

SEVERN
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STL

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ANALYTICAL REPORT

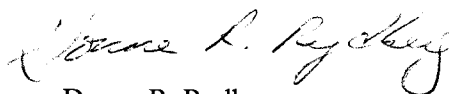
White Rock Canyon Springs HE Profile

Lot #: D4F090309

June Dreith

Techlaw
560 Golden Ridge Road
Suite 130
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STL DENVER



Donna R. Rydberg
Project Manager

July 12, 2004

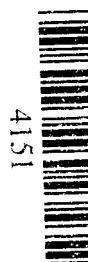
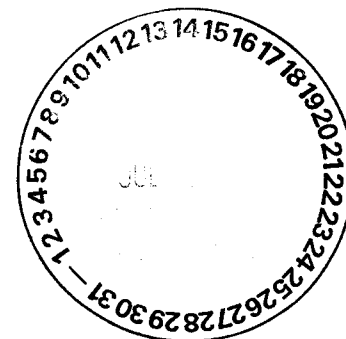


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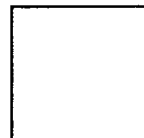
Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

The Cover Letter and the Report Cover page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.



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Case Narrative

Enclosed is the report for seven samples received at STL's Denver laboratory on June 8, 2004. The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4F090309

Sample Receiving

- The samples presented in this report were received at the laboratory at temperatures of 2.6°C, 3.2°C and 3.0°C. The sample bottle for the RDX Degradates arrived at the laboratory broken for sample Spring 9-6-7-04-NF. Only explosives will be analyzed for this sample. All other sample containers were received in acceptable condition.

Holding Times

- Holding times were met.

Method 8321A – Explosives and NitrosoDegradates

- The Nitroso Degradates analyses for the samples in this report were conducted with standard materials that expired. The client was notified before proceeding with the tests. These materials are not available from our standard vendors. The material requires synthesis and there was not time available to obtain new standards before holding times expired. The client directed the laboratory to run the samples with the expired standards.
- A Matrix Spike (MS) and Matrix Spike Duplicate (MSD) were not requested and the laboratory was unable to perform them due to limited sample volume. The associated LCS and Method Blank samples were within control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4F090309

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D4F090309

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
LCMS by 8321A	SW846 8321A	SW846 3535
Nitroso Degradates of RDX	SW846 8321A	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D4F090309

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8321A	Steve Cowling	008738

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D4F090309

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GHXPX	001	AN-0.5 SPRING-6-7-04-NF	06/07/04	11:25
GHXQD	002	ANCHO DUP-6-7-04	06/07/04	12:30
GHXQE	003	SPRING 6-6-7-04-NF	06/07/04	13:05
GHXQH	004	SPRING 6AAA-6-04-NF	06/07/04	14:20
GHXQL	005	SPRING 9-6-7-04-NF	06/07/04	16:00
GHXQP	006	SPRING 9A-6-7-04-NF	06/07/04	16:25
GHXQR	007	SPRING 9B-6-7-04-NF	06/07/04	17:15

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Techlaw Inc

Client Sample ID: AN-0.5 SPRING-6-7-04-NF

HPLC

Lot-Sample #... D4F090309-001 **Work Order #...** GHXPX1AA **Matrix.....** WATER
Date Sampled... 06/07/04 11:25 **Date Received...** 06/09/04
Prep Date..... 06/10/04 **Analysis Date...** 07/07/04
Prep Batch #... 4162156 **Analysis Time...** 10:06
Dilution Factor: 1
Method..... SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	103	(30 - 150)

Techlaw Inc

Client Sample ID: AN-0.5 SPRING-6-7-04-NF

HPLC

Lot-Sample #... D4F090309-001 **Work Order #...** GHXPX1AC **Matrix.....:** WATER
Date Sampled... 06/07/04 11:25 **Date Received...** 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...** 06/15/04
Prep Batch #... 4162105 **Analysis Time...** 18:26
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
Nitrobenzene-d5		93	(44 - 124)	

Techlaw Inc

Client Sample ID: ANCHO DUP-6-7-04

HPLC

Lot-Sample #...: D4F090309-002 Work Order #...: GHXQD1AA Matrix.....: WATER
Date Sampled...: 06/07/04 12:30 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #...: 4162156 Analysis Time...: 10:23
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MXN	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	98	(30 - 150)

Techlaw Inc

Client Sample ID: ANCHO DUP-6-7-04

HPLC

Lot-Sample #...: D4F090309-002 **Work Order #...**: GHXQD1AC **Matrix.....**: WATER
Date Sampled...: 06/07/04 12:30 **Date Received...**: 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...**: 06/15/04
Prep Batch #...: 4162105 **Analysis Time...**: 18:57
Dilution Factor: 1
Method.....: SW846 8321A

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS	
Nitrobenzene-d5		100	(44 - 124)	

Techlaw Inc

Client Sample ID: SPRING 6-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-003 Work Order #....: GHXQE1AA Matrix.....: WATER
Date Sampled...: 06/07/04 13:05 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #....: 4162156 Analysis Time...: 10:40
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>	<u>MDL</u>
MXN	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
RDX-C13	98	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 6-6-7-04-NF

HPLC

Lot-Sample #...: D4F090309-003 **Work Order #...**: GHXQE1AC **Matrix.....**: WATER
Date Sampled...: 06/07/04 13:05 **Date Received...**: 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...**: 06/15/04
Prep Batch #...: 4162105 **Analysis Time...**: 19:29
Dilution Factor: 1
Method.....: SW846 8321A

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	90	{44 - 124}		

Techlaw Inc

Client Sample ID: SPRING 6AAA-6-04-NF

HPLC

Lot-Sample #...: D4F090309-004 Work Order #...: GHXQH1AA Matrix.....: WATER
Date Sampled...: 06/07/04 14:20 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #...: 4162156 Analysis Time...: 10:56
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	97	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 6AAA-6-04-NF

HPLC

Lot-Sample #...: D4F090309-004 **Work Order #...**: GHXQH1AC **Matrix.....**: WATER
Date Sampled...: 06/07/04 14:20 **Date Received...**: 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...**: 06/15/04
Prep Batch #...: 4162105 **Analysis Time...**: 20:01
Dilution Factor: 1

Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
		<u>PERCENT</u>	<u>RECOVERY</u>	
<u>SURROGATE</u>		<u>RECOVERY</u>	<u>LIMITS</u>	
Nitrobenzene-d5	89		(44 - 124)	

Techlaw Inc

Client Sample ID: SPRING 9-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-005 **Work Order #....:** GHXQL1AC **Matrix.....:** WATER
Date Sampled....: 06/07/04 16:00 **Date Received...:** 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...:** 06/15/04
Prep Batch #....: 4162105 **Analysis Time...:** 20:33
Dilution Factor: 1

Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6- dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6- dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	92	(44 - 124)

Techlaw Inc

Client Sample ID: SPRING 9A-6-7-04-NF

HPLC

Lot-Sample #...: D4F090309-006 Work Order #...: GHXQP1AA Matrix.....: WATER
Date Sampled...: 06/07/04 16:25 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #...: 4162156 Analysis Time...: 11:13
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	101	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 9A-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-006 **Work Order #....:** GHXQP1AC **Matrix.....:** WATER
Date Sampled....: 06/07/04 16:25 **Date Received...:** 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...:** 06/15/04
Prep Batch #....: 4162105 **Analysis Time...:** 21:04
Dilution Factor: 1

Method.....: SW846 8321A

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	93	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 9B-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-007 Work Order #....: GHXQR1AA Matrix.....: WATER
Date Sampled....: 06/07/04 17:15 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #....: 4162156 Analysis Time...: 11:30
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	101	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 9B-6-7-04-NF

HPLC

Lot-Sample #... D4F090309-007 **Work Order #...** GHXQR1AC **Matrix.....:** WATER
Date Sampled... 06/07/04 17:15 **Date Received...** 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...** 06/15/04
Prep Batch #... 4162105 **Analysis Time...** 21:36
Dilution Factor: 1
Method.....: SW846 8321A

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	90	(44 - 124)		

QC DATA ASSOCIATION SUMMARY

D4F090309

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
002	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
003	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
004	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
005	WATER	SW846 8321A		4162105	
006	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
007	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F090309
MB Lot-Sample #: R4F100000-105

Work Order #...: GH0451AA

Matrix.....: WATER

Analysis Date...: 06/15/04
Dilution Factor: 1

Prep Date.....: 06/10/04
Prep Batch #...: 4162105

Analysis Time...: 16:50

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
1,3-Dinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
2,6-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
HMX	ND	0.12	ug/L	SW846 8321A
Nitrobenzene	ND	0.12	ug/L	SW846 8321A
Nitroglycerin	ND	0.12	ug/L	SW846 8321A
2-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
3-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
PETN	ND	0.12	ug/L	SW846 8321A
RDX	ND	0.12	ug/L	SW846 8321A
Tetryl	ND	0.12	ug/L	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.12	ug/L	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	93	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F090309 Work Order #....: GH0451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #....: 4162105 Analysis Time...: 17:22
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	96	(69 - 131)			SW846 8321A
	99	(69 - 131)	3.4	(0-40)	SW846 8321A
4-Amino-2,6-dinitrotoluene	91	(69 - 128)			SW846 8321A
	98	(69 - 128)	7.6	(0-40)	SW846 8321A
1,3-Dinitrobenzene	94	(70 - 127)			SW846 8321A
	99	(70 - 127)	5.2	(0-40)	SW846 8321A
2,4-Dinitrotoluene	104	(65 - 129)			SW846 8321A
	103	(65 - 129)	0.93	(0-40)	SW846 8321A
2,6-Dinitrotoluene	95	(66 - 128)			SW846 8321A
	98	(66 - 128)	3.9	(0-40)	SW846 8321A
HMX	107	(53 - 169)			SW846 8321A
	104	(53 - 169)	2.3	(0-40)	SW846 8321A
Nitrobenzene	97	(27 - 120)			SW846 8321A
	98	(27 - 120)	1.4	(0-40)	SW846 8321A
Nitroglycerin	84	(43 - 154)			SW846 8321A
	106	(43 - 154)	23	(0-40)	SW846 8321A
2-Nitrotoluene	91	(17 - 105)			SW846 8321A
	88	(17 - 105)	3.1	(0-40)	SW846 8321A
3-Nitrotoluene	90	(23 - 105)			SW846 8321A
	87	(23 - 105)	4.2	(0-40)	SW846 8321A
4-Nitrotoluene	91	(26 - 114)			SW846 8321A
	88	(26 - 114)	3.3	(0-40)	SW846 8321A
PETN	80	(34 - 173)			SW846 8321A
	86	(34 - 173)	6.8	(0-40)	SW846 8321A
RDX	102	(62 - 127)			SW846 8321A
	106	(62 - 127)	4.0	(0-40)	SW846 8321A
Tetryl	96	(40 - 152)			SW846 8321A
	98	(40 - 152)	2.0	(0-40)	SW846 8321A
1,3,5-Trinitrobenzene	94	(64 - 137)			SW846 8321A
	99	(64 - 137)	5.0	(0-40)	SW846 8321A
2,4,6-Trinitrotoluene	88	(43 - 133)			SW846 8321A
	90	(43 - 133)	2.0	(0-40)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(39 - 114)
	92	(39 - 114)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F090309 **Work Order #...:** GH0451AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F090309 Work Order #....: GH0451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #....: 4162105 Analysis Time...: 17:22
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	0.500	0.479	ug/L	96		SW846 8321A
	0.500	0.496	ug/L	99	3.4	SW846 8321A
4-Amino-2,6-dinitrotoluene	0.500	0.454	ug/L	91		SW846 8321A
	0.500	0.489	ug/L	98	7.6	SW846 8321A
1,3-Dinitrobenzene	0.500	0.470	ug/L	94		SW846 8321A
	0.500	0.496	ug/L	99	5.2	SW846 8321A
2,4-Dinitrotoluene	0.500	0.522	ug/L	104		SW846 8321A
	0.500	0.517	ug/L	103	0.93	SW846 8321A
2,6-Dinitrotoluene	0.500	0.473	ug/L	95		SW846 8321A
	0.500	0.492	ug/L	98	3.9	SW846 8321A
HMX	0.500	0.534	ug/L	107		SW846 8321A
	0.500	0.521	ug/L	104	2.3	SW846 8321A
Nitrobenzene	0.500	0.485	ug/L	97		SW846 8321A
	0.500	0.492	ug/L	98	1.4	SW846 8321A
Nitroglycerin	0.500	0.419	ug/L	84		SW846 8321A
	0.500	0.528	ug/L	106	23	SW846 8321A
2-Nitrotoluene	0.500	0.455	ug/L	91		SW846 8321A
	0.500	0.441	ug/L	88	3.1	SW846 8321A
3-Nitrotoluene	0.500	0.452	ug/L	90		SW846 8321A
	0.500	0.433	ug/L	87	4.2	SW846 8321A
4-Nitrotoluene	0.500	0.456	ug/L	91		SW846 8321A
	0.500	0.441	ug/L	88	3.3	SW846 8321A
PETN	0.500	0.400	ug/L	80		SW846 8321A
	0.500	0.428	ug/L	86	6.8	SW846 8321A
RDX	0.500	0.510	ug/L	102		SW846 8321A
	0.500	0.531	ug/L	106	4.0	SW846 8321A
Tetryl	0.500	0.482	ug/L	96		SW846 8321A
	0.500	0.492	ug/L	98	2.0	SW846 8321A
1,3,5-Trinitrobenzene	0.500	0.471	ug/L	94		SW846 8321A
	0.500	0.495	ug/L	99	5.0	SW846 8321A
2,4,6-Trinitrotoluene	0.500	0.439	ug/L	88		SW846 8321A
	0.500	0.448	ug/L	90	2.0	SW846 8321A
SURROGATE			PERCENT RECOVERY	RECOVERY LIMITS		
Nitrobenzene-d5			90	(39 - 114)		
			92	(39 - 114)		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F090309 **Work Order #....:** GH0451AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #....: D4F090309 Work Order #....: GH1CT1AA Matrix.....: WATER
 MB Lot-Sample #: R4F100000-156
 Prep Date.....: 06/10/04 Analysis Time...: 09:17
 Analysis Date...: 07/07/04 Prep Batch #....: 4162156
 Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
MNX	ND	0.10	ug/L	SW846 8321A
DNX	ND	0.10	ug/L	SW846 8321A
TNX	ND	0.10	ug/L	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F090309 Work Order #...: GH1CT1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-156 GH1CT1AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4162156 Analysis Time...: 09:33
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
MNX	118	(35 - 135)			SW846 8321A
	121	(35 - 135)	2.4	(0-30)	SW846 8321A
DNX	52	(35 - 135)			SW846 8321A
	53	(35 - 135)	1.9	(0-30)	SW846 8321A
TNX	49	(35 - 135)			SW846 8321A
	52	(35 - 135)	6.5	(0-30)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	98	(30 - 150)
	99	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F090309 Work Order #....: GH1CT1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-156 GH1CT1AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4162156 Analysis Time...: 09:33
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
MNX	0.500	0.590	ug/L	118		SW846 8321A
	0.500	0.605	ug/L	121	2.4	SW846 8321A
DNX	0.500	0.260	ug/L	52		SW846 8321A
	0.500	0.264	ug/L	53	1.9	SW846 8321A
TNX	0.500	0.244	ug/L	49		SW846 8321A
	0.500	0.261	ug/L	52	6.5	SW846 8321A
SURROGATE				PERCENT RECOVERY	RECOVERY LIMITS	
RDX-C13				98	(30 - 150)	
				99	(30 - 150)	

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY:		1.		RELINQUISHED BY:		2.	
PROJECT: HE 06110.220		Total Number of Containers				Signature:		Time:		Signature:			
PROJ. NAME: White Rock Canyon Springs HE Profile		Chain of Custody Seals				Date: 11:30							
QC LEVEL: STD IV		Received intact?				Printed Name:		Date:		Printed Name:			
QC REQUIRED: M6 MSD BLANK		Received Good Cond./Cold				Klin Granzow		6-8-04					
TAT: STANDARD		LAB NUMBER:								Company:			
						RECEIVED BY:		1.		RECEIVED BY:		2.	
DUE DATE:		Donna, please bill to: June Dreith,				Signature:		Time:		Signature:			
RUSH SURCHARGE:		560 Golden Ridge Road, Suite 130,											
CLIENT DISCOUNT:		Golden, Colorado, 80401 Phone 303-				Printed Name:		Date:		Printed Name:			
SPECIAL CERTIFICATION		763-7188, Fax 303-763-4869. Thanks!											
REQUIRED: YES NO						Company:		Paragon Laboratories, Inc.		Company:			



STL

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Arvada, CO 80002

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ANALYTICAL REPORT

White Rock Canyon Springs HE Profile

Lot #: D4F050141

June Dreith

**Techlaw
560 Golden Ridge Road
Suite 130
Golden, CO 80401**

STL DENVER

A handwritten signature in black ink, appearing to read "Donna R. Rydberg".

**Donna R. Rydberg
Project Manager**

July 12, 2004

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Report Contents

Total Number of Pages

Standard Deliverables

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- **Case Narrative**
- **Executive Summary – Detection Highlights**
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- **Analytical Results**
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- **Chain-of-Custody**

Case Narrative

Enclosed is the report for four samples and a Matrix Spike and Matrix Spike Duplicate received at STL's Denver laboratory on June 5, 2004. The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4F050141

Sample Receiving

- The samples presented in this report were received at the laboratory at temperatures of 5.8°C, 4.3°C and 2.8°C. All sample containers were received in acceptable condition.

Holding Times

- Holding times were met.

Method 8321A – Explosives and NitrosoDegradates

- The surrogate recovery for Nitrobenzene in sample D4F050141-001 was outside established control limits. Matrix interference is obvious. The sample had a large amount of sediment in it, which clogged the SPE cartridge. Three cartridges were required for the extraction. The eluant was combined and then concentrated down to the 2.5mL final volume required per the Method.
- The relative percent difference between the MS and MSD for nitroglycerin exceeded control limits. The individual spike recoveries were within control limits. Data was accepted.
- The Nitroso Degradates analyses for the samples in this report were conducted with standard materials that expired. The client was notified before proceeding with the tests. These materials are not available from our standard vendors. The material requires synthesis and there was not time available to obtain new standards before holding times expired. The client directed the laboratory to run the samples with the expired standards.

EXECUTIVE SUMMARY - Detection Highlights

D4F050141

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D4F050141

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
LCMS by 8321A	SW846 8321A	SW846 3535
Nitroso Degradates of RDX	SW846 8321A	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D4F050141

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8321A	Mark Dymerski	004626
SW846 8321A	Steve Cowling	008738

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D4F050141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GHPG9	001	SPRING 3-6-4-04-NF	06/04/04	09:27
GHPHF	002	SPRING 3A-6-4-04-NF	06/04/04	09:30
GHPHG	003	SPRING 4-6-4-04-NF	06/04/04	11:15
GHPHH	004	SPRING 4C-6-4-04-NF	06/04/04	11:15

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Techlaw Inc

Client Sample ID: SPRING 3-6-4-04-NF

HPLC

Lot-Sample #...: D4F050141-001 Work Order #...: GHPG91AA Matrix.....: WATER
Date Sampled...: 06/04/04 09:27 Date Received...: 06/05/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #...: 4161109 Analysis Time...: 07:04
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
RDX-C13	98	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 3-6-4-04-NF

HPLC

Lot-Sample #...: D4F050141-001 **Work Order #...**: GHPG91AC **Matrix.....**: WATER
Date Sampled...: 06/04/04 09:27 **Date Received...**: 06/05/04
Prep Date.....: 06/07/04 **Analysis Date...**: 06/09/04
Prep Batch #...: 4159119 **Analysis Time...**: 20:58
Dilution Factor: 1

Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	1.1 *	(44 - 124)

NOTE(S) :

* Surrogate recovery is outside stated control limits.

Techlaw Inc

Client Sample ID: SPRING 3A-6-4-04-NF

HPLC

Lot-Sample #... D4F050141-002 **Work Order #...** GHPHF1AA **Matrix.....:** WATER
Date Sampled... 06/04/04 09:30 **Date Received...** 06/05/04
Prep Date.....: 06/09/04 **Analysis Date...** 07/07/04
Prep Batch #... 4161109 **Analysis Time...** 07:20
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	90	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 3A-6-4-04-NF

HPLC

Lot-Sample #...: D4F050141-002 **Work Order #...**: GHPHF1AC **Matrix.....**: WATER
Date Sampled...: 06/04/04 09:30 **Date Received...**: 06/05/04
Prep Date.....: 06/07/04 **Analysis Date...**: 06/09/04
Prep Batch #...: 4159119 **Analysis Time...**: 21:30
Dilution Factor: 1

Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	97	(44 - 124)

Techlaw Inc

Client Sample ID: SPRING 4-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-003 Work Order #....: GHPHG1AA Matrix.....: WATER
Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #....: 4161109 Analysis Time...: 07:37
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	95	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 4-6-4-04-NF

HPLC

Lot-Sample #...: D4F050141-003 **Work Order #...**: GHPHG1AC **Matrix.....**: WATER
Date Sampled...: 06/04/04 11:15 **Date Received...**: 06/05/04
Prep Date.....: 06/07/04 **Analysis Date...**: 06/09/04
Prep Batch #...: 4159119 **Analysis Time...**: 22:02
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	89	(44 - 124)

Techlaw Inc

Client Sample ID: SPRING 4C-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-004 Work Order #....: GHPPH1AA Matrix.....: WATER
Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #....: 4161109 Analysis Time...: 08:10
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	100	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 4C-6-4-04-NF

HPLC

Lot-Sample #...: D4F050141-004 **Work Order #...**: GHPHH1AC **Matrix.....**: WATER
Date Sampled...: 06/04/04 11:15 **Date Received...**: 06/05/04
Prep Date.....: 06/07/04 **Analysis Date...**: 06/09/04
Prep Batch #...: 4159119 **Analysis Time...**: 23:05
Dilution Factor: 1
Method.....: SW846 8321A

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
SURROGATE		PERCENT RECOVERY	RECOVERY LIMITS	
Nitrobenzene-d5		90	(44 - 124)	

QC DATA ASSOCIATION SUMMARY

D4F050141

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
002	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
003	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
004	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F050141
MB Lot-Sample #: R4F070000-119

Work Order #...: GHP3N1AA

Matrix.....: WATER

Analysis Date...: 06/09/04
Dilution Factor: 1

Prep Date.....: 06/07/04

Analysis Time...: 17:48

Prep Batch #...: 4159119

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
1,3-Dinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
2,6-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
HMX	ND	0.12	ug/L	SW846 8321A
Nitrobenzene	ND	0.12	ug/L	SW846 8321A
Nitroglycerin	ND	0.12	ug/L	SW846 8321A
2-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
3-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
PETN	ND	0.12	ug/L	SW846 8321A
RDX	ND	0.12	ug/L	SW846 8321A
Tetryl	ND	0.12	ug/L	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.12	ug/L	SW846 8321A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	86	(44 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F050141
MB Lot-Sample #: R4F090000-109

Work Order #...: GHV341AA

Matrix.....: WATER

Analysis Date...: 07/07/04

Prep Date.....: 06/09/04

Analysis Time...: 05:40

Dilution Factor: 1

Prep Batch #...: 4161109

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
MNX	ND	0.10	ug/L	SW846 8321A
DNX	ND	0.10	ug/L	SW846 8321A
TNX	ND	0.10	ug/L	SW846 8321A
SURROGATE		PERCENT	RECOVERY	
RDX-C13		RECOVERY	LIMITS	
		99	(30 - 150)	

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2-Amino-4,6-dinitrotoluene	98	(69 - 131)	SW846 8321A
4-Amino-2,6-dinitrotoluene	86	(69 - 128)	SW846 8321A
1,3-Dinitrobenzene	95	(70 - 127)	SW846 8321A
2,4-Dinitrotoluene	95	(65 - 129)	SW846 8321A
2,6-Dinitrotoluene	92	(66 - 128)	SW846 8321A
HMX	110	(53 - 169)	SW846 8321A
Nitrobenzene	90	(27 - 120)	SW846 8321A
Nitroglycerin	90	(43 - 154)	SW846 8321A
2-Nitrotoluene	87	(17 - 105)	SW846 8321A
3-Nitrotoluene	91	(23 - 105)	SW846 8321A
4-Nitrotoluene	95	(26 - 114)	SW846 8321A
PEIN	98	(34 - 173)	SW846 8321A
RDX	99	(62 - 127)	SW846 8321A
Tetryl	95	(40 - 152)	SW846 8321A
1,3,5-Trinitrobenzene	87	(64 - 137)	SW846 8321A
2,4,6-Trinitrotoluene	90	(43 - 133)	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Amino-4,6-dinitrotoluene	0.500	0.491	ug/L	98	SW846 8321A
4-Amino-2,6-dinitrotoluene	0.500	0.430	ug/L	86	SW846 8321A
1,3-Dinitrobenzene	0.500	0.474	ug/L	95	SW846 8321A
2,4-Dinitrotoluene	0.500	0.473	ug/L	95	SW846 8321A
2,6-Dinitrotoluene	0.500	0.458	ug/L	92	SW846 8321A
HMX	0.500	0.549	ug/L	110	SW846 8321A
Nitrobenzene	0.500	0.448	ug/L	90	SW846 8321A
Nitroglycerin	0.500	0.451	ug/L	90	SW846 8321A
2-Nitrotoluene	0.500	0.433	ug/L	87	SW846 8321A
3-Nitrotoluene	0.500	0.455	ug/L	91	SW846 8321A
4-Nitrotoluene	0.500	0.474	ug/L	95	SW846 8321A
PETN	0.500	0.489	ug/L	98	SW846 8321A
RDX	0.500	0.494	ug/L	99	SW846 8321A
Tetryl	0.500	0.477	ug/L	95	SW846 8321A
1,3,5-Trinitrobenzene	0.500	0.434	ug/L	87	SW846 8321A
2,4,6-Trinitrotoluene	0.500	0.450	ug/L	90	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F050141 Work Order #....: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
MX	110	(35 - 135)	SW846 8321A
DNX	51	(35 - 135)	SW846 8321A
TNX	53	(35 - 135)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F050141 Work Order #....: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
MX	0.500	0.548	ug/L	110	SW846 8321A
DNX	0.500	0.254	ug/L	51	SW846 8321A
TNX	0.500	0.267	ug/L	53	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHPPH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPPH1AG-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6- dinitrotoluene	100	(68 - 126)			SW846 8321A
	96	(68 - 126)	1.5	(0-40)	SW846 8321A
4-Amino-2,6- dinitrotoluene	93	(63 - 125)			SW846 8321A
	91	(63 - 125)	4.7	(0-40)	SW846 8321A
1,3-Dinitrobenzene	97	(68 - 125)			SW846 8321A
	102	(68 - 125)	11	(0-40)	SW846 8321A
2,4-Dinitrotoluene	95	(64 - 124)			SW846 8321A
	95	(64 - 124)	6.7	(0-40)	SW846 8321A
2,6-Dinitrotoluene	96	(67 - 124)			SW846 8321A
	90	(67 - 124)	0.11	(0-40)	SW846 8321A
HMX	111	(52 - 158)			SW846 8321A
	98	(52 - 158)	5.4	(0-40)	SW846 8321A
Nitrobenzene	91	(40 - 110)			SW846 8321A
	92	(40 - 110)	7.9	(0-40)	SW846 8321A
Nitroglycerin	56	(56 - 148)			SW846 8321A
	86 p	(56 - 148)	48	(0-40)	SW846 8321A
2-Nitrotoluene	86	(25 - 99)			SW846 8321A
	82	(25 - 99)	2.6	(0-40)	SW846 8321A
3-Nitrotoluene	86	(27 - 104)			SW846 8321A
	84	(27 - 104)	3.4	(0-40)	SW846 8321A
4-Nitrotoluene	89	(33 - 108)			SW846 8321A
	88	(33 - 108)	5.0	(0-40)	SW846 8321A
PETN	98	(35 - 177)			SW846 8321A
	97	(35 - 177)	5.6	(0-40)	SW846 8321A
RDX	100	(61 - 123)			SW846 8321A
	99	(61 - 123)	5.0	(0-40)	SW846 8321A
Tetryl	68	(53 - 148)			SW846 8321A
	76	(53 - 148)	18	(0-40)	SW846 8321A
1,3,5-Trinitrobenzene	87	(70 - 126)			SW846 8321A
	87	(70 - 126)	7.4	(0-40)	SW846 8321A
2,4,6-Trinitrotoluene	91	(59 - 129)			SW846 8321A
	89	(59 - 129)	5.1	(0-40)	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHPHH1AF-MS Matrix.....: WATER
MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F050141 Work Order #....: GHPHH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD
 Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.472	0.473	ug/L	100		SW846 8321A
	ND	0.503	0.480	ug/L	96	1.5	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.472	0.436	ug/L	93		SW846 8321A
	ND	0.503	0.457	ug/L	91	4.7	SW846 8321A
1,3-Dinitrobenzene	ND	0.472	0.457	ug/L	97		SW846 8321A
	ND	0.503	0.511	ug/L	102	11	SW846 8321A
2,4-Dinitrotoluene	ND	0.472	0.448	ug/L	95		SW846 8321A
	ND	0.503	0.479	ug/L	95	6.7	SW846 8321A
2,6-Dinitrotoluene	ND	0.472	0.453	ug/L	96		SW846 8321A
	ND	0.503	0.453	ug/L	90	0.11	SW846 8321A
HMX	ND	0.472	0.523	ug/L	111		SW846 8321A
	ND	0.503	0.495	ug/L	98	5.4	SW846 8321A
Nitrobenzene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.464	ug/L	92	7.9	SW846 8321A
Nitroglycerin	ND	0.472	0.264	ug/L	56		SW846 8321A
	ND	0.503	0.431	ug/L	86 p	48	SW846 8321A
2-Nitrotoluene	ND	0.472	0.404	ug/L	86		SW846 8321A
	ND	0.503	0.415	ug/L	82	2.6	SW846 8321A
3-Nitrotoluene	ND	0.472	0.406	ug/L	86		SW846 8321A
	ND	0.503	0.420	ug/L	84	3.4	SW846 8321A
4-Nitrotoluene	ND	0.472	0.420	ug/L	89		SW846 8321A
	ND	0.503	0.442	ug/L	88	5.0	SW846 8321A
PETN	ND	0.472	0.462	ug/L	98		SW846 8321A
	ND	0.503	0.489	ug/L	97	5.6	SW846 8321A
RDX	ND	0.472	0.474	ug/L	100		SW846 8321A
	ND	0.503	0.498	ug/L	99	5.0	SW846 8321A
Tetryl	ND	0.472	0.320	ug/L	68		SW846 8321A
	ND	0.503	0.383	ug/L	76	18	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.472	0.408	ug/L	87		SW846 8321A
	ND	0.503	0.439	ug/L	87	7.4	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.450	ug/L	89	5.1	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F050141

Work Order #...: GHPHH1AF-MS

Matrix.....: WATER

MS Lot-Sample #: D4F050141-004

GHPHH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F050141 Work Order #....: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
MX	116	(35 - 135)			SW846 8321A
	113	(35 - 135)	2.2	(0-30)	SW846 8321A
DNX	58	(35 - 135)			SW846 8321A
	56	(35 - 135)	2.2	(0-30)	SW846 8321A
TNX	67	(35 - 135)			SW846 8321A
	67	(35 - 135)	0.60	(0-30)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
MNX	ND	0.470	0.544	ug/L	116		SW846 8321A
	ND	0.470	0.532	ug/L	113	2.2	SW846 8321A
DNX	ND	0.470	0.270	ug/L	58		SW846 8321A
	ND	0.470	0.264	ug/L	56	2.2	SW846 8321A
TNX	ND	0.470	0.316	ug/L	67		SW846 8321A
	ND	0.470	0.314	ug/L	67	0.60	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

4. 3 1136504

Page: 1 of 1

[illegible]

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY:		RELINQUISHED BY:	
PROJECT: HE 06110.220		Total Number of Containers				Signature: <i>Kim Granzow</i> Time: 13:50		Signature: _____ 2.	
PRQJ. NAME: White Rock Canyon Springs HE Profile		Chain of Custody Seals				Printed Name: _____ Date: _____		Printed Name: _____	
QC LEVEL: STD IV		Received Intact?				Kim Granzow 6-4-04		Company: _____	
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold				RECEIVED BY: _____ 1.		RECEIVED BY: _____ 2.	
TAT: STANDARD		LAB NUMBER: _____				Signature: <i>Pat Grier</i> Time: 0700		Signature: _____	
DUE DATE: _____		Donna, please bill to: June Dreith, 560 Golden Ridge Road, Suite 130, Golden, Colorado, 80401 Phone 303-763-7188, Fax 303-763-4869. Thanks!				Printed Name: _____ Date: 6/5/01		Printed Name: _____	
RUSH SURCHARGE: _____									
CLIENT DISCOUNT: _____									
SPECIAL CERTIFICATION _____									
REQUIRED: YES NO						Company: Paragon Laboratories, Inc.		Company: _____	



STL

STL Denver
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Arvada, CO 80002

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ANALYTICAL REPORT

White Rock Canyon Springs HE Profile

Lot #: D4F040396

June Dreith

**Techlaw
560 Golden Ridge Road
Suite 130
Golden, CO 80401**

STL DENVER

A handwritten signature in black ink, appearing to read "Donna R. Rydberg".

**Donna R. Rydberg
Project Manager**

July 12, 2004

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Standard Deliverables

Report Contents

Total Number of Pages

Standard Deliverables

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Case Narrative

Enclosed is the report for four samples received at STL's Denver laboratory on June 4, 2004. The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4F040396

Sample Receiving

- The samples presented in this report were received at the laboratory at temperatures of 4.7°C and 4.1°C. The sample bottle for the RDX Degradates arrived at the laboratory broken for sample Spring 5-6-2-04-NF. Only explosives will be analyzed for this sample. All other sample containers were received in acceptable condition.

Holding Times

- Holding times were met.

Method 8321A – Explosives and NitrosoDegradates

- The Nitroso Degradates analyses for the samples in this report were conducted with standard materials that expired. The client was notified before proceeding with the tests. These materials are not available from our standard vendors. The material requires synthesis and there was not time available to obtain new standards before holding times expired. The client directed the laboratory to run the samples with the expired standards.
- The surrogate recovery for Nitrobenzene-d5 was outside established control limits for sample D4F040396-004 for Method 8321 Explosives. The sample had a large amount of sediment in it, which clogged the SPE cartridge. Three cartridges were required for the extraction. The eluant was combined and then concentrated down to the 2.5mL final volume required per the Method.
- The relative percent difference between the MS and MSD associated with prep batch 4159119 for nitroglycerin exceeded control limits. The individual spike recoveries were within control limits. Data was accepted.

EXECUTIVE SUMMARY - Detection Highlights

D4F040396

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL</u> <u>METHOD</u>
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D4F040396

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
LCMS by 8321A	SW846 8321A	SW846 3535
Nitroso Degradates of RDX	SW846 8321A	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D4F040396

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8321A	Mark Dymerski	004626
SW846 8321A	Steve Cowling	008738

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D4F040396

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GHNJQ	001	SPRING 5A-6-2-04-NF	06/02/04	12:05
GHNJT	002	SPRING 5-6-2-04-NF	06/02/04	13:05
GHNJV	003	SPRING 4A-6-2-04-NF	06/02/04	15:10
GHNJW	004	SPRING 4B-6-2-04-NF	06/02/04	15:15

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Techlaw Inc

Client Sample ID: SPRING 5A-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-001 Work Order #....: GHNJQ1AA Matrix.....: WATER
Date Sampled....: 06/02/04 12:05 Date Received...: 06/04/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #....: 4161109 Analysis Time...: 06:14
Dilution Factor: 1

Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	92	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 5A-6-2-04-NF

HPLC

Lot-Sample #...: D4F040396-001 **Work Order #...**: GHNJQ1AC **Matrix.....**: WATER
Date Sampled...: 06/02/04 12:05 **Date Received...**: 06/04/04
Prep Date.....: 06/07/04 **Analysis Date...**: 06/09/04
Prep Batch #...: 4159119 **Analysis Time...**: 18:51
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
<u>SURROGATE</u>		<u>PERCENT</u>	<u>RECOVERY</u>	
		<u>RECOVERY</u>	<u>LIMITS</u>	
Nitrobenzene-d5		79	(44 - 124)	

Techlaw Inc

Client Sample ID: SPRING 5-6-2-04-NF

HPLC

Lot-Sample #...: D4F040396-002 **Work Order #...**: GHNJT1AC **Matrix.....**: WATER
Date Sampled...: 06/02/04 13:05 **Date Received...**: 06/04/04
Prep Date.....: 06/07/04 **Analysis Date...**: 06/09/04
Prep Batch #...: 4159119 **Analysis Time...**: 19:23
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	91	(44 - 124)

Techlaw Inc

Client Sample ID: SPRING 4A-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-003 Work Order #....: GHNJV1AA Matrix.....: WATER
Date Sampled....: 06/02/04 15:10 Date Received...: 06/04/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #....: 4161109 Analysis Time...: 06:30
Dilution Factor: 1

Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	95	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 4A-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-003 **Work Order #....:** GHNJVLAC **Matrix.....:** WATER
Date Sampled....: 06/02/04 15:10 **Date Received...:** 06/04/04
Prep Date.....: 06/07/04 **Analysis Date...:** 06/09/04
Prep Batch #....: 4159119 **Analysis Time...:** 19:55
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	91	(44 - 124)

Techlaw Inc

Client Sample ID: SPRING 4B-6-2-04-NF

HPLC

Lot-Sample #...: D4F040396-004 Work Order #...: GHNJWLAA Matrix.....: WATER
Date Sampled...: 06/02/04 15:15 Date Received...: 06/04/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #...: 4161109 Analysis Time...: 06:47
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	95	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 4B-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-004 Work Order #....: GHNJW1AC Matrix.....: WATER
 Date Sampled....: 06/02/04 15:15 Date Received...: 06/04/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 20:27
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	0.0 *	(44 - 124)

NOTE(S):

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

D4F040396

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
002	WATER	SW846 8321A		4159119	4159076
003	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
004	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F040396
MB Lot-Sample #: R4F070000-119

Work Order #...: GHP3N1AA

Matrix.....: WATER

Analysis Date...: 06/09/04

Prep Date.....: 06/07/04

Analysis Time...: 17:48

Dilution Factor: 1

Prep Batch #...: 4159119

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
1,3-Dinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
2,6-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
HMX	ND	0.12	ug/L	SW846 8321A
Nitrobenzene	ND	0.12	ug/L	SW846 8321A
Nitroglycerin	ND	0.12	ug/L	SW846 8321A
2-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
3-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
PETN	ND	0.12	ug/L	SW846 8321A
RDX	ND	0.12	ug/L	SW846 8321A
Tetryl	ND	0.12	ug/L	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.12	ug/L	SW846 8321A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	86	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F040396 Work Order #....: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	98	(69 - 131)	SW846 8321A
4-Amino-2,6-dinitrotoluene	86	(69 - 128)	SW846 8321A
1,3-Dinitrobenzene	95	(70 - 127)	SW846 8321A
2,4-Dinitrotoluene	95	(65 - 129)	SW846 8321A
2,6-Dinitrotoluene	92	(66 - 128)	SW846 8321A
HMX	110	(53 - 169)	SW846 8321A
Nitrobenzene	90	(27 - 120)	SW846 8321A
Nitroglycerin	90	(43 - 154)	SW846 8321A
2-Nitrotoluene	87	(17 - 105)	SW846 8321A
3-Nitrotoluene	91	(23 - 105)	SW846 8321A
4-Nitrotoluene	95	(26 - 114)	SW846 8321A
PETN	98	(34 - 173)	SW846 8321A
RDX	99	(62 - 127)	SW846 8321A
Tetryl	95	(40 - 152)	SW846 8321A
1,3,5-Trinitrobenzene	87	(64 - 137)	SW846 8321A
2,4,6-Trinitrotoluene	90	(43 - 133)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F040396 Work Order #....: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Amino-4,6-dinitrotoluene	0.500	0.491	ug/L	98	SW846 8321A
4-Amino-2,6-dinitrotoluene	0.500	0.430	ug/L	86	SW846 8321A
1,3-Dinitrobenzene	0.500	0.474	ug/L	95	SW846 8321A
2,4-Dinitrotoluene	0.500	0.473	ug/L	95	SW846 8321A
2,6-Dinitrotoluene	0.500	0.458	ug/L	92	SW846 8321A
HMX	0.500	0.549	ug/L	110	SW846 8321A
Nitrobenzene	0.500	0.448	ug/L	90	SW846 8321A
Nitroglycerin	0.500	0.451	ug/L	90	SW846 8321A
2-Nitrotoluene	0.500	0.433	ug/L	87	SW846 8321A
3-Nitrotoluene	0.500	0.455	ug/L	91	SW846 8321A
4-Nitrotoluene	0.500	0.474	ug/L	95	SW846 8321A
PETN	0.500	0.489	ug/L	98	SW846 8321A
RDX	0.500	0.494	ug/L	99	SW846 8321A
Tetryl	0.500	0.477	ug/L	95	SW846 8321A
1,3,5-Trinitrobenzene	0.500	0.434	ug/L	87	SW846 8321A
2,4,6-Trinitrotoluene	0.500	0.450	ug/L	90	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F040396 Work Order #....: GHPHH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD
 Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6-dinitrotoluene	100	(68 - 126)			SW846 8321A
	96	(68 - 126)	1.5	(0-40)	SW846 8321A
4-Amino-2,6-dinitrotoluene	93	(63 - 125)			SW846 8321A
	91	(63 - 125)	4.7	(0-40)	SW846 8321A
1,3-Dinitrobenzene	97	(68 - 125)			SW846 8321A
	102	(68 - 125)	11	(0-40)	SW846 8321A
2,4-Dinitrotoluene	95	(64 - 124)			SW846 8321A
	95	(64 - 124)	6.7	(0-40)	SW846 8321A
2,6-Dinitrotoluene	96	(67 - 124)			SW846 8321A
	90	(67 - 124)	0.11	(0-40)	SW846 8321A
HMX	111	(52 - 158)			SW846 8321A
	98	(52 - 158)	5.4	(0-40)	SW846 8321A
Nitrobenzene	91	(40 - 110)			SW846 8321A
	92	(40 - 110)	7.9	(0-40)	SW846 8321A
Nitroglycerin	56	(56 - 148)			SW846 8321A
	86 p	(56 - 148)	48	(0-40)	SW846 8321A
2-Nitrotoluene	86	(25 - 99)			SW846 8321A
	82	(25 - 99)	2.6	(0-40)	SW846 8321A
3-Nitrotoluene	86	(27 - 104)			SW846 8321A
	84	(27 - 104)	3.4	(0-40)	SW846 8321A
4-Nitrotoluene	89	(33 - 108)			SW846 8321A
	88	(33 - 108)	5.0	(0-40)	SW846 8321A
PETN	98	(35 - 177)			SW846 8321A
	97	(35 - 177)	5.6	(0-40)	SW846 8321A
RDX	100	(61 - 123)			SW846 8321A
	99	(61 - 123)	5.0	(0-40)	SW846 8321A
Tetryl	68	(53 - 148)			SW846 8321A
	76	(53 - 148)	18	(0-40)	SW846 8321A
1,3,5-Trinitrobenzene	87	(70 - 126)			SW846 8321A
	87	(70 - 126)	7.4	(0-40)	SW846 8321A
2,4,6-Trinitrotoluene	91	(59 - 129)			SW846 8321A
	89	(59 - 129)	5.1	(0-40)	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F040396

Work Order #...: GHPHH1AF-MS

Matrix.....: WATER

MS Lot-Sample #: D4F050141-004

GHPHH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPPH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPPH1AG-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.472	0.473	ug/L	100		SW846 8321A
	ND	0.503	0.480	ug/L	96	1.5	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.472	0.436	ug/L	93		SW846 8321A
	ND	0.503	0.457	ug/L	91	4.7	SW846 8321A
1,3-Dinitrobenzene	ND	0.472	0.457	ug/L	97		SW846 8321A
	ND	0.503	0.511	ug/L	102	11	SW846 8321A
2,4-Dinitrotoluene	ND	0.472	0.448	ug/L	95		SW846 8321A
	ND	0.503	0.479	ug/L	95	6.7	SW846 8321A
2,6-Dinitrotoluene	ND	0.472	0.453	ug/L	96		SW846 8321A
	ND	0.503	0.453	ug/L	90	0.11	SW846 8321A
HMX	ND	0.472	0.523	ug/L	111		SW846 8321A
	ND	0.503	0.495	ug/L	98	5.4	SW846 8321A
Nitrobenzene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.464	ug/L	92	7.9	SW846 8321A
Nitroglycerin	ND	0.472	0.264	ug/L	56		SW846 8321A
	ND	0.503	0.431	ug/L	86 p	48	SW846 8321A
2-Nitrotoluene	ND	0.472	0.404	ug/L	86		SW846 8321A
	ND	0.503	0.415	ug/L	82	2.6	SW846 8321A
3-Nitrotoluene	ND	0.472	0.406	ug/L	86		SW846 8321A
	ND	0.503	0.420	ug/L	84	3.4	SW846 8321A
4-Nitrotoluene	ND	0.472	0.420	ug/L	89		SW846 8321A
	ND	0.503	0.442	ug/L	88	5.0	SW846 8321A
PETN	ND	0.472	0.462	ug/L	98		SW846 8321A
	ND	0.503	0.489	ug/L	97	5.6	SW846 8321A
RDX	ND	0.472	0.474	ug/L	100		SW846 8321A
	ND	0.503	0.498	ug/L	99	5.0	SW846 8321A
Tetryl	ND	0.472	0.320	ug/L	68		SW846 8321A
	ND	0.503	0.383	ug/L	76	18	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.472	0.408	ug/L	87		SW846 8321A
	ND	0.503	0.439	ug/L	87	7.4	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.450	ug/L	89	5.1	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396

Work Order #...: GHPPH1AF-MS

Matrix.....: WATER

MS Lot-Sample #: D4F050141-004

GHPPH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F040396
MB Lot-Sample #: R4F090000-109

Work Order #...: GHV341AA

Matrix.....: WATER

Analysis Date...: 07/07/04
Dilution Factor: 1

Prep Date.....: 06/09/04
Prep Batch #...: 4161109

Analysis Time...: 05:40

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
MNX	ND	0.10	ug/L	SW846 8321A
DNX	ND	0.10	ug/L	SW846 8321A
TNX	ND	0.10	ug/L	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	99	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
MX	110	(35 - 135)	SW846 8321A
DNX	51	(35 - 135)	SW846 8321A
TNX	53	(35 - 135)	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
RDX-C13	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
MX	0.500	0.548	ug/L	110	SW846 8321A
DNX	0.500	0.254	ug/L	51	SW846 8321A
TNX	0.500	0.267	ug/L	53	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
MX	116	(35 - 135)			SW846 8321A
	113	(35 - 135)	2.2	(0-30)	SW846 8321A
DNX	58	(35 - 135)			SW846 8321A
	56	(35 - 135)	2.2	(0-30)	SW846 8321A
TNX	67	(35 - 135)			SW846 8321A
	67	(35 - 135)	0.60	(0-30)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
MX	ND	0.470	0.544	ug/L	116		SW846 8321A
	ND	0.470	0.532	ug/L	113	2.2	SW846 8321A
DNX	ND	0.470	0.270	ug/L	58		SW846 8321A
	ND	0.470	0.264	ug/L	56	2.2	SW846 8321A
TNX	ND	0.470	0.316	ug/L	67		SW846 8321A
	ND	0.470	0.314	ug/L	67	0.60	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

4.7, 4.1 ~~18~~
6/4/07

Page: 1 of 1

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY:		RELINQUISHED BY:	
PROJECT: HE 05110.220		Total Number of Containers				Signature: <i>Kim P. Granzow</i> Time: 1:45		Signature:	
PROJ. NAME: White Rock Canyon Springs HE Profile		Chain of Custody Seals				Printed Name: Kim Granzow Date: 6.3.04		Printed Name:	
QC LEVEL: STD IV		Received Intact?						Company	
QC REQUIRED: MS MSD BLANK		Received Good Cond./Cold				RECEIVED BY: 1		RECEIVED BY: 2	
TAT: STANDARD		LAB NUMBER:				Signature: <i>Pat Collins</i> Time: 0900		Signature:	
DUE DATE:		Donna, please bill to: June Dreith, 560 Golden Ridge Road, Suite 130, Golden, Colorado, 80401 Phone 303-763-7188, Fax 303-763-4869. Thanks!				Printed Name: Pat Collins Date: 6/4/04		Printed Name:	
RUSH SURCHARGE:						Company: Paragon Laboratories, Inc.		Company:	
CLIENT DISCOUNT:									
SPECIAL CERTIFICATION									
REQUIRED: YES NO									

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STL Denver

4955 Yarrow Street
Arvada, CO 80002

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www.stl-inc.com

ANALYTICAL REPORT

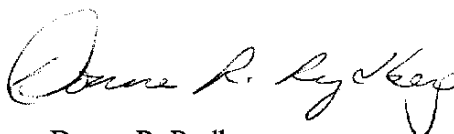
White Rock Canyon Springs HE Profile

Lot #: D4F040396

June Dreith

Techlaw
560 Golden Ridge Road
Suite 130
Golden, CO 80401

STL DENVER



Donna R. Rydberg
Project Manager

July 12, 2004

Case Narrative

Enclosed is the report for four samples received at STL's Denver laboratory on June 4, 2004. The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4F040396

Sample Receiving

- The samples presented in this report were received at the laboratory at temperatures of 4.7°C and 4.1°C. The sample bottle for the RDX Degradates arrived at the laboratory broken for sample Spring 5-6-2-04-NF. Only explosives will be analyzed for this sample. All other sample containers were received in acceptable condition.

Holding Times

- Holding times were met.

Method 8321A – Explosives and NitrosoDegradates

- The Nitroso Degradates analyses for the samples in this report were conducted with standard materials that expired. The client was notified before proceeding with the tests. These materials are not available from our standard vendors. The material requires synthesis and there was not time available to obtain new standards before holding times expired. The client directed the laboratory to run the samples with the expired standards.
- The surrogate recovery for Nitrobenzene-d5 was outside established control limits for sample D4F040396-004 for Method 8321 Explosives. The sample had a large amount of sediment in it, which clogged the SPE cartridge. Three cartridges were required for the extraction. The eluant was combined and then concentrated down to the 2.5mL final volume required per the Method.
- The relative percent difference between the MS and MSD associated with prep batch 4159119 for nitroglycerin exceeded control limits. The individual spike recoveries were within control limits. Data was accepted.

EXECUTIVE SUMMARY - Detection Highlights

D4F040396

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D4F040396

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
LCMS by 8321A	SW846 8321A	SW846 3535
Nitroso Degradates of RDX	SW846 8321A	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D4F040396

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8321A	Mark Dymerski	004626
SW846 8321A	Steve Cowling	008738

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D4F040396

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GHNJQ	001	SPRING 5A-6-2-04-NF	06/02/04	12:05
GHNJT	002	SPRING 5-6-2-04-NF	06/02/04	13:05
GHNJV	003	SPRING 4A-6-2-04-NF	06/02/04	15:10
GHNJW	004	SPRING 4B-6-2-04-NF	06/02/04	15:15

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Techlaw Inc

Client Sample ID: SPRING 5A-6-2-04-NF

HPLC

Lot-Sample #...: D4F040396-001 Work Order #...: GHNJQ1AA Matrix.....: WATER
 Date Sampled...: 06/02/04 12:05 Date Received...: 06/04/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 06:14
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	92	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 5A-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-001 **Work Order #....:** GHNJQ1AC **Matrix.....:** WATER
Date Sampled....: 06/02/04 12:05 **Date Received...:** 06/04/04
Prep Date.....: 06/07/04 **Analysis Date...:** 06/09/04
Prep Batch #....: 4159119 **Analysis Time...:** 18:51
Dilution Factor: 1
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	79	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 5-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-002 Work Order #....: GHNJT1AC Matrix.....: WATER
 Date Sampled....: 06/02/04 13:05 Date Received...: 06/04/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 19:23
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	91	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 4A-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-003 Work Order #....: GHNJV1AA Matrix.....: WATER
Date Sampled....: 06/02/04 15:10 Date Received...: 06/04/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #....: 4161109 Analysis Time...: 06:30
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	95	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 4A-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-003 **Work Order #....:** GHNVV1AC **Matrix.....:** WATER
Date Sampled....: 06/02/04 15:10 **Date Received...:** 06/04/04
Prep Date.....: 06/07/04 **Analysis Date...:** 06/09/04
Prep Batch #....: 4159119 **Analysis Time...:** 19:55
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015

<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>
	<u>RECOVERY</u>	<u>LIMITS</u>
Nitrobenzene-d5	91	(44 - 124)

Techlaw Inc

Client Sample ID: SPRING 4B-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-004 Work Order #....: GHNJW1AA Matrix.....: WATER
Date Sampled...: 06/02/04 15:15 Date Received...: 06/04/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #....: 4161109 Analysis Time...: 06:47
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	95	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 4B-6-2-04-NF

HPLC

Lot-Sample #....: D4F040396-004 **Work Order #....:** GHNJW1AC **Matrix.....:** WATER
Date Sampled....: 06/02/04 15:15 **Date Received...:** 06/04/04
Prep Date.....: 06/07/04 **Analysis Date...:** 06/09/04
Prep Batch #....: 4159119 **Analysis Time...:** 20:27
Dilution Factor: 1
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	0.0 *	(44 - 124)		

NOTE(S) :

* Surrogate recovery is outside stated control limits.

QC DATA ASSOCIATION SUMMARY

D4F040396

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
002	WATER	SW846 8321A		4159119	4159076
003	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
004	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F040396
MB Lot-Sample #: R4F070000-119

Work Order #...: GHP3N1AA

Matrix.....: WATER

Analysis Date...: 06/09/04
Dilution Factor: 1

Prep Date.....: 06/07/04

Analysis Time...: 17:48

Prep Batch #...: 4159119

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
1,3-Dinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
2,6-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
HMX	ND	0.12	ug/L	SW846 8321A
Nitrobenzene	ND	0.12	ug/L	SW846 8321A
Nitroglycerin	ND	0.12	ug/L	SW846 8321A
2-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
3-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
PETN	ND	0.12	ug/L	SW846 8321A
RDX	ND	0.12	ug/L	SW846 8321A
Tetryl	ND	0.12	ug/L	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.12	ug/L	SW846 8321A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	86	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F040396 Work Order #....: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2-Amino-4,6-dinitrotoluene	98	(69 - 131)	SW846 8321A
4-Amino-2,6-dinitrotoluene	86	(69 - 128)	SW846 8321A
1,3-Dinitrobenzene	95	(70 - 127)	SW846 8321A
2,4-Dinitrotoluene	95	(65 - 129)	SW846 8321A
2,6-Dinitrotoluene	92	(66 - 128)	SW846 8321A
HMX	110	(53 - 169)	SW846 8321A
Nitrobenzene	90	(27 - 120)	SW846 8321A
Nitroglycerin	90	(43 - 154)	SW846 8321A
2-Nitrotoluene	87	(17 - 105)	SW846 8321A
3-Nitrotoluene	91	(23 - 105)	SW846 8321A
4-Nitrotoluene	95	(26 - 114)	SW846 8321A
PETN	98	(34 - 173)	SW846 8321A
RDX	99	(62 - 127)	SW846 8321A
Tetryl	95	(40 - 152)	SW846 8321A
1,3,5-Trinitrobenzene	87	(64 - 137)	SW846 8321A
2,4,6-Trinitrotoluene	90	(43 - 133)	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE AMOUNT</u>	<u>MEASURED AMOUNT</u>	<u>UNITS</u>	<u>PERCENT RECOVERY</u>	<u>METHOD</u>
2-Amino-4,6-dinitrotoluene	0.500	0.491	ug/L	98	SW846 8321A
4-Amino-2,6-dinitrotoluene	0.500	0.430	ug/L	86	SW846 8321A
1,3-Dinitrobenzene	0.500	0.474	ug/L	95	SW846 8321A
2,4-Dinitrotoluene	0.500	0.473	ug/L	95	SW846 8321A
2,6-Dinitrotoluene	0.500	0.458	ug/L	92	SW846 8321A
HMX	0.500	0.549	ug/L	110	SW846 8321A
Nitrobenzene	0.500	0.448	ug/L	90	SW846 8321A
Nitroglycerin	0.500	0.451	ug/L	90	SW846 8321A
2-Nitrotoluene	0.500	0.433	ug/L	87	SW846 8321A
3-Nitrotoluene	0.500	0.455	ug/L	91	SW846 8321A
4-Nitrotoluene	0.500	0.474	ug/L	95	SW846 8321A
PFIN	0.500	0.489	ug/L	98	SW846 8321A
RDX	0.500	0.494	ug/L	99	SW846 8321A
Tetryl	0.500	0.477	ug/L	95	SW846 8321A
1,3,5-Trinitrobenzene	0.500	0.434	ug/L	87	SW846 8321A
2,4,6-Trinitrotoluene	0.500	0.450	ug/L	90	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPHH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6- dinitrotoluene	100	(68 - 126)			SW846 8321A
	96	(68 - 126)	1.5	(0-40)	SW846 8321A
4-Amino-2,6- dinitrotoluene	93	(63 - 125)			SW846 8321A
	91	(63 - 125)	4.7	(0-40)	SW846 8321A
1,3-Dinitrobenzene	97	(68 - 125)			SW846 8321A
	102	(68 - 125)	11	(0-40)	SW846 8321A
2,4-Dinitrotoluene	95	(64 - 124)			SW846 8321A
	95	(64 - 124)	6.7	(0-40)	SW846 8321A
2,6-Dinitrotoluene	96	(67 - 124)			SW846 8321A
	90	(67 - 124)	0.11	(0-40)	SW846 8321A
HMX	111	(52 - 158)			SW846 8321A
	98	(52 - 158)	5.4	(0-40)	SW846 8321A
Nitrobenzene	91	(40 - 110)			SW846 8321A
	92	(40 - 110)	7.9	(0-40)	SW846 8321A
Nitroglycerin	56	(56 - 148)			SW846 8321A
	86 p	(56 - 148)	48	(0-40)	SW846 8321A
2-Nitrotoluene	86	(25 - 99)			SW846 8321A
	82	(25 - 99)	2.6	(0-40)	SW846 8321A
3-Nitrotoluene	86	(27 - 104)			SW846 8321A
	84	(27 - 104)	3.4	(0-40)	SW846 8321A
4-Nitrotoluene	89	(33 - 108)			SW846 8321A
	88	(33 - 108)	5.0	(0-40)	SW846 8321A
PFIN	98	(35 - 177)			SW846 8321A
	97	(35 - 177)	5.6	(0-40)	SW846 8321A
RDX	100	(61 - 123)			SW846 8321A
	99	(61 - 123)	5.0	(0-40)	SW846 8321A
Tetryl	68	(53 - 148)			SW846 8321A
	76	(53 - 148)	18	(0-40)	SW846 8321A
1,3,5-Trinitrobenzene	87	(70 - 126)			SW846 8321A
	87	(70 - 126)	7.4	(0-40)	SW846 8321A
2,4,6-Trinitrotoluene	91	(59 - 129)			SW846 8321A
	89	(59 - 129)	5.1	(0-40)	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPHH1AF-MS Matrix.....: WATER
MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPPH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPPH1AG-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.472	0.473	ug/L	100		SW846 8321A
	ND	0.503	0.480	ug/L	96	1.5	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.472	0.436	ug/L	93		SW846 8321A
	ND	0.503	0.457	ug/L	91	4.7	SW846 8321A
1,3-Dinitrobenzene	ND	0.472	0.457	ug/L	97		SW846 8321A
	ND	0.503	0.511	ug/L	102	11	SW846 8321A
2,4-Dinitrotoluene	ND	0.472	0.448	ug/L	95		SW846 8321A
	ND	0.503	0.479	ug/L	95	6.7	SW846 8321A
2,6-Dinitrotoluene	ND	0.472	0.453	ug/L	96		SW846 8321A
	ND	0.503	0.453	ug/L	90	0.11	SW846 8321A
HMX	ND	0.472	0.523	ug/L	111		SW846 8321A
	ND	0.503	0.495	ug/L	98	5.4	SW846 8321A
Nitrobenzene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.464	ug/L	92	7.9	SW846 8321A
Nitroglycerin	ND	0.472	0.264	ug/L	56		SW846 8321A
	ND	0.503	0.431	ug/L	86 p	48	SW846 8321A
2-Nitrotoluene	ND	0.472	0.404	ug/L	86		SW846 8321A
	ND	0.503	0.415	ug/L	82	2.6	SW846 8321A
3-Nitrotoluene	ND	0.472	0.406	ug/L	86		SW846 8321A
	ND	0.503	0.420	ug/L	84	3.4	SW846 8321A
4-Nitrotoluene	ND	0.472	0.420	ug/L	89		SW846 8321A
	ND	0.503	0.442	ug/L	88	5.0	SW846 8321A
PETN	ND	0.472	0.462	ug/L	98		SW846 8321A
	ND	0.503	0.489	ug/L	97	5.6	SW846 8321A
RDX	ND	0.472	0.474	ug/L	100		SW846 8321A
	ND	0.503	0.498	ug/L	99	5.0	SW846 8321A
Tetryl	ND	0.472	0.320	ug/L	68		SW846 8321A
	ND	0.503	0.383	ug/L	76	18	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.472	0.408	ug/L	87		SW846 8321A
	ND	0.503	0.439	ug/L	87	7.4	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.450	ug/L	89	5.1	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPHH1AF-MS Matrix.....: WATER
MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHV341AA Matrix.....: WATER
 MB Lot-Sample #: R4F090000-109 Prep Date.....: 06/09/04 Analysis Time...: 05:40
 Analysis Date...: 07/07/04 Prep Batch #...: 4161109
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
MNX	ND	0.10	ug/L	SW846 8321A
DNX	ND	0.10	ug/L	SW846 8321A
TNX	ND	0.10	ug/L	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	99	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F040396 Work Order #....: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
MNX	110	(35 - 135)	SW846 8321A
DNX	51	(35 - 135)	SW846 8321A
TNX	53	(35 - 135)	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
RDX-C13	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
MNX	0.500	0.548	ug/L	110	SW846 8321A
DNX	0.500	0.254	ug/L	51	SW846 8321A
TNX	0.500	0.267	ug/L	53	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	93	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F040396 Work Order #....: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>RPD</u>	<u>RPD LIMITS</u>	<u>METHOD</u>
MNX	116	(35 - 135)			SW846 8321A
	113	(35 - 135)	2.2	(0-30)	SW846 8321A
DNX	58	(35 - 135)			SW846 8321A
	56	(35 - 135)	2.2	(0-30)	SW846 8321A
TNX	67	(35 - 135)			SW846 8321A
	67	(35 - 135)	0.60	(0-30)	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F040396 Work Order #...: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
MNX	ND	0.470	0.544	ug/L	116		SW846 8321A
	ND	0.470	0.532	ug/L	113	2.2	SW846 8321A
DNX	ND	0.470	0.270	ug/L	58		SW846 8321A
	ND	0.470	0.264	ug/L	56	2.2	SW846 8321A
TNX	ND	0.470	0.316	ug/L	67		SW846 8321A
	ND	0.470	0.314	ug/L	67	0.60	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

LC/MS

Supporting Documentation

Sample Sequence, Quant Reports,
Chromatograms



STL

Lot ID: D4F040396

Client: Techlaw Inc.

Method: 8321A explosives

Associated Samples: 1-4

Batch #(s): 4159119

*I certify that, to the best of my knowledge, the attached package
represents a complete and accurate copy of the original data.*

Signature/Date: Mark Dymond - 6/17/04

**LC/MS SEMIVOLATILE
ORGANIC EXTRACTION
LOG SHEETS**

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to
Bench Sheet Copied p

QC BATCH: 4159119

PREP DATE:	6/07/04	8:00
COMP DATE:	6/07/04	14:00

8321A, Explosives by LCMS
SOLID PHASE EXTRACTION (NOMINAL)

30

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 6/07/04
Time: 13:56:18*****
* QC BATCH: 4159119 *
* PREP DATE: 6/07/04 8:00
* COMP DATE: 6/07/04 14:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/11/04	6/23/04	D4F050141-004 GHPHH-1-AC	D	B7	BX	WATER 1058mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
COMMENTS:												
6/11/04	6/23/04	D4F050141-004 GHPHH-1-APS	D	B7	BX	WATER 1060mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 808.145.4 2-26-04
COMMENTS:												
6/11/04	6/23/04	D4F050141-004 GHPHH-1-AGD	D	B7	BX	WATER 994mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 808.145.4 2-26-04
COMMENTS:												
6/09/04	0/00/00	R4F070000-119 GHP3N-1-AAB		B7	BX	WATER 1000mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
COMMENTS:												
6/09/04	0/00/00	R4F070000-119 GHP3N-1-ACC		B7	BX	WATER 1000mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 808.145.4 2-26-04
COMMENTS:												

DEN-LC-0010 H2O: MILLI-Q/A02E00 ACN: Y44815 S/S: HD
CARTRIDGES: S214-18/10940-4

R = RUSH	C = CLP	NUMBER OF WORK ORDERS IN BATCH:
E = EPA 600	D = EXP.DEL)	12
M = CLIENT REQ MS/MSD		

LC/MS SEMIVOLATILE
Instrument Run Log

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6).SPL
 Printed: Thu Jun 10 09:22:19 2004

Page Position: (1, 1)

	File Name	Sample ID	File Text	Sample Type	Analyte µg/L	QC µg/L	Vial	Extract (L)
1	ex24f0801	856.65.3	Blank	Blank	0	50	1	1.000
2	ex24f0802	856.65.4	5 µg/L	Standard	5	5	2	1.000
3	ex24f0803	856.65.5	10 µg/L	Standard	10	10	3	1.000
4	ex24f0804	856.65.6	25 µg/L	Standard	25	25	4	1.000
5	ex24f0805	856.65.7	50 µg/L	Standard	50	50	5	1.000
6	ex24f0806	856.65.8	100 µg/L	Standard	100	100	6	1.000
7	ex24f0807	856.65.9	200 µg/L	Standard	200	200	7	1.000
8	ex24f0808	856.65.10	300 µg/L	Standard	300	300	8	1.000
9	ex24f0809	856.65.3	Blank	Blank	0	50	1	1.000
10	ex24f0810	856.65.11	100 µg/L ICV	QC	100	100	9	1.000
11	ex24f0860	856.65.7	50 µg/L	QC	50	50	5	1.000
12	ex24f0861	GHP3N1AA	R4F070000-119 MB	Blank	0	100	20	0.005
13	ex24f0862	GHP3N1AC	R4F070000-119 LCS	QC	100	100	21	0.005
14	ex24f0863	GHNJQ1AC	D4F040396-1	Analyte	0	100	22	0.005
15	ex24f0864	GHNJT1AC	D4F040396-2	Analyte	0	100	23	0.005
16	ex24f0865	GHNJV1AC	D4F040396-3	Analyte	0	100	24	0.005
17	ex24f0866	GHNJW1AC	D4F040396-4	Analyte	0	100	25	0.005
18	ex24f0867	GHPG91AC	D4F050141-1	Analyte	0	100	26	0.005
19	ex24f0868	GHPHF1AC	D4F050141-2	Analyte	0	100	27	0.005
20	ex24f0869	GHPHG1AC	D4F050141-3	Analyte	0	100	28	0.005
21	ex24f0870	856.65.8	100 µg/L	QC	100	100	6	1.000
22	ex24f0871	GHPHH1AC	D4F050141-4	Analyte	0	100	29	0.005
23	ex24f0872	GHPHH1AF	D4F050141-4 MS	QC	100	100	30	0.005
24	ex24f0873	GHPHH1AG	D4F050141-4 MSD	QC	100	100	31	0.005
25	ex24f0874	856.65.7	50 µg/L	QC	50	50	5	1.000

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6).SPL
Printed: Thu Jun 10 09:22:19 2004

Page Position: (2, 1)

	Sample (L or kg)	Dilution	µL Injected	MS Tune File	Inlet File	MS File
1	1.000	1.000	50.000	Explosives	Exp2	Explosives
2	1.000	1.000	50.000	Explosives	Exp2	Explosives
3	1.000	1.000	50.000	Explosives	Exp2	Explosives
4	1.000	1.000	50.000	Explosives	Exp2	Explosives
5	1.000	1.000	50.000	Explosives	Exp2	Explosives
6	1.000	1.000	50.000	Explosives	Exp2	Explosives
7	1.000	1.000	50.000	Explosives	Exp2	Explosives
8	1.000	1.000	50.000	Explosives	Exp2	Explosives
9	1.000	1.000	50.000	Explosives	Exp2	Explosives
10	1.000	1.000	50.000	Explosives	Exp2	Explosives
11	1.000	1.000	50.000	Explosives	Exp2	Explosives
12	1.000	1.000	50.000	Explosives	Exp2	Explosives
13	1.000	1.000	50.000	Explosives	Exp2	Explosives
14	1.064	1.000	50.000	Explosives	Exp2	Explosives
15	1.059	1.000	50.000	Explosives	Exp2	Explosives
16	0.950	1.000	50.000	Explosives	Exp2	Explosives
17	1.039	1.000	50.000	Explosives	Exp2	Explosives
18	1.059	1.000	50.000	Explosives	Exp2	Explosives
19	1.053	1.000	50.000	Explosives	Exp2	Explosives
20	1.061	1.000	50.000	Explosives	Exp2	Explosives
21	1.000	1.000	50.000	Explosives	Exp2	Explosives
22	1.058	1.000	50.000	Explosives	Exp2	Explosives
23	1.060	1.000	50.000	Explosives	Exp2	Explosives
24	0.994	1.000	50.000	Explosives	Exp2	Explosives
25	1.000	1.000	50.000	Explosives	Exp2	Explosives

**LC/MS SEMIVOLATILE
STANDARD DATA**

Quantify Calibration Report

Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08

Last modified: Tue Jun 08 14:18:01 2004

Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

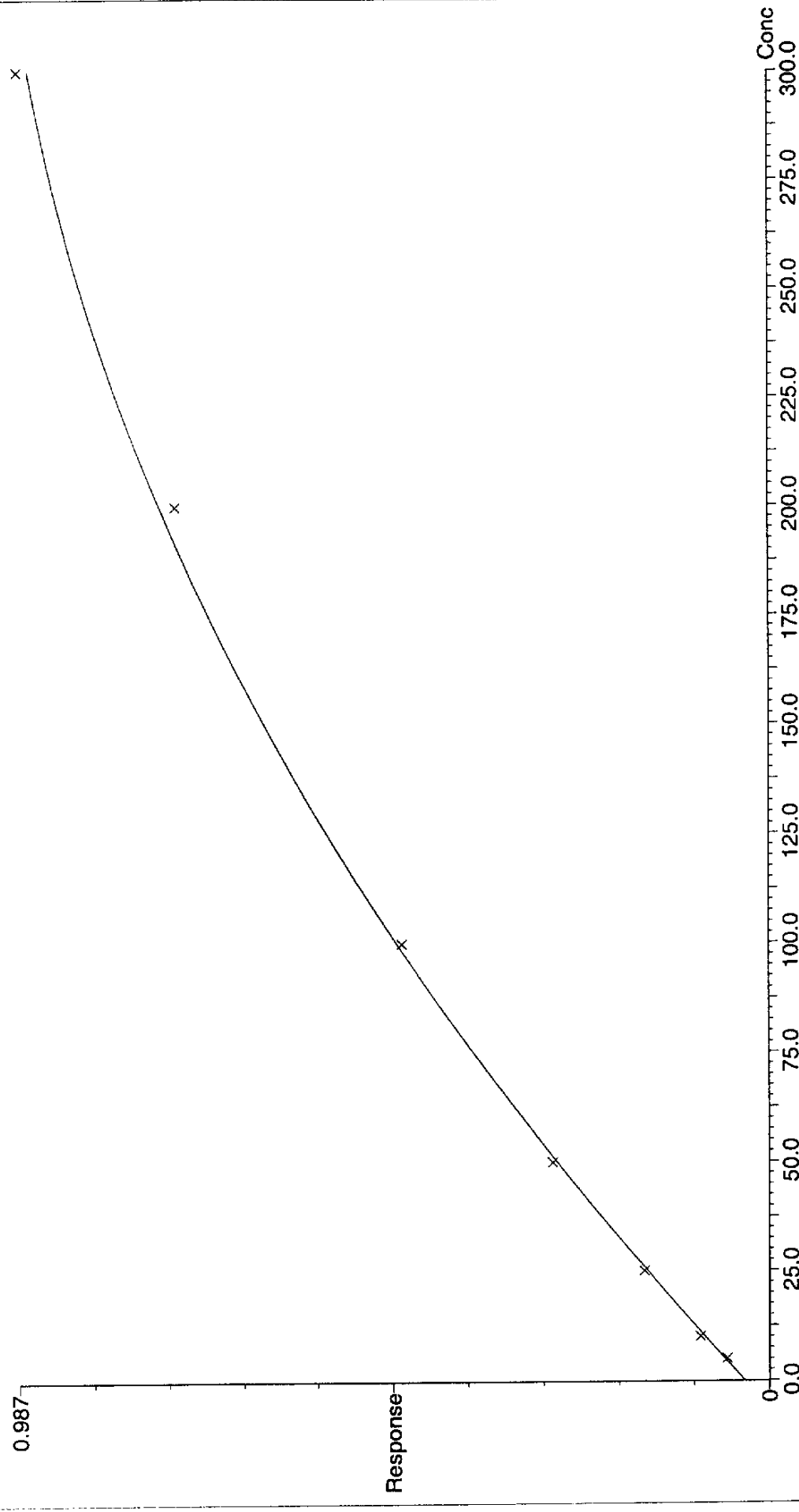
Compound 1 name: HMX Method File: ex24f08

Coefficient of Determination: 0.998988

Calibration curve: $-7.06168e-6 * x^2 + 0.00525076 * x + 0.0329724$

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

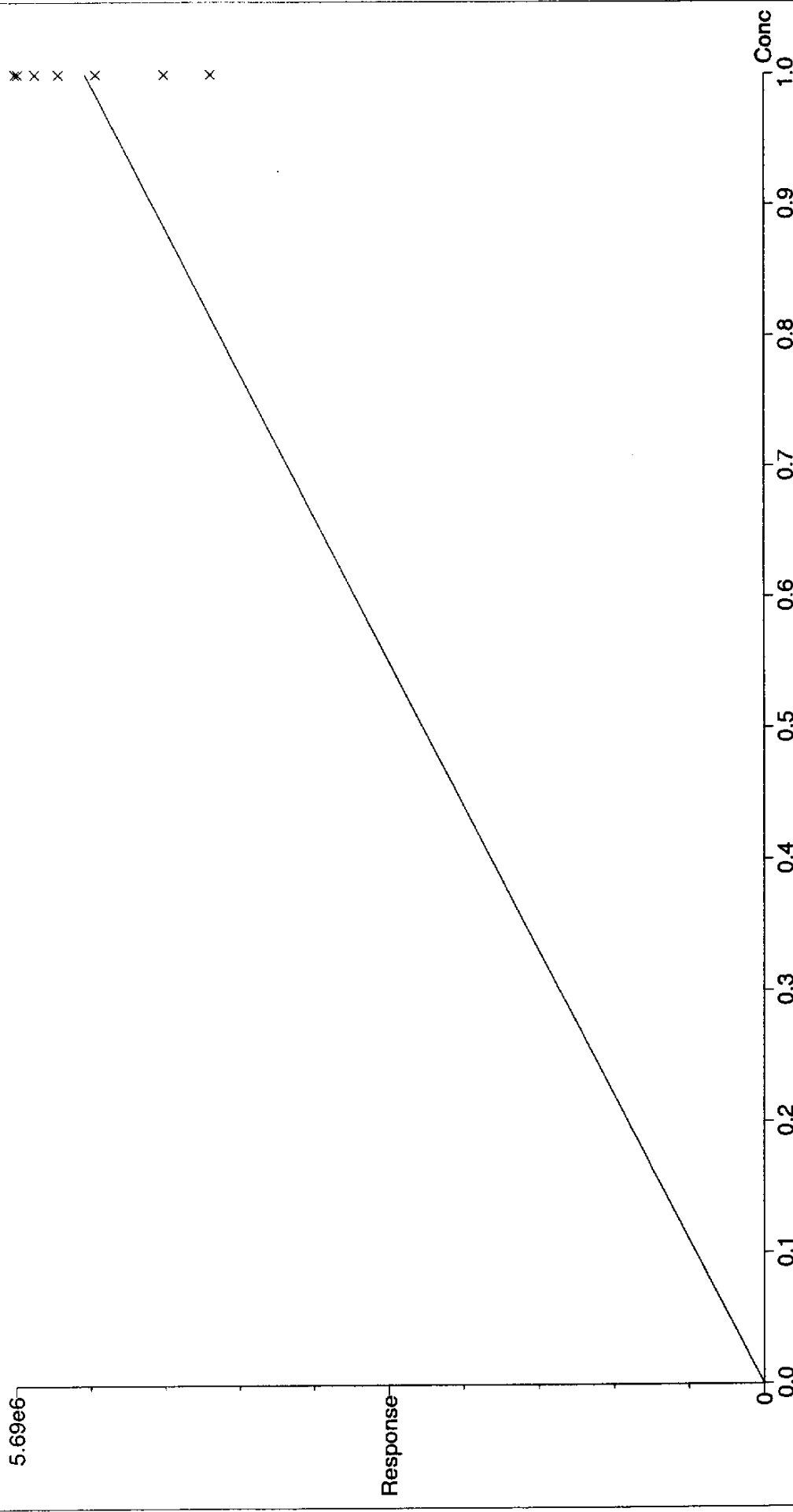
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dynarski

Quantify Calibration Report
Explosives Analysis
Calibration: C:\Masslynx\Explosives.PRO\CurveDE\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**
Compound 2 name: RDX 13C-3 284 (IS) Method File: ex24f08
Response Factor: 5.15330e6
RRF SD: 580485, % Relative SD: 11.2643
Response type: External Std, Area
Curve type: RF



Analyst: Mark Dymarski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

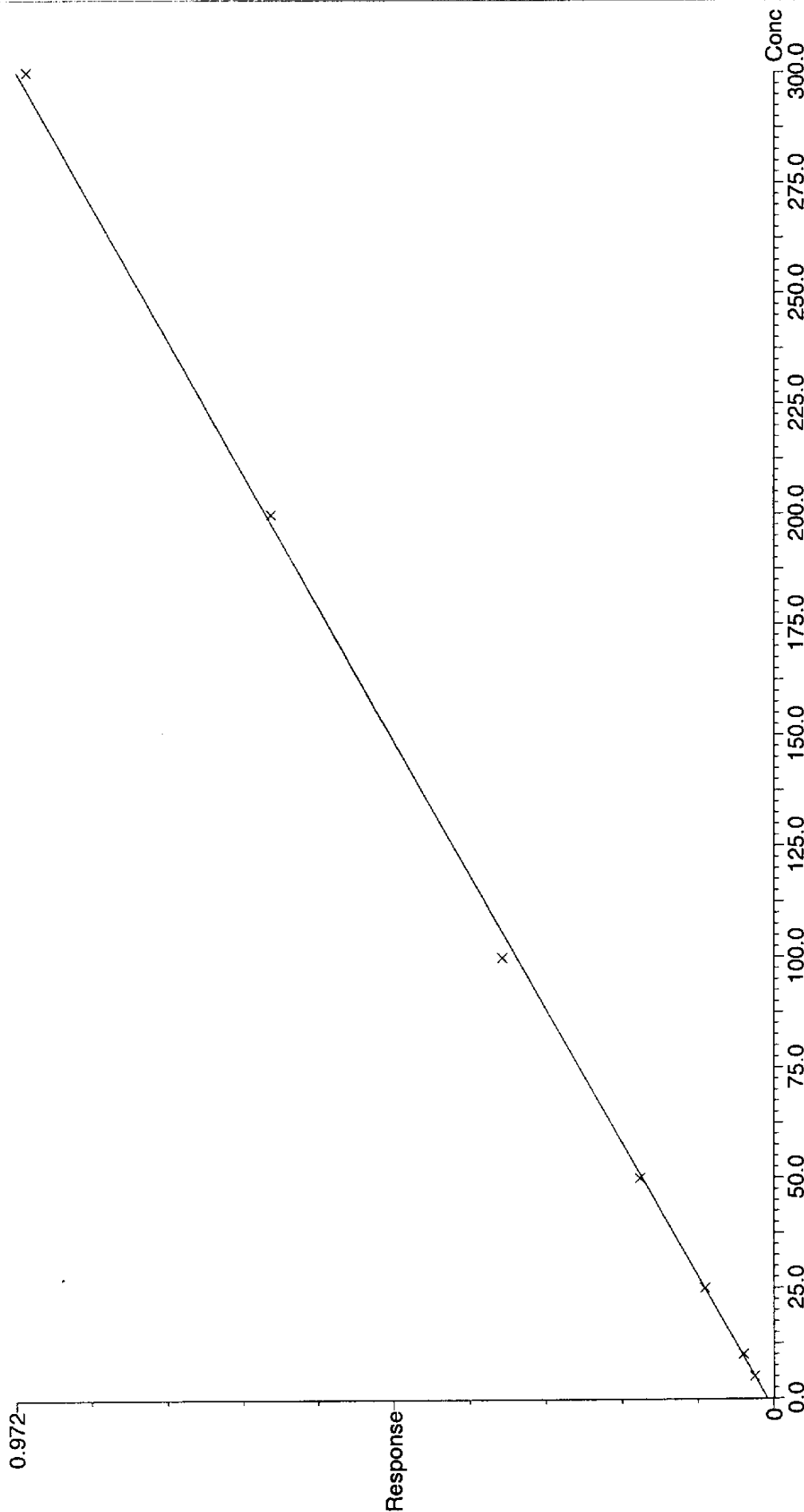
Compound 3 name: RDX Method File: ex24f08

Coefficient of Determination: 0.999254

Calibration curve: $0.00321185 * x + 0.00807398$

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



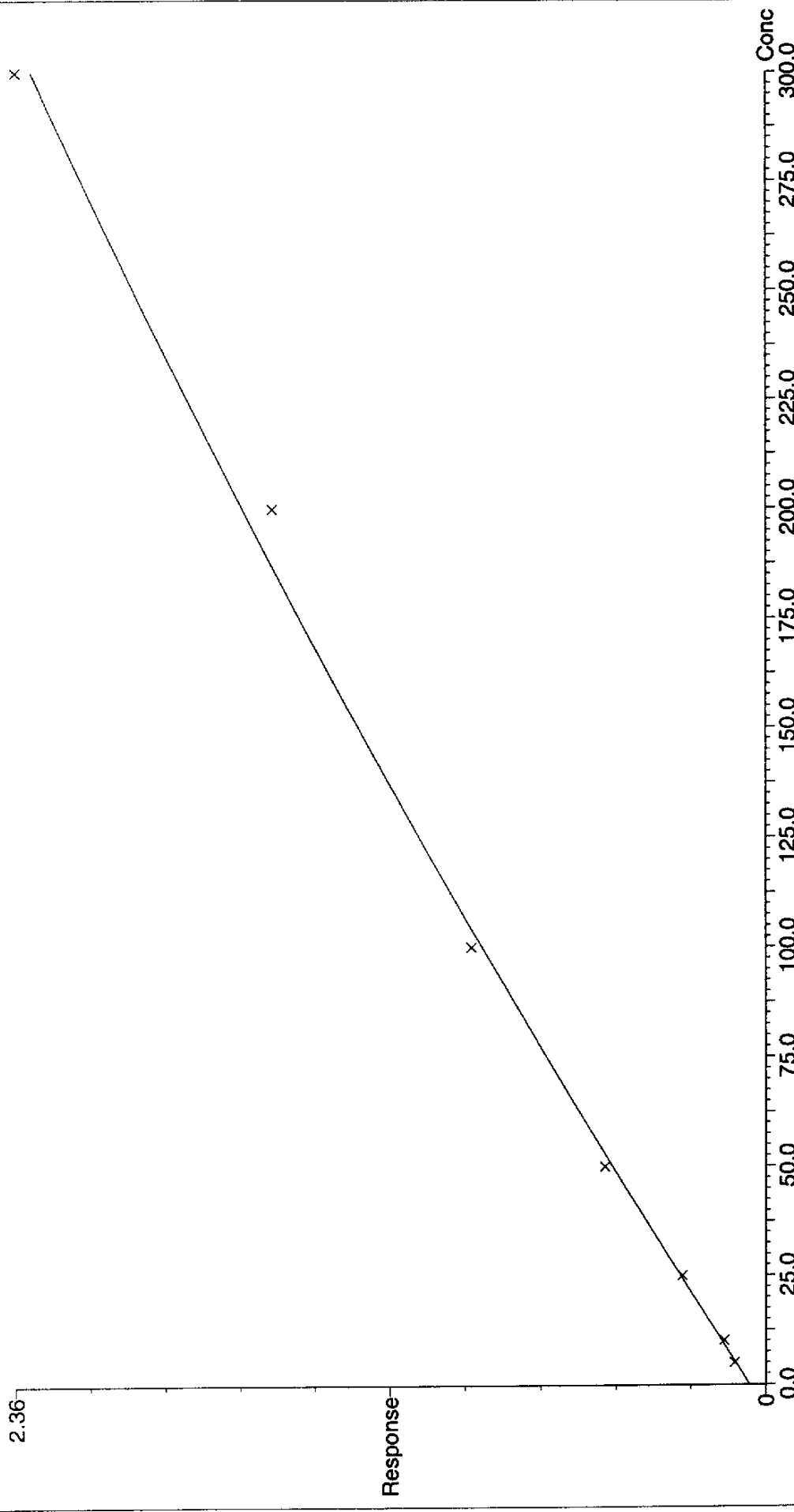
Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 4 name: 1,3,5-Trinitrobenzene Method File: ex24f08
Coefficient of Determination: 0.996994
Calibration curve: $-4.26869e-6 * x^2 + 0.00881698 * x + 0.0513044$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



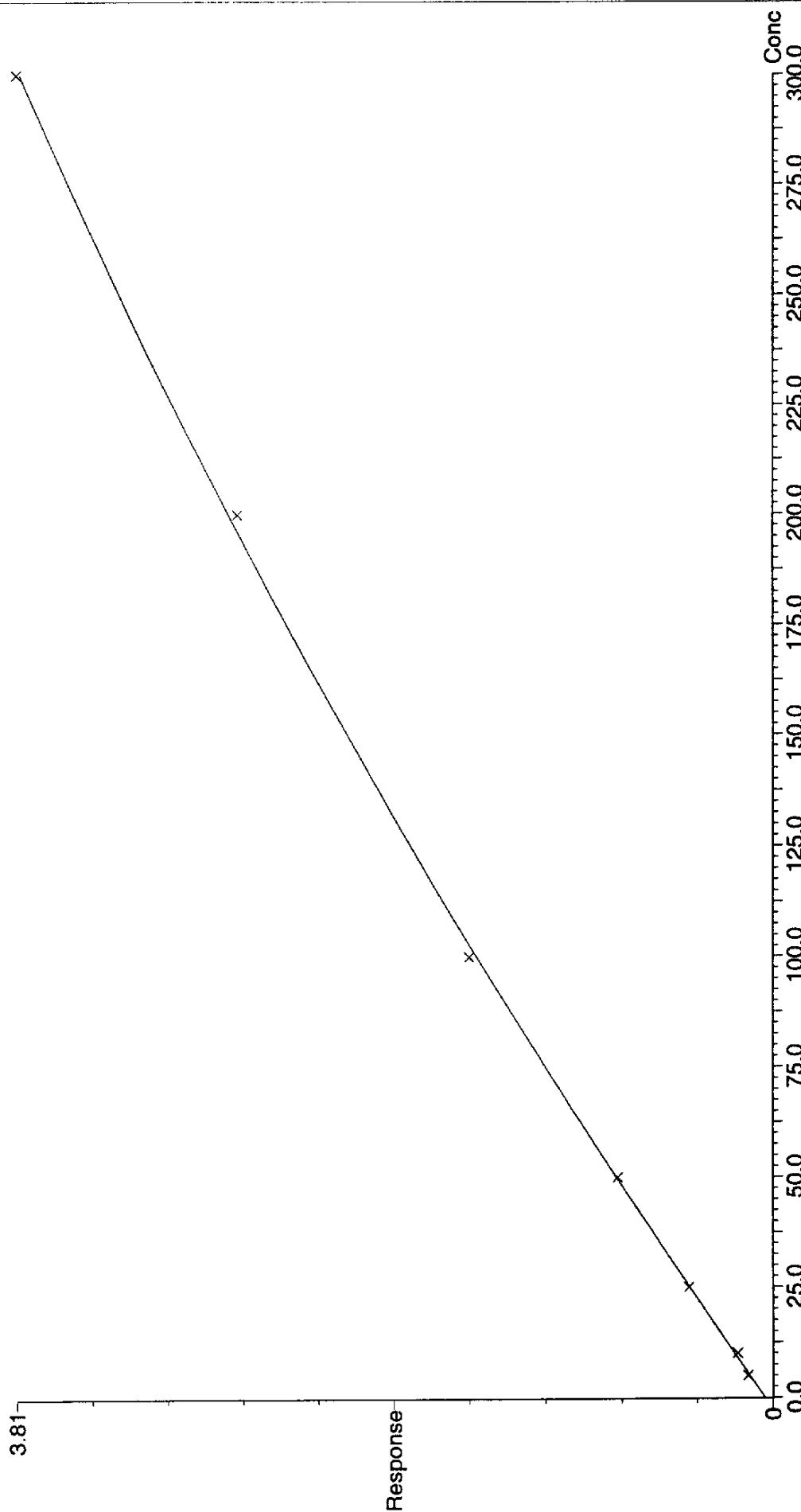
Analyst: Mark Dymarski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Maslyn\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 5 name: Tetryl Method File: ex24f08
Coefficient of Determination: 0.999660
Calibration curve: $-9.89556e-6 * x^2 + 0.0154788 * x + 0.0390892$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dymarski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\Curvedata\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

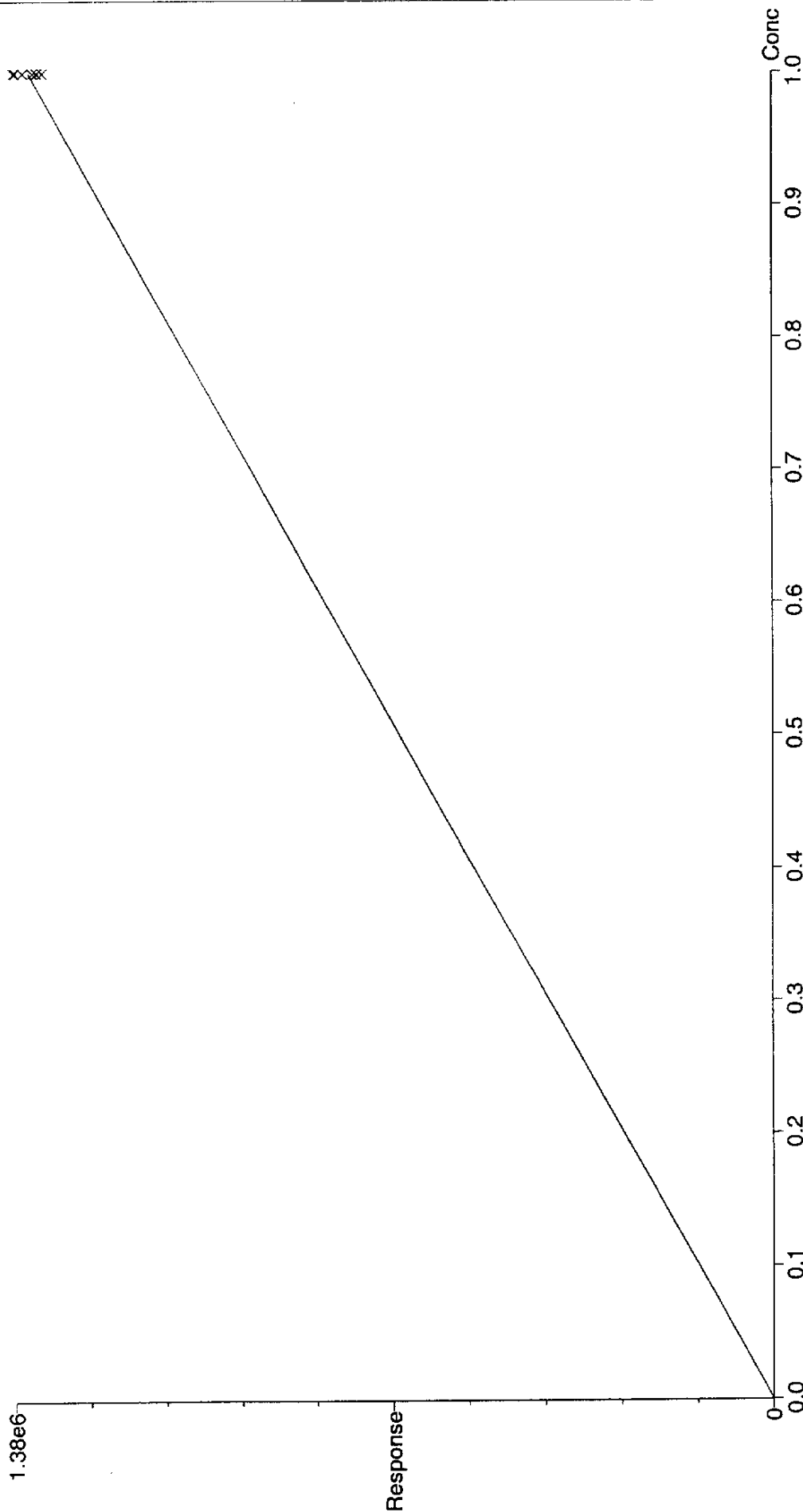
Compound 6 name: Dinitrobenzene-d4 (IS) Method File: ex24f08

Response Factor: 1.35493e6

RRF SD: 20737.0, % Relative SD: 1.53049

Response type: External Std, Area

Curve type: RF



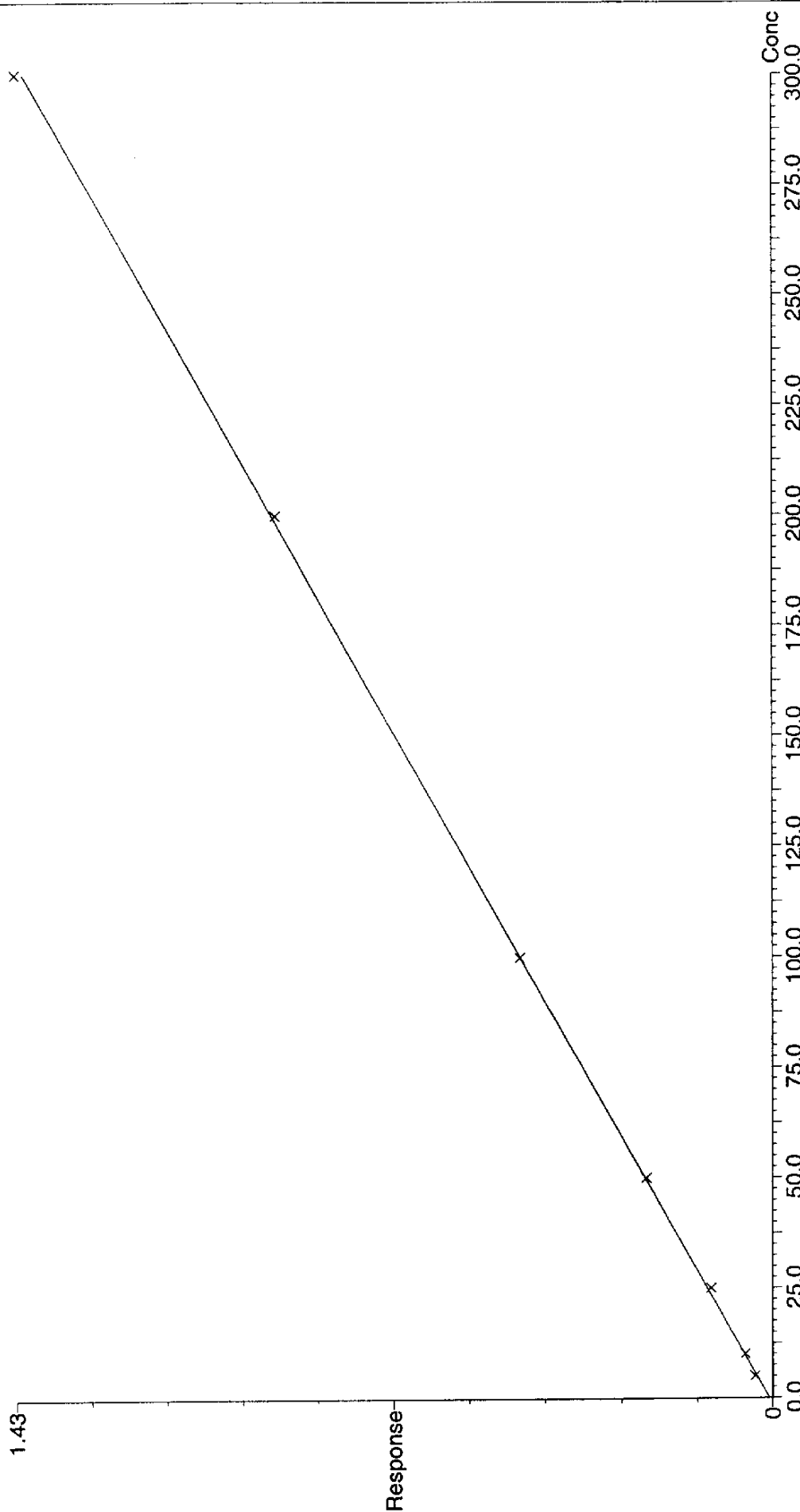
Analyst: Mark Dynarski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 7 name: 1,3-Dinitrobenzene Method File: ex24f08
Coefficient of Determination: 0.999794
Calibration curve: $0.00469986 * x + 0.00624284$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

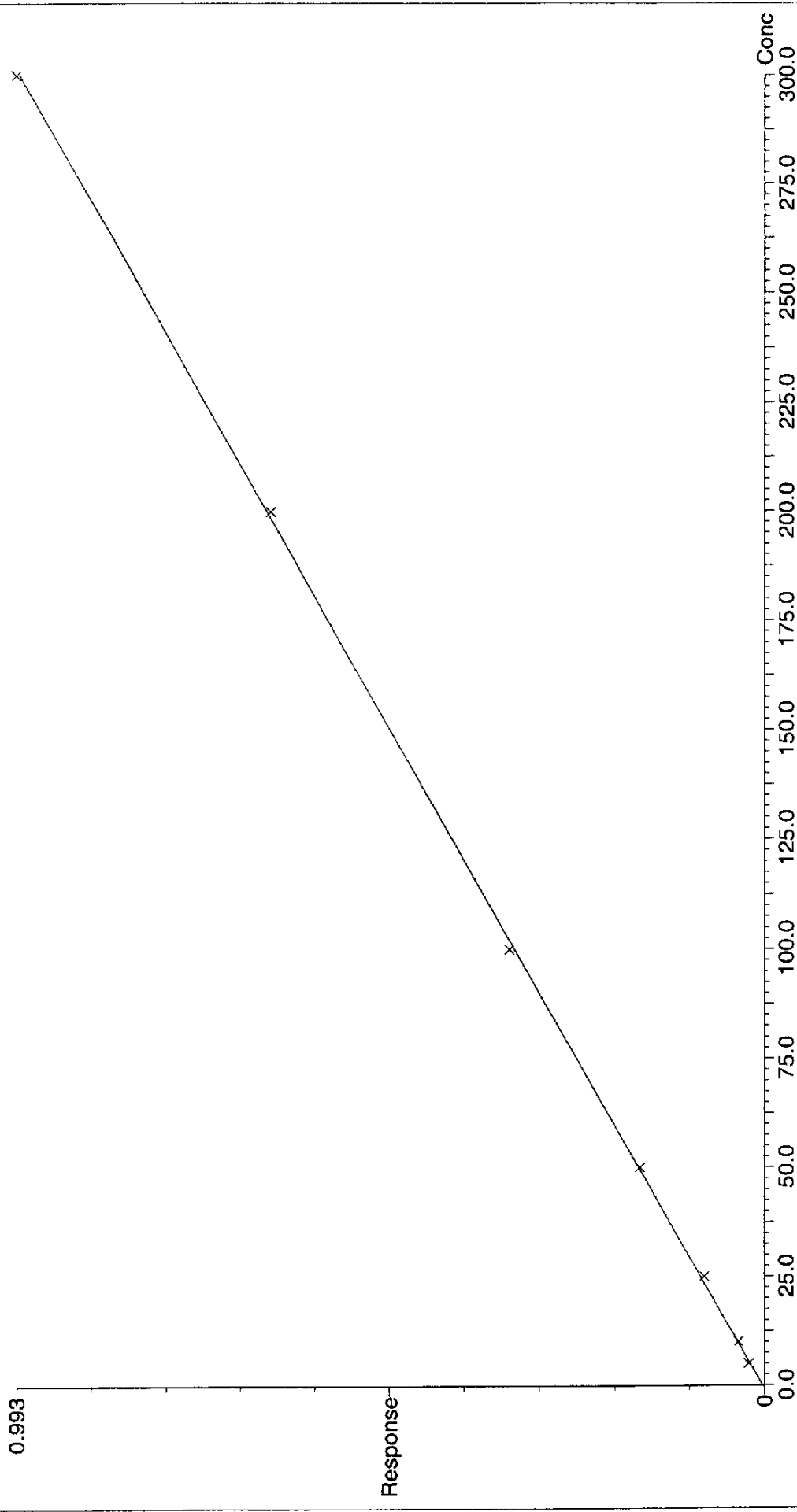


Analyst: Mark Dynarski

Quantify Calibration Report
Explosives Analysis
Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 8 name: Nitrobenzene-d5 Method File: ex24f08
Coefficient of Determination: 0.999839
Calibration curve: $0.00328550 * x + 0.00252420$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



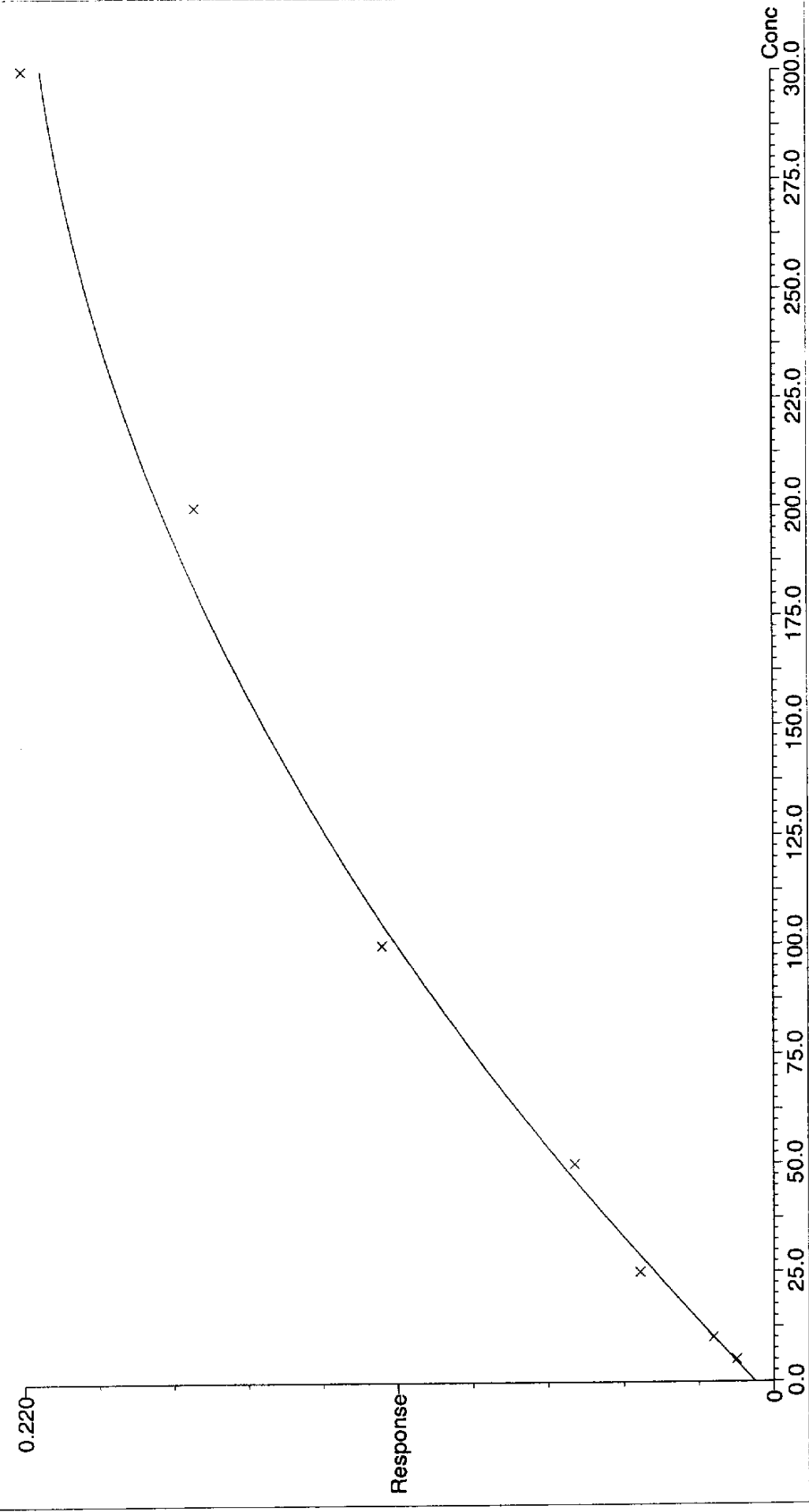
Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 9 name: Nitroglycerin Method File: ex24f08
Coefficient of Determination: 0.995185
Calibration curve: $-1.73726e-6 * x^2 + 0.00121701 * x + 0.00554784$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

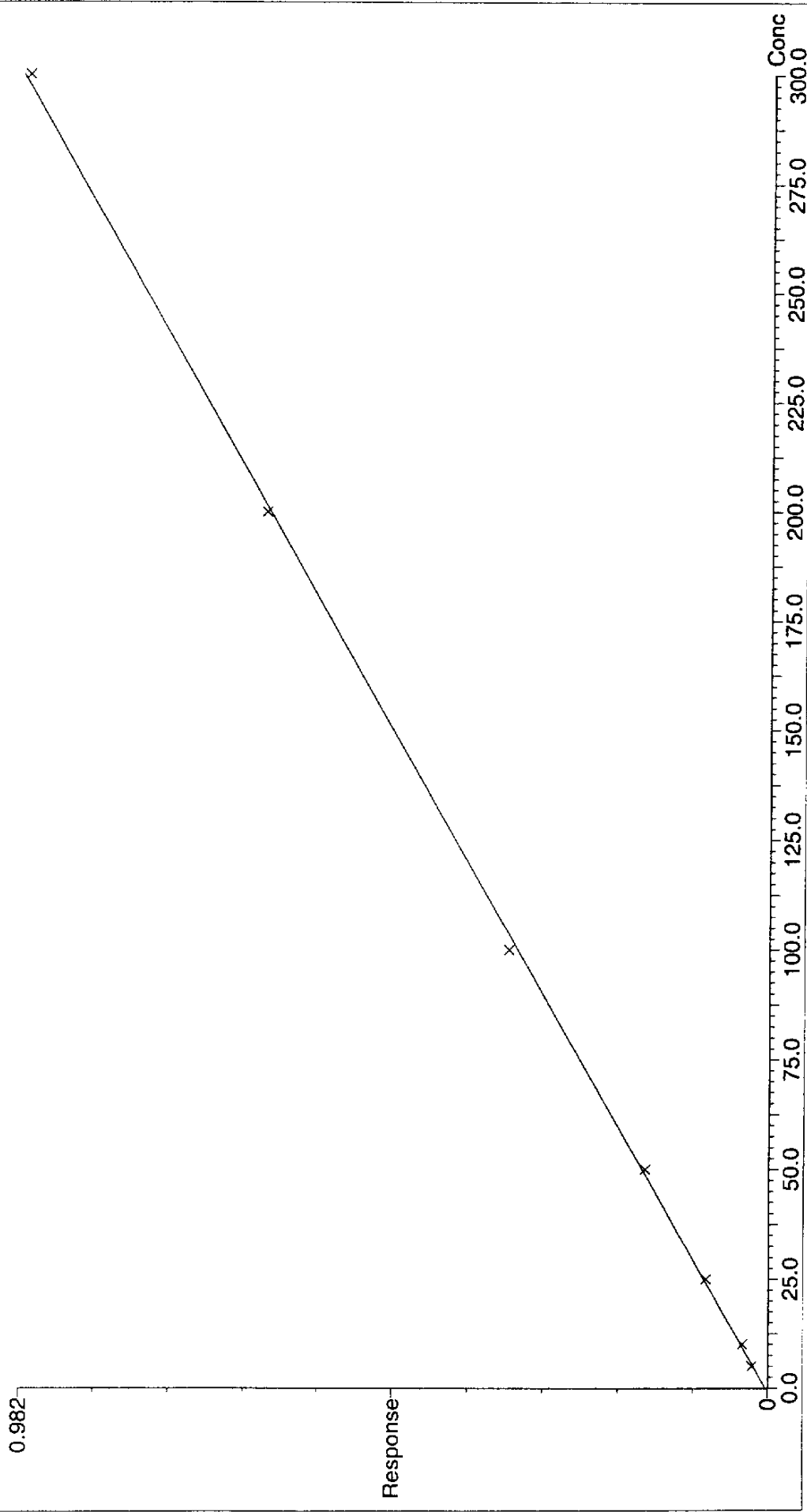


Analyst: Mark Dymarski

Calibration: C:\MassSpec\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 10 name: Nitrobenzene Method File: ex24f08
Coefficient of Determination: 0.999681
Calibration curve: $0.00326264 * x + 0.00287069$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



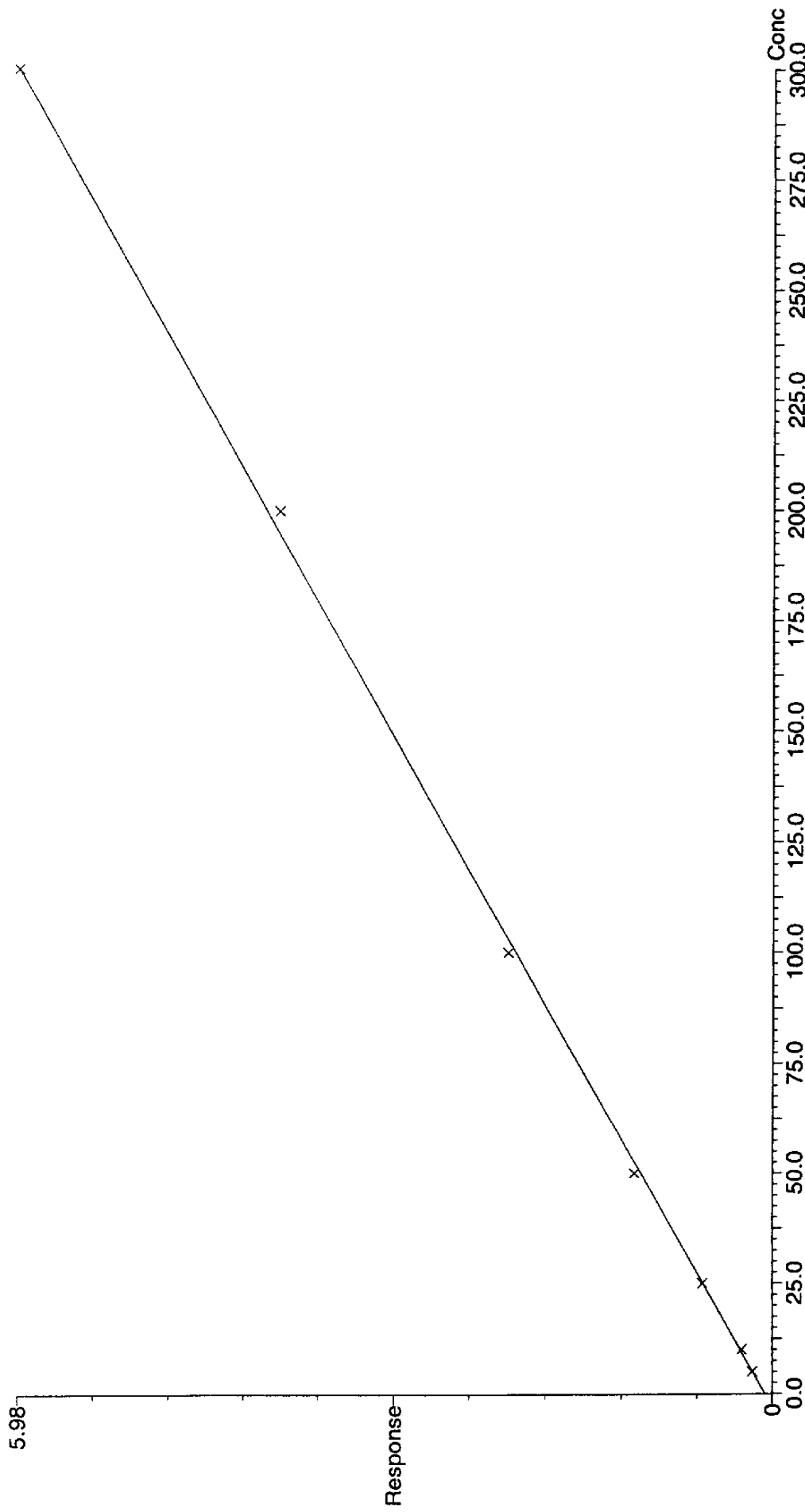
Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslyn\Explosives.PRO\Curves\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 11 name: 2,4,6-Trinitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999412
Calibration curve: $0.0197297 * x + 0.0572229$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dynarski

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:16:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

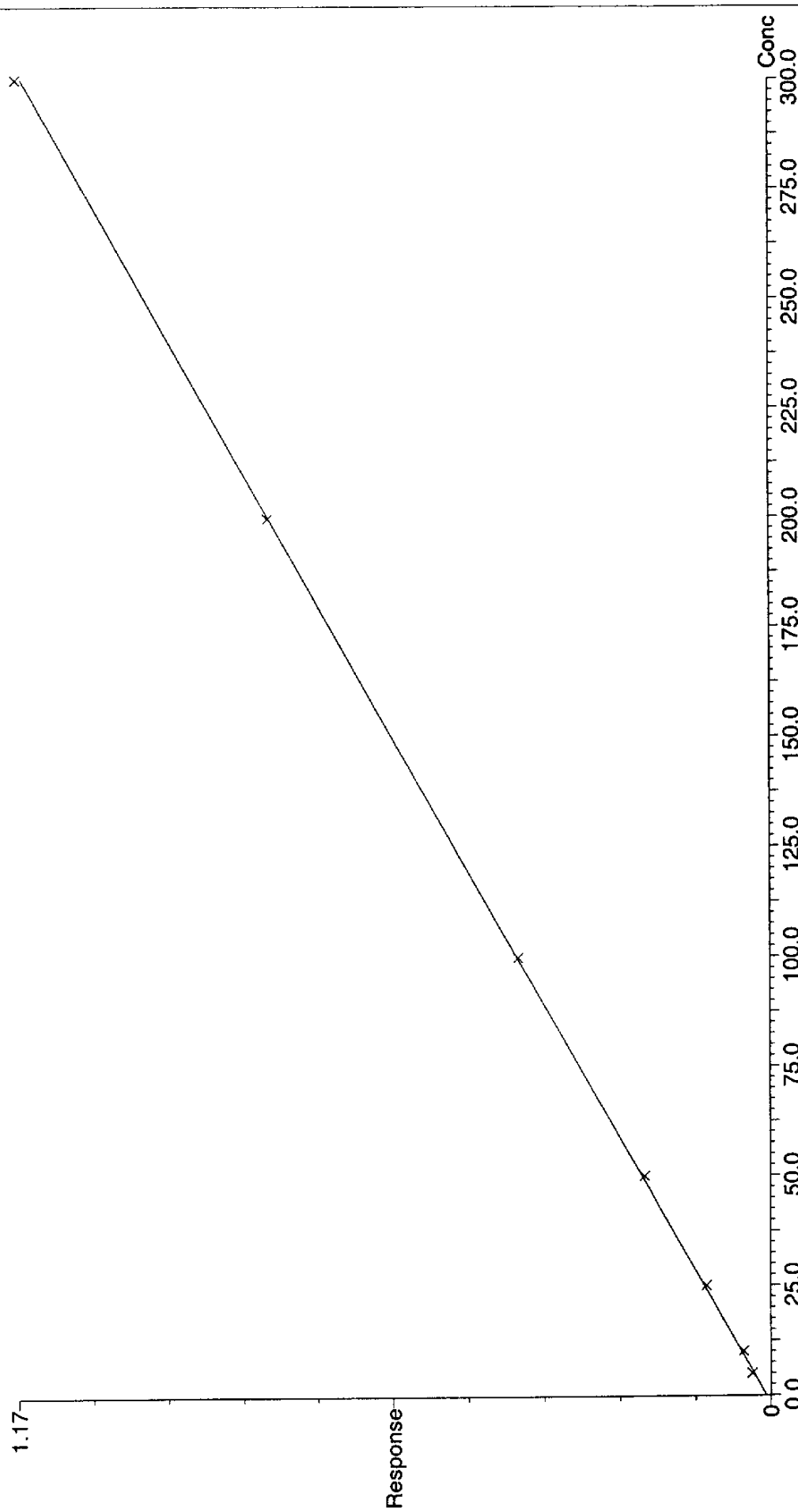
Compound 12 name: 4-Amino-2,6-dinitrotoluene Method File: ex24f08

Coefficient of Determination: 0.999892

Calibration curve: $0.00384779 * x + 0.00731589$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

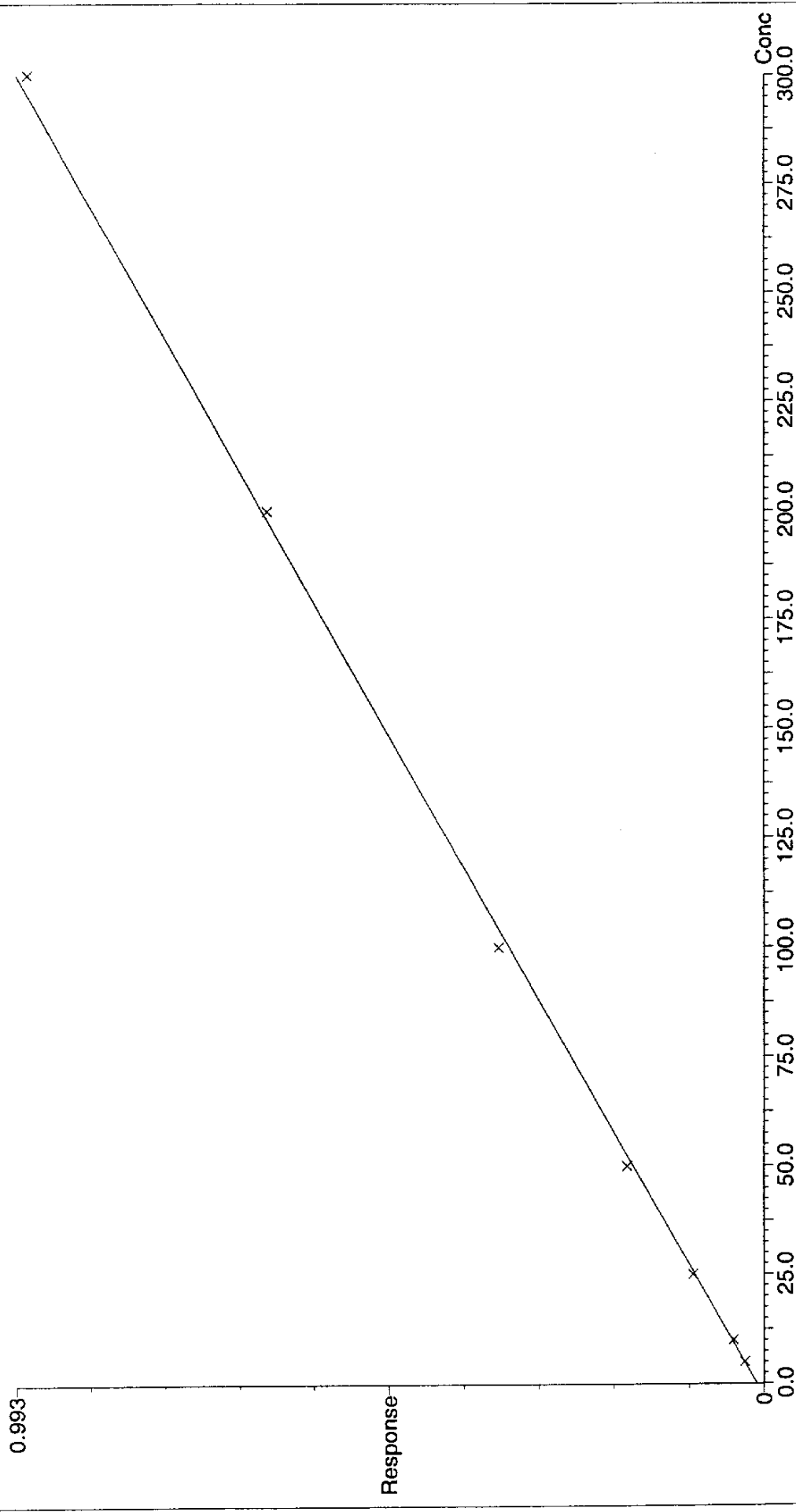
Compound 13 name: 2-Amino-4,6-dinitrotoluene Method File: ex24f08

Coefficient of Determination: 0.999315

Calibration curve: $0.00327828 * x + 0.00951427$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



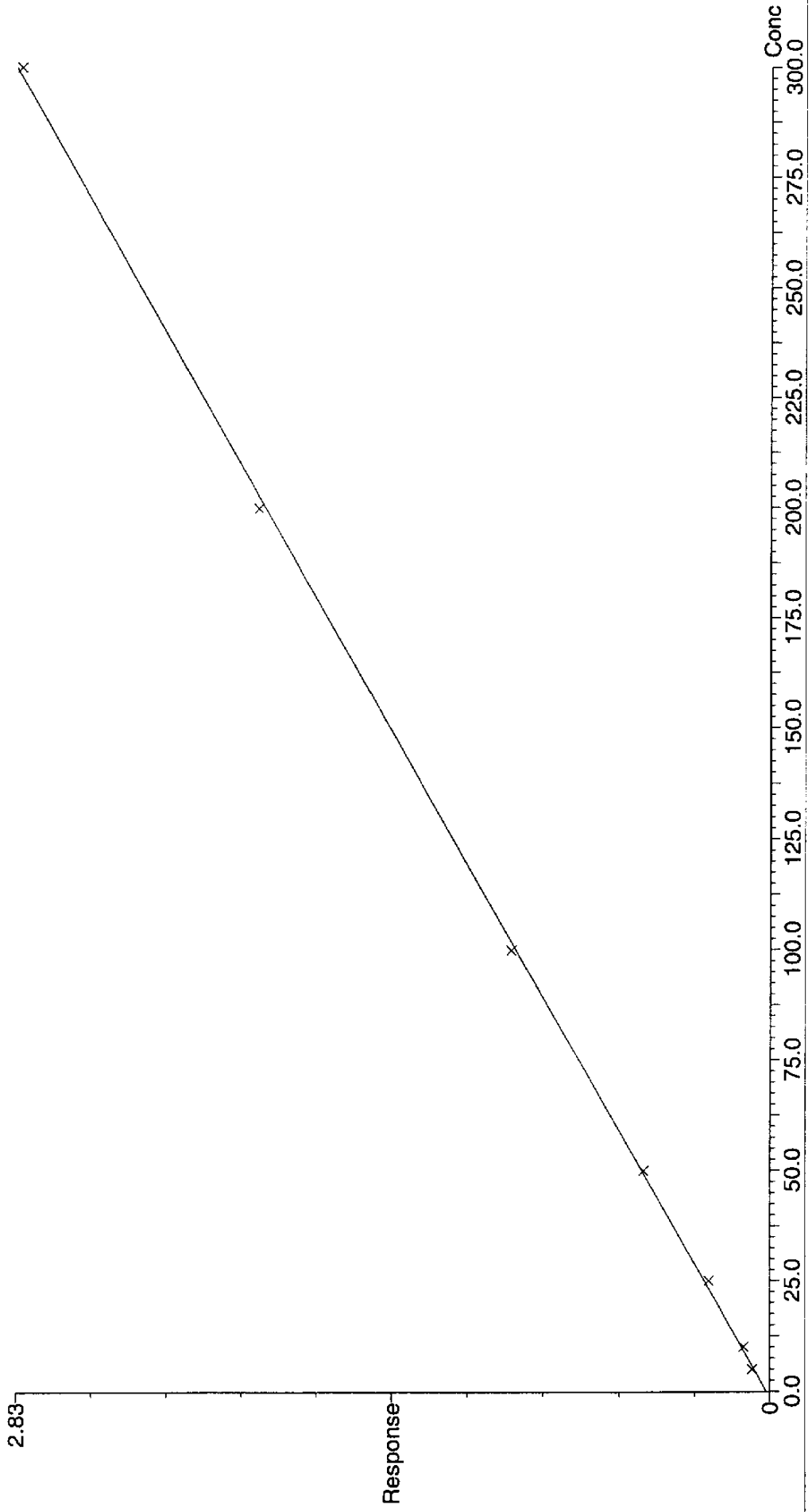
Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 14 name: 2,6-Dinitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999723
Calibration curve: $0.00939387 * x + 0.0126380$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

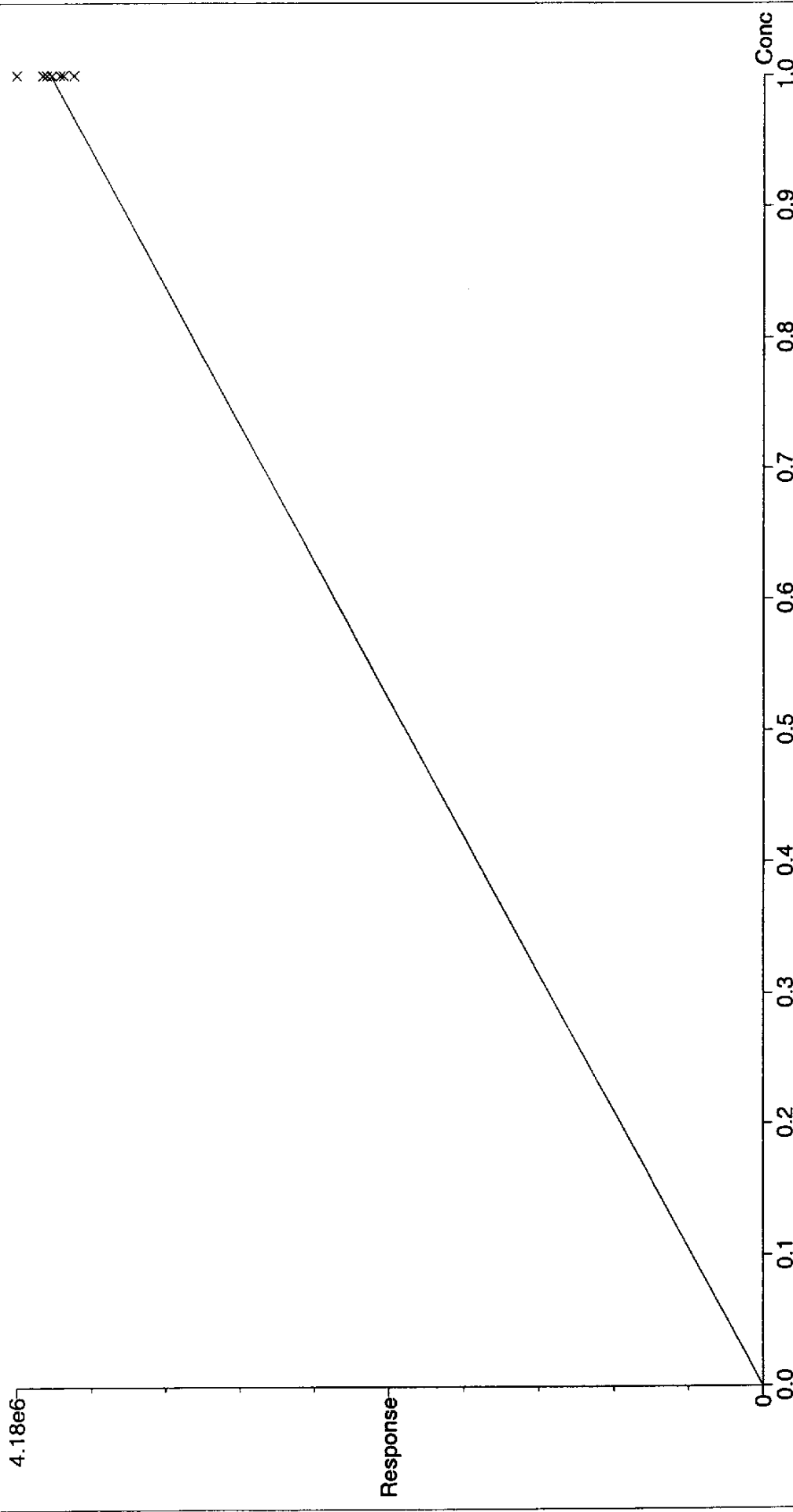
Compound 15 name: 2,4-Dinitrotoluene-d3 (IS) Method File: ex24f08

Response Factor: 3.98614e6

RRF SD: 103526, % Relative SD: 2.59715

Response type: External Std, Area

Curve type: RF



Analyst: Mark Dymarski

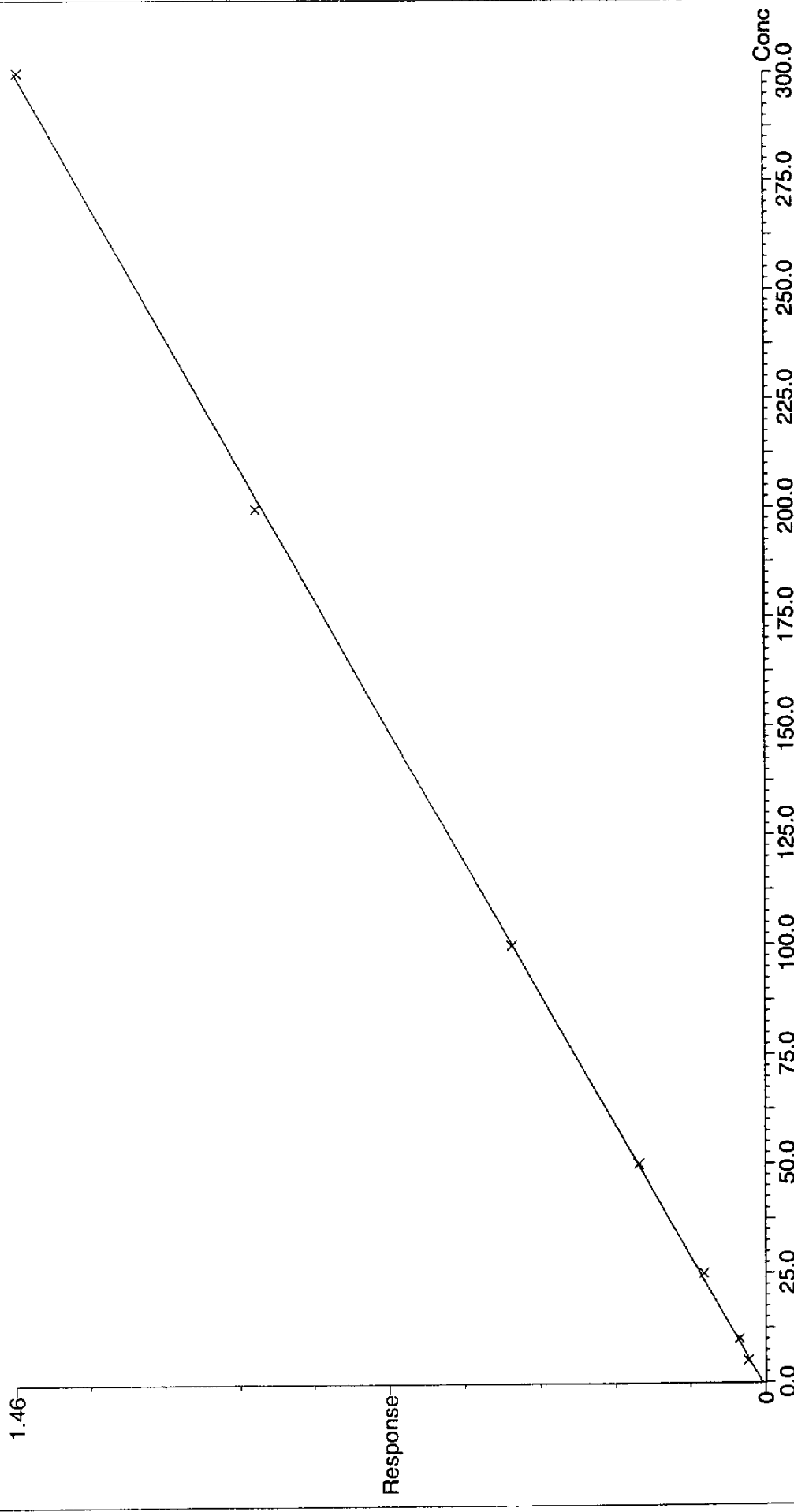
Quantify Calibration Report

Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\Curvedata\ex24f08
 Last modified: Tue Jun 08 14:18:01 2004
 Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 16 name: 2,4-Dinitrotoluene Method File: ex24f08
 Coefficient of Determination: 0.999823
 Calibration curve: $0.00484792 * x + 0.00610633$
 Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



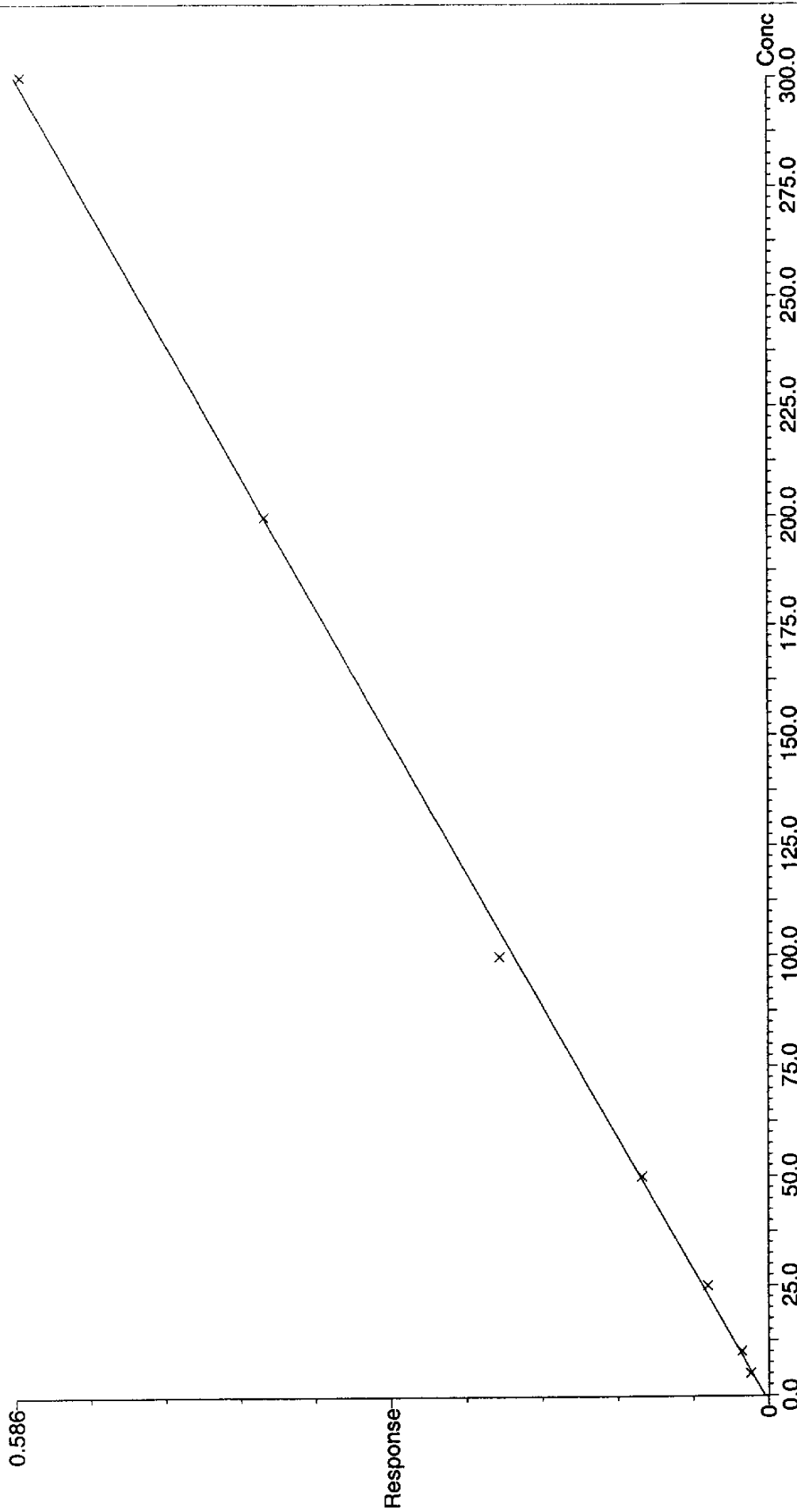
Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 17 name: 2-Nitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999376
Calibration curve: $0.00194543 * x + 0.00276058$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



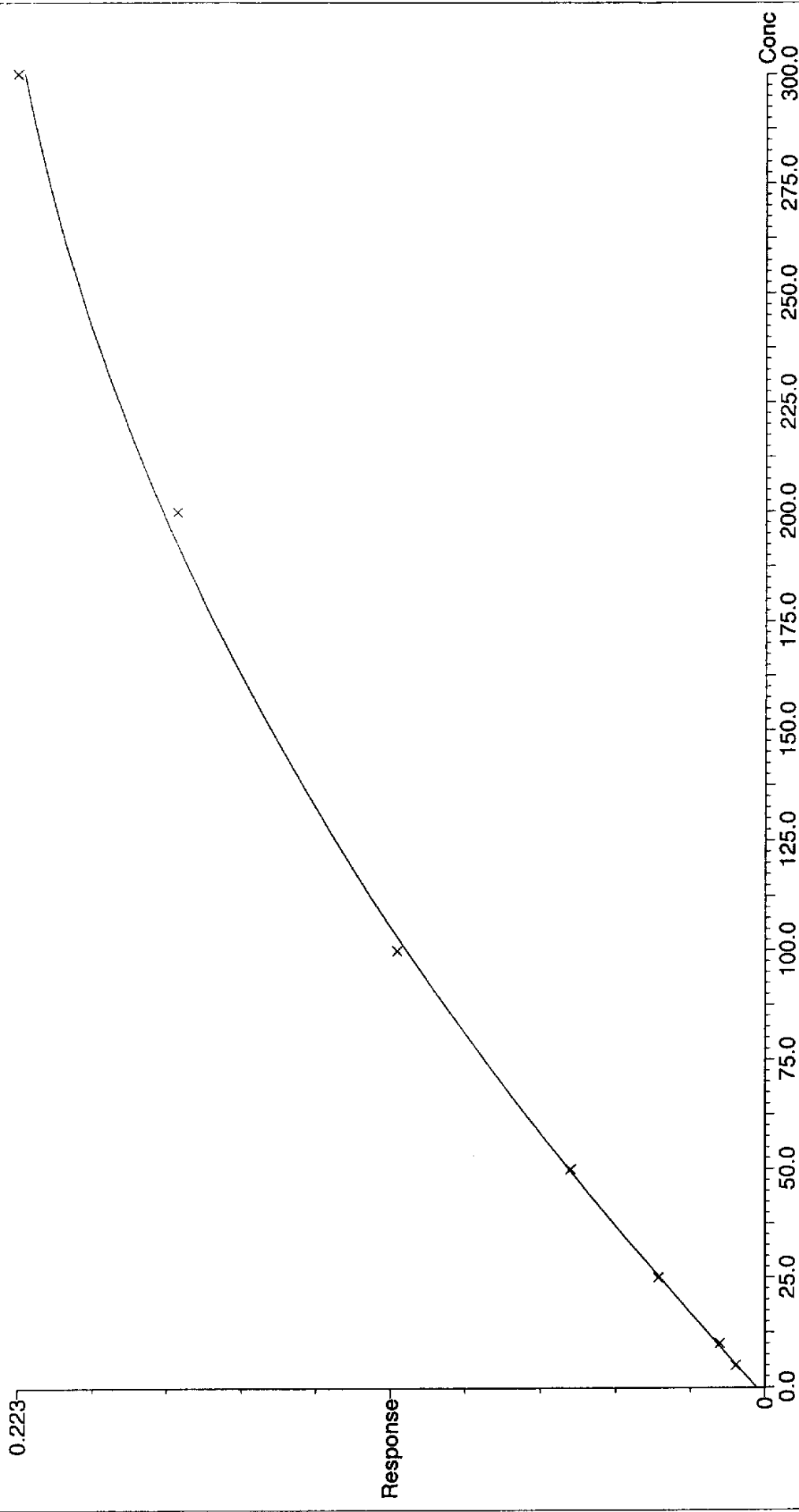
Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 18 name: PETN Method File: ex24f08
Coefficient of Determination: 0.999250
Calibration curve: $-1.57355e-6 * x^2 + 0.00120212 * x + 0.00240288$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



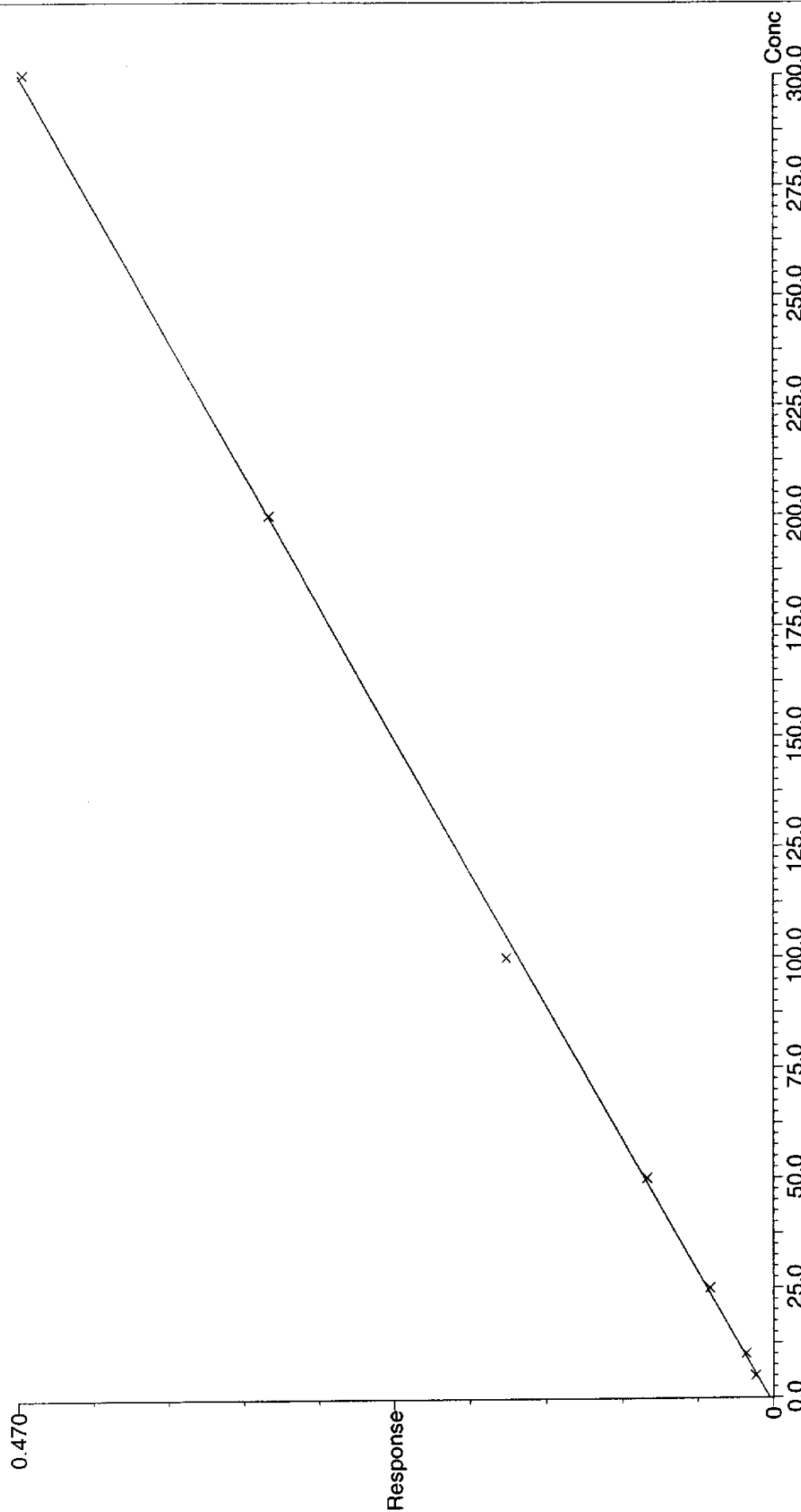
Analyst: Mark Dynarski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 19 name: 4-Nitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999580
Calibration curve: $0.00156067 * x + 0.00221084$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



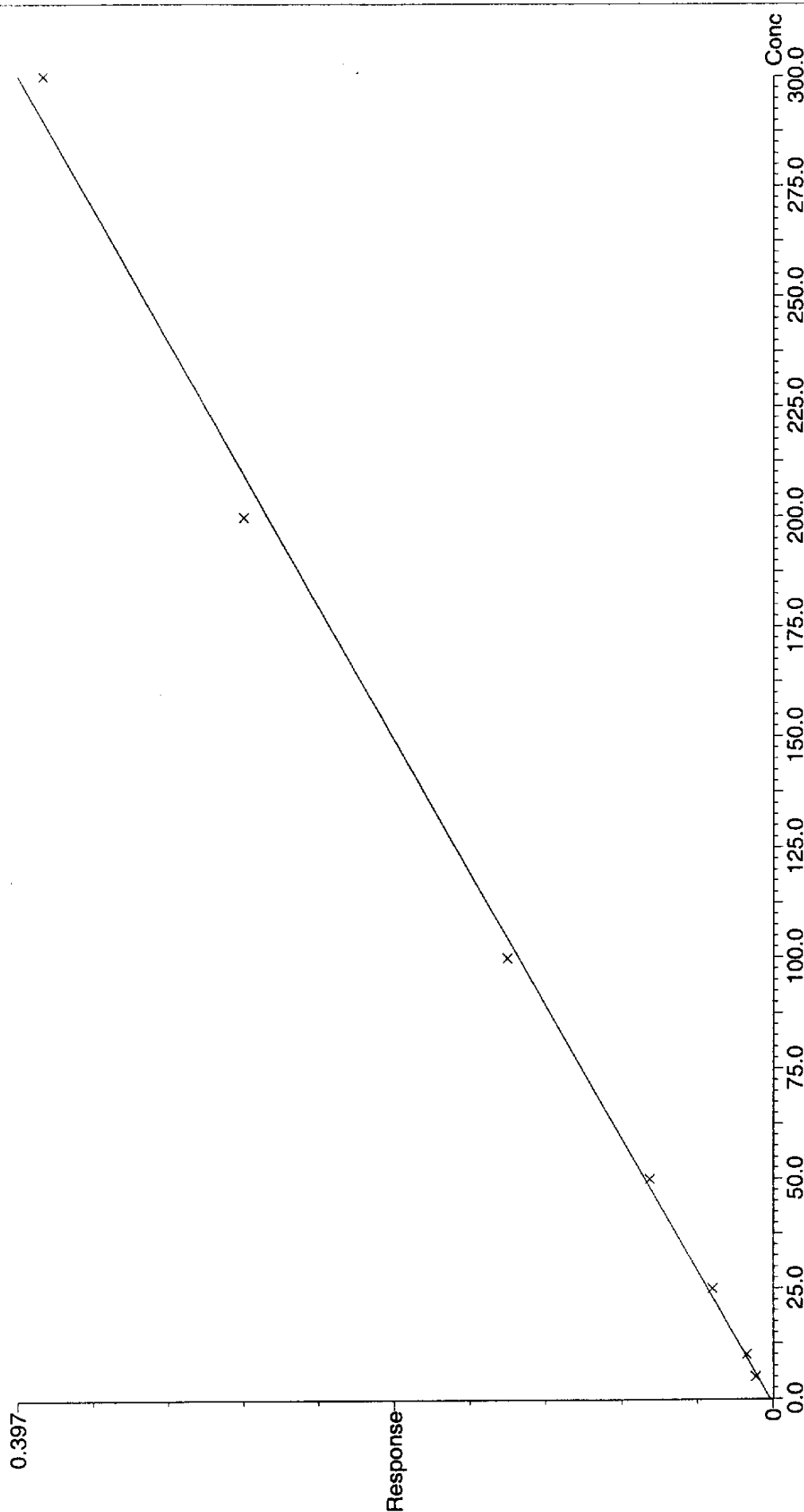
Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 20 name: 3-Nitrotoluene Method File: ex24f08
Coefficient of Determination: 0.996943
Calibration curve: $0.00131785 * x + 0.00148899$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



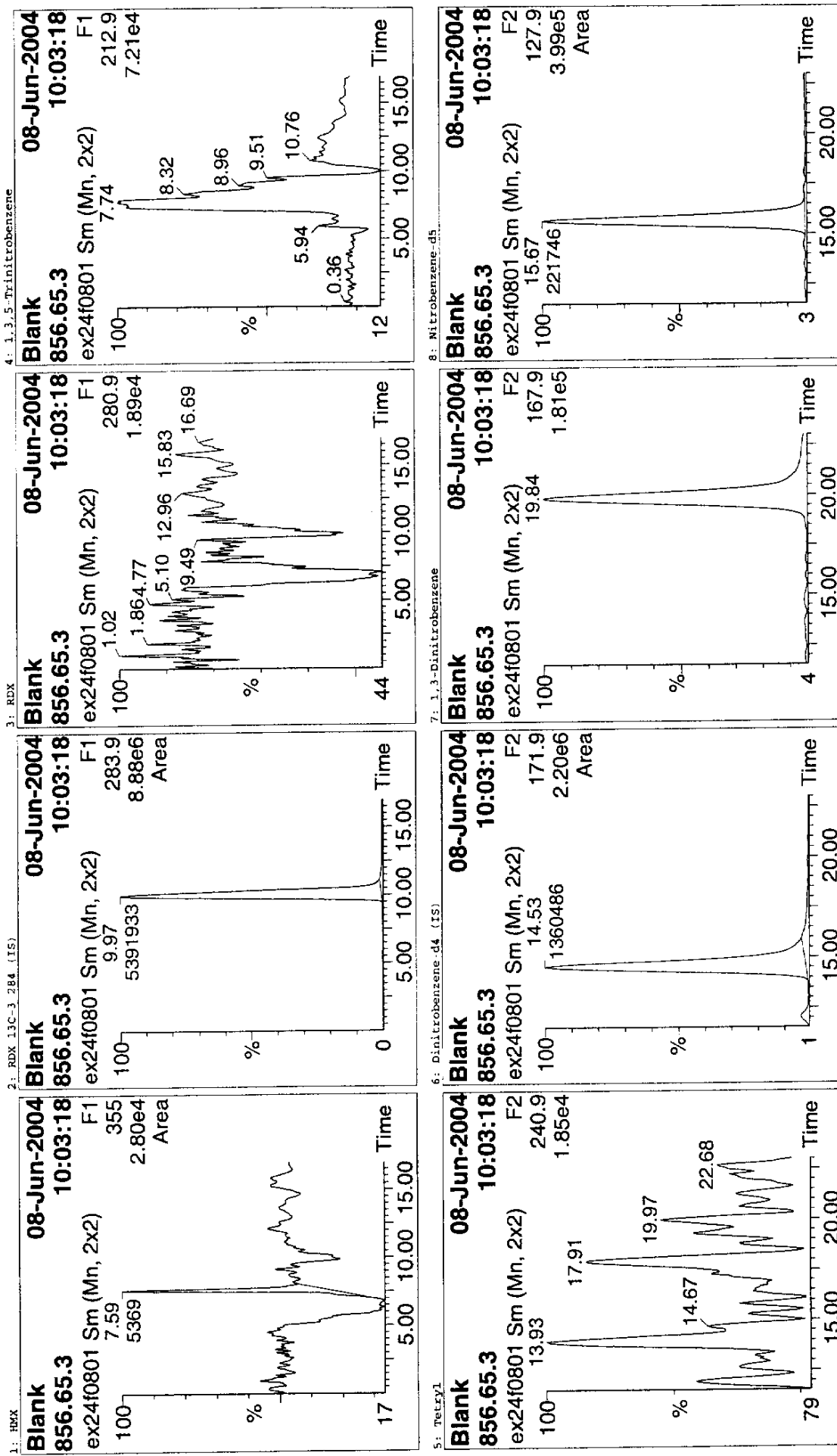
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives_PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0801
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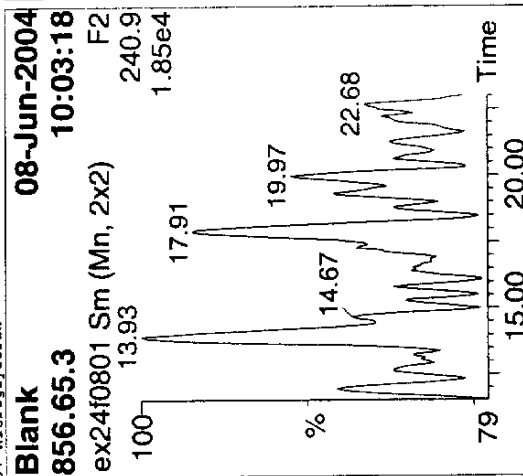
Quantify Sample Report
Explosives Analysis

Sample list: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

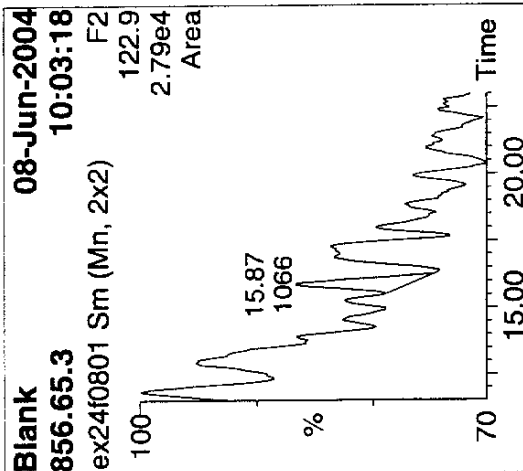
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0801
Test: Blank

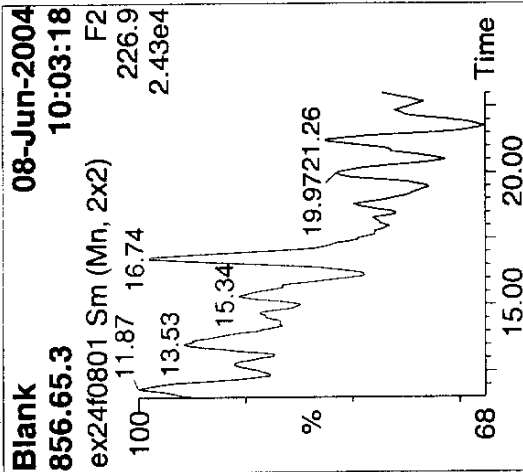
9: Nitroglycerin



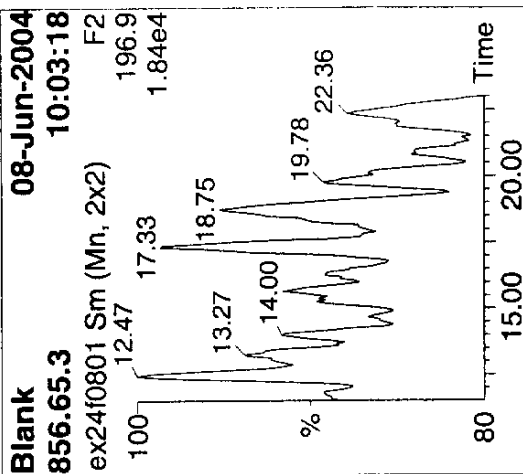
10: Nitrobenzene



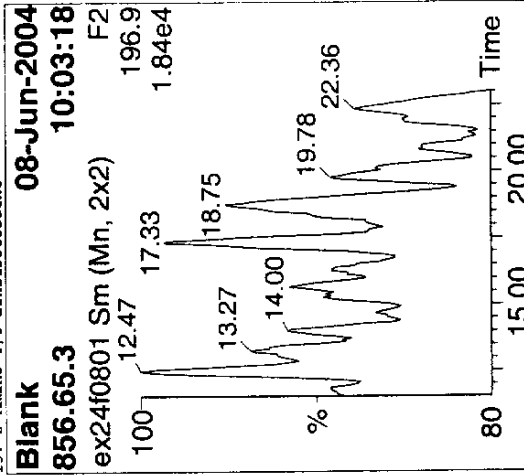
11: 2,4,6-Trinitrotoluene



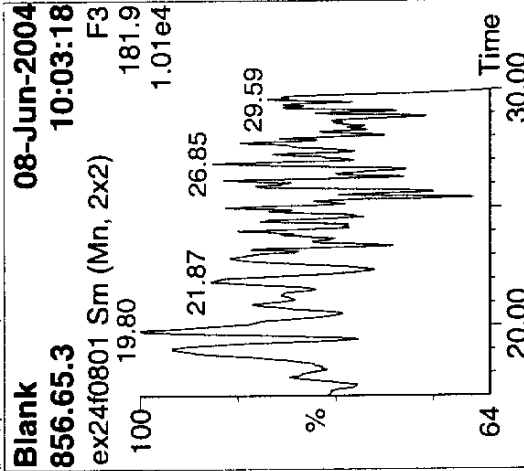
12: 4-Amino-2,6-dinitrotoluene



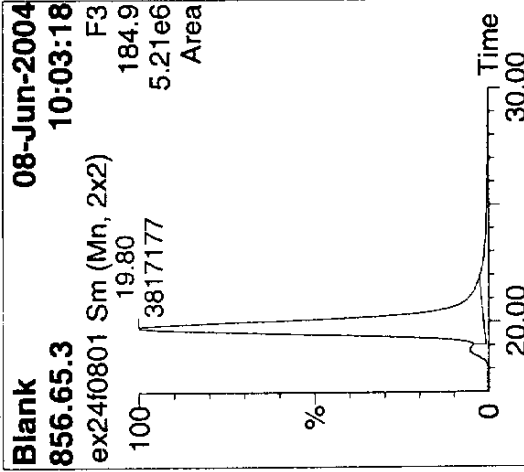
13: 2-Amino-4,6-dinitrotoluene



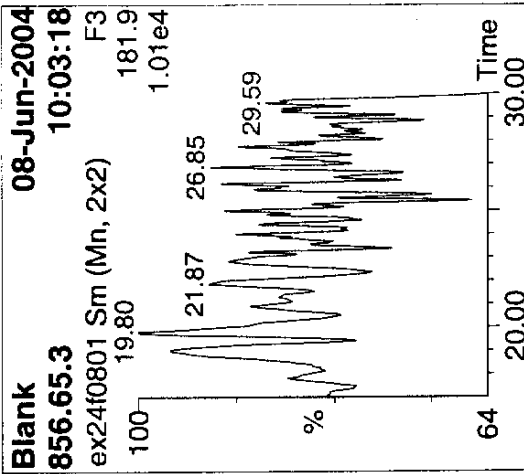
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene

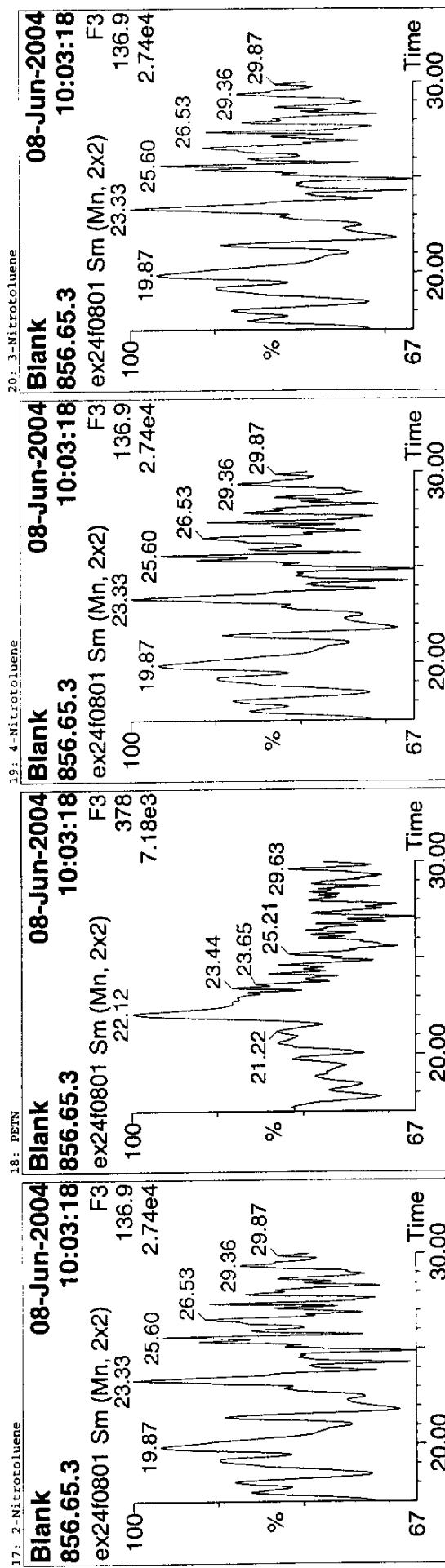


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f0801(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:56:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0801
Text: Blank



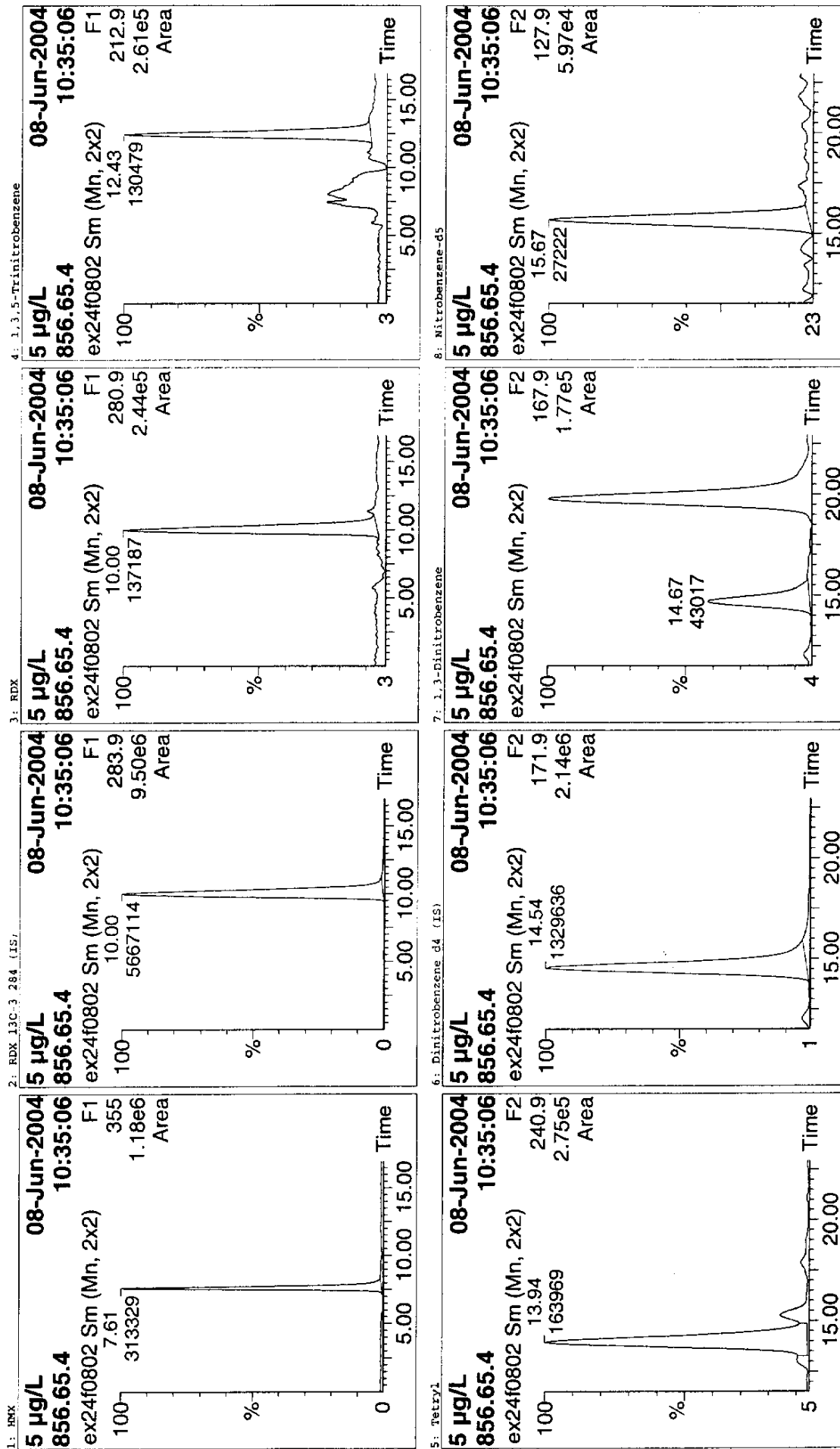
#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX	7.59	5369	5391933	0.001	bb	0.000					
2	RDX 13C-3 284 (IS)	9.97	5391933	5391933	0.001	bb	1.046	104.63				
3	RDX			5391933								
4	1,3,5-Trinitrobenzene			1360486								
5	Tetryl			1360486								
6	Dinitrobenzene-d4 (IS)	14.53	1360486	1360486	0.163	bb	1.004	100.41				
7	1,3-Dinitrobenzene	15.67	221746	1360486	0.163	bb	48.841	97.68				
8	Nitrobenzene-d5			1360486								
9	Nitroglycerin	15.87	1066	1360486	0.001	bb	0.000					
10	Nitrobenzene			1360486								
11	2,4,6-Trinitrotoluene			3817177								
12	4-Amino-2,6-dinitrotoluene			3817177								
13	2-Amino-4,6-dinitrotoluene			3817177								
14	2,6-Dinitrotoluene			3817177								
15	2,4-Dinitrotoluene-d3 (IS)	19.80	3817177	3817176	0.958	db	95.76					
16	2,4-Dinitrotoluene			3817177								
17	2-Nitrotoluene			3817177								
18	PETN			3817177								
19	4-Nitrotoluene			3817177								
20	3-Nitrotoluene			3817177								

Analyst: Mark Dymerski

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f0802 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0802
Text: 5 µg/L



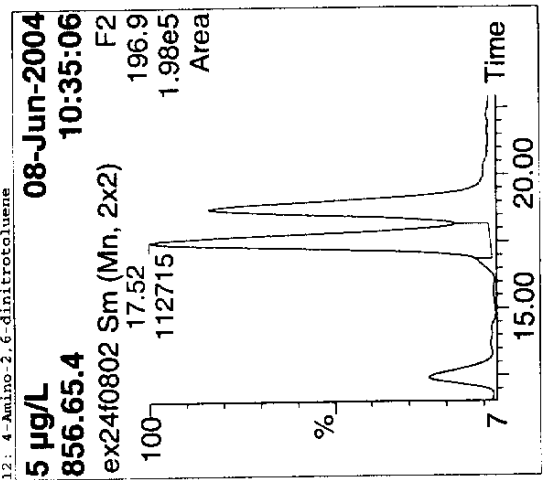
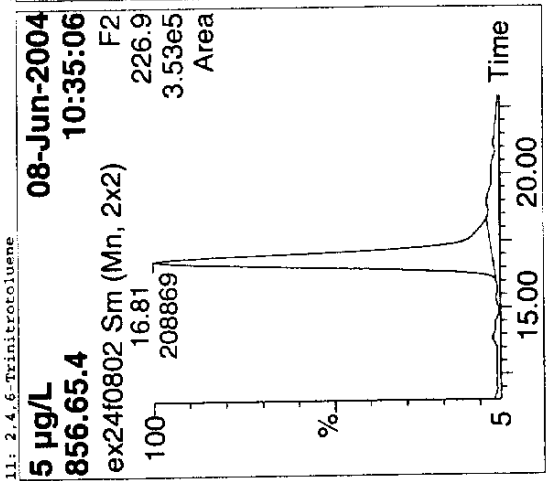
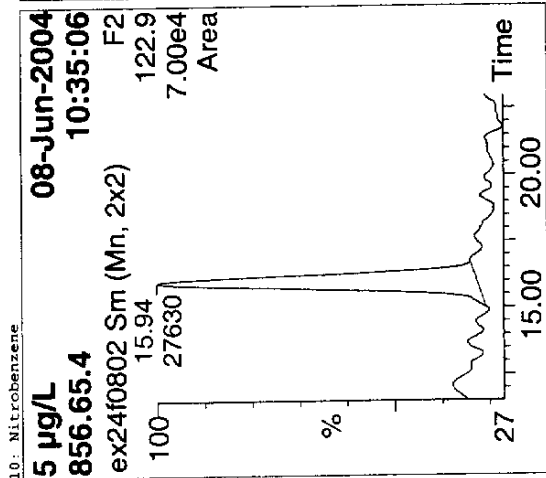
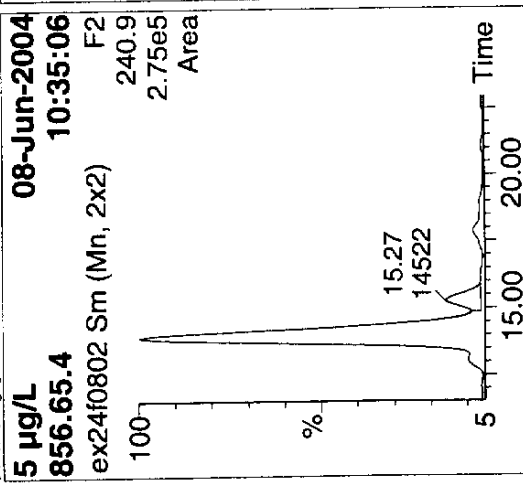
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

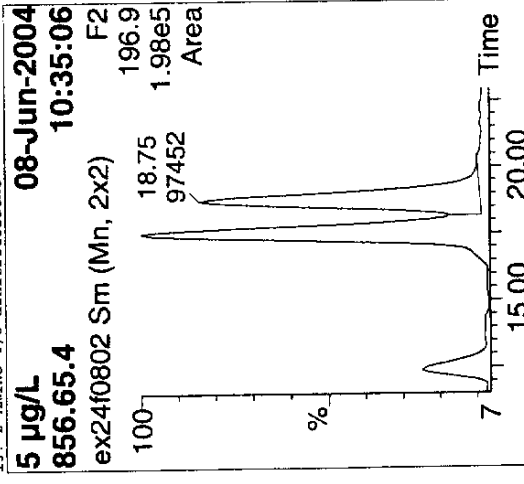
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0802
Test: 5 µg/L

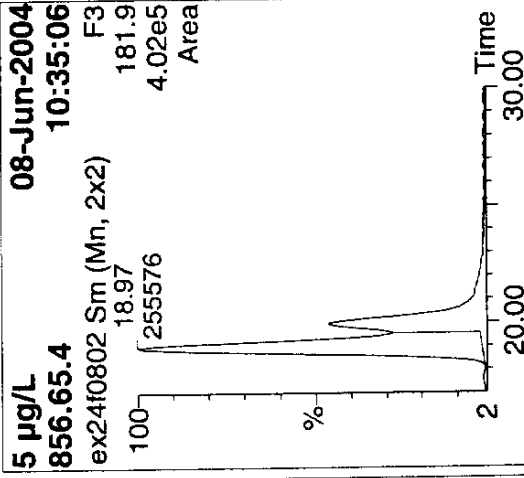
9: Nitroglycerin



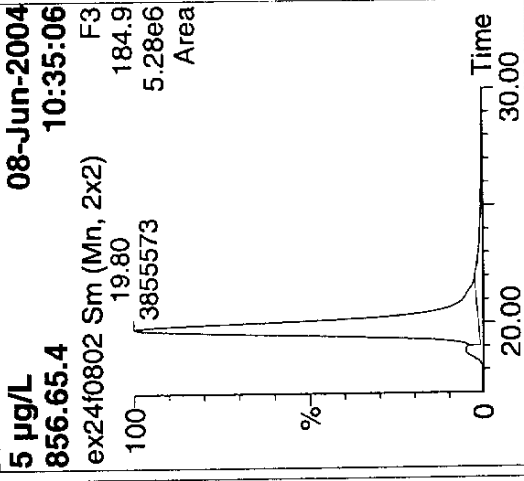
13: 2-Amino-4,6-dinitrotoluene



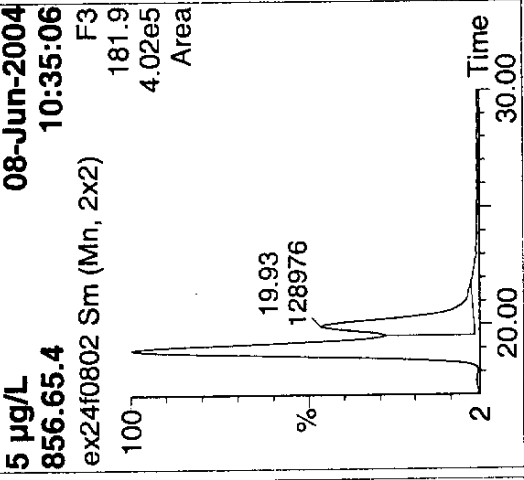
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene

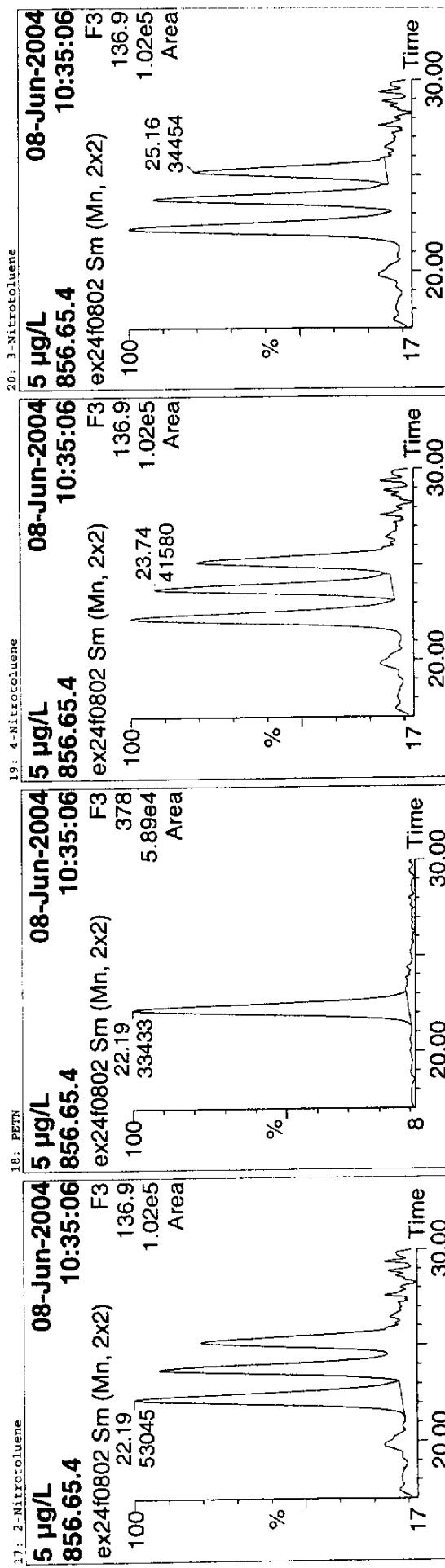


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0802
Text: 5 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	FMX	7.61	31329	5667114	0.055	bb	4.275	85.49		
2	RDX 13C-3 284 (IS)	10.00	5667114	5667114	0.024	bb	1.100	109.97		
3	RDX	10.00	137187	1329636	0.098	bb	5.023	100.46		
4	1,3,5-Trinitrobenzene	12.43	130479	1329636	0.123	dd	5.325	106.50		
5	Tetryl	13.94	163969	1329636	0.032	bb	5.461	109.21		
6	Dinitrobenzene-d4 (IS)	14.54	1329636	1329636	0.021	bb	0.981	98.13		
7	1,3-Dinitrobenzene	14.67	43017	1329636	0.020	bb	5.555	111.11		
8	Nitrobenzene-d5	15.27	27222	1329636	0.011	db	5.463	109.26		
9	Nitroglycerin	15.94	27630	1329636	0.021	bb	4.444	88.88		
10	Nitrobenzene	16.81	208869	1329636	0.157	bb	5.489	109.79		
11	2,4,6-Trinitrotoluene	17.52	112715	3855573	0.029	dd	5.062	101.23		
12	4-Amino-2,6-dinitrotoluene	18.75	97452	3855573	0.025	db	5.696	113.93		
13	2-Amino-4,6-dinitrotoluene	18.97	255576	3855573	0.066	bd	4.808	96.16		
14	2,6-Dinitrotoluene	19.81	385573	3855573	0.033	db	5.711	114.22		
15	2,4-Dinitrotoluene d3 (IS)	19.93	128976	3855573	0.014	bd	0.967	96.72		
16	2,4-Dinitrotoluene	19.93	53045	3855573	0.009	bb	5.641	112.81		
17	2-Nitrotoluene	22.19	33433	3855573	0.009	bb	5.653	113.06		
18	PETN	22.19	33433	3855573	0.011	dd	5.251	105.01		
19	4-Nitrotoluene	23.74	41580	3855573	0.009	db	5.493	109.87		
20	3-Nitrotoluene	25.16	34454	3855573	0.009	db	5.651	113.02		

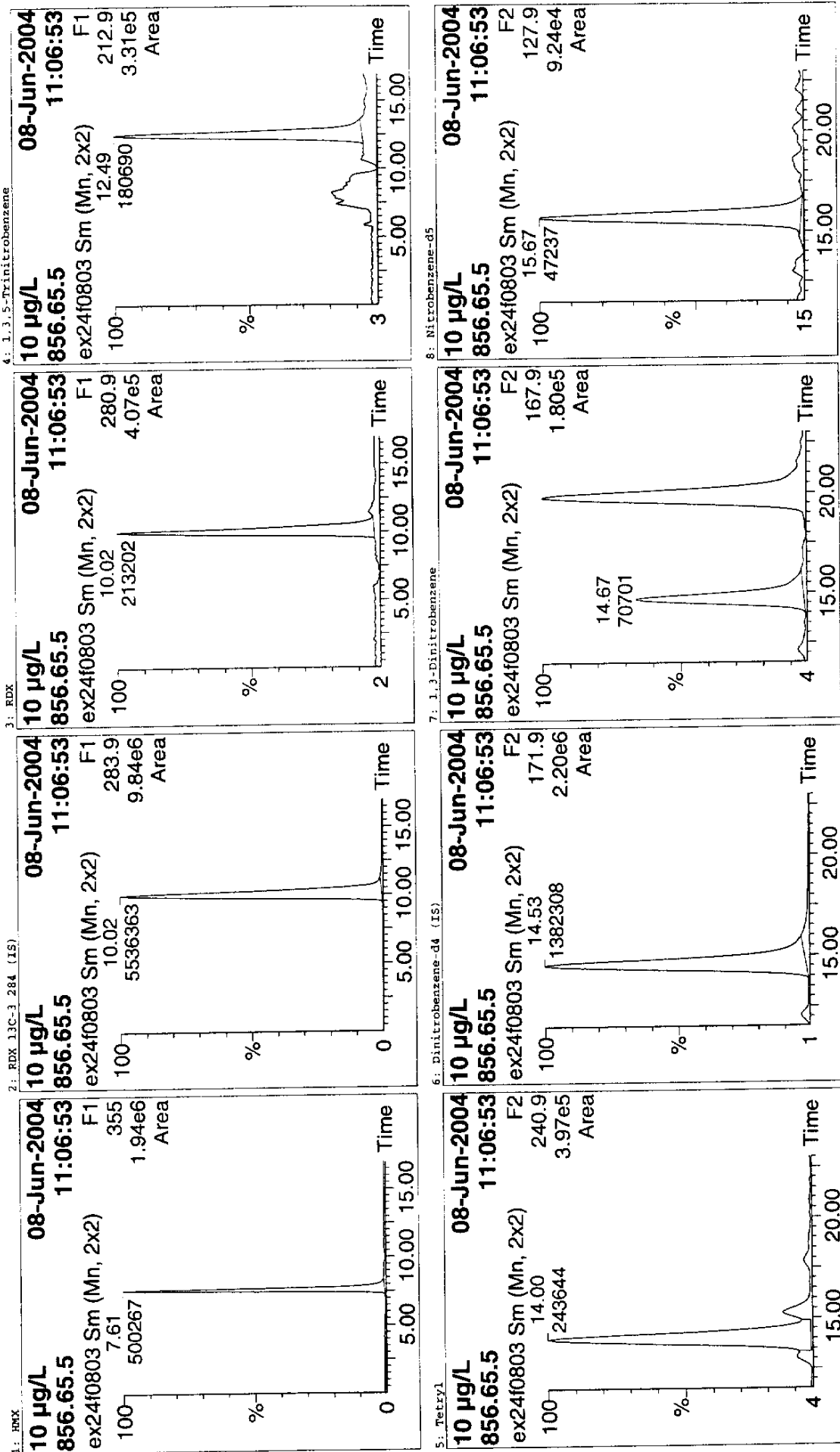
Analyst: Mark Dymerski

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives\PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0803
 Text: 10 µg/L

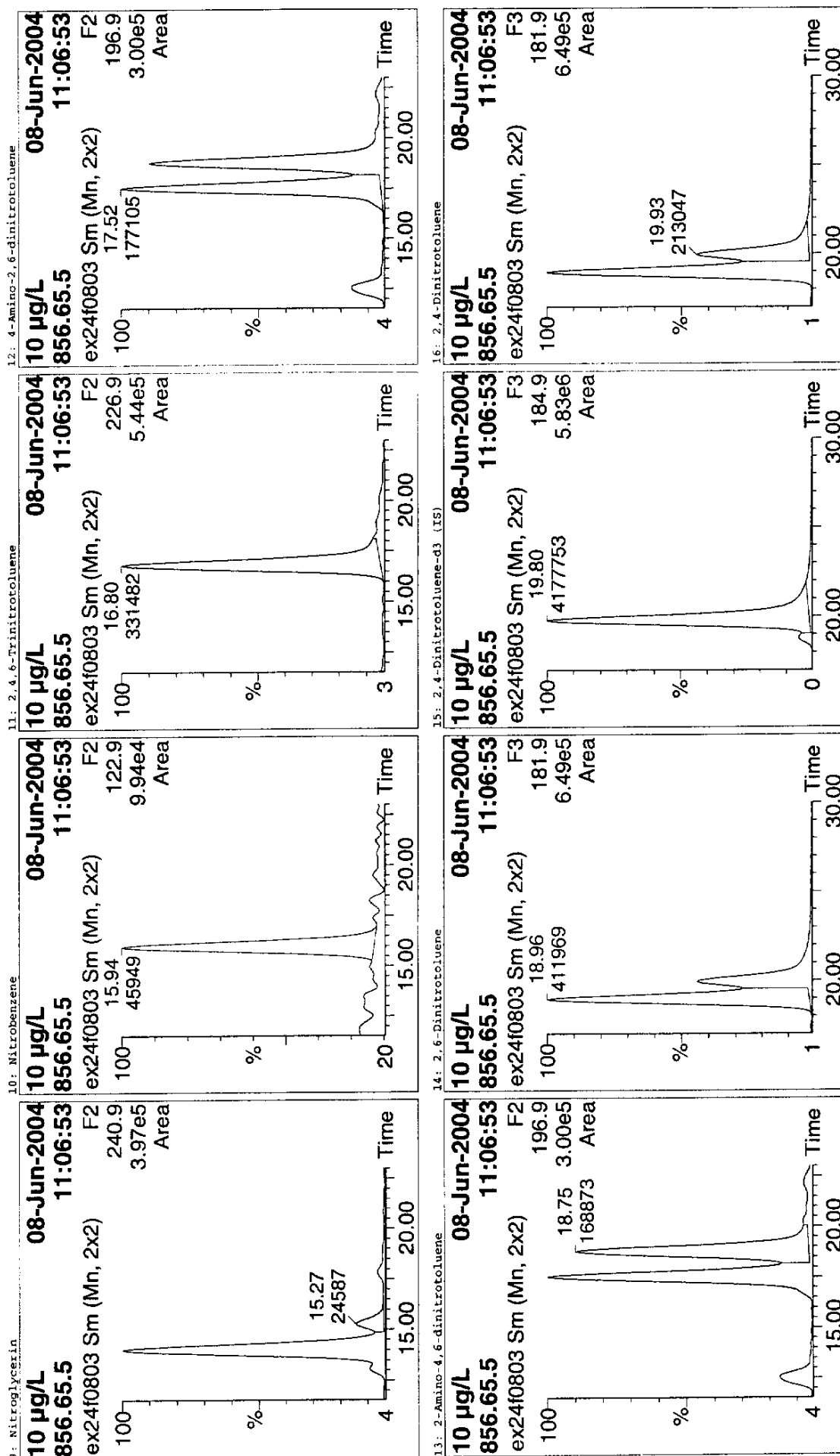


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0803
Text: 10 µg/L



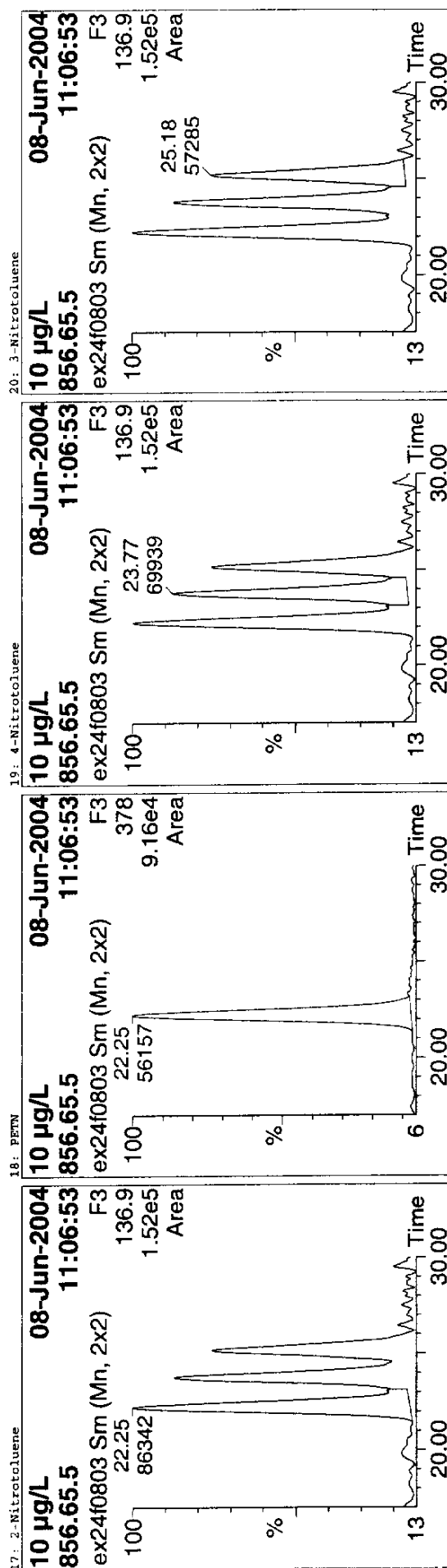
Analyst: Mark Dymarski

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0803
 Text: 10 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	HMX	7.61	500267	5536363	0.090	bb	11.095	110.95		
2	RDX 13C-3 284 (IS)	10.02	5536363	5536363	0.039	bb	1.074	107.43		
3	RDX	10.02	213202	5536363	0.039	bb	9.476	94.76		
4	1,3,5-Trinitrobenzene	12.49	180690	1382308	0.131	bb	9.046	90.46		
5	Tetryl	14.00	243644	1382308	0.176	dd	8.913	89.13		
6	Dinitrobenzene-d4 (IS)	14.53	1382308	1382308	0.051	bb	1.020	102.02		
7	1,3-Dinitrobenzene	14.67	70701	1382308	0.034	bb	9.554	95.54		
8	Nitrobenzene-d5	15.67	47237	1382308	0.018	ds	9.633	96.33		
9	Nitroglycerin	15.27	24587	1382308	0.033	bb	10.206	102.06		
10	Nitrobenzene	15.94	45949	1382308	0.042	bd	9.308	93.08		
11	2,4,6-Trinitrotoluene	16.80	331482	1382308	0.240	bs	9.254	92.54		
12	4-Amino-2,6-dinitrotoluene	17.52	177105	4177753	0.040	dd	9.116	91.16		
13	2-Amino-4,6-dinitrotoluene	18.75	168873	4177753	0.099	bd	9.428	94.28		
14	2,6-Dinitrotoluene	18.96	411969	4177753	0.051	db	9.152	91.52		
15	2,4-Dinitrotoluene-d3 (IS)	19.80	4177753	4177753	0.051	db	1.048	104.81		
16	2,4-Dinitrotoluene	19.93	213047	4177753	0.021	bd	9.259	92.59		
17	2-Nitrotoluene	22.25	86342	4177753	0.013	bb	9.204	92.04		
18	PETN	22.75	56157	4177753	0.017	dd	9.296	92.96		
19	4-Nitrotoluene	23.77	69939	4177753	0.014	db	9.310	93.10		
20	3-Nitrotoluene	25.18	57285	4177753			9.275	92.75		

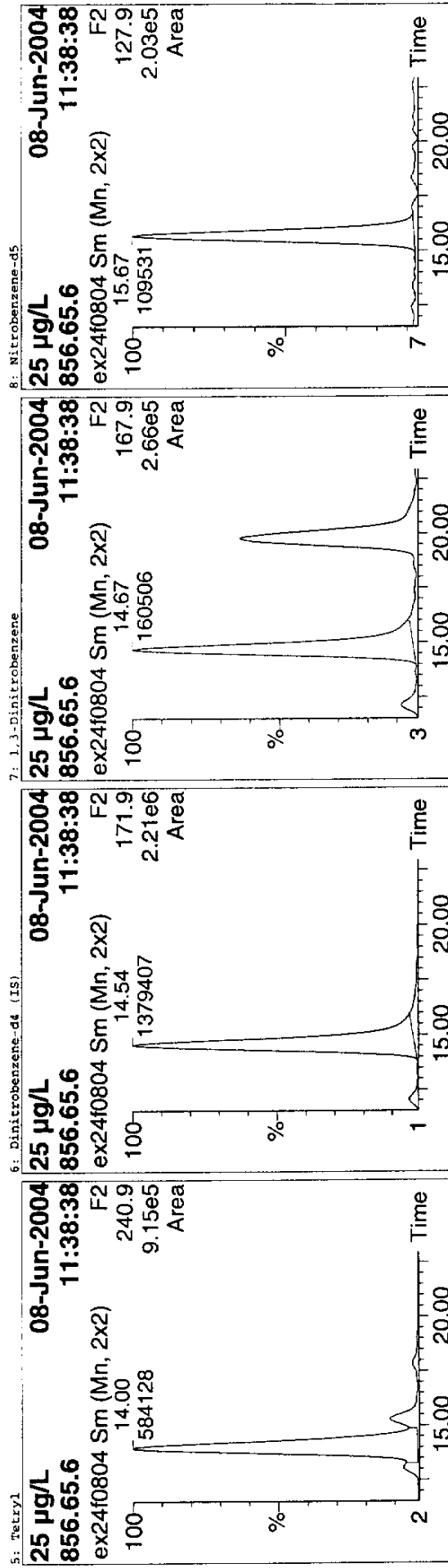
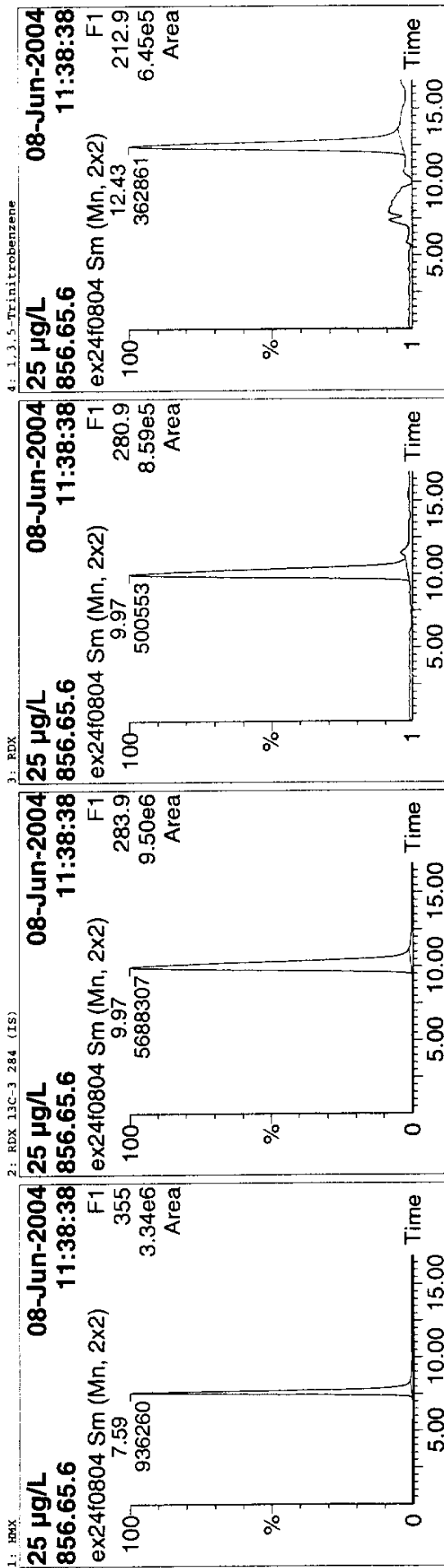
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynw\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynw\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0804
Text: 25 µg/L



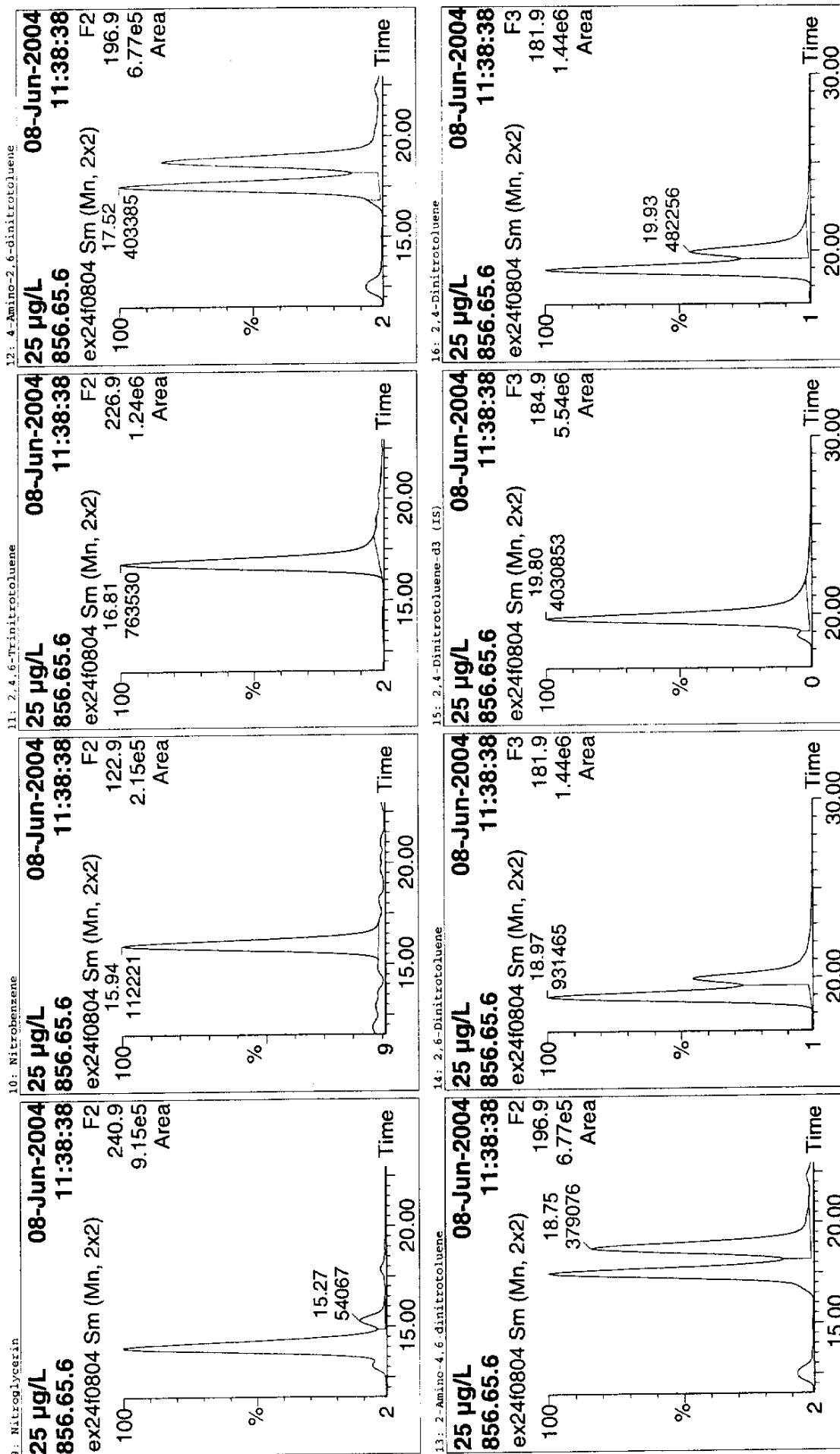
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:56:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0804
Text: 25 µg/L

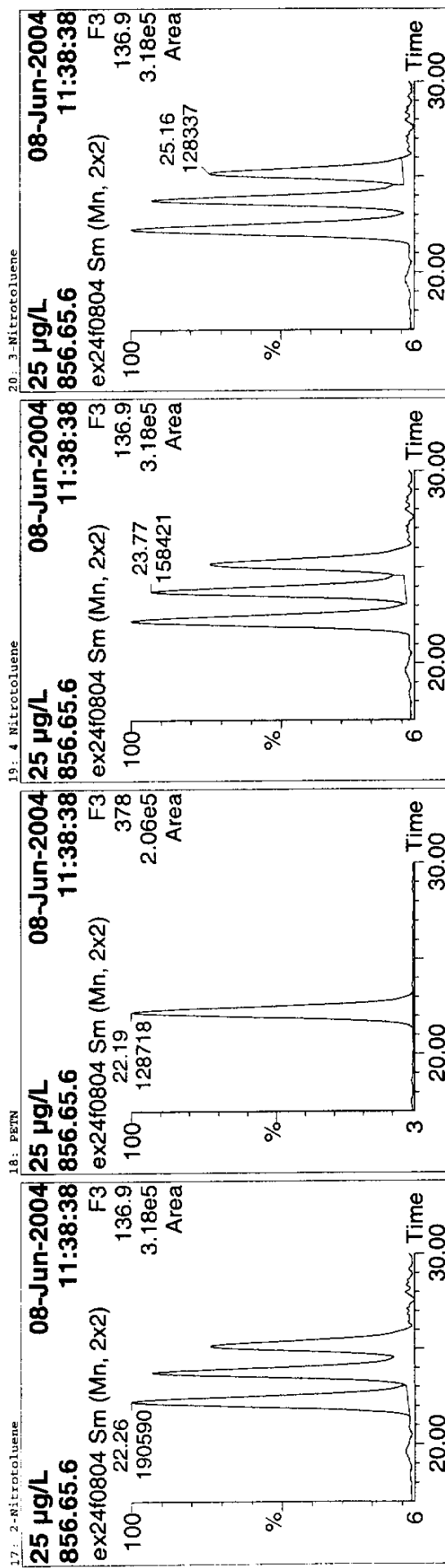


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0804
Text: 25 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	Rec	Mod.	Date	Mod.	Comment
1	HMX	7.59	936260	5688307	0.165	bb	25.974	103				
2	RDx 11C-3 284 (IS)	9.97	5688307	5688307	0.088	bb	1.104	110				
3	RDx	9.97	500553	5688307	0.088	bb	24.884	99				
4	1,3,5-Trinitrobenzene	12.43	362861	1379407	0.263	bb	24.302	97				
5	Tetryl	14.00	584128	1379407	0.423	dd	25.240	100				
6	Dinitrobenzene-d4 (IS)	14.54	1379407	1379407	0.116	bb	1.018	101				
7	1,3-Dinitrobenzene	14.67	160506	1379407	0.079	bb	23.430	93				
8	Nitrobenzene-d5	15.67	109531	1379407	0.039	ds	23.400	93				
9	Nitroglycerin	15.27	54067	1379407	0.081	bb	28.835	115				
10	Nitrobenzene	15.94	112221	1379407	0.554	bb	24.055	96				
11	2,4,6-Trinitrotoluene	16.81	763530	1379407	0.100	dd	25.155	100				
12	4-Amino-2,6-dinitrotoluene	17.52	403385	4030853	0.094	db	24.107	96				
13	2-Amino-4,6-dinitrotoluene	18.75	379076	4030853	0.231	bd	25.785	103				
14	2,6-Dinitrotoluene	18.97	931465	4030853	0.120	db	23.254	93				
15	2,4-Dinitrotoluene-d (IS)	19.81	4030853	4030853	0.047	bd	1.011	101				
16	2,4-Dinitrotoluene	19.93	482256	4030853	0.047	bd	23.419	93				
17	2-Nitrotoluene	22.26	190590	4030853	0.032	db	22.886	91				
18	PETN	22.19	128718	4030853	0.039	db	25.410	101				
19	4-Nitrotoluene	23.77	158421	4030853	0.032	db	23.766	95				
20	3-Nitrotoluene	25.16	128337	4030853	0.032	db	23.030	92				

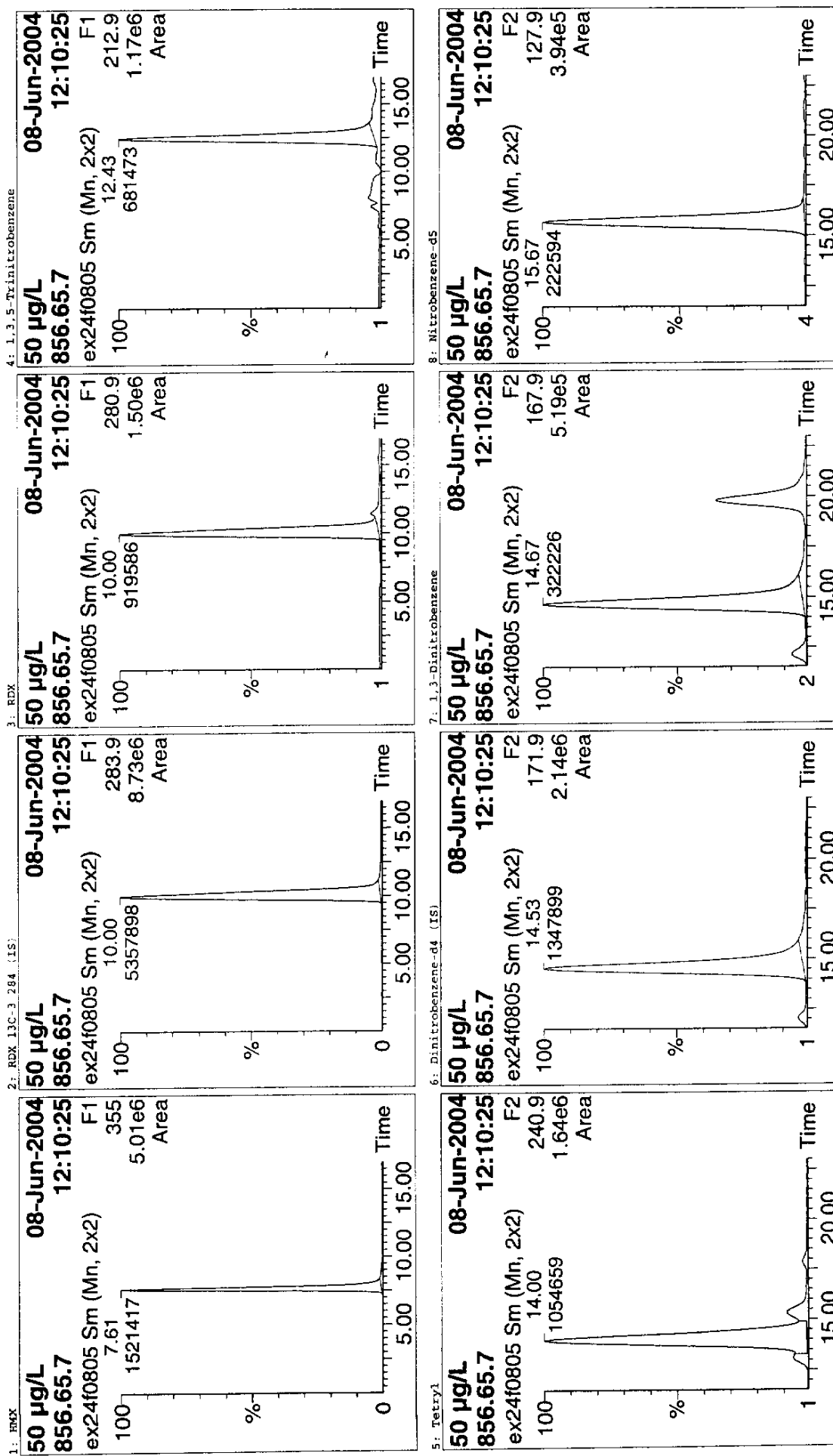
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0805
Text: 50 µg/L



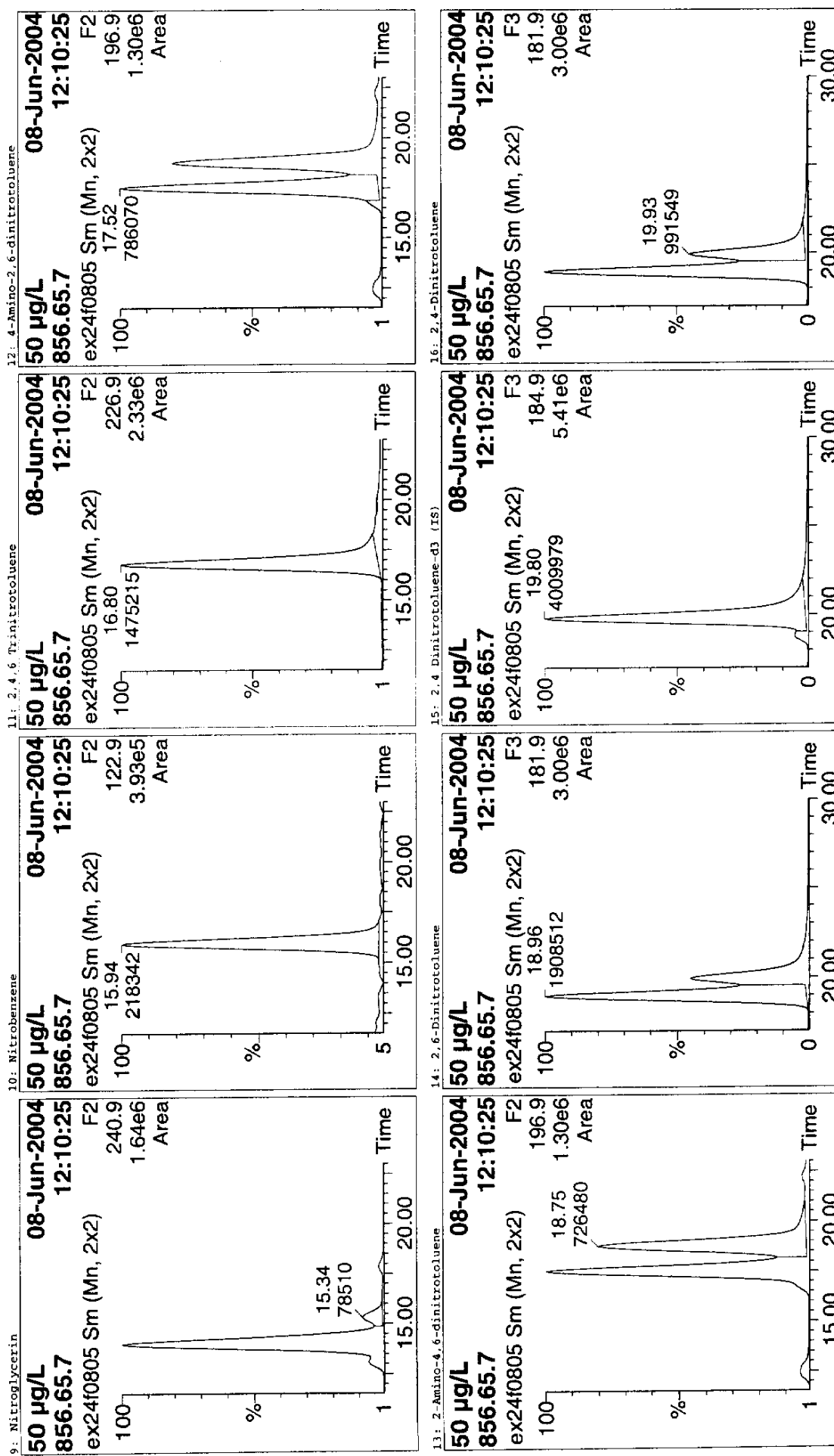
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0805
Text: 50 µg/L



Analyst: Mark Dymarski

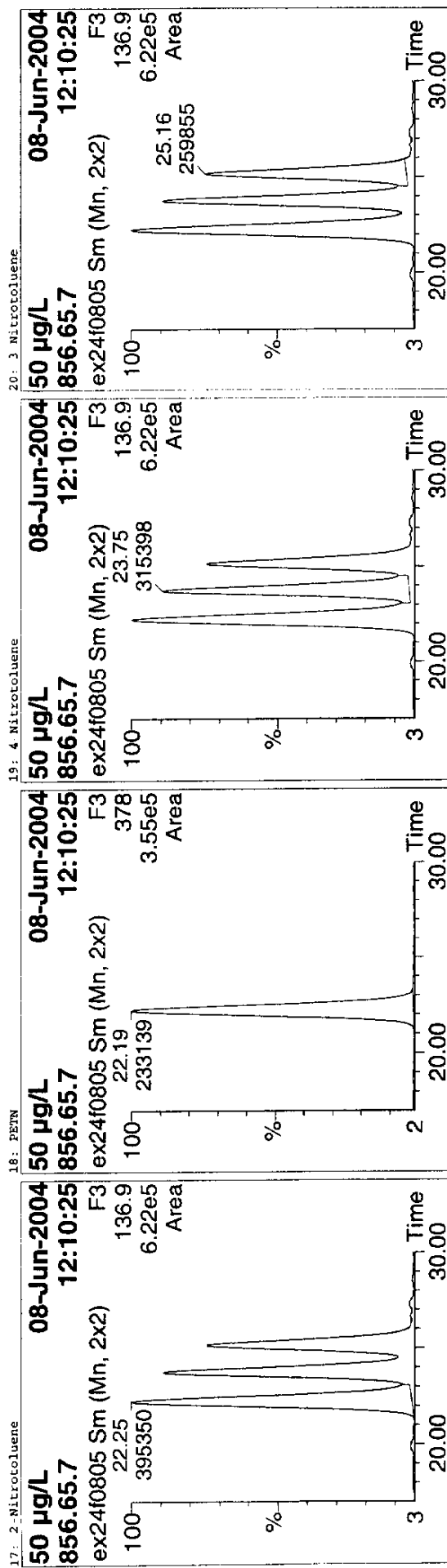
Quantify Sample Report

Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0805
 Text: 50 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod. Date	Mod. Comment
1	HMV	7.61	1521417	5357898	0.284	bb	51.345	102.69		
2	RDV 13C 3 284 (IS)	10.00	5357898	5357897	0.172	bb	1.040	103.97		
3	RDV	10.00	919586	5357898	0.172	bb	50.923	101.85		
4	1,3,5-Trinitrobenzene	12.43	681473	1347899	0.506	bb	52.877	105.75		
5	Tetryl	14.00	1054659	1347899	0.782	dd	49.597	99.19		
6	Dinitrobenzene-d4 (IS)	14.53	1347899	1347899	0.239	bb	0.995	99.48		
7	1,3-Dinitrobenzene	14.67	322254	1347899	0.165	bb	49.537	99.07		
8	Nitrobenzene-d5	15.67	222594	1347899	0.058	db	49.495	98.99		
9	Nitroglycerin	15.34	78510	1347899	0.162	bb	46.371	92.74		
10	Nitrobenzene	15.94	218342	1347899	1.094	bs	48.769	97.54		
11	2,4,6-Trinitrotoluene	16.80	1475215	1347899	0.196	dd	52.572	105.14		
12	4-Amino-2,6-dinitrotoluene	17.52	786070	4009979	0.181	db	49.044	98.09		
13	2-Amino-4,6-dinitrotoluene	18.75	726480	4009979	0.476	bd	52.361	104.72		
14	2,6-Dinitrotoluene	18.96	1908512	4009979	4009978	db	49.320	98.64		
15	2,4-Dinitrotoluene-d3 (IS)	19.80	4009979	4009979	0.247	db	1.006	100.60		
16	2,4-Dinitrotoluene	19.93	991549	4009979	0.099	bd	49.746	99.49		
17	2-Nitrotoluene	22.25	395350	4009979	0.058	bb	49.260	98.52		
18	PETN	22.19	233139	4009979	0.079	dd	49.584	99.17		
19	4-Nitrotoluene	23.75	315398	4009979	0.065	db	48.981	97.96		
20	3-Nitrotoluene	25.16	259855	4009979			48.043	96.09		

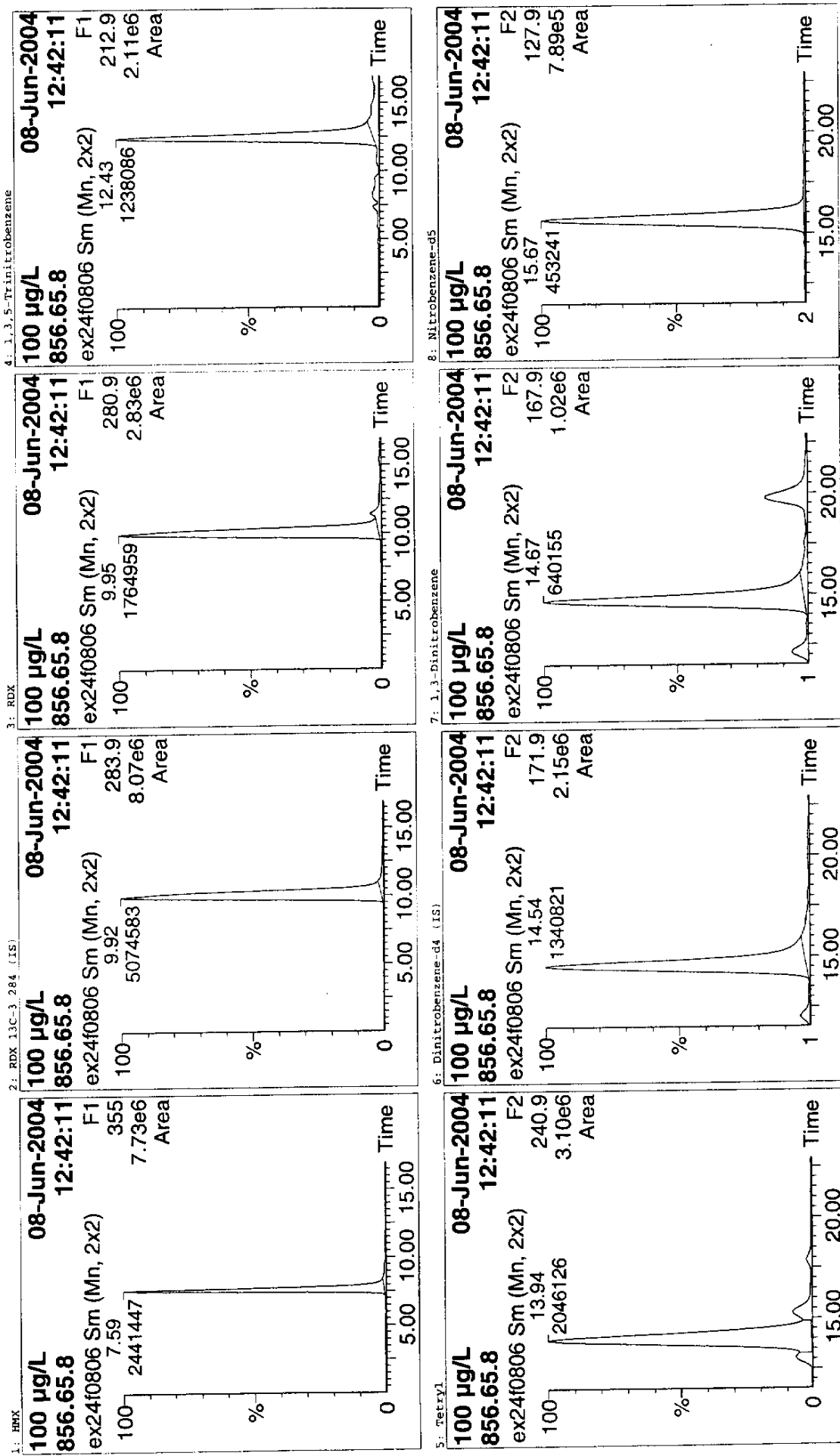
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last Modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method8\ex24f08
Last Modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:53:26 2004

Name: ex24f0806
Text: 100 µg/L



Analyst: Mark Dymerski

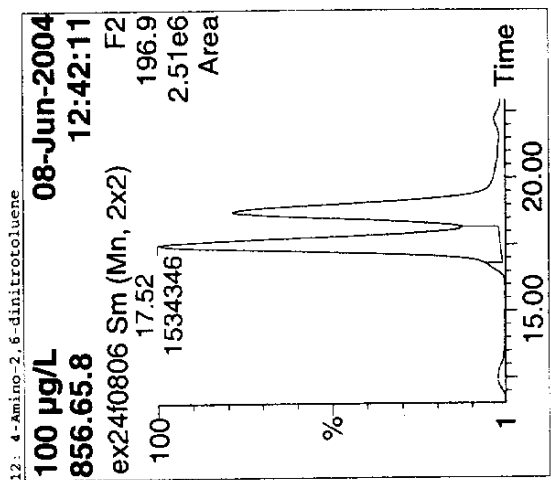
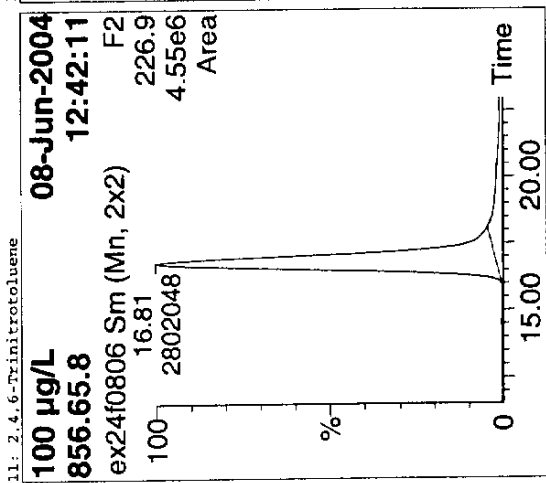
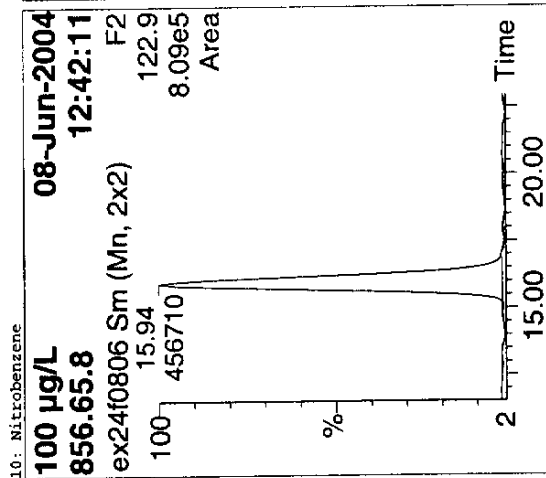
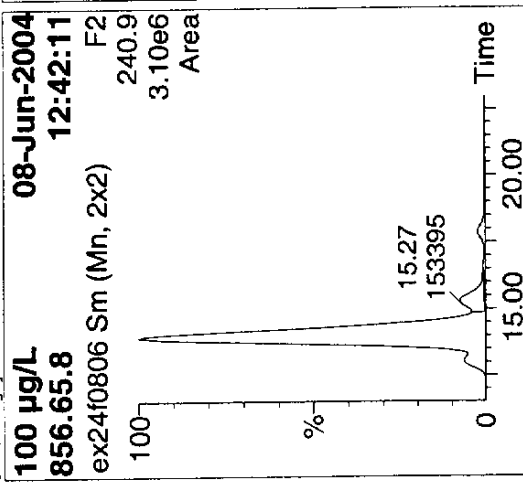
Quantity Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

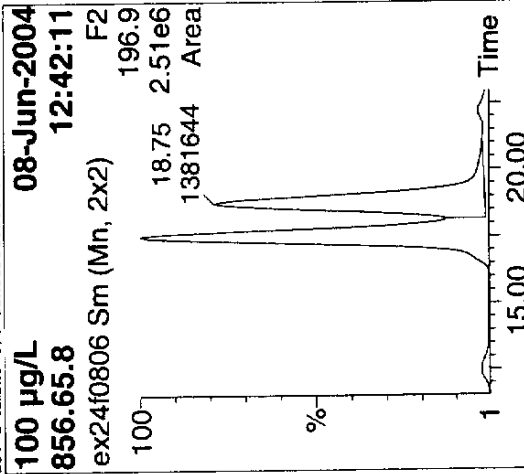
Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0806
Text: 100 µg/L

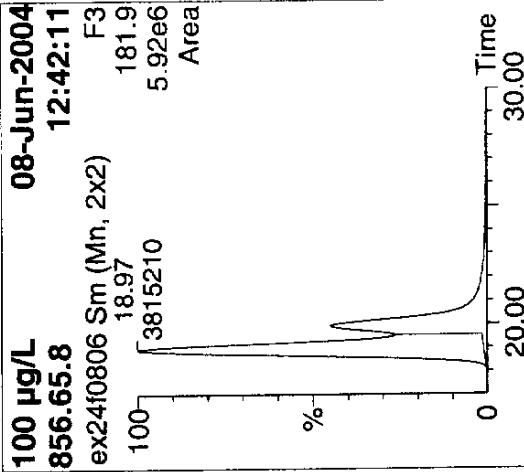
9: Nitroglycerin



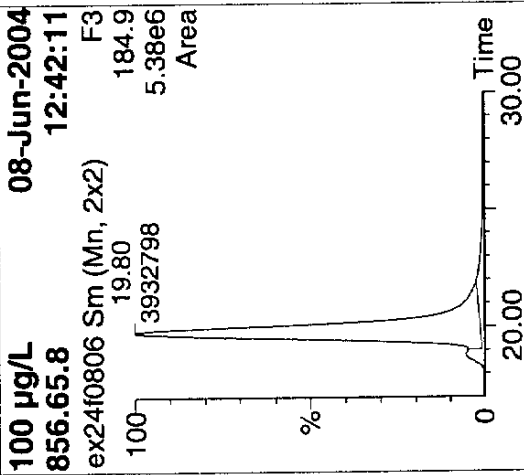
13: 2-Amino 4,6-dinitrotoluene



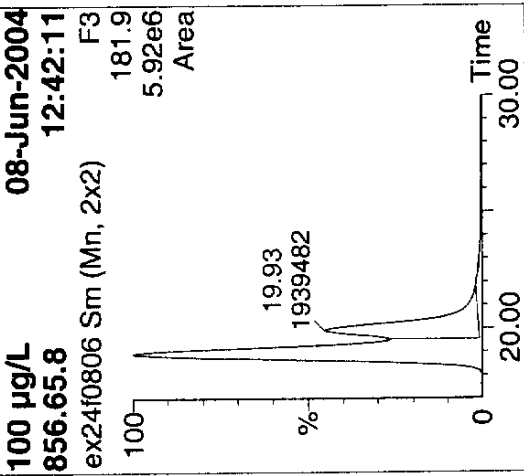
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene



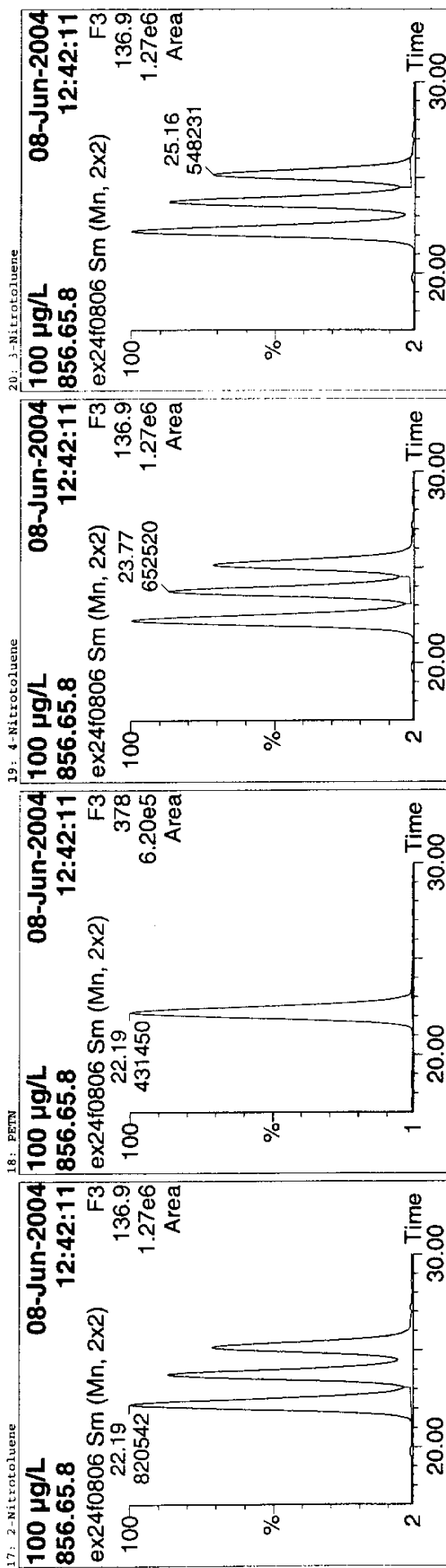
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\WethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0806
Text: 100 µg/L



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1 RDX	7.59	2441447	5074583	5074582...	0.481 bb	98.359	98.36		
2 RDX 13C-3 284 (IS)	9.52	5074583	5074583	5074582...	0.348 bb	0.985	98.47		
3 RDX	9.95	1764959	1340821	0.923 bb	0.923 bb	105.774	105.77		
4 1,3,5-Trinitrobenzene	12.43	1238086	1340821	1.526 dd	1.526 dd	104.161	104.16		
5 Tetrayl	13.94	2046126	1340821	1340821...	bb	102.822	102.82		
6 Dinitrobenzene-d4 (IS)	14.54	1340821	1340821	0.477 bb	0.477 bb	0.990	98.96		
7 1,3-Dinitrobenzene	14.67	640155	1340821	0.338 bb	0.338 bb	100.257	100.26		
8 Nitroglycerin	15.27	453241	1340821	0.114 ds	0.114 ds	102.118	102.12		
9 Nitrobenzene	15.94	153395	1340821	0.341 bb	0.341 bb	105.262	105.26		
10 Nitrobenzene	16.81	456710	1340821	2.090 bb	2.090 bb	103.520	103.52		
11 2,4,6-Trinitrotoluene	16.81	2802048	1340821	0.390 dd	0.390 dd	103.021	103.02		
12 4-Amino-2,6-dinitrotoluene	17.52	1534346	3932798	0.351 db	0.351 db	99.492	99.49		
13 2-Amino-4,6-dinitrotoluene	18.75	1381644	3932798	0.970 bd	0.970 bd	104.262	104.26		
14 2,6-Dinitrotoluene	18.97	3815210	3932798	3932797...	db	101.924	101.92		
15 2,4-Dinitrotoluene-d3 (IS)	19.81	1939482	3932798	0.493 db	0.493 db	0.987	98.66		
16 2,4-Dinitrotoluene	19.93	820542	3932798	0.209 bd	0.209 bd	100.466	100.47		
17 2-Nitrotoluene	22.19	431450	3932798	0.110 bb	0.110 bb	105.828	105.83		
18 PETN	22.19	431450	3932798	0.166 dd	0.166 dd	103.203	103.20		
19 4-Nitrotoluene	23.77	652520	3932798	0.139 db	0.139 db	104.895	104.90		
20 3-Nitrotoluene	25.16	548231	3932798			104.649	104.65		

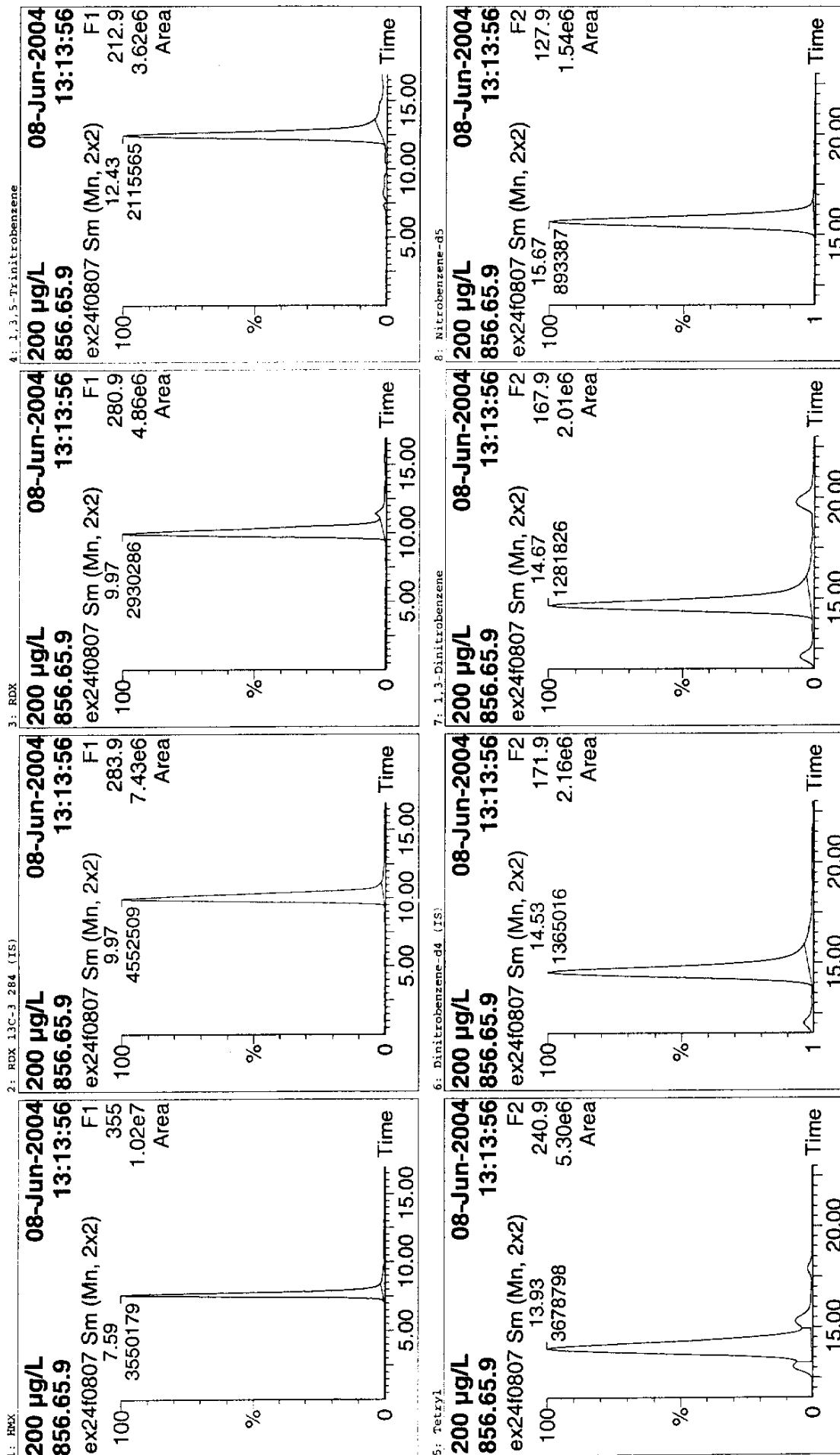
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
JOB Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0807
Text: 200 µg/L



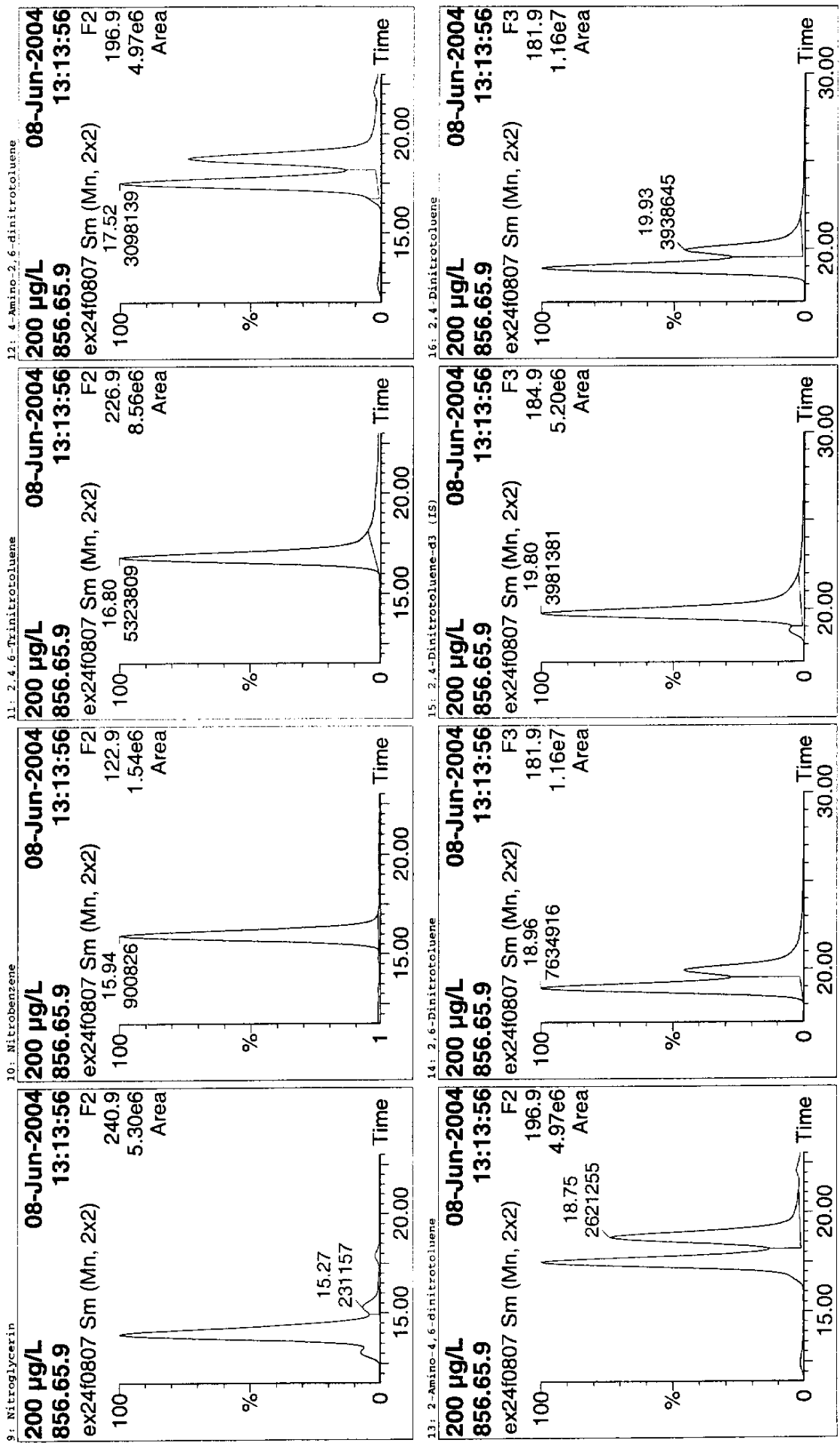
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleData\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0807
Text: 200 µg/L



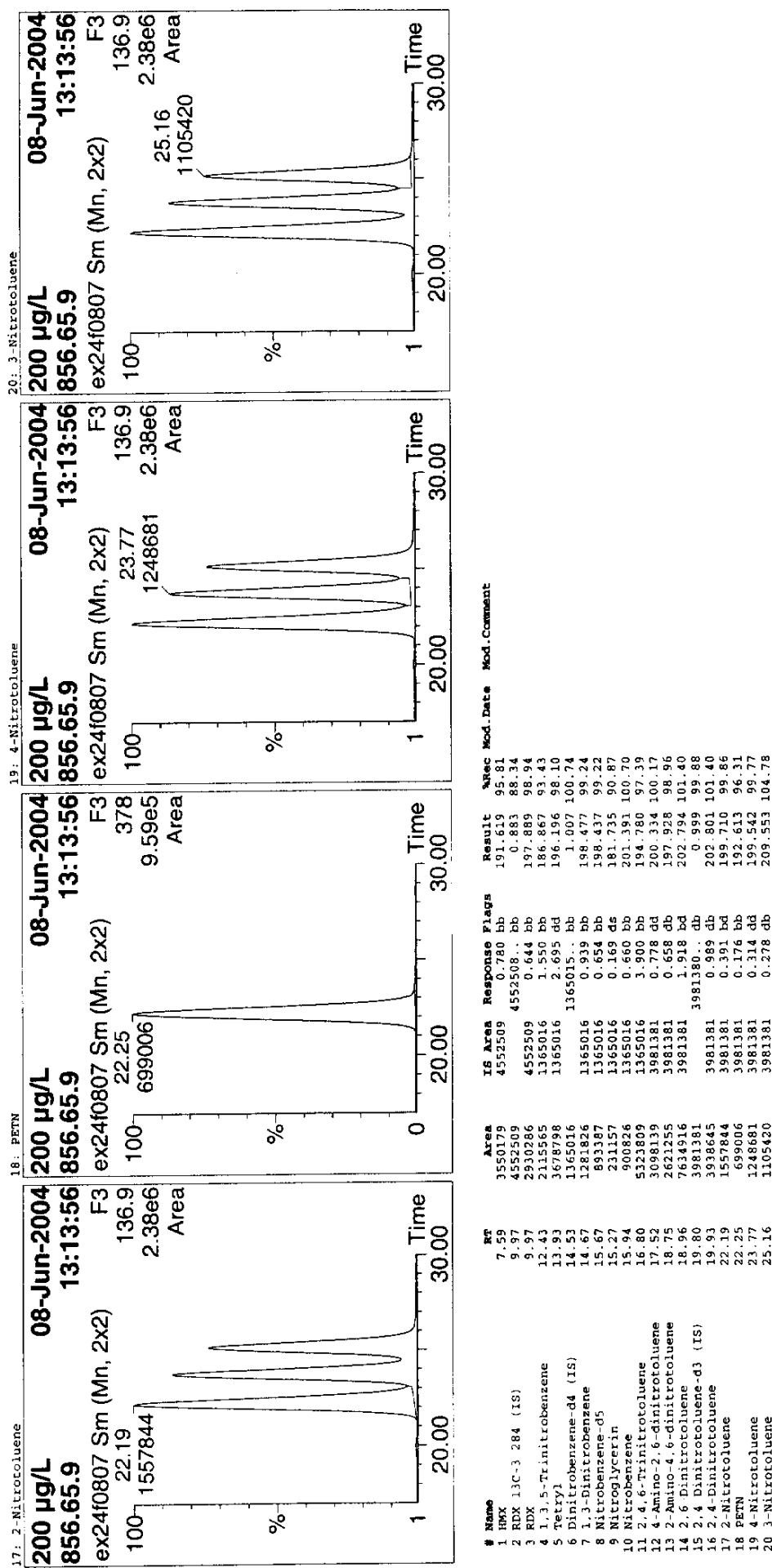
Analyst: Mark Dynerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0807
Test: 200 µg/L



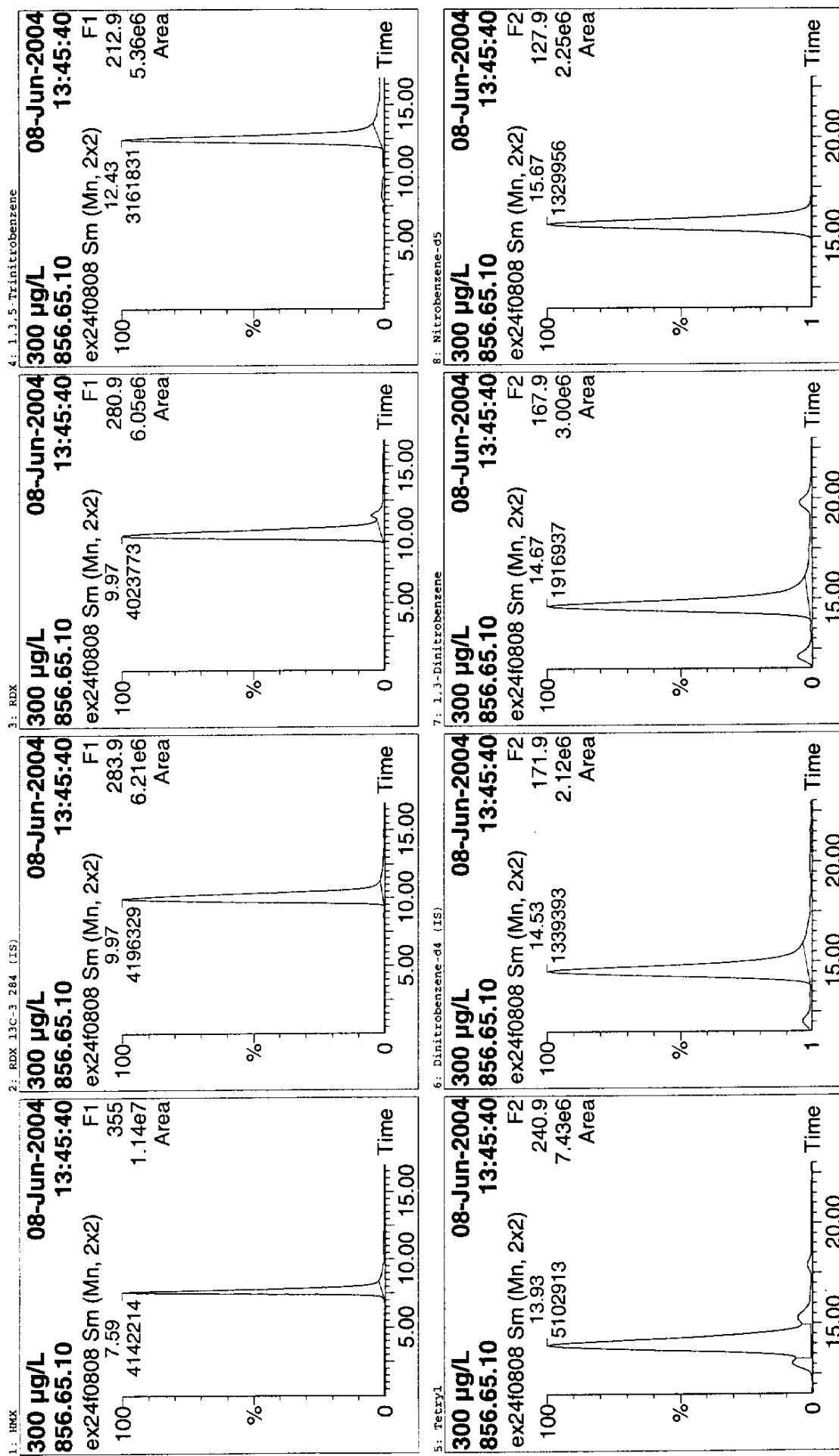
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0808
Text: 300 µg/L



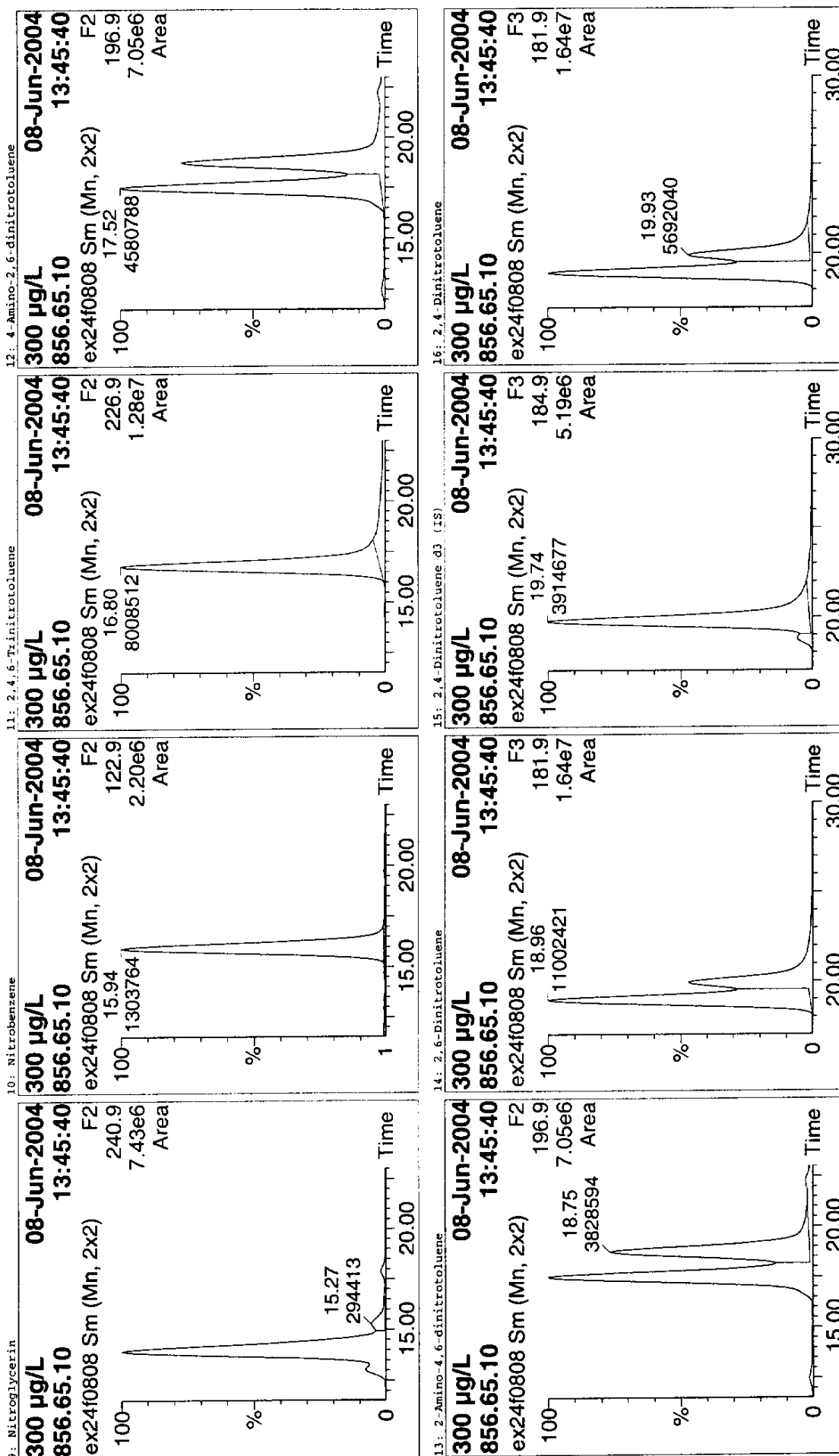
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0808
Text: 300 µg/L



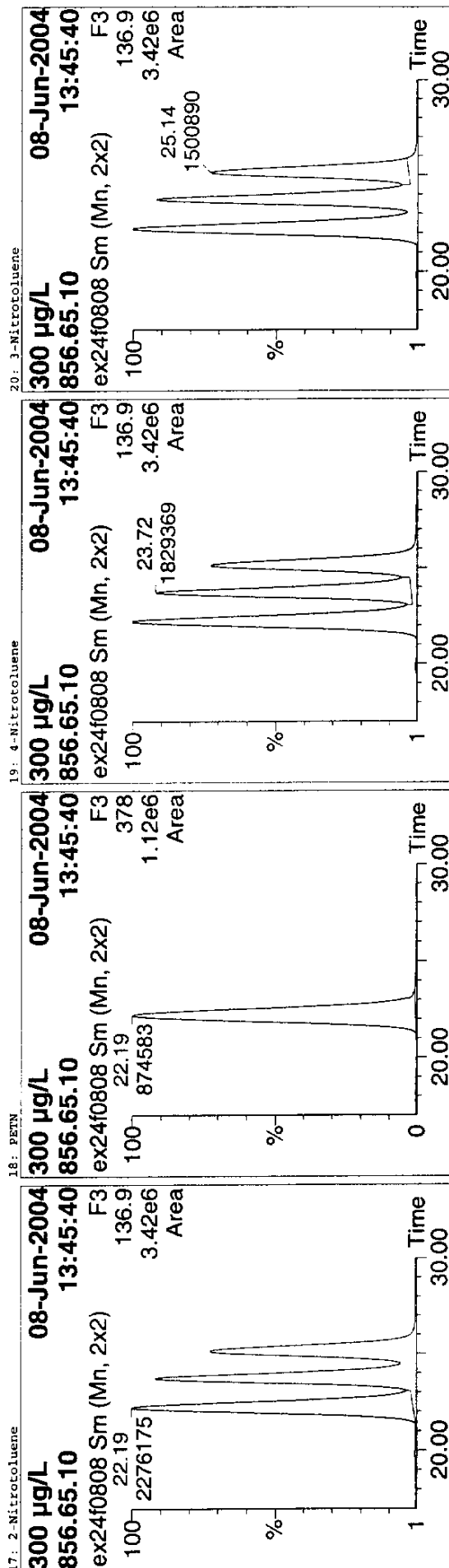
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0808
Text: 300 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	HMX	7.59	4142214	4196329	0.987	bb	316.053	105.35		
2	RDX 13C-3 284 (IS)	9.97	4196329	4196329	0.987	bb	0.814	81.43		
3	RDX	9.97	4023773	4196329	0.959	bb	296.031	98.68		
4	1,3,5-Trinitrobenzene	12.43	3161831	1339393	2.361	bb	307.783	102.59		
5	Tetryl	13.93	5102913	1339393	3.810	db	301.864	100.62		
6	Dinitrobenzene-d4 (IS)	14.53	1339393	1339393	1.431	bb	0.989	98.85		
7	1,3-Dinitrobenzene	14.67	1916937	1339393	1.431	bb	303.191	101.06		
8	Nitrobenzene-d5	15.67	1329956	1339393	0.993	bb	301.455	100.48		
9	Nitroglycerin	15.27	294413	1339393	0.220	dsEI				
10	Nitrobenzene	15.94	1303764	1339393	0.973	bb	297.467	99.16		
11	2,4,6-Trinitrotoluene	16.80	8008512	1339393	5.979	bb	300.156	100.05		
12	4-Amino-2,6-dinitrotoluene	17.52	4580788	3914677	1.170	bd	302.210	100.74		
13	2-Amino-4,6-dinitrotoluene	18.75	3828594	3914677	0.978	db	295.428	98.48		
14	2,6-Dinitrotoluene	18.96	11002421	3914677	2.811	bd	297.845	99.28		
15	2,4-Dinitrotoluene-d3 (IS)	19.74	3914677	3914677	0.982	db	0.982	98.21		
16	2,4-Dinitrotoluene	19.93	5692040	3914677	1.454	db	298.668	99.56		
17	2-Nitrotoluene	22.13	2276175	3914677	0.581	bd	297.459	99.15		
18	PETN	22.13	874583	3914677	0.223	bb	308.124	102.71		
19	4-Nitrotoluene	23.72	1829369	3914677	0.467	db	298.013	99.34		
20	3-Nitrotoluene	25.14	1500890	3914677	0.383	db	289.800	96.60		

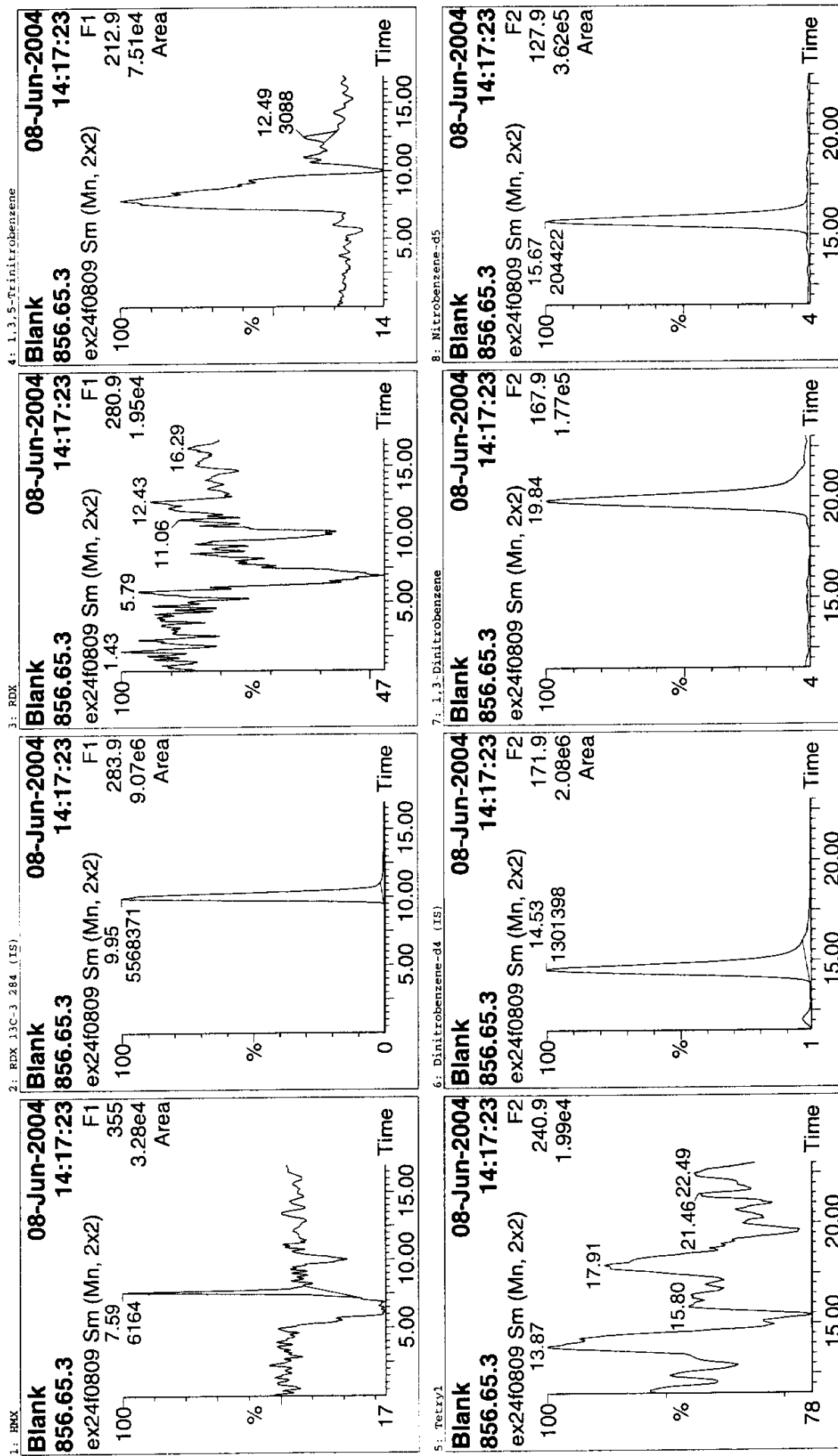
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0809
Text: Blank

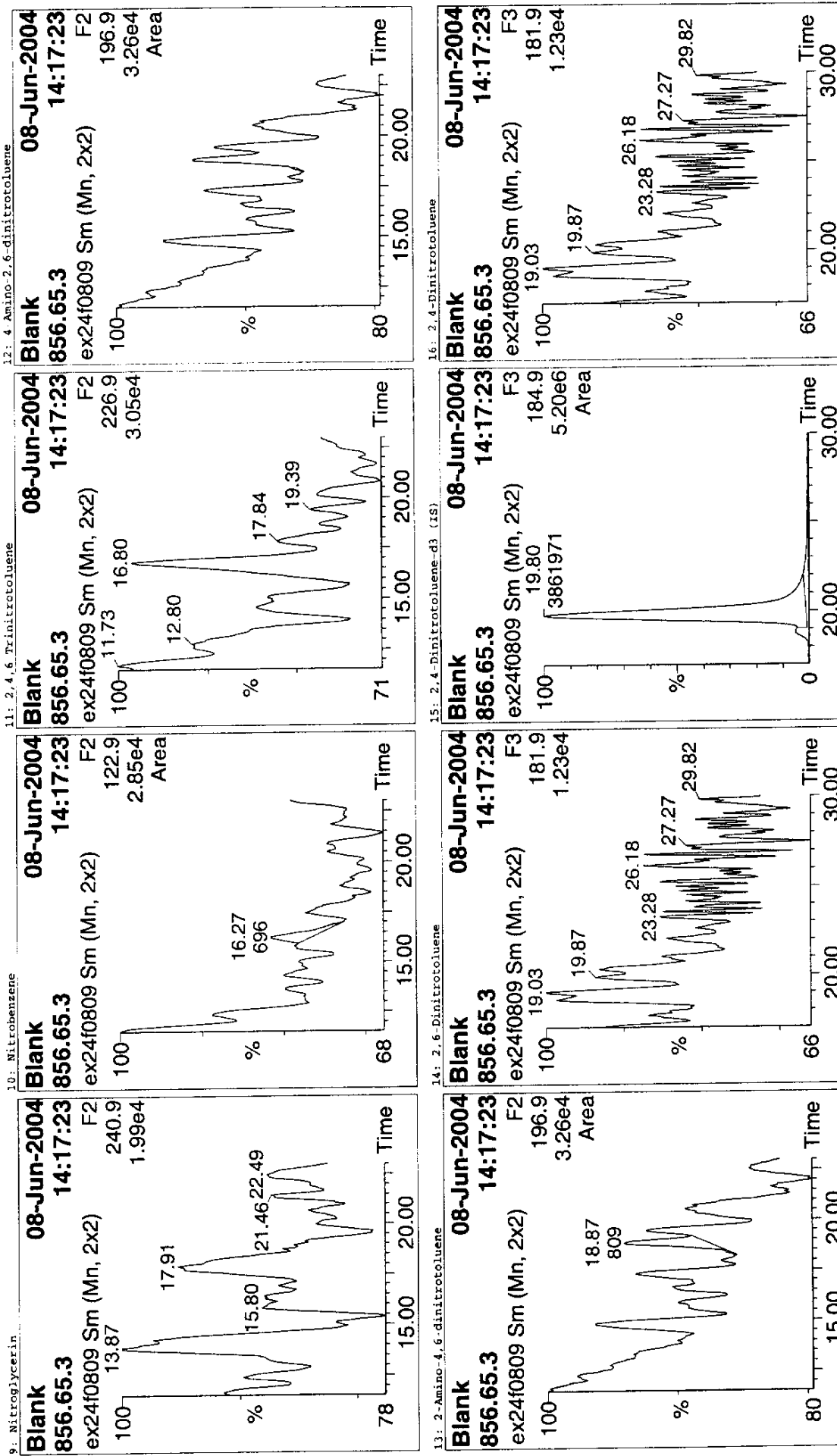


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0809
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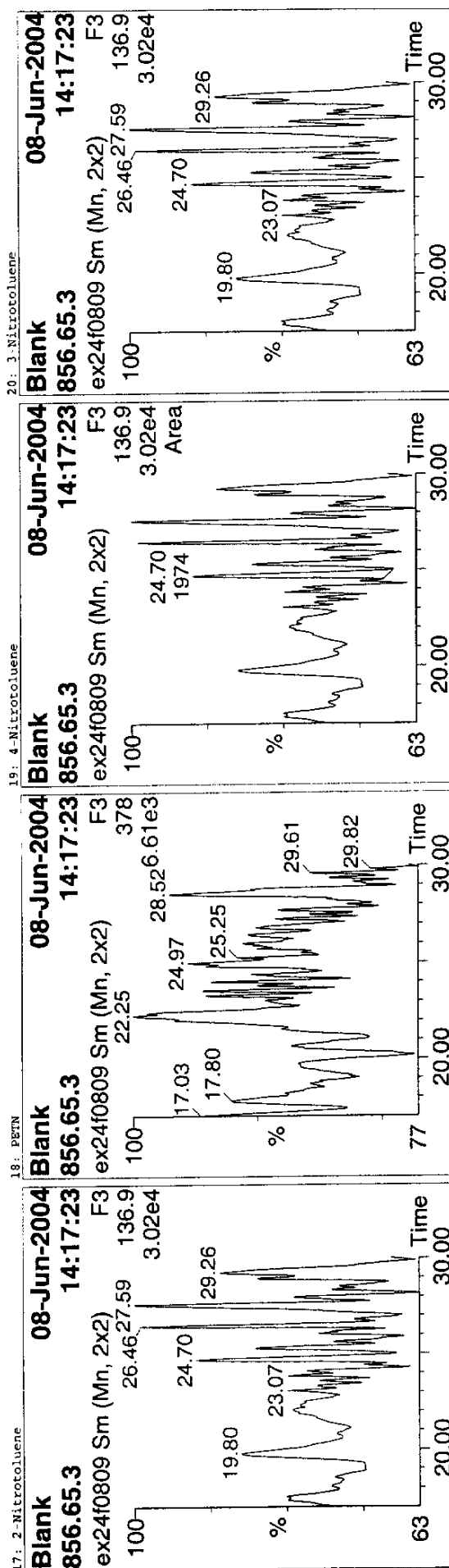


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleData\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0809
Text: Blank



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1 BMX	7.59	6164	5568371	0.001	bb	0.000	0.000				
2 RDX 13C-3 284 (IS)	9.95	5568371	5568370...	bb	bb	1.081	108.05				
3 RDX	12.49	3088	5568371	0.002	bb	0.000					
4 1,3,5-Trinitrobenzene	14.53	1301398	1301398	1301397...	bb	0.960	96.05				
5 Tetryl	15.67	204422	1301398	0.157	bb	47.041	94.08				
6 Dinitrobenzene-d4 (IS)	16.27	696	1301398	0.001	bb	0.000					
7 1,3-Dinitrobenzene	18.42	15	1301398	0.000	bd	0.000					
8 Nitroglycerin	18.87	809	3861971	0.000	bb	0.000					
9 Nitrobenzene	19.80	3861971	3861971	3861971...	db	0.969	96.88				
10 Nitrobenzene	19.80	3861971	3861971	3861971							
11 2,4,6-Trinitrotoluene	24.70	1974	3861971	0.001	bb	0.000					
12 4-Amino-2,6-dinitrotoluene			3861971								
13 2-Amino-4,6-dinitrotoluene			3861971								
14 2,6-Dinitrotoluene			3861971								
15 2,4-Dinitrotoluene-d3 (IS)			3861971								
16 2,4-Dinitrotoluene			3861971								
17 2-Nitrotoluene			3861971								
18 PETN			3861971								
19 4-Nitrotoluene			3861971								
20 3-Nitrotoluene			3861971								

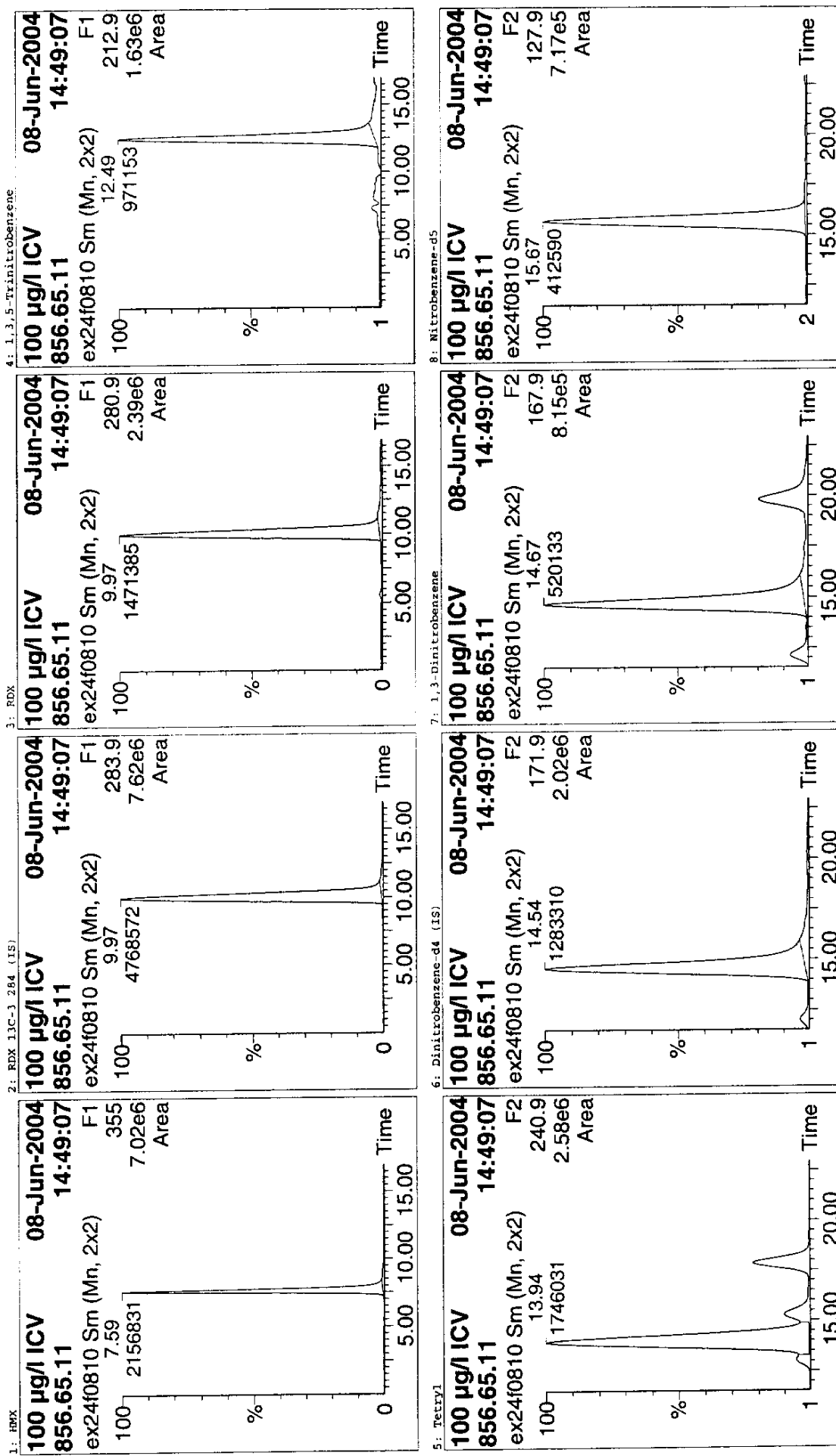
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0810
Text: 100 µg/l ICV



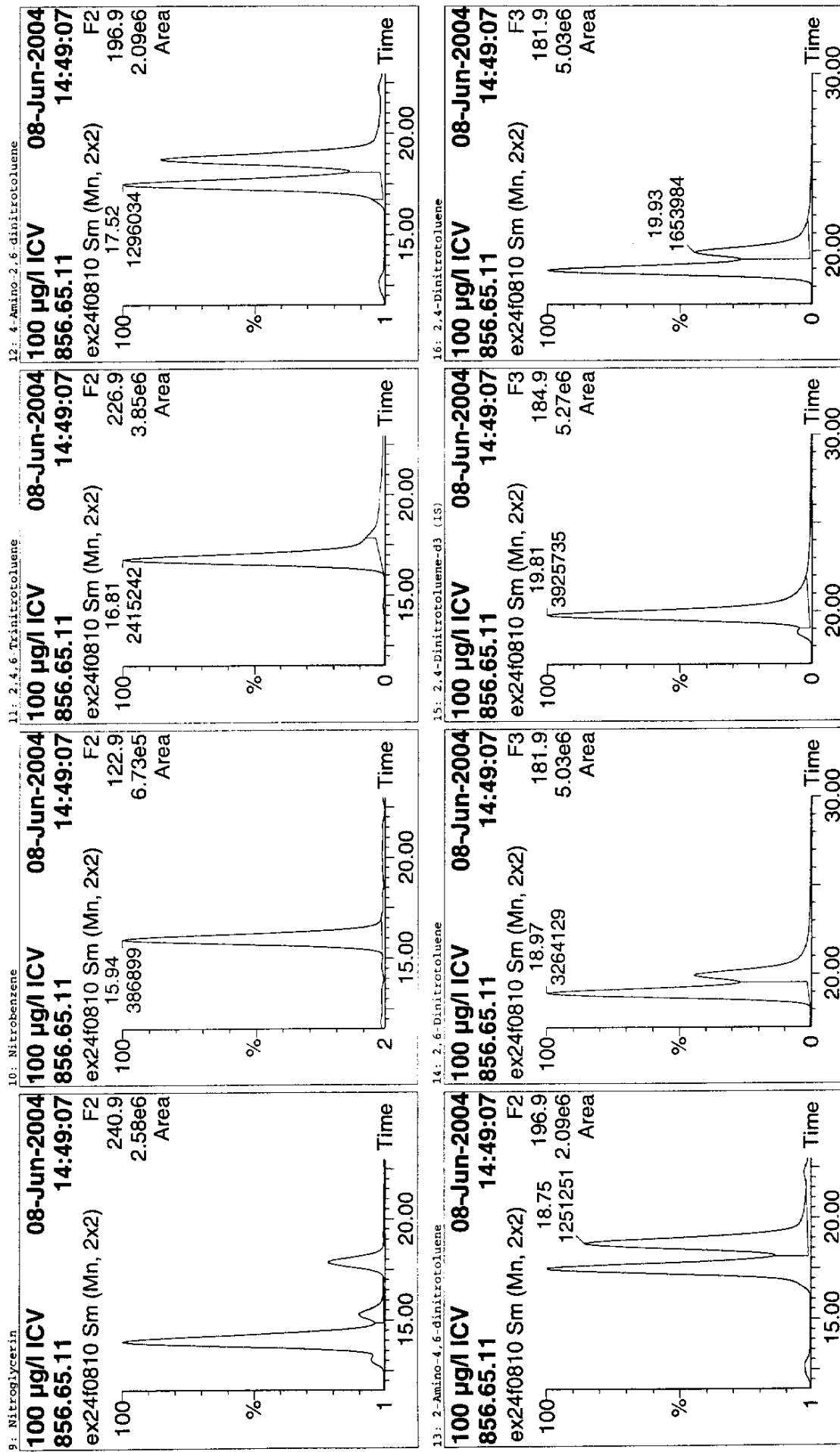
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethdB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0810
Text: 100 µg/l ICV



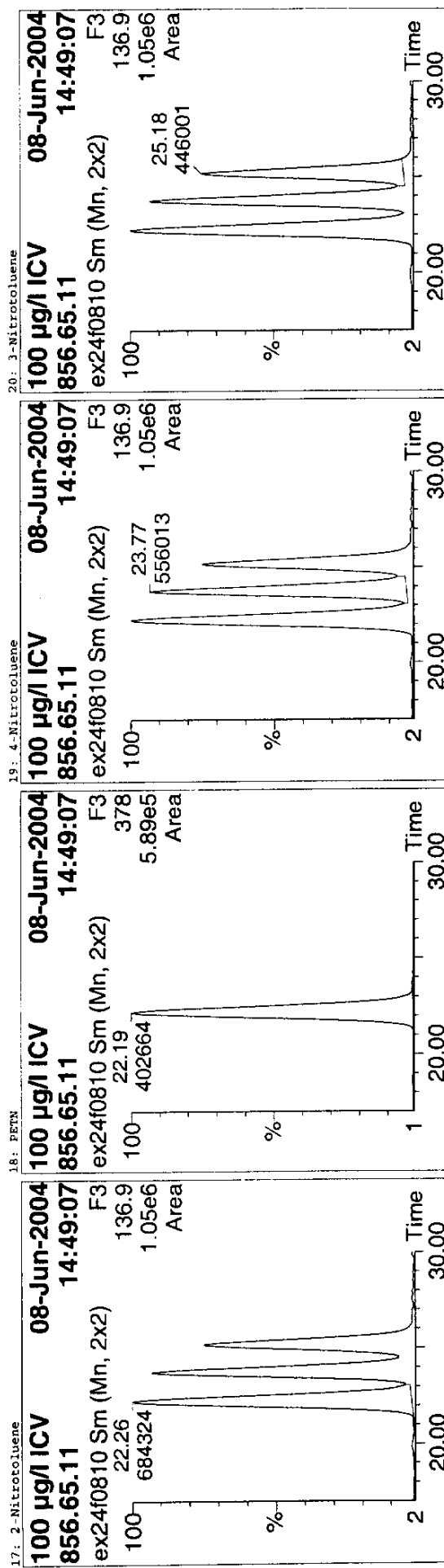
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives_PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0810
Text: 100 µg/l ICV



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod.	Date	Mod.	Comment
1	RDX	7.59	2156831	4768572	0.452	bb	90.997	91.00				
2	RDX 13C-3 284 (IS)	9.97	4768572	4768572	0.452	bb	0.925	92.53				
3	RDX	9.97	1471385	4768572	0.309	bb	93.555	93.56				
4	1,3,5-Trinitrobenzene	12.49	971153	1283310	0.757	bb	83.376	83.38				
5	Tetryl	13.94	1746031	1283310	1.361	dd	90.624	90.62				
6	Dinitrobenzene-d4 (IS)	14.54	1283310	1283309	0.947	bb	94.71	94.71				
7	1,3-Dinitrobenzene	14.67	520133	1283310	0.405	bb	84.909	84.91				
8	Nitroglycerin	15.67	412590	1283310	0.322	bb	97.087	97.09				
9	Nitrobenzene	15.27	154757	1283310	0.121	db	112.643	112.64				
10	Nitrobenzene	15.94	386899	1283310	0.301	bb	91.525	91.53				
11	2,4,6-Trinitrotoluene	16.81	2415242	1283310	1.882	bs	92.491	92.49				
12	4-Amino-2,6-dinitrotoluene	17.52	1296034	3925735	0.330	dd	83.898	83.90				
13	2-Amino-4,6-dinitrotoluene	18.75	1251251	3925735	0.319	db	94.323	94.32				
14	2,6-Dinitrotoluene	18.97	3264129	3925735	0.831	bd	87.167	87.17				
15	2,4-Dinitrotoluene-d3 (IS)	19.81	3925735	3925735	0.985	db	98.48	98.48				
16	2,4-Dinitrotoluene	19.93	1653984	3925735	0.421	db	85.648	85.65				
17	2-Nitrotoluene	22.26	684324	3925735	0.174	bd	88.185	88.18				
18	PETN	22.19	402664	3925735	0.103	bb	95.185	95.19				
19	4-Nitrotoluene	23.77	556013	3925735	0.142	dd	89.335	89.33				
20	3-Nitrotoluene	25.18	446001	3925735	0.114	db	85.079	85.08				

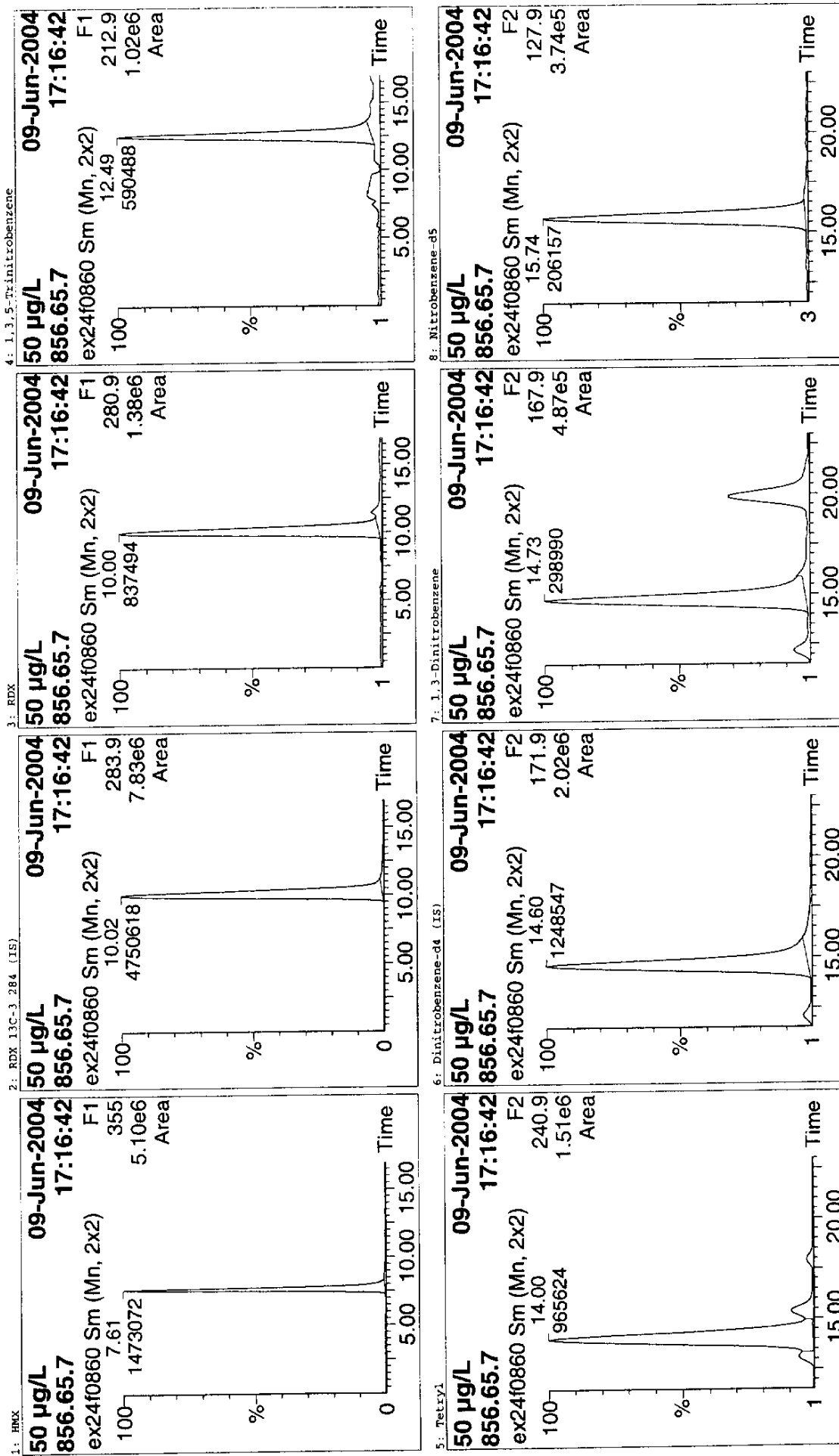
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0860
Test: 50 µg/L



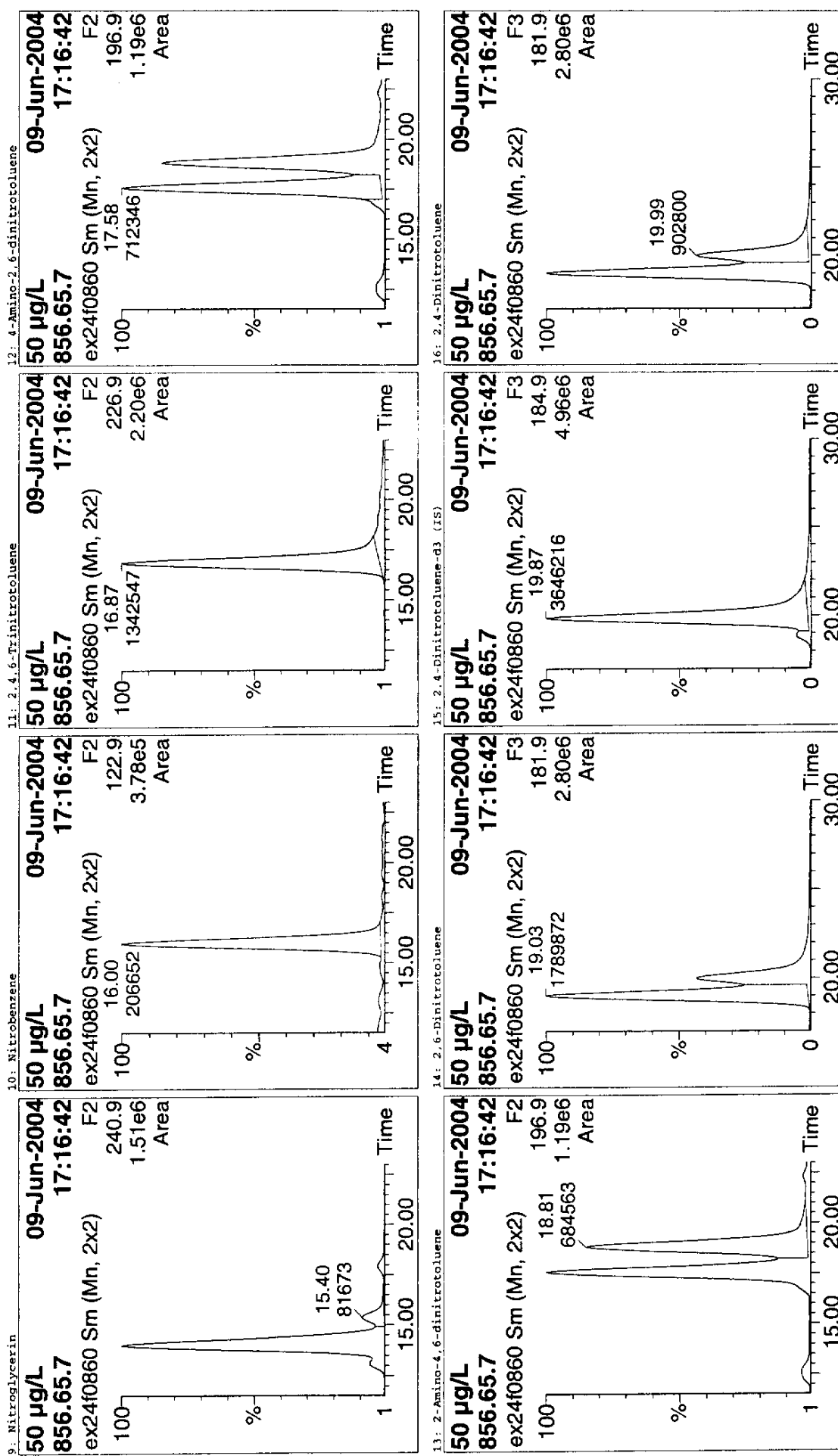
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0860
Text: 50 µg/L

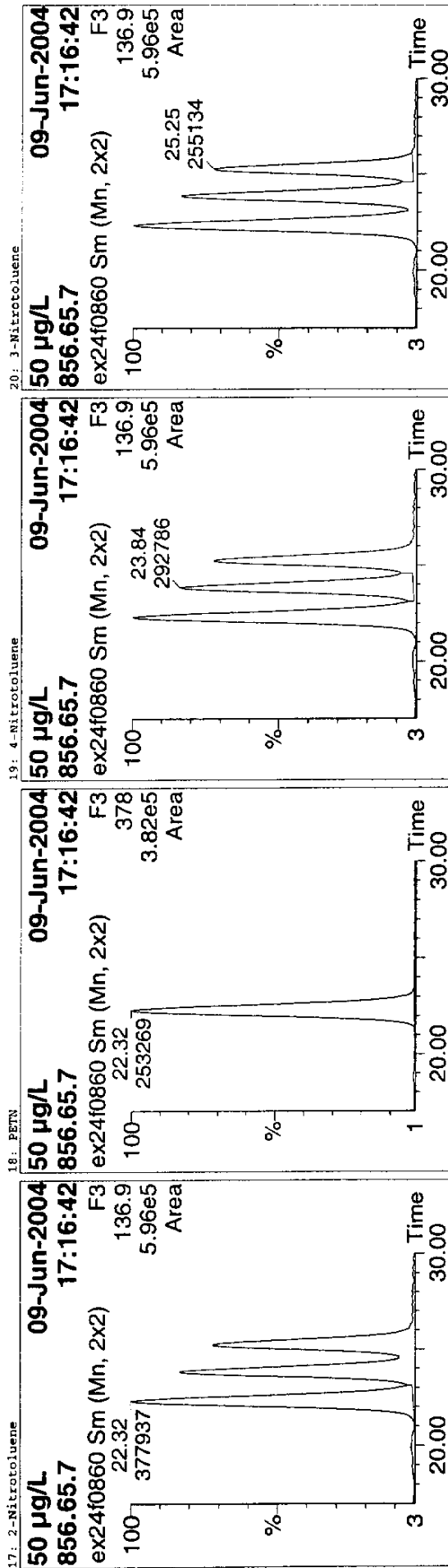


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0860
Text: 50 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod.	Date	Mod.	Comment
1	HNX	7.61	1473072	4750618	0.310	bb	57.170	114.34				
2	RDX 13C-3 284 (IS)	10.02	4750618	4750618	0.176	bb	0.922	92.19				
3	RDX	10.00	837494	4750618	0.473	bb	52.374	104.75				
4	1,3,5-Trinitrobenzene	12.49	590488	1248547	0.173	bb	48.983	97.97				
5	Tetryl	14.00	965624	1248547	0.773	dd	48.973	97.95				
6	Dinitrobenzene-d4 (IS)	14.60	1248547	1248547	0.239	bs	0.921	92.15				
7	1,3-Dinitrobenzene	14.73	298990	1248547	0.165	bb	49.624	99.25				
8	Nitrobenzene-d5	15.73	206157	1248547	0.065	ds	49.488	98.98				
9	Nitroglycerin	15.40	81673	1248547	0.166	bb	53.237	106.47				
10	Nitrobenzene	16.00	206652	1248547	1.075	bb	49.850	99.70				
11	2,4,6-Trinitrotoluene	16.87	1342547	1248547	1.075	bb	51.601	103.20				
12	4-Amino-2,6-dinitrotoluene	17.58	712346	3646216	0.195	ds	48.872	97.74				
13	2-Amino-4,6-dinitrotoluene	18.81	684563	3646216	0.188	ds	54.368	108.74				
14	2,6-Dinitrotoluene	19.03	1789872	3646216	0.491	bs	50.911	101.82				
15	2,4-Dinitrotoluene-d3 (IS)	19.85	3646216	3646216	0.248	ds	0.915	91.47				
16	2,4-Dinitrotoluene	19.99	902800	3646216	0.104	bs	49.814	98.63				
17	2-Nitrotoluene	22.32	377937	3646216	0.069	ds	51.861	103.72				
18	PETN	22.32	253269	3646216	0.080	ds	60.588	121.18				
19	4-Nitrotoluene	23.84	292786	3646216	0.070	ds	50.035	100.07				
20	3-Nitrotoluene	25.25	255134	3646216	0.070	ds	51.966	103.93				

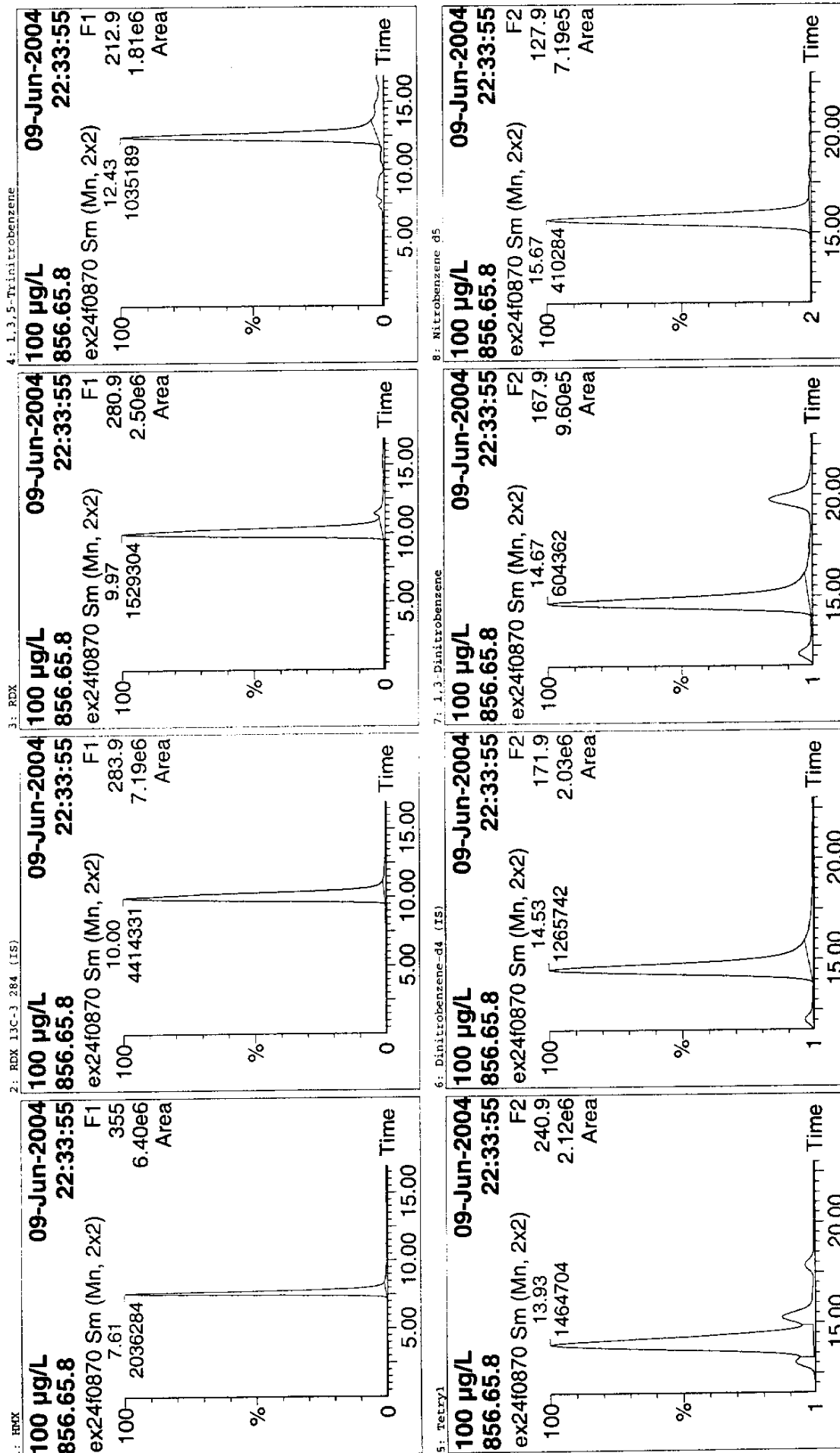
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method8\ex24f08
Last modified: Tue Jun 08 12:56:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0870
Text: 100 µg/L



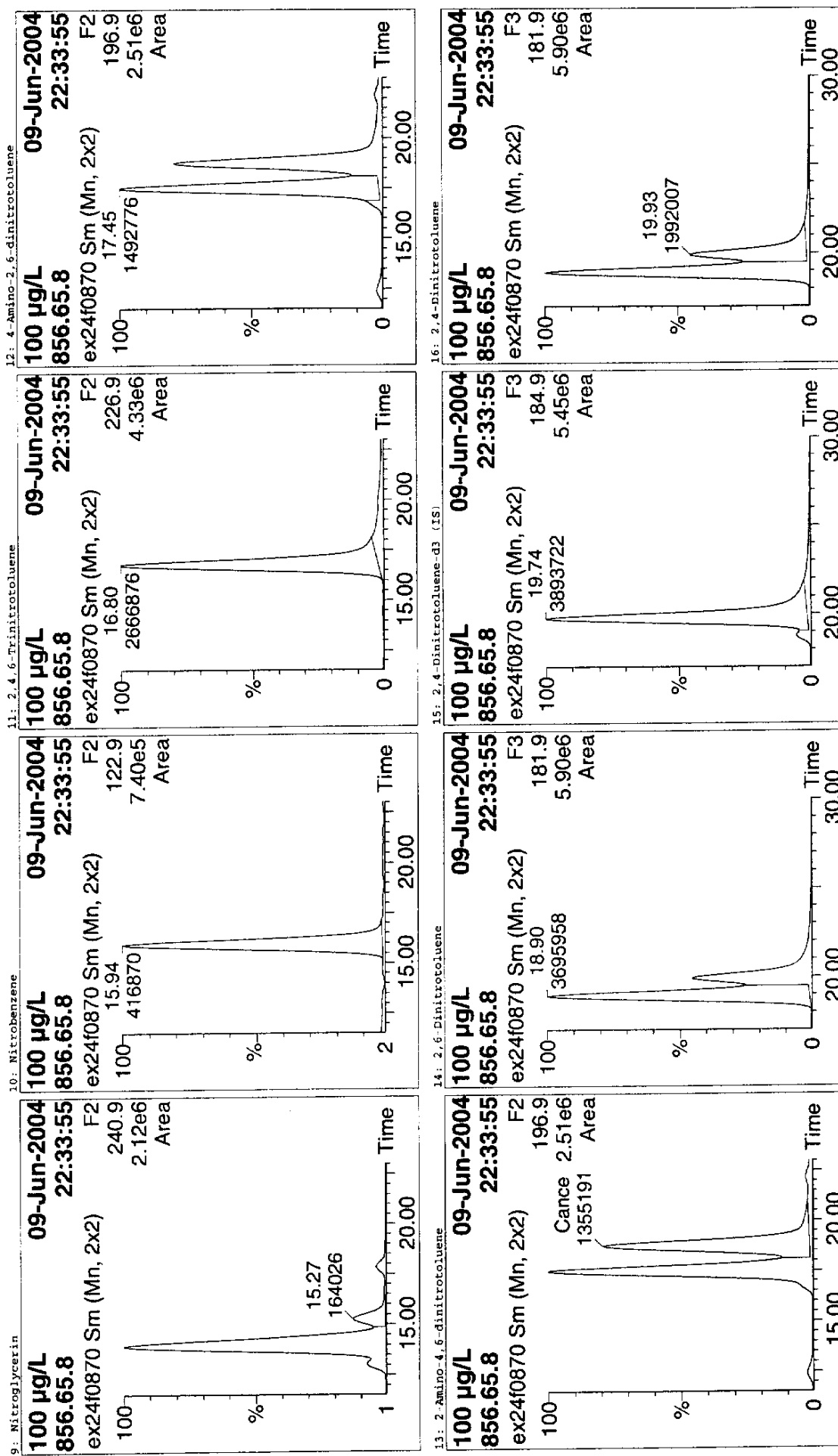
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDM\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0870
Text: 100 µg/L



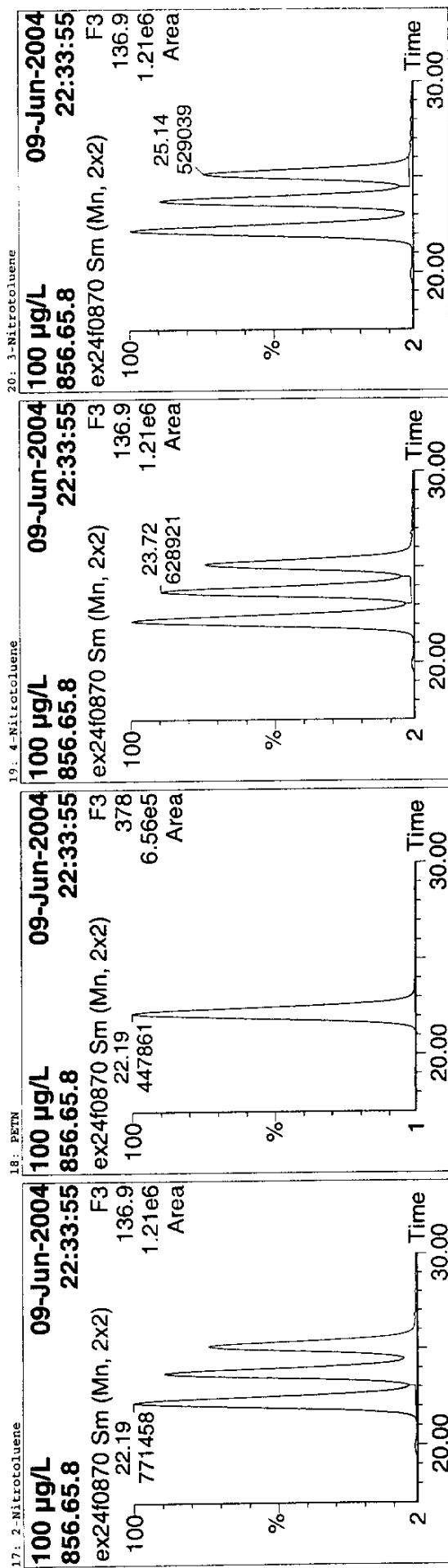
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:56:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0870
Text: 100 µg/L



Name RT Area IS Area Response Flags Result %Rec Mod Date Mod Comment

1	HMX	7.61	2036284	4414331	0.461 bb	93.273	93.27		
2	RDX 13C-3 284 (IS)	10.00	4414331	4414330..	bb	0.857	85.66		
3	RDX	9.97	1529304	4414331	0.346 bb	105.350	105.35		
4	1,3,5-Trinitrobenzene	12.43	1035189	1265742	0.818 bb	90.944	90.94		
5	Tetryl	13.93	1464704	1265742	1.157 dd	75.919	75.92		
6	Dinitrobenzene-d4 (IS)	14.53	1265742	1265742..	bb	0.934	93.42		
7	1,3-Dinitrobenzene	14.67	604362	1265742	0.477 bb	100.265	100.27		
8	Nitrobenzene-d5	15.67	410284	1265742	0.324 bb	97.891	97.89		
9	Nitroglycerin	15.27	164026	1265742	0.130 ds	123.802	123.80		
10	Nitrobenzene	15.94	416870	1265742	0.329 bb	100.065	100.07		
11	2,4,6-Trinitrotoluene	16.80	2668876	1265742	2.107 bb	103.891	103.89		
12	4-Amino-2,6-dinitrotoluene	17.45	1492776	3893722	0.383 dd	97.735	97.74		
13	2-Amino-4,6-dinitrotoluene	18.75	1355191	3893722	0.348 db	103.265	103.26		
14	2,6-Dinitrotoluene	18.90	3695958	3893722	0.949 bd	99.700	99.70		
15	2,4-Dinitrotoluene-d3 (IS)	19.74	3893722	3893722..	db	0.977	97.68		
16	2,4-Dinitrotoluene	19.93	1992007	3893722	0.512 db	104.269	104.27		
17	2-Nitrotoluene	22.19	771458	3893722	0.198 bd	100.424	100.42		
18	PETN	22.19	447861	3893722	0.115 bb	109.329	109.33		
19	4-Nitrotoluene	23.72	628921	3893722	0.162 dd	102.078	102.08		
20	3-Nitrotoluene	25.14	529039	3893722	0.136 db	101.970	101.97		

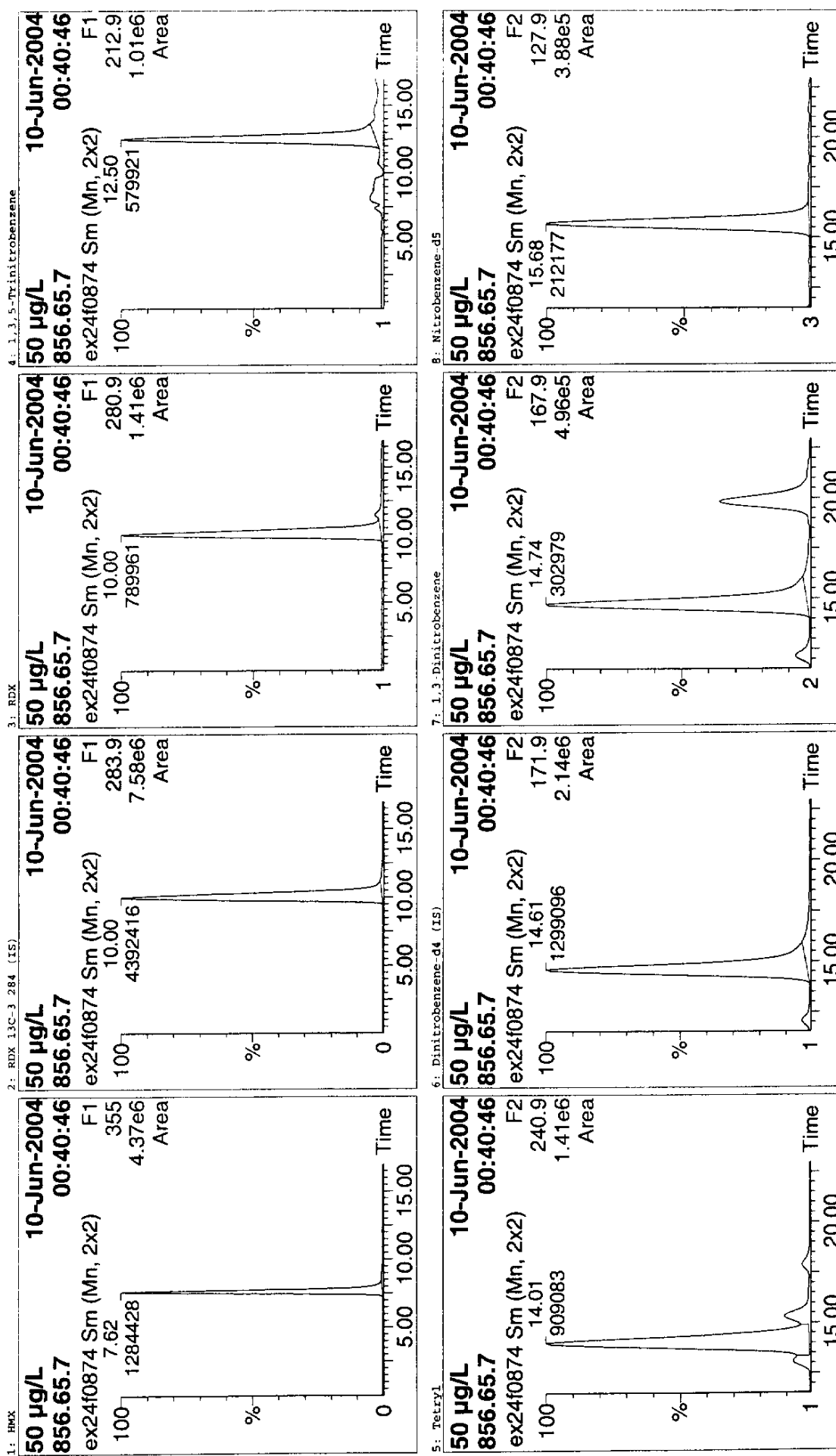
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives_PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:25 2004

Name: ex24f0874
Text: 50 µg/L



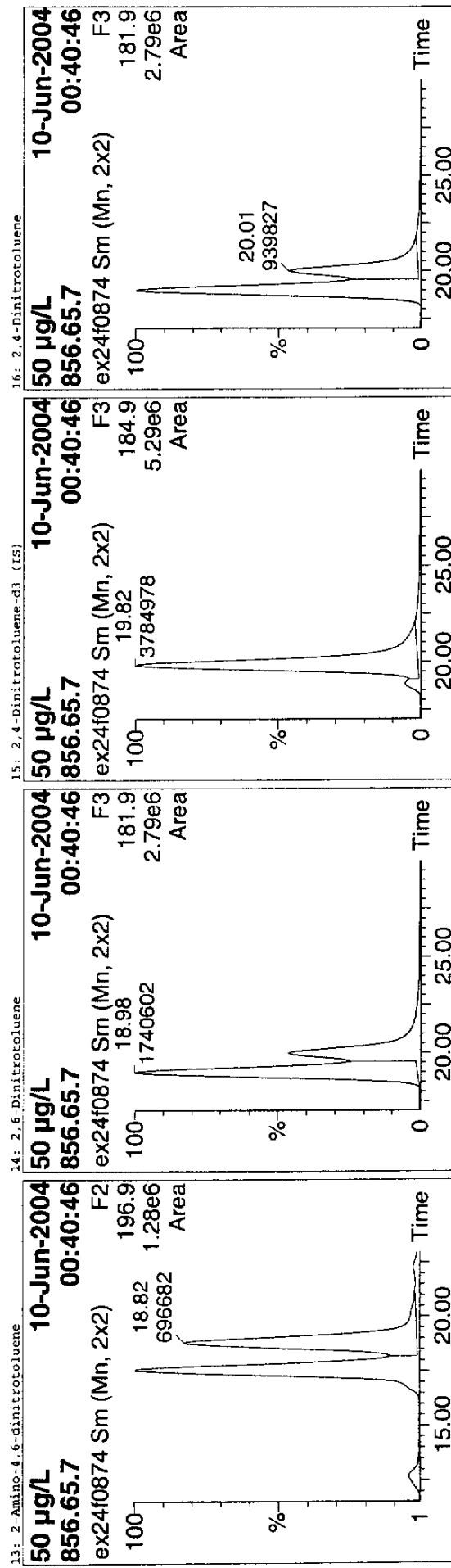
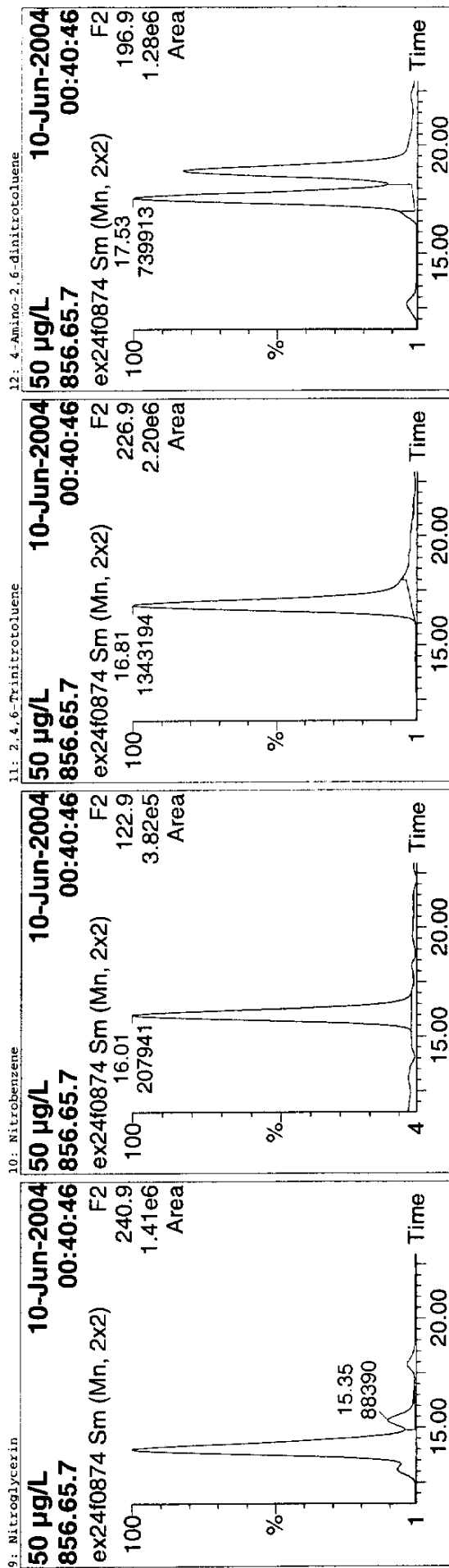
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0874
Text: 50 µg/L



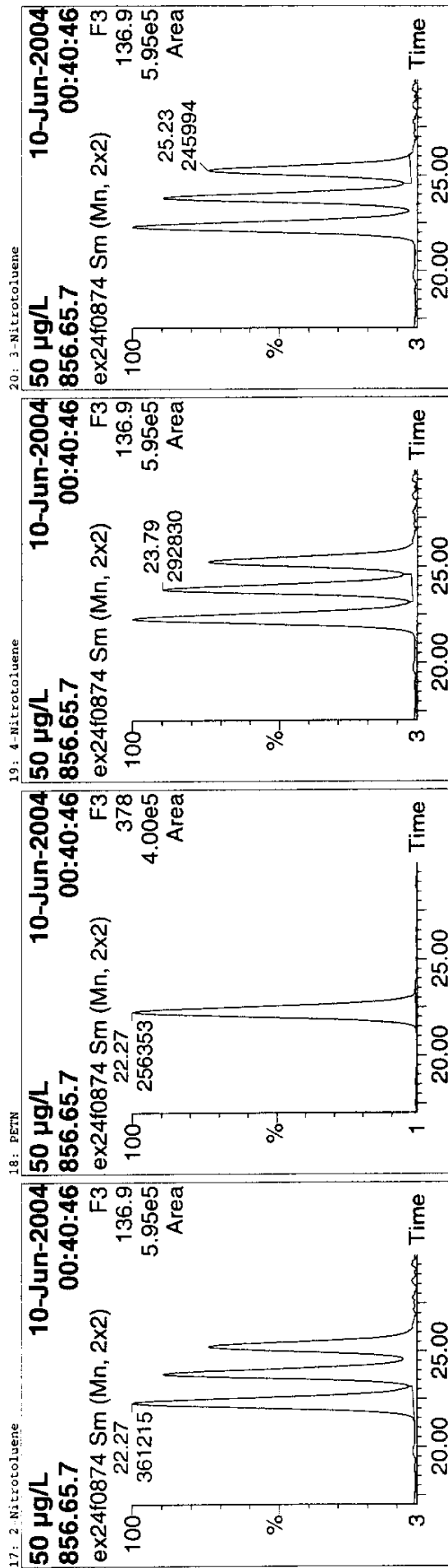
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0874
Test: 50 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMV	7.62	1284428	4392416	0.292	bb	53.221	106.44				
2	RDX 13C-3 284 (IS)	10.00	4392416	4392416	0.180	bb	0.852	85.24				
3	RDX	10.00	789961	4392416	0.180	bb	53.481	106.96				
4	1,3,5-Trinitrobenzene	12.50	579921	1299096	0.446	bb	45.828	91.66				
5	Tetryl	14.01	909083	1299096	0.700	dd	43.917	87.83				
6	Dinitrobenzene-d4 (IS)	14.61	1299096	1299096	0.233	bb	0.959	95.88				
7	1,3-Dinitrobenzene	14.74	102979	1299096	0.163	bb	48.295	96.59				
8	Nitrobenzene-d5	15.68	212177	1299096	0.068	ds	48.943	97.89				
9	Nitroglycerin	15.35	88390	1299096	0.160	bb	55.792	111.58				
10	Nitrobenzene	16.01	207941	1299096	1.034	bs	48.180	96.36				
11	2,4,6-Trinitrotoluene	16.81	1343194	1299096	0.195	dd	49.505	99.01				
12	4-Amino-2,6-dinitrotoluene	17.53	739913	3784978	0.184	db	48.904	97.81				
13	2-Amino-4,6-dinitrotoluene	18.82	696682	3784978	0.460	bd	53.245	106.49				
14	2,6-Dinitrotoluene	18.98	1740602	3784978	0.248	db	47.609	95.22				
15	2,4-Dinitrotoluene-d3 (IS)	19.82	3784978	3784978	0.095	bd	0.950	94.95				
16	2,4-Dinitrotoluene	20.01	939827	3784978	0.095	bd	49.959	99.92				
17	2-Nitrotoluene	22.27	361215	3784978	0.068	bb	47.637	95.27				
18	PETN	22.27	256353	3784978	0.077	dd	58.881	117.76				
19	4-Nitrotoluene	23.79	292830	3784978	0.065	db	48.156	96.31				
20	3-Nitrotoluene	25.23	245994	3784978	0.065	db	48.187	96.37				

Analyst: Mark Dymerski

**LC/MS SEMIVOLATILE
SAMPLE DATA**

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 1: BXX Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.998988
Calibration curve: $-7.06168e-6 * x^2 + 0.00525076 * x + 0.0329724$
Response type: Internal Std (Ref 2). Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	Rt	Area	IS Area	IS#	Response	Flags	Result	%rec	Vf(t)	Vs(L or kg)	DP	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank	5.00	7.61	5369	5391933	2	0.001	bb	0.000	85.5	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	10.00	7.61	31329	5667114	2	0.055	bb	4.275	110.9	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	25.00	7.59	500267	5536363	2	0.090	bb	11.095	103.9	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	50.00	7.59	936260	5688307	2	0.165	bb	25.974	102.7	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	100.00	7.59	1521417	5357898	2	0.284	bb	51.345	98.4	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	200.00	7.59	241447	5074583	2	0.481	bb	98.359	95.8	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	300.00	7.59	3550179	4552509	2	0.780	bb	191.619	105.4	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	500.00	7.59	4142214	4196329	2	0.987	bb	316.053	91.0	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank	5.00	7.59	6184	5568371	2	0.001	bb	0.000	114.3	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	7.59	2156831	4768572	2	0.452	bb	90.997	91.0	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	R4F070000-119 MB	856.65.7	QC	50.00	7.61	1473072	4750618	2	0.310	bb	57.170	109.8	0.005	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 LCS	GHPSNIAA	Blank	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GHPSNIAA	Blank	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GHNJVIAC	Analyte	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GHNJVIAC	Analyte	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GHNJVIAC	Analyte	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GHNJVIAC	Analyte	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GHPSNIAA	Analyte	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHPSNIAA	Analyte	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHPSNIAA	Analyte	100.00	7.64	2012524	3838020	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00	7.61	2036284	3774254	2	0.461	bb	93.273	93.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHPSNIAA	Analyte	100.00	7.64	1725971	4247042	2	0.528	bb	0.523	110.9	0.005	1.000	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GHPSNIAA	QC	100.00	7.64	1615681	3266024	2	0.482	bb	0.495	98.5	0.005	1.000	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHPSNIAA	QC	100.00	7.64	1615681	3266024	2	0.482	bb	0.495	98.5	0.005	1.000	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00	7.62	1284428	4392416	2	0.292	bb	53.221	106.4	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 2: RDX 13C-3 284 (IS) Sample List: ex24f08(6) Method File: ex24f08
 Response Factor: 5.153306
 RRF SD: 580485, % Relative SD: 11.2643
 Response type: External Std, Area
 Curve type: RF

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 Blank	Blank	856.65.3	Blank	1.00	9.97	5391933	0	5391933.000	bb		1.046	104.6	1.000	1.000	1.00	50	ex24f08
2 ex24f0801	5 ug/L	856.65.4	Standard	1.00	10.00	5667114	0	5667114.000	bb		1.100	110.0	1.000	1.000	1.00	50	ex24f08
3 ex24f0802	10 ug/L	856.65.5	Standard	1.00	10.02	5536363	0	5536363.000	bb		1.074	107.4	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	1.00	9.97	5688307	0	5688307.000	bb		1.104	110.4	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	1.00	10.00	5357898	0	5357897.500	bb		1.040	104.0	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	1.00	9.92	5074583	0	5074582.500	bb		0.985	98.5	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	1.00	9.97	4552509	0	4552508.500	bb		0.883	88.3	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	1.00	9.97	4196339	0	4196329.000	bb		0.814	81.4	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank	1.00	9.95	5568371	0	5568370.500	bb		1.081	108.1	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	1.00	9.97	4768572	0	4768572.000	bb		0.925	92.5	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	1.00	10.02	4750618	0	4750618.000	bb		0.922	92.2	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GRPH1A	Blank	1.00	10.13	4319325	0	4319325.000	bb		0.838	83.8	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GRPH1A	QC	1.00	10.12	3838020	0	3838020.250	bb		0.745	74.5	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GRPH1A	Analyte	1.00	10.13	3955716	0	3955716.000	bb		0.768	76.8	0.005	1.064	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GRPH1A	Analyte	1.00	10.10	3922610	0	3922609.500	bb		0.761	76.1	0.005	1.059	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GRPH1A	Analyte	1.00	10.10	4014363	0	4014393.000	bb		0.779	77.9	0.005	0.950	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GRPH1A	Analyte	1.00	10.15	3319608	0	3319607.500	bb		0.644	64.4	0.005	1.039	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GRPH1A	Analyte	1.00	10.17	3685109	0	3685108.500	bb		0.715	71.5	0.005	1.059	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GRPH1A	Analyte	1.00	10.10	3912668	0	3912668.250	bb		0.759	75.9	0.005	1.053	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GRPH1A	Analyte	1.00	10.07	3774254	0	3774253.500	bb		0.732	73.2	0.005	1.061	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	1.00	10.00	4414331	0	4414330.500	bb		0.857	85.7	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GRPH1A	Analyte	1.00	10.10	4247042	0	4247041.500	bb		0.824	82.4	0.005	1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GRPH1A	QC	1.00	10.10	3266024	0	3266024.250	bb		0.634	63.4	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GRPH1A	QC	1.00	10.07	3354932	0	3354931.750	bb		0.651	65.1	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	1.00	10.00	4392416	0	4392416.000	bb		0.852	85.2	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\WetHDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 3: RDX Sample List: ex24f08(6) Method File: ex24f08
 Coefficient of Determination: 0.999254
 Calibration curve: $0.00321185 * x + 0.00807398$
 Response type: Internal Std (Ref 2), Area - (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	Rt	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank				5391933	2							1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	10.00	137187	5667114	2	0.024	bb	5.023	100.5	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	10.02	213202	5536363	2	0.039	bb	9.476	94.8	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	9.97	500553	5583307	2	0.088	bb	24.884	99.5	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	10.00	919586	5357898	2	0.172	bb	50.923	101.8	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	9.95	1784959	5074583	2	0.348	bb	105.774	105.8	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	9.97	2930286	4552509	2	0.644	bb	197.889	98.9	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	9.97	4023773	4196329	2	0.959	bb	296.031	98.7	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank				5568371	2							1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	9.97	1471385	4768572	2	0.309	bb	93.555	93.6	1.000	1.000	1.00	50	ex24f08
11 ex24f0811	50 ug/L	856.65.7	QC	50.00	10.00	837494	4750618	2	0.176	bb	52.374	104.7	1.000	1.000	1.00	50	ex24f08
12 ex24f0812	R4F070000-119 MB	GHPJN1AA	Blank				4319325	2							1.00	50	ex24f08
13 ex24f0813	R4F070000-119 LCS	GHPJN1AC	QC				3838020	2	0.325	bb	0.494	98.8	0.005	1.000	1.00	50	ex24f08
14 ex24f0814	D4F040396-1	CHNQTUAC	Analyte	100.00	10.10	1249238	3955716	2							1.00	50	ex24f08
15 ex24f0815	D4F040396-2	CHNQTUAC	Analyte				3922610	2							1.00	50	ex24f08
16 ex24f0816	D4F040396-3	CHNQTUAC	Analyte				4014393	2							1.00	50	ex24f08
17 ex24f0817	D4F040396-4	CHNQTUAC	Analyte				3319608	2							1.00	50	ex24f08
18 ex24f0818	D4F050141-1	GHPGJ1AC	Analyte				3685109	2							1.00	50	ex24f08
19 ex24f0819	D4F050141-2	GHPGJ1AC	Analyte				3912668	2							1.00	50	ex24f08
20 ex24f0820	D4F050141-3	GHPGJ1AC	Analyte				3774254	2							1.00	50	ex24f08
21 ex24f0821	100 ug/L	856.65.8	QC	100.00	9.97	1529304	4414331	2	0.346	bb	105.350	105.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0822	D4F050141 4	GHPH11AC	Analyte				4247042	2							1.00	50	ex24f08
23 ex24f0823	D4F050141 4 MS	GHPH11AF	QC	100.00	10.10	1079872	3266024	2	0.331	bb	0.474	100.4	0.005	1.060	1.00	50	ex24f08
24 ex24f0824	D4F050141 4 MSD	GHPH11AG	QC	100.00	10.07	1093548	3354932	2	0.326	bb	0.498	99.0	0.005	0.994	1.00	50	ex24f08
25 ex24f0825	50 ug/L	856.65.7	QC	50.00	10.00	789961	4392416	2	0.180	bb	53.481	107.0	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives\PRO\MethodDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 4: 1,3,5-Trinitrobenzene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.996994
 Calibration curve: $-4.26869e-6 * x^2 + 0.00881698 * x + 0.0513044$
 Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal. File
1 ex24f0801	Blank	856.65.3	Blank			1360486	1360486	6							1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	12.43	130479	1329636	6	0.098	bb	5.325	106.5	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	12.49	180690	1382308	6	0.131	bb	9.046	90.5	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	12.43	362861	1379407	6	0.263	bb	24.302	97.2	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	12.43	68473	1347899	6	0.506	bb	52.877	105.8	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	12.43	123086	1340821	6	0.923	bb	104.161	104.2	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	12.43	211565	1365016	6	1.550	bb	186.867	93.4	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	12.43	3161831	1339193	6	2.361	bb	307.783	102.6	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.11	Blank			3088	1301398	6	0.002	bb	0.000				1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	12.49	971153	1283310	6	0.757	bb	83.376	83.4	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00	12.49	590488	1248547	6	0.473	bb	48.981	98.0	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	RAF070000.119 MB		Blank			1189205	1189205	6			0.434	86.9	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	RAF070000.119 LCS		Blank			1237834	1237834	6							1.00	50	ex24f08
14 ex24f0863	DAF040396-1		GNUTJAC Analyte			1367956	1367956	6							1.00	50	ex24f08
15 ex24f0864	DAF040396-2		GNUTJAC Analyte			1246719	1246719	6							1.00	50	ex24f08
16 ex24f0865	DAF040396-3		GNUTJAC Analyte			6721	1261860	6	0.005	bb	0.000	0.005	0.005	1.039	1.00	50	ex24f08
17 ex24f0866	DAF040396-4		GNUTJAC Analyte		12.49	2569	1237703	6	0.002	bb	0.000	0.005	0.005	1.053	1.00	50	ex24f08
18 ex24f0867	DAF050141-1		GNUTJAC Analyte		12.83		1268782	6							1.00	50	ex24f08
19 ex24f0868	DAF050141-2		GNUTJAC Analyte			1035189	1265742	6			90.944	90.9	1.000	1.000	1.00	50	ex24f08
20 ex24f0869	DAF050141-3		GNUTJAC Analyte				1274261	6							1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00	12.43		1274261	6	0.818	bb					1.00	50	ex24f08
22 ex24f0871	DAF050141-4		GNUTJAC Analyte				1274261	6							1.00	50	ex24f08
23 ex24f0872	DAF050141-4 MS		GNUTJAC Analyte			947529	1211557	6	0.782	bb	0.408	86.5	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	DAF050141-4 MSD		GNUTJAC Analyte			915867	1161069	6	0.789	bb	0.439	87.3	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00	12.50	579921	1299096	6	0.446	bb	45.828	91.7	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymerski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:
Printed: Thu Jun 10 08:52:08 2004

Compound 5: Tetryl Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999660
Calibration curve: $-9.89556e-6 * x^2 + 0.0154788 * x + 0.0390892$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank				1360486	6							1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	13.94	163969	1329636	6	0.123	dd	5.461	109.2	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	14.00	243644	1382308	6	0.176	dd	8.913	89.1	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	14.00	584128	1379407	6	0.423	dd	25.240	101.0	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	14.00	1054659	1347899	6	0.782	dd	43.597	99.2	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	13.94	2046126	1340821	6	1.526	dd	102.822	102.8	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	13.93	3678798	1365016	6	2.695	dd	196.196	98.1	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	13.93	5102913	1339393	6	3.810	dd	301.864	100.6	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank				1301398	6							1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	13.94	1746031	1283310	6	1.361	dd	90.624	90.6	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00	14.00	965624	1248547	6	0.773	dd	48.973	97.9	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GH93N1AA	Blank				1189205	6							1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GH93N1AC	QC	100.00	14.07	1796998	1261229	6	1.425	dd	0.477	95.3	0.005	1.064	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GH93N1AC	Analyte				1237834	6					0.005	1.059	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GH93N1AC	Analyte				1267956	6					0.005	0.950	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GH93N1AC	Analyte				1246719	6					0.005	1.039	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GH93N1AC	Analyte				1261860	6					0.005	1.039	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GH93N1AC	Analyte				1237703	6					0.005	1.059	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GH93N1AC	Analyte				1161818	6					0.005	1.053	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GH93N1AC	Analyte				1268782	6					0.005	1.061	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00	13.93	1464704	1265742	6	1.157	dd	75.919	75.9	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GH93N1AC	Analyte				1274261	6					0.005	1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GH93N1AC	QC	100.00	14.08	1265783	1211557	6	1.045	dd	0.320	67.9	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GH93N1AC	QC	100.00	14.07	1346938	1161069	6	1.160	dd	0.383	76.1	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00	14.01	909083	1299096	6	0.700	dd	43.917	87.8	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

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Compound 6: Dinitrobenzene-d4 (IS) Sample List: ex24f08(6) Method File: ex24f08
Response Factor: 1.354936
REF SD: 20737.0, & Relative SD: 1.53049
Response type: External Std, Area
Curve type: RF

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank	1.00	14.53	1360486			0	1360486.125	bb	1.004	100.4	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	1.00	14.54	1329636			0	1329635.750	bb	0.981	98.1	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	1.00	14.53	1382308			0	1382308.250	bb	1.020	102.0	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	1.00	14.54	1379407			0	1379407.250	bb	1.018	101.8	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	1.00	14.54	1347899			0	1347899.375	bb	0.995	99.5	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	1.00	14.54	1340821			0	1340821.125	bb	0.990	99.0	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	1.00	14.53	1365016			0	1365015.750	bb	1.007	100.7	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	1.00	14.53	1339393			0	1339392.500	bb	0.989	98.9	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank	1.00	14.53	1301398			0	1301397.750	bb	0.960	96.0	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	1.00	14.54	1283310			0	1283309.500	bb	0.947	94.7	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	1.00	14.60	1248547			0	1248546.875	bb	0.921	92.1	1.000	1.00	50	ex24f08
12 ex24f0861	R4P070000-119 MB	GHPIALAC	Blank	1.00	14.68	1189205			0	1189204.875	bb	0.878	87.8	1.000	1.00	50	ex24f08
13 ex24f0862	R4P070000-119 LCS	GHPIALAC	QC	1.00	14.67	1261229			0	1261229.000	bb	0.931	93.1	1.000	1.00	50	ex24f08
14 ex24f0863	DAF040396-1	GHPIALAC	Analyte	1.00	14.68	1237834			0	1237834.250	bb	0.936	93.6	1.000	1.00	50	ex24f08
15 ex24f0864	DAF040396-2	GHPIALAC	Analyte	1.00	14.67	1267956			0	1267955.625	bb	0.920	92.0	1.000	1.00	50	ex24f08
16 ex24f0865	DAF040396-3	GHPIALAC	Analyte	1.00	14.68	1246719			0	1246718.750	bb	0.931	93.1	1.000	1.00	50	ex24f08
17 ex24f0866	DAF040396-4	GHPIALAC	Analyte	1.00	14.73	1267860			0	1267859.750	bb	0.931	93.1	1.000	1.00	50	ex24f08
18 ex24f0867	DAF050141-1	GHPIALAC	Analyte	1.00	14.73	1237703			0	1237703.000	bb	0.931	93.1	1.000	1.00	50	ex24f08
19 ex24f0868	DAF050141-2	GHPIALAC	Analyte	1.00	14.61	1161818			0	1161818.375	bb	0.857	85.7	1.000	1.00	50	ex24f08
20 ex24f0869	DAF050141-3	GHPIALAC	Analyte	1.00	14.67	1268782			0	1268781.875	bb	0.936	93.6	1.000	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	1.00	14.53	1265742			0	1265742.125	bb	0.934	93.4	1.000	1.00	50	ex24f08
22 ex24f0871	DAF050141-4	GHPIALAC	Analyte	1.00	14.67	1274261			0	1274260.500	bb	0.940	94.0	1.000	1.00	50	ex24f08
23 ex24f0872	DAF050141-4 MS	GHPIALAC	QC	1.00	14.68	1211557			0	1211556.625	bb	0.894	89.4	1.000	1.00	50	ex24f08
24 ex24f0873	DAF050141-4 MSD	GHPIALAC	QC	1.00	14.67	1161069			0	1161069.000	bb	0.857	85.7	1.000	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	1.00	14.61	1299096			0	1299096.375	bb	0.959	95.9	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 7: 1,3-Dinitrobenzene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999794
Calibration curve: $0.00469986 \cdot x + 0.00624284$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	WAc	Vs(L)	Vs(L or kg)	DF	Inj	Cal File
1	ex24f0801	Blank	856.65.3	Blank			1360486	6			5.555	111.1	1.000	1.000	1.00	50	ex24f08
2	ex24f0802	5 ug/L	856.65.4	Standard	5.00 14.67	43017	1329636	6	0.032	bb	9.554	95.5	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	10.00 14.67	70701	1382308	6	0.051	bb	23.430	91.7	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	25.00 14.67	160506	1379407	6	0.116	bs	49.537	99.1	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	50.00 14.67	322226	1374899	6	0.239	bb	100.257	100.3	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	100.00 14.67	640155	1340821	6	0.477	bb	198.477	99.2	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.9	Standard	200.00 14.67	1281826	1365016	6	0.939	bb	303.191	101.1	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.10	Standard	300.00 14.67	1916937	1339393	6	1.431	bb					1.00	50	ex24f08
9	ex24f0809	Blank	856.65.3	Blank			1301398	6			84.909	84.9	1.000	1.000	1.00	50	ex24f08
10	ex24f0810	100 ug/L ICV	856.65.11	QC	100.00 14.67	520133	1283310	6	0.405	bb	49.624	99.2	1.000	1.000	1.00	50	ex24f08
11	ex24f0860	50 ug/L	856.65.7	QC	50.00 14.73	298590	1248547	6	0.239	bs					1.00	50	ex24f08
12	ex24f0861	RAF070000-119 MB	GHP3N1AA	Blank			1189205	6			0.474	94.8	0.005	1.000	1.00	50	ex24f08
13	ex24f0862	RAF070000-119 LCS	GHP3N1AC	QC		570042	1261229	6	0.452	bb					1.00	50	ex24f08
14	ex24f0863	D4F040396-1	GHP001AC	Analyte			1267956	6					0.005	0.950	1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GHP001AC	Analyte			1246719	6					0.005	1.039	1.00	50	ex24f08
16	ex24f0865	D4F040396-3	GHP001AC	Analyte			1261860	6					0.005	1.059	1.00	50	ex24f08
17	ex24f0866	D4F040396-4	GHP001AC	Analyte			1237703	6					0.005	1.053	1.00	50	ex24f08
18	ex24f0867	D4F050141-1	GHPG91AC	Analyte			1161818	6					0.005	1.061	1.00	50	ex24f08
19	ex24f0868	D4F050141-2	GHPG91AC	Analyte			1268782	6					0.005	1.000	1.00	50	ex24f08
20	ex24f0869	D4F050141-3	GHPG91AC	Analyte			1265742	6	0.477	bb	100.265	100.3	1.000	1.000	1.00	50	ex24f08
21	ex24f0870	100 ug/L	856.65.8	QC	100.00 14.67	604362	1274261	6							1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GHPH11AC	Analyte			1211557	6					0.005	1.058	1.00	50	ex24f08
23	ex24f0872	D4F050141-4 MS	GHPH11AF	QC	100.00 14.81	558644	1211557	6	0.461	bb	0.457	96.8	0.005	1.060	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 MSD	GHPH11AG	QC	100.00 14.80	561912	1161069	6	0.484	bb	0.511	101.6	0.005	0.994	1.00	50	ex24f08
25	ex24f0874	50 ug/L	856.65.7	QC	50.00 14.74	302979	1299096	6	0.233	bb	48.295	96.6	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleData\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 8: Nitrobenzene-d5 Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.999839

Calibration curve: $0.00378550 \times x + 0.00252420$

Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C...	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank		15.67	221746	1360486	6	0.163	bb	48.841	97.7	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	15.67	27222	1329636	6	0.020	bb	5.463	109.3	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	15.67	47237	1382308	6	0.034	bb	9.633	96.3	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	15.67	109531	1379407	6	0.079	bb	23.400	93.6	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	15.67	229594	1347899	6	0.165	bb	49.495	99.0	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	15.67	453241	1340821	6	0.338	bb	102.118	102.1	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	15.67	893387	1365016	6	0.654	bb	198.437	99.2	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	15.67	1329956	1339393	6	0.993	bb	301.455	100.5	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank		15.67	204422	1301398	6	0.157	bb	47.041	94.1	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	15.67	412590	1283310	6	0.322	bb	97.087	97.1	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00	15.73	206157	1248547	6	0.165	bb	49.488	99.0	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	CHP3N1AA	Blank		15.81	339556	1189205	6	0.285	bb	0.429	85.9	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	CHP3N1AC	QC	100.00	15.87	375248	1261229	6	0.298	bb	0.449	89.8	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040398-1	CHN3Q1AC	Analyte		15.81	325992	1237834	6	0.261	bb	0.369	78.6	0.005	1.064	1.00	50	ex24f08
15 ex24f0864	D4F040398-2	CHN3Q1AC	Analyte		15.80	383000	1267956	6	0.302	bb	0.430	91.2	0.005	1.059	1.00	50	ex24f08
16 ex24f0865	D4F040398-3	CHN3Q1AC	Analyte		15.81	378414	1246719	6	0.302	bb	0.480	91.1	0.005	1.050	1.00	50	ex24f08
17 ex24f0866	D4F040398-4	CHN3Q1AC	Analyte		15.87	2381	1261860	6	0.002	bb	0.000	0.0	0.005	1.039	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GHNP1AC	Analyte		15.87	7560	1237703	6	0.006	bb	0.005	1.1	0.005	1.059	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHNP1AC	Analyte		15.75	374457	1161818	6	0.322	bb	0.462	97.3	0.005	1.053	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHNP1AC	Analyte		15.80	375390	1268782	6	0.296	bb	0.421	89.3	0.005	1.061	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00	15.67	410284	1265742	6	0.324	bb	97.891	97.9	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHNP1AC	Analyte		15.80	379502	1274261	6	0.298	bb	0.425	89.9	0.005	1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GHNP1AC	QC	100.00	15.81	359620	1211557	6	0.297	bb	0.423	89.6	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHNP1AC	QC	100.00	15.80	343115	1161069	6	0.300	bb	0.455	90.5	0.005	1.094	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00	15.68	212177	1299096	6	0.163	bb	48.943	97.9	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 9: Nitroglycerin Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.995185
Calibration curve: $-1.73726e-6 \cdot x^2 + 0.00121701 \cdot x + 0.00554784$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank				1360486	6			4.444	88.9	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	15.27	14522	1329636	6	0.011	db	10.206	102.1	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	15.27	24587	1382308	6	0.018	ds	28.835	115.3	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	15.27	54067	1379407	6	0.039	ds	46.371	92.7	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	15.34	78510	1347899	6	0.058	db	105.262	105.3	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	15.27	153395	1340821	6	0.114	ds	181.735	90.9	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	15.27	231157	1365016	6	0.169	ds			1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	15.27	294413	1339393	6	0.220	dsI			1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank				1301398	6			112.643	112.6	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	15.27	154757	1283310	6	0.121	ds	53.237	106.5	1.000	1.000	1.00	50	ex24f08
11 ex24f0810	50 ug/L QC	856.65.7	QC	50.00	15.40	81673	1248547	6	0.065	ds			1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHP3N1AA	Blank				1189205	6			0.451	90.2	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GHP3N1AC	QC	100.00	15.47	127598	1237703	6	0.101	db			0.005	1.064	1.00	50	ex24f08
14 ex24f0863	D4F040396 1	GHP3N1AC	Analyte				1237834	6					0.005	1.059	1.00	50	ex24f08
15 ex24f0864	D4F040396 2	GHP3N1AC	Analyte				1267956	6					0.005	0.950	1.00	50	ex24f08
16 ex24f0865	D4F040396 3	GHP3N1AC	Analyte				1246719	6					0.005	1.039	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GHP3N1AC	Analyte				1261860	6					0.005	1.059	1.00	50	ex24f08
18 ex24f0867	D4F050141 1	GHP3N1AC	Analyte				1237703	6					0.005	1.053	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHP3N1AC	Analyte				1161818	6					0.005	1.061	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHP3N1AC	Analyte				1268782	6					0.005	1.000	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00	15.27	164026	1265742	6	0.130	ds	123.802	123.8	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHP3N1AC	Analyte				1274261	6					0.005	1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141 4 MS	GHP3N1AF	QC	100.00	15.35	82607	1211557	6	0.068	db	0.264	55.9	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHP3N1AG	QC	100.00	15.40	112607	1161069	6	0.097	ds	0.431	85.6	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00	15.35	88390	1299096	6	0.068	ds	55.792	111.6	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 10: Nitrobenzene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999681
Calibration curve: $0.00326264 * x + 0.00287069$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	NT	Area	IS Area	IS#	Response	Flags	Result	%Rec	VF(L)	Vs(L or kg)	DP	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank		15.87	1066	1360486	6	0.001	bb	0.000	109.8	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 µg/L	856.65.4	Standard	5.00	15.34	27630	1329636	6	0.021	bb	5.489	93.1	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	10.00	15.94	45949	1382308	6	0.033	bb	9.308	96.2	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	25.00	15.94	112221	1379407	6	0.081	bb	24.055	97.5	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	50.00	15.94	218342	1347899	6	0.162	bb	48.769	103.5	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	100.00	15.94	456710	1340821	6	0.341	bb	103.520	100.7	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	200.00	15.94	900826	1365016	6	0.660	bb	201.391	99.2	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	300.00	15.94	1303764	1339393	6	0.973	bb	297.467	91.5	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank		16.27	696	1301398	6	0.001	bb	0.000	91.5	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 µg/L ICV	856.65.11	QC	100.00	15.94	386899	1283310	6	0.301	bb	91.525	99.7	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 µg/L	856.65.7	QC	50.00	16.00	206652	1248547	6	0.166	bb	49.850	89.7	0.005	1.000	1.00	50	ex24f08
12 ex24f0861	R4F07000-119 MB	GRPHIAA	Blank			373684	1189205	6	0.295	bb	0.448	89.7	0.005	1.064	1.00	50	ex24f08
13 ex24f0862	R4F07000-119 LCS	GRPHIAC	QC				1237834	6					0.005	1.059	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GRPHIAC	Analyte				1267956	6					0.005	0.950	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GRPHIAC	Analyte				1246719	6					0.005	1.039	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GRPHIAC	Analyte				1261860	6					0.005	1.059	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GRPHIAC	Analyte				1237703	6					0.005	1.061	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GRPHIAC	Analyte				1161818	6					0.005	1.061	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GRPHIAC	Analyte				1268782	6					0.005	1.061	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GRPHIAC	Analyte				1265742	6	0.329	bb	100.065	100.1	1.000	1.000	1.00	50	ex24f08
21 ex24f0870	100 µg/L	856.65.8	QC	100.00	15.94	416870	1274261	6					0.005	1.058	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GRPHIAC	Analyte				1274261	6					0.005	1.060	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GRPHIAC	QC	100.00	16.08	362529	1211557	6	0.299	bb	0.428	90.8	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MS	GRPHIAC	QC	100.00	16.14	352595	1161069	6	0.304	bb	0.464	92.2	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 µg/L	856.65.7	QC	50.00	16.01	207941	1299096	6	0.160	bb	48.180	96.4	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives_PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 11: 2,4,6-Trinitrotoluene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.999412
Calibration curve: $0.0197297 \cdot x + 0.0572229$
Response type: Internal Std (Ref 6) Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1	ex24f0801	Blank	856.65.3 Blank				1360486	6							1.00	50	ex24f08
2	ex24f0802	5 ug/L	856.65.4 Standard	5.00 16.81		208869	1325636	6	0.157	bb	5.062	101.2	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5 Standard	10.00 16.80		331462	1382308	6	0.240	bs	9.254	92.5	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6 Standard	25.00 16.81		763530	1379407	6	0.534	bb	25.155	100.6	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7 Standard	50.00 16.80		1475215	1347899	6	1.034	bs	52.572	105.1	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8 Standard	100.00 16.81		2802048	1340821	6	2.090	bb	103.021	103.0	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.9 Standard	200.00 16.80		5323809	1365016	6	3.900	bb	194.780	97.4	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.10 Standard	300.00 16.80		8008512	1339393	6	5.979	bb	300.156	100.1	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	Blank	856.65.3 Blank				1301398	6							1.00	50	ex24f08
10	ex24f0810	100 ug/L ICV	856.65.11 QC	100.00 16.81		2415242	1283310	6	1.882	bs	92.491	92.5	1.000	1.000	1.00	50	ex24f08
11	ex24f0810	50 ug/L	856.65.7 QC	50.00 16.87		1342547	1248547	6	1.075	bb	51.601	103.2	1.000	1.000	1.00	50	ex24f08
12	ex24f0811	R4F070000-119 MB	GHPIIIAA Blank				1189205	6							1.00	50	ex24f08
13	ex24f0812	R4F070000-119 LCS	GHPIIIAA QC				1261229	6	1.833	bs	0.450	90.0	0.005	1.000	1.00	50	ex24f08
14	ex24f0813	D4F040396-1	GHPIIIAA Analyte	100.00 16.94		2311933	1237834	6							1.00	50	ex24f08
15	ex24f0814	D4F040396-2	GHPIIIAA Analyte				1267956	6							1.00	50	ex24f08
16	ex24f0815	D4F040396-3	GHPIIIAA Analyte				1246719	6							1.00	50	ex24f08
17	ex24f0816	D4F040396-4	GHPIIIAA Analyte				1261860	6							1.00	50	ex24f08
18	ex24f0817	D4F050141-1	GHPIIIAA Analyte				1237703	6							1.00	50	ex24f08
19	ex24f0818	D4F050141-2	GHPIIIAA Analyte				1161818	6							1.00	50	ex24f08
20	ex24f0819	D4F050141-3	GHPIIIAA Analyte				1268782	6							1.00	50	ex24f08
21	ex24f0820	100 ug/L	856.65.8 QC	100.00 16.80		2666876	1265742	6	2.107	bb	103.891	103.9	1.000	1.000	1.00	50	ex24f08
22	ex24f0821	D4F050141-4	GHPIIIAA Analyte				1274261	6							1.00	50	ex24f08
23	ex24f0822	D4F050141-4 MS	GHPIIIAA QC	100.00 16.95		2236712	1211557	6	1.846	bs	0.428	90.7	0.005	1.000	1.00	50	ex24f08
24	ex24f0823	D4F050141-4 MSD	GHPIIIAA QC	100.00 16.94		2115368	1161069	6	1.822	bs	0.450	89.4	0.005	0.994	1.00	50	ex24f08
25	ex24f0824	50 ug/L	856.65.7 QC	50.00 16.81		1343194	1299096	6	1.034	bs	49.505	99.0	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 12: 4-Amino-2,6-dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999892
Calibration curve: $0.00384779 \cdot x + 0.00731589$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal File
1	ex24f0801	Blank	856.65.3	Blank	5.00	17.52	112715	3817177	15				1.000	1.000	1.00	50	ex24f08
2	ex24f0802	5 ug/L	856.65.4	Standard	10.00	17.52	177105	3855573	15	0.029	5.696	113.9	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	25.00	17.52	403385	4177753	15	0.042	9.116	91.2	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	50.00	17.52	786070	4009979	15	0.196	24.107	96.4	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	100.00	17.52	1534346	3932798	15	0.390	49.044	99.1	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	200.00	17.52	3098139	3981381	15	0.778	99.492	100.2	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.10	Standard	300.00	17.52	4580788	3914677	15	1.170	302.210	100.7	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.3	Blank	18.42		15	3861971	15		0.000		1.000	1.000	1.00	50	ex24f08
10	ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	17.52	1296034	3925735	15	0.330	83.9	83.9	1.000	1.000	1.00	50	ex24f08
11	ex24f0820	50 ug/L	856.65.7	QC	50.00	17.58	712346	3646216	15	0.195	48.872	97.7	1.000	1.000	1.00	50	ex24f08
12	ex24f0851	R4F070000-119 MB	GH93N1AA	Blank				3561077	15		0.430	85.9	0.005	1.000	1.00	50	ex24f08
13	ex24f0862	R4F070000-119 LCS	GH93N1AC	QC				3704884	15	0.338			0.005	1.000	1.00	50	ex24f08
14	ex24f0863	D4F040396-1	GH93N1AC	Analyte				3671629	15				0.005	1.000	1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GH93N1AC	Analyte				3567678	15				0.005	1.000	1.00	50	ex24f08
16	ex24f0865	D4F040396-3	GH93N1AC	Analyte				3664496	15				0.005	1.000	1.00	50	ex24f08
17	ex24f0866	D4F040396-4	GH93N1AC	Analyte				3651261	15				0.005	1.000	1.00	50	ex24f08
18	ex24f0867	D4F050141-1	GH93N1AC	Analyte				3510469	15				0.005	1.000	1.00	50	ex24f08
19	ex24f0868	D4F050141-2	GH93N1AC	Analyte				3902049	15				0.005	1.000	1.00	50	ex24f08
20	ex24f0869	D4F050141-3	GH93N1AC	Analyte				3893723	15	0.383	97.735	97.7	1.000	1.000	1.00	50	ex24f08
21	ex24f0870	100 ug/L	856.65.8	QC	100.00	17.45	1492776	3704475	15				0.005	1.000	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GH93N1AC	Analyte				3547519	15	0.363	0.436	92.5	0.005	1.000	1.00	50	ex24f08
23	ex24f0872	D4F050141-4 MS	GH93N1AC	QC	100.00	17.66	1288847	3528786	15	0.357	0.457	90.9	0.005	1.000	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 MSD	GH93N1AC	QC	100.00	17.65	1260408	3784978	15	0.195	48.904	97.8	1.000	1.000	1.00	50	ex24f08
25	ex24f0874	50 ug/L	856.65.7	QC	50.00	17.53	739913										

Analyst: Mark Dynarski

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 13: 2-Amino-4,6-dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08
 Coefficient of Determination: 0.999315
 Calibration curve: $0.0037828 * x + 0.00951427$
 Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Test	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank				3817177	15								50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00 18.75	18.75	97452	3855573	15	0.025	db	4.808	96.2	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00 18.75	18.75	168873	4177753	15	0.040	db	9.428	94.3	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00 18.75	18.75	379076	4030853	15	0.094	db	25.785	103.1	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00 18.75	18.75	726480	4009979	15	0.181	db	52.361	104.7	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00 18.75	18.75	1381644	3932788	15	0.351	db	104.262	104.3	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00 18.75	18.75	2621255	3981381	15	0.658	db	197.928	99.0	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00 18.75	18.75	3828594	3914677	15	0.978	db	285.428	98.5	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank			809	3861971	15	0.000	bb	0.000				1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00 18.75	18.87	1251251	3925735	15	0.319	db	94.323	94.3	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00 18.81	18.81	684563	3646216	15	0.188	db	54.368	108.7	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHPIIIAA	Blank				3561077	15								50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GHPIIIAC	QC				3704864	15	0.332	db	0.491	98.2	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GHPIIIAC	Analyte				3701904	15	0.005					1.064	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GHPIIIAC	Analyte				3671629	15	0.005					1.059	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GHPIIIAC	Analyte				3567678	15	0.005					0.950	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GHPIIIAC	Analyte				3664496	15	0.005					1.039	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GHPIIIAC	Analyte				3651261	15	0.005					1.059	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHPIIIAC	Analyte				3510469	15	0.005					1.053	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHPIIIAC	Analyte				3902049	15	0.005					1.061	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00 18.75	18.89	1355191	3693722	15	0.348	db	103.265	103.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHPIIIAC	Analyte				3704475	15	0.005					1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GHPIIIAC	QC				3547519	15	0.338	db	0.473	100.3	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHPIIIAC	QC				3528786	15	0.323	db	0.480	95.5	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00 18.82	18.82	696682	3784978	15	0.184	db	53.245	106.5	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

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Compound 14: 2,6-Dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.999723

Calibration curve: $0.00939387 * x + 0.0126380$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1	ex24f0801		Blank				3817177	15							1.00	50	ex24f08
2	ex24f0802	856.65.3	Blank				3855573	15							1.00	50	ex24f08
3	ex24f0803	856.65.4	Standard	5.00	18.97	255576	4177753	15	0.066	bd	5.711	114.2	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	856.65.5	Standard	10.00	18.96	411968	4030853	15	0.099	bd	9.132	91.3	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	856.65.6	Standard	25.00	18.97	931465	4009979	15	0.231	bd	23.324	93.0	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	856.65.7	Standard	50.00	18.96	1908512	3932798	15	0.476	bd	49.320	98.6	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	856.65.8	Standard	100.00	18.97	3815210	3981381	15	0.970	bd	101.924	101.9	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	856.65.9	Standard	200.00	18.96	7634916	3914677	15	1.918	bd	202.794	101.4	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	856.65.10	Standard	300.00	18.96	11002421	3861971	15	2.811	bd	297.845	99.3	1.000	1.000	1.00	50	ex24f08
10	ex24f0810	856.65.11	QC	100.00	18.97	3264129	3925735	15	0.831	bd	87.167	87.2	1.000	1.000	1.00	50	ex24f08
11	ex24f0860	856.65.7	QC	50.00	19.03	1789872	3646216	15	0.491	bd	50.911	101.8	1.000	1.000	1.00	50	ex24f08
12	ex24f0861	GRPNIAA	Blank				3561077	15							1.00	50	ex24f08
13	ex24f0862	R4F070000-119 LCS	GRPNIAA	QC			3701864	15	0.873	bd	0.458	91.6	0.005	1.064	1.00	50	ex24f08
14	ex24f0863	D4F040396-1	GRPNIAA	Analyte			3701804	15							1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GRPNIAA	Analyte			3671629	15							1.00	50	ex24f08
16	ex24f0865	D4F040396-3	GRPNIAA	Analyte			3567678	15							1.00	50	ex24f08
17	ex24f0866	D4F040396-4	GRPNIAA	Analyte			3664496	15							1.00	50	ex24f08
18	ex24f0867	D4F050141-1	GRPNIAA	Analyte			3651261	15							1.00	50	ex24f08
19	ex24f0868	D4F050141-2	GRPNIAA	Analyte			3510469	15							1.00	50	ex24f08
20	ex24f0869	D4F050141-3	GRPNIAA	Analyte			3902049	15							1.00	50	ex24f08
21	ex24f0870	856.65.8	QC	100.00	18.90	3695958	3893722	15	0.949	bd	99.700	99.7	1.000	1.000	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GRPNIAA	Analyte			3704475	15							1.00	50	ex24f08
23	ex24f0872	D4F050141-4 MS	GRPNIAA	QC			3248251	15	0.916	bd	0.453	96.1	0.005	1.060	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 MSD	GRPNIAA	QC			3528786	15	0.858	bd	0.453	90.0	0.005	0.994	1.00	50	ex24f08
25	ex24f0874	856.65.7	QC	50.00	18.98	1740602	3784978	15	0.460	bd	47.609	95.2	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymerski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 15: 2,4-Dinitrotoluene-d3 (IS) Sample List: ex24f08(6) Method File: ex24f08

Response Factor: 3.9861466

RF SD: 103526, % Relative SD: 2.59715

Response type: External Std, Area

Curve type: RF

# Name	Sample Test	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal File	
1 ex24f0801	Blank	856.65.3	Blank		19.80	3817177			0.3817176	750	db	0.958	95.8	1.000	1.00	50	ex24f08	
2 ex24f0802	5 µg/L	856.65.4	Standard	1.00	19.81	3855573			0.3855572	500	db	0.967	96.7	1.000	1.00	50	ex24f08	
3 ex24f0803	10 µg/L	856.65.5	Standard	1.00	19.80	4172753			0.4172753	250	db	1.048	104.8	1.000	1.00	50	ex24f08	
4 ex24f0804	25 µg/L	856.65.6	Standard	1.00	19.81	4030853			0.4030853	500	db	1.011	101.1	1.000	1.00	50	ex24f08	
5 ex24f0805	50 µg/L	856.65.7	Standard	1.00	19.80	4005979			0.4005978	750	db	1.006	100.6	1.000	1.00	50	ex24f08	
6 ex24f0806	100 µg/L	856.65.8	Standard	1.00	19.81	3932798			0.3932797	500	db	0.987	98.7	1.000	1.00	50	ex24f08	
7 ex24f0807	200 µg/L	856.65.9	Standard	1.00	19.80	3981381			0.3981380	500	db	0.999	99.9	1.000	1.00	50	ex24f08	
8 ex24f0808	300 µg/L	856.65.10	Standard	1.00	19.74	3914677			0.3914677	0.00	db	0.982	98.2	1.000	1.00	50	ex24f08	
9 ex24f0809	Blank	856.65.3	Blank		19.80	3861971			0.3861971	0.00	db	0.969	96.9	1.000	1.00	50	ex24f08	
10 ex24f0810	100 µg/L ICV	856.65.11	QC	1.00	19.81	3925735			0.3925735	250	db	0.985	98.5	1.000	1.00	50	ex24f08	
11 ex24f0860	50 µg/L	856.65.7	QC	1.00	19.86	3646216			0.3646216	250	db	0.915	91.5	1.000	1.00	50	ex24f08	
12 ex24f0861	R4F070000-119 MS	GHP3N1AA	Blank		19.95	3561077			0.3561076	750	db	0.893	89.3	0.005	1.00	50	ex24f08	
13 ex24f0862	R4F070000-119 LCS	GHP3N1AC	QC	1.00	19.93	3704864			0.3704864	0.00	db	0.929	92.9	0.005	1.00	50	ex24f08	
14 ex24f0863	D4F040396-1	GHP3Q1AC	Analyte		19.95	3701904			0.3701904	0.00	db	0.929	92.9	0.005	1.00	50	ex24f08	
15 ex24f0864	D4F040396-2	GHP3Q1AC	Analyte		19.93	3701629			0.3701628	750	db	0.921	92.1	0.005	1.00	50	ex24f08	
16 ex24f0865	D4F040396-3	GHP3Q1AC	Analyte		19.88	3567678			0.3567677	500	db	0.895	89.5	0.005	1.00	50	ex24f08	
17 ex24f0866	D4F040396-4	GHP3Q1AC	Analyte		19.93	3664496			0.3664496	250	db	0.919	91.9	0.005	1.00	50	ex24f08	
18 ex24f0867	D4F050141-1	GHP3Q1AC	Analyte		19.93	3651261			0.3651261	250	db	0.916	91.6	0.005	1.00	50	ex24f08	
19 ex24f0868	D4F050141-2	GHP3Q1AC	Analyte		19.88	3510469			0.3510469	250	db	0.881	88.1	0.005	1.00	50	ex24f08	
20 ex24f0869	D4F050141-3	GHP3Q1AC	Analyte		19.86	3902049			0.3902049	0.00	db	0.979	97.9	0.005	1.00	50	ex24f08	
21 ex24f0870	100 µg/L	856.65.8	QC	1.00	19.74	3893722			0.3893721	500	db	0.977	97.7	1.000	1.00	50	ex24f08	
22 ex24f0871	D4F050141-4	GHP3H1AC	Analyte		19.86	3704475			0.3704475	0.00	db	0.929	92.9	0.005	1.00	50	ex24f08	
23 ex24f0872	D4F050141-4 MS	GHP3H1AC	QC	1.00	19.95	3547519			0.3547519	0.00	db	0.890	89.0	0.005	1.00	50	ex24f08	
24 ex24f0873	D4F050141-4 MSD	GHP3H1AC	QC	1.00	19.93	3528786			0.3528785	750	db	0.885	88.5	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 µg/L	856.65.7	QC	1.00	19.82	3784978			0.3784977	500	db	0.950	95.0	1.000	1.00	50	ex24f08	

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:11:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 16: 2,4-Dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999823
Calibration curve: $0.0048792 \times x + 0.00610633$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C...	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank				3817177	15					1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00 19.93	128976	3855573	15	0.033	db		5.641	112.8	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00 19.93	213047	4377553	15	0.051	db		9.259	92.6	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00 19.93	482256	4030853	15	0.120	db		23.419	93.7	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00 19.93	991349	4009979	15	0.247	db		49.746	99.5	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00 19.93	1939482	3932798	15	0.493	db		100.466	100.5	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00 19.93	3938645	3981381	15	0.989	db		202.801	101.4	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00 19.93	5692040	3914677	15	1.454	db		298.668	99.6	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank			3861971	15						1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00 19.93	1653984	3925735	15	0.421	db		85.648	85.6	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00 19.99	902800	3646216	15	0.248	db		49.814	99.6	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GRF3N1AA	Blank			3561077	15						1.000	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GRF3N1AC	QC			3704864	15	0.465	db		0.473	94.7	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GRNJ01AC	Analyte	100.00 20.12	1723392	3701904	15						0.005	1.064	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GRNJ01AC	Analyte			3671829	15						0.005	1.059	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GRNJ01AC	Analyte			3567878	15						0.005	0.950	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GRNJ01AC	Analyte			3664456	15						0.005	1.039	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GRPH91AC	Analyte			3651261	15						0.005	1.053	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GRPH91AC	Analyte			3510469	15						0.005	1.061	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GRPH91AC	Analyte			3902049	15						0.005	1.000	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00 19.93	1992007	3893722	15	0.512	db		104.269	104.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GRPH91AC	Analyte			3704475	15						0.005	1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GRPH91AC	QC	100.00 20.08	1654373	3547519	15	0.466	db		0.448	94.9	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GRPH91AC	QC	100.00 20.12	1650187	3528786	15	0.468	db		0.479	95.2	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00 20.01	939827	3784978	15	0.248	db		49.959	99.9	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymerski

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 17: 2-Nitrotoluene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.999376

Calibration curve: $0.00194543 * x + 0.00276058$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal-File
1	ex24f0801	Blank	856.65.3	Blank	5.00	22.19	53045	3817177	15	0.014	bd	1.000	1.000	1.00	50	ex24f08
2	ex24f0802	5 ug/L	856.65.4	Standard	10.00	22.25	86342	3855573	15	0.021	bd	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	25.00	22.26	190590	4177753	15	0.047	bd	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	50.00	22.25	395350	4009979	15	0.099	bd	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	100.00	22.19	820542	3932798	15	0.209	bd	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	200.00	22.19	1557844	3981381	15	0.391	bd	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.9	Standard	300.00	22.19	2276175	3914677	15	0.581	bd	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.10	Standard	100.00	22.26	684324	3925735	15	0.174	bd	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	Blank	856.65.3	Blank	50.00	22.32	377937	3646216	15	0.104	bd	1.000	1.000	1.00	50	ex24f08
10	ex24f0810	100 ug/L	856.65.11	QC	100.00	22.45	634764	3561077	15	0.171	bb	1.000	1.000	1.00	50	ex24f08
11	ex24f0860	50 ug/L	856.65.7	QC	100.00	22.45	634764	3701894	15	0.171	bb	1.000	1.000	1.00	50	ex24f08
12	ex24f0861	R4F070000-119 MB	GH3N1A	Blank	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
13	ex24f0862	R4F070000-119 LCS	GH3N1A	QC	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
14	ex24f0863	D4F040396-1	GH3N1A	Analyte	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GH3N1A	Analyte	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
16	ex24f0865	D4F040396-3	GH3N1A	Analyte	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
17	ex24f0866	D4F040396-4	GH3N1A	Analyte	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
18	ex24f0867	D4F050141-1	GH3N1A	Analyte	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
19	ex24f0868	D4F050141-2	GH3N1A	Analyte	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
20	ex24f0869	D4F050141-3	GH3N1A	Analyte	100.00	22.45	634764	3671623	15	0.005		0.005	0.005	1.00	50	ex24f08
21	ex24f0870	100 ug/L	856.65.8	QC	100.00	22.19	771458	3902049	15	0.198	bd	1.000	1.000	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GH3N1A	Analyte	100.00	22.19	771458	3902049	15	0.198	bd	1.000	1.000	1.00	50	ex24f08
23	ex24f0872	D4F050141-4 MS	GH3N1A	QC	100.00	22.45	601468	3547519	15	0.170	bb	1.000	1.000	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 MSD	GH3N1A	QC	100.00	22.45	601468	3547519	15	0.170	bb	1.000	1.000	1.00	50	ex24f08
25	ex24f0874	50 ug/L	856.65.7	QC	50.00	22.27	361215	3784978	15	0.095	bd	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 18: PETHN Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999250
Calibration curve: $-1.5735e-6 * x^2 + 0.00120212 * x + 0.00240288$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DV	Inj	Cal File
1	ex24f0801	Blank	856.65.3	Blank	5.00 22.19	33433	3817177	15	0.009	bb	5.251	105.0	1.000	1.000	1.00	50	ex24f08
2	ex24f0802	5 ug/L	856.65.4	Standard	10.00 22.25	56157	3855573	15	0.013	bb	9.296	93.0	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	25.00 22.19	128718	4177753	15	0.032	bb	25.410	101.6	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	50.00 22.19	231139	4030853	15	0.058	bb	49.584	99.2	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	100.00 22.19	431450	4009979	15	0.110	bb	103.203	103.2	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	200.00 22.25	690006	3932798	15	0.176	bb	182.613	96.3	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.9	Standard	300.00 22.19	874583	3981381	15	0.223	bb	308.124	102.7	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	Blank	856.65.10	Blank	100.00 22.19	402664	3914677	15	0.103	bb	95.185	95.2	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	50 ug/L	856.65.11	QC	50.00 22.32	253269	3925735	15	0.069	bb	60.588	121.2	1.000	1.000	1.00	50	ex24f08
10	ex24f0810	100 ug/L	856.65.12	QC	100.00 22.38	388451	3646216	15	0.105	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
11	ex24f0811	R4F070000-119 MB	GHP3N1AA	Blank	100.00 22.38	388451	3704864	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
12	ex24f0812	R4F070000-119 LCS	GHP3N1AA	QC	100.00 22.38	388451	3701904	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
13	ex24f0813	D4F040396-1	GHP3N1AA	Analyte	100.00 22.38	388451	3671629	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
14	ex24f0814	D4F040396-2	GHP3N1AA	Analyte	100.00 22.38	388451	3567678	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
15	ex24f0815	D4F040396-3	GHP3N1AA	Analyte	100.00 22.38	388451	3664496	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
16	ex24f0816	D4F040396-4	GHP3N1AA	Analyte	100.00 22.38	388451	3651261	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
17	ex24f0817	D4F050141-1	GHP3N1AA	Analyte	100.00 22.38	388451	3510459	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
18	ex24f0818	D4F050141-2	GHP3N1AA	Analyte	100.00 22.38	388451	3902049	15	0.005	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
19	ex24f0819	D4F050141-3	GHP3N1AA	Analyte	100.00 22.38	388451	3893722	15	0.115	bb	109.329	109.3	1.000	1.000	1.00	50	ex24f08
20	ex24f0820	100 ug/L	856.65.8	QC	100.00 22.19	447851	3704475	15	0.105	bb	0.462	97.9	0.005	1.000	1.00	50	ex24f08
21	ex24f0821	D4F050141-4	GHP3N1AA	Analyte	100.00 22.38	388451	3547519	15	0.105	bb	0.462	97.9	0.005	1.000	1.00	50	ex24f08
22	ex24f0822	D4F050141-4 MS	GHP3N1AA	QC	100.00 22.38	388451	3529786	15	0.104	bb	0.489	97.1	0.005	1.000	1.00	50	ex24f08
23	ex24f0823	D4F050141-4 MS	GHP3N1AA	QC	100.00 22.38	388451	3784978	15	0.068	bb	58.881	117.8	1.000	1.000	1.00	50	ex24f08
24	ex24f0824	D4F050141-4 MS	GHP3N1AA	QC	100.00 22.38	388451	3784978	15	0.068	bb	58.881	117.8	1.000	1.000	1.00	50	ex24f08
25	ex24f0825	50 ug/L	856.65.7	QC	50.00 22.27	256353	3784978	15	0.068	bb	58.881	117.8	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:11:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 19: 4-Nitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999580
Calibration curve: $0.00156067 * x + 0.00221084$
Response type: Internal Std (Ref 15) Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1	ex24f0801	Blank	856.65.3	Blank	5.00	23.74	41580	15	0.011	dd	5.493	109.9	1.000	1.000	1.00	50	ex24f08
2	ex24f0802	5 ug/L	856.65.4	Standard	10.00	23.77	69939	15	0.017	dd	9.310	93.1	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	25.00	23.77	158421	15	0.039	dd	23.766	95.1	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	50.00	23.75	315398	15	0.079	dd	48.981	98.0	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	100.00	23.75	652520	15	0.166	dd	104.895	104.9	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	200.00	23.77	1248681	15	0.314	dd	199.542	99.8	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.9	Standard	300.00	23.72	1829369	15	0.457	dd	298.013	99.3	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.10	Standard	400.00	23.72	1974	15	0.001	bb	0.000	89.3	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	Blank	856.65.3	Blank	5.00	23.77	556013	15	0.142	dd	89.335	89.3	1.000	1.000	1.00	50	ex24f08
10	ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	23.77	292786	15	0.080	dd	50.035	100.1	1.000	1.000	1.00	50	ex24f08
11	ex24f0860	50 ug/L	856.65.7	QC	50.00	23.84	366216	15	0.150	dd	0.474	94.8	0.005	1.000	1.00	50	ex24f08
12	ex24f0861	R4F070000-119 MB	GH3N1AA	Blank	100.00	23.95	556098	15					0.005	1.064	1.00	50	ex24f08
13	ex24f0862	R4F070000-119 LCS	GH3N1AA	QC	100.00	23.95	3704854	15					0.005	1.059	1.00	50	ex24f08
14	ex24f0863	D4F040396-1	GH3N1AA	Analyte			3701984	15					0.005	0.950	1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GH3N1AA	Analyte			3671623	15					0.005	1.039	1.00	50	ex24f08
16	ex24f0865	D4F040396-3	GH3N1AA	Analyte			3664496	15					0.005	1.059	1.00	50	ex24f08
17	ex24f0866	D4F040396-4	GH3N1AA	Analyte			3651261	15					0.005	1.053	1.00	50	ex24f08
18	ex24f0867	D4F050141-1	GH3N1AA	Analyte			3510469	15					0.005	1.061	1.00	50	ex24f08
19	ex24f0868	D4F050141-2	GH3N1AA	Analyte			3902049	15					0.005	1.000	1.00	50	ex24f08
20	ex24f0869	D4F050141-3	GH3N1AA	Analyte			3893722	15	0.162	dd	102.078	102.1	1.000	1.000	1.00	50	ex24f08
21	ex24f0870	100 ug/L	856.65.8	QC	100.00	23.72	628921	15					0.005	1.058	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GH3N1AA	Analyte			3704475	15					0.005	1.060	1.00	50	ex24f08
23	ex24f0872	D4F050141-4 MS	GH3N1AA	QC	100.00	23.93	501373	15	0.141	dd	0.420	89.1	0.005	1.060	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 NSD	GH3N1AA	QC	100.00	23.93	491726	15	0.139	dd	0.442	87.9	0.005	0.994	1.00	50	ex24f08
25	ex24f0874	50 ug/L	856.65.7	QC	50.00	23.79	292830	15	0.077	dd	48.156	96.3	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Job Code: Tue Jun 08 12:58:36 2004
Printed: Thu Jun 10 08:52:08 2004

Compound 20: 3-Nitrotoluene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.996943

Calibration curve: $0.00131785 * x + 0.00148899$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Test	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj Cal File
1 ex24f0801	Blank	856.65.3	Blank				3817177	15					1.000	1.000	1.00	50 ex24f08
2 ex24f0802	5 µg/L	856.65.4	Standard	5.00 25.16		34454	3855573	15	0.009	db	5.651	113.0	1.000	1.000	1.00	50 ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	10.00 25.18		57285	4177753	15	0.014	db	9.275	92.8	1.000	1.000	1.00	50 ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	25.00 25.16		128317	4030853	15	0.032	db	23.030	92.1	1.000	1.000	1.00	50 ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	50.00 25.16		259855	4009979	15	0.065	db	48.043	96.1	1.000	1.000	1.00	50 ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	100.00 25.16		548231	3932798	15	0.139	db	104.649	104.6	1.000	1.000	1.00	50 ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	200.00 25.16		1105420	3981361	15	0.278	db	209.553	104.8	1.000	1.000	1.00	50 ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	300.00 25.14		1500890	3914677	15	0.383	db	289.800	96.6	1.000	1.000	1.00	50 ex24f08
9 ex24f0809	Blank	856.65.3	Blank				3861971	15					1.000	1.000	1.00	50 ex24f08
10 ex24f0810	100 µg/L ICV	856.65.11	QC	100.00 25.18		446001	3925735	15	0.114	db	85.079	85.1	1.000	1.000	1.00	50 ex24f08
11 ex24f0860	50 µg/L	856.65.7	QC	50.00 25.25		255134	3646216	15	0.070	db	51.966	103.9	1.000	1.000	1.00	50 ex24f08
12 ex24f0861	R4F070000-119 MB	GHP3N1AA	Blank				3561077	15					0.005	1.000	1.00	50 ex24f08
13 ex24f0862	R4F070000-119 LCS	GHP3N1AC	QC				3704884	15	0.121	db	0.455	91.0	0.005	1.000	1.00	50 ex24f08
14 ex24f0863	D4F040396-1	GHNJQ1AC	Analyte				3701904	15					0.005	1.064	1.00	50 ex24f08
15 ex24f0864	D4F040396-2	GHNJQ1AC	Analyte				3671629	15					0.005	1.059	1.00	50 ex24f08
16 ex24f0865	D4F040396-3	GHNJQ1AC	Analyte				3567678	15					0.005	0.950	1.00	50 ex24f08
17 ex24f0866	D4F040396-4	GHNJQ1AC	Analyte				3664496	15					0.005	1.039	1.00	50 ex24f08
18 ex24f0867	D4F050141-1	GHP3N1AC	Analyte				3651261	15					0.005	1.054	1.00	50 ex24f08
19 ex24f0868	D4F050141-2	GHP3N1AC	Analyte				3510469	15					0.005	1.053	1.00	50 ex24f08
20 ex24f0869	D4F050141-3	GHP3N1AC	Analyte				3902049	15					0.005	1.061	1.00	50 ex24f08
21 ex24f0870	100 µg/L	856.65.8	QC	100.00 25.14		529039	3893722	15	0.136	db	101.970	102.0	1.000	1.000	1.00	50 ex24f08
22 ex24f0871	D4F050141-4	GHP3N1AC	Analyte				3704475	15					0.005	1.058	1.00	50 ex24f08
23 ex24f0872	D4F050141-4 MS	GHP3N1AC	QC	100.00 25.35		407817	3547519	15	0.115	db	0.406	86.1	0.005	1.060	1.00	50 ex24f08
24 ex24f0873	D4F050141-4 MS	GHP3N1AC	QC	100.00 25.39		393552	3528786	15	0.112	db	0.420	83.5	0.005	0.994	1.00	50 ex24f08
25 ex24f0874	50 µg/L	856.65.7	QC	50.00 25.23		245994	3784978	15	0.065	db	48.187	96.4	1.000	1.000	1.00	50 ex24f08

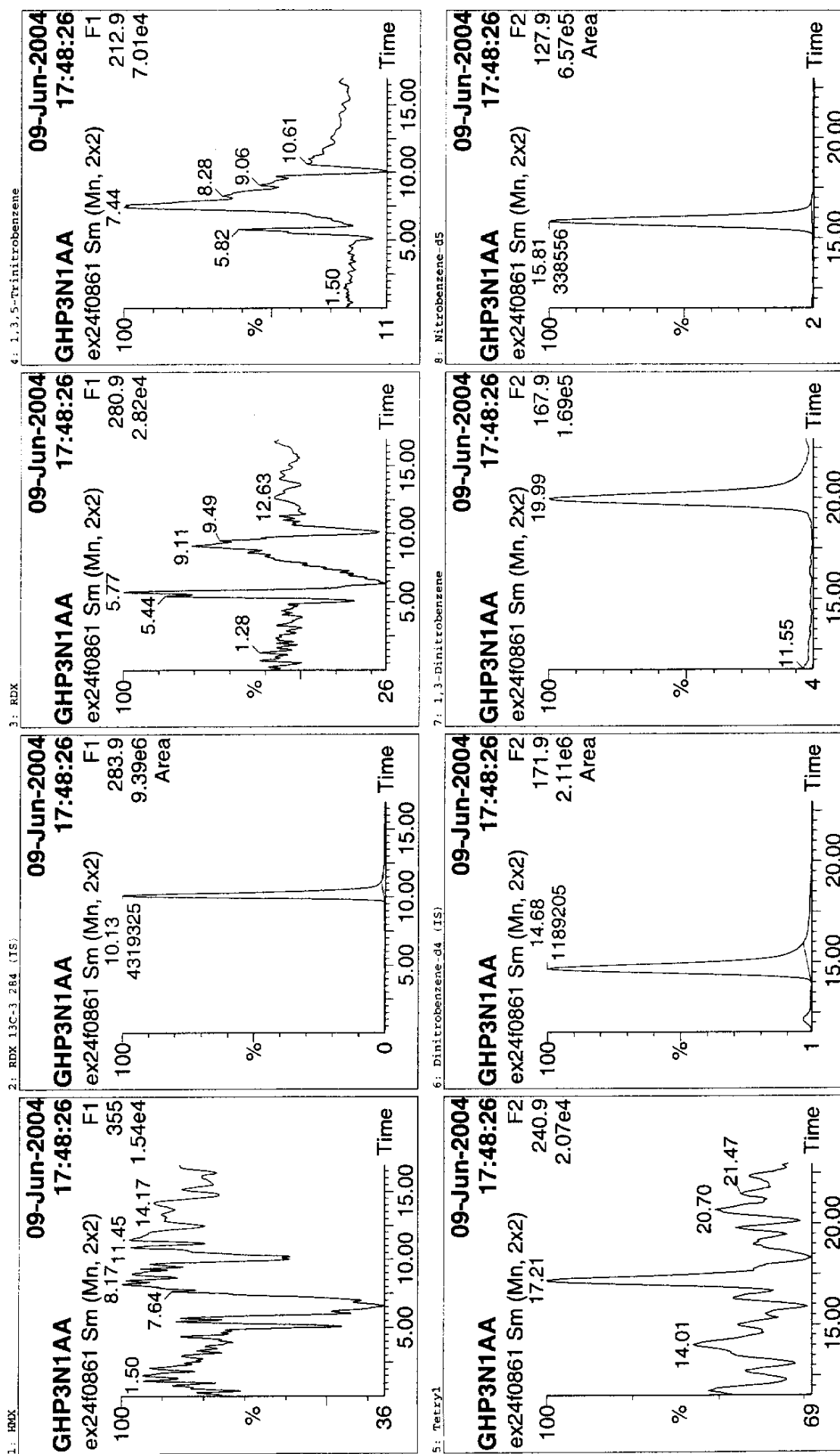
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0861
Text: R4F070000-119 MB

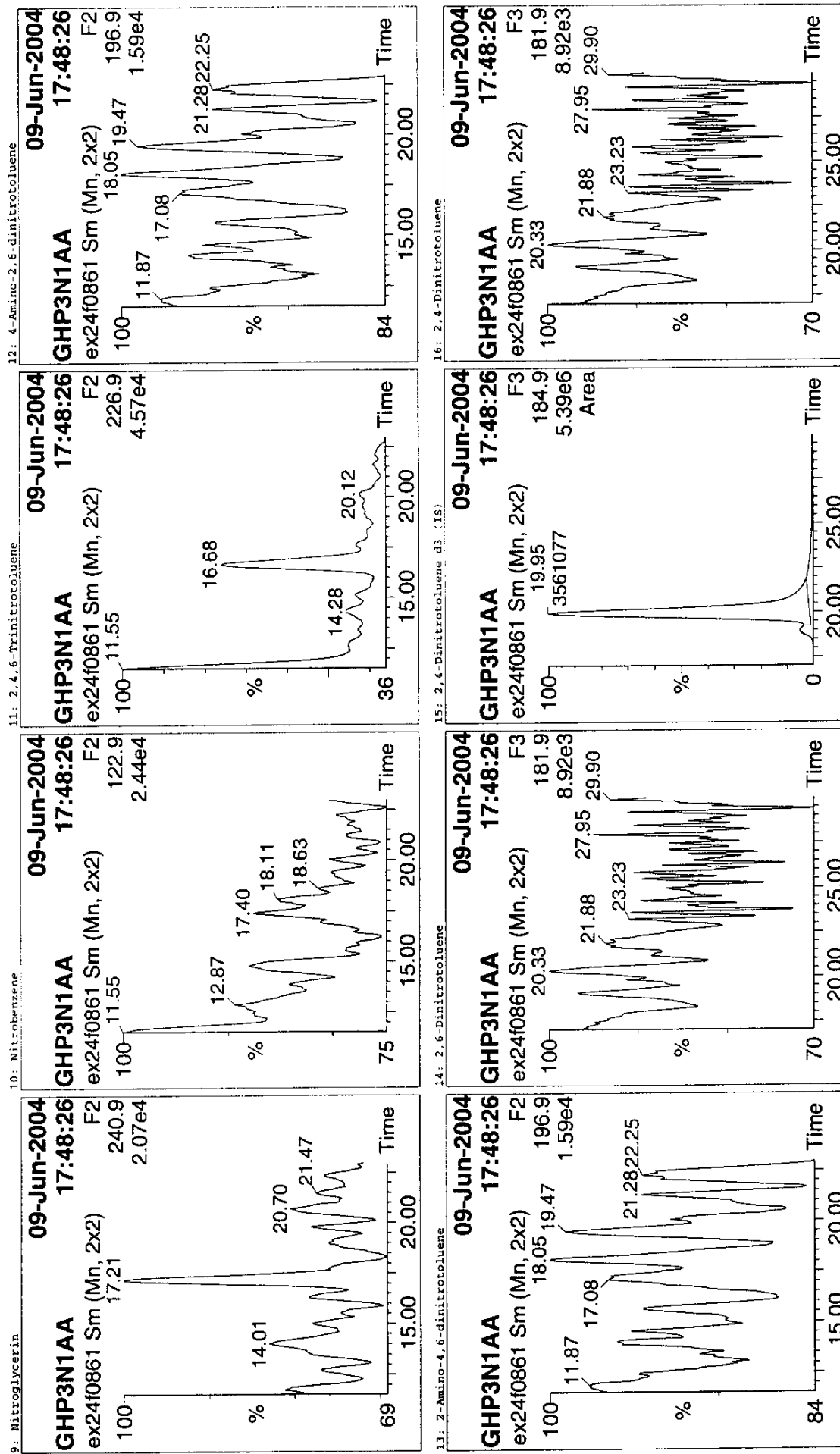


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0861
Text: R4P070000-119 NB



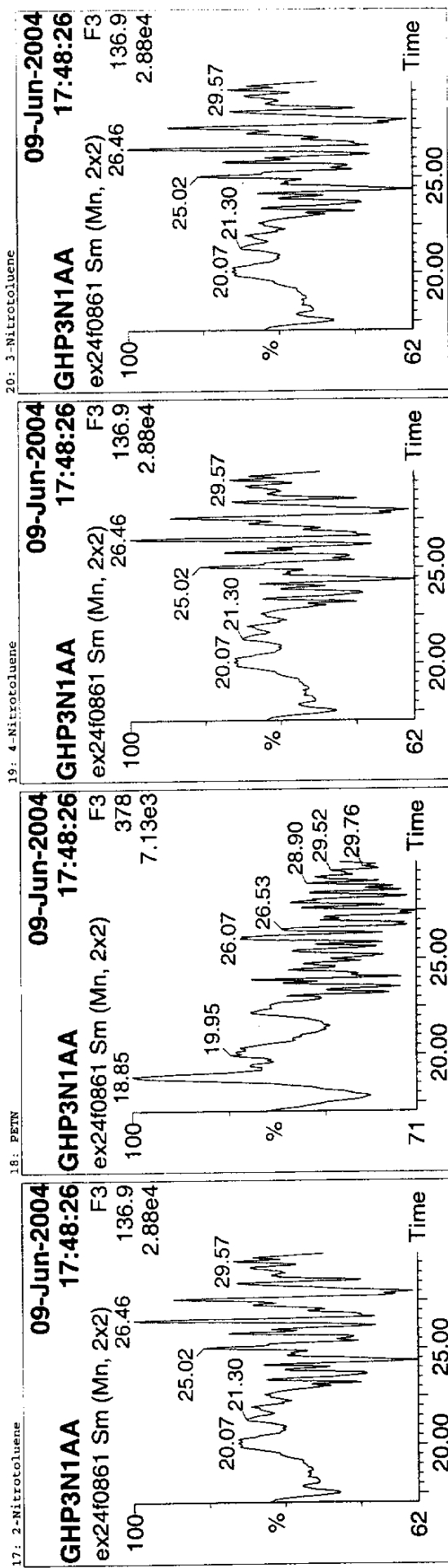
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0861
Text: R4P070000-119 MB



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1 HMX			4319325						
2 RDX 13C-3 284 (IS)	10.13	4319325					0.838	83.82	
3 RDX			4319325		bb				
4 1,3,5-Trinitrobenzene			1189205						
5 Tetrayl			1189205						
6 Dinitrobenzene-d4 (IS)	14.68	1189205			bb		0.878	87.77	
7 1,3-Dinitrobenzene			1189205						
8 Nitrobenzene-d5	15.81	338556			bb		0.429	85.88	
9 Nitroglycerin			1189205						
10 Nitrobenzene			1189205						
11 2,4,6-Trinitrotoluene			1189205						
12 4-Amino-2,6-dinitrotoluene			3561077						
13 2-Amino-4,6-dinitrotoluene			3561077						
14 2,6-Dinitrotoluene			3561077						
15 2,4-Dinitrotoluene-d3 (IS)	19.95	3561077			db		0.893	89.34	
16 2,4-Dinitrotoluene			3561077						
17 2-Nitrotoluene			3561077						
18 PETN			3561077						
19 4-Nitrotoluene			3561077						
20 3-Nitrotoluene			3561077						

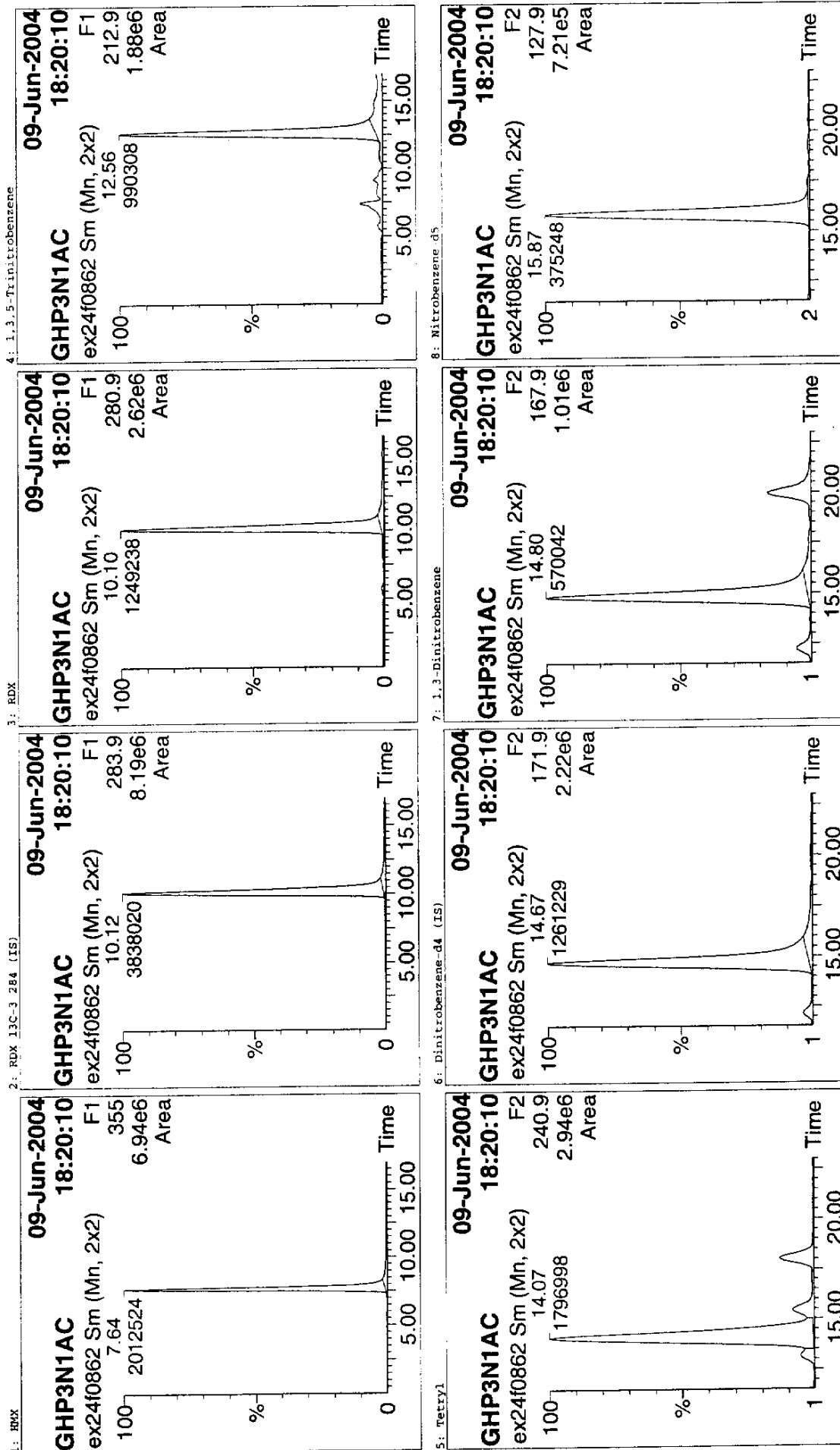
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0862
Text: R4r070000-119 LCS



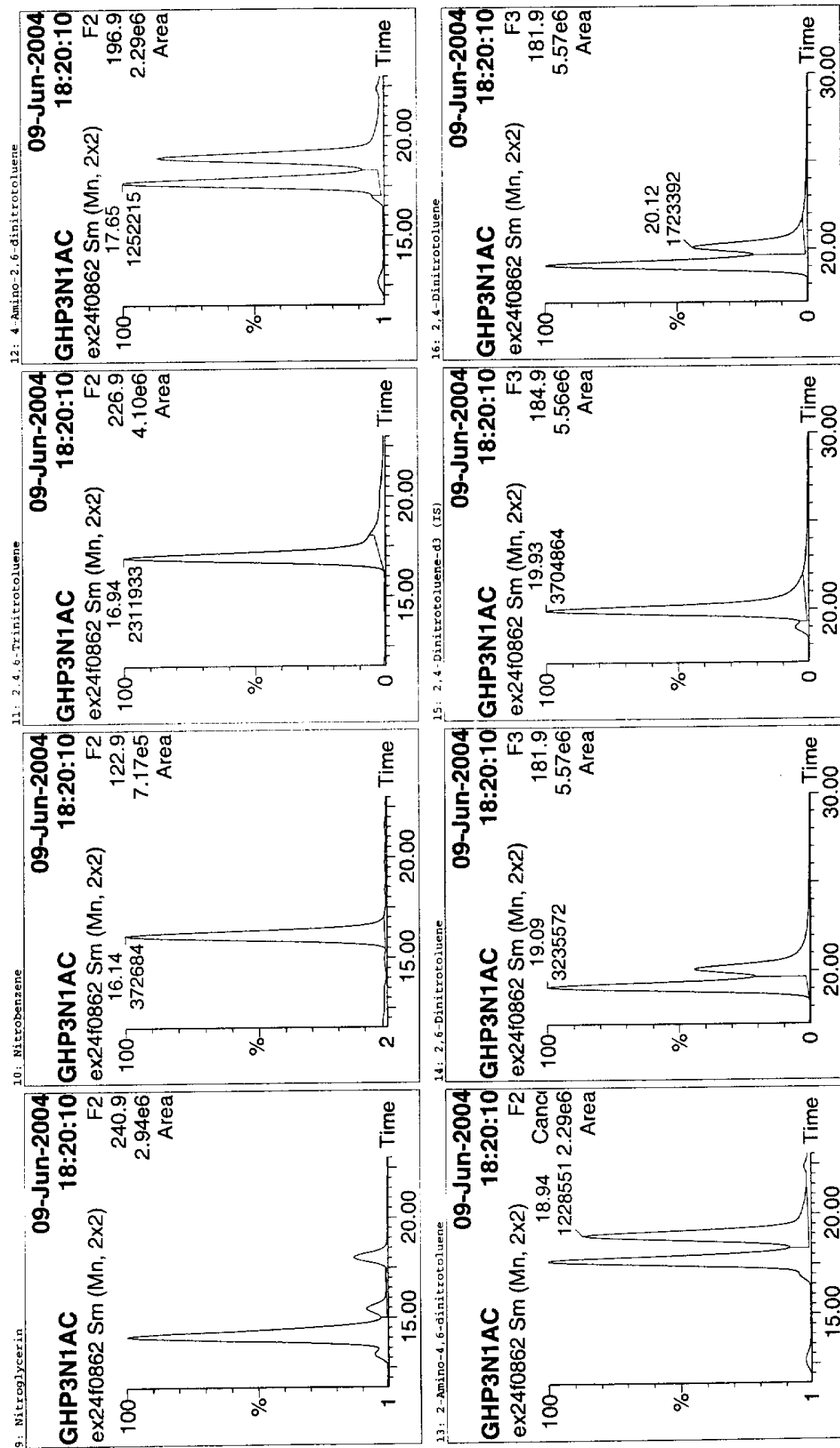
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method3\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0862
Text: R4P070000-119 LCS



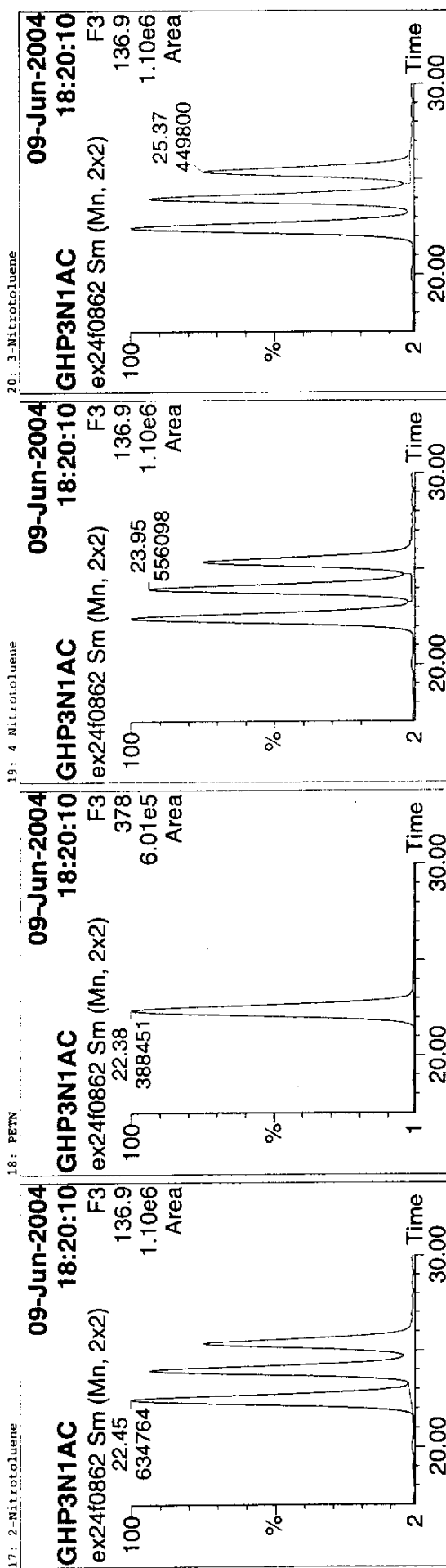
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SAMPLES\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\METHODS\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0862
Text: R4f070000-119 LCS



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod. Date	Mod. Comment
1	HMX	7.64	2012524	3838020	0.524	bb	0.549	109.80		
2	RDX 13C-3 284 (IS)	10.12	3838020	3838020	0.325	bb	0.745	74.48		
3	RDX	10.10	1249238	3838020	0.325	bb	0.494	98.83		
4	1,3,5-Trinitrobenzene	12.56	990308	1261229	0.785	bb	0.434	86.89		
5	Tetryl	14.07	1796998	1261229	1.425	dd	0.477	95.33		
6	Dinitrobenzene-d4 (IS)	14.67	1261229	1261229	0.452	bb	0.931	93.08		
7	1,3-Dinitrobenzene	14.80	570042	1261229	0.298	bb	0.474	94.84		
8	Nitrobenzene-d5	15.87	375248	1261229	0.101	db	0.449	89.79		
9	Nitroglycerin	15.47	127598	1261229	0.101	db	0.451	90.18		
10	Nitrobenzene	16.14	374684	1261229	0.295	bb	0.448	89.69		
11	2,4,6-Trinitrotoluene	16.94	2311933	1261229	1.833	bs	0.450	90.01		
12	4-Amino-2,6-dinitrotoluene	17.65	1252215	3704864	0.338	dd	0.430	85.94		
13	2-Amino-4,6-dinitrotoluene	18.94	1228551	3704864	0.332	db	0.491	98.25		
14	2,6-Dinitrotoluene	19.09	3235572	3704864	0.873	bd	0.458	91.62		
15	2,4-Dinitrotoluene-d3 (IS)	19.93	3704864	3704864	0.465	db	0.929	92.94		
16	2,4-Dinitrotoluene	20.12	1723392	3704864	0.465	db	0.473	94.69		
17	2-Nitrotoluene	22.45	634764	3704864	0.171	bb	0.433	86.65		
18	PETN	22.38	388451	3704864	0.105	bb	0.483	97.72		
19	4-Nitrotoluene	23.95	556098	3704864	0.150	dd	0.474	94.76		
20	3-Nitrotoluene	25.37	449800	3704864	0.121	db	0.455	91.00		

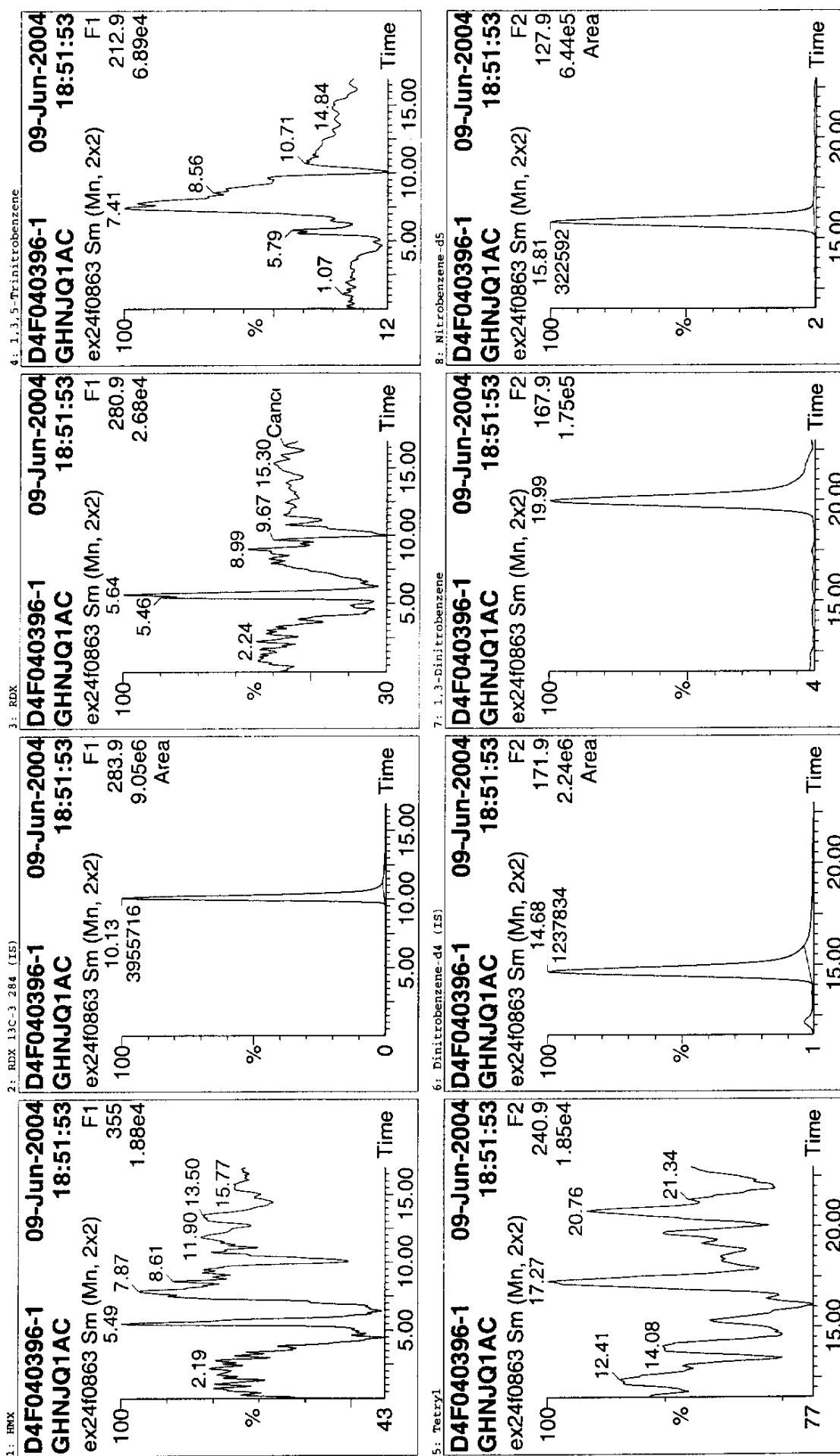
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0863
Text: D4F040396-1



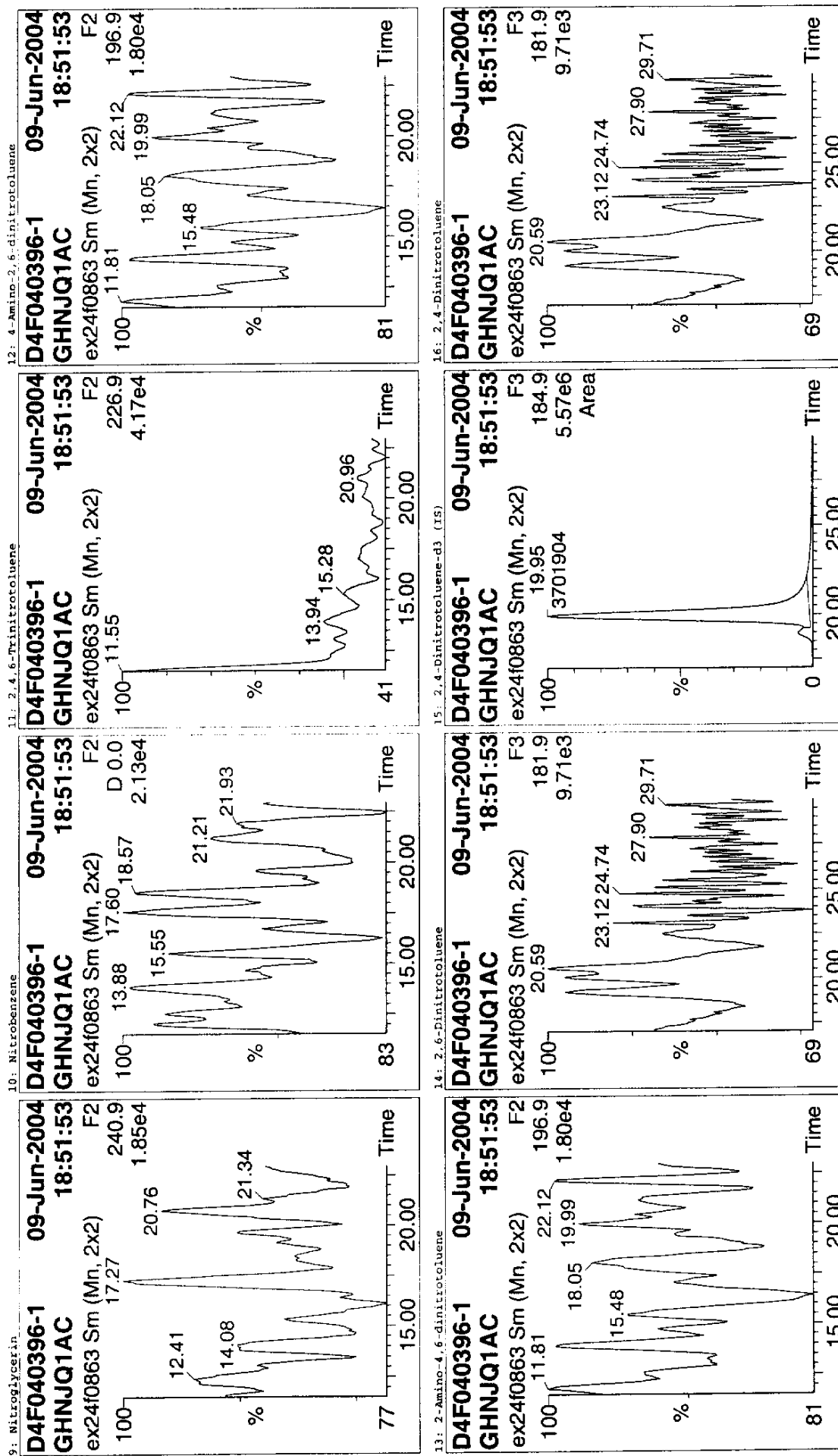
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:51:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0863
Text: D4F040396-1

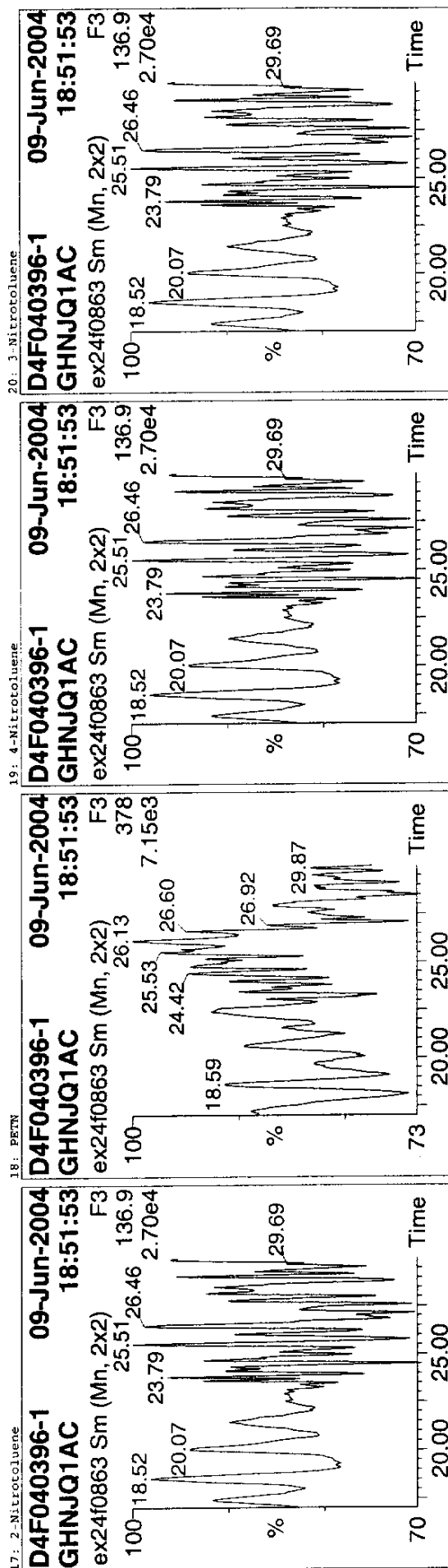


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method8\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0863
Text: D4F040396-1



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	HMX	10.13	3955716	3955716	3955716...	bb	0.768	76.76		
2	RDX 13C 3 284 (IS)									
3	RDX			3955716						
4	1,3,5-Trinitrobenzene			1237834						
5	Tetryl			1237834						
6	Dinitrobenzene-d4 (IS)	14.68	1237834	1237834	1237834...	bb	0.914	91.36		
7	1,3-Dinitrobenzene			1237834						
8	Nitrobenzene-d5	15.81	322592	1237834	0.261	bb	0.369	78.55		
9	Nitroglycerin			1237834						
10	Nitrobenzene			1237834						
11	2,4,6-Trinitrotoluene			1237834						
12	4-Amino-2,6-dinitrotoluene			1237834						
13	2-Amino-4,6-dinitrotoluene			1237834						
14	2,6-Dinitrotoluene			3701904						
15	2,4-Dinitrotoluene-d3 (IS)	19.95	3701904	3701904	3701904...	db	0.929	92.87		
16	2,4-Dinitrotoluene			3701904						
17	2-Nitrotoluene			3701904						
18	PETN			3701904						
19	4-Nitrotoluene			3701904						
20	3-Nitrotoluene			3701904						

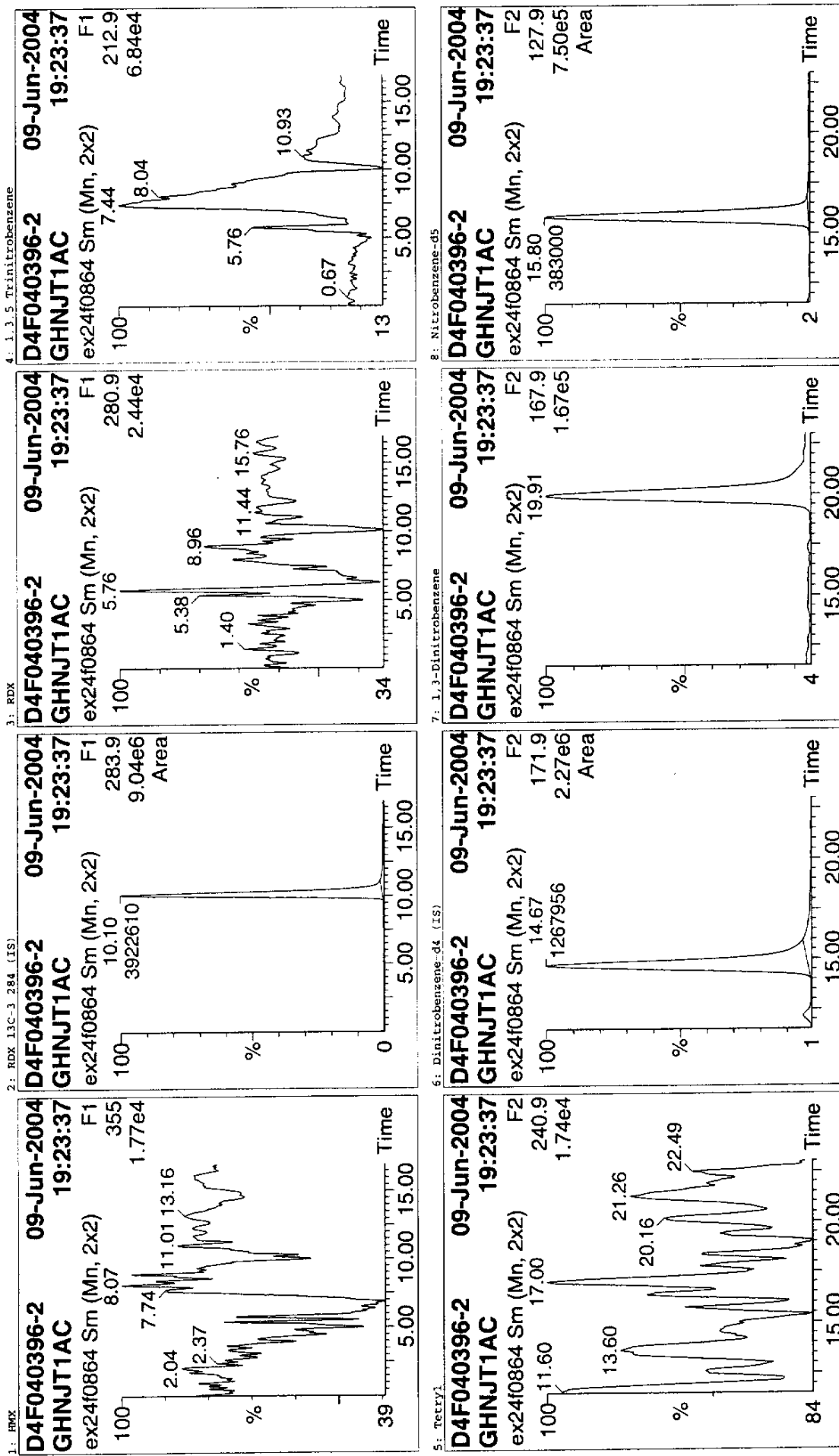
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives_PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0864
Text: D4F040396-2

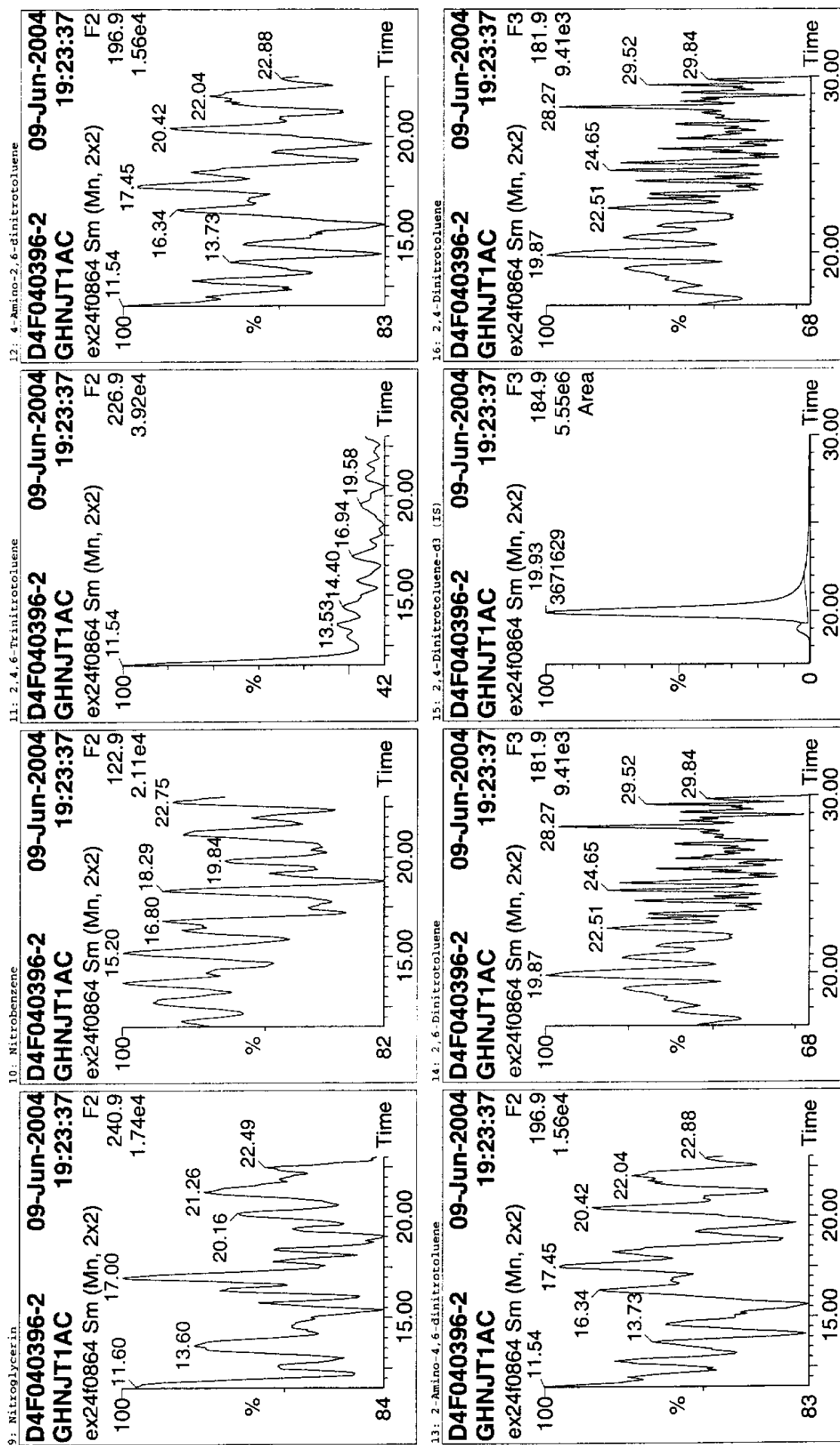


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives_PRO\MethodB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0864
 Text: D4F040396-2



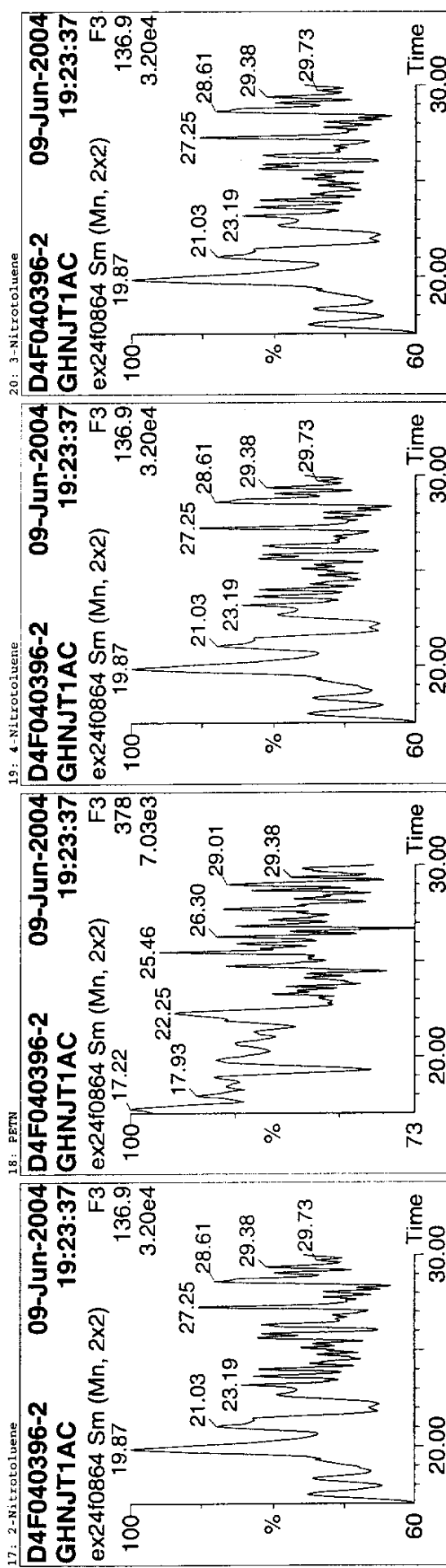
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0864
Text: D4F040396-2



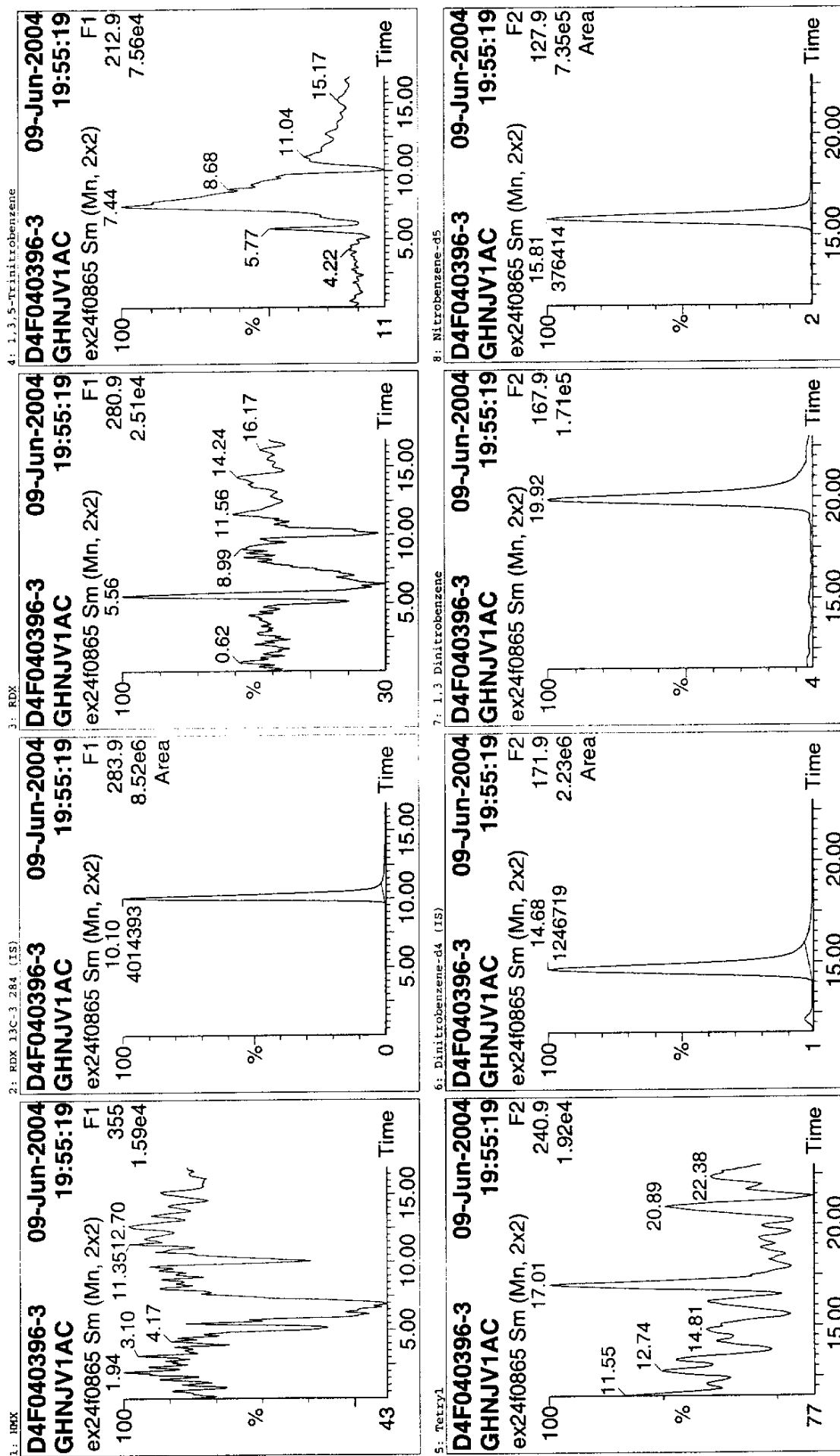
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives_PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0865
Text: D4F040396-3



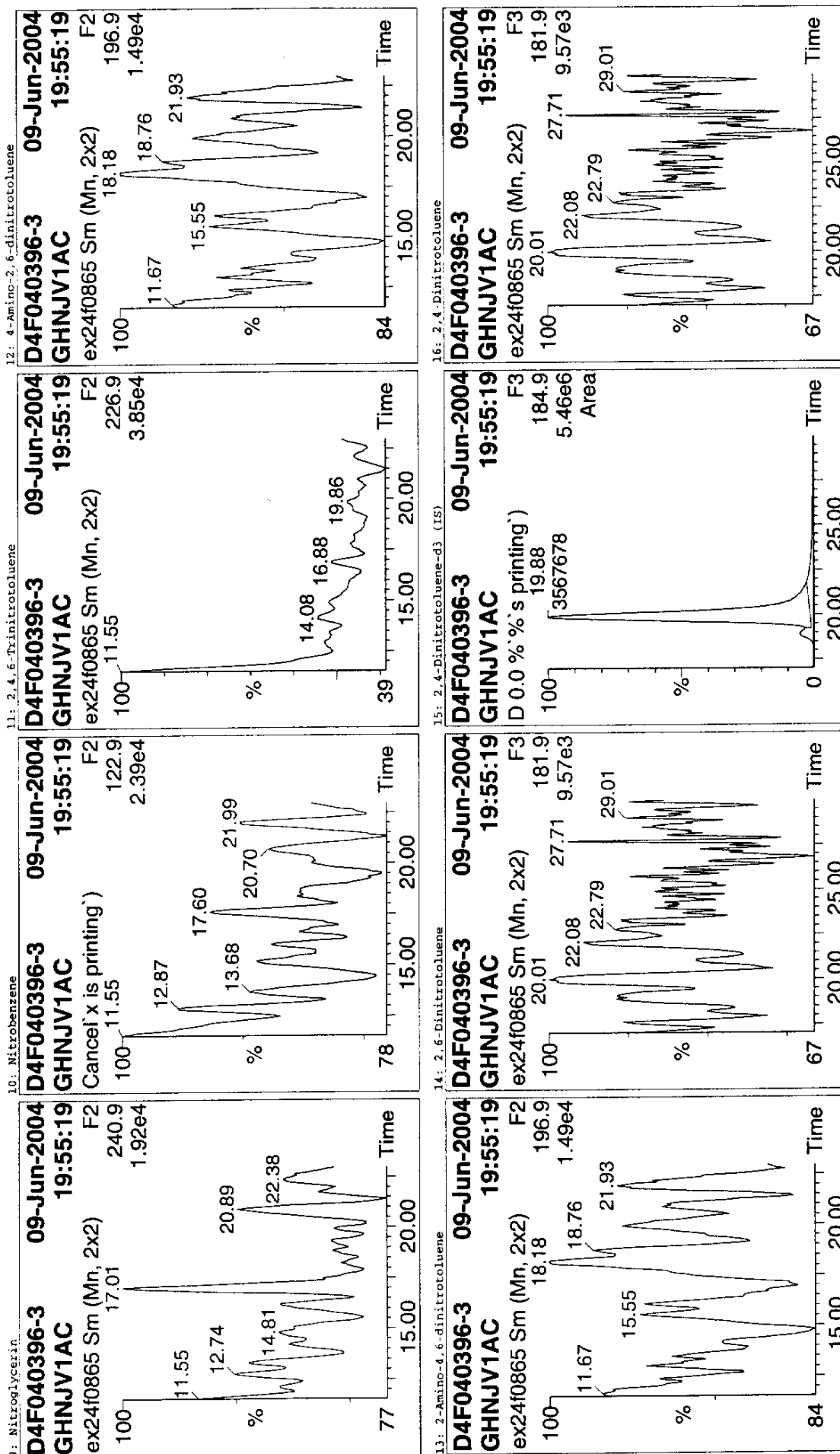
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0865
Text: D4F040396-3



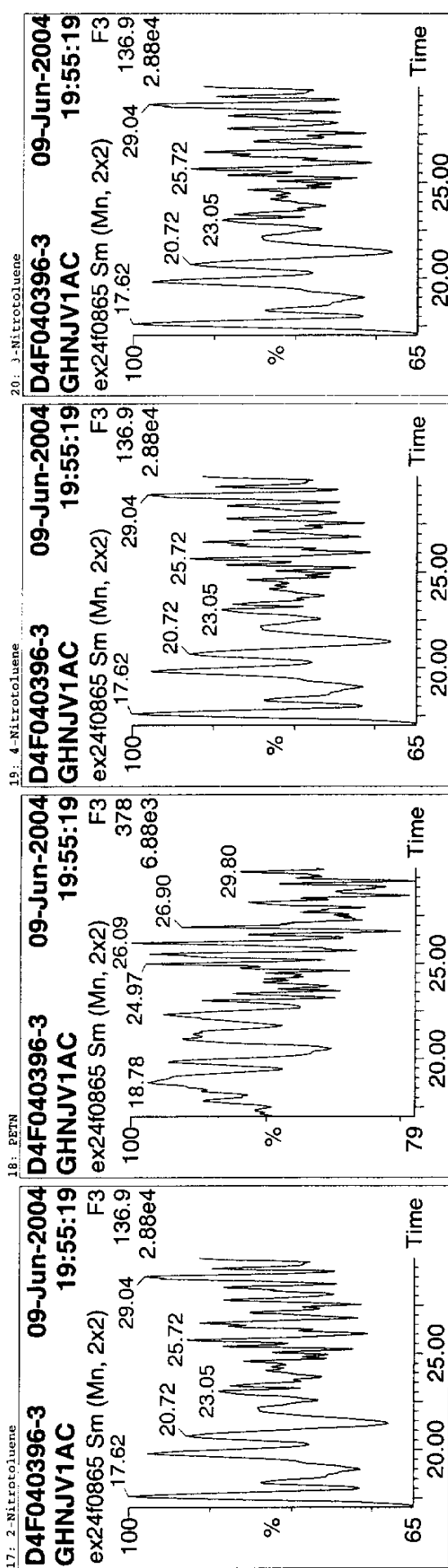
Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0865
Text: D4F040396-3

17: 2-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	UNK									
2	PDX	10.10	4014393	4014393		bb	0.779	77.90		
3	PDX 13C-3 284 (IS)		4014393	4014393						
4	PDX			4014393						
5	4,3,5-Trinitrobenzene			1246719						
6	4-petrayl			1246719						
7	6 Dinitrobenzene-d4 (IS)	14.68	1246719	1246719		bb	0.920	92.01		
8	7 1,3-Dinitrobenzene			1246719						
9	8 Nitrobenzene-d5	15.81	376414	1246719		0.302 bb	0.480	91.13		
10	9 Nitroglycerin			1246719						
11	10 Nitrobenzene			1246719						
12	11 2,4,6-Trinitrotoluene			1246719						
13	12 4-Amino-2,6-dinitrotoluene			1246719						
14	13 2-Amino-4,6-dinitrotoluene			1246719						
15	14 2,6 Dinitrotoluene			3567678						
16	15 2,4 Dinitrotoluene			3567678						
17	16 2,4-Dinitrotoluene-d3 (IS)	19.88	3567678	3567678		db	0.895	89.50		
18	17 2-Nitrotoluene			3567678						
19	18 PETN			3567678						
20	19 4-Nitrotoluene			3567678						
21	20 3-Nitrotoluene			3567678						

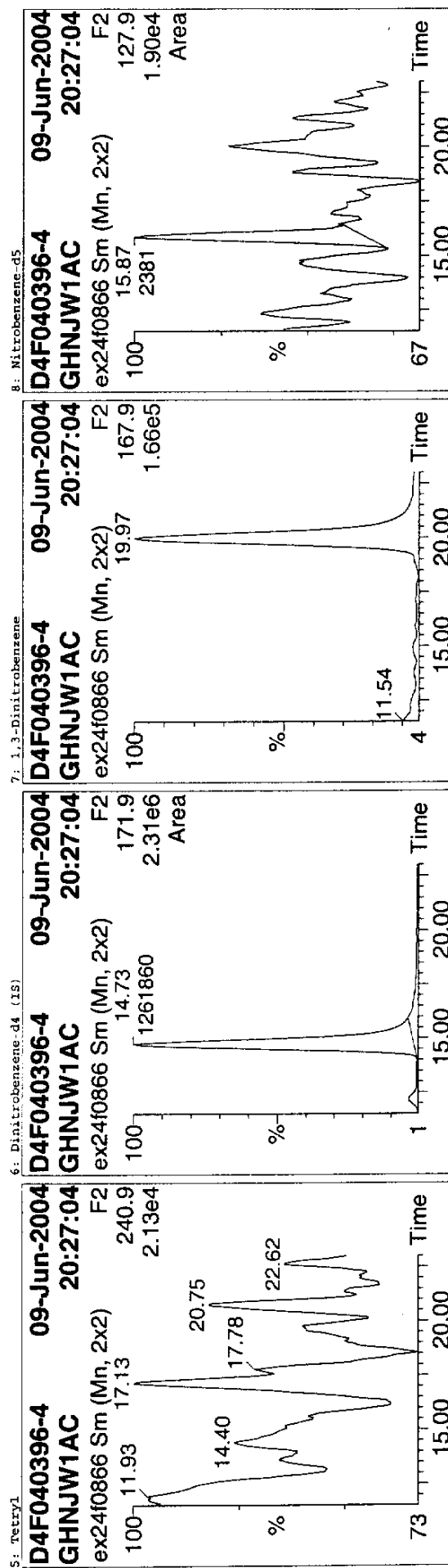
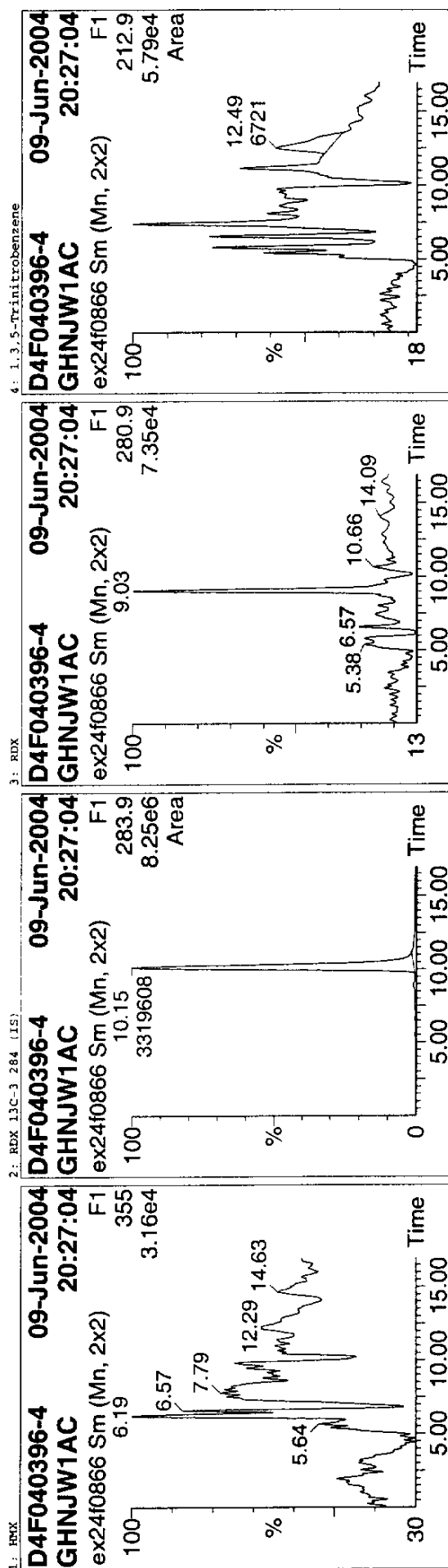
Analyst: Mark Dymerski

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleData\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Thu Jun 10 08:52:26 2004

Name: 0x24f0866
Text: D4F040396-4



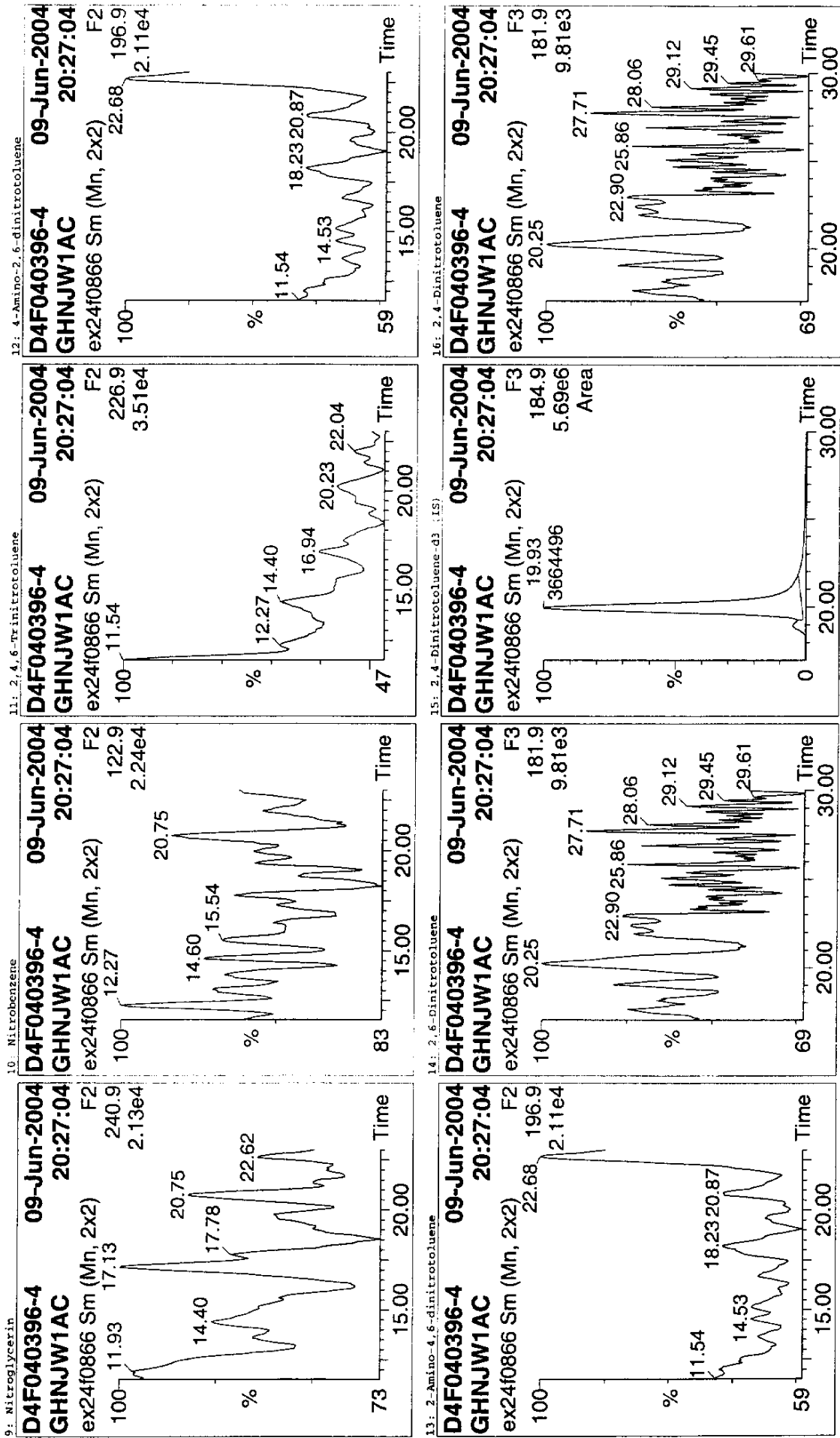
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0866
Text: D4F040396-4



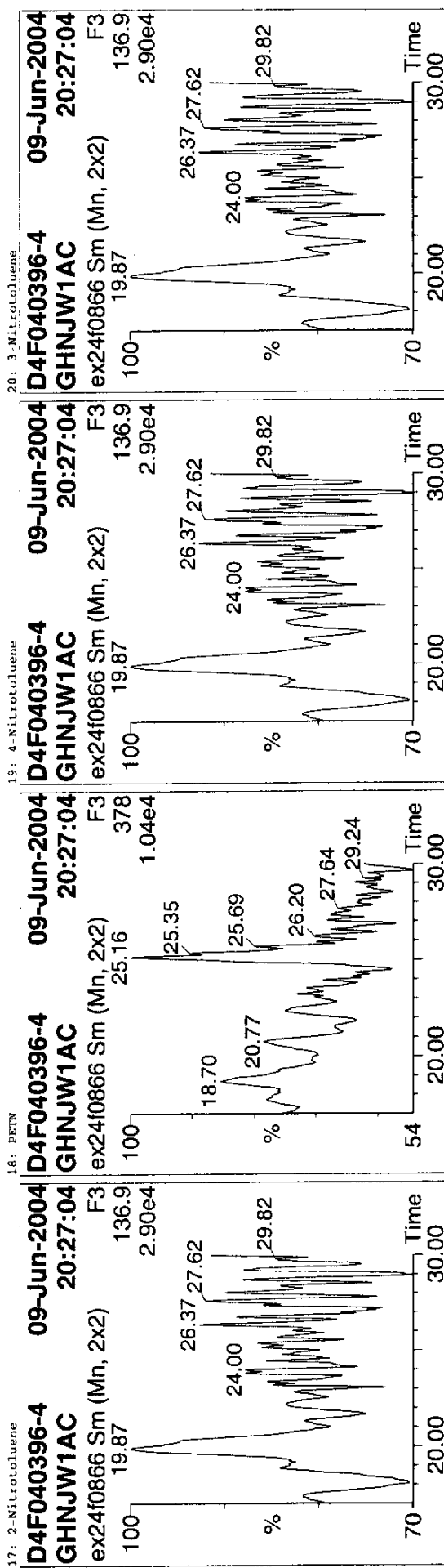
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:38:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0866
Text: D4F040396-4



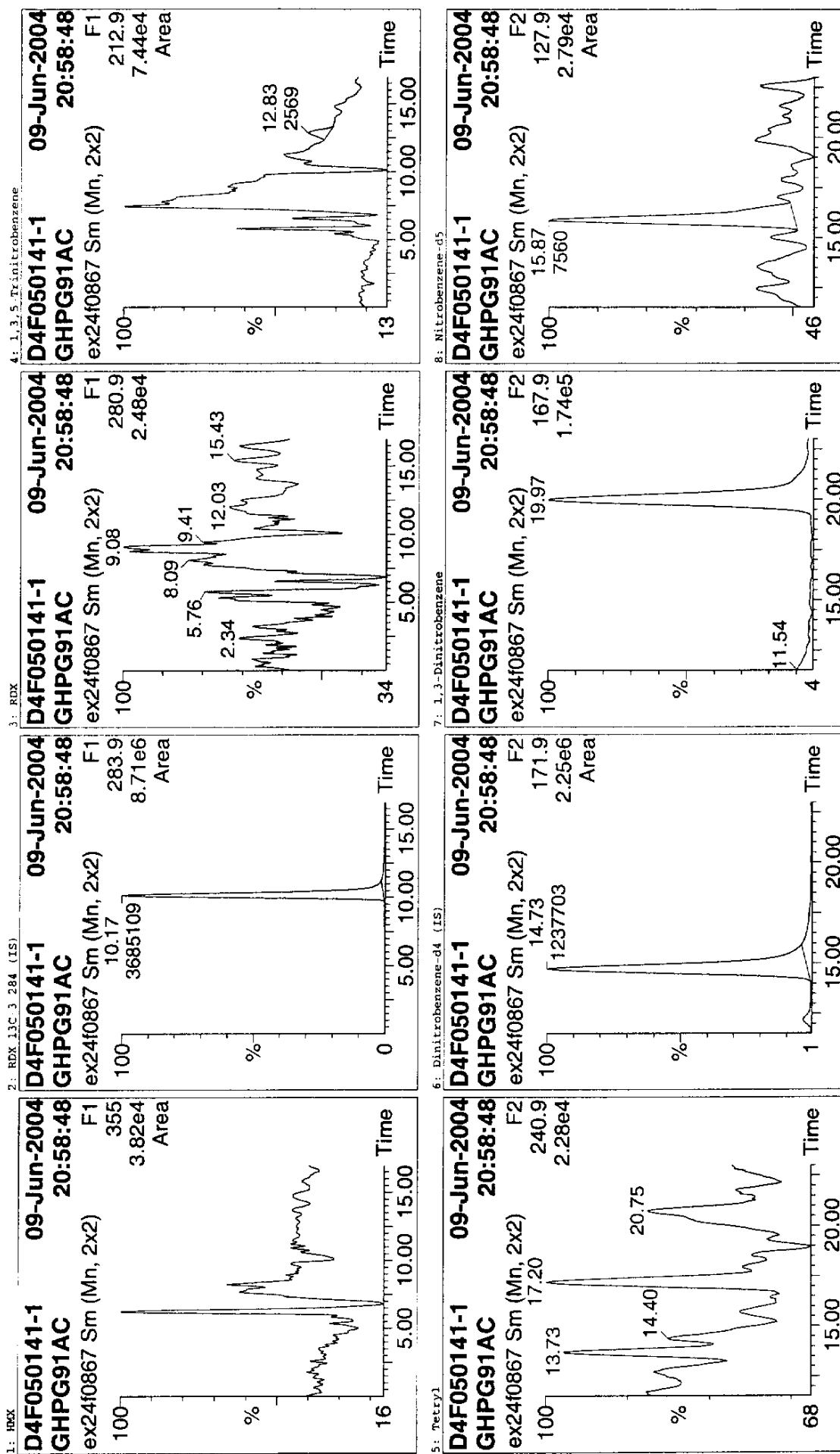
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0867
Text: D4F050141-1



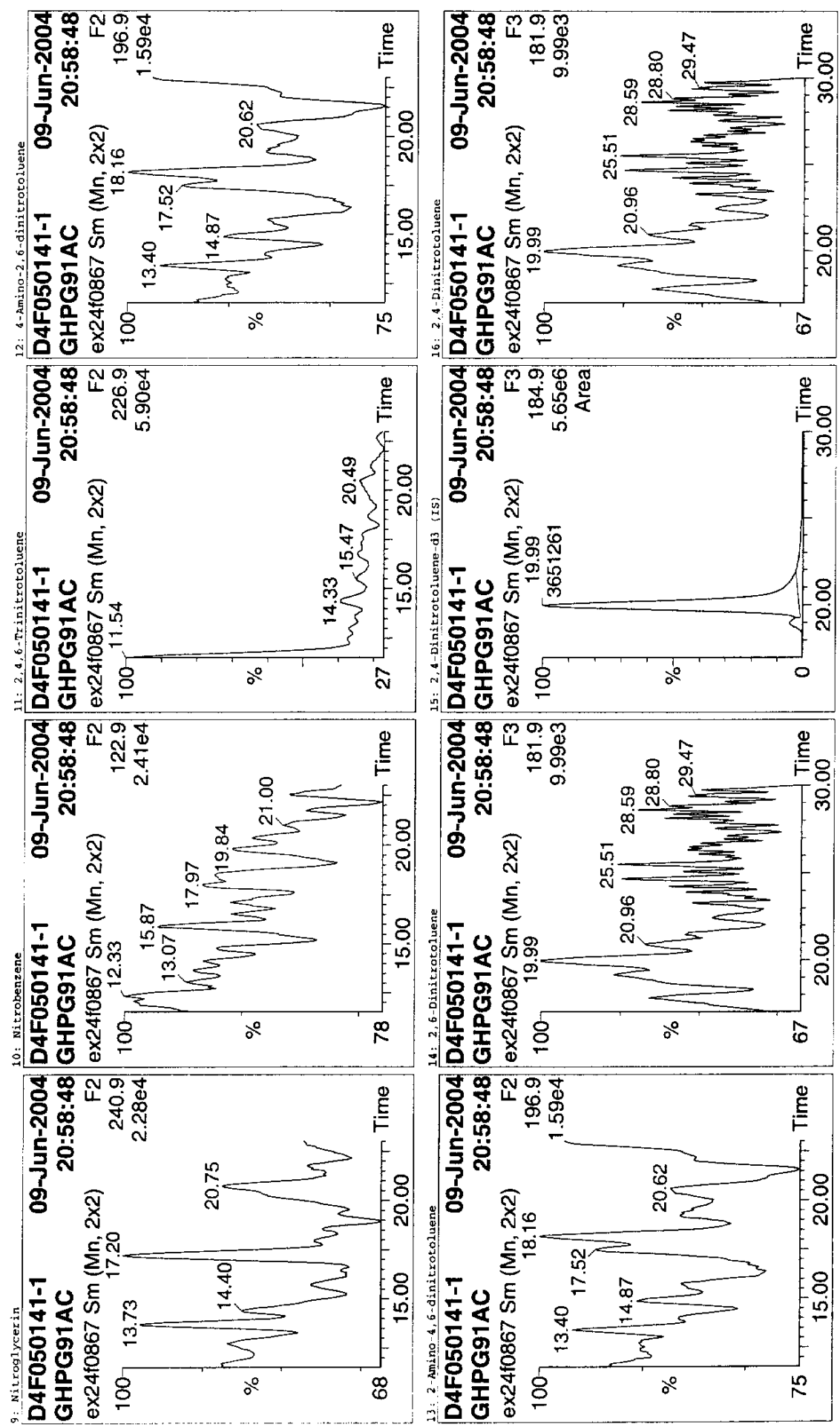
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0867
Text: D4F050141-1



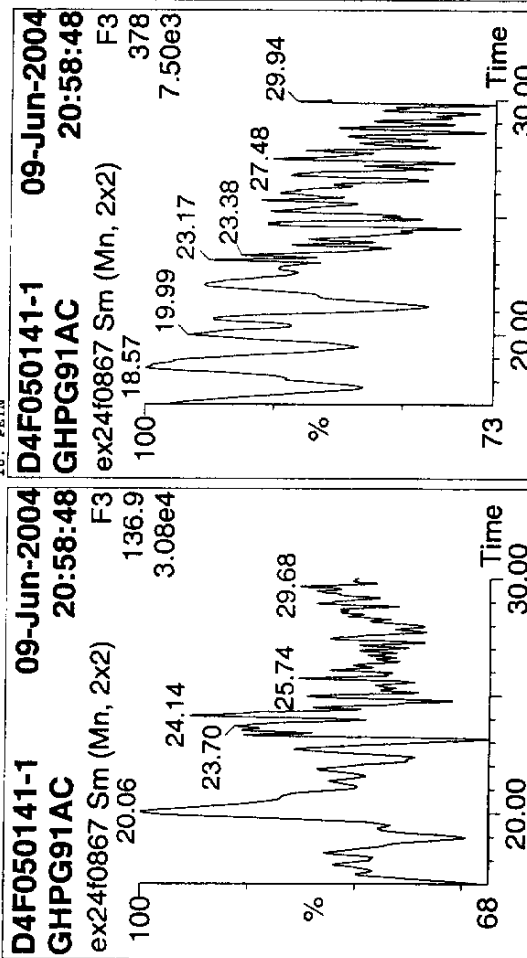
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslyn\Explosives.PRO\Method\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

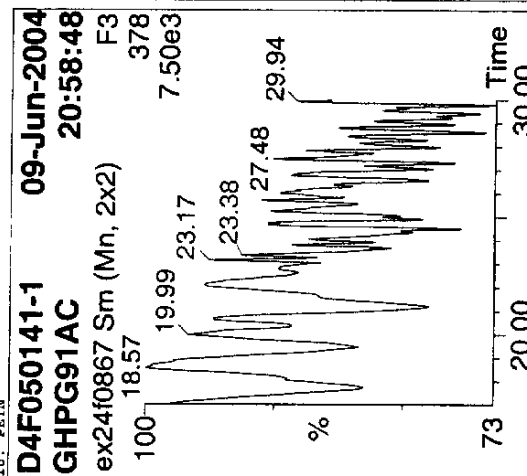
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0867
 Text: D4F050141-1

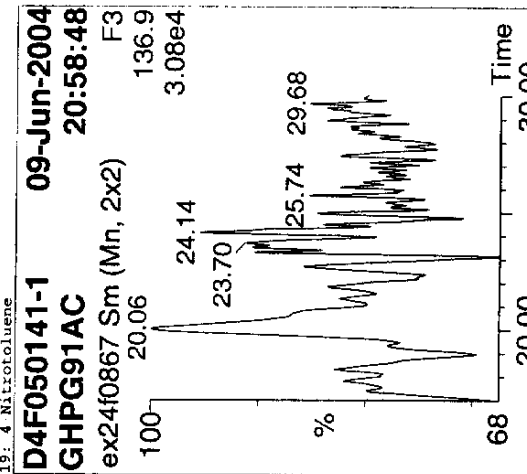
17: 2-Nitrotoluene



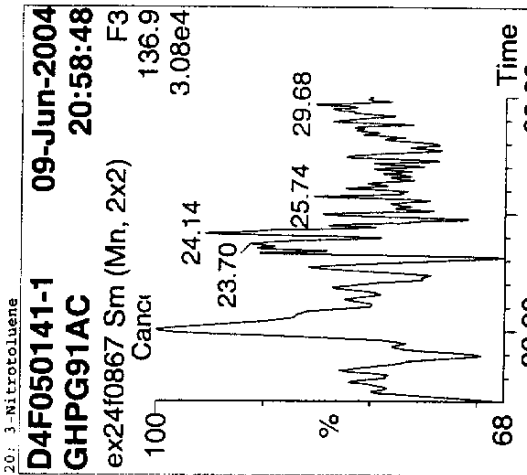
18: PETN



19: 4 Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX	7.36	79	3685109	0.000	bb	0.000					
2	RDX 13C-3 284 (IS)	10.17	3685109	3685108..	bb		0.715	71.51				
3	RDX			3685109								
4	1,3,5-Trinitrobenzene	12.83	2569	1237703	0.002	bb	0.000					
5	Tetryl			1237703								
6	Dinitrobenzene-d4 (IS)	14.73	1237703	1237703..	bb		0.913	91.35				
7	1,3-Dinitrobenzene			1237703								
8	Nitrobenzene-d5	15.87	7560	1237703	0.006	bb	0.005	1.09				
9	Nitroglycerin			1237703								
10	Nitrobenzene			1237703								
11	2,4,6-Trinitrotoluene			1237703								
12	4-Amino-2,6-dinitrotoluene			1237703								
13	2-Amino-4,6-dinitrotoluene			3651261								
14	2,6-Dinitrotoluene			3651261								
15	2,4-Dinitrotoluene			3651261								
16	2,4-Dinitrotoluene-d3 (IS)	19.99	3651261	3651261..	db		0.916	91.60				
17	2-Nitrotoluene			3651261								
18	PETN			3651261								
19	4-Nitrotoluene			3651261								
20	3-Nitrotoluene			3651261								

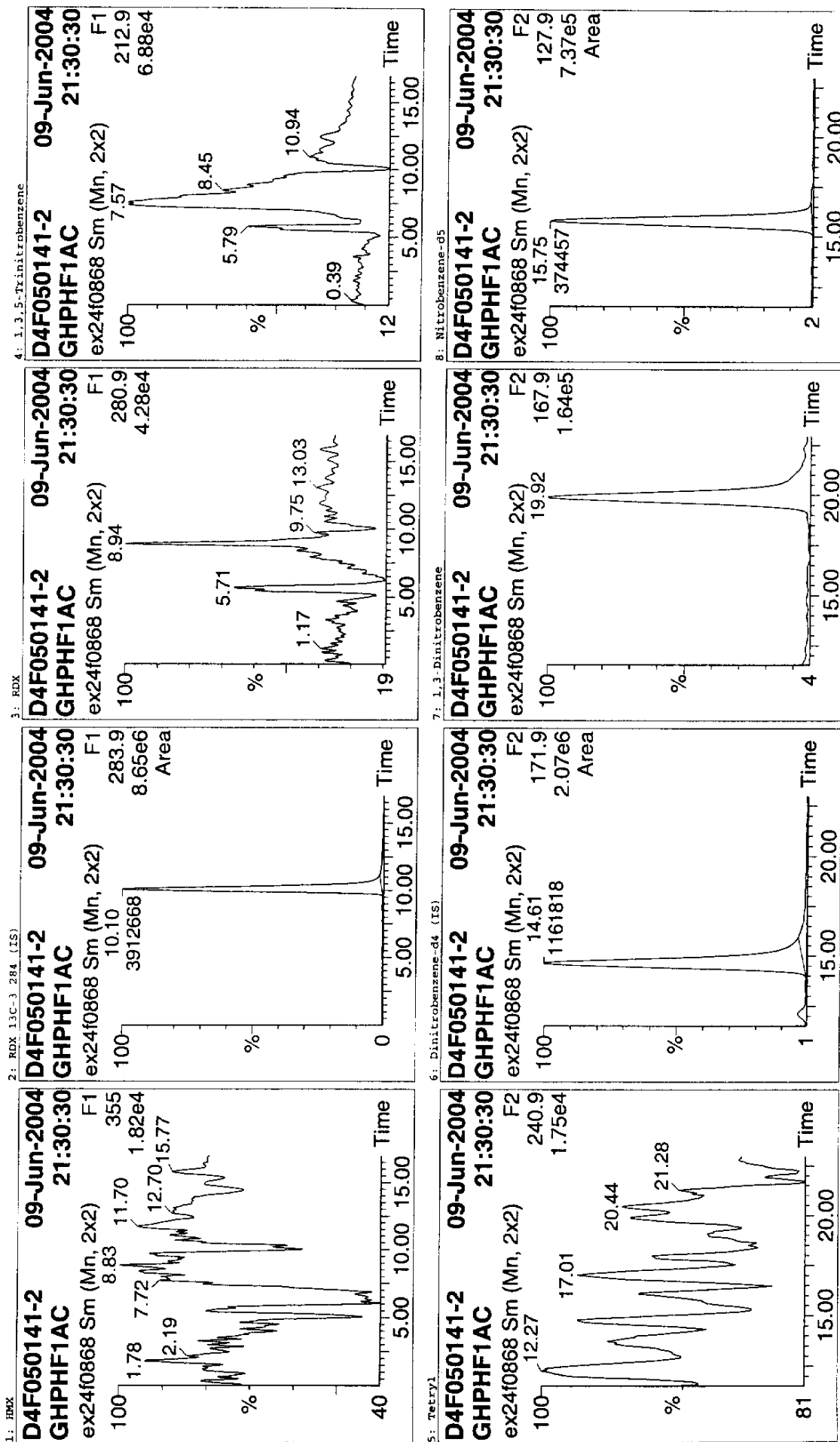
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0868
Test: D4F050141-2



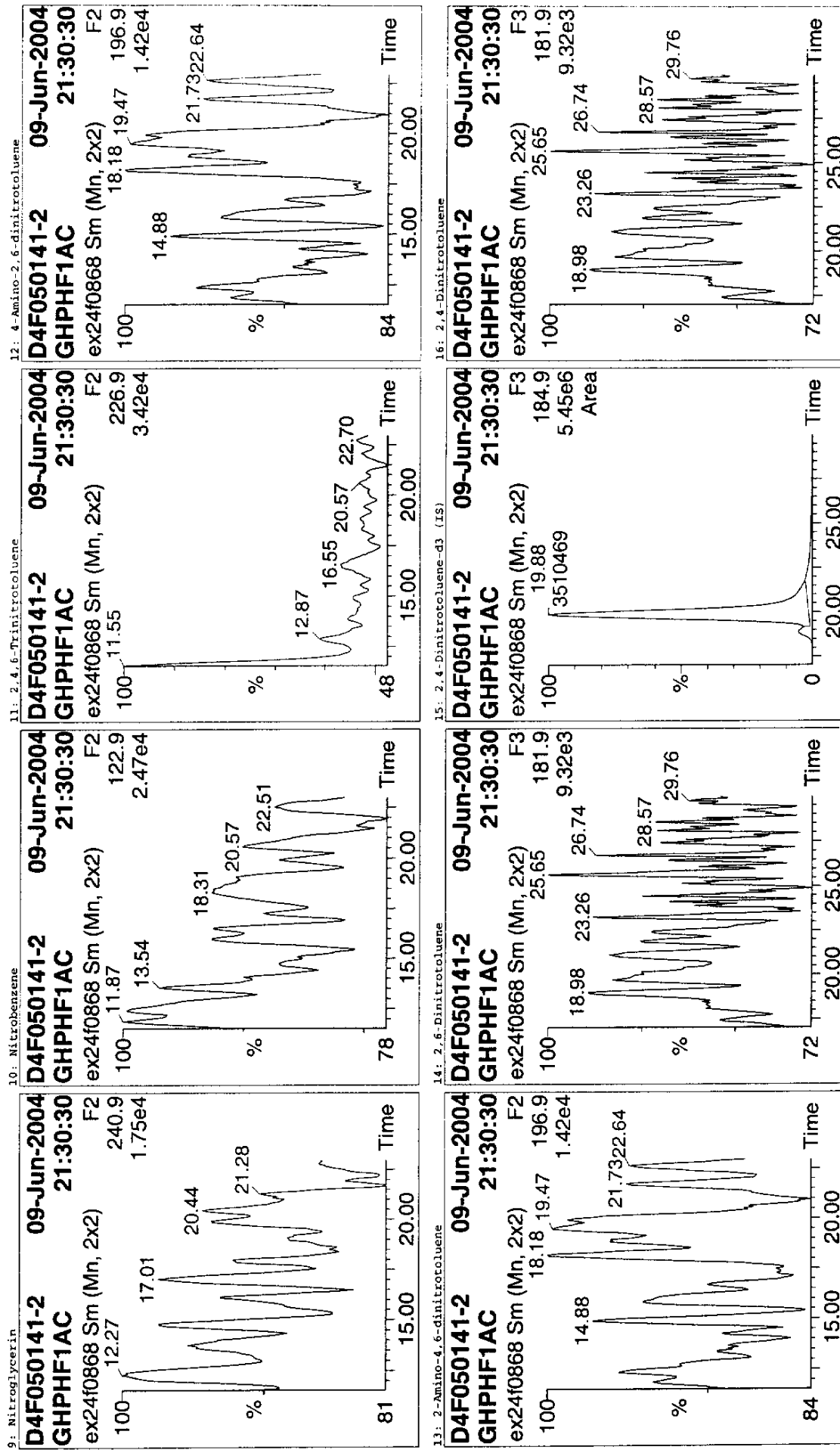
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.Pro\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.Pro\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0868
Text: D4F050141-2



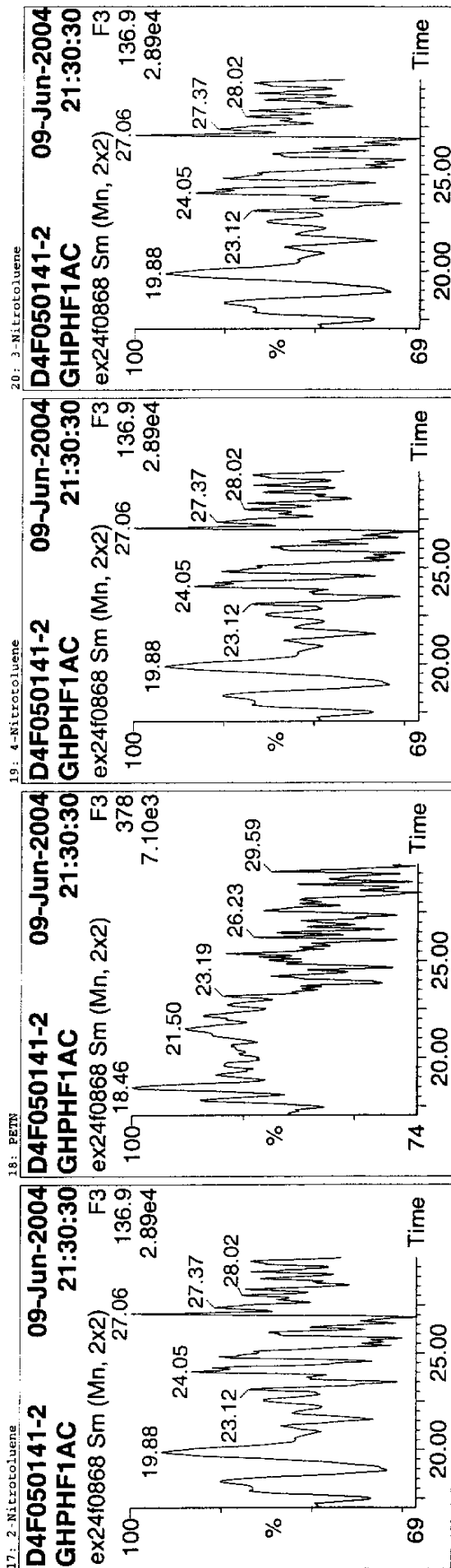
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0868
Text: D4F050141-2



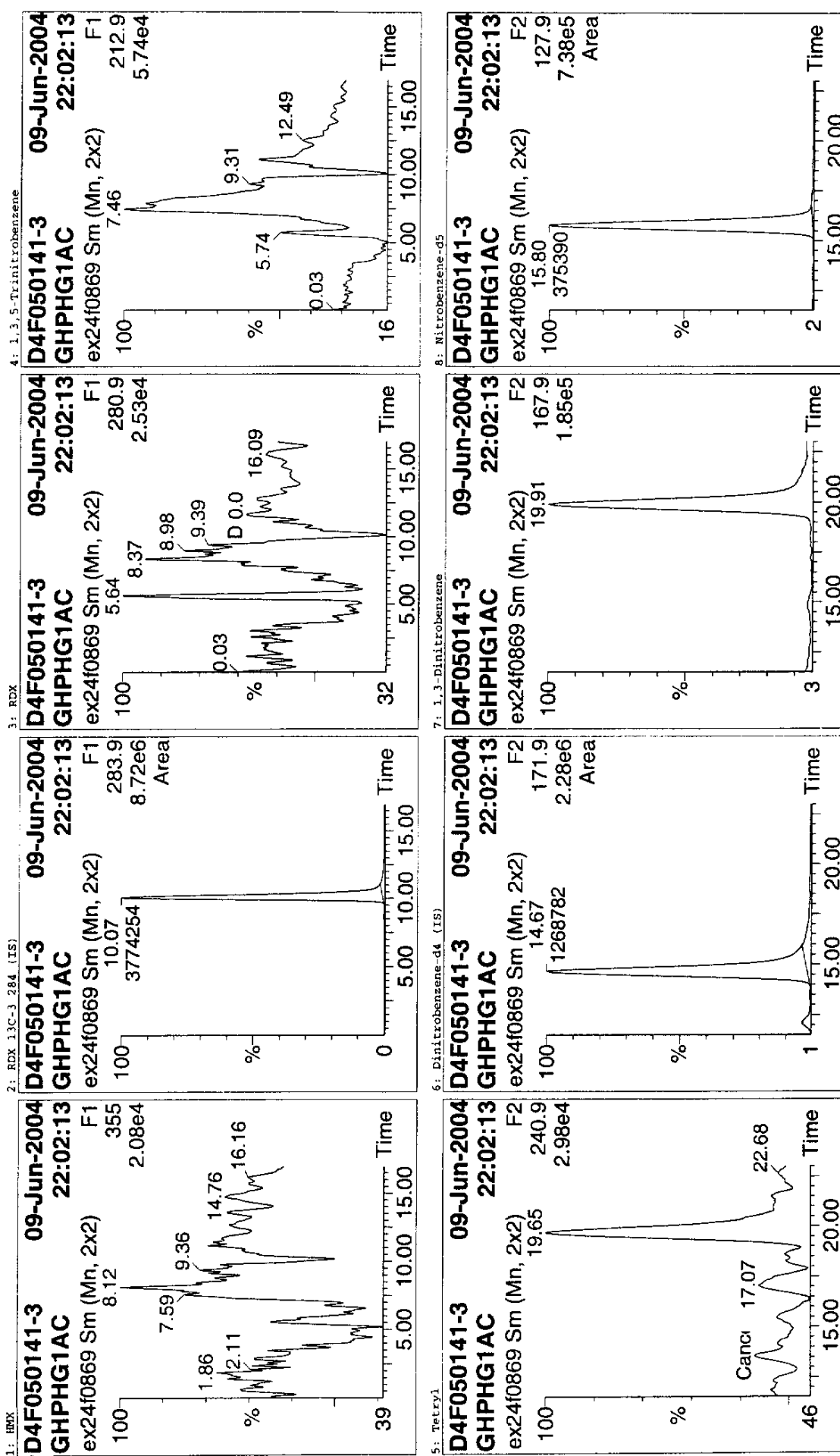
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0869
Text: D4F050141-3



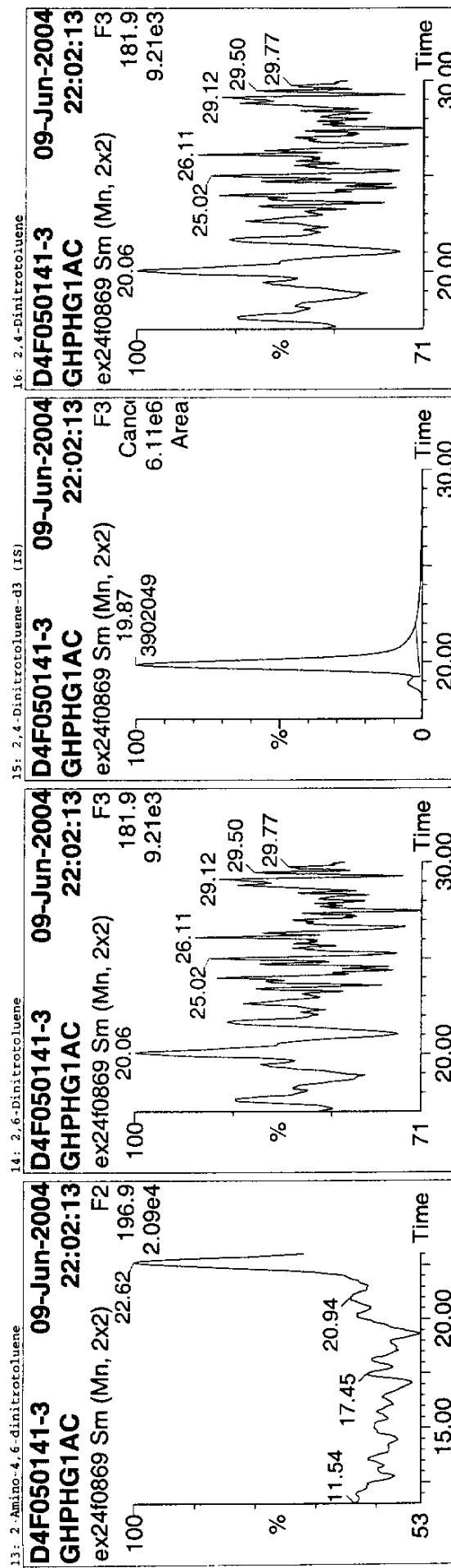
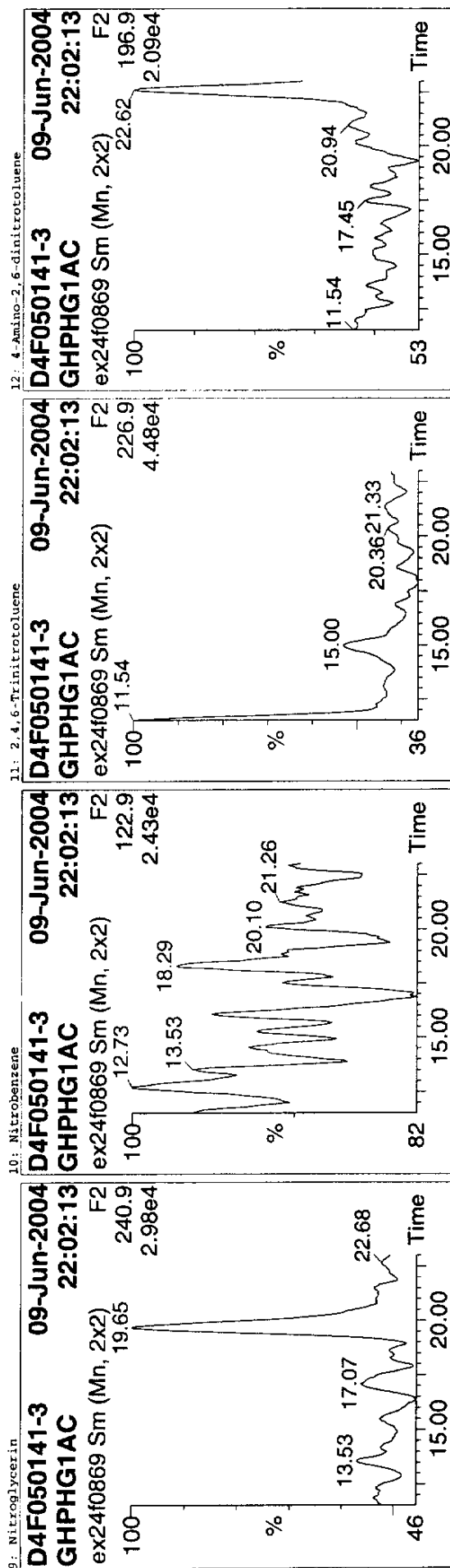
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives_PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0869
Text: D4F050141-3



Analyst: Mark Dymerski

Quantify Sample Report Explosives Analysis

```

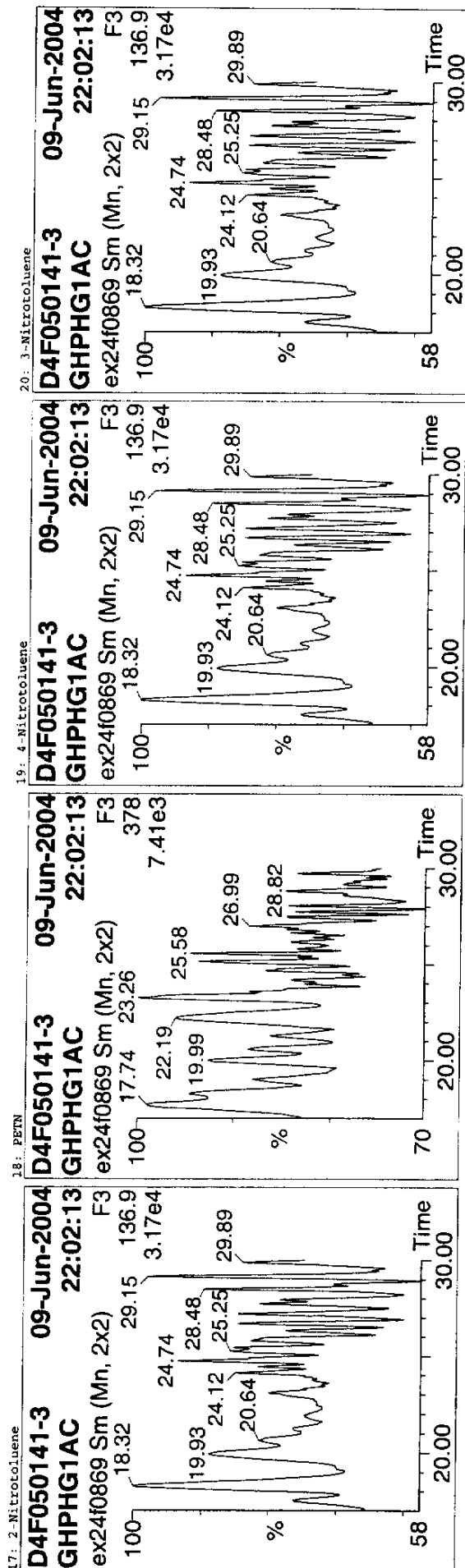
Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(16)
Least modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

```

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0869
Text: D4F050141-3

17: 2-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX			3774254								
2	RDX 13C-3 284 (IS)	10.07	3774254									
3	RDX			3774254		3774253..	bb	0.732	73.24			
4	1,3,5-Trinitrobenzene			3774254								
5	Decyl			1368782								
6	Dinitrobenzene-d4 (IS)	14.67	1368782			1368781..	bb	0.936	93.64			
7	1,3-Dinitrobenzene			1368782								
8	Dinitrobenzene-d5	15.80	375390					0.421	89.28			
9	Nitroglycerin			1368782								
10	Nitrobenzene			1368782								
11	2,4,6-Trinitrotoluene			1368782		0.396	bb					
12	4-Amino-2,6-dinitrotoluene			1368782								
13	2-Amino-4,6-dinitrotoluene			1368782								
14	2,6-Dinitrotoluene			3902049								
15	2,4-Dinitrotoluene-d3 (IS)	19.86	3902049									
16	2,4-Dinitrotoluene		3902049			3902049..	db	0.979	97.89			
17	2-Nitrotoluene			3902049								
18	PETN			3902049								
19	4-Nitrotoluene			3902049								
20	3-Nitrotoluene			3902049								

Analyst: Mark Dymerski

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

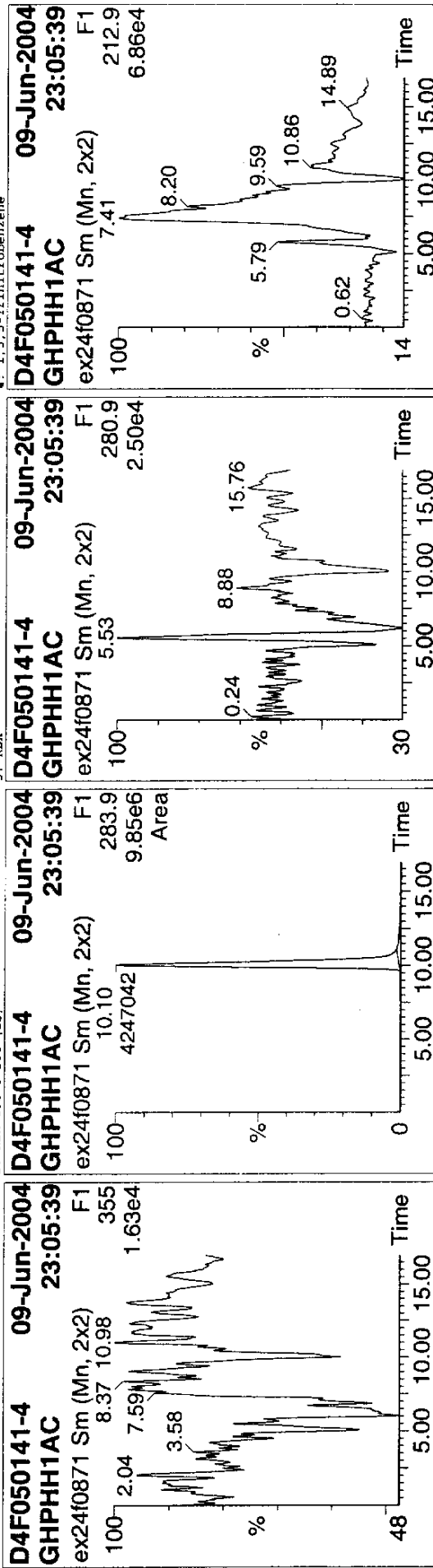
Name: ex24f0871
Text: D4F050141-4

1: HMX

2: RDX 13C-3 284 (IS)

3: RDX

4: 1,3,5-Trinitrobenzene

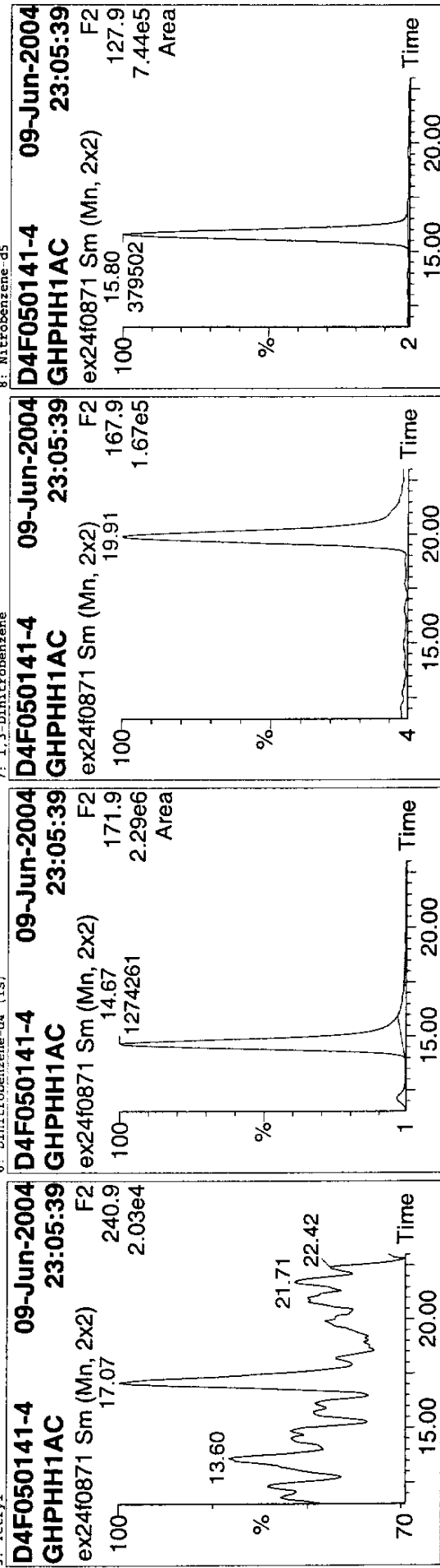


5: Tetryl

6: Dinitrobenzene-d4 (IS)

7: 1,3-Dinitrobenzene

8: Nitrobenzene-d5

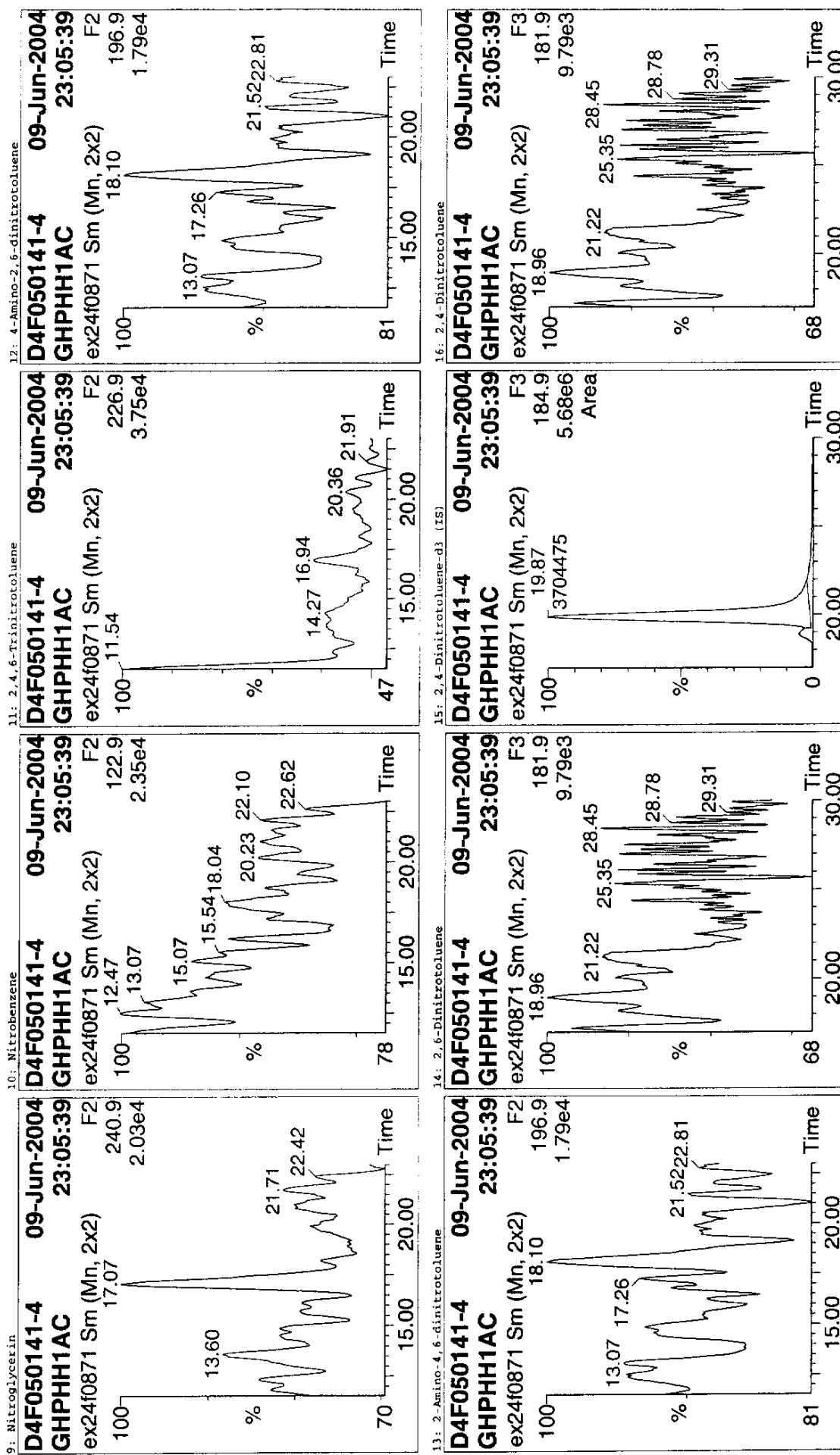


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0871
Text: D4F050141-4

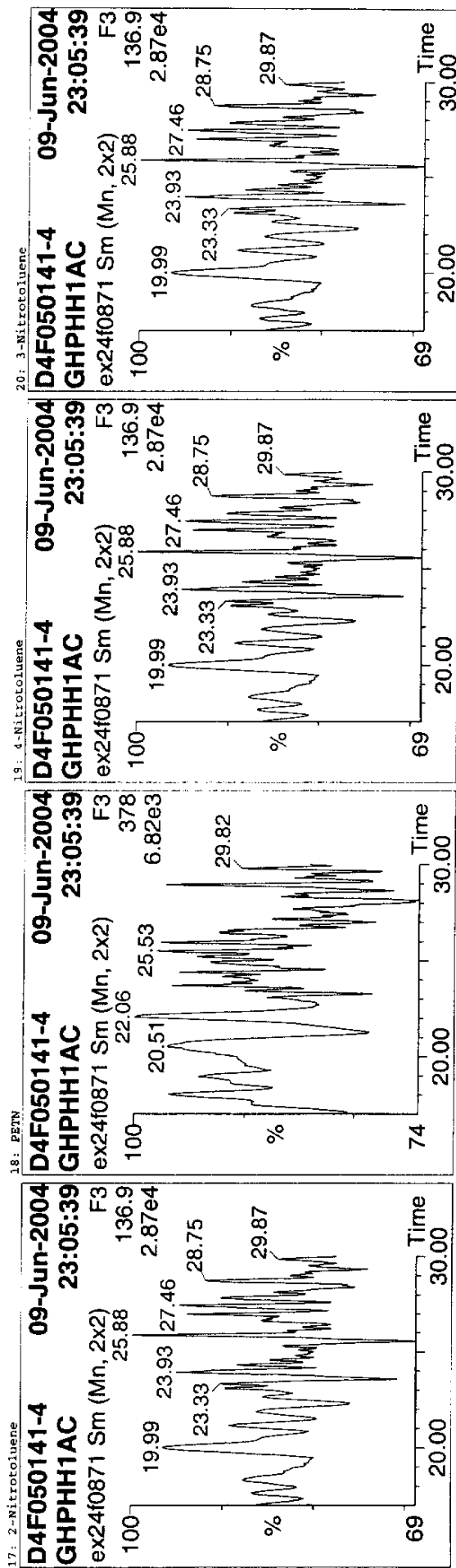


Analyst: Mark Dymerski

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0871
Text: D4F050141-4



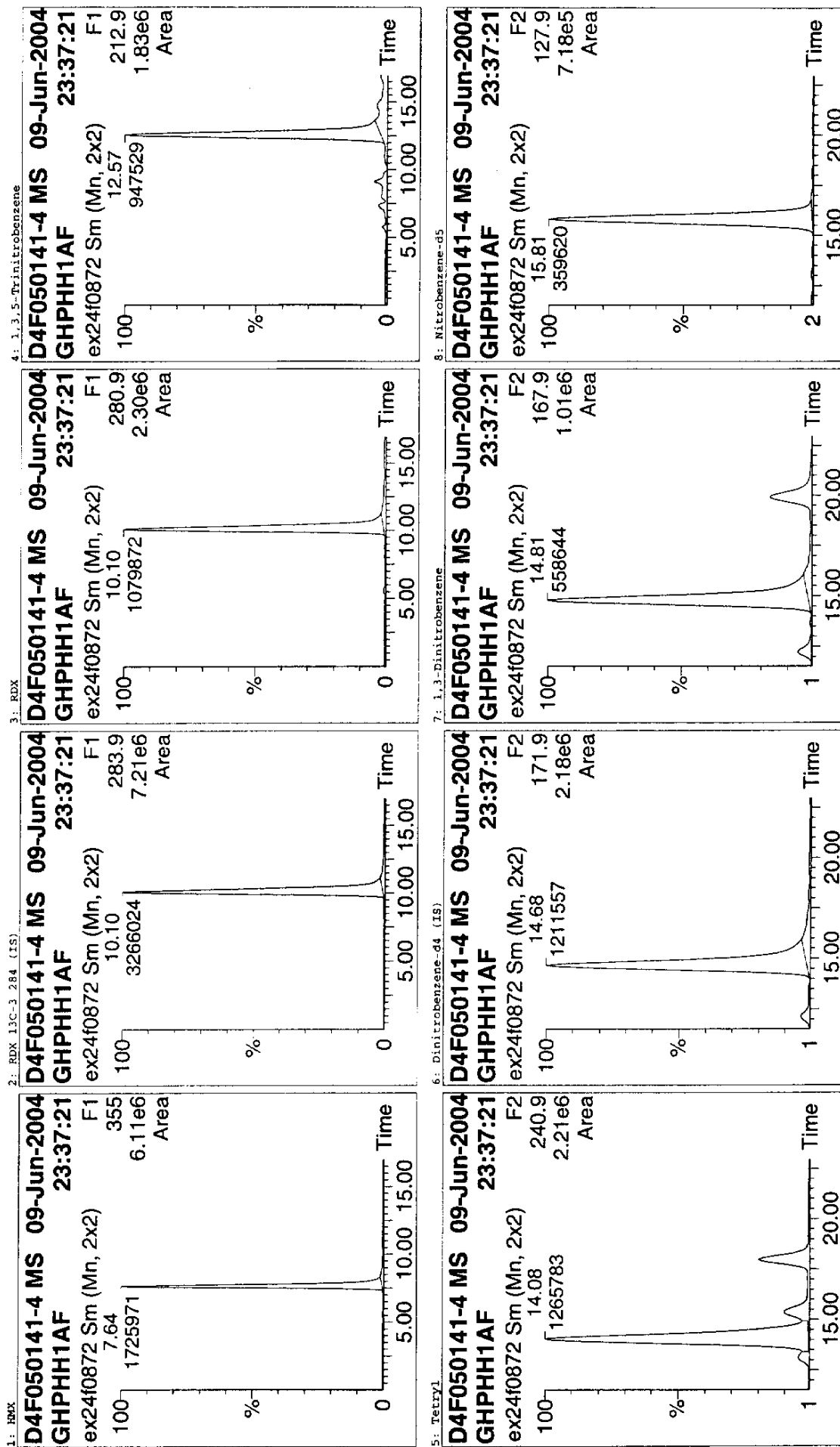
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0872
Text: D4F050141-4 MS



Analyst: Mark Dymarski

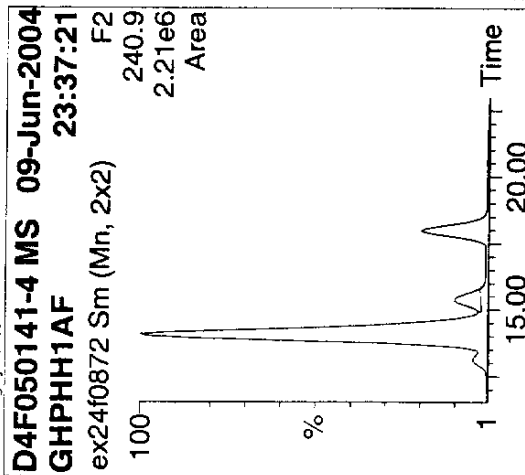
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

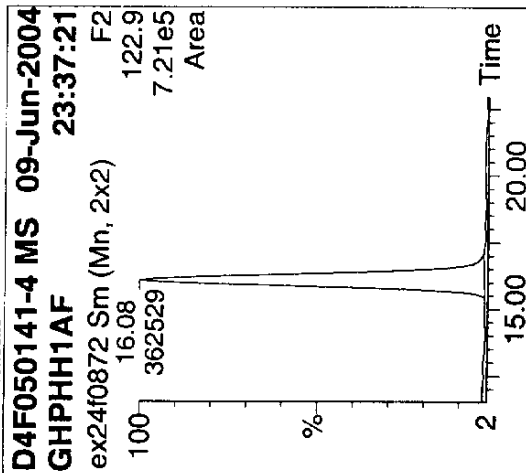
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0872
Text: D4F050141-4 MS

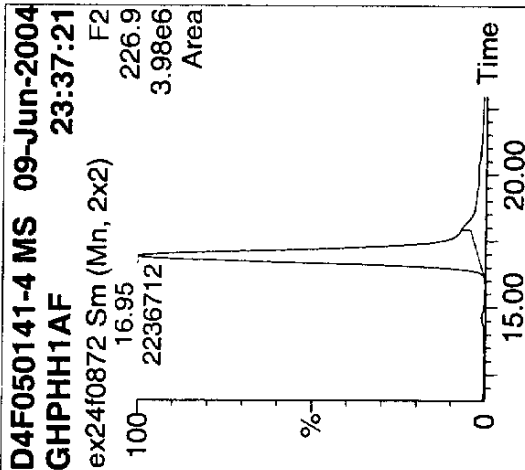
9: Nitroglycerin



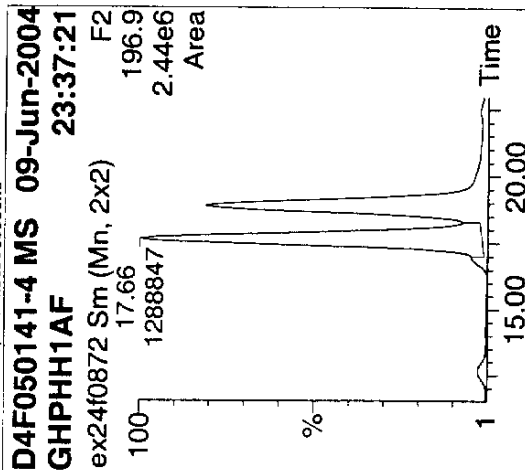
10: Nitrobenzene



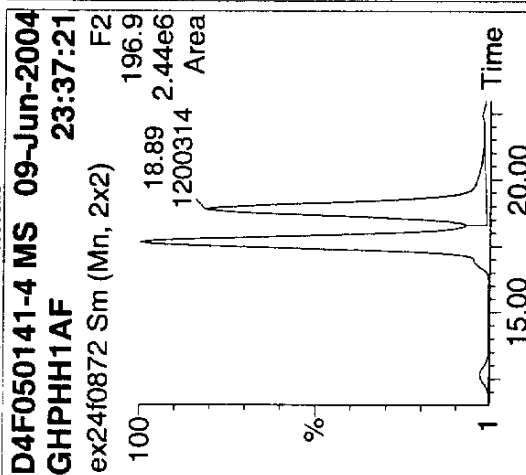
11: 2,4,6-Trinitrotoluene



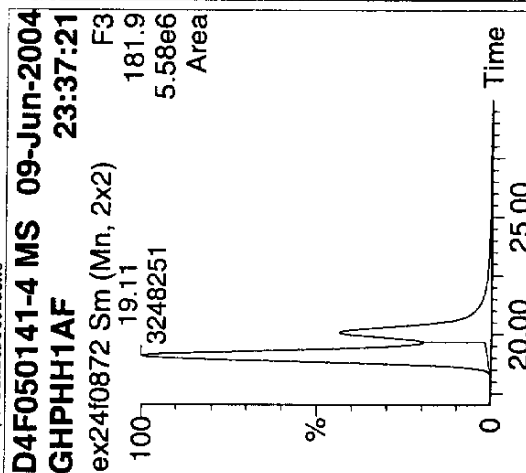
12: 4-Amino-2,6-dinitrotoluene



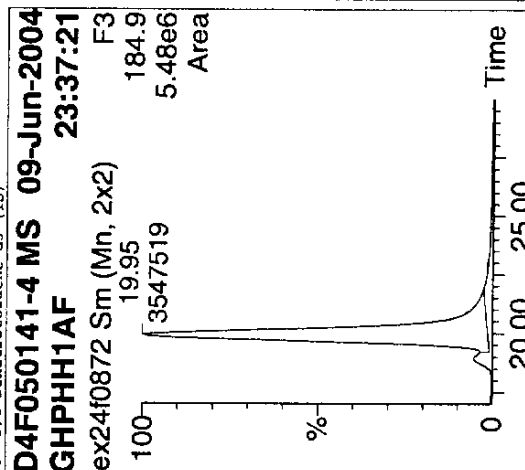
13: 2-Amino 4,6-dinitrotoluene



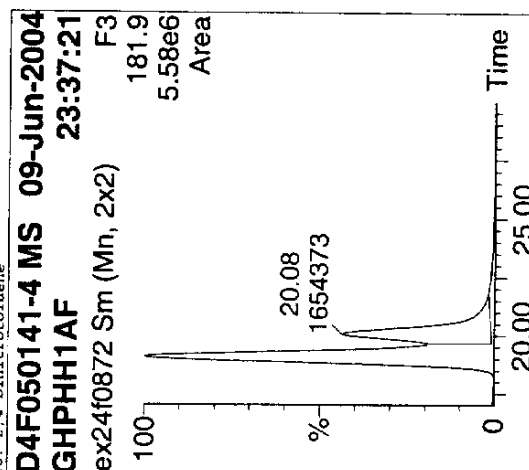
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene



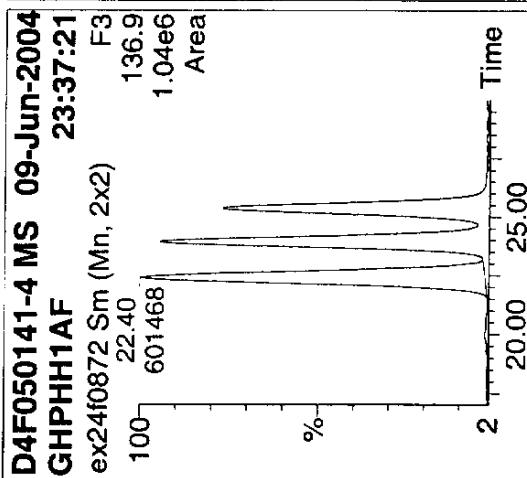
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives\PRO\SampleDB\ex24f08 (6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslyn\Explosives\PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

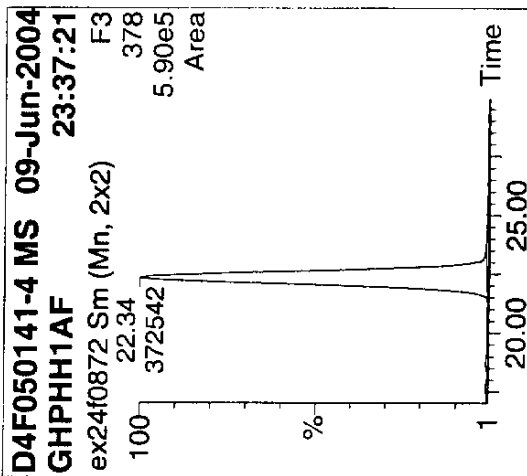
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0872
 Text: D4F050141-4 MS

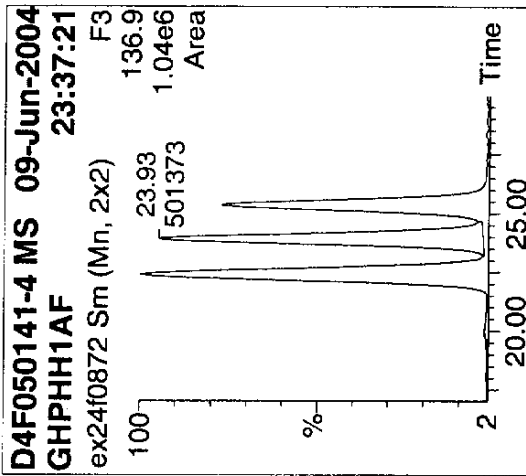
17: 2-Nitrotoluene



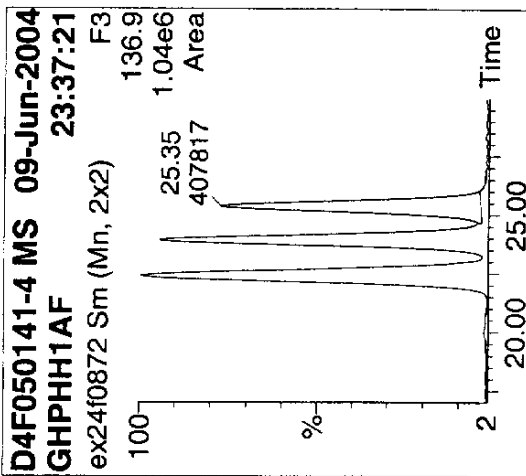
18: PETN



19: 4 Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod. Date	Mod. Comment
1	HMV	7.64	1725971	3266024	0.528	bb	0.523	110.91		
2	RDX 13C-3 284 (IS)	10.10	3266024	3266024	0.528	bb	0.534	63.36		
3	RDX	10.10	1079872	3266024	0.331	bb	0.474	100.43		
4	1,3,5-Trinitrobenzene	12.57	947529	1211557	0.782	bb	0.408	86.51		
5	Tetryl	14.08	1265763	1211557	1.045	dd	0.320	67.92		
6	Dinitrobenzene-d4 (IS)	14.68	1211557	1211557	1211556	bb	0.894	89.42		
7	1,3-Dinitrobenzene	14.81	558644	1211557	0.461	bb	0.457	96.78		
8	Nitrobenzene-d5	15.81	359620	1211557	0.297	bb	0.423	89.58		
9	Nitroglycerin	15.35	82607	1211557	0.068	bb	0.264	55.93		
10	Nitrobenzene	16.08	362529	1211557	0.299	bb	0.428	90.81		
11	2,4,6-Trinitrotoluene	16.95	2236712	1211557	1.846	bs	0.428	90.67		
12	4-Amino-2,6-dinitrotoluene	17.66	1288847	3547519	0.363	dd	0.436	92.52		
13	2-Amino-4,6-dinitrotoluene	18.89	1200314	3547519	0.338	db	0.473	100.31		
14	2,6-Dinitrotoluene	19.11	3248251	3547519	0.916	bd	0.453	96.13		
15	2,4-Dinitrotoluene-d3 (IS)	19.95	3547519	3547519	3547519	db	0.890	89.00		
16	2,4-Dinitrotoluene	20.08	1654373	3547519	0.466	db	0.448	94.94		
17	2-Nitrotoluene	22.08	601468	3547519	0.170	bb	0.404	85.73		
18	PETN	22.34	372542	3547519	0.105	bb	0.462	97.91		
19	4-Nitrotoluene	23.93	501373	3547519	0.141	dd	0.420	89.14		
20	3-Nitrotoluene	25.35	407817	3547519	0.115	db	0.406	86.10		

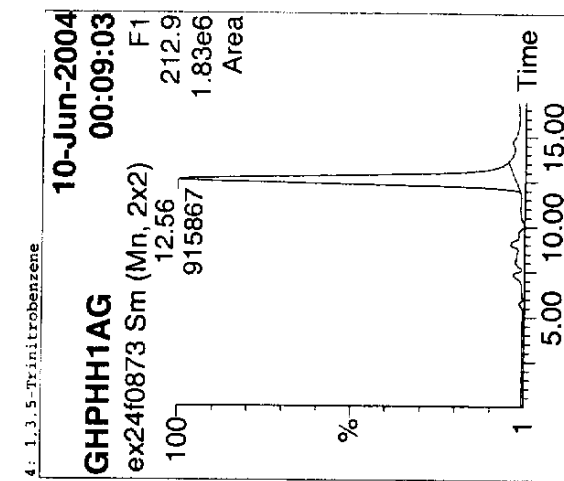
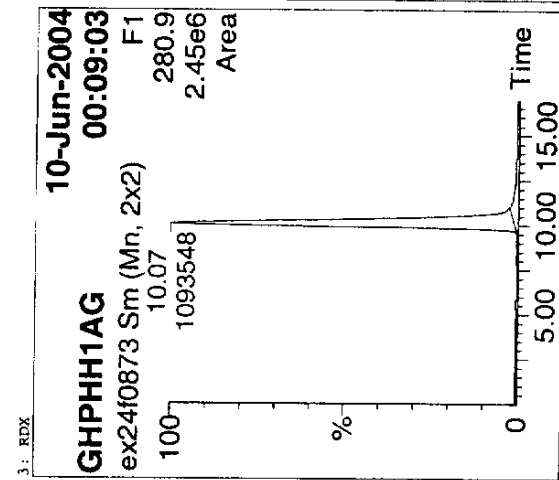
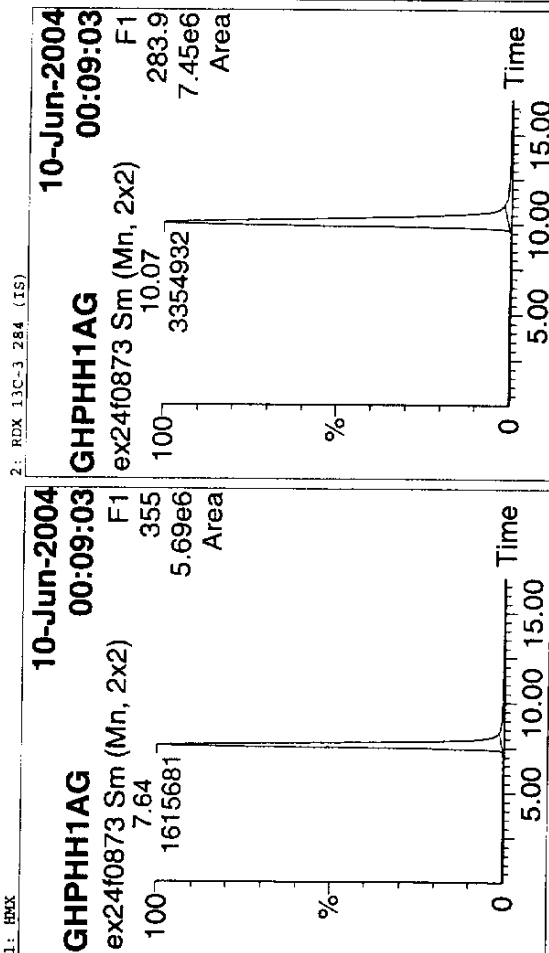
Analyst: Mark Dymerski

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

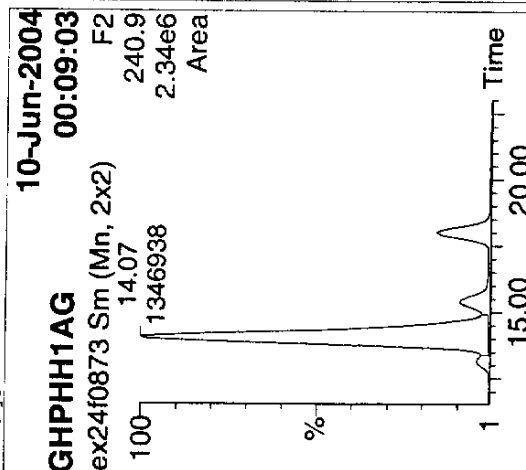
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0873
Text: D4f050141-4 MSD

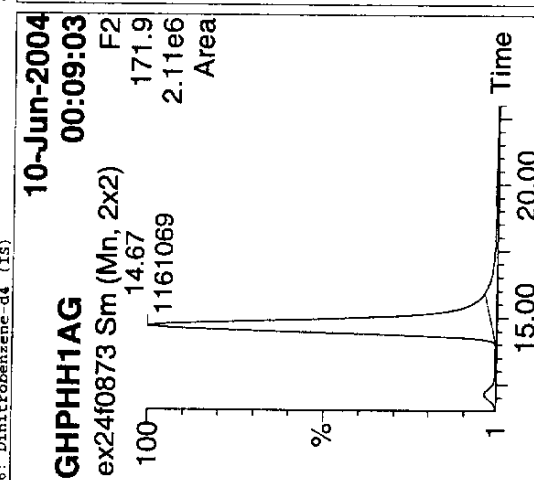
1: HMX



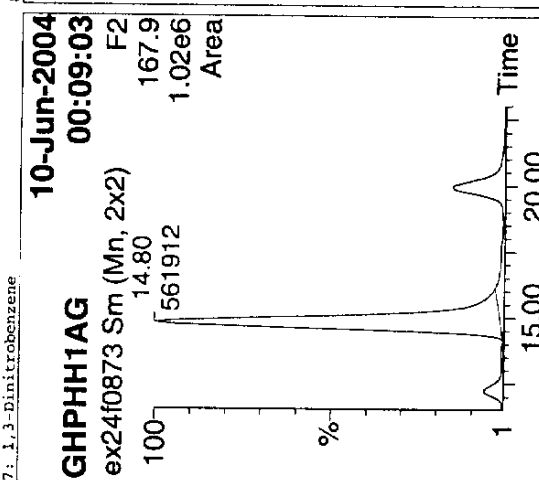
5: Tetrazyl



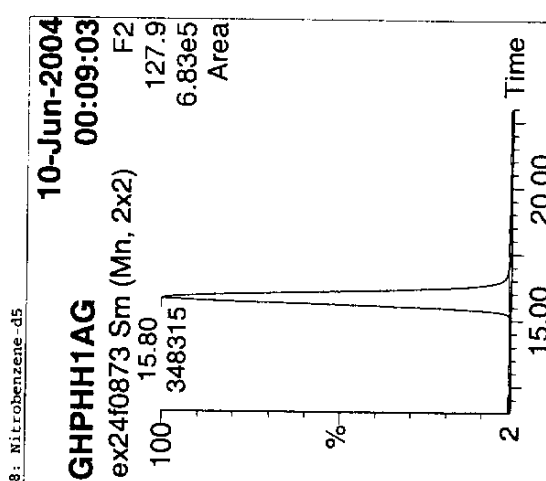
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



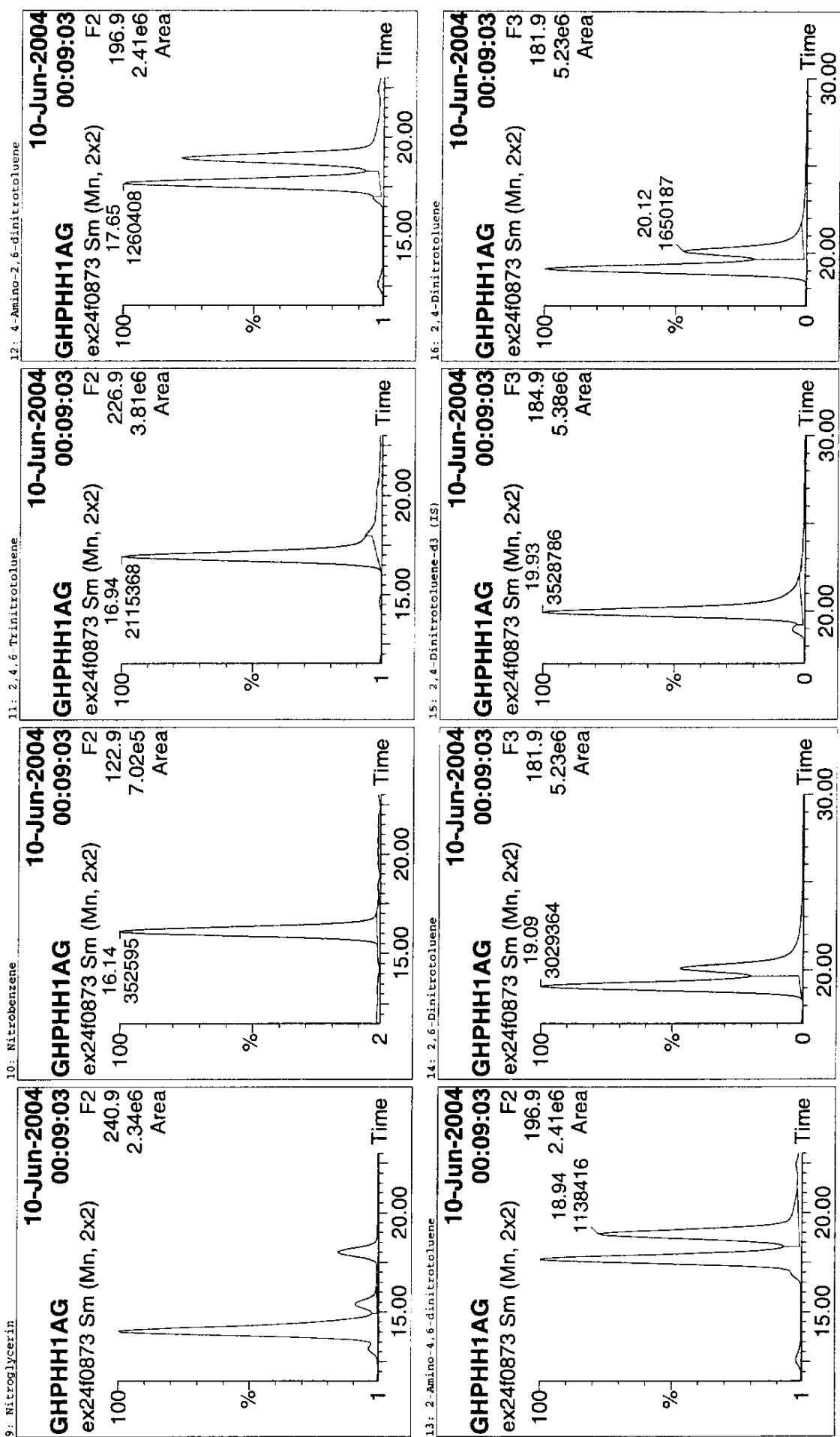
8: Nitrobenzene-d5



Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0873
Text: DAF050141-4 MSD

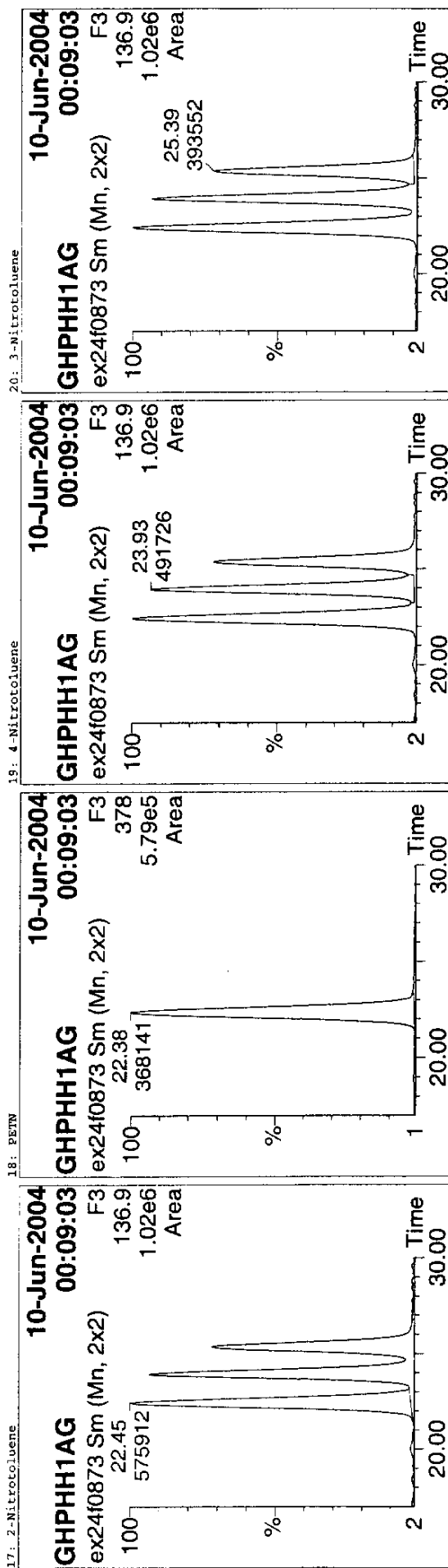


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0873
Text: D4F050141-4 MSD



# Name	RT	Area	IS Area	Response	Flags	Result	XRef	Mod.	Date	Mod.	Comment
1 HX	7.64	1615681	3354932	0.482	bb	0.495	98.48				
2 RDX 13C-3 284 (IS)	10.07	3354932	3354931	0.326	bb	0.651	65.10				
3 RDX	10.07	1093548	3354932	0.326	bb	0.498	98.97				
4 1,3,5-Trinitrobenzene	12.56	915867	1161069	0.789	bb	0.439	87.34				
5 Tetryl	14.07	1346938	1161069	1.160	dd	0.383	76.13				
6 Dinitrobenzene-d4 (IS)	14.67	1161069	1161069	0.484	bb	0.857	85.69				
7 1,3-Dinitrobenzene	14.80	561912	1161069	0.300	bb	0.511	101.65				
8 Nitrobenzene-d5	15.80	348315	1161069	0.097	ds	0.455	90.54				
9 Nitroglycerin	15.40	112607	1161069	0.304	bb	0.431	85.59				
10 Nitrobenzene	16.14	352595	1161069	1.822	bs	0.464	92.20				
11 2,4,6-Trinitrotoluene	16.94	2115368	3528786	0.357	dd	0.450	89.46				
12 4-Amino-2,6-dinitrotoluene	17.65	1250408	3528786	0.323	db	0.457	90.93				
13 2-Amino-4,6-dinitrotoluene	18.94	1138416	3528786	0.858	bd	0.480	95.51				
14 2,6-Dinitrotoluene	19.09	3029364	3528786	0.463	db	0.453	90.04				
15 2,4-Dinitrotoluene-d3 (IS)	19.93	3528786	3528785	0.163	bb	0.885	88.53				
16 2,4-Dinitrotoluene	20.12	1650187	3528786	0.479	95.20	0.479	95.20				
17 2-Nitrotoluene	22.45	575912	3528786	0.163	bb	0.415	82.47				
18 PETN	22.38	368141	3528786	0.104	bb	0.489	97.14				
19 4-Nitrotoluene	23.93	491726	3528786	0.139	dd	0.442	87.87				
20 3-Nitrotoluene	25.39	393552	3528786	0.112	db	0.420	83.50				

Analyst: Mark Dymarski

LC/MS

Supporting Documentation

Sample Sequence, Quant Reports,
Chromatograms



STL

Lot ID: D4F040396

Client: Techlaw Inc

Method: 8321A RDX Dega

Associated Samples: 1,3,4

Batch #(s): 4161109

*I certify that, to the best of my knowledge, the attached package
represents a complete and accurate copy of the original data.*

Signature/Date: Mosh Dymnich - 7/7/04

**LC/MS SEMIVOLATILE
ORGANIC EXTRACTION
LOG SHEETS**

RQC058

Seyvern Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 6/09/04
Time: 17:25:48

LEV	LEV	LEV	LEV
1	2	1	2

Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y
Y	Y	Y	Y

Blank
Check
MS/MSD
Weights/Volumes
Spike & Surrogate Worksheet
Vial contains correct volume
Labels, greenbars, worksheets
computer batch: correct & all match
Anomalies to Extraction Method

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to Analytical Group
Bench Sheet Copied per COC

Extractionist: 009250 Heather Despres

Concentrationist: 009250 Heather Despres

* QC BATCH: 4161109 *
* PREP DATE: 6/09/04 7:15
* COMP DATE: 6/09/04 17:00

Reviewer/Date: MOTICHJA / 6/09/04

8321A, Nitroso Degradates of RDX
SOLID PHASE EXTRACTION (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID	
6/09/04	6/22/04	D4F040396-001 GHNJQ-1-AA	D	B7	EQ	WATER	1063mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O 2.5	.25 ML 856-66-1 6-8-4
6/09/04	6/22/04	D4F040396-003 GHNJV-1-AA	D	B7	EQ	WATER	971mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O 2.5	.25 ML 856-66-1 6-8-4
6/09/04	6/22/04	D4F040396-004 GHNJW-1-AA	D	B7	EQ	WATER	1054mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O 2.5	.25 ML 856-66-1 6-8-4
6/11/04	6/23/04	D4F050141-001 GHPG9-1-AA	D	B7	EQ	WATER	1066mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O 2.5	.25 ML 856-66-1 6-8-4
6/11/04	6/23/04	D4F050141-002 GHPHF-1-AA	D	B7	EQ	WATER	1063mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O 2.5	.25 ML 856-66-1 6-8-4
6/11/04	6/23/04	D4F050141-003 GHPHG-1-AA	D	B7	EQ	WATER	1062mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O 2.5	.25 ML 856-66-1 6-8-4
6/11/04	6/23/04	D4F050141-004 GHPHH-1-AA	D	B7	EQ	WATER	1062mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O 2.5	.25 ML 856-66-1 6-8-4

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 6/09/04
Time: 17:25:48*****
* QC BATCH: 4161109 *
* PREP DATE: 6/09/04 7:15
* COMP DATE: 6/09/04 17:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH#S INIT ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/11/04	6/23/04	D4F050141-004 GHPHH-1-ADS	D	B7	EQ	WATER	7.0	NA	ACN	2.5	H2O	2.5	1ML 856-67-1 6-9-4 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/11/04	6/23/04	D4F050141-004 GHPHH-1-AED	D	B7	EQ	WATER	7.0	NA	ACN	2.5	H2O	2.5	1ML 856-67-1 6-9-4 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/09/04	0/00/00	R4F090000-109 GHV34-1-AAB		B7	EQ	WATER	7.0	NA	ACN	2.5	H2O	2.5	.25 ML 856-66-1 6-8-4
COMMENTS:													
6/09/04	0/00/00	R4F090000-109 GHV34-1-ACC		B7	EQ	WATER	7.0	NA	ACN	2.5	H2O	2.5	1ML 856-67-1 6-9-4 .25 ML 856-66-1 6-8-4
COMMENTS:													

DEN-LC-RDX H20:MILLI Q/A02E01 ACN:Y44815 CARTRIDGES:S214-18/10940-4
S/S:HD

R = RUSH	C = CLP	NUMBER OF WORK ORDERS IN BATCH:
E = EPA 600	D = EXP. DEL)	11
M = CLIENT REQ MS/MSD		

LC/MS SEMIVOLATILE
Instrument Run Log

Sample List: C:\Masslynx\mnxtnx.PRO\SampleDB\mt24g06(2).SPL
 Printed: Wed Jul 07 12:03:44 2004

Page Position: (1, 1)

	File Name	Sample ID	File Text	Sample Type	TNX $\mu\text{g/L}$	RDX 13C3 $\mu\text{g/L}$	DNX $\mu\text{g/l}$	MNX $\mu\text{g/L}$	Vial
1	mt24g0643	856.90.6	Blank	Blank	0	100	0	0	1
2	mt24g0644	856.90.7	10 ppb	Standard	10.2	10	6.7	12.4	2
3	mt24g0645	856.90.8	25 ppb	Standard	25.6	25	16.8	31	3
4	mt24g0646	856.90.9	50 ppb	Standard	51.3	50	33.5	62	4
5	mt24g0647	856.90.10	100 ppb	Standard	102	100	67	124	5
6	mt24g0648	856.90.11	200 ppb	Standard	204	200	134	248	6
7	mt24g0649	856.90.12	300 ppb	Standard	306	300	201	372	7
8	mt24g0650	856.90.6	Blank	Blank	0	100	0	0	1
9	mt24g0661	856.90.10	100 ppb	QC	102	100	67	124	5
10	mt24g0662	GHV341AA	R4F090000-109 MB	Blank	0	100	0	0	20
11	mt24g0663	GHV341AC	R4F090000-109 LCS	QC	100	100	100	100	21
12	mt24g0664	GHNJQ1AA	D4F040396-1	Analyte	0	100	0	0	22
13	mt24g0665	GHNJV1AA	D4F040396-3	Analyte	0	100	0	0	23
14	mt24g0666	GHNJW1AA	D4F040396-4	Analyte	0	100	0	0	24
15	mt24g0667	GHPG91AA	D4F050141-1	Analyte	0	100	0	0	25
16	mt24g0668	GHPHF1AA	D4F050141-2	Analyte	0	100	0	0	26
17	mt24g0669	GHPHG1AA	D4F050141-3	Analyte	0	100	0	0	27
18	mt24g0670	856.90.11	200 ppb	QC	204	200	134	248	6
19	mt24g0671	GHPHH1AA	D4F050141-4	Analyte	0	100	0	0	28
20	mt24g0672	GHPHH1AD	D4F050141-4 MS	QC	100	100	100	100	29
21	mt24g0673	GHPHH1AE	D4F050141-4 MSD	QC	100	100	100	100	30
22	mt24g0674	856.90.10	100 ppb	QC	102	100	67	124	5

Sample List: C:\Masslynx\mnxtnx.PRO\SampleDB\mt24g06(2).SPL
Printed: Wed Jul 07 12:03:44 2004

Page Position: (2, 1)

	Extract (L)	Sample (L or kg)	Dilution	μ L Injected	MS Tune File	Inlet File	MS File
1	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
2	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
3	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
4	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
5	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
6	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
7	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
8	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
9	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
10	0.005	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
11	0.005	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
12	0.005	1.0630	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
13	0.005	0.9710	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
14	0.005	1.0540	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
15	0.005	1.0660	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
16	0.005	1.0630	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
17	0.005	1.0620	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
18	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
19	0.005	1.0620	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
20	0.005	1.0650	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
21	0.005	1.0630	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
22	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx

**LC/MS SEMIVOLATILE
STANDARD DATA**

Quantify Calibration Report
RXD Degradates Analysis

Calibration: C:\Masslynx\mmx\tx.FRO\CurvedB\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

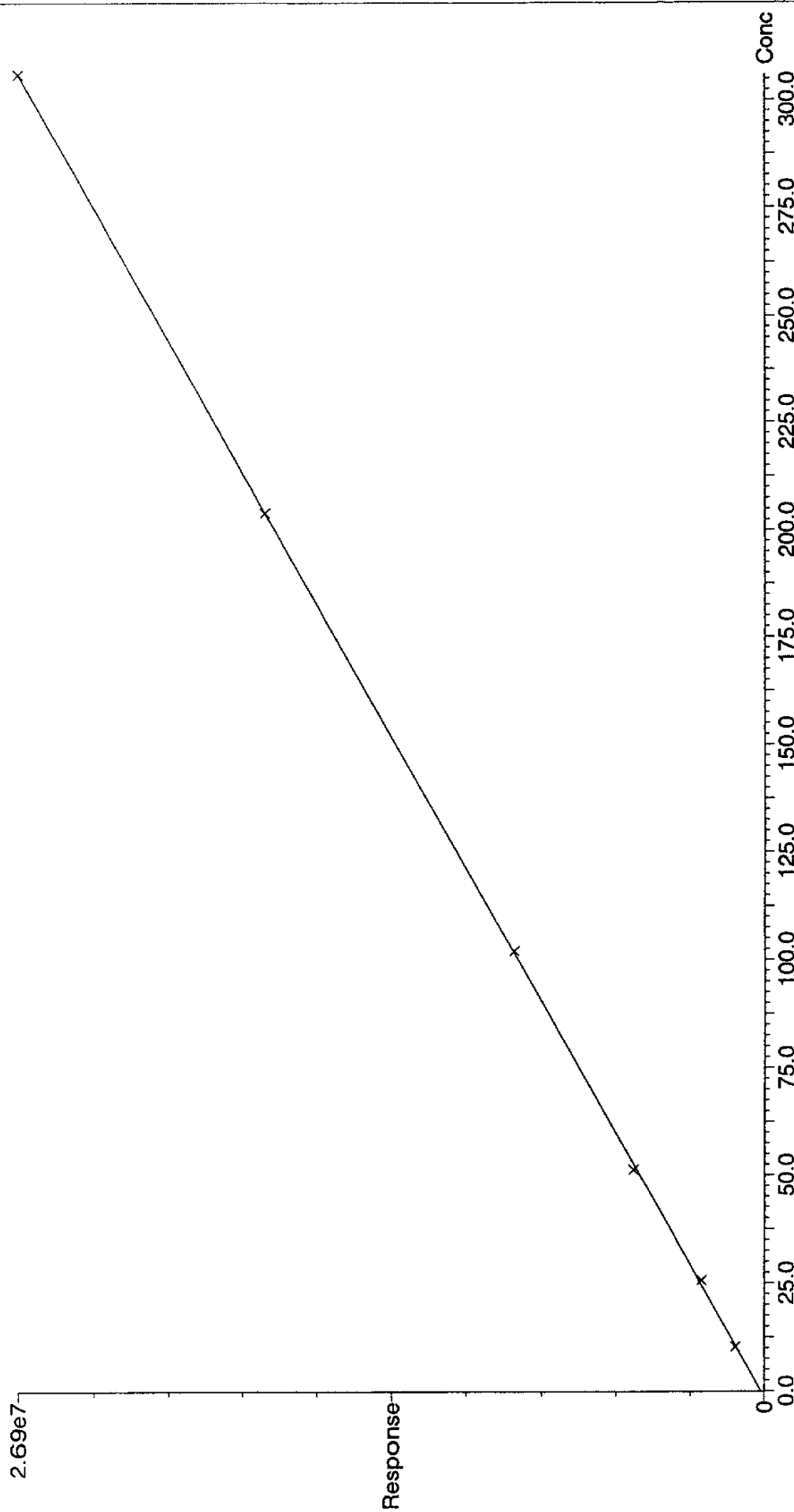
Compound 1 name: TNX Method File: mt24F06

Coefficient of Determination: 0.999947

Calibration curve: $-1.84373 * x^2 + 88043.5 * x + 123273$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
RX Degradates Analysis

Calibration: C:\Masslynx\bin\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

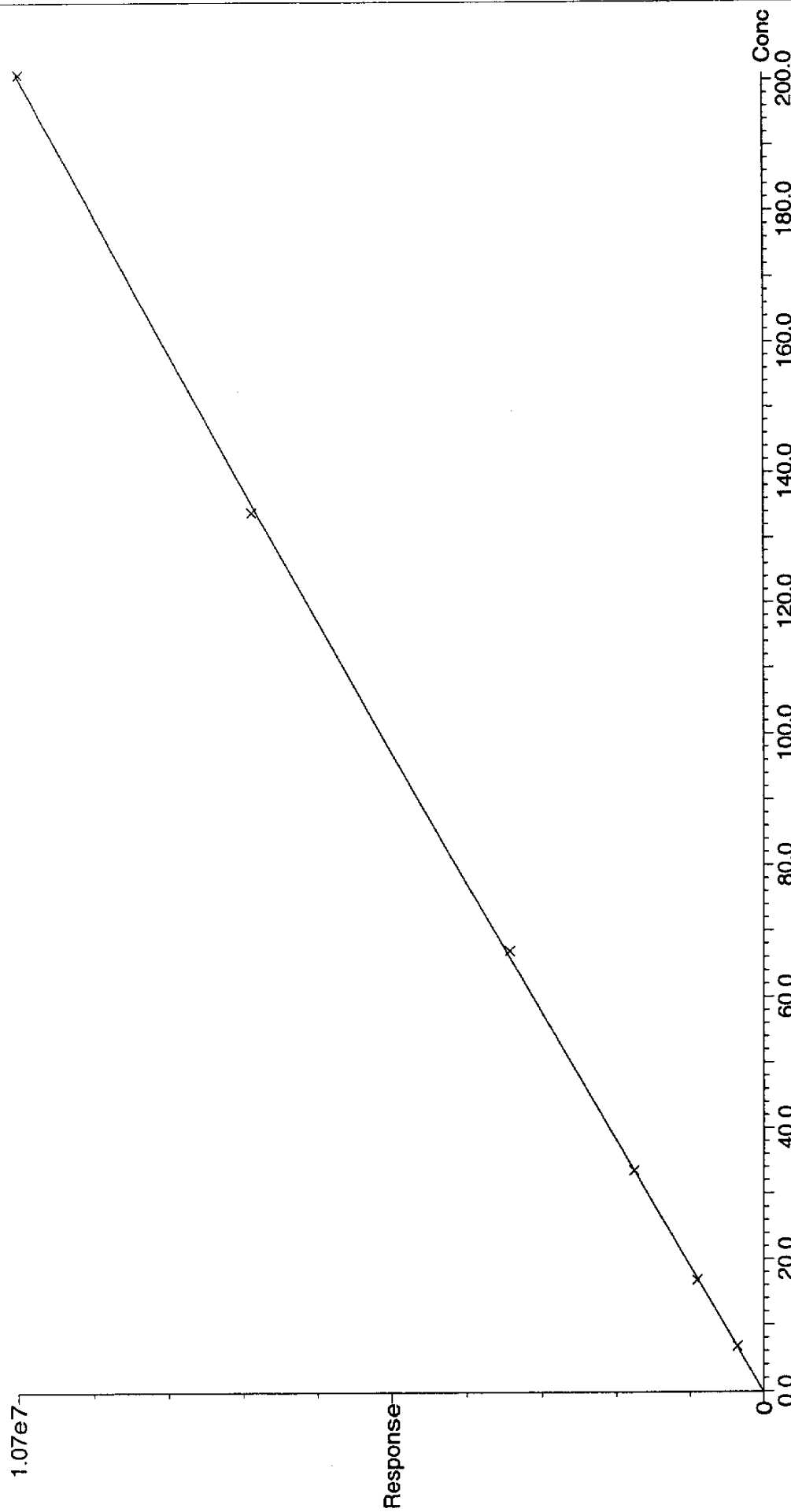
Compound 2 name: DNX Method File: mt24F06

Coefficient of Determination: 0.999904

Calibration curve: $-16.1748 * x^2 + 56452.1 * x + 11559.7$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
RX Degradates Analysis

Calibration: C:\Masslynx\mxrtmx.PRO\CurvedB\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

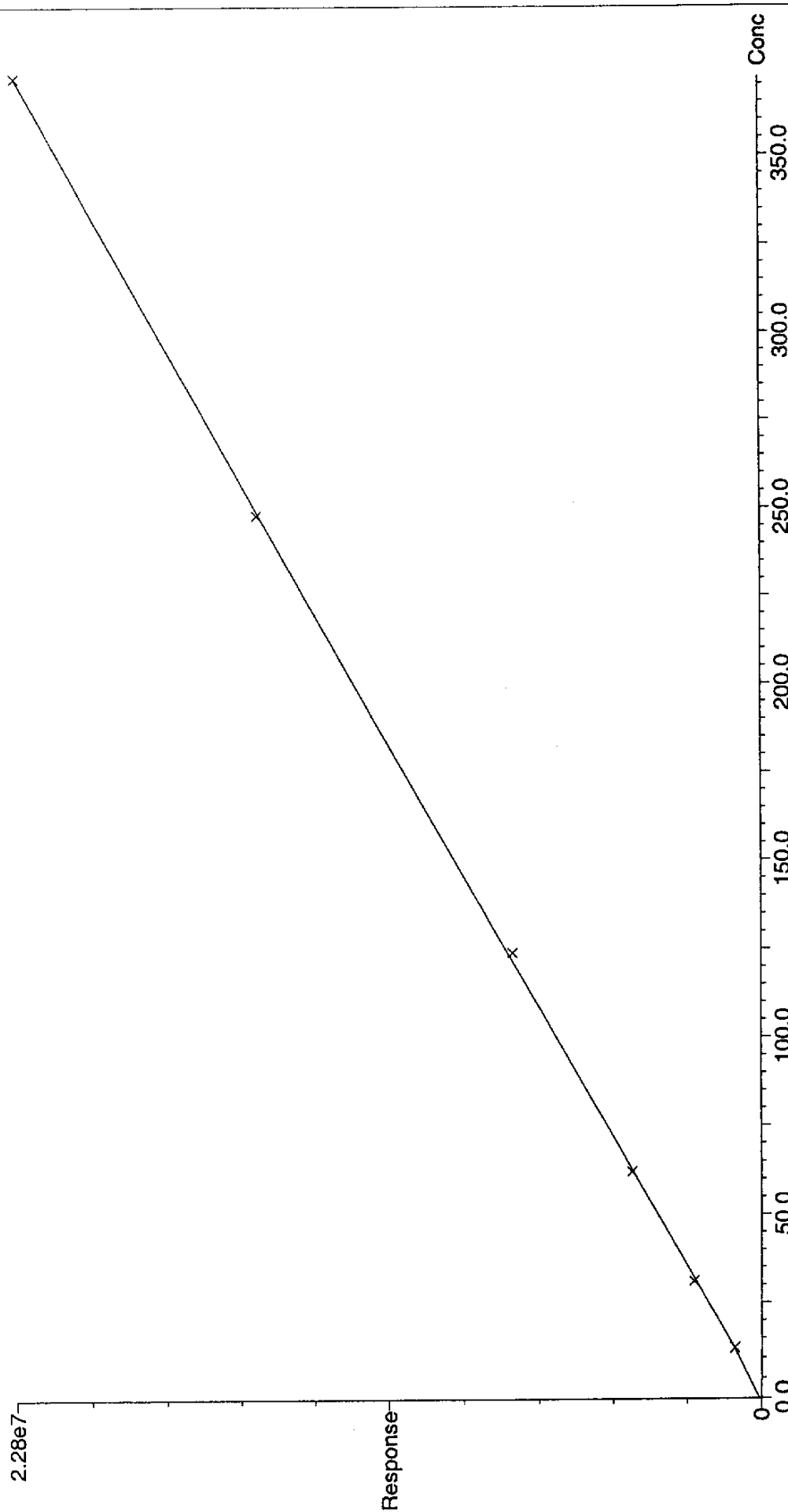
Compound 3 name: MNX Method File: mt24F06

Coefficient of Determination: 0.999910

Calibration curve: $-4.43151 \times 10^{-2} + 62711.1 \times x + 62402.1$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report

RDX Degradates Analysis

Calibration: C:\Masslynx\monitrx.PRO\CurvedR\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

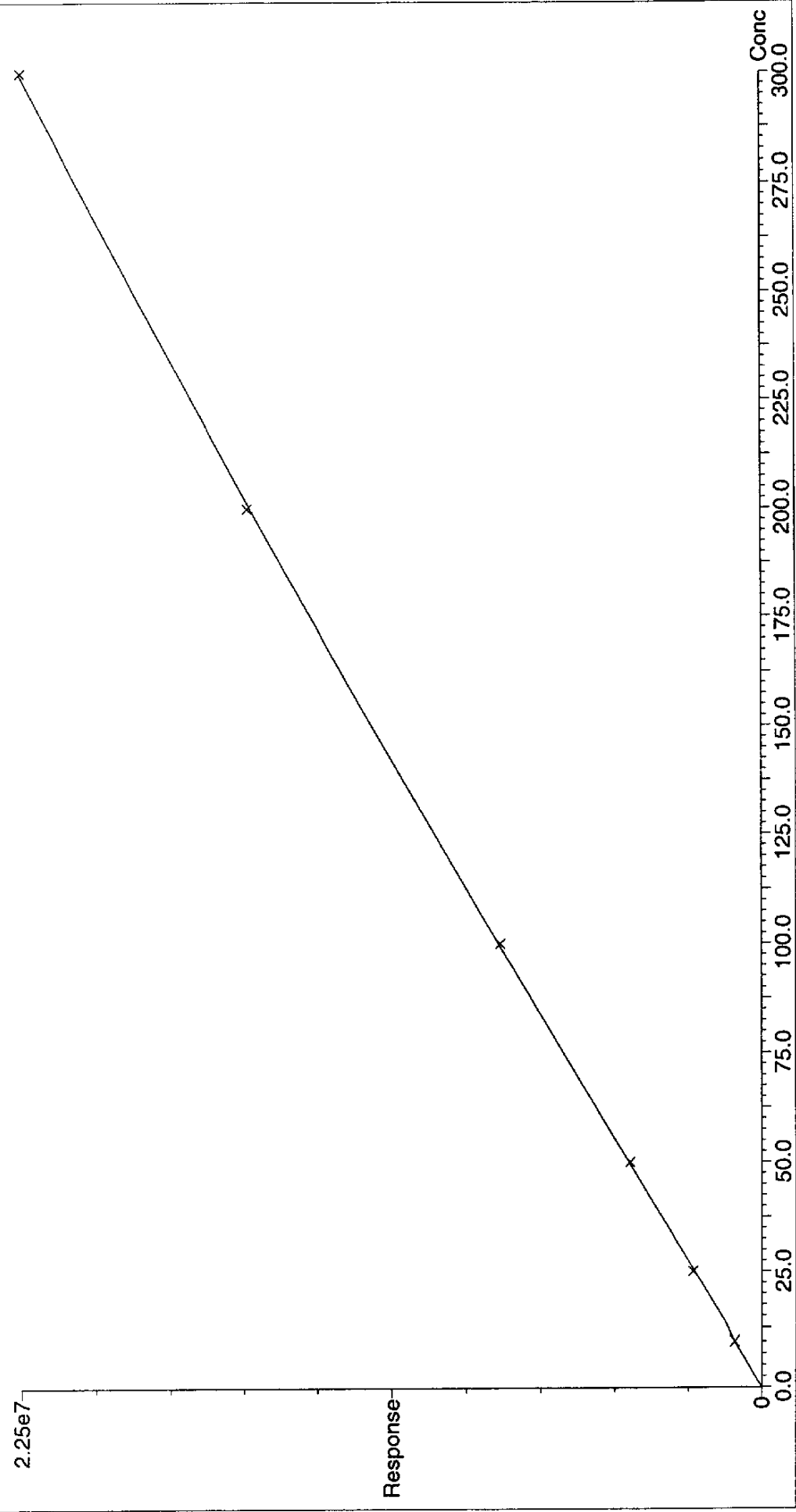
Compound 4 name: RDX13C3 Method File: mt24F06

Coefficient of Determination: 0.999952

Calibration curve: $-25.3451 * x^2 + 82600.6 * x + 5898.65$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



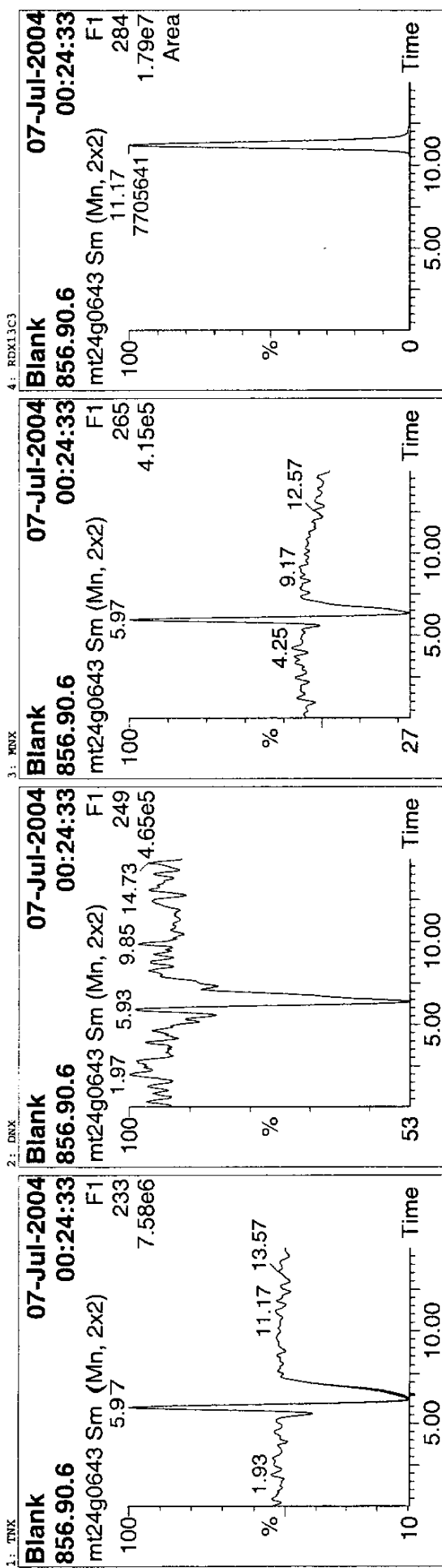
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\msalynx\mmtmx.pro\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\msalynx\mmtmx.pro\MethodDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0643
Text: Blank



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	11.17	7705641	7705640.500	bb		96.0472		96.05		
2 DNX										
3 MNX										
4 RDX13C3										

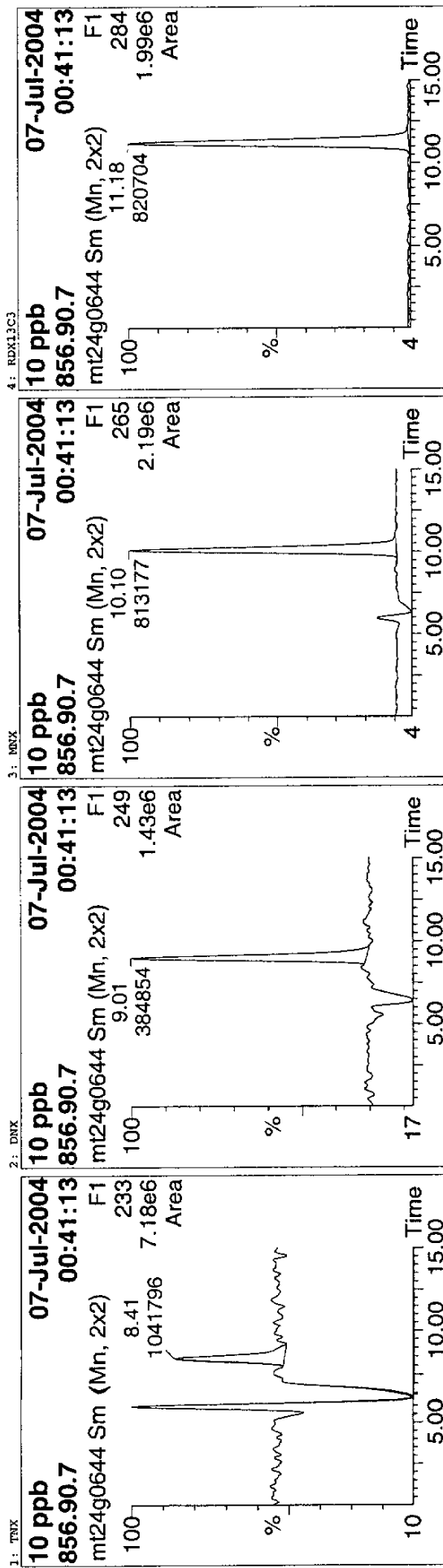
Analyst: Steve Cowling

Quantify Sample Report:
RXN Degradates Analysis

Sample List: C:\Masslynx\mnm\tx\PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mnm\tx\PRO\MethodDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
JOB Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0644
Text: 10 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	μg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1	TNX	8.41	1041796	1041796.438	bb		10.4349		102.30				
2	DNX	9.01	384854	384853.531	bb		6.6252		98.88				
3	MNX	10.10	813177	813176.500	bb		11.9821		96.63				
4	RDX13C3	11.18	820704	820704.125	bb		9.8944		98.94				

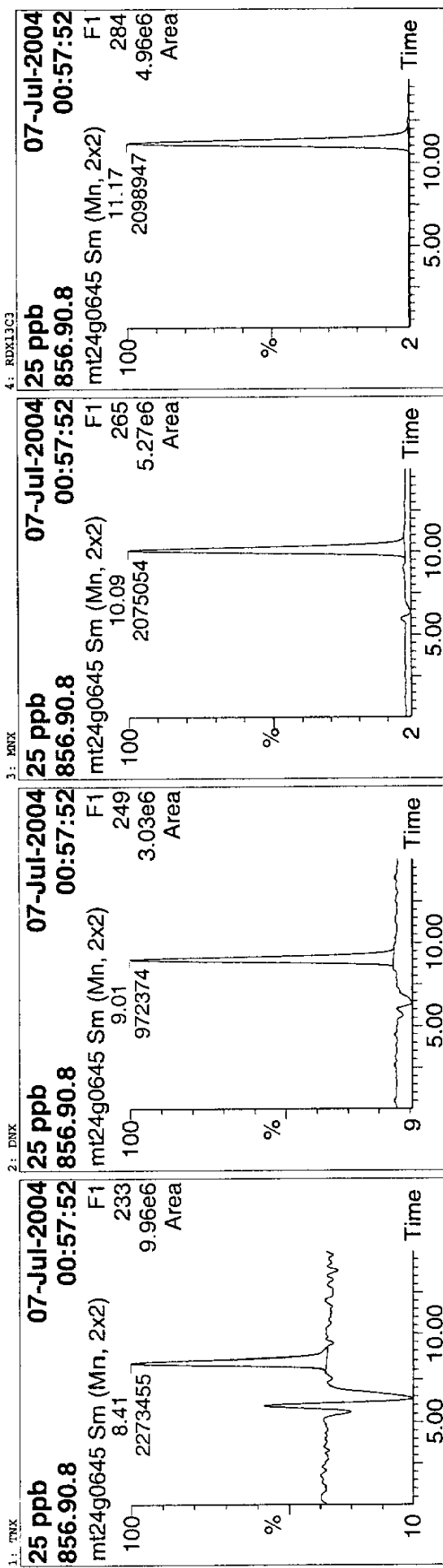
Analyst: Steve Cowling

Quantify Sample Report
RMX Degradates Analysis

Sample List: C:\Masslynx\monitors\PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\monitors\PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0645
Text: 25 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(l or kg)	Spec	Mod.	Date	Mod.	Comment
1	TNX	8.41	2273455	2273455.000	bb		24.4343		95.45				
2	DNX	9.01	972374	972373.500	bb		17.1038		101.81				
3	MNX	10.09	2075054	2075054.125	bb		32.1672		103.77				
4	RDX13C3	11.17	2098947	2098947.000	bb		25.5395		102.16				

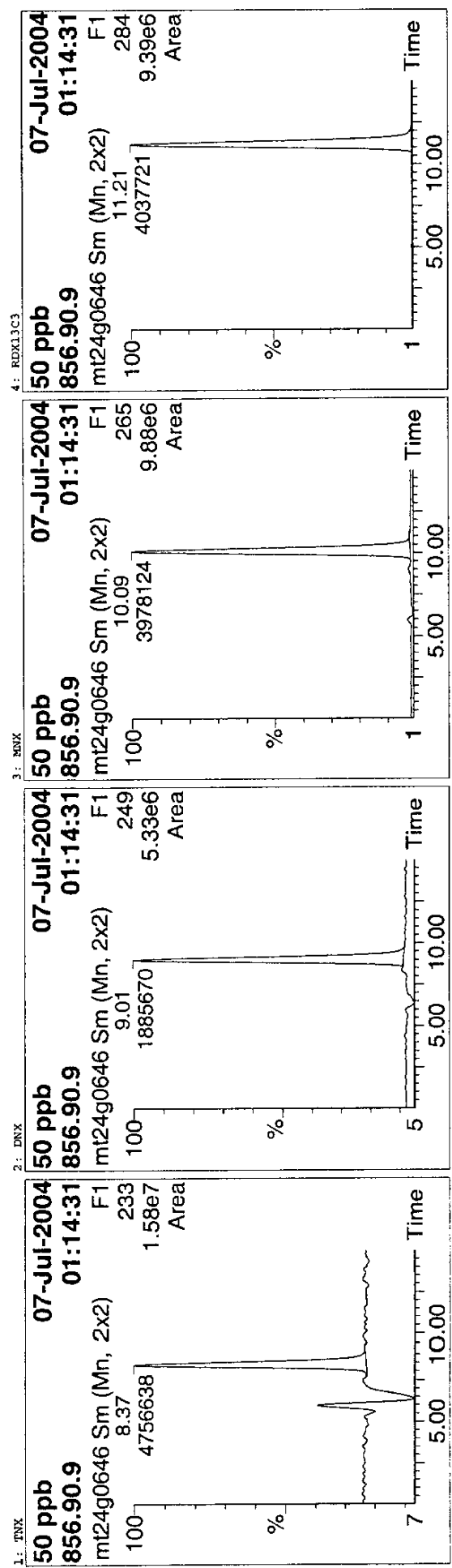
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\unmix\PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\unmix\PRO\MethodDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0646
Text: 50 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/L or kg	%Rec	Mod.	Date	Mod.	Comment
1	TNX	8.37	4756638	4756637.500	bb		52.6840		102.70				
2	DNX	9.01	1885670	1885669.625	bb		33.5202		100.06				
3	MNX	10.09	3978124	3978124.250	bb		62.7186		101.16				
4	RDX13C3	11.21	4037721	4037720.750	bb		49.5649		99.13				

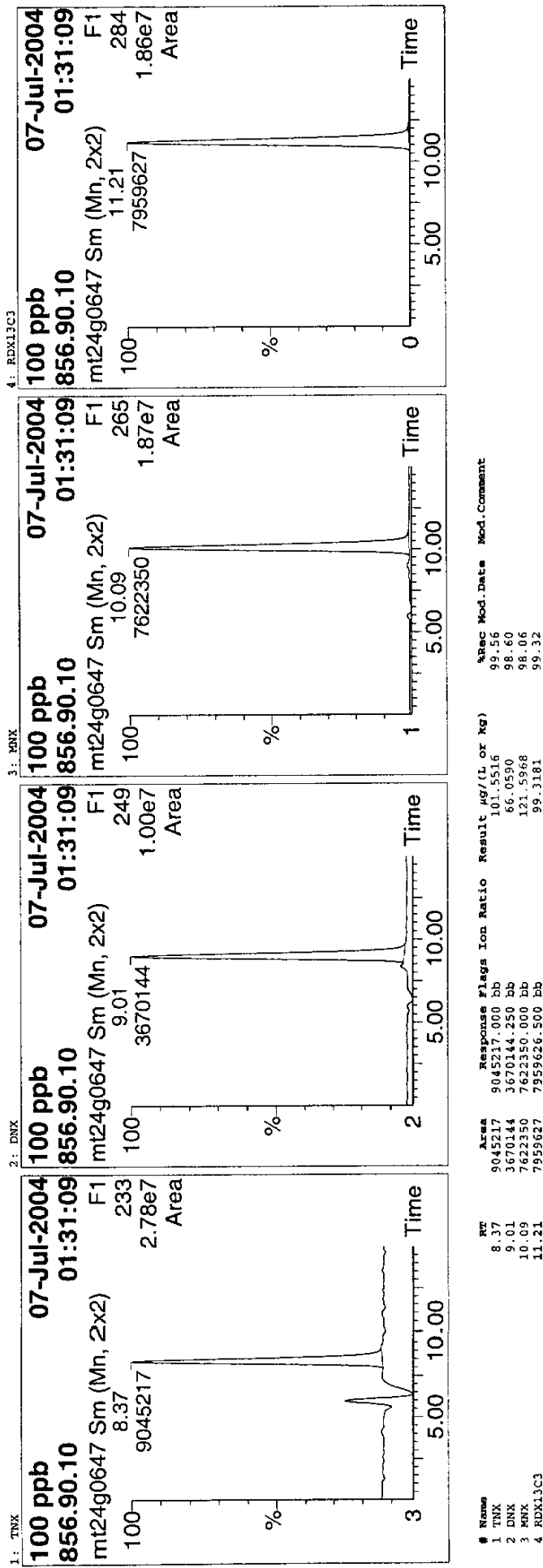
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\data\tmx.prc\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\data\tmx.prc\MethodDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
JOB Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0647
Text: 100 ppb



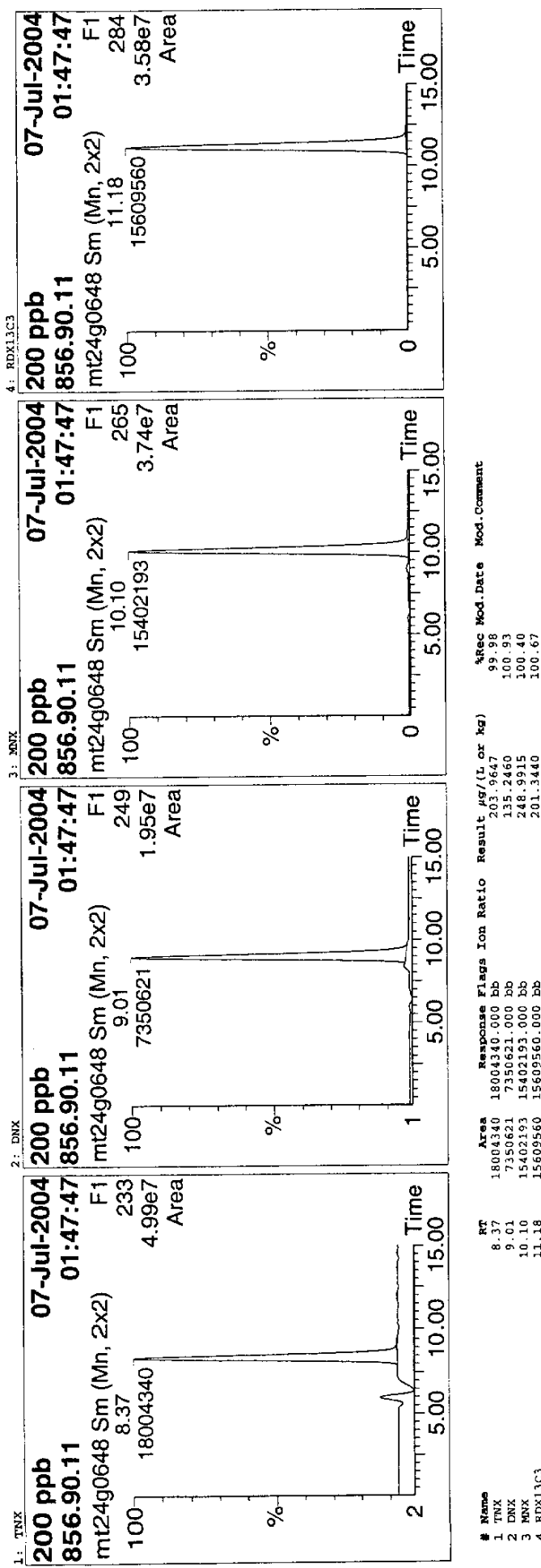
Analyst: Steve Cowling

Quantify Sample Report RDX Degradates Analysis

Sample List: C:\Masslynx\Maxtux.PRO\SampleDB\mt24g06(2)
 Last modified: Wed Jul 07 12:03:27 2004
 Method: C:\Masslynx\Maxtux.PRO\MethodDB\mt24P06
 Last modified: Tue Jul 06 16:18:34 2004
 Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0648
 Text: 200 ppb



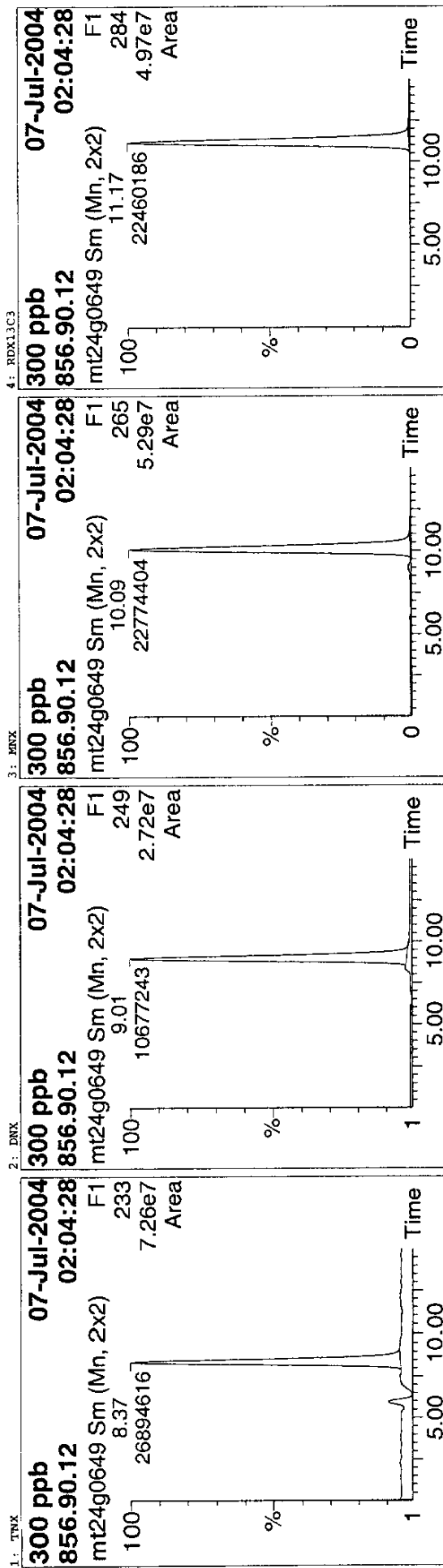
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\maxentx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\maxentx.PRO\Method\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0649
Text: 300 ppb



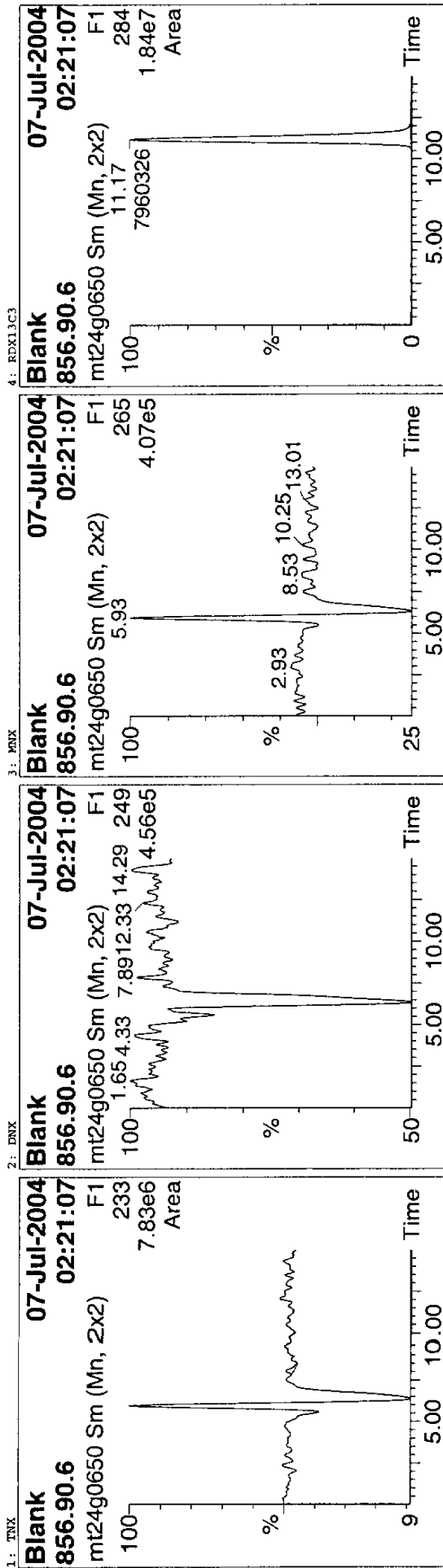
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\monitors\PRO\SAMPLEDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\monitors\PRO\METHODS\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0650
Text: Blank



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	8.05	65543	65542.633	bb		0.0000				
2 DNX										
3 MNX	11.17	7960326	7960326.000	bb		99.3271		99.33		
4 RDX13C3										

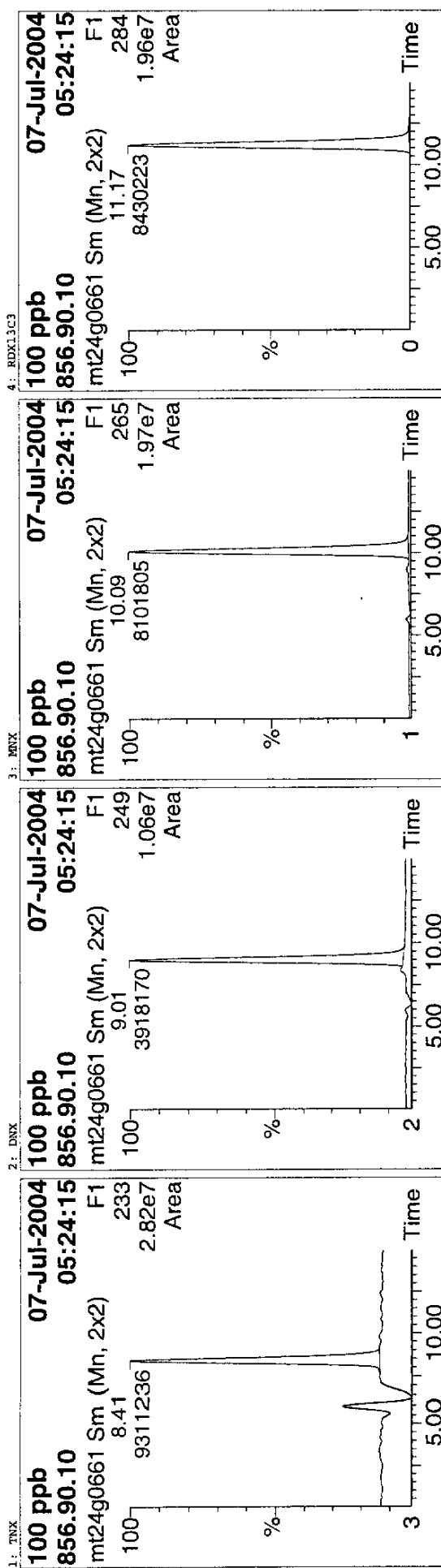
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\unmix\PRO\Samp\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\unmix\PRO\Method\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0661
Text: 100 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod. Date	Mod. Comment
1	TNX	8.41	9311236	9311236.000	bb		104.5861	104.5861	102.54		
2	DNK	9.01	3918170	3918169.500	bb		70.6316	70.6316	105.42		
3	MNX	10.09	8101805	8101805.000	bb		129.3803	129.3803	104.34		
4	RDX13C3	11.17	8430223	8430223.000	bb		105.3972	105.3972	105.40		

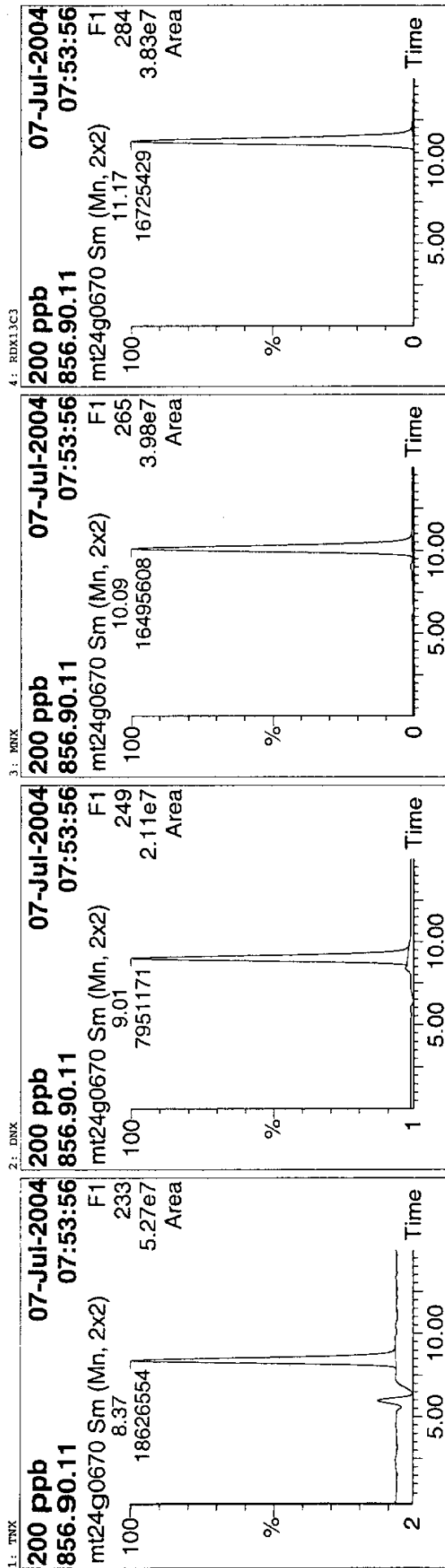
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\monstrx.PRO\Samp1eDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\monstrx.PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0670
Text: 200 ppb



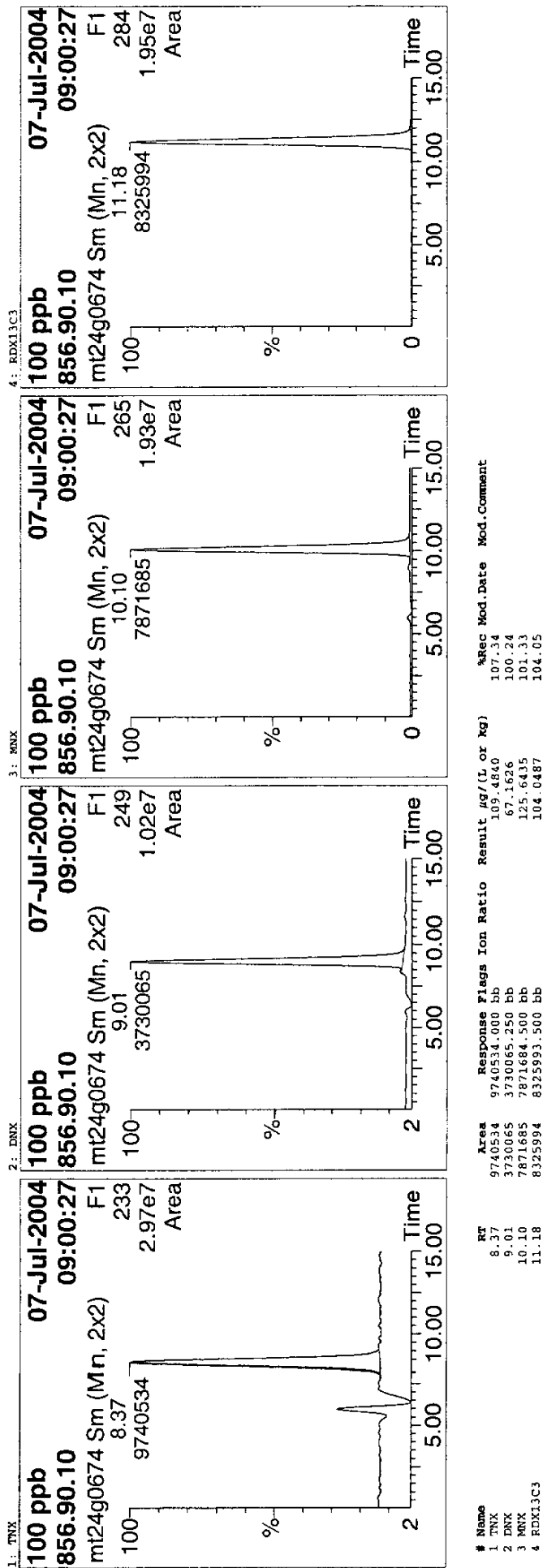
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmtux.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mmtux.PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0674
Text: 100 ppb



Analyst: Steve Cowling

**LC/MS SEMIVOLATILE
SAMPLE DATA**

Quantify Compound Summary Report

RX Degradates Analysis

Sample List: C:\Masslynx\mstnmx\PRO\SampleDB\mt24g06(2)
 Last modified: Wed Jul 07 12:03:27 2004
 Method: C:\Masslynx\mstnmx\PRO\MethodDB\mt24F06
 Last modified: Tue Jul 06 16:18:34 2004
 Job Code:

Printed: Wed Jul 07 12:04:45 2004

Compound 1: TMX Sample List: mt24g06(2) Method File: mt24F06
 Coefficient of Determination: 0.999947
 Calibration curve: $-1.84373 \times 10^{-2} + 88043.5 \times x + 123273$
 Response type: External Std, Area
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std µg/L	RT	Area	Ion Ratio	Flags	Result µg/(L or kg)	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank											10	mt24F06
2 mt24g0644	856.90.7	10 ppb	Standard	10.20	8.41	1041796		bb	10.4349	102.3	1.000	1.000	1.0	10	mt24F06
3 mt24g0645	856.90.8	25 ppb	Standard	25.60	8.41	2273455		bb	24.4343	95.4	1.000	1.000	1.0	10	mt24F06
4 mt24g0646	856.90.9	50 ppb	Standard	51.30	8.37	4756338		bb	53.6840	102.7	1.000	1.000	1.0	10	mt24F06
5 mt24g0647	856.90.10	100 ppb	Standard	102.00	8.37	9043217		bb	101.5516	99.6	1.000	1.000	1.0	10	mt24F06
6 mt24g0648	856.90.11	200 ppb	Standard	204.00	8.37	18084340		bb	203.9647	100.0	1.000	1.000	1.0	10	mt24F06
7 mt24g0649	856.90.12	300 ppb	Standard	306.00	8.37	26894616		bb	306.0307	100.0	1.000	1.000	1.0	10	mt24F06
8 mt24g0650	856.90.6	Blank	Blank			65543		bb	0.0000					10	mt24F06
9 mt24g0661	856.90.10	100 ppb	QC	102.00	8.41	9311236		bb	104.5861	102.5	1.000	1.000	1.0	10	mt24F06
10 mt24g0662	GHV341AA	R4F090000-109 MB	Blank			8218		bb	0.0000					10	mt24F06
11 mt24g0663	GHV341AC	R4F090000-109 LCS	QC	100.00	8.41	4815855		bb	0.2668	53.4	0.005	1.000	1.0	10	mt24F06
12 mt24g0664	GHV341AA	D4F040396-1	Analyte											10	mt24F06
13 mt24g0665	GHV341AA	D4F040396-3	Analyte											10	mt24F06
14 mt24g0666	GHV341AA	D4F040396-4	Analyte											10	mt24F06
15 mt24g0667	GHV341AA	D4F050141-1	Analyte											10	mt24F06
16 mt24g0668	GHV341AA	D4F050141-2	Analyte											10	mt24F06
17 mt24g0669	GHV341AA	D4F050141-3	QC											10	mt24F06
18 mt24g0670	856.90.11	200 ppb	QC	204.00	8.37	18626554		bb	211.0938	103.5	1.000	1.000	1.0	10	mt24F06
19 mt24g0671	GHV341AA	D4F050141-4	Analyte											10	mt24F06
20 mt24g0672	GHV341AA	D4F050141-4 MS	QC	100.00	8.41	6036339		bb	0.0000	67.3	0.005	1.065	1.0	10	mt24F06
21 mt24g0673	GHV341AA	D4F050141-4 MSD	QC	100.00	8.41	5989569		bb	0.3138	66.7	0.005	1.063	1.0	10	mt24F06
22 mt24g0674	856.90.10	100 ppb	QC	102.00	8.37	9740534		bb	109.4840	107.3	1.000	1.000	1.0	10	mt24F06

Analyst: Steve Cowling

Quantify Compound Summary Report
RDX Degradates Analysis

Sample List: C:\Masslynx\bin\mtmx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\bin\mtmx.PRO\Method\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:45 2004

Compound 2: RDX Sample List: mt24g06(2) Method File: mt24g06
Coefficient of Determination: 0.99904
Calibration curve: $-16.1748 * x^2 + 56452.1 * x + 11559.7$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std µg/L	RT	Area	Ion Ratio	Flags	Result µg/L or kg	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank							1.000	1.000	1.000	1.0	10	mt24g06
2 mt24g0644	856.90.7	10 ppb	Standard	6.70	9.01	384854		bb	6.6252	98.9	1.000	1.000	1.0	10	mt24g06
3 mt24g0645	856.90.8	25 ppb	Standard	16.80	9.01	972374		bb	17.1038	101.8	1.000	1.000	1.0	10	mt24g06
4 mt24g0646	856.90.9	50 ppb	Standard	33.50	9.01	1885670		bb	33.5202	100.1	1.000	1.000	1.0	10	mt24g06
5 mt24g0647	856.90.10	100 ppb	Standard	67.00	9.01	3670144		bb	66.0590	98.6	1.000	1.000	1.0	10	mt24g06
6 mt24g0648	856.90.11	200 ppb	Standard	134.00	9.01	7350821		bb	135.2460	100.9	1.000	1.000	1.0	10	mt24g06
7 mt24g0649	856.90.12	300 ppb	Standard	201.00	9.01	10677243		bb	200.4453	99.7	1.000	1.000	1.0	10	mt24g06
8 mt24g0650	856.90.6	Blank	Blank							1.000	1.000	1.000	1.0	10	mt24g06
9 mt24g0651	856.90.10	100 ppb	QC	67.00	9.01	3918170		bb	70.6316	105.4	1.000	1.000	1.0	10	mt24g06
10 mt24g0652	GHV341AA	R4F090000-109 MB	Blank							0.005	1.000	1.000	1.0	10	mt24g06
11 mt24g0653	GHV341AC	R4F090000-109 LCS	QC	100.00	9.01	2833621		bb	0.2536	50.7	0.005	1.000	1.0	10	mt24g06
12 mt24g0654	GHVJ01AA	D4F040396-1	Analyte							0.005	0.971	1.063	1.0	10	mt24g06
13 mt24g0655	GHVJ1AA	D4F040396-3	Analyte							0.005	0.971	1.063	1.0	10	mt24g06
14 mt24g0656	GHVJ1AA	D4F040396-4	Analyte							0.005	1.054	1.066	1.0	10	mt24g06
15 mt24g0657	GHVJ1AA	D4F050141-1	Analyte							0.005	1.066	1.066	1.0	10	mt24g06
16 mt24g0658	GHVJ1AA	D4F050141-2	Analyte							0.005	1.063	1.063	1.0	10	mt24g06
17 mt24g0659	GHVJ1AA	D4F050141-3	Analyte							0.005	1.052	1.052	1.0	10	mt24g06
18 mt24g0670	856.90.11	200 ppb	QC	134.00	9.01	7951171		bb	146.8196	109.6	1.000	1.000	1.0	10	mt24g06
19 mt24g0671	GHVH1AA	D4F050141-4	Analyte							0.005	1.062	1.062	1.0	10	mt24g06
20 mt24g0672	GHVH1AA	D4F050141-4 MS	QC	100.00	9.01	3208479		bb	0.2703	57.6	0.005	1.065	1.0	10	mt24g06
21 mt24g0673	GHVH1AE	D4F050141-4 MSD	QC	100.00	9.01	3133040		bb	0.2643	56.2	0.005	1.063	1.0	10	mt24g06
22 mt24g0674	856.90.10	100 ppb	QC	67.00	9.01	3730065		bb	67.1626	100.2	1.000	1.000	1.0	10	mt24g06

Analyst: Steve Cowling

Quantify Compound Summary Report

RDX Degradates Analysis

Sample List: C:\Masslynx\mmtmx\PRO\SampleDB\mt24g06(2)
 Last modified: Wed Jul 07 12:03:27 2004
 Method: C:\Masslynx\mmtmx\PRO\MethodDB\mt24F06
 Last modified: Tue Jul 06 16:18:34 2004
 Job Code:

Printed: Wed Jul 07 12:04:45 2004

Compound 3: MXH Sample List: mt24g06(2) Method File: mt24F06
 Coefficient of Determination: 0.999910
 Calibration curve: $-4.43151 \times 10^{-2} + 62711.1 \times x + 62402.1$
 Response type: External Std, Area
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std µg/L	RT	Area	Ion Ratio	Flags	Result µg/L (or kg)	%Rec	Vf (L)	Vs (L or kg)	Df	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank												mt24F06
2 mt24g0644	856.90.7	10 ppb	Standard	12.40	10.10	813177		bb	11.9821	96.6	1.000	1.000	1.0	10	mt24F06
3 mt24g0645	856.90.8	25 ppb	Standard	31.00	10.09	2075054		bb	32.1672	103.8	1.000	1.000	1.0	10	mt24F06
4 mt24g0646	856.90.9	50 ppb	Standard	62.00	10.09	3978124		bb	62.7186	101.2	1.000	1.000	1.0	10	mt24F06
5 mt24g0647	856.90.10	100 ppb	Standard	124.00	10.09	7623150		bb	121.5968	98.1	1.000	1.000	1.0	10	mt24F06
6 mt24g0648	856.90.11	200 ppb	Standard	248.00	10.10	15402193		bb	248.9915	100.4	1.000	1.000	1.0	10	mt24F06
7 mt24g0649	856.90.12	300 ppb	Standard	372.00	10.09	22774404		bb	371.9448	100.0	1.000	1.000	1.0	10	mt24F06
8 mt24g0650	856.90.6	Blank	QC												mt24F06
9 mt24g0651	856.90.10	100 ppb	QC	124.00	10.09	8101805		bb	129.3803	104.3	1.000	1.000	1.0	10	mt24F06
10 mt24g0652	GHV341AA	R4F090000-109 MB	Blank												mt24F06
11 mt24g0653	GHV341AC	R4F090000-109 LCS	QC												mt24F06
12 mt24g0654	GHV341AC	R4F090000-109 LCS	QC	100.00	10.13	6885448		bb	0.5483	109.7	0.005	1.000	1.0	10	mt24F06
13 mt24g0655	GHV341AA	D4F040396-1	Analyte												mt24F06
14 mt24g0656	GHV341AA	D4F040396-3	Analyte												mt24F06
15 mt24g0657	GHV341AA	D4F040396-4	Analyte												mt24F06
16 mt24g0658	GHV341AA	D4F050141-1	Analyte												mt24F06
17 mt24g0659	GHV341AA	D4F050141-2	Analyte												mt24F06
18 mt24g0670	856.90.11	200 ppb	QC	248.00	10.09	16495608		bb	267.0872	107.7	1.000	1.000	1.0	10	mt24F06
19 mt24g0671	GHV341AA	D4F050141-4	Analyte												mt24F06
20 mt24g0672	GHV341AA	D4F050141-4 MS	QC	100.00	10.13	7270513		bb	0.5441	115.9	0.005	1.000	1.0	10	mt24F06
21 mt24g0673	GHV341AA	D4F050141-4 MSD	QC	100.00	10.13	7100056		bb	0.5321	113.1	0.005	1.000	1.0	10	mt24F06
22 mt24g0674	856.90.10	100 ppb	QC	124.00	10.10	7871685		bb	125.6435	101.3	1.000	1.000	1.0	10	mt24F06

Analyst: Steve Cowling

Quantify Compound Summary Report RDX Degradates Analysis

Sample List: C:\Masslynx\Method\PRO\SAMPLES\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\Method\PRO\METHODS\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:45 2004

Compound 4: RDX13C3 Sample List: mt24g06(2) Method File: mt24g06
Coefficient of Determination: 0.999952
Calibration curve: $-25.3451 \cdot x^2 + 82600.6 \cdot x + 5898.65$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

#	Name	ID	Sample Text	Type	Std $\mu\text{g/L}$	RT	Area	Ion Ratio	Flags	Result $\mu\text{g/L or kg}$	%Rec V(L)	Vs(L or kg)	DF	Inj	Cal File
1	mt24g0643	856.90.6	Blank	Blank		11.17	7705641		bb	96.0472	96.0	1.000	1.0	10	mt24g06
2	mt24g0644	856.90.7	10 ppb	Standard	10.00	11.18	820704		bb	9.8944	98.9	1.000	1.0	10	mt24g06
3	mt24g0645	856.90.8	25 ppb	Standard	25.00	11.17	2098947		bb	25.5395	102.2	1.000	1.0	10	mt24g06
4	mt24g0646	856.90.9	50 ppb	Standard	50.00	11.21	4037721		bb	49.5649	99.1	1.000	1.0	10	mt24g06
5	mt24g0647	856.90.10	100 ppb	Standard	100.00	11.21	7959627		bb	99.3161	99.3	1.000	1.0	10	mt24g06
6	mt24g0648	856.90.11	200 ppb	Standard	200.00	11.18	15609560		bb	201.3440	100.7	1.000	1.0	10	mt24g06
7	mt24g0649	856.90.12	300 ppb	Standard	300.00	11.17	22460186		bb	299.3349	99.8	1.000	1.0	10	mt24g06
8	mt24g0650	856.90.6	Blank	Blank		11.17	7960326		bb	99.3271	99.3	1.000	1.0	10	mt24g06
9	mt24g0651	856.90.10	100 ppb	QC	100.00	11.17	8430223		bb	105.3972	105.4	1.000	1.0	10	mt24g06
10	mt24g0652	GHV341AA	R4F090000-109 MB	Blank		11.22	7939888		bb	0.4953	99.1	0.005	1.000	1.0	mt24g06
11	mt24g0653	GHV341AC	R4F090000-109 LCS	QC	100.00	11.21	7474882		bb	0.4654	93.1	0.005	1.000	1.0	mt24g06
12	mt24g0654	GHV341AA	D4F040396-1	Analyte		11.21	7370089		bb	0.4315	91.7	0.005	1.063	1.0	mt24g06
13	mt24g0655	GHV341AA	D4F040396-3	Analyte		11.21	7653349		bb	0.4911	95.4	0.005	0.971	1.0	mt24g06
14	mt24g0656	GHV341AA	D4F040396-4	Analyte		11.21	7653258		bb	0.4524	95.4	0.005	1.054	1.0	mt24g06
15	mt24g0657	GHV341AA	D4F050141-1	Analyte		11.21	7830211		bb	0.4580	97.7	0.005	1.066	1.0	mt24g06
16	mt24g0658	GHV341AA	D4F050141-2	Analyte		11.21	7217738		bb	0.4223	89.8	0.005	1.063	1.0	mt24g06
17	mt24g0659	GHV341AA	D4F050141-3	Analyte		11.21	7626695		bb	0.4474	95.0	0.005	1.062	1.0	mt24g06
18	mt24g0670	856.90.11	200 ppb	QC	200.00	11.17	16725429		bb	216.8419	108.4	1.000	1.000	1.0	mt24g06
19	mt24g0671	GHV341AA	D4F050141-4	Analyte		11.21	8016784		bb	0.4711	100.1	0.005	1.062	1.0	mt24g06
20	mt24g0672	GHV341AD	D4F050141-4 MS	QC	100.00	11.21	8051192		bb	0.4718	100.5	0.005	1.065	1.0	mt24g06
21	mt24g0673	GHV341AE	D4F050141-4 MSD	QC	100.00	11.21	7713309		bb	0.4522	96.1	0.005	1.063	1.0	mt24g06
22	mt24g0674	856.90.10	100 ppb	QC	100.00	11.18	8325994		bb	104.0487	104.0	1.000	1.0	10	mt24g06

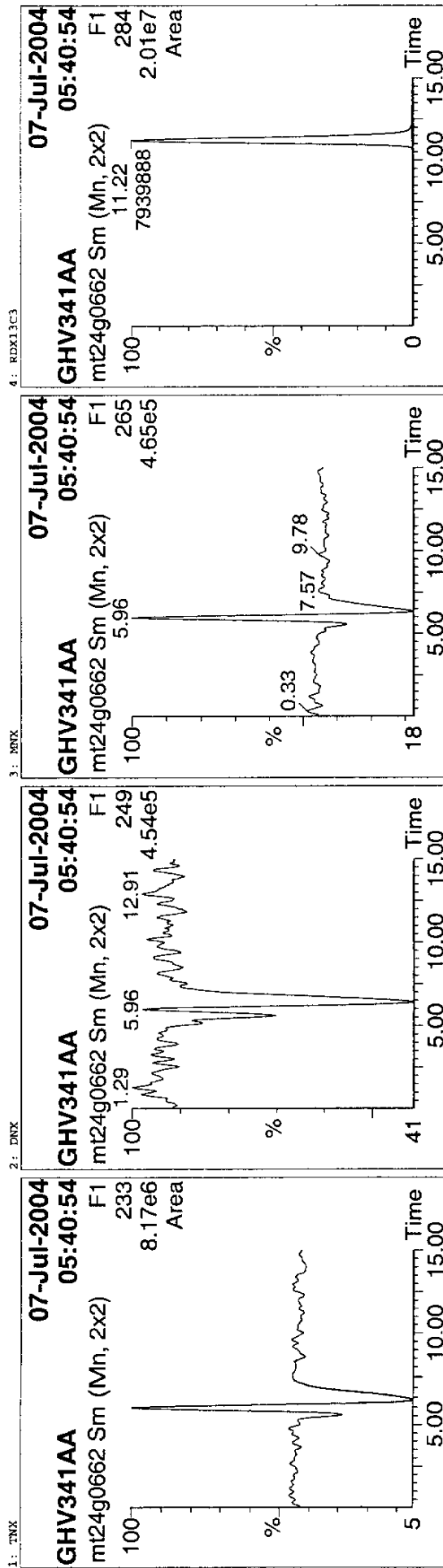
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msdata\FRO\SAMPLES\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msdata\FRO\METHODS\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0662
Text: R4F090000-109 MB



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(l or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	8.33	8218	8218.149	bb		0.0000				
2 DNX										
3 MNX	11.22	7939888	7939887.500	bb		0.4953		99.06		
4 RDX13C3										

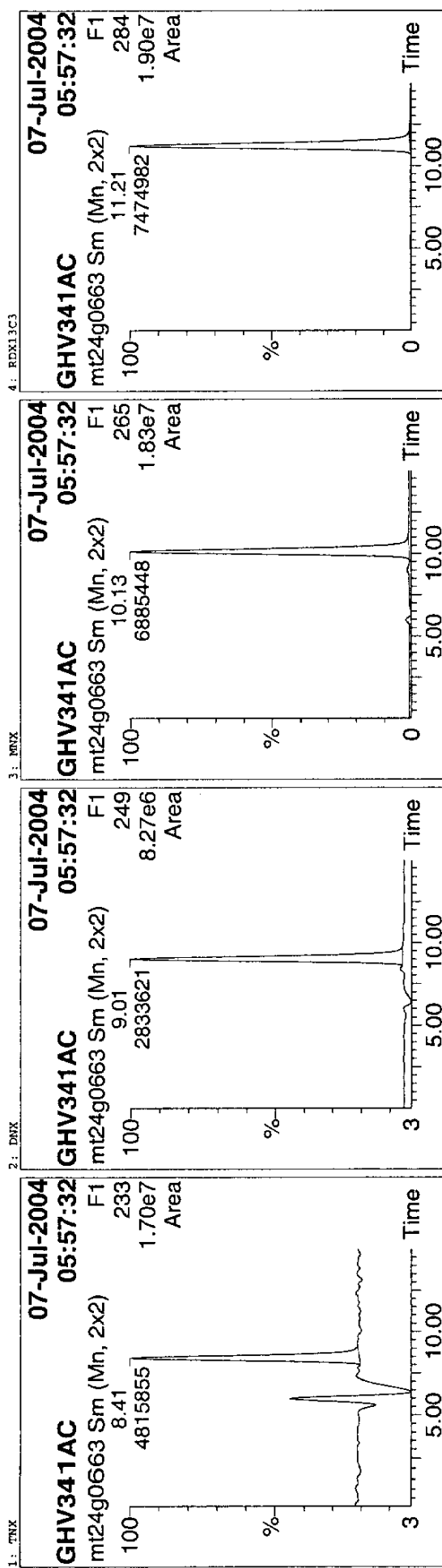
Analyst: Steve Cowling

Quantify Sample Report
RXN Degradates Analysis

Sample List: C:\Masslynx\mxntmx.pro\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mxntmx.pro\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0663
Text: R4F090000-109 LCS



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod. Date	Mod. Comment
1	TNX	8.41	4815855	4815854.500	bb		0.2668		53.36		
2	DNK	9.01	2833621	2833621.250	bb		0.2536		50.73		
3	MNX	10.13	6885448	6885448.000	bb		0.5483		109.65		
4	RDX13C3	11.21	7474982	7474981.500	bb		0.4654		93.08		

Analyst: Steve Cowling

Sample List: C:\Masslynx\multitrx.PRO\SampleDB\mt.24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\multitrx.PRO\MethDB\mt.24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

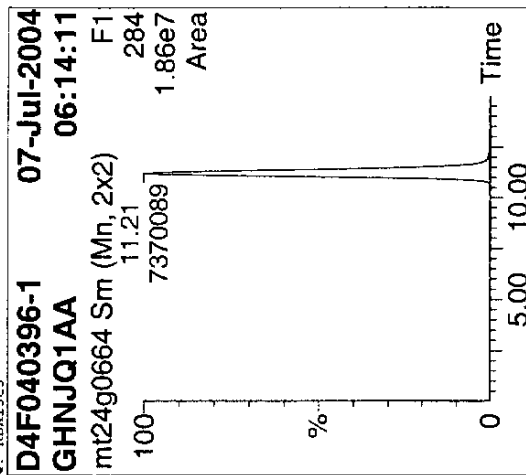
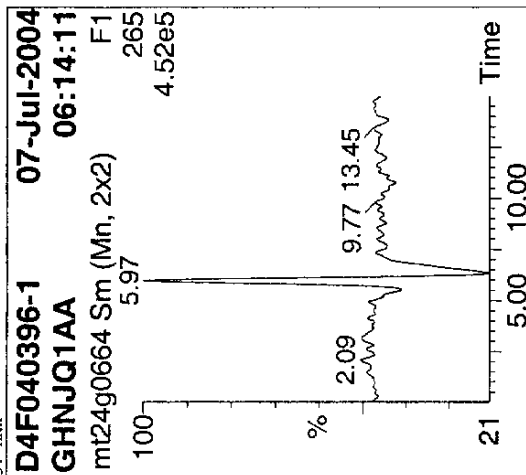
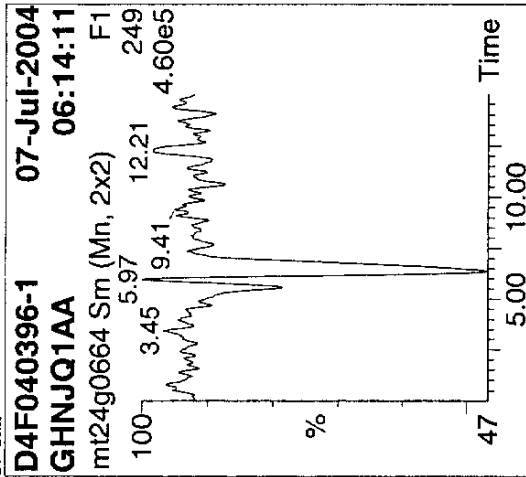
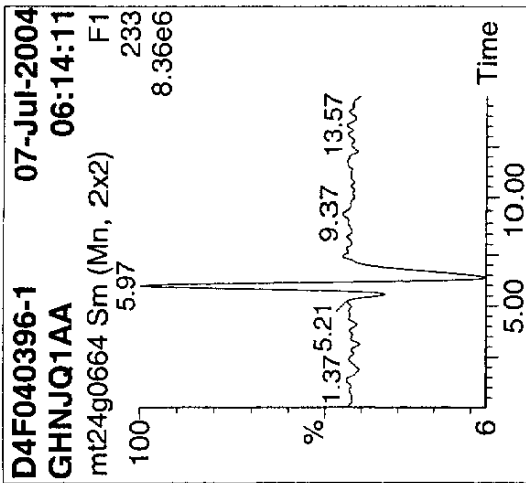
Name: mt24g0664
Text: D4F040396-1

1: TNX

2: DNX

3. MIX

4. BDX13C3



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	$\mu\text{g}/(\text{L or kg})$	%Rec	Mod.Date	Mod.Comment
1	TNX										
2	DNX										
3	MTX										
4	REDX13C3	11.21	7370089	7370089	000	bb		0.4315	91.74		

Analyst: Steve Cowling

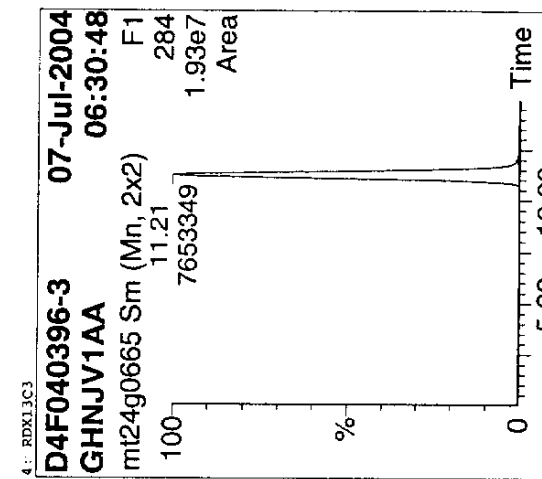
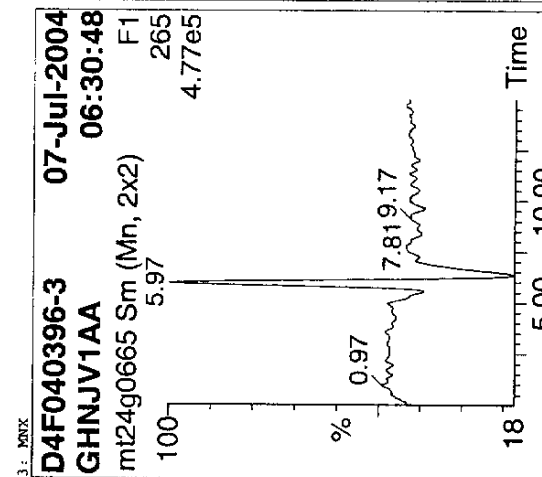
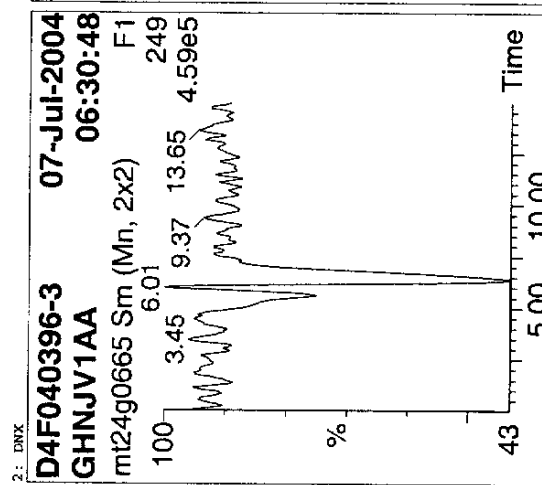
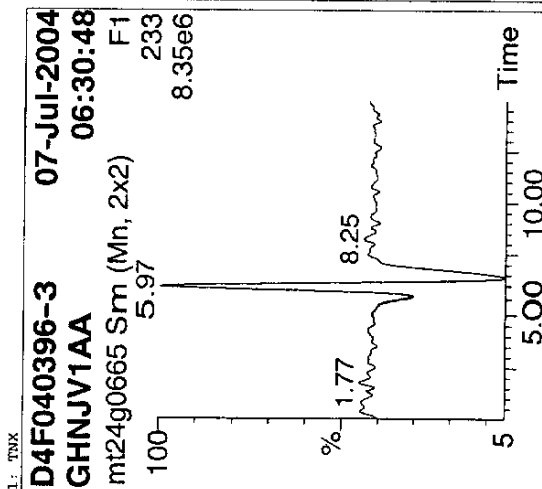
Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\muntmx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\muntmx.PRO\Method\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0665
Text: D4F040396-3

1: TNX



# Name	RT	Area	Response	Flags	Ion Ratio	Result	μg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	11.21	7653349	7653349.000	bb		0.4911		95.37		
2 DNK										
3 MNX										
4 RDX13C3										

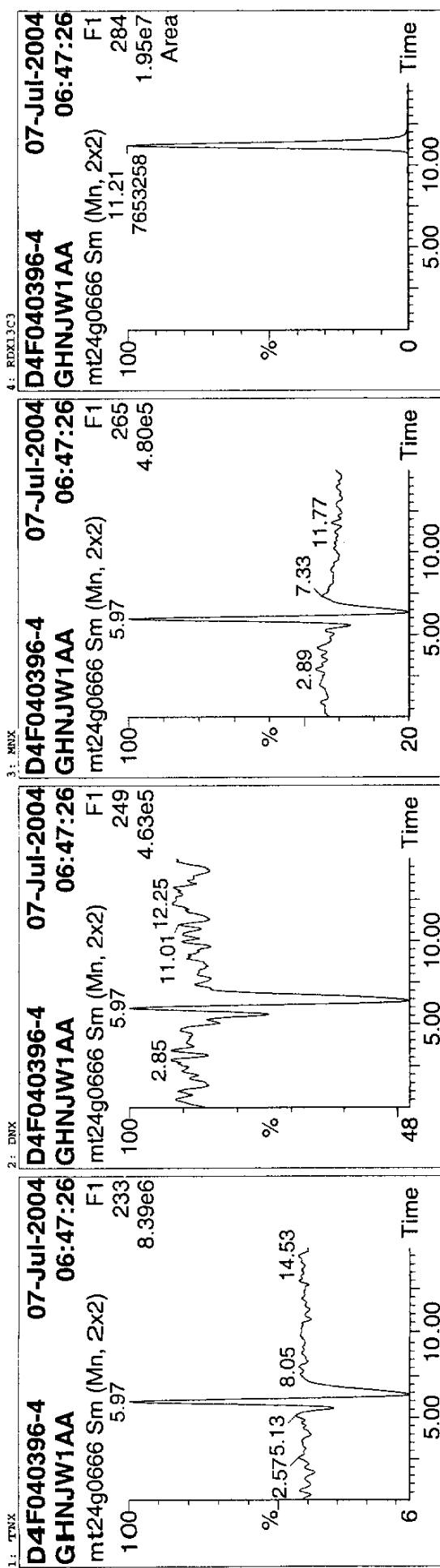
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\unmix\PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\unmix\PRO\MethodDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0666
Text: D4F040396-4



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	11.21	7653258	7653258.000	bb		0.4524	95.37			
2 DNX										
3 MNX										
4 RDX13C3										

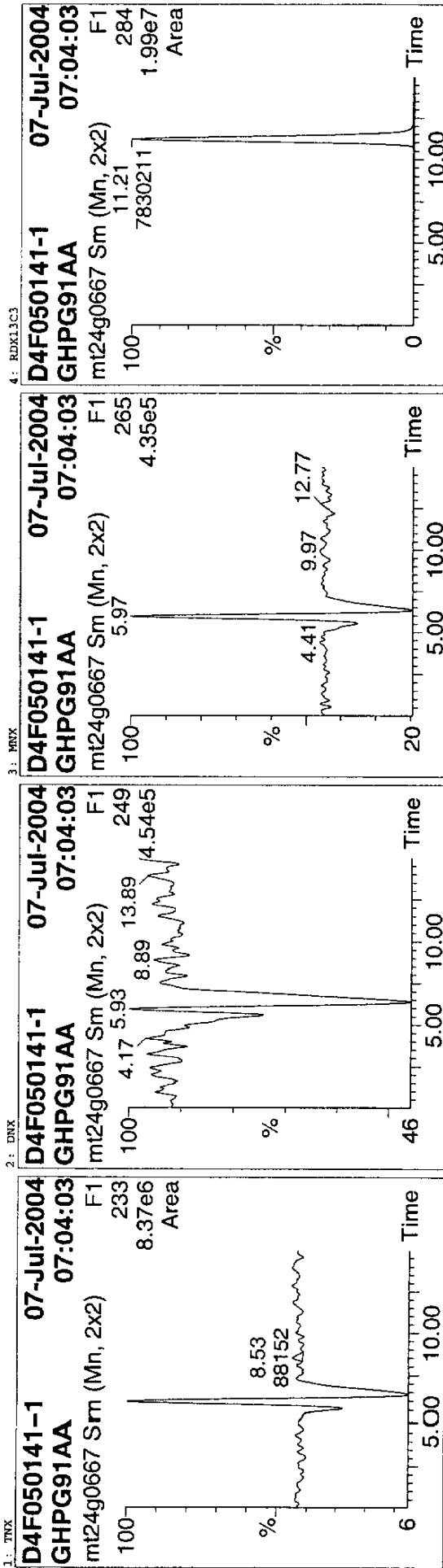
Analyst: Steve Cowling

Quantify Sample Report
RX Degradates Analysis

Sample List: C:\Masslynx\msnsmx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msnsmx.PRO\Method\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0667
Text: D4F050141-1



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	8.53	88152	88152.352	bb		0.0000				
2 DNK										
3 MNX										
4 RDX13C3	11.21	7830211	7830210.500	bb		0.4580		97.65		

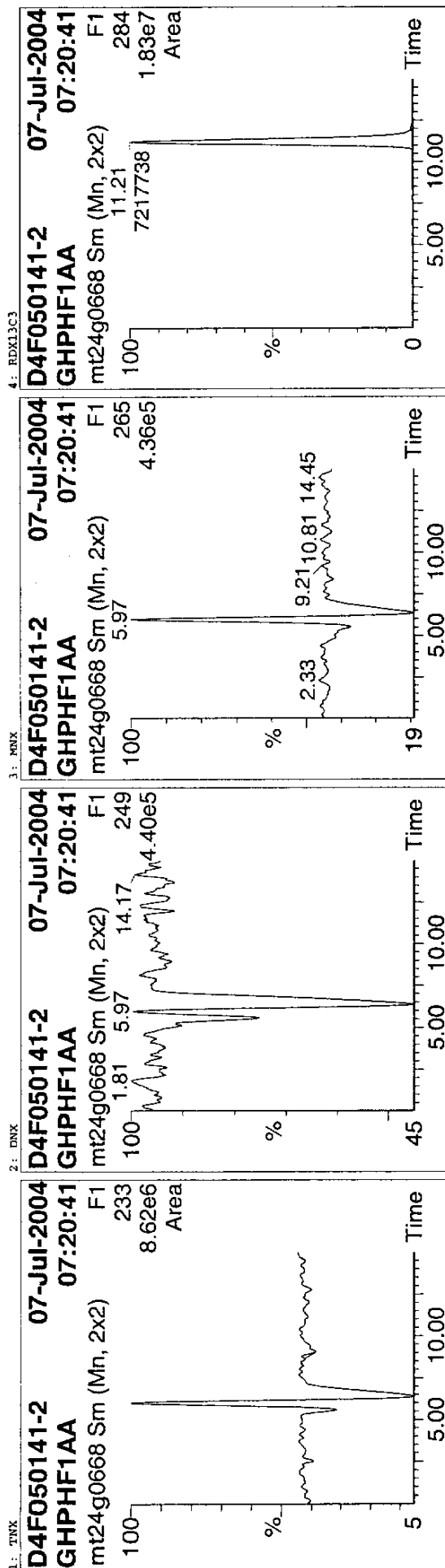
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msdchm.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msdchm.PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0668
Text: D4F050141-2



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	Mod.	Comment
1 TNX	8.77	42543	42642.738	bb		0.0000			
2 DNX									
3 MNX									
4 RDX13C3	11.21	7217738	7217737.500	bb		0.4223		89.78	

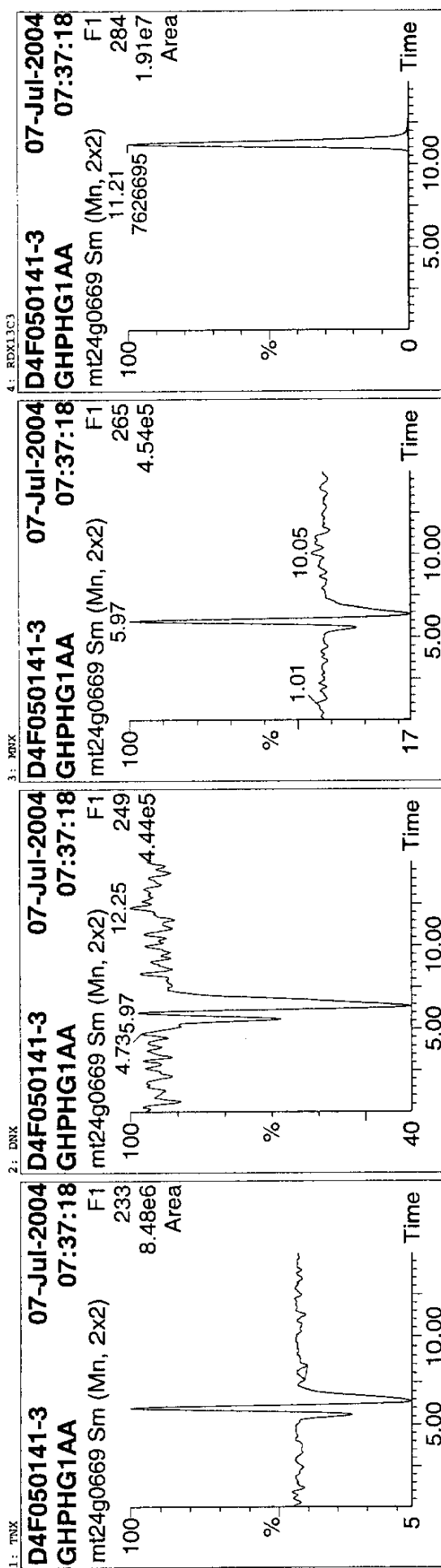
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\lms\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\lms\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0669
Text: D4F050141-3



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	Area	Mod. Date	Mod. Comment
1 TNX	8.01	122835	122834.844	bb		0.0000				
2 DNX										
3 MNX										
4 RDX13C3	11.21	7626695	7626694.500	bb		0.4474		95.03		

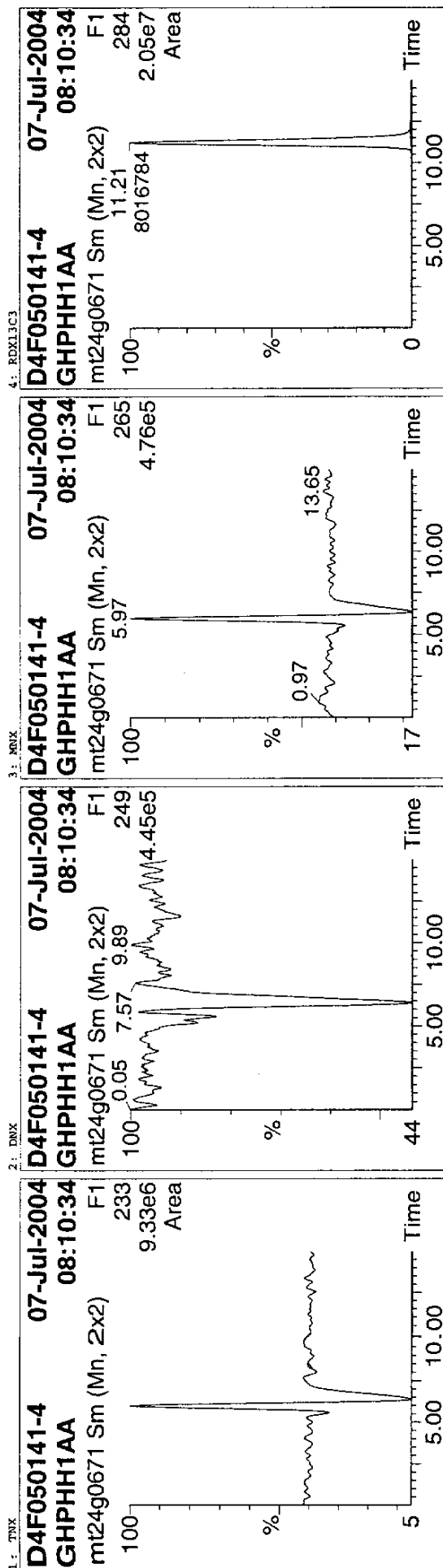
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\method\PRO\SAMPLES\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\method\PRO\METHODS\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
JOB Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0671
Text: D4F050141-4



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod. Date	Mod. Comment
1 TNX	8.49	22839	22839.232	bb		0.0000				
2 DNX										
3 MNX	11.21	8016784	8016783.500	bb		0.4711		100.06		
4 RDX13C3										

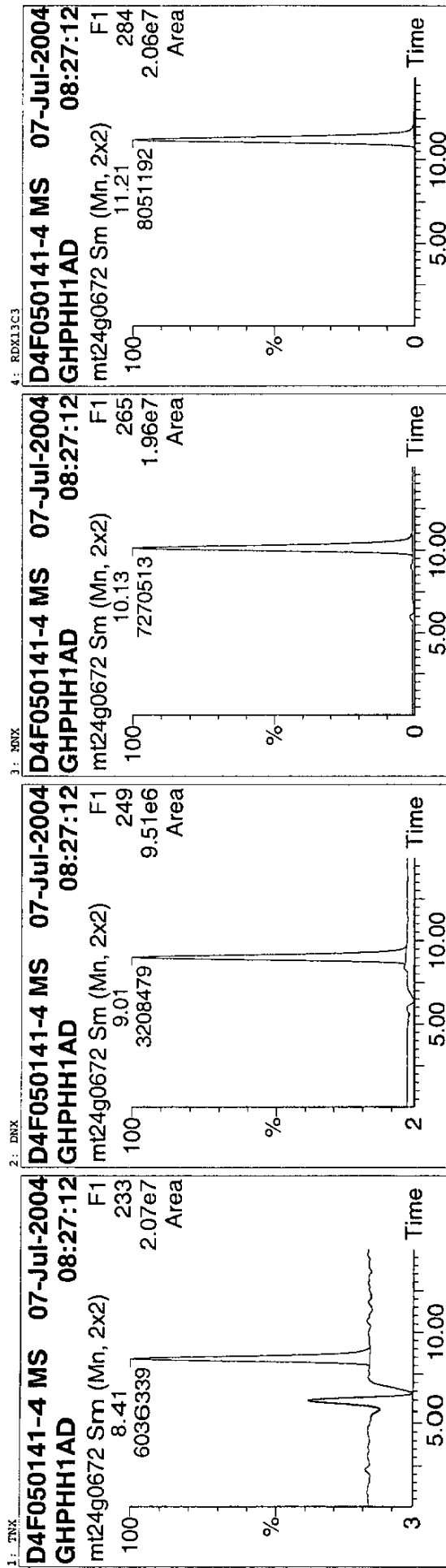
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmstnx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mmstnx.PRO\MethodDB\mt24p06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0672
Text: D4F050141-4 MS



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod. Date	Mod. Comment
1 TNX	8.41	6036339	6036338.500	bb		0.3158		67.26		
2 DNX	9.01	3208479	3208478.500	bb		0.2703		57.58		
3 MNX	10.13	7270513	7270512.500	bb		0.5441		115.89		
4 RDX13C3	11.21	8051192	8051191.500	bb		0.4718		100.50		

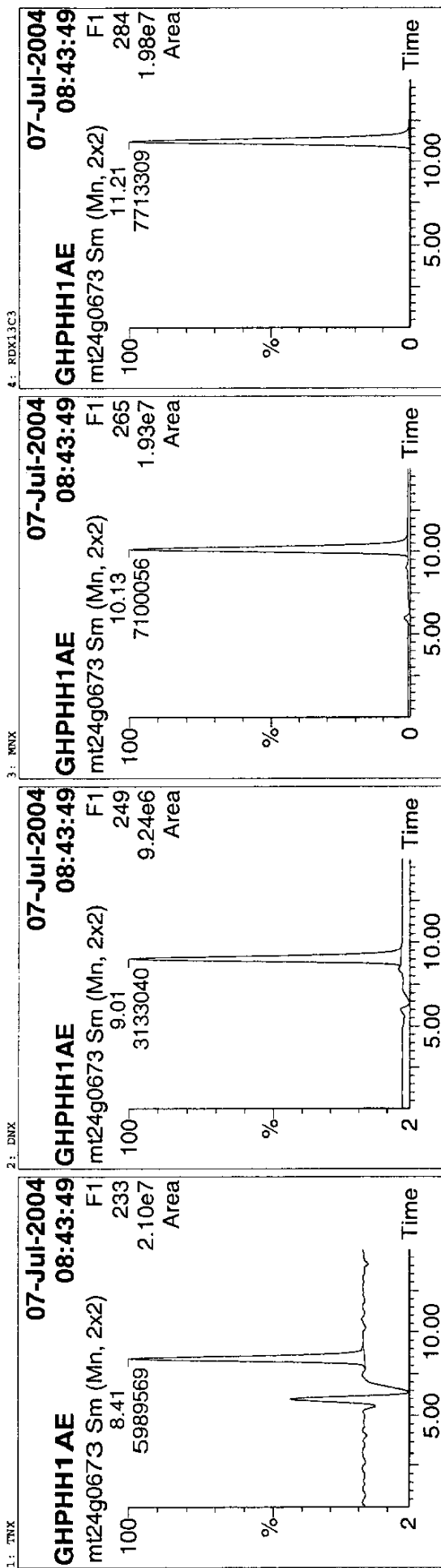
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mxm\tx\PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mxm\tx\PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0673
Text: D4F050141-4 MSD



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STL Denver

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ANALYTICAL REPORT

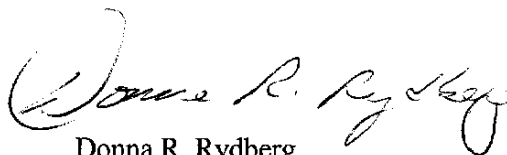
White Rock Canyon Springs HE Profile

Lot #: D4F050141

June Dreith

Techlaw
560 Golden Ridge Road
Suite 130
Golden, CO 80401

STL DENVER



Donna R. Rydberg
Project Manager

July 12, 2004

Case Narrative

Enclosed is the report for four samples and a Matrix Spike and Matrix Spike Duplicate received at STL's Denver laboratory on June 5, 2004. The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4F050141

Sample Receiving

- The samples presented in this report were received at the laboratory at temperatures of 5.8°C, 4.3°C and 2.8°C. All sample containers were received in acceptable condition.

Holding Times

- Holding times were met.

Method 8321A – Explosives and NitrosoDegradates

- The surrogate recovery for Nitrobenzene in sample D4F050141-001 was outside established control limits. Matrix interference is obvious. The sample had a large amount of sediment in it, which clogged the SPE cartridge. Three cartridges were required for the extraction. The eluant was combined and then concentrated down to the 2.5mL final volume required per the Method.
- The relative percent difference between the MS and MSD for nitroglycerin exceeded control limits. The individual spike recoveries were within control limits. Data was accepted.
- The Nitroso Degradates analyses for the samples in this report were conducted with standard materials that expired. The client was notified before proceeding with the tests. These materials are not available from our standard vendors. The material requires synthesis and there was not time available to obtain new standards before holding times expired. The client directed the laboratory to run the samples with the expired standards.

EXECUTIVE SUMMARY - Detection Highlights

D4F050141

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D4F050141

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
LCMS by 8321A	SW846 8321A	SW846 3535
Nitroso Degradates of RDX	SW846 8321A	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D4F050141

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8321A	Mark Dymerski	004626
SW846 8321A	Steve Cowling	008738

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical
Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D4F050141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GHPG9	001	SPRING 3-6-4-04-NF	06/04/04	09:27
GHPHF	002	SPRING 3A-6-4-04-NF	06/04/04	09:30
GHPHG	003	SPRING 4-6-4-04-NF	06/04/04	11:15
GHPHH	004	SPRING 4C-6-4-04-NF	06/04/04	11:15

NOTE(S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Techlaw Inc

Client Sample ID: SPRING 3-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-001 Work Order #....: GHPG91AA Matrix.....: WATER
 Date Sampled....: 06/04/04 09:27 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 07:04
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	98	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 3-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-001 **Work Order #....:** GHPG91AC **Matrix.....:** WATER
Date Sampled....: 06/04/04 09:27 **Date Received...:** 06/05/04
Prep Date.....: 06/07/04 **Analysis Date...:** 06/09/04
Prep Batch #....: 4159119 **Analysis Time...:** 20:58
Dilution Factor: 1
Method.....: SW846 8321A

		REPORTING		
PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	1.1 *	(44 - 124)		

NOTE(S) :

* Surrogate recovery is outside stated control limits.

Techlaw Inc

Client Sample ID: SPRING 3A-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-002 Work Order #....: GHPHF1AA Matrix.....: WATER
 Date Sampled....: 06/04/04 09:30 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 07:20
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
RDX-C13	90	(30 - 150)		

Techlaw Inc

Client Sample ID: SPRING 3A-6-4-04-NF

HPLC

Lot-Sample #...: D4F050141-002 **Work Order #...**: GHPHF1AC **Matrix.....**: WATER
Date Sampled...: 06/04/04 09:30 **Date Received...**: 06/05/04
Prep Date.....: 06/07/04 **Analysis Date...**: 06/09/04
Prep Batch #...: 4159119 **Analysis Time...**: 21:30
Dilution Factor: 1
Method.....: SW846 8321A

PARAMETER	RESULT	LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	97	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 4-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-003 Work Order #....: GHPHG1AA Matrix.....: WATER
Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
Prep Batch #....: 4161109 Analysis Time...: 07:37
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
RDX-C13	95	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 4-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-003 Work Order #....: GHPHG1AC Matrix.....: WATER
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #....: 4159119 Analysis Time...: 22:02
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	89	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 4C-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-004 Work Order #....: GHPPH1AA Matrix.....: WATER
 Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 08:10
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034
		PERCENT	RECOVERY	
SURROGATE	RECOVERY	LIMITS		
RDX-C13	100	(30 - 150)		

Techlaw Inc

Client Sample ID: SPRING 4C-6-4-04-NF

HPLC

Lot-Sample #....: D4F050141-004 Work Order #....: GHPHH1AC Matrix.....: WATER
Date Sampled....: 06/04/04 11:15 Date Received...: 06/05/04
Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
Prep Batch #....: 4159119 Analysis Time...: 23:05
Dilution Factor: 1
Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	90	(44 - 124)		

QC DATA ASSOCIATION SUMMARY

D4F050141

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
002	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
003	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047
004	WATER	SW846 8321A		4159119	4159076
	WATER	SW846 8321A		4161109	4161047

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F050141
MB Lot-Sample #: R4F070000-119

Work Order #...: GHP3N1AA

Matrix.....: WATER

Analysis Date...: 06/09/04
Dilution Factor: 1

Prep Date.....: 06/07/04

Analysis Time...: 17:48

Prep Batch #...: 4159119

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
1,3-Dinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
2,6-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
HMX	ND	0.12	ug/L	SW846 8321A
Nitrobenzene	ND	0.12	ug/L	SW846 8321A
Nitroglycerin	ND	0.12	ug/L	SW846 8321A
2-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
3-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
PETN	ND	0.12	ug/L	SW846 8321A
RDX	ND	0.12	ug/L	SW846 8321A
Tetryl	ND	0.12	ug/L	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.12	ug/L	SW846 8321A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	86	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F050141
MB Lot-Sample #: R4F090000-109

Work Order #...: GHV341AA

Matrix.....: WATER

Prep Date.....: 06/09/04

Analysis Time...: 05:40

Analysis Date...: 07/07/04

Prep Batch #...: 4161109

Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
MNX	ND	0.10	ug/L	SW846 8321A
DNX	ND	0.10	ug/L	SW846 8321A
TNX	ND	0.10	ug/L	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	99	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
2-Amino-4,6-dinitrotoluene	98	(69 - 131)	SW846 8321A
4-Amino-2,6-dinitrotoluene	86	(69 - 128)	SW846 8321A
1,3-Dinitrobenzene	95	(70 - 127)	SW846 8321A
2,4-Dinitrotoluene	95	(65 - 129)	SW846 8321A
2,6-Dinitrotoluene	92	(66 - 128)	SW846 8321A
HMX	110	(53 - 169)	SW846 8321A
Nitrobenzene	90	(27 - 120)	SW846 8321A
Nitroglycerin	90	(43 - 154)	SW846 8321A
2-Nitrotoluene	87	(17 - 105)	SW846 8321A
3-Nitrotoluene	91	(23 - 105)	SW846 8321A
4-Nitrotoluene	95	(26 - 114)	SW846 8321A
PETN	98	(34 - 173)	SW846 8321A
RDX	99	(62 - 127)	SW846 8321A
Tetryl	95	(40 - 152)	SW846 8321A
1,3,5-Trinitrobenzene	87	(64 - 137)	SW846 8321A
2,4,6-Trinitrotoluene	90	(43 - 133)	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHP3N1AC Matrix.....: WATER
 LCS Lot-Sample#: R4F070000-119
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 18:20
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
2-Amino-4,6-dinitrotoluene	0.500	0.491	ug/L	98	SW846 8321A
4-Amino-2,6-dinitrotoluene	0.500	0.430	ug/L	86	SW846 8321A
1,3-Dinitrobenzene	0.500	0.474	ug/L	95	SW846 8321A
2,4-Dinitrotoluene	0.500	0.473	ug/L	95	SW846 8321A
2,6-Dinitrotoluene	0.500	0.458	ug/L	92	SW846 8321A
HMX	0.500	0.549	ug/L	110	SW846 8321A
Nitrobenzene	0.500	0.448	ug/L	90	SW846 8321A
Nitroglycerin	0.500	0.451	ug/L	90	SW846 8321A
2-Nitrotoluene	0.500	0.433	ug/L	87	SW846 8321A
3-Nitrotoluene	0.500	0.455	ug/L	91	SW846 8321A
4-Nitrotoluene	0.500	0.474	ug/L	95	SW846 8321A
PETN	0.500	0.489	ug/L	98	SW846 8321A
RDX	0.500	0.494	ug/L	99	SW846 8321A
Tetryl	0.500	0.477	ug/L	95	SW846 8321A
1,3,5-Trinitrobenzene	0.500	0.434	ug/L	87	SW846 8321A
2,4,6-Trinitrotoluene	0.500	0.450	ug/L	90	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(39 - 114)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F050141 Work Order #....: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

<u>PARAMETER</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>	<u>METHOD</u>
MNX	110	(35 - 135)	SW846 8321A
DNX	51	(35 - 135)	SW846 8321A
TNX	53	(35 - 135)	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
RDX-C13	93	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F050141 Work Order #....: GHV341AC Matrix.....: WATER
 LCS Lot-Sample#: R4F090000-109
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4161109 Analysis Time...: 05:57
 Dilution Factor: 1

<u>PARAMETER</u>	<u>SPIKE</u> <u>AMOUNT</u>	<u>MEASURED</u> <u>AMOUNT</u>	<u>UNITS</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>METHOD</u>
MX	0.500	0.548	ug/L	110	SW846 8321A
DNX	0.500	0.254	ug/L	51	SW846 8321A
TNX	0.500	0.267	ug/L	53	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	93	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #....: D4F050141 Work Order #....: GHPHH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6- dinitrotoluene	100	(68 - 126)			SW846 8321A
	96	(68 - 126)	1.5	(0-40)	SW846 8321A
4-Amino-2,6- dinitrotoluene	93	(63 - 125)			SW846 8321A
	91	(63 - 125)	4.7	(0-40)	SW846 8321A
1,3-Dinitrobenzene	97	(68 - 125)			SW846 8321A
	102	(68 - 125)	11	(0-40)	SW846 8321A
2,4-Dinitrotoluene	95	(64 - 124)			SW846 8321A
	95	(64 - 124)	6.7	(0-40)	SW846 8321A
2,6-Dinitrotoluene	96	(67 - 124)			SW846 8321A
	90	(67 - 124)	0.11	(0-40)	SW846 8321A
HMX	111	(52 - 158)			SW846 8321A
	98	(52 - 158)	5.4	(0-40)	SW846 8321A
Nitrobenzene	91	(40 - 110)			SW846 8321A
	92	(40 - 110)	7.9	(0-40)	SW846 8321A
Nitroglycerin	56	(56 - 148)			SW846 8321A
	86 p	(56 - 148)	48	(0-40)	SW846 8321A
2-Nitrotoluene	86	(25 - 99)			SW846 8321A
	82	(25 - 99)	2.6	(0-40)	SW846 8321A
3-Nitrotoluene	86	(27 - 104)			SW846 8321A
	84	(27 - 104)	3.4	(0-40)	SW846 8321A
4-Nitrotoluene	89	(33 - 108)			SW846 8321A
	88	(33 - 108)	5.0	(0-40)	SW846 8321A
PETN	98	(35 - 177)			SW846 8321A
	97	(35 - 177)	5.6	(0-40)	SW846 8321A
RDX	100	(61 - 123)			SW846 8321A
	99	(61 - 123)	5.0	(0-40)	SW846 8321A
Tetryl	68	(53 - 148)			SW846 8321A
	76	(53 - 148)	18	(0-40)	SW846 8321A
1,3,5-Trinitrobenzene	87	(70 - 126)			SW846 8321A
	87	(70 - 126)	7.4	(0-40)	SW846 8321A
2,4,6-Trinitrotoluene	91	(59 - 129)			SW846 8321A
	89	(59 - 129)	5.1	(0-40)	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHPHH1AF-MS Matrix.....: WATER
MS Lot-Sample #: D4F050141-004 GHPHH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHPPH1AF-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPPH1AG-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/07/04 Analysis Date...: 06/09/04
 Prep Batch #...: 4159119 Analysis Time...: 23:37
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	ND	0.472	0.473	ug/L	100		SW846 8321A
	ND	0.503	0.480	ug/L	96	1.5	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.472	0.436	ug/L	93		SW846 8321A
	ND	0.503	0.457	ug/L	91	4.7	SW846 8321A
1,3-Dinitrobenzene	ND	0.472	0.457	ug/L	97		SW846 8321A
	ND	0.503	0.511	ug/L	102	11	SW846 8321A
2,4-Dinitrotoluene	ND	0.472	0.448	ug/L	95		SW846 8321A
	ND	0.503	0.479	ug/L	95	6.7	SW846 8321A
2,6-Dinitrotoluene	ND	0.472	0.453	ug/L	96		SW846 8321A
	ND	0.503	0.453	ug/L	90	0.11	SW846 8321A
HMX	ND	0.472	0.523	ug/L	111		SW846 8321A
	ND	0.503	0.495	ug/L	98	5.4	SW846 8321A
Nitrobenzene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.464	ug/L	92	7.9	SW846 8321A
Nitroglycerin	ND	0.472	0.264	ug/L	56		SW846 8321A
	ND	0.503	0.431	ug/L	86 p	48	SW846 8321A
2-Nitrotoluene	ND	0.472	0.404	ug/L	86		SW846 8321A
	ND	0.503	0.415	ug/L	82	2.6	SW846 8321A
3-Nitrotoluene	ND	0.472	0.406	ug/L	86		SW846 8321A
	ND	0.503	0.420	ug/L	84	3.4	SW846 8321A
4-Nitrotoluene	ND	0.472	0.420	ug/L	89		SW846 8321A
	ND	0.503	0.442	ug/L	88	5.0	SW846 8321A
PETN	ND	0.472	0.462	ug/L	98		SW846 8321A
	ND	0.503	0.489	ug/L	97	5.6	SW846 8321A
RDX	ND	0.472	0.474	ug/L	100		SW846 8321A
	ND	0.503	0.498	ug/L	99	5.0	SW846 8321A
Tetryl	ND	0.472	0.320	ug/L	68		SW846 8321A
	ND	0.503	0.383	ug/L	76	18	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.472	0.408	ug/L	87		SW846 8321A
	ND	0.503	0.439	ug/L	87	7.4	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.472	0.428	ug/L	91		SW846 8321A
	ND	0.503	0.450	ug/L	89	5.1	SW846 8321A

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F050141

Work Order #...: GHPHH1AF-MS

Matrix.....: WATER

MS Lot-Sample #: D4F050141-004

GHPHH1AG-MSD

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
Nitrobenzene-d5	90	(44 - 124)
	91	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

p Relative percent difference (RPD) is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
MNX	116	(35 - 135)			SW846 8321A
	113	(35 - 135)	2.2	(0-30)	SW846 8321A
DNX	58	(35 - 135)			SW846 8321A
	56	(35 - 135)	2.2	(0-30)	SW846 8321A
TNX	67	(35 - 135)			SW846 8321A
	67	(35 - 135)	0.60	(0-30)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.
 Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F050141 Work Order #...: GHPHH1AD-MS Matrix.....: WATER
 MS Lot-Sample #: D4F050141-004 GHPHH1AE-MSD
 Date Sampled...: 06/04/04 11:15 Date Received...: 06/05/04
 Prep Date.....: 06/09/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4161109 Analysis Time...: 08:27
 Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
MNX	ND	0.470	0.544	ug/L	116		SW846 8321A
	ND	0.470	0.532	ug/L	113	2.2	SW846 8321A
DNX	ND	0.470	0.270	ug/L	58		SW846 8321A
	ND	0.470	0.264	ug/L	56	2.2	SW846 8321A
TNX	ND	0.470	0.316	ug/L	67		SW846 8321A
	ND	0.470	0.314	ug/L	67	0.60	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	100	(30 - 150)
	96	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

[illegible]

PROJECT INFORMATION		SAMPLE RECEIPT		SAMPLES SENT TO:		RELINQUISHED BY:		RELINQUISHED BY:	
PROJECT: HE 06110-220		Total Number of Containers				Signature:		Signature:	
PROJ NAME: White Rock Canyon		Chain of Custody Seals				Time:		Time:	
Sprints: HE Profile		Received Intact?				Printed Name:		Printed Name:	
QC LEVEL: STD IV		Received Good Cond./Cold				Date:		Date:	
QC REQUIRED: MS MSD BLANK		LAB NUMBER:				Company		Company	
TAT: STANDARD						RECEIVED BY:		RECEIVED BY:	
						Signature:		Signature:	
						Time:		Time:	
						Date:		Date:	
						Printed Name:		Printed Name:	
						Company		Company	

DUE DATE:		Donna, please bill to: June Dreith, 560 Golden Ridge Road, Suite 130, Golden, Colorado, 80401 Phone 303- 763-7188, Fax 303-763-4869. Thanks!	
RUSH SURCHARGE:			
CLIENT DISCOUNT:			
SPECIAL CERTIFICATION:			
REQUIRED: YES NO			

4.3 JB 6-5-04

Laboratory Used: Severn Trent Laboratories, Inc.

Chain of Custody

Date: 6-4-2004

Page: 1 of 1

STL Project Manager: Donna Rydberg

STL Denver
4955 Yarrow Street
Arvada, CO 80002
(303) 736-0100 Fax (303) 431-7171 Direct (303) 736-0192

Authorized by/ Attn: June Dreith
CLIENT: 560 Golden Ridge Road, Suite 130
CITY: Golden; STATE: Colorado; ZIP: 80401
(303) 763-7188 Fax (303) 763-4869

STL Address:
4955 Yarrow Street
Arvada, CO 80002
(303) 736-0100 Fax (303) 431-7171 Direct (303) 736-0192

HE (LC/MS/MS) Line Item 70a NF/NA
RDX Degradates Line Item 70e NF/NA

LAB ID

MATRIX

DATE

TIME

NUMBER OF CONTAINERS

Spring 3-6-4-04-NF

6/4/2004

9:27

H2O

X

2

Spring 3A 6-4-04-NF

6/4/2004

9:30

H2O

X

2

Spring 4-6-4-04-NF

6/4/2004

11:15

H2O

X

2

Spring 4C-6-4-04-NF

6/4/2004

11:15

H2O

X

2

Spring 4C-6-4-04-NF-Matrix Spike

6/4/2004

11:15

H2O

X

2

Spring 4C-6-4-04-NF-Matrix

6/4/2004

11:15

H2O

X

2

Spike Duplicate

6/4/2004

11:15

H2O

X

2

PROJECT INFORMATION
PROJECT: HE 06110220
PROJ. NAME: White Rock Canyon
Spirings HE Profile
QC LEVEL: STD IV
QC REQUIRED: MS MSD BLANK
TAT: STANDARD

SAMPLE RECEIPT
Total Number of Containers
Chain of Custody Seals
Received Initial?
Received Good Cond./Cold
LAB NUMBER:

RELINQUISHED BY:
Signature: *Kim Granzow*
Printed Name: Kim Granzow
Date: 6-4-04
Company: Paragon Laboratories, Inc.

RECEIVED BY:
Signature: *Donna Rydberg*
Printed Name: Donna Rydberg
Date: 6/5/04
Company: Paragon Laboratories, Inc.

DUE DATE:

RUSH SURCHARGE:

CLIENT DISCOUNT:

SPECIAL CERTIFICATION

REQUIRED: YES NO

Donna, please bill to: June Dreith,
560 Golden Ridge Road, Suite 130,
Golden, Colorado, 80401 Phone 303-
763-7188, Fax 303-763-4869. Thanks!

LC/MS

Supporting Documentation

Sample Sequence, Quant Reports,
Chromatograms



STL

Lot ID: D4F050141

Client: TechLaw Inc.

Method: 8321A explosives

Associated Samples: 1-4

Batch #(s): 4159119

*I certify that, to the best of my knowledge, the attached package
represents a complete and accurate copy of the original data.*

Signature/Date: Mark Dymerski - 6/17/04

**LC/MS SEMIVOLATILE
ORGANIC EXTRACTION
LOG SHEETS**

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/07/04
Time: 13:56:18

$\frac{\text{LEV}}{1}$	Y	Y	Y	
$\frac{\text{LEV}}{2}$	Y	Y	Y	
				Blank
				Check
				MS/MSD

Weights/Volumes
Spike & Surrogate Worksheet
Vial contains correct volume
Labels, greenbars, worksheets
computer batch: correct & all match
Anomalies to Extraction Method

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to
Bench Sheet Copied po

Extractionist: 009250 Heather Despres

Concentrationist: 009250 Heather Despres

*
* QC BATCH: 4159119 *
*

PREP DATE:	6/07/04	8:00
COMP DATE:	6/07/04	14:00

Reviewer/Date: DESPREHA / 6/07/04

8321A, Explosives by LCMS
SOLID PHASE EXTRACTION (NOMINAL)

EXTR EXPR	ANL DUE	LOT# WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH ⁵ ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/09/04 COMMENTS:	6/22/04	D4F040396-001 GHNJQ-1-AC	D	B7	BX	WATER	1064mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
6/09/04 COMMENTS:	6/22/04	D4F040396-002 GHNJT-1-AC	D	B7	BX	WATER	1059mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
6/09/04 COMMENTS:	6/22/04	D4F040396-003 GHNJV-1-AC	D	B7	BX	WATER	950mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
6/09/04 COMMENTS:	6/22/04	D4F040396-004 GHNJW-1-AC	D	B7	BX	WATER	1039mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
6/11/04 COMMENTS:	6/23/04	D4F050141-001 GHPG9-1-AC	D	B7	BX	WATER	1059mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
6/11/04 COMMENTS:	6/23/04	D4F050141-002 GHPHF-1-AC	D	B7	BX	WATER	1053mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
6/11/04 COMMENTS:	6/23/04	D4F050141-003 GHPHG-1-AC	D	B7	BX	WATER	1061mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 6/07/04
Time: 13:56:18*****
*
* QC BATCH: 4159119 *
* PREP DATE: 6/07/04 8:00
* COMP DATE: 6/07/04 14:00

EXTR EXPR	ANL DUE	LOT# WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH"S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL	EXCHANGE VOL	SPIKE STANDARD/ SURROGATE ID
6/11/04	6/23/04	D4F050141-004 GHPH-1-AC	D	B7	BX	1058mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
COMMENTS:												
6/11/04	6/23/04	D4F050141-004 GHPH-1-APS	D	B7	BX	1060mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 808.145.4 2-26-04
COMMENTS:												
6/11/04	6/23/04	D4F050141-004 GHPH-1-AGD	D	B7	BX	994mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 808.145.4 2-26-04
COMMENTS:												
6/09/04	0/00/00	R4F070000-119 GHPH-1-AAB		B7	BX	1000mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 808.145.4 2-26-04
COMMENTS:												
6/09/04	0/00/00	R4F070000-119 GHPH-1-ACC		B7	BX	1000mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 808.145.4 2-26-04
COMMENTS:												

DEN-LC-0010 H2O: MILLI-Q/AO2E00 ACN: Y44815 S/S: HD
CARTRIDGES: S214-18/10940-4

R = RUSH	C = CLP	NUMBER OF WORK ORDERS IN BATCH:	12
E = EPA 600	D = EXP.DEL)		
M = CLIENT REQ MS/MSD			

LC/MS SEMIVOLATILE
Instrument Run Log

Masslynx - Sample List

Page 1

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6).SPL
 Printed: Thu Jun 10 09:22:19 2004

Page Position: (1, 1)

	File Name	Sample ID	File Text	Sample Type	Analyte µg/L	QC µg/L	Vial	Extract (L)
1	ex24f0801	856.65.3	Blank	Blank	0	50	1	1.000
2	ex24f0802	856.65.4	5 µg/L	Standard	5	5	2	1.000
3	ex24f0803	856.65.5	10 µg/L	Standard	10	10	3	1.000
4	ex24f0804	856.65.6	25 µg/L	Standard	25	25	4	1.000
5	ex24f0805	856.65.7	50 µg/L	Standard	50	50	5	1.000
6	ex24f0806	856.65.8	100 µg/L	Standard	100	100	6	1.000
7	ex24f0807	856.65.9	200 µg/L	Standard	200	200	7	1.000
8	ex24f0808	856.65.10	300 µg/L	Standard	300	300	8	1.000
9	ex24f0809	856.65.3	Blank	Blank	0	50	1	1.000
10	ex24f0810	856.65.11	100 µg/l ICV	QC	100	100	9	1.000
11	ex24f0860	856.65.7	50 µg/L	QC	50	50	5	1.000
12	ex24f0861	GHP3N1AA	R4F070000-119 MB	Blank	0	100	20	0.005
13	ex24f0862	GHP3N1AC	R4F070000-119 LCS	QC	100	100	21	0.005
14	ex24f0863	GHNJQ1AC	D4F040396-1	Analyte	0	100	22	0.005
15	ex24f0864	GHNJT1AC	D4F040396-2	Analyte	0	100	23	0.005
16	ex24f0865	GHNJV1AC	D4F040396-3	Analyte	0	100	24	0.005
17	ex24f0866	GHNJW1AC	D4F040396-4	Analyte	0	100	25	0.005
18	ex24f0867	GHPG91AC	D4F050141-1	Analyte	0	100	26	0.005
19	ex24f0868	GHPHF1AC	D4F050141-2	Analyte	0	100	27	0.005
20	ex24f0869	GHPHG1AC	D4F050141-3	Analyte	0	100	28	0.005
21	ex24f0870	856.65.8	100 µg/L	QC	100	100	6	1.000
22	ex24f0871	GHPHH1AC	D4F050141-4	Analyte	0	100	29	0.005
23	ex24f0872	GHPHH1AF	D4F050141-4 MS	QC	100	100	30	0.005
24	ex24f0873	GHPHH1AG	D4F050141-4 MSD	QC	100	100	31	0.005
25	ex24f0874	856.65.7	50 µg/L	QC	50	50	5	1.000

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6).SPL
Printed: Thu Jun 10 09:22:19 2004

Page Position: (2, 1)

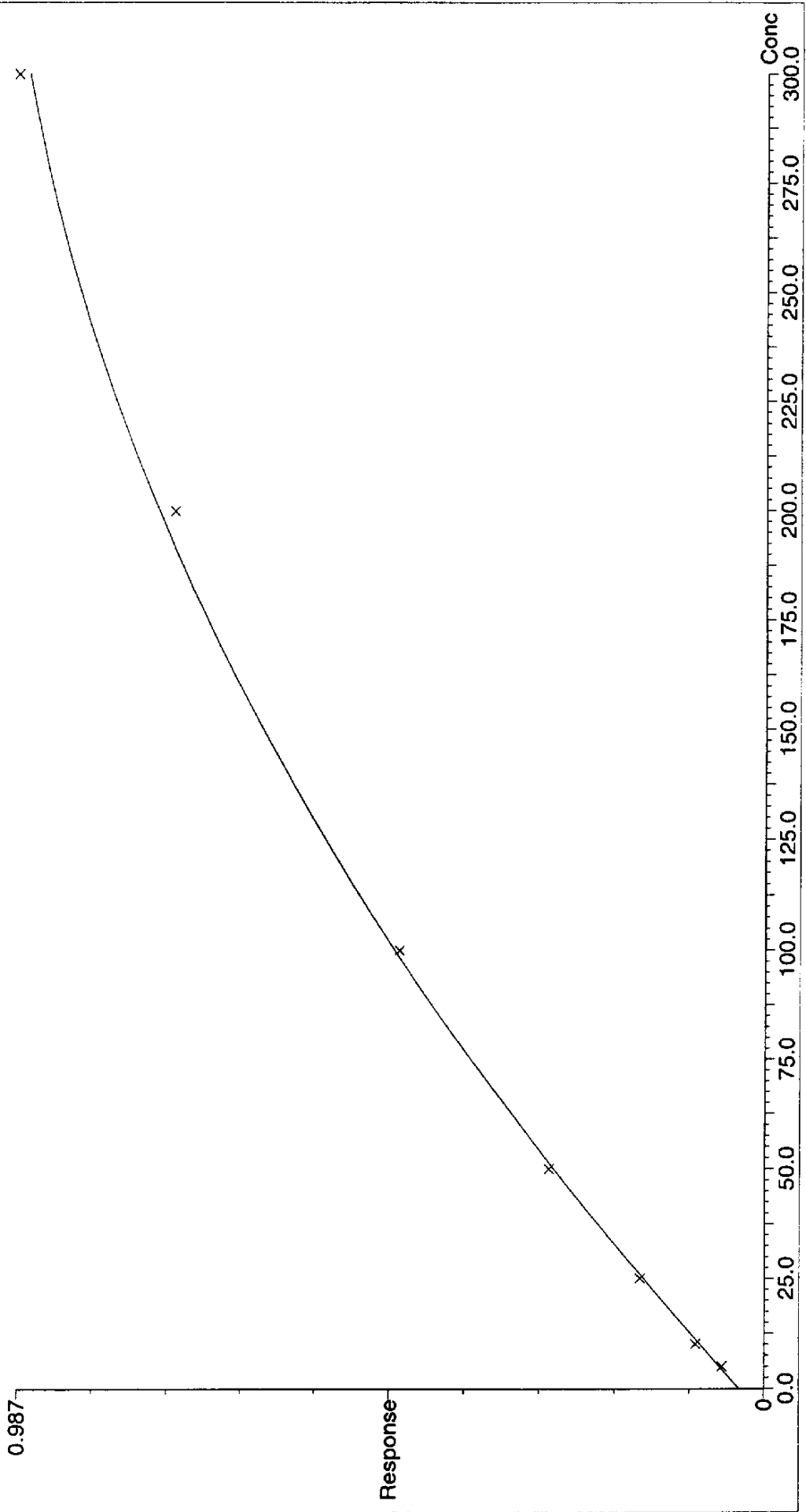
	Sample (L or kg)	Dilution	µL Injected	MS Tune File	Inlet File	MS File
1	1.000	1.000	50.000	Explosives	Exp2	Explosives
2	1.000	1.000	50.000	Explosives	Exp2	Explosives
3	1.000	1.000	50.000	Explosives	Exp2	Explosives
4	1.000	1.000	50.000	Explosives	Exp2	Explosives
5	1.000	1.000	50.000	Explosives	Exp2	Explosives
6	1.000	1.000	50.000	Explosives	Exp2	Explosives
7	1.000	1.000	50.000	Explosives	Exp2	Explosives
8	1.000	1.000	50.000	Explosives	Exp2	Explosives
9	1.000	1.000	50.000	Explosives	Exp2	Explosives
10	1.000	1.000	50.000	Explosives	Exp2	Explosives
11	1.000	1.000	50.000	Explosives	Exp2	Explosives
12	1.000	1.000	50.000	Explosives	Exp2	Explosives
13	1.000	1.000	50.000	Explosives	Exp2	Explosives
14	1.064	1.000	50.000	Explosives	Exp2	Explosives
15	1.059	1.000	50.000	Explosives	Exp2	Explosives
16	0.950	1.000	50.000	Explosives	Exp2	Explosives
17	1.039	1.000	50.000	Explosives	Exp2	Explosives
18	1.059	1.000	50.000	Explosives	Exp2	Explosives
19	1.053	1.000	50.000	Explosives	Exp2	Explosives
20	1.061	1.000	50.000	Explosives	Exp2	Explosives
21	1.000	1.000	50.000	Explosives	Exp2	Explosives
22	1.058	1.000	50.000	Explosives	Exp2	Explosives
23	1.060	1.000	50.000	Explosives	Exp2	Explosives
24	0.994	1.000	50.000	Explosives	Exp2	Explosives
25	1.000	1.000	50.000	Explosives	Exp2	Explosives

**LC/MS SEMIVOLATILE
STANDARD DATA**

Quantify Calibration Report
Explosives Analysis
Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:16:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 1 name: HMX Method File: ex24f08
Coefficient of Determination: 0.998988
Calibration curve: $-7.06168e-6 * x^2 + 0.00525076 * x + 0.0329724$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:16:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

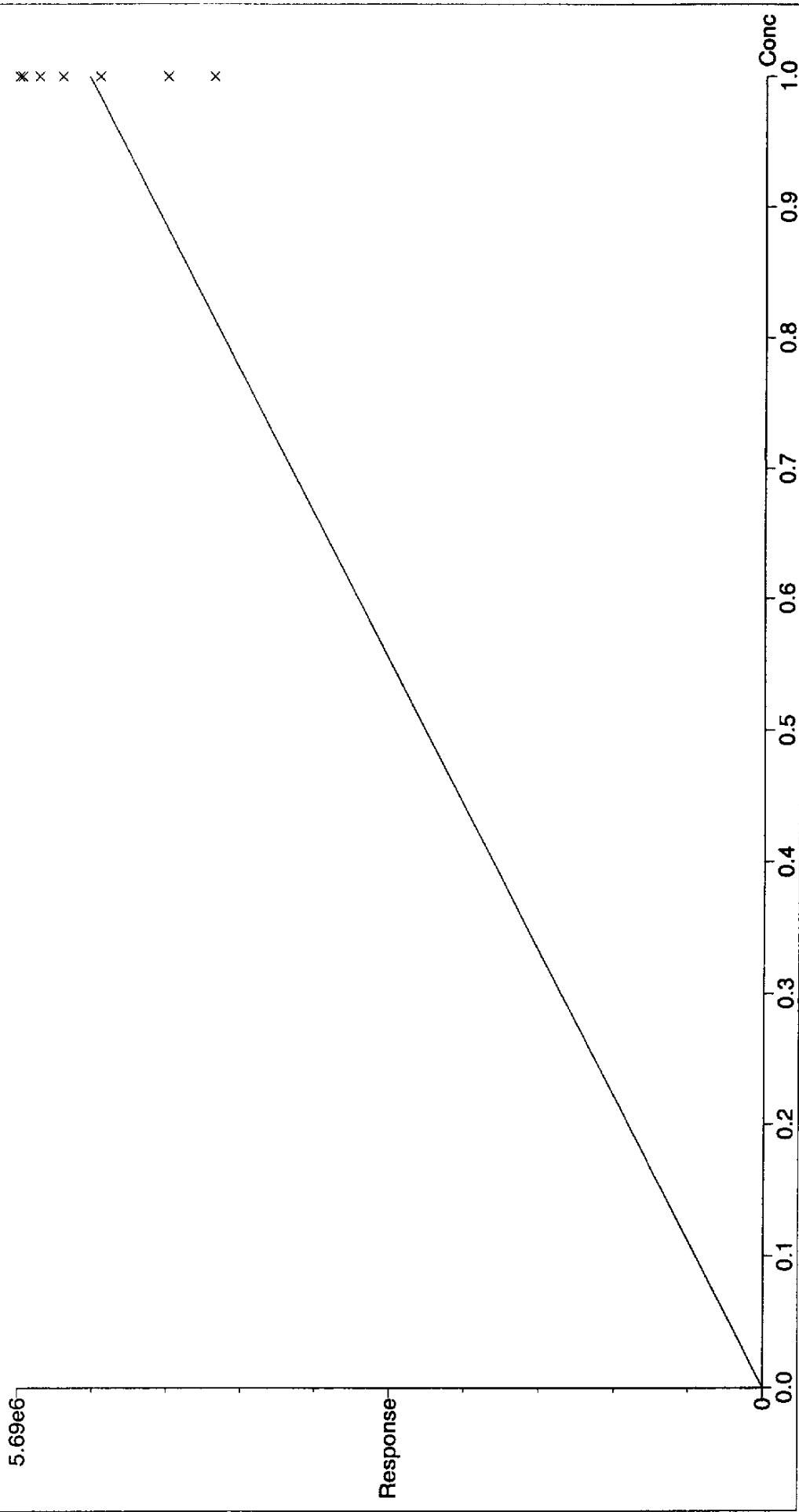
Compound 2 name: RDX 13C-3 284 (IS) Method File: ex24f08

Response Factor: 5.15330e6

RRF SD: 580485, % Relative SD: 11.2643

Response type: External Std, Area

Curve type: RF

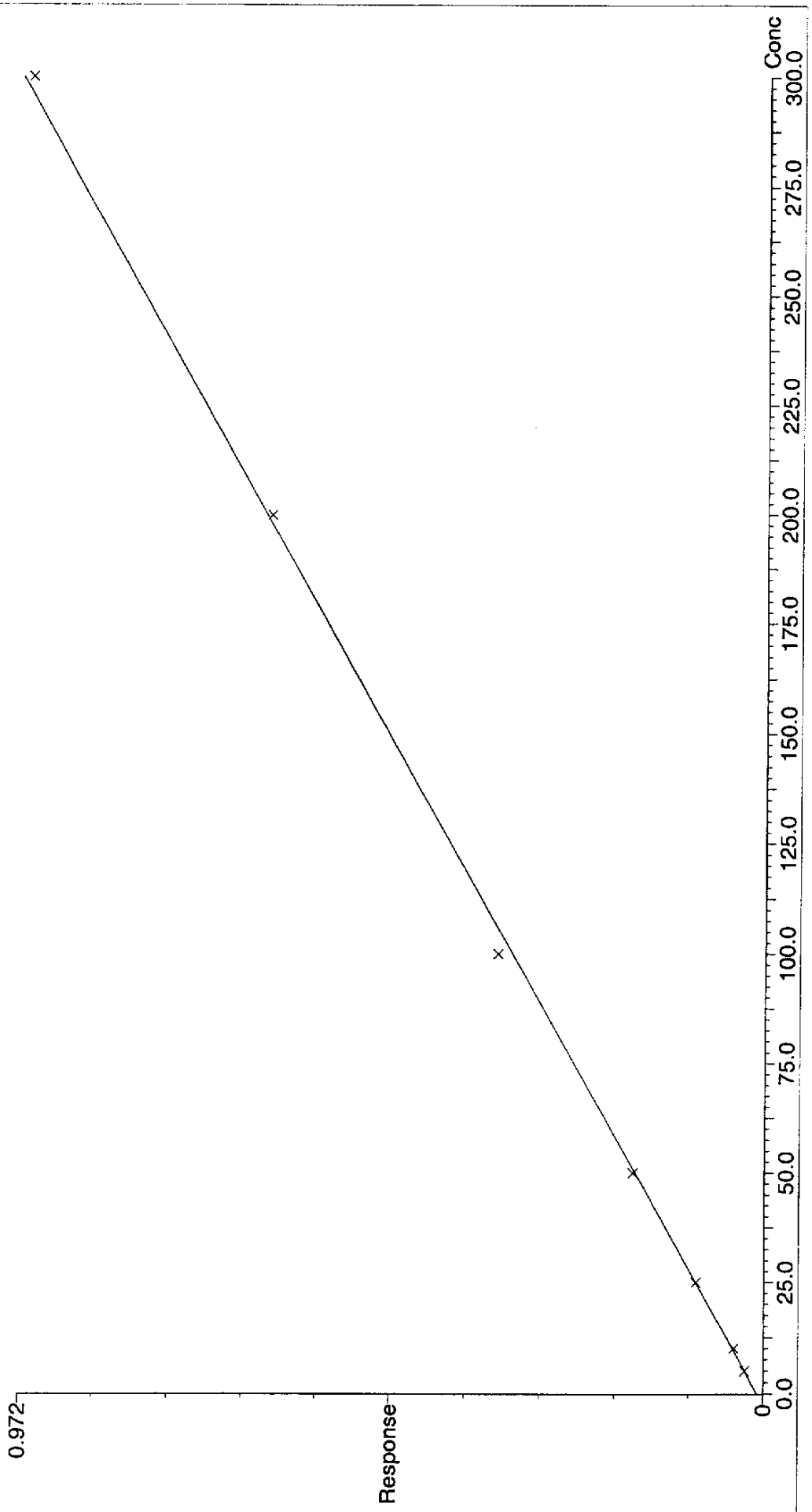


Analyst: Mark Dymarski

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 3 name: RDX Method File: ex24f08
Coefficient of Determination: 0.999254
Calibration curve: $0.00321185 * x + 0.00807398$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Result (µg/L or kg)

= Amt * DF * Vf / Vs

Amt = on-column concentration (µg/L)

Vf = Final volume at end of extraction (L)

DF = Dilutions after extraction (L/L)

Vs = Size of sample Extracted (L or kg)

Compound 4 name: 1,3,5-Trinitrobenzene

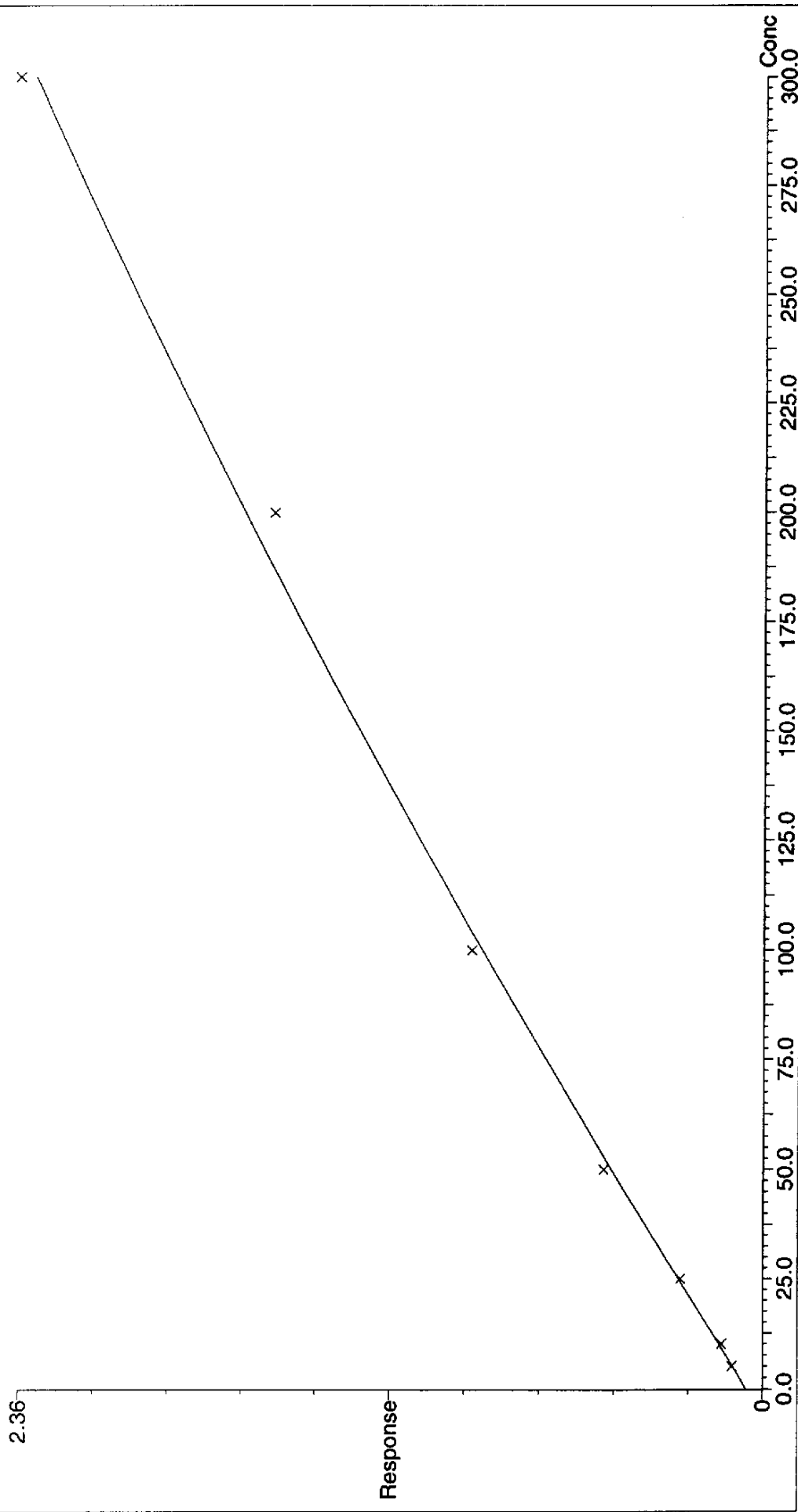
Method File: ex24f08

Coefficient of Determination: 0.996994

Calibration curve: -4.26869e-6 * x^2 + 0.00881698 * x + 0.0513044

Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)

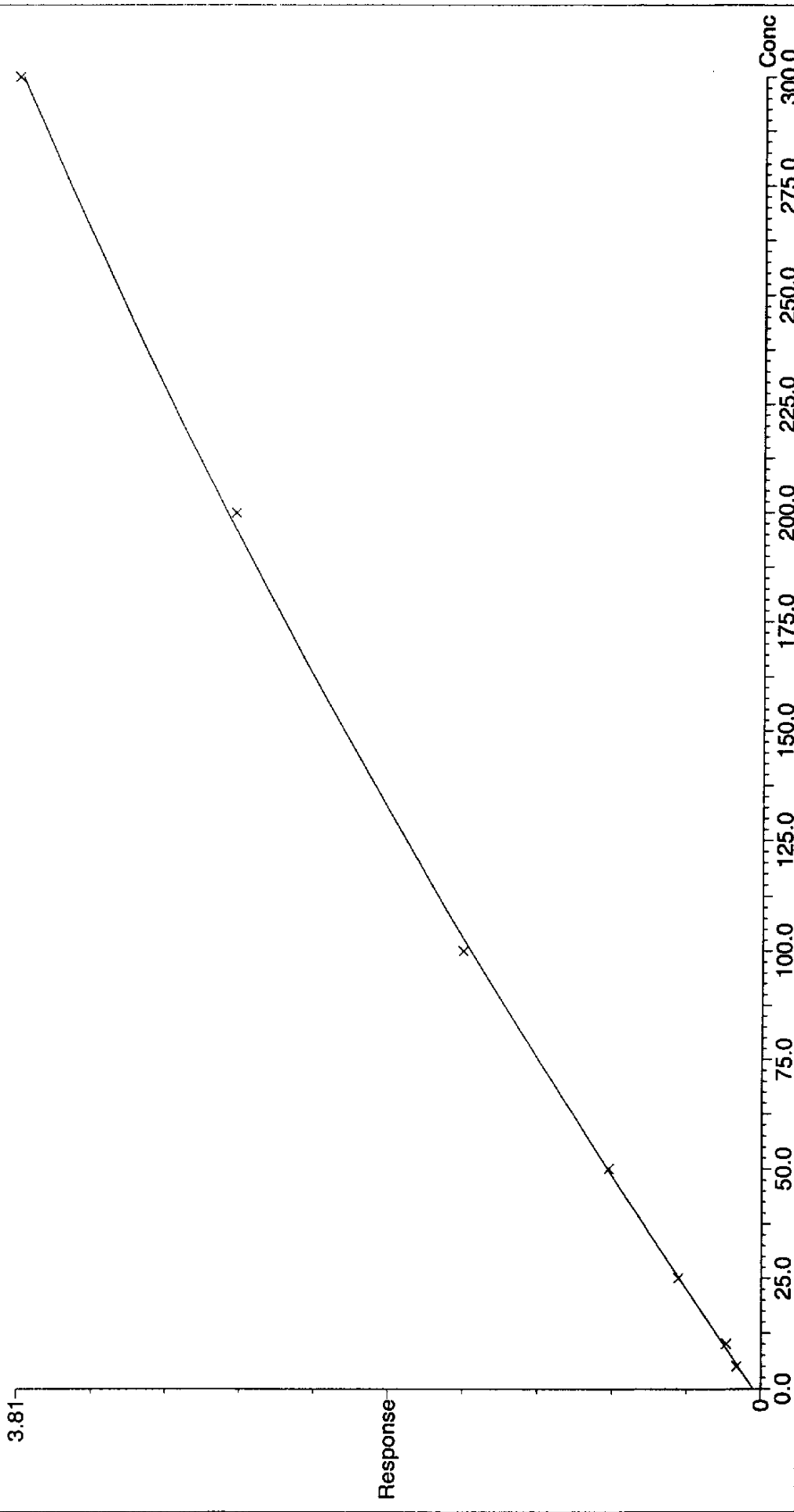
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 5 name: Tetryl Method File: ex24f08
Coefficient of Determination: 0.999660
Calibration curve: $-9.89556e-6 * x^2 + 0.0154788 * x + 0.0390892$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Calibration: C:\Masslynx\Explosives.PRO\CurvesDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

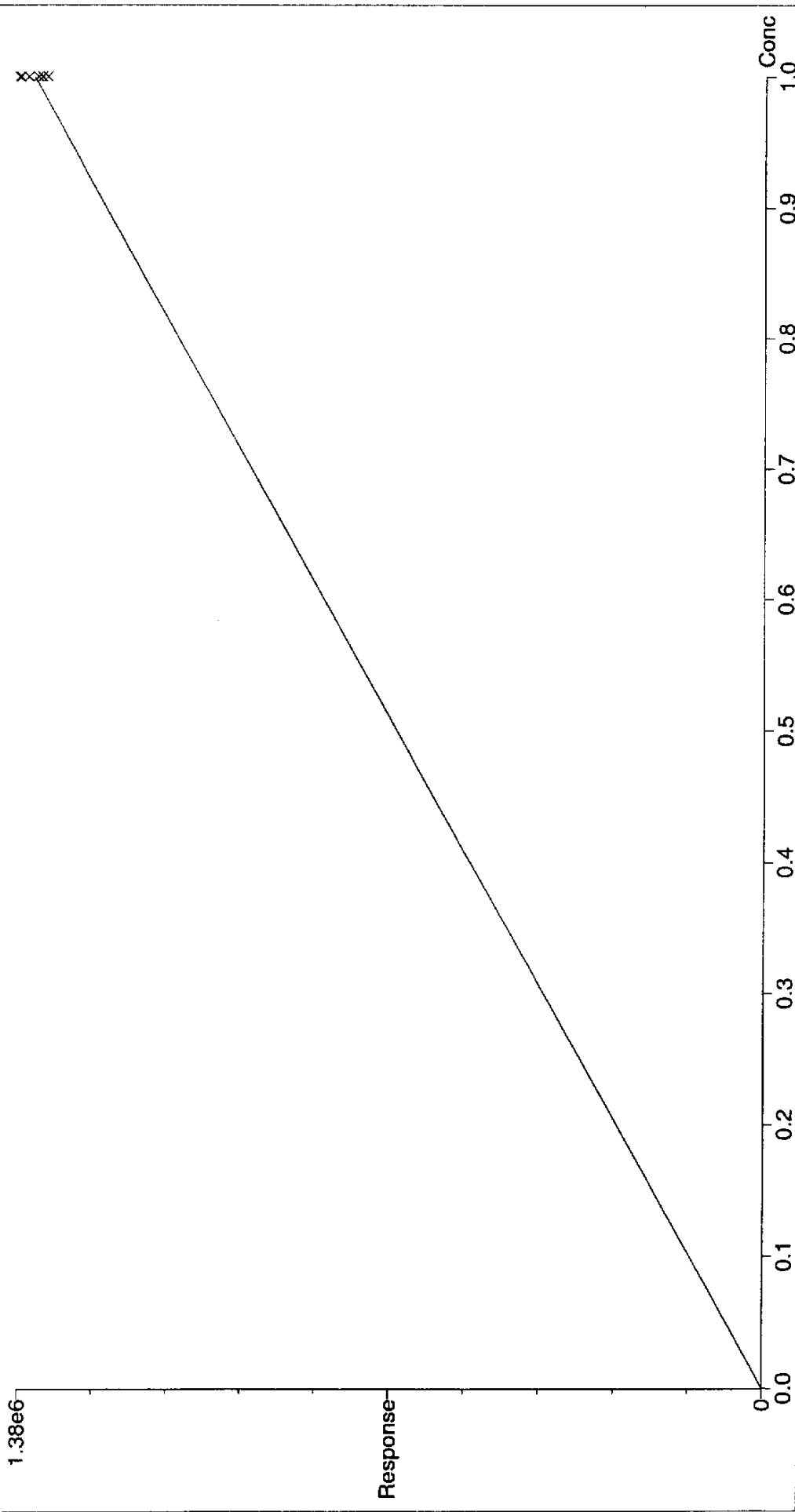
Compound 6 name: Dinitrobenzene-d4 (IS) Method File: ex24f08

Response Factor: 1.35493e6

RRF SD: 20737.0, % Relative SD: 1.53049

Response type: External Std, Area

Curve type: RF

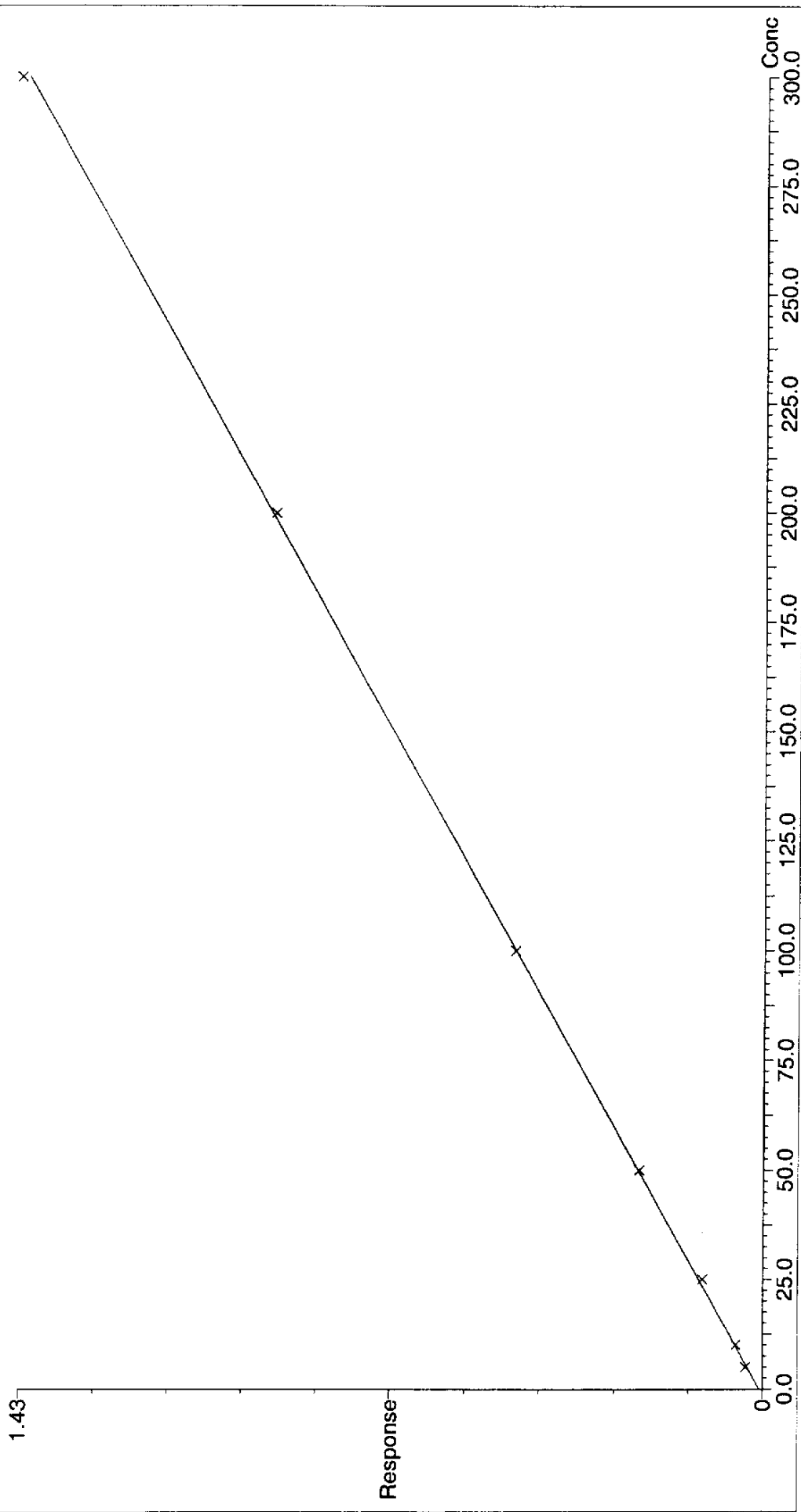


Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound name: 1,3-Dinitrobenzene Method File: ex24f08
Coefficient of Determination: 0.999794
Calibration curve: $0.00469986 * x + 0.00624284$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



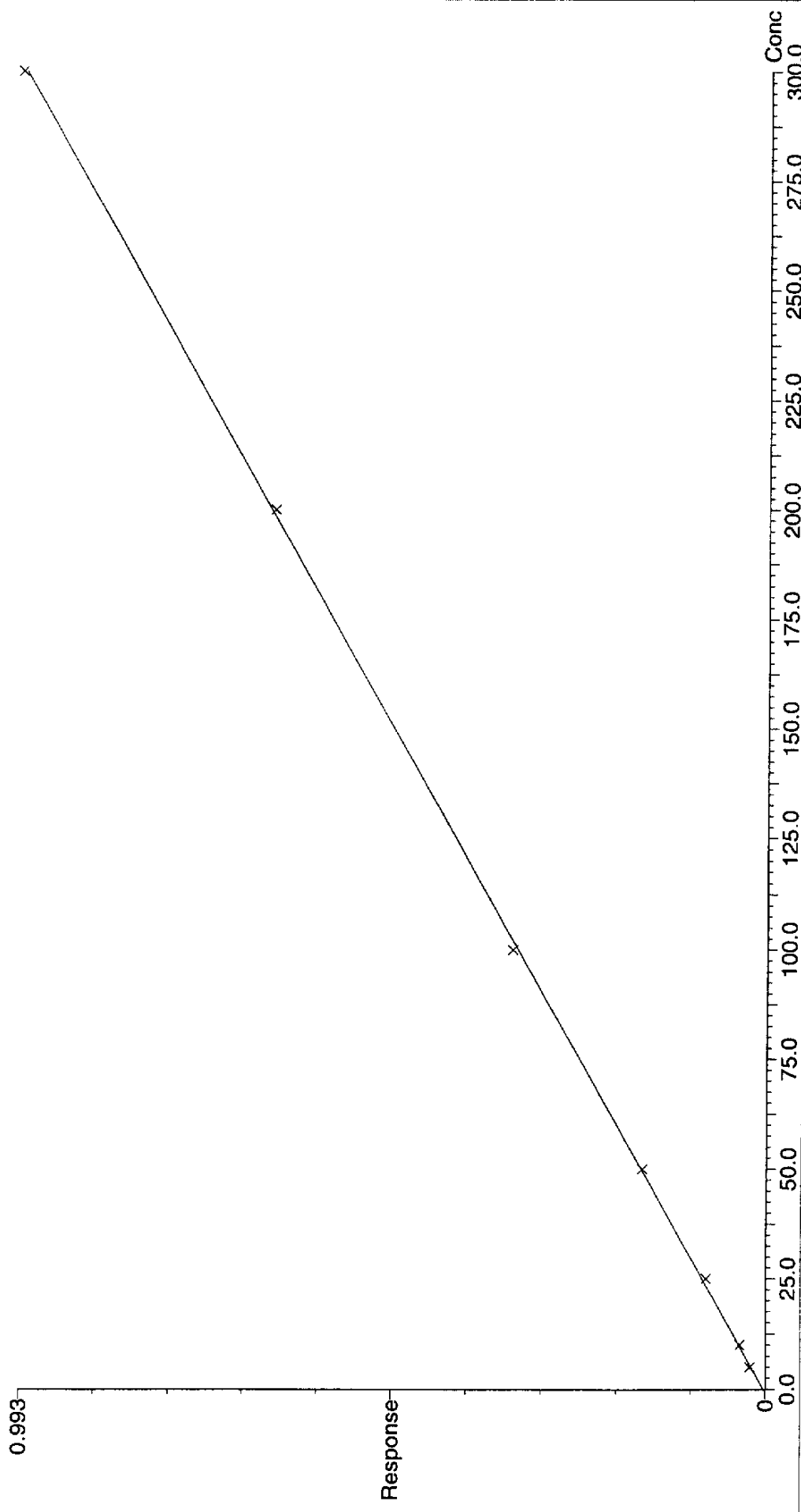
Analyst: Mark Dymarski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 8 name: Nitrobenzene-d5 Method File: ex24f08
Coefficient of Determination: 0.999839
Calibration curve: $0.00328550 * x + 0.00252420$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

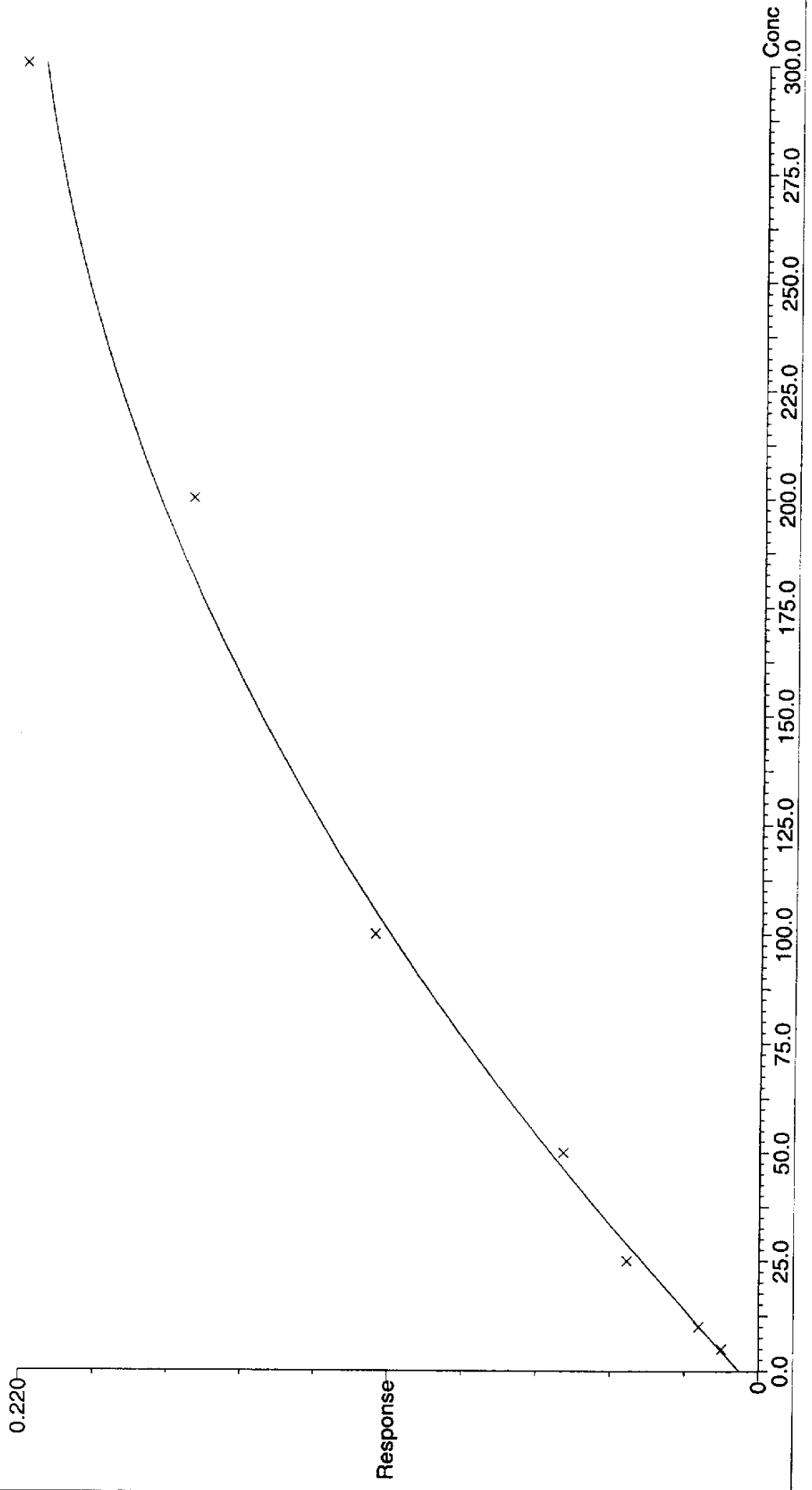


Analyst: Mark Dymerski

Calibration: C:\Masalyon\Explosives.Pro\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

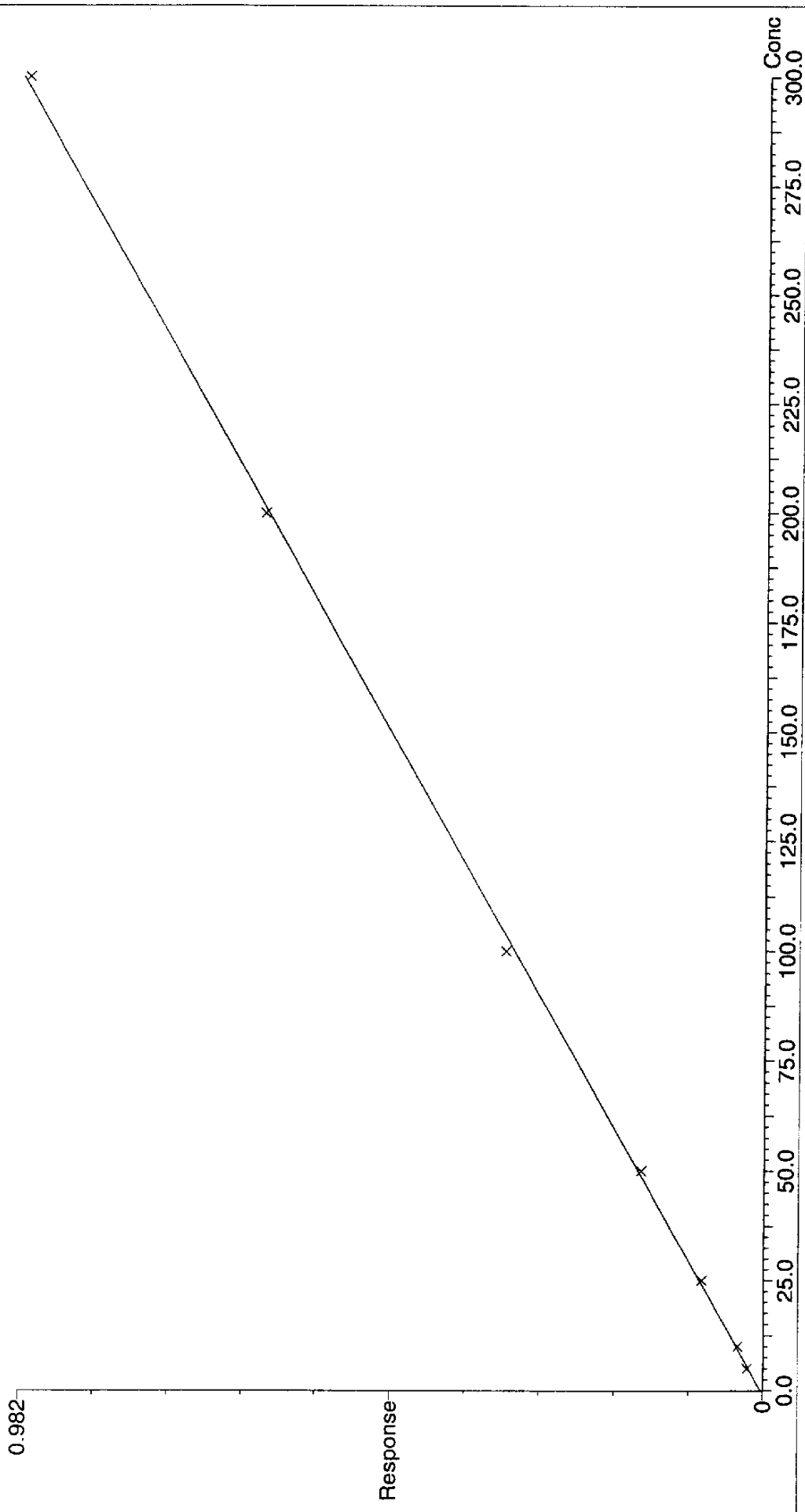
Compound 9 name: Nitroglycerin Method File: ex24f08
Coefficient of Determination: 0.995185
Calibration curve: $-1.73726e-6 * x^2 + 0.00121701 * x + 0.00554784$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Calibration: C:\Masalynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 10 name: Nitrobenzene Method File: ex24f08
Coefficient of Determination: 0.999681
Calibration curve: $0.00326264 * x + 0.00287069$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

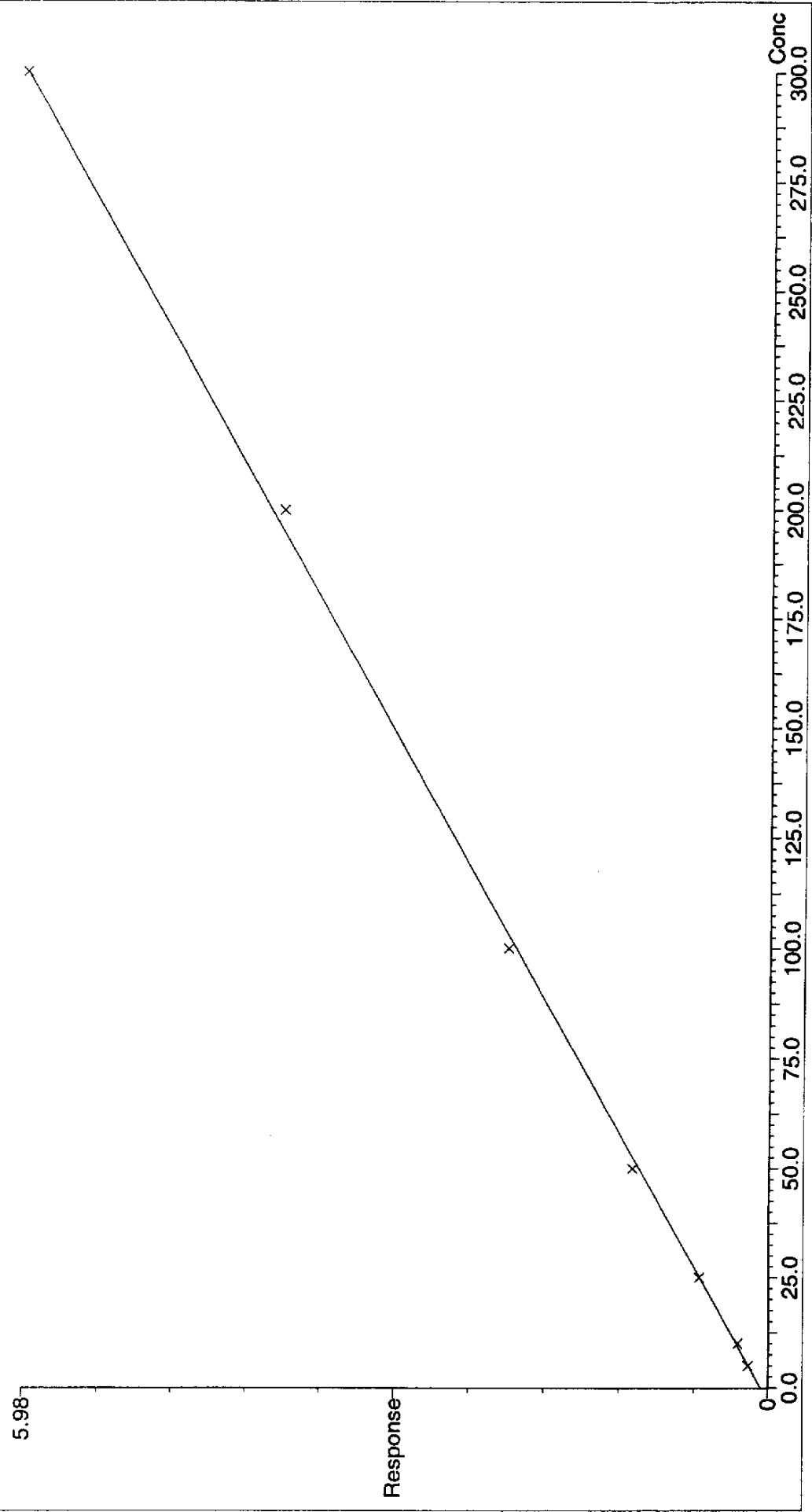


Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedR\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 11 name: 2,4,6-Trinitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999412
Calibration curve: $0.0197297 * x + 0.0572229$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dymerski

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives_PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

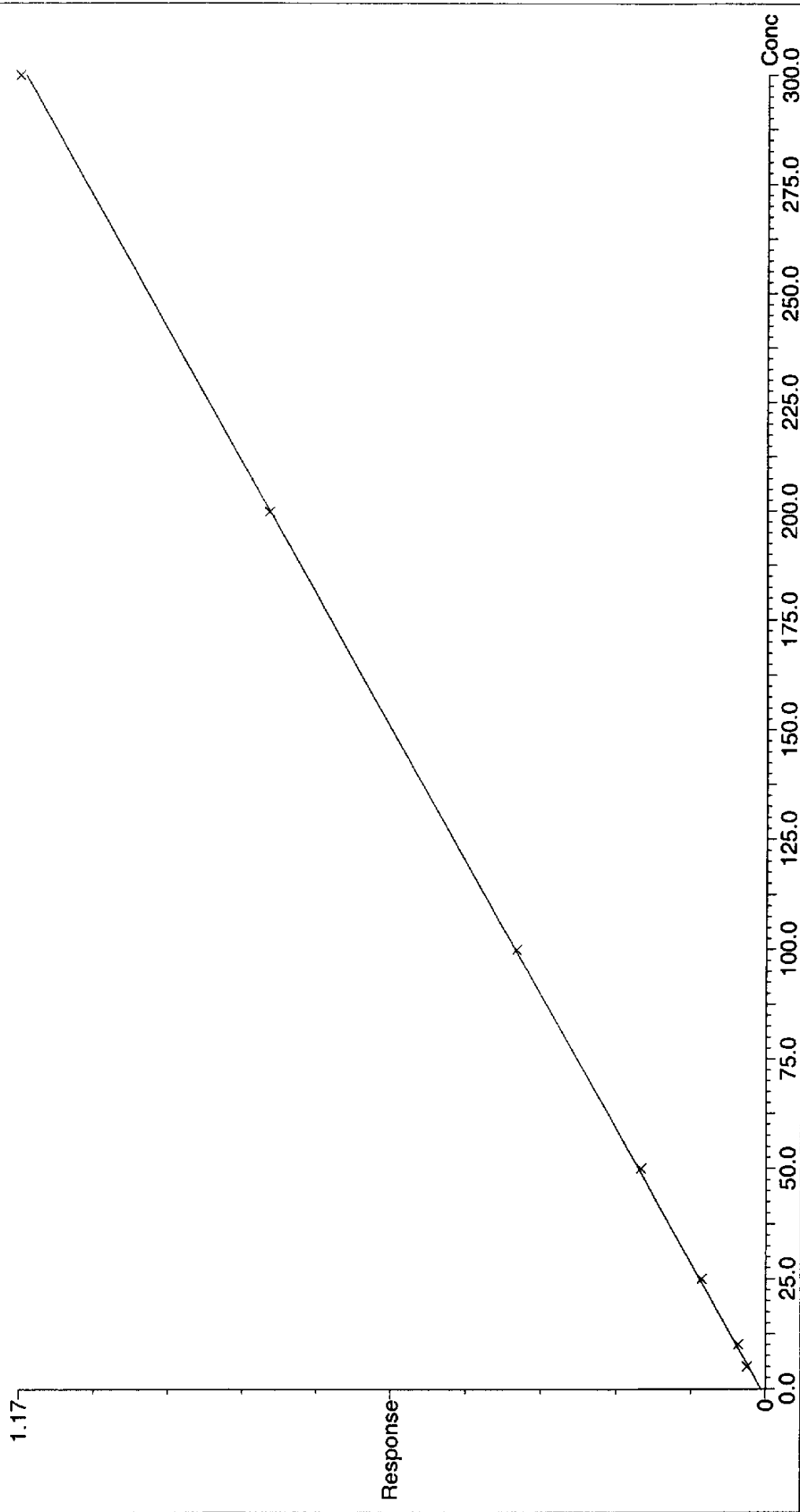
Compound 12 name: 4-Amino-2,6-dinitrotoluene Method File: ex24f08

Coefficient of Determination: 0.999892

Calibration curve: $0.00384779 * x + 0.00731589$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dymarski

Calibration: C:\Masslynx\Explosives.PRO\CurvesDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

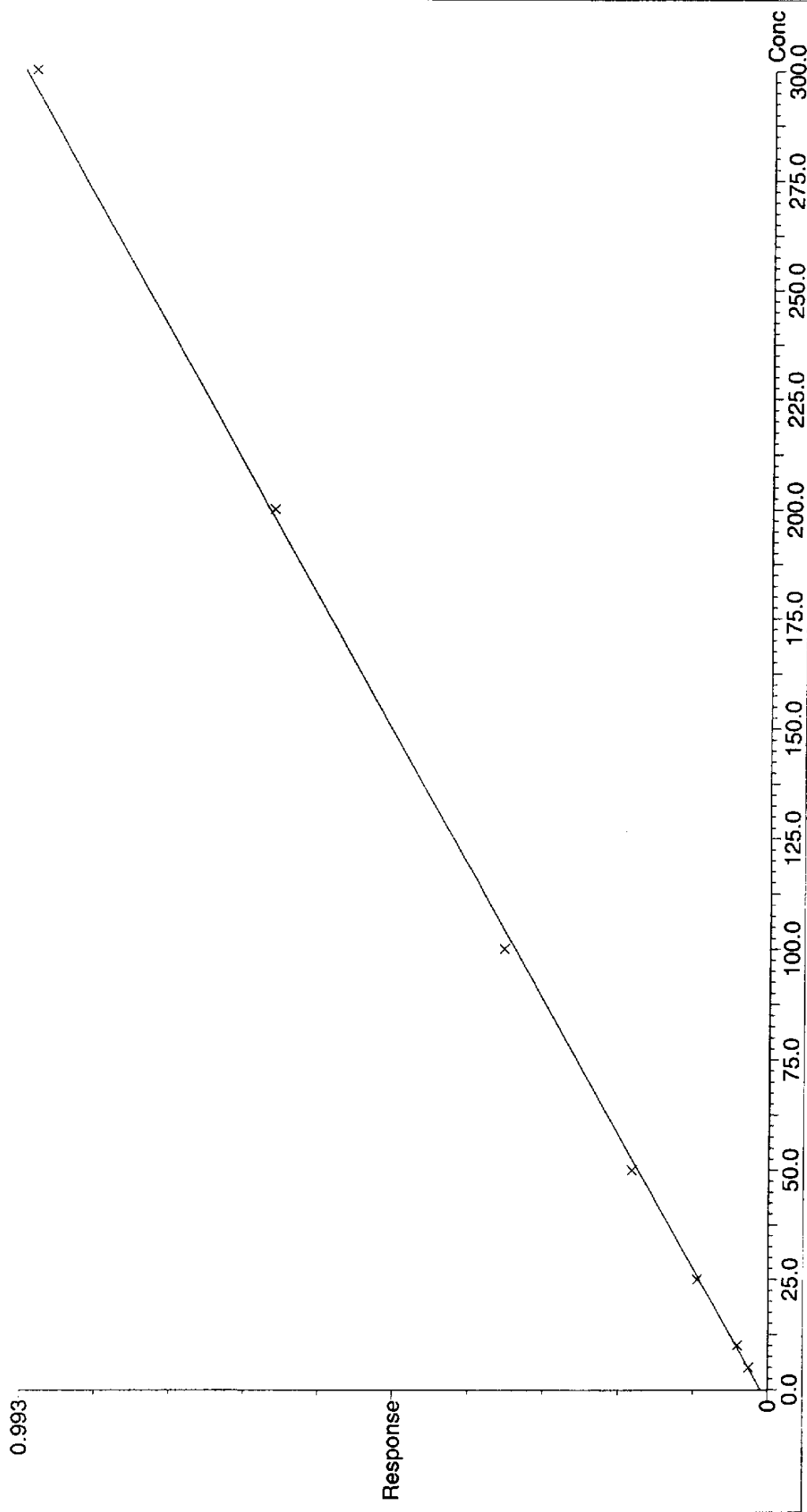
Compound 13 name: 2-Amino-4,6-dinitrotoluene Method File: ex24f08

Coefficient of Determination: 0.999315

Calibration curve: $0.00327828 * x + 0.00951427$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

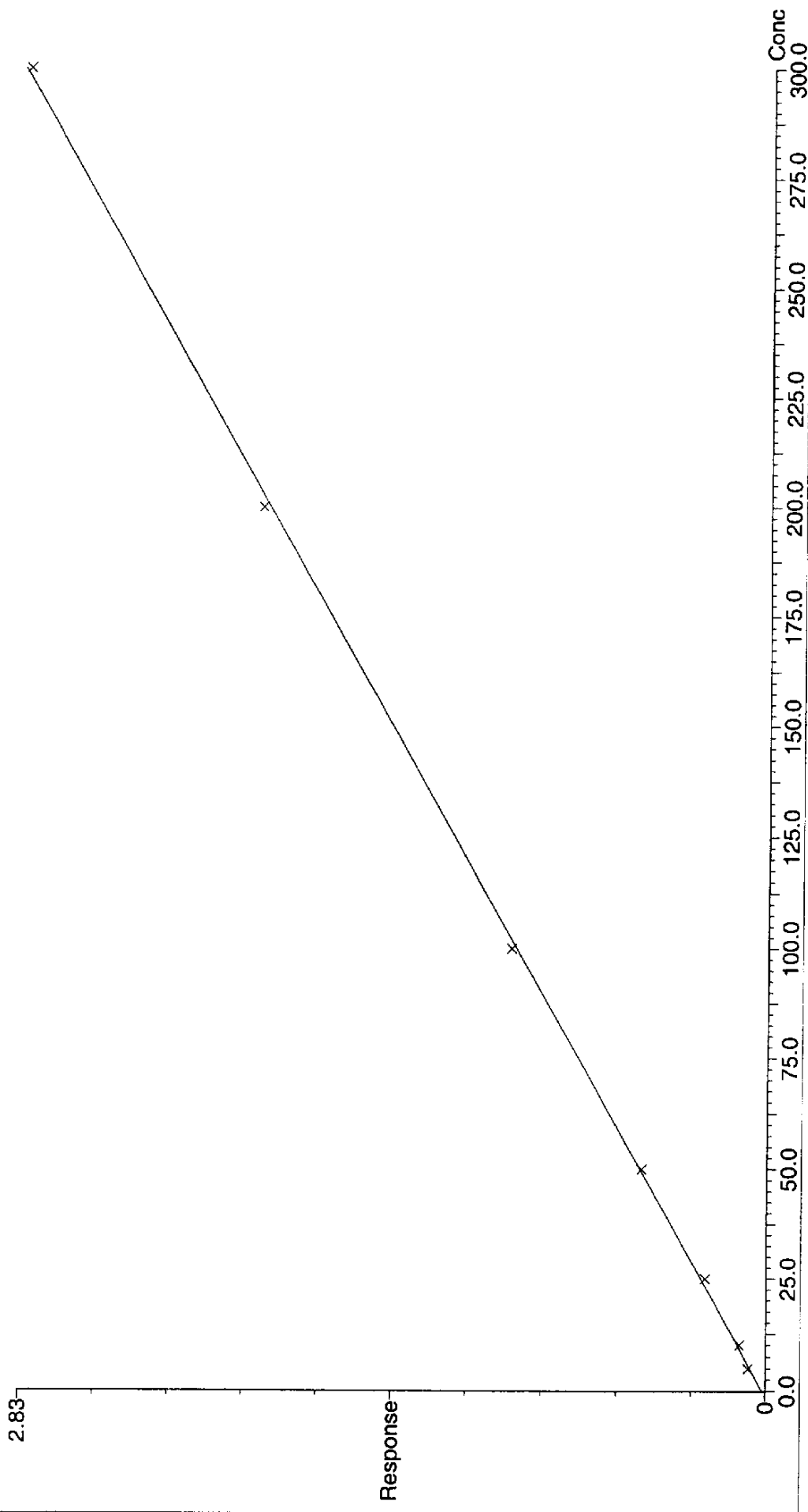


Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

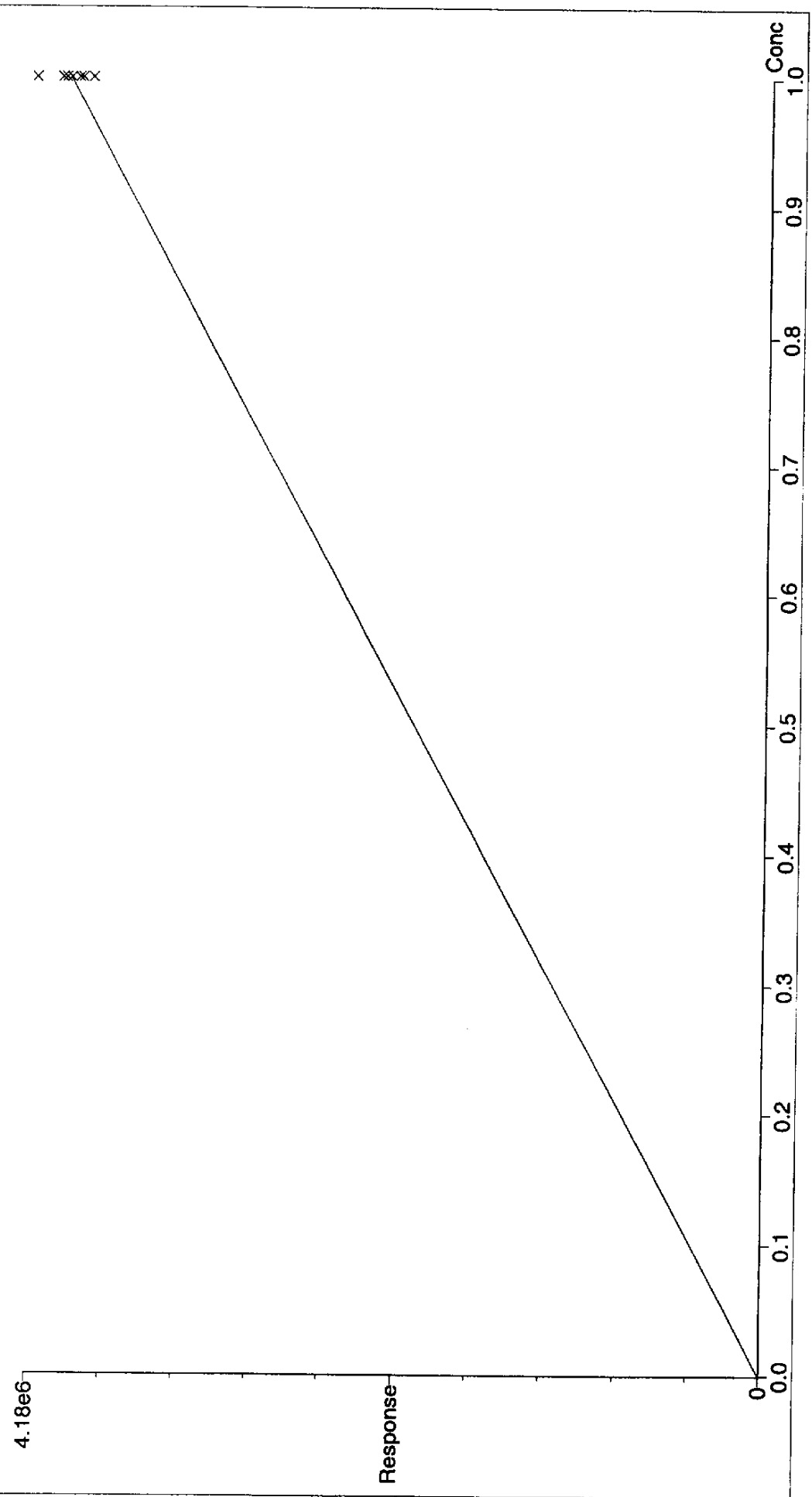
Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 14 name: 2,6-Dinitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999723
Calibration curve: $0.00939387 * x + 0.0126380$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Calibration: C:\Masslynx\Explosives.PRO\Curves\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**
Compound 15 name: 2,4-Dinitrotoluene-d3 (IS) Method File: ex24f08
Response Factor: 3.98614e6
RRF SD: 103526, % Relative SD: 2.59715
Response type: External Std, Area
Curve type: RF



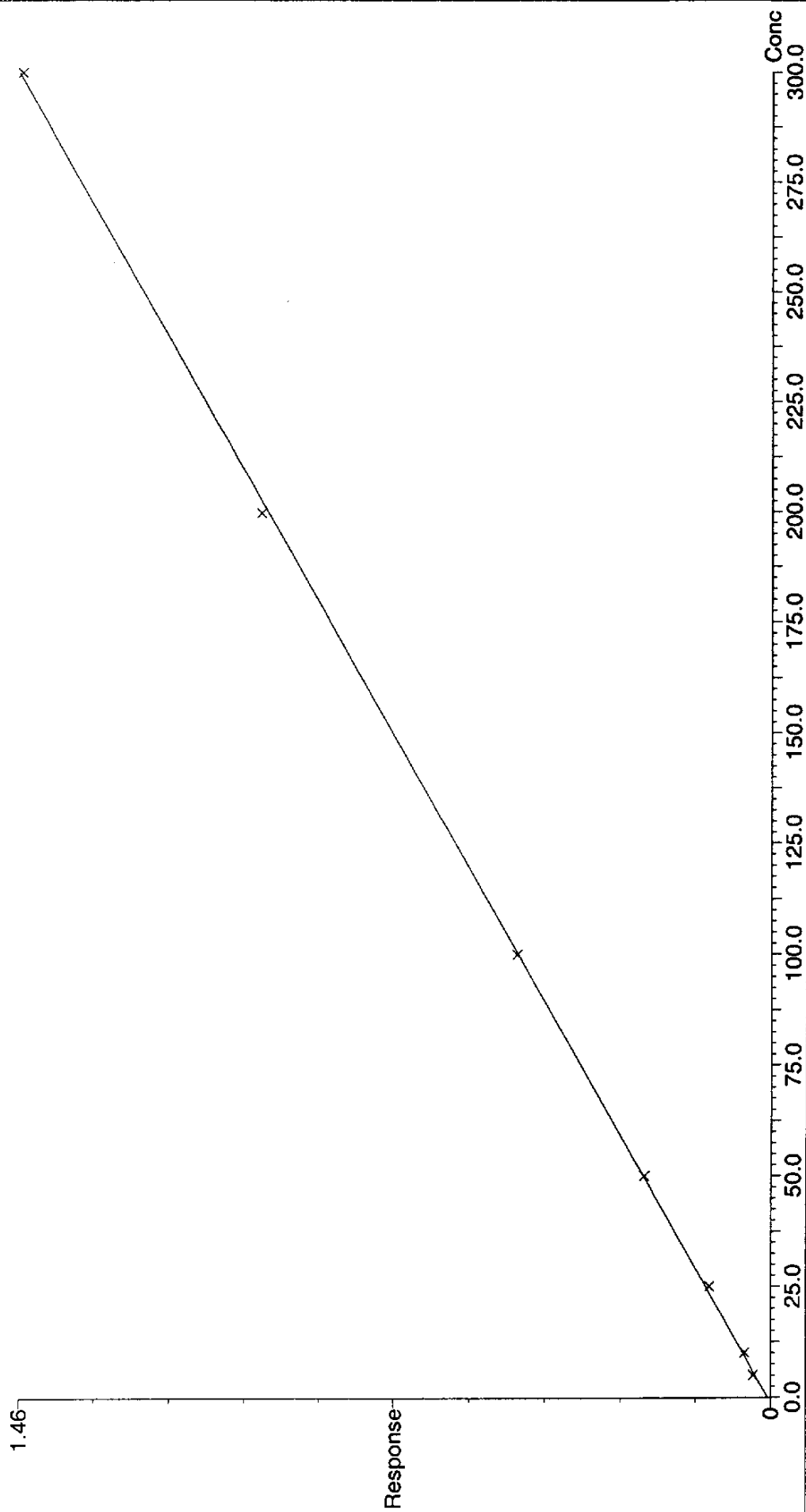
Quantify Calibration Report
Explosives Analysis

Page 16

Calibration: C:\Masslynx\Explosives_PRO\CurvedB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

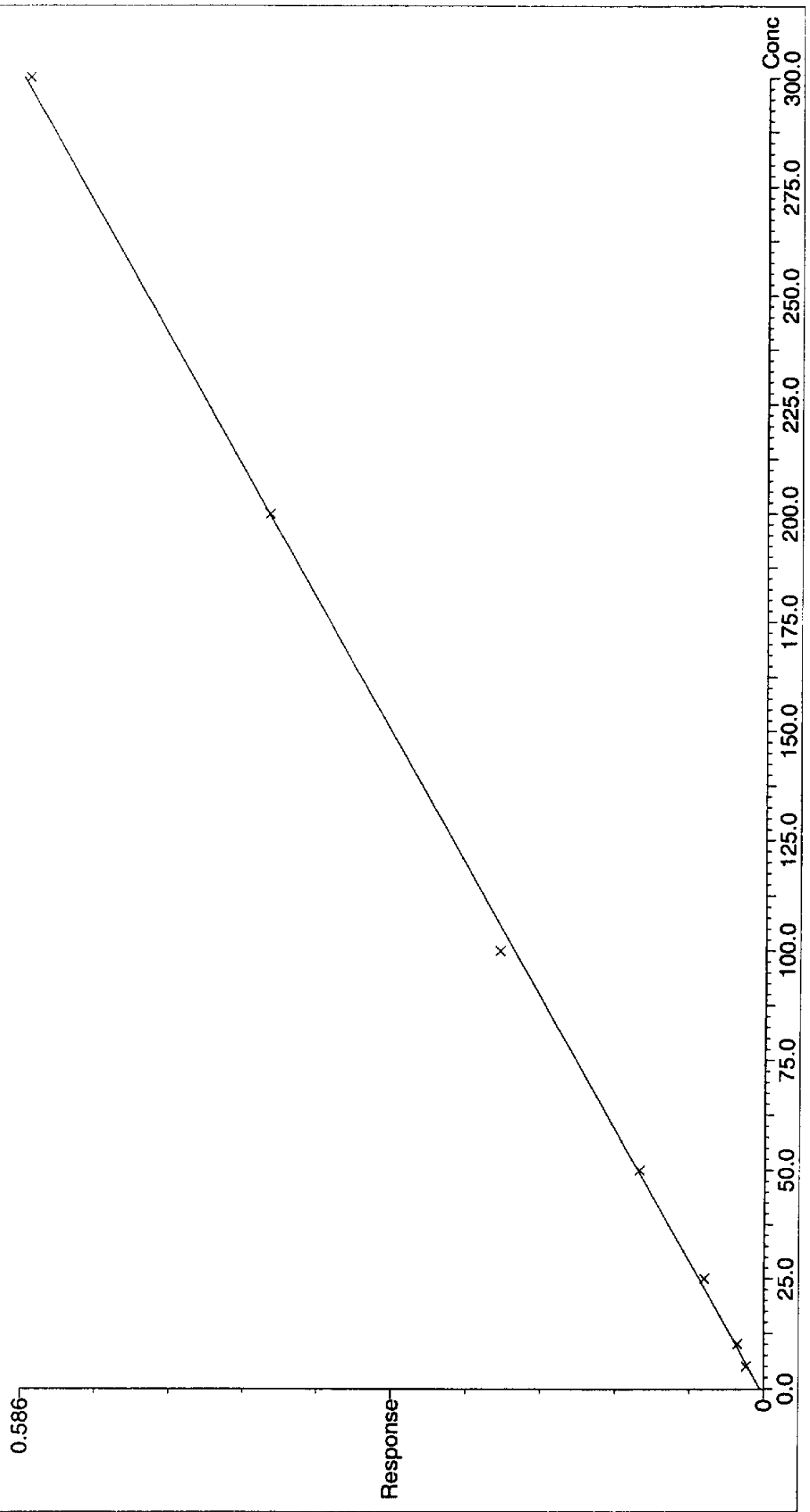
Compound name: 2,4-Dinitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999823
Calibration curve: $0.00484792 * x + 0.00610633$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dymarski

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 17 name: 2-Nitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999376
Calibration curve: $0.00194543 \cdot x + 0.00276058$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Result (µg/L or kg)

= Amt * DF * Vf / Vs

Amt = on-column concentration (µg/L)

DF = Dilutions after extraction (L/L)

Vf = Final volume at end of extraction (L)

Vs = Size of sample Extracted (L or kg)

Compound 18 name: PETN

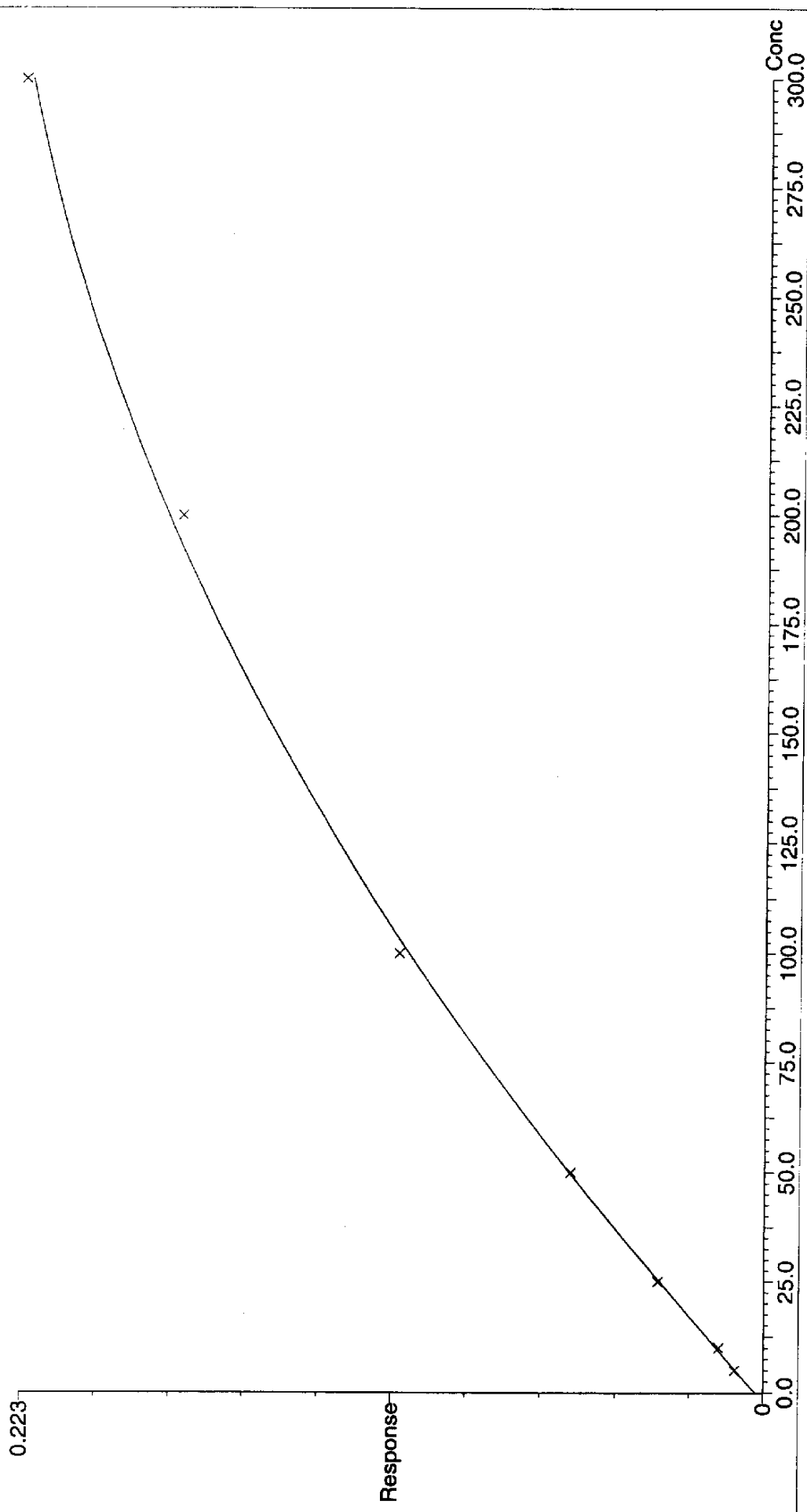
Method File: ex24f08

Coefficient of Determination: 0.999250

Calibration curve: $-1.57355e-6 * x^2 + 0.00120212 * x + 0.00240288$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

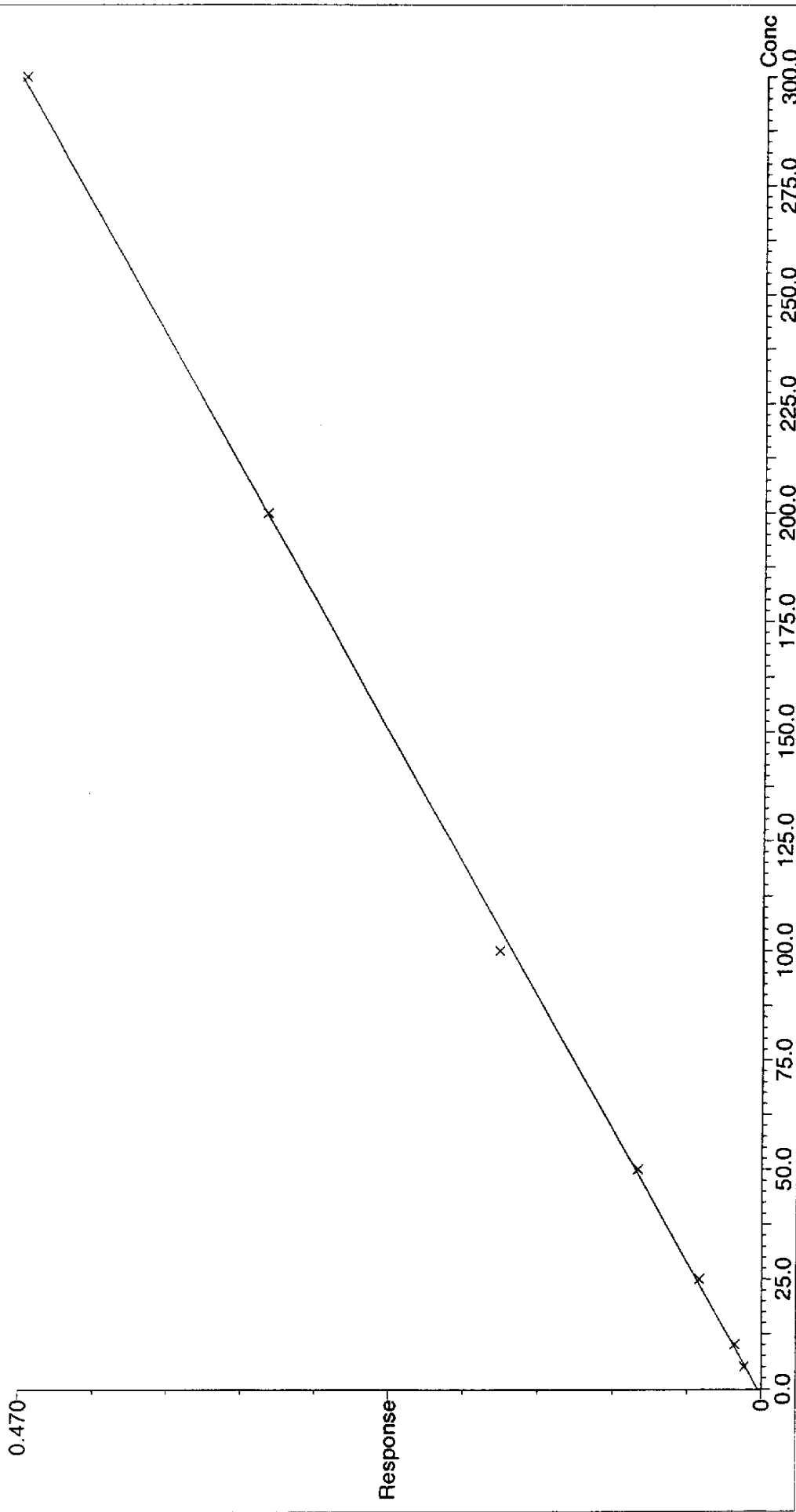


Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f08
Last modified: Tue Jun 08 14:18:01 2004
Printed: Thu Jun 10 08:52:20 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 19 name: 4-Nitrotoluene Method File: ex24f08
Coefficient of Determination: 0.999580
Calibration curve: $0.00156067 * x + 0.00221084$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Mark Dymarski

Result (µg/L or kg)

= Amt * DF * Vf / Vs

Amt = on-column concentration (µg/L)

DF = Dilutions after extraction (L/L)

Vf = Final volume at end of extraction (L)

Vs = Size of sample Extracted (L or kg)

Compound 20 name: 3-Nitrotoluene

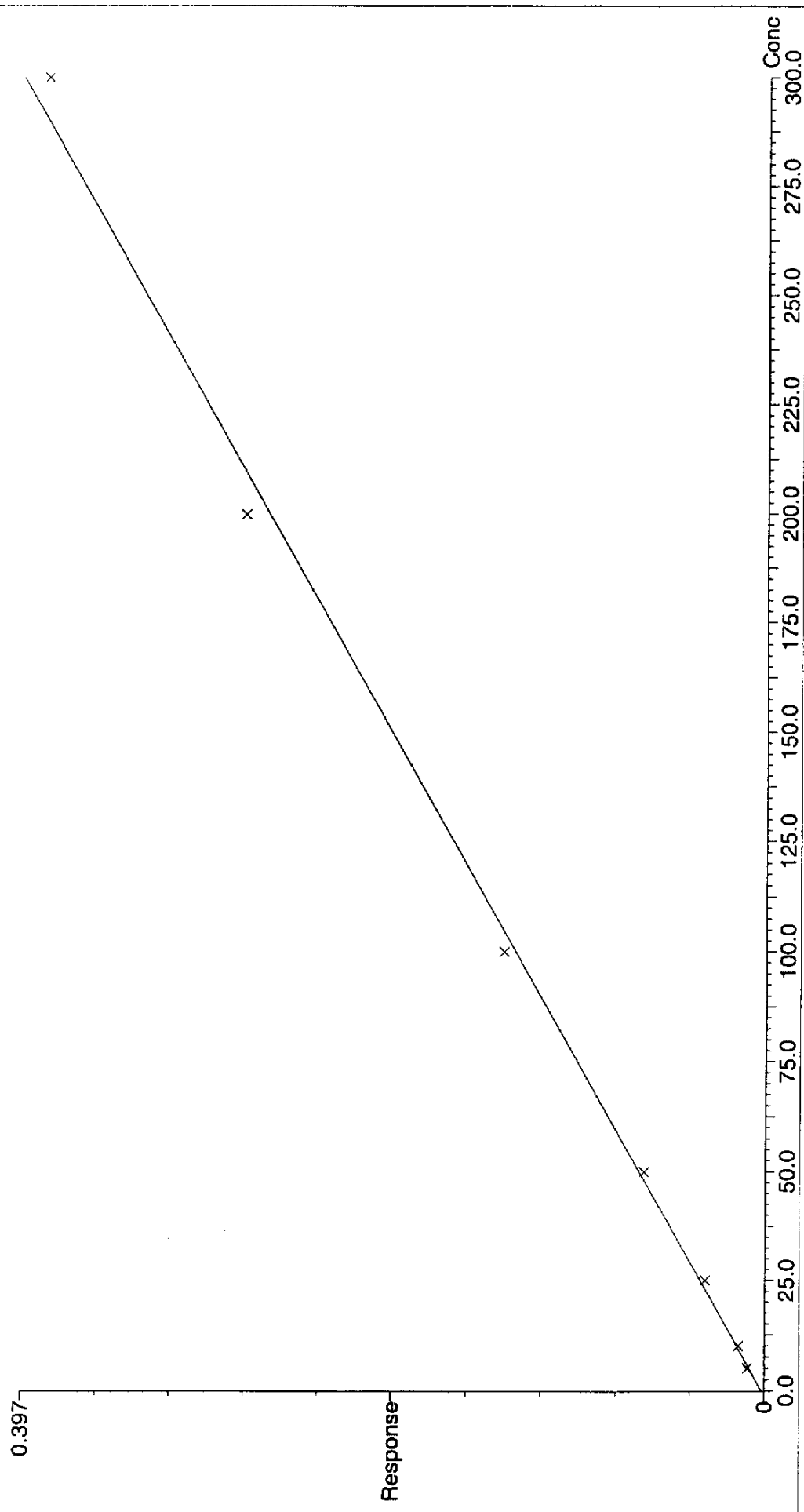
Method File: ex24f08

Coefficient of Determination: 0.996943

Calibration curve: $0.00131785 * x + 0.00148899$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

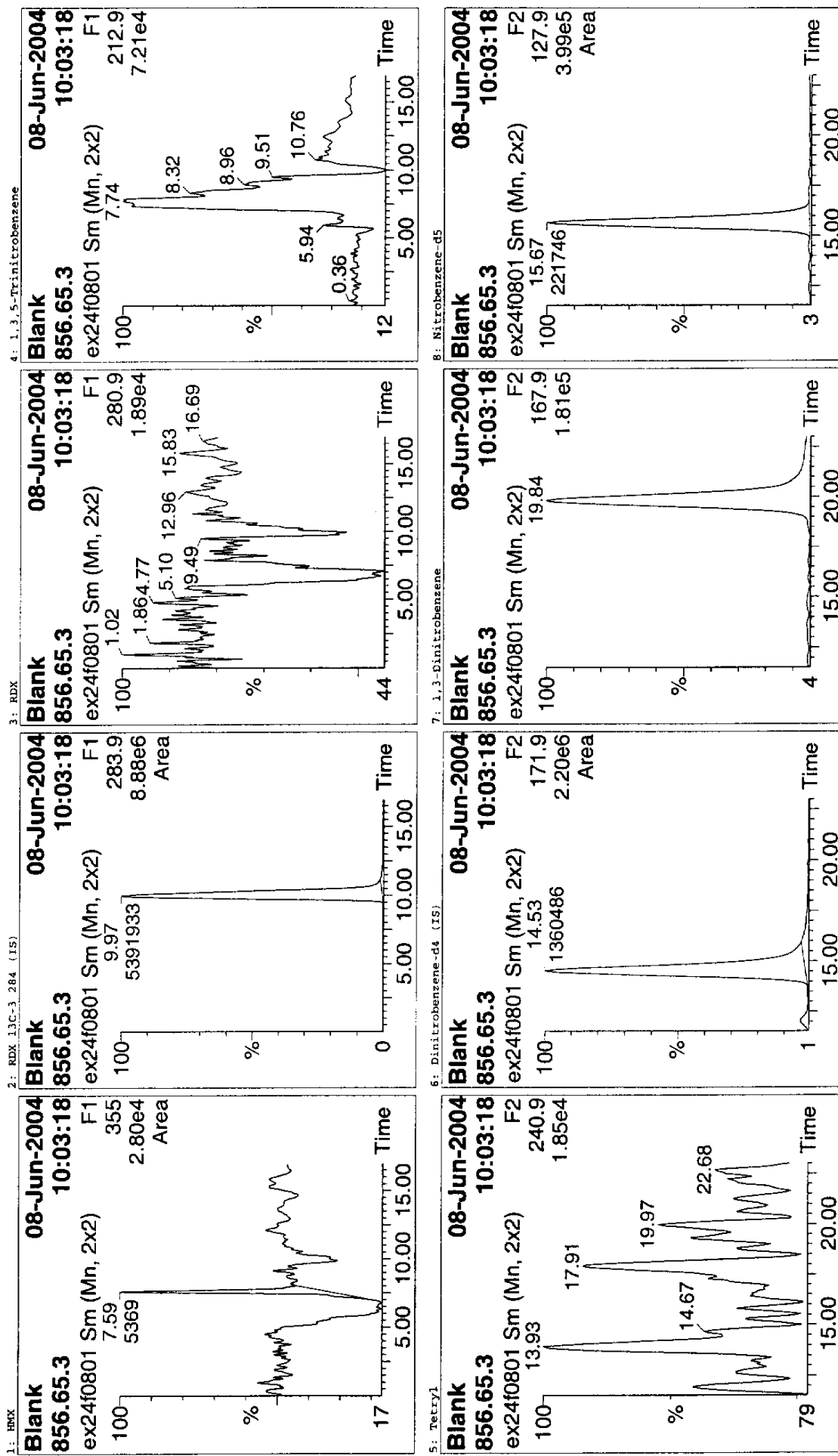
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

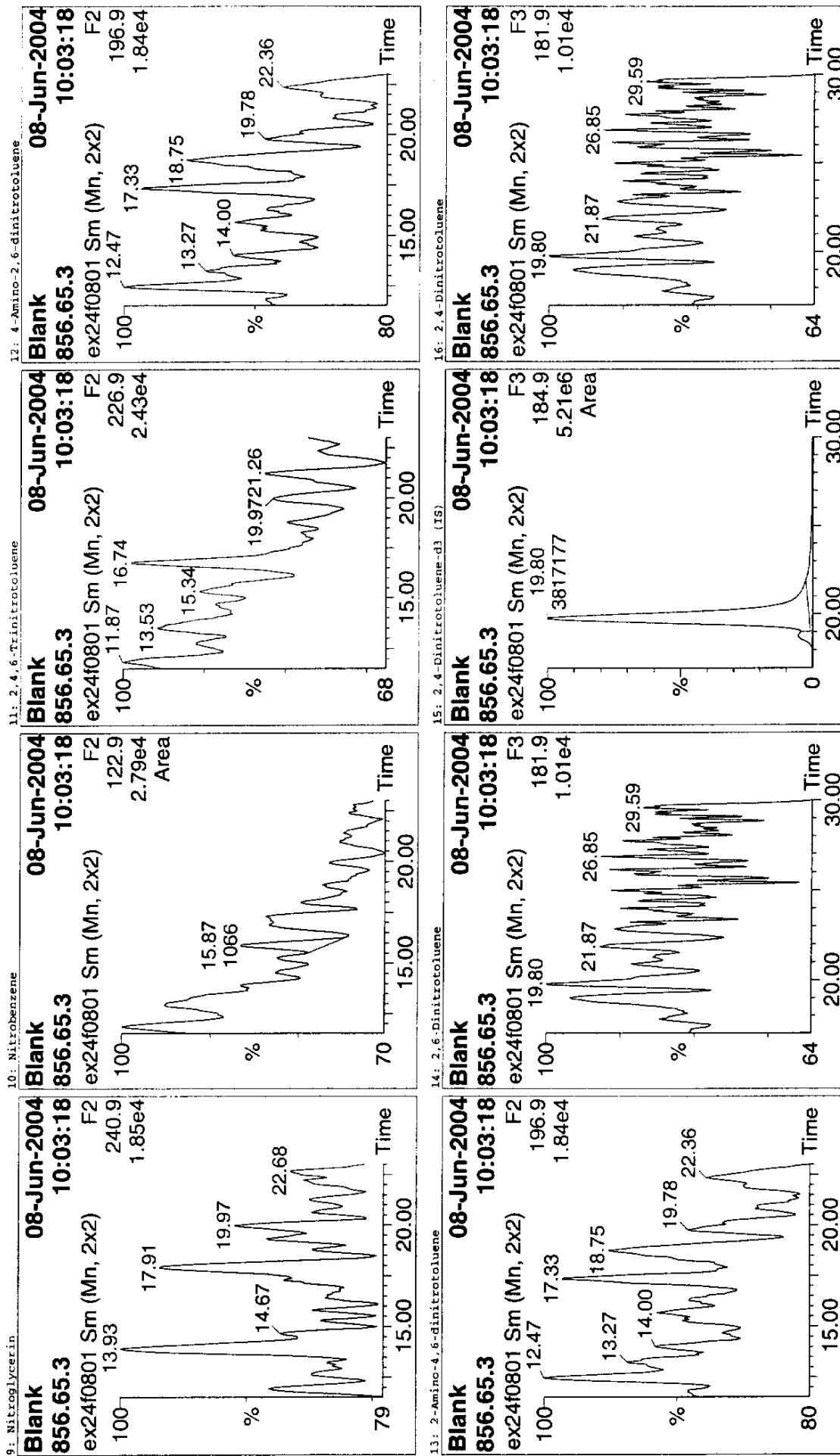
Name: ex24f0801
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Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:35 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

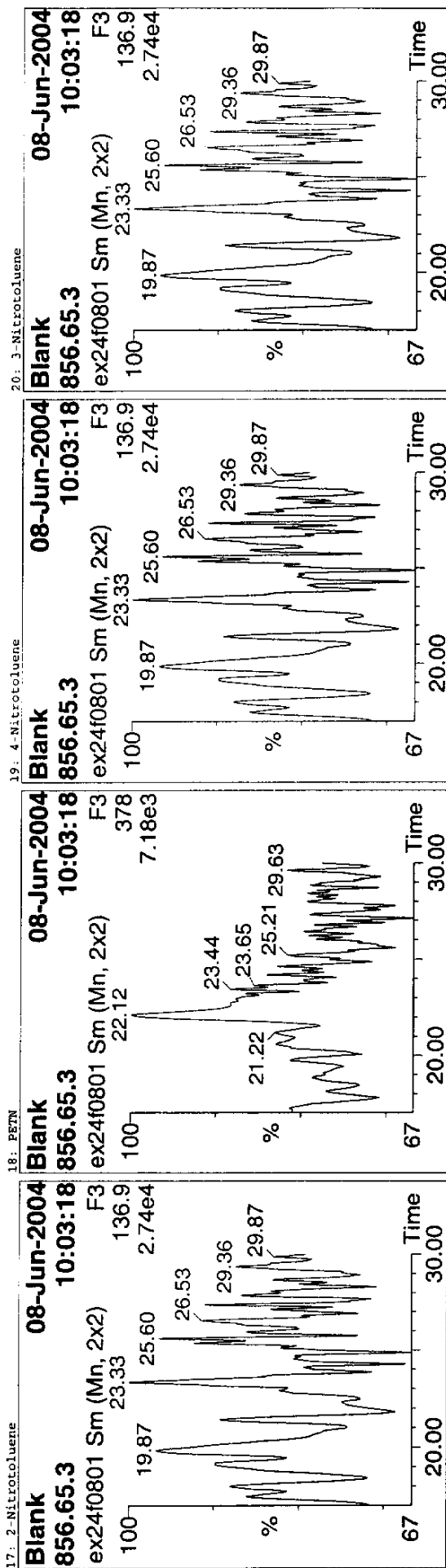
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Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0801
Text: Blank

#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	RDX	7.59	5369	5391933	0.001	bb	0.000					
2	RDX 13C-3 284 (IS)	9.97	5391933	5391933	0.001	bb	1.046	104.63				
3	RDX			5391933								
4	1,3,5-Trinitrobenzene			1360486								
5	Tetryl			1360486								
6	Dinitrobenzene-d4 (IS)	14.53	1360486	1360486	0.163	bb	1.004	100.41				
7	1,3-Dinitrobenzene			1360486								
8	Nitrobenzene-d5	15.67	221746	1360486	0.001	bb	48.841	97.68				
9	Nitroglycerin			1360486								
10	Nitrobenzene	15.87	1066	1360486	0.001	bb	0.000					
11	2,4,6-Trinitrotoluene			3817177								
12	4-Amino-2,6-dinitrotoluene			3817177								
13	2-Amino-4,6-dinitrotoluene			3817177								
14	2,6-Dinitrotoluene			3817177								
15	2,4-Dinitrotoluene-d3 (IS)	19.80	3817177	3817177	3817176	db	0.958	95.76				
16	2,4-Dinitrotoluene			3817177								
17	2-Nitrotoluene			3817177								
18	PETN			3817177								
19	4-Nitrotoluene			3817177								
20	3-Nitrotoluene			3817177								

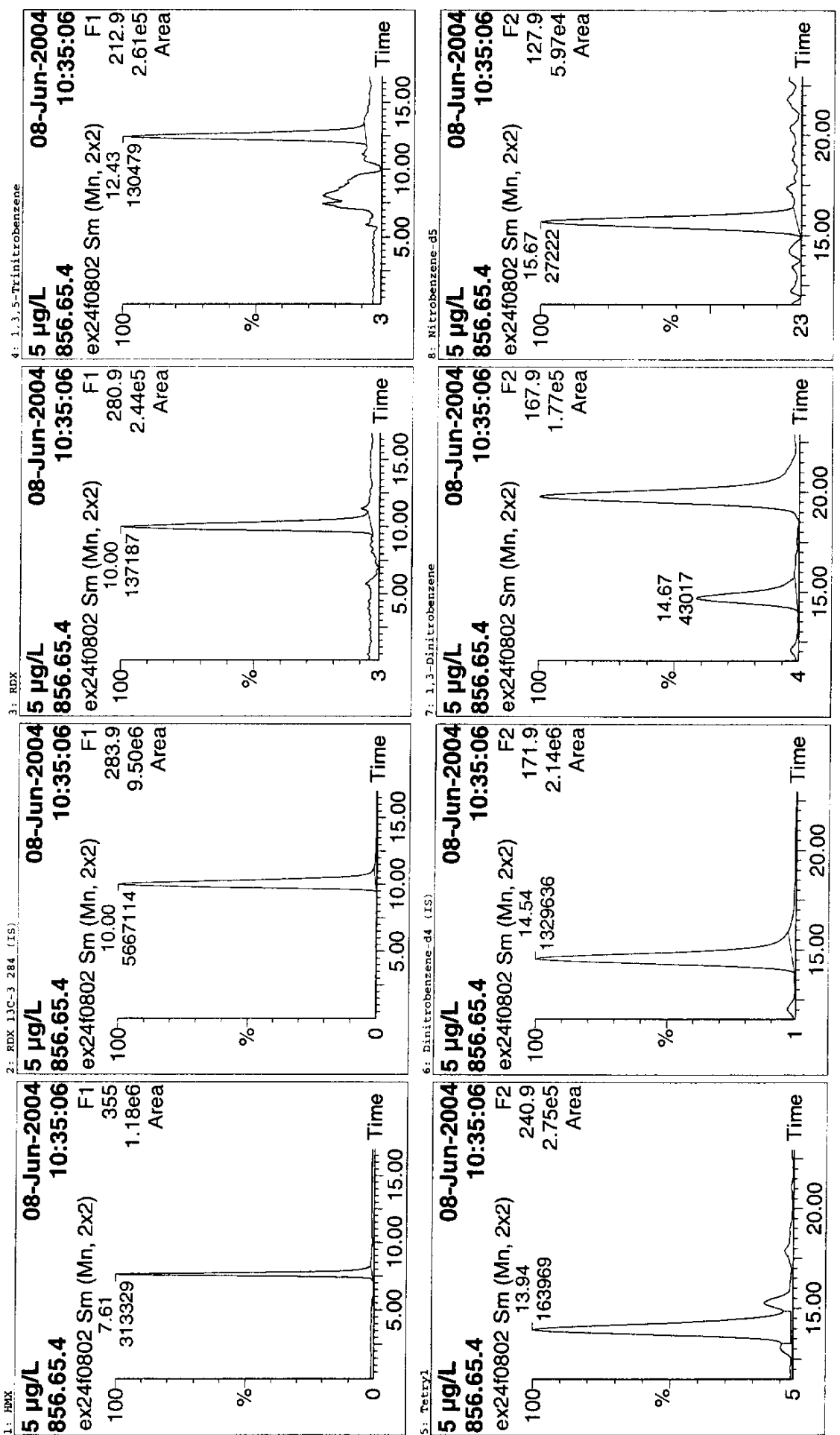
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0802
Test: 5 µg/L

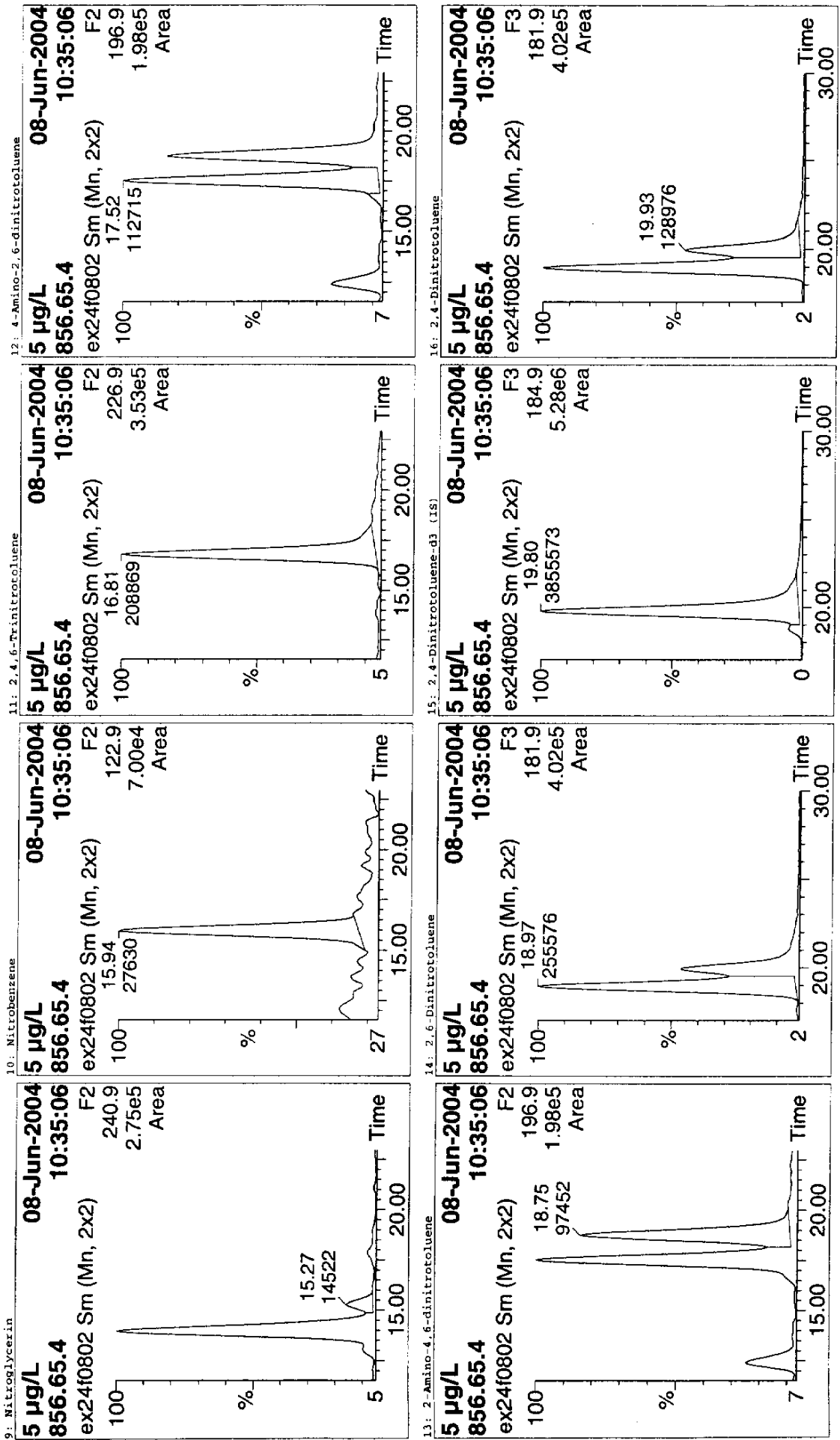


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0802
Text: 5 µg/L

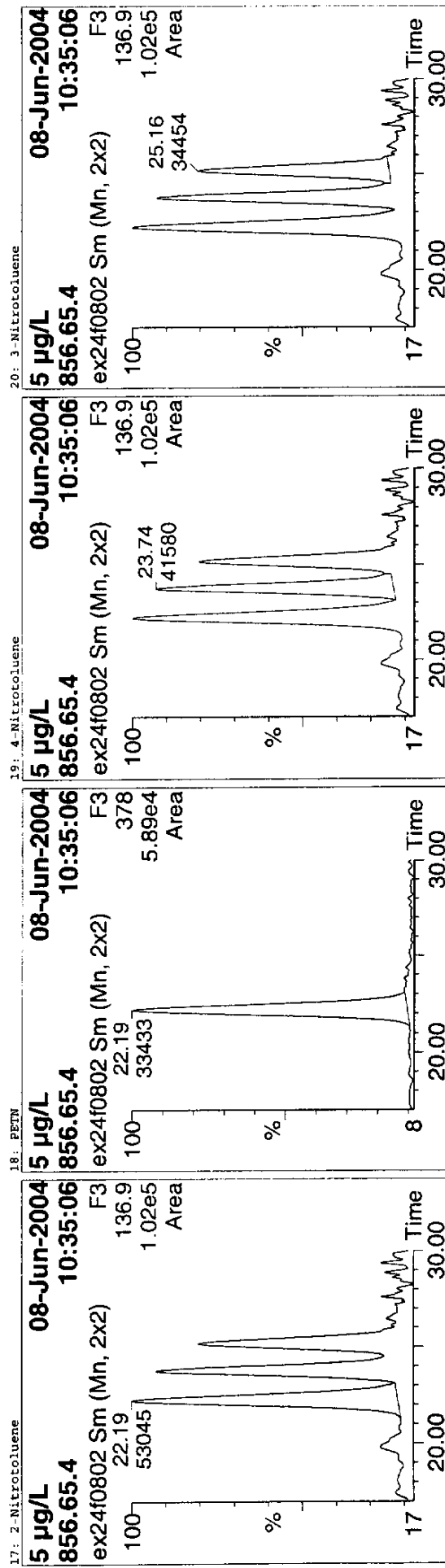


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0802
 Text: 5 µg/L



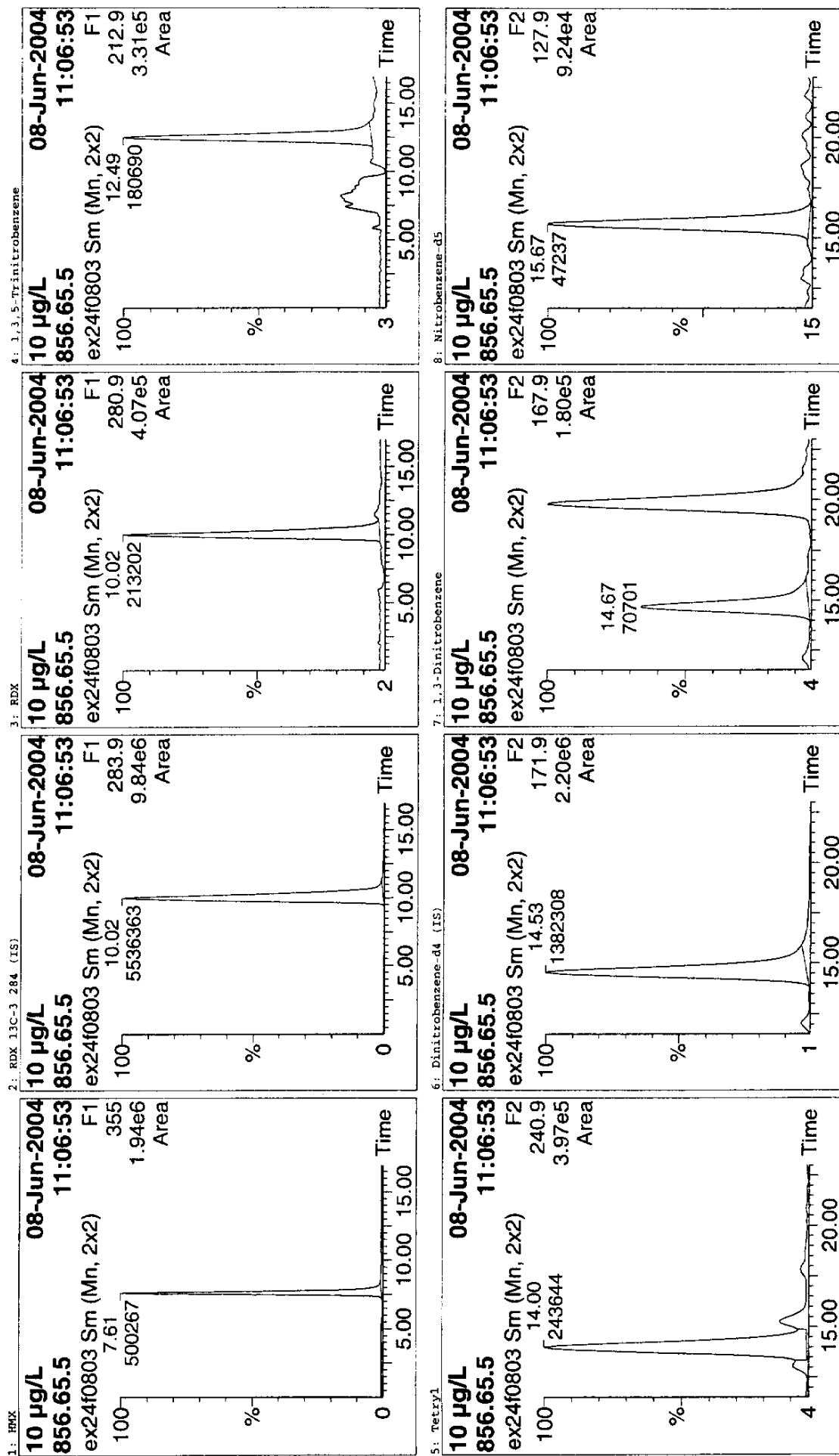
#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	HMX	7.61	313329	5667114	0.055	bb	4.275	85.49		
2	RDX 13C-3 284 (IS)	10.00	5667114	5667114	0.055	bb	1.100	109.97		
3	RDX	10.00	137187	1329636	0.024	bb	5.023	100.46		
4	1,3,5-Trinitrobenzene	12.43	130479	1329636	0.098	bb	5.325	106.50		
5	Tetryl	13.94	163869	1329636	0.123	dd	5.461	109.21		
6	Dinitrobenzene-d4 (IS)	14.54	1329636	1329636	0.032	bb	0.981	98.13		
7	1,3-Dinitrobenzene	14.67	43017	1329636	0.032	bb	5.555	111.11		
8	Nitrobenzene-d5	15.67	27222	1329636	0.020	bb	5.463	109.26		
9	Nitroglycerin	15.27	14522	1329636	0.011	db	4.444	88.88		
10	Nitrobenzene	15.94	27630	1329636	0.021	bb	5.489	109.79		
11	2,4,6-Trinitrotoluene	16.81	208869	1329636	0.157	bb	5.062	101.23		
12	4-Amino-2,6-dinitrotoluene	17.52	112715	3855573	0.029	dd	5.696	113.93		
13	2-Amino-4,6-dinitrotoluene	18.75	97452	3855573	0.025	db	4.808	96.16		
14	2,6-Dinitrotoluene	18.97	255576	3855573	0.066	bd	5.711	114.22		
15	2,4-Dinitrotoluene-d3 (IS)	19.81	3855573	3855573	0.033	db	0.967	96.72		
16	2,4-Dinitrotoluene	19.93	128876	3855573	0.014	dd	5.641	112.81		
17	2-Nitrotoluene	22.19	53045	3855573	0.009	bb	5.653	113.06		
18	PETN	22.19	33433	3855573	0.011	dd	5.251	105.01		
19	4-Nitrotoluene	23.74	41580	3855573	0.011	dd	5.493	109.87		
20	3-Nitrotoluene	25.16	34454	3855573	0.009	db	5.651	113.02		

Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

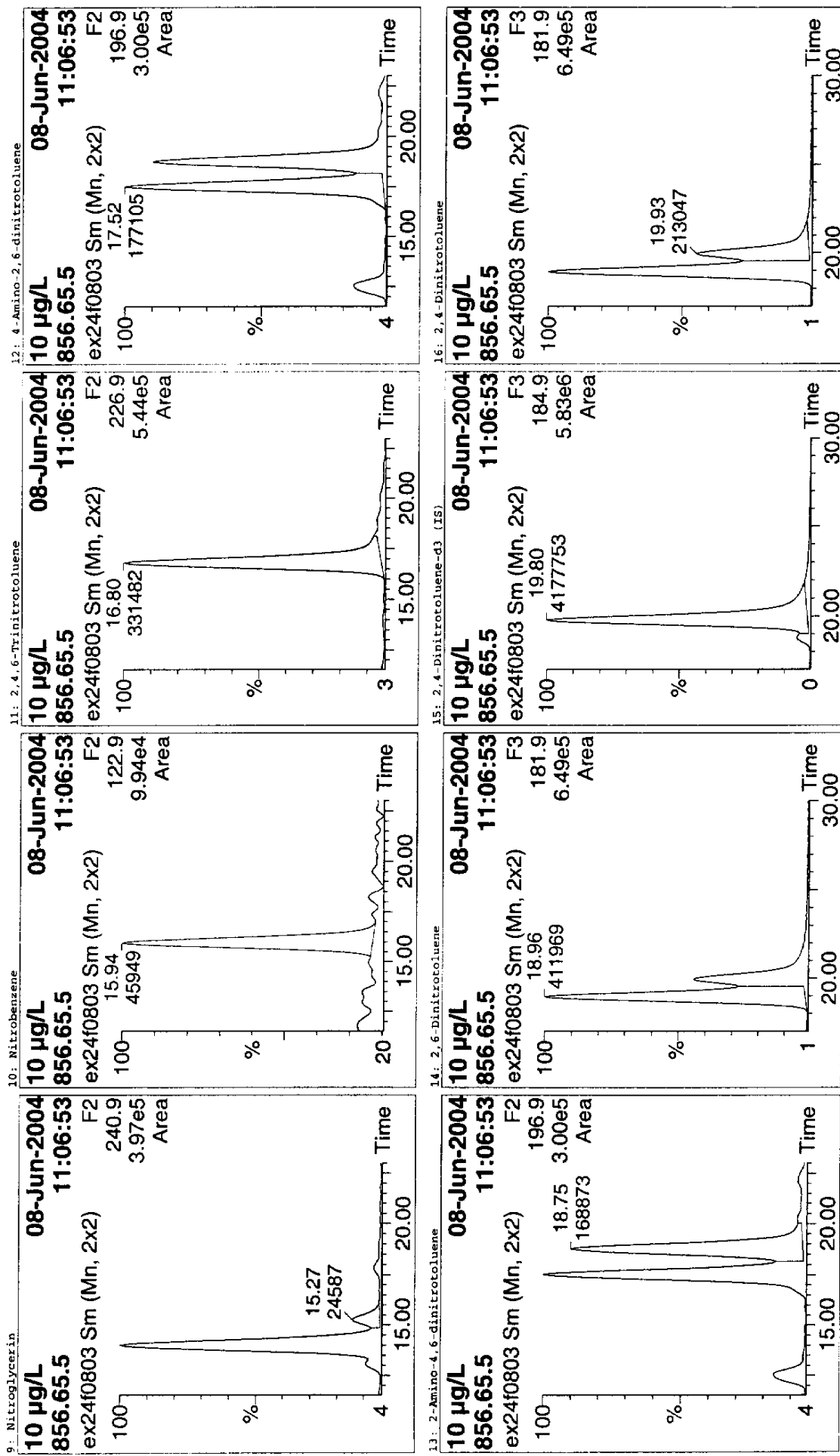
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0803
Test: 10 µg/L

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

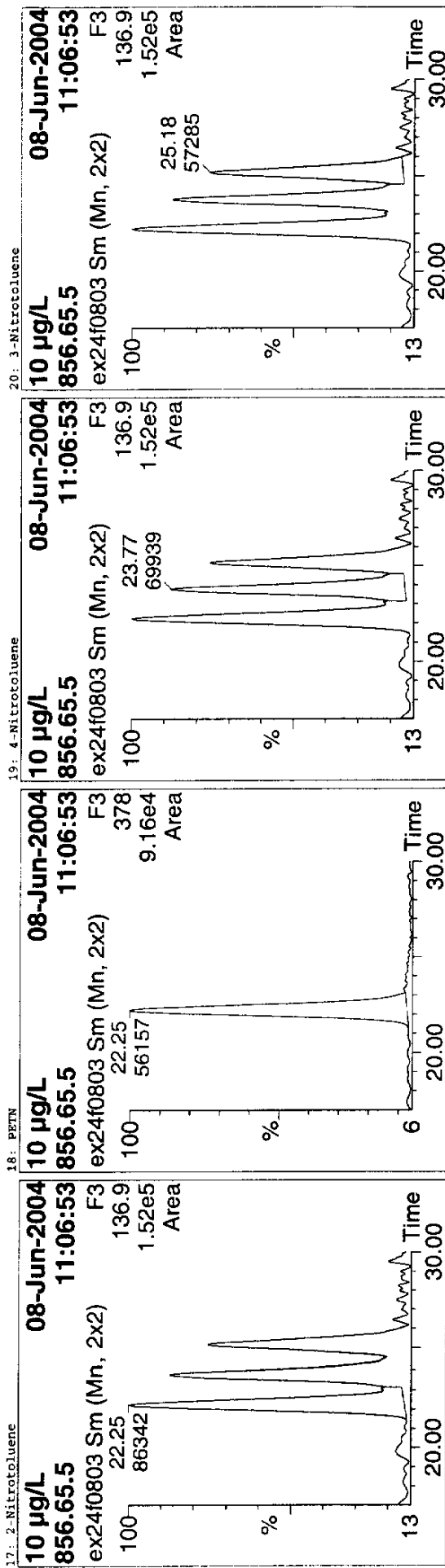
Name: ex24f0803
Text: 10 µg/L

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0803
Text: 10 µg/L

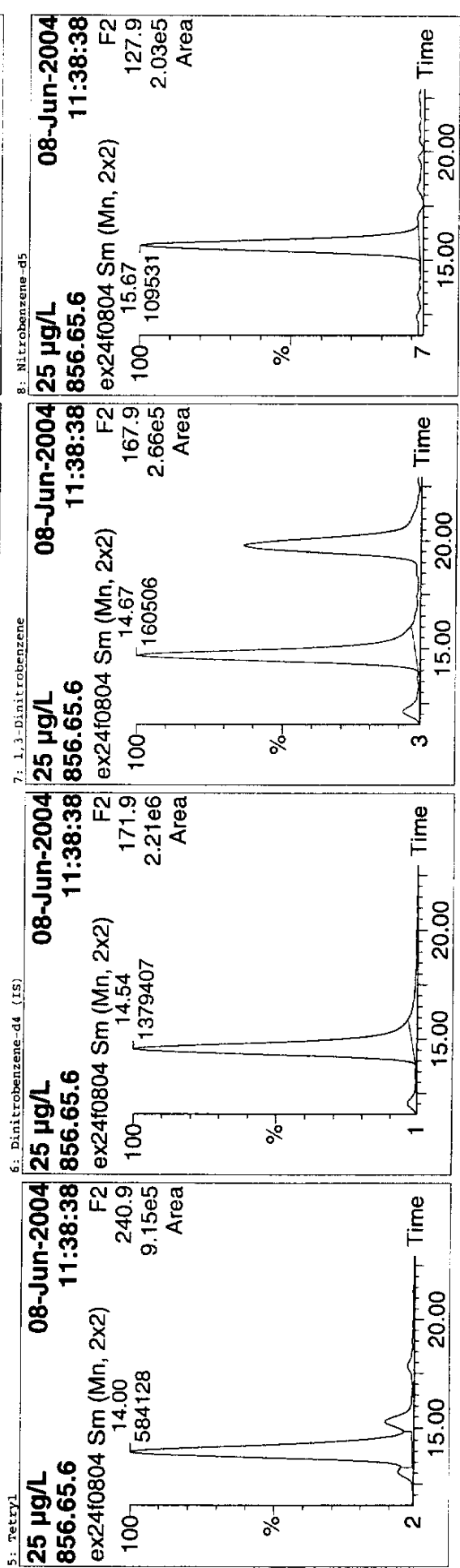
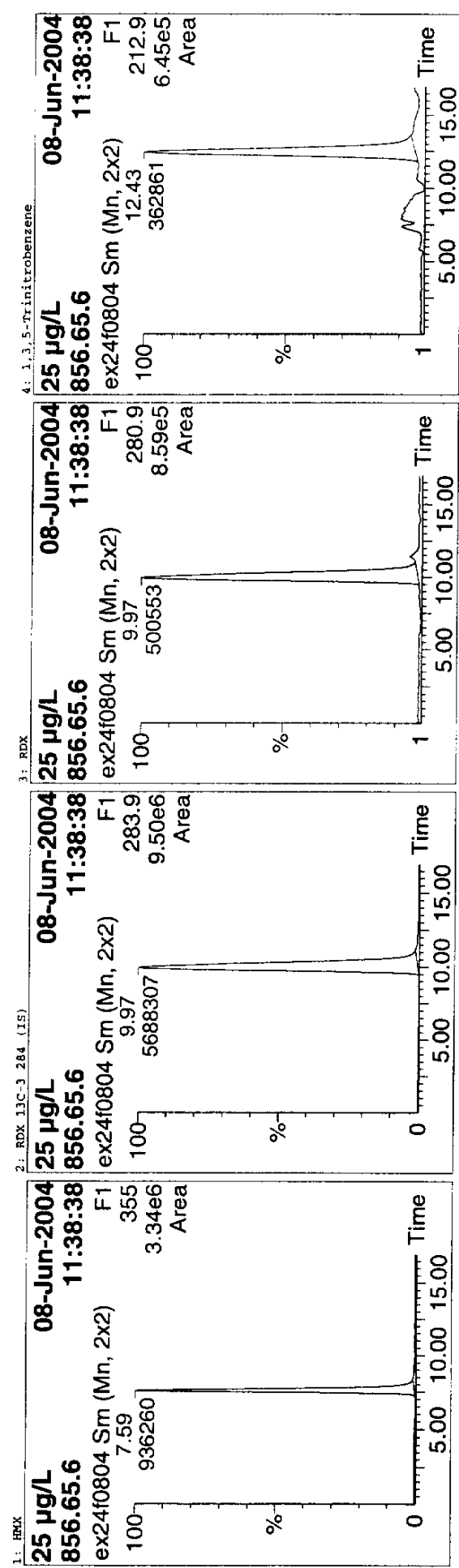


#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod. Date	Mod. Comment
1	RDX	7.61	500267	5536363	0.090	bb	11.095	110.95		
2	RDX 13C-3 284 (IS)	10.02	5536363	5536363	0.039	bb	1.074	107.43		
3	RDX	10.02	213202	5536363	0.039	bb	9.476	94.76		
4	1,3,5-Trinitrobenzene	12.49	180690	1382308	0.131	bb	9.046	90.46		
5	Tetryl	14.00	243644	1382308	0.176	dd	8.913	89.13		
6	Dinitrobenzene-d4 (IS)	14.53	1382308	1382308	0.051	bb	1.020	102.02		
7	1,3-Dinitrobenzene	14.67	70701	1382308	0.034	bb	9.554	95.54		
8	Nitrobenzene-d5	15.67	47237	1382308	0.018	ds	9.633	96.33		
9	Nitroglycerin	15.27	24587	1382308	0.018	ds	10.206	102.06		
10	Nitrobenzene	15.94	45949	1382308	0.033	bb	9.308	93.08		
11	2,4,6-Trinitrotoluene	16.80	331482	1382308	0.240	bs	9.254	92.54		
12	4-Amino-2,6-dinitrotoluene	17.52	177105	4177753	0.042	bd	9.116	91.16		
13	2-Amino-4,6-dinitrotoluene	18.75	168873	4177753	0.040	dd	9.428	94.28		
14	2,6-Dinitrotoluene	18.96	411969	4177753	0.099	bd	9.152	91.52		
15	2,4-Dinitrotoluene-d3 (IS)	19.80	4177753	4177753	0.051	db	1.048	104.81		
16	2,4-Dinitrotoluene	19.93	213047	4177753	0.051	db	9.259	92.59		
17	2-Nitrotoluene	22.25	86342	4177753	0.021	bd	9.204	92.04		
18	PBTN	22.25	56157	4177753	0.013	bb	9.296	92.96		
19	4-Nitrotoluene	23.77	69939	4177753	0.017	dd	9.310	93.10		
20	3-Nitrotoluene	25.18	57285	4177753	0.014	db	9.275	92.75		

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

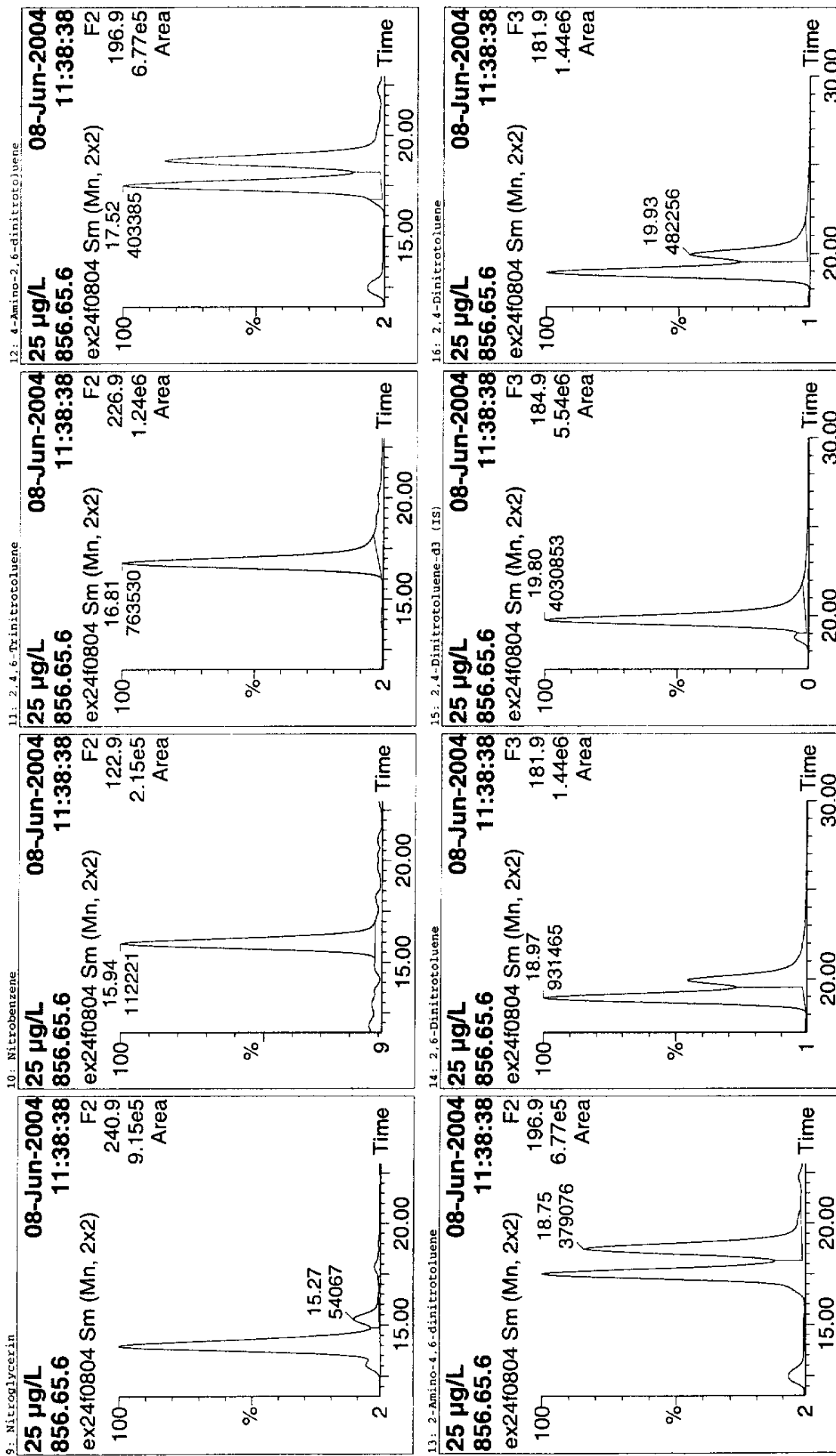
Name: ex24f0804
 Text: 25 µg/L



Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

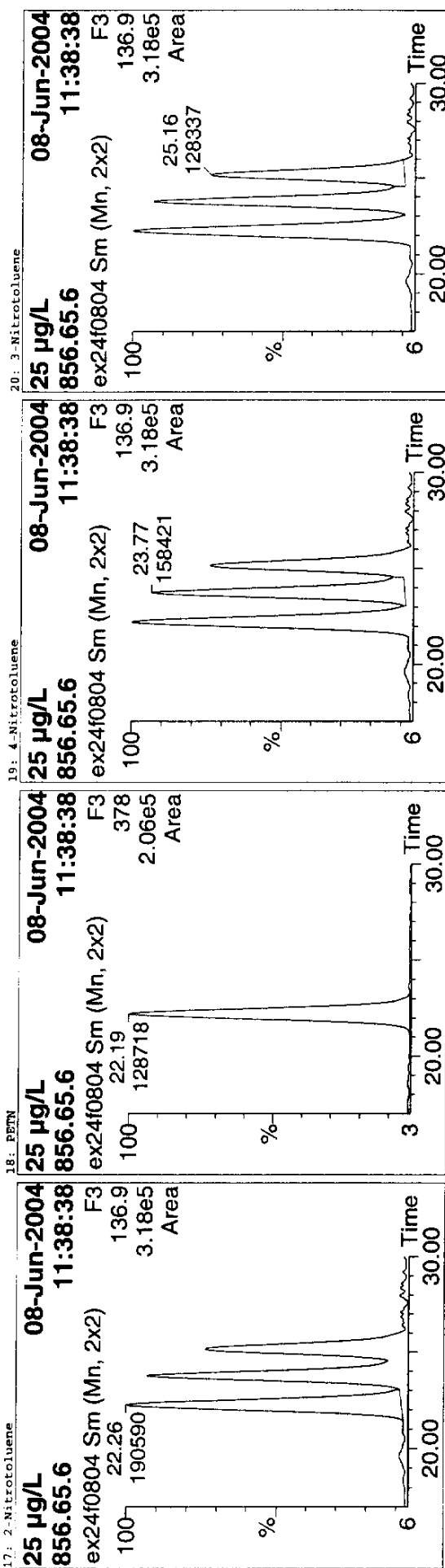
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Text: 25 µg/L

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 06:52:26 2004

Name: ex24f0804
Text: 25 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX	7.59	936260	5688307	0.165	bb	25.974	103.90				
2	DX 13C-3 284 (IS)	9.37	5688307	5688307	0.088	bb	1.104	110.38				
3	DX	9.97	500553	5688307	0.263	bb	24.884	99.54				
4	1,3,5-Trinitrobenzene	12.43	362861	1379407	0.423	dd	24.302	97.21				
5	Tetryl	14.00	584128	1379407	0.116	bs	25.240	100.96				
6	Dinitrobenzene-d4 (IS)	14.54	1379407	1379407	0.079	bb	1.018	101.81				
7	1,3-Dinitrobenzene	14.67	160506	1379407	0.079	bb	23.430	93.72				
8	Nitrobenzene-d5	15.67	109531	1379407	0.079	bb	23.400	93.60				
9	Nitroglycerin	15.27	54067	1379407	0.039	ds	28.835	115.34				
10	Nitrobenzene	15.94	112221	1379407	0.081	bb	24.055	86.22				
11	2,4,6-Trinitrotoluene	16.81	763530	1379407	0.554	bb	25.155	100.62				
12	4-Amino-2,6-dinitrotoluene	17.52	403385	4030853	0.100	dd	24.107	96.43				
13	2-Amino-4,6-dinitrotoluene	18.75	379076	4030853	0.094	db	25.785	103.14				
14	2,6-Dinitrotoluene	18.97	911465	4030853	0.231	bd	23.254	93.02				
15	2,4-Dinitrotoluene-d3 (IS)	19.81	4030853	4030853	0.120	db	1.011	101.12				
16	2,4-Dinitrotoluene	19.93	482256	4030853	0.047	bd	23.419	93.68				
17	2-Nitrotoluene	22.26	190590	4030853	0.032	bb	22.886	91.54				
18	PETN	22.19	128718	4030853	0.032	bb	25.410	101.64				
19	4-Nitrotoluene	23.77	158421	4030853	0.039	dd	23.766	95.06				
20	3-Nitrotoluene	25.16	128337	4030853	0.032	db	23.030	92.12				

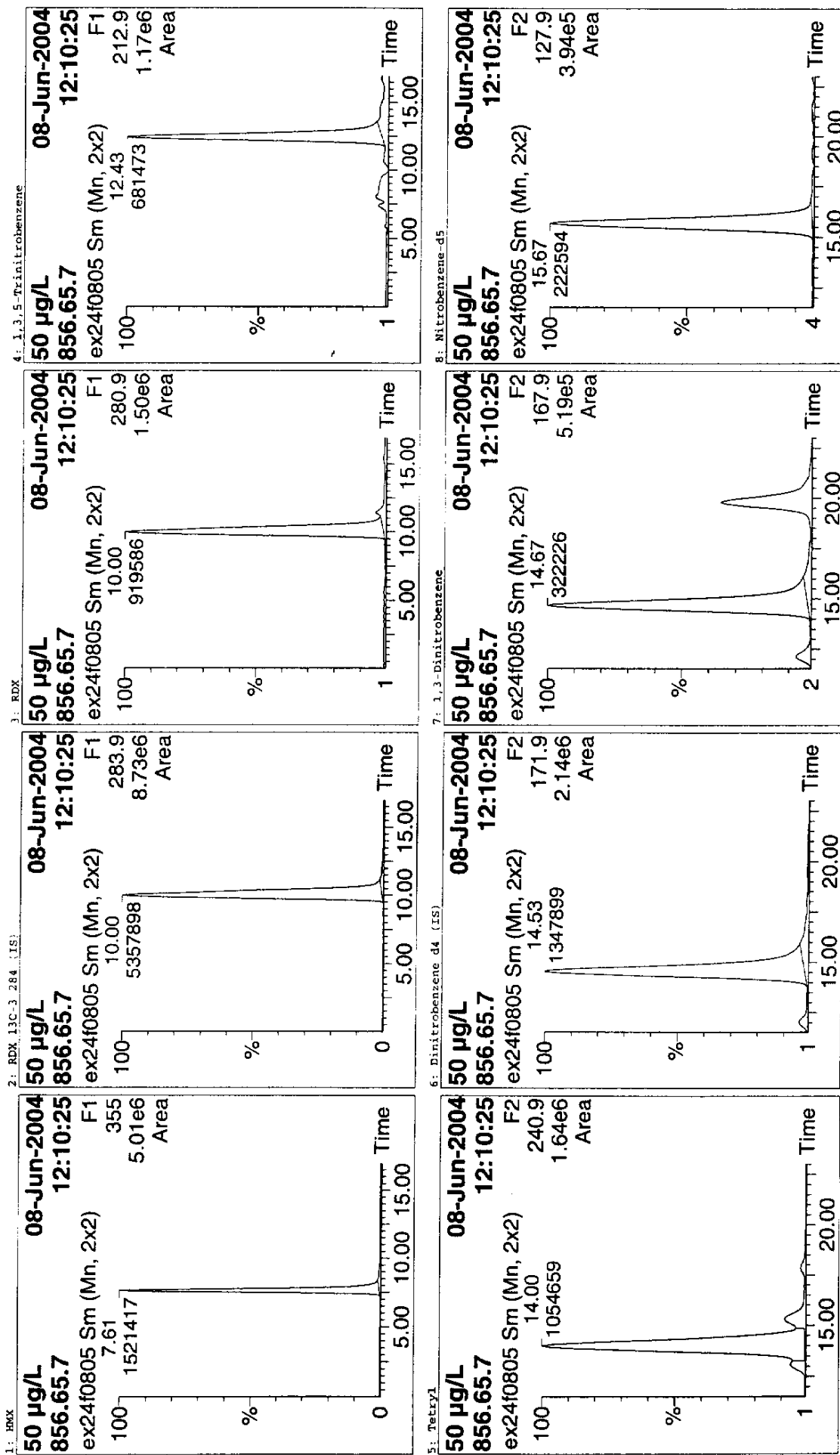
Analyst: Mark Dynarski

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0805
 Text: 50 µg/L

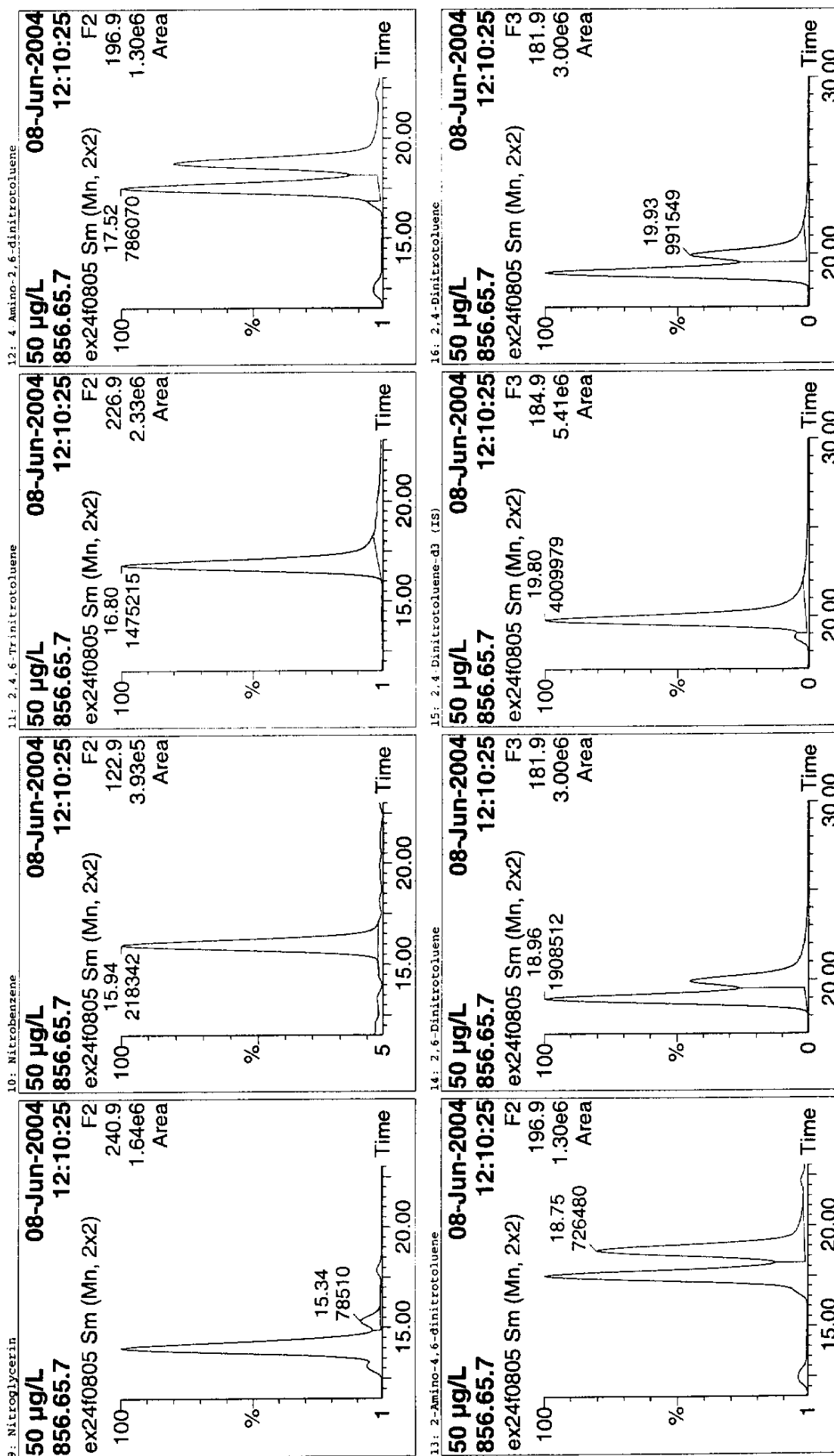


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0805
Text: 50 µg/L

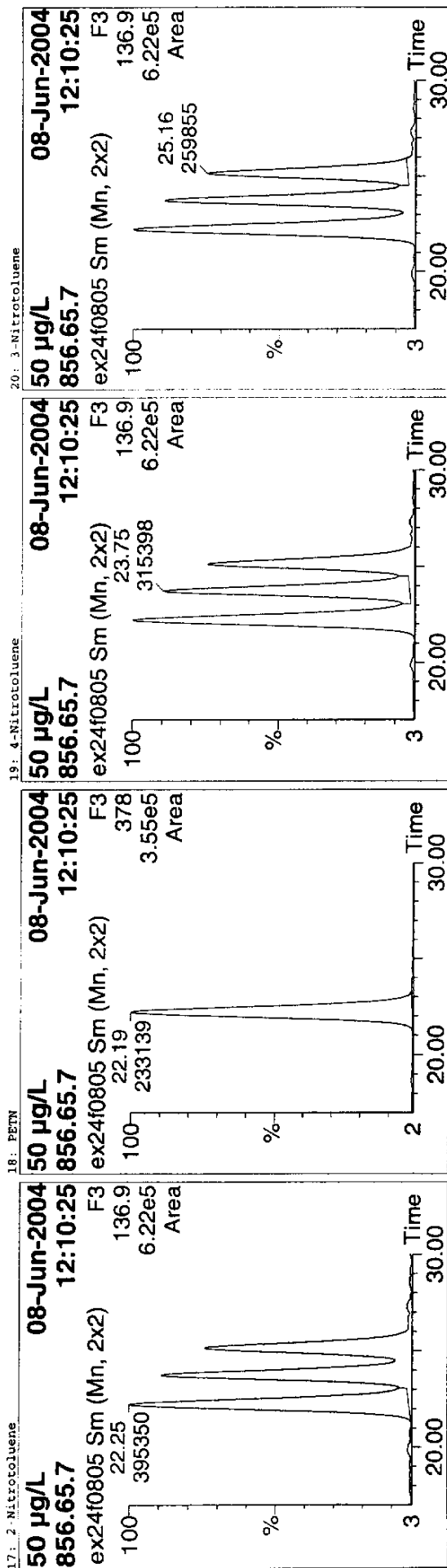


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0805
Test: 50 µg/L



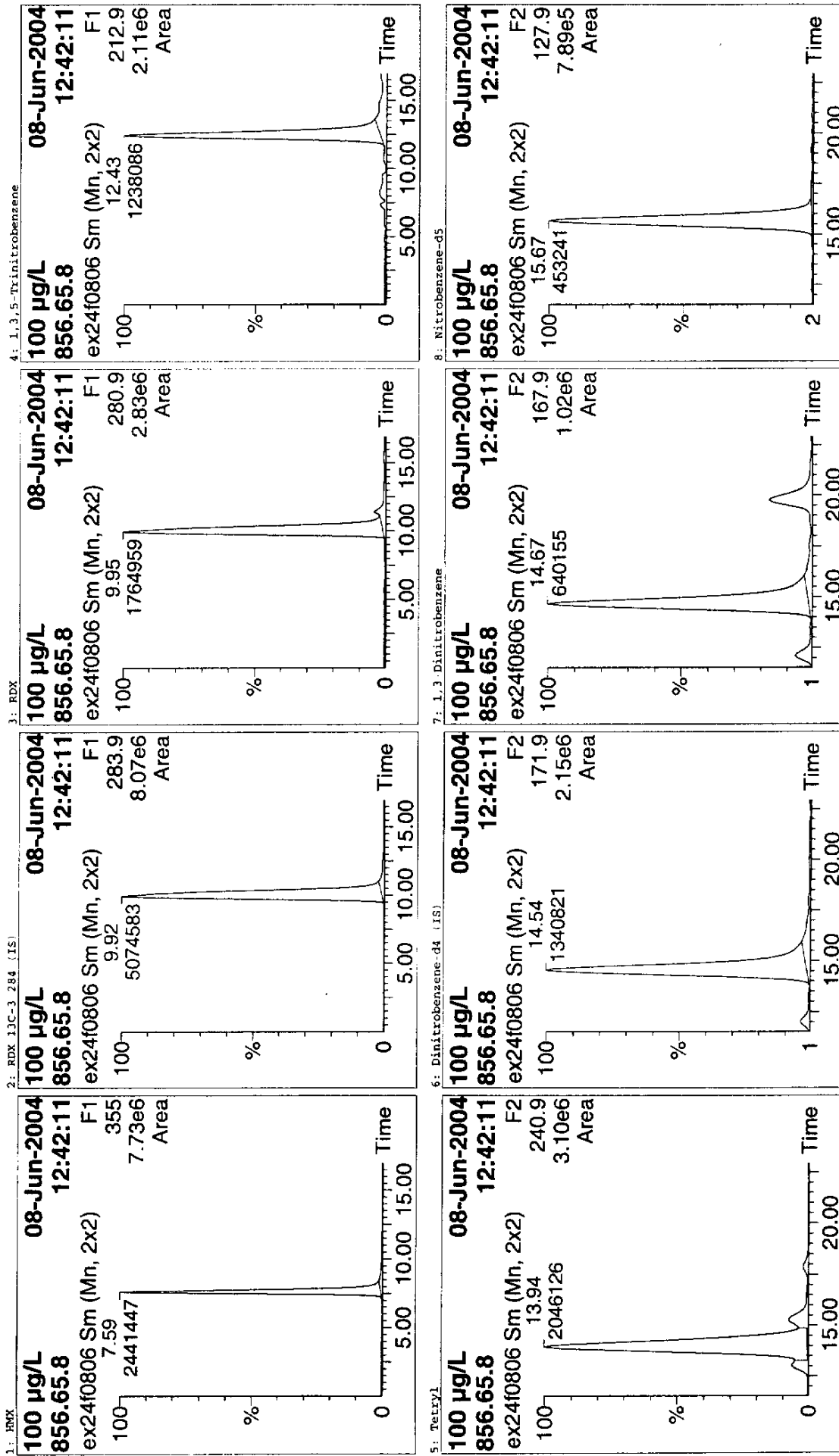
#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX	7.61	152117	5357898	0.284	bb	51.345	102.69				
2	RDX 13C-3 284 (IS)	10.00	5357898	5357897	0.172	bb	1.040	103.97				
3	RDX	10.00	919586	5357898	0.172	bb	50.923	101.85				
4	1,3,5-Trinitrobenzene	12.43	681473	1347899	0.506	bb	52.877	105.75				
5	Tetryl	14.00	1054659	1347899	0.782	dd	49.597	99.19				
6	Dinitrobenzene-d4 (IS)	14.53	1347899	1347899	0.995	bb	0.995	99.48				
7	1,3-Dinitrobenzene	14.67	322226	1347899	0.239	bb	49.537	99.07				
8	Nitrobenzene-d5	15.67	222594	1347899	0.165	bb	49.495	98.99				
9	Nitroglycerin	15.34	78510	1347899	0.165	bb	46.371	92.74				
10	Nitrobenzene	15.94	218342	1347899	0.058	db	48.769	97.54				
11	2,4,6-Trinitrotoluene	16.80	1475215	1347899	1.094	bs	52.572	105.14				
12	4-Amino-2,6-dinitrotoluene	17.52	786070	4009979	0.196	dd	49.044	98.09				
13	2-Amino-4,6-dinitrotoluene	18.75	726480	4009979	0.181	db	52.361	104.72				
14	2,6-Dinitrotoluene	18.96	1908512	4009979	0.476	bd	49.320	98.64				
15	2,4-Dinitrotoluene-d3 (IS)	19.80	4009979	4009979	0.998	bb	1.006	100.60				
16	2,4-Dinitrotoluene	19.93	991549	4009979	0.247	db	49.746	99.49				
17	2-Nitrotoluene	22.25	395350	4009979	0.099	bd	49.260	98.52				
18	PETN	22.19	233139	4009979	0.058	bb	49.584	99.17				
19	4-Nitrotoluene	23.75	315398	4009979	0.079	dd	48.981	97.96				
20	3-Nitrotoluene	25.16	259855	4009979	0.065	db	48.043	96.09				

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0806
Text: 100 µg/L



Quantify Sample Report

Page 17

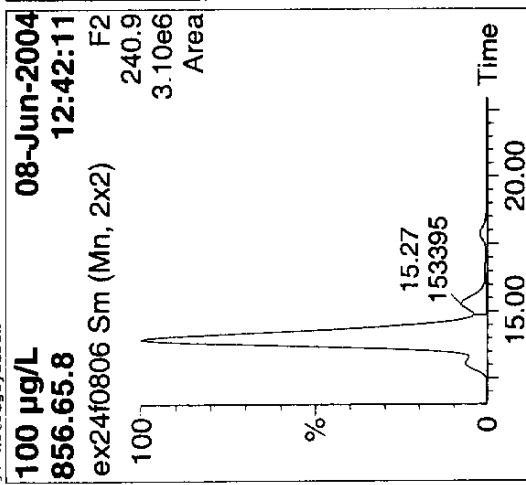
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

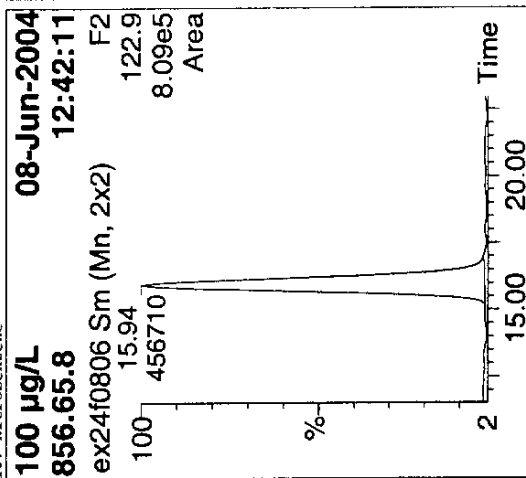
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0806
 Text: 100 µg/L

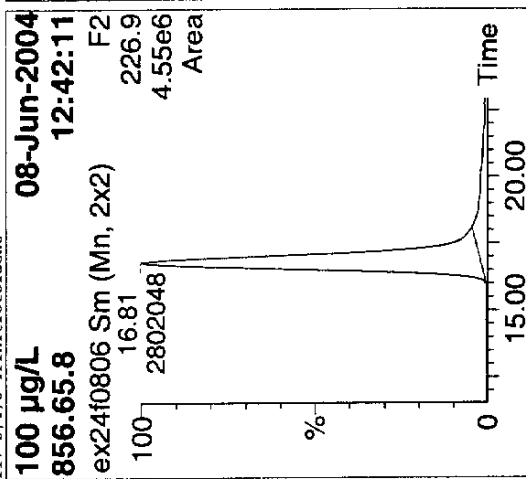
9: Nitroglycerin



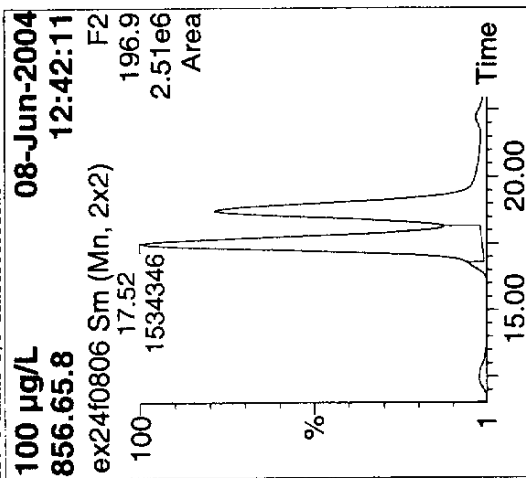
10: Nitrobenzene



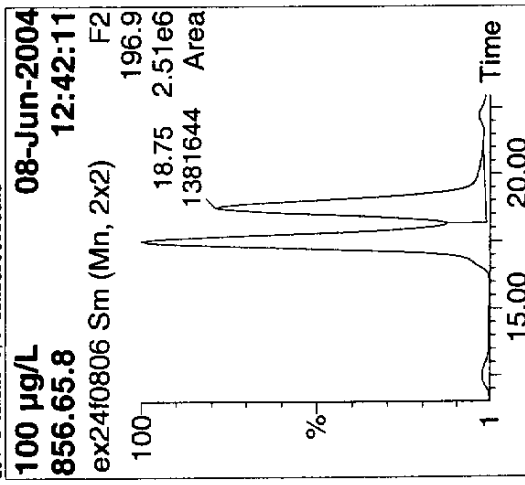
11: 2,4,6-Trinitrotoluene



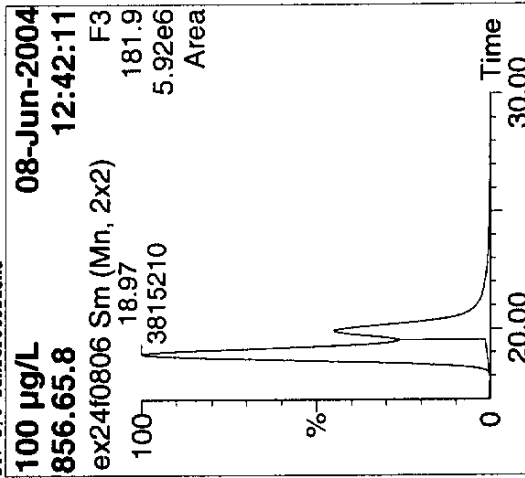
12: 4-Amino-2,6-dinitrotoluene



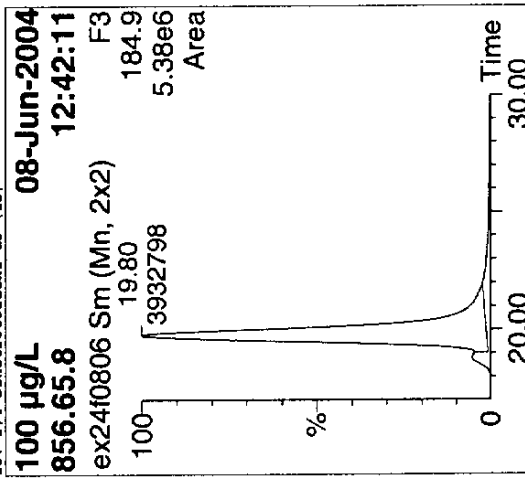
13: 2-Amino-4,6-dinitrotoluene



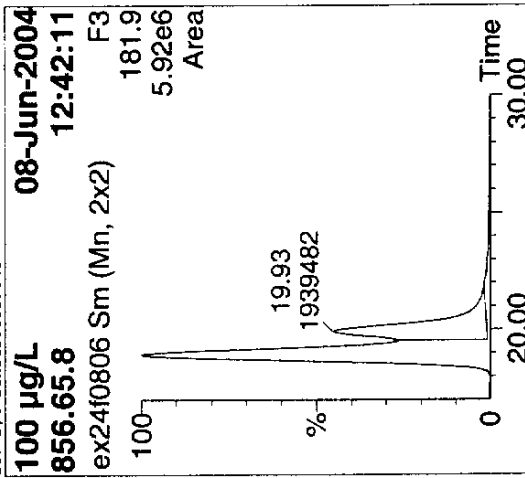
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene

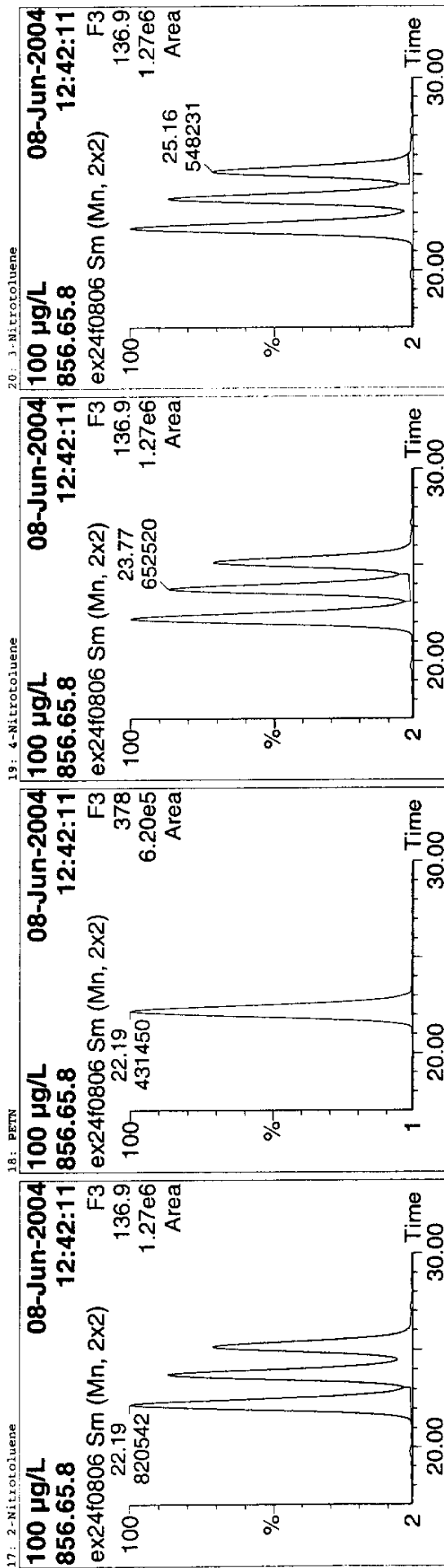


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:53:26 2004

Name: ex24f0806
 Text: 100 µg/L

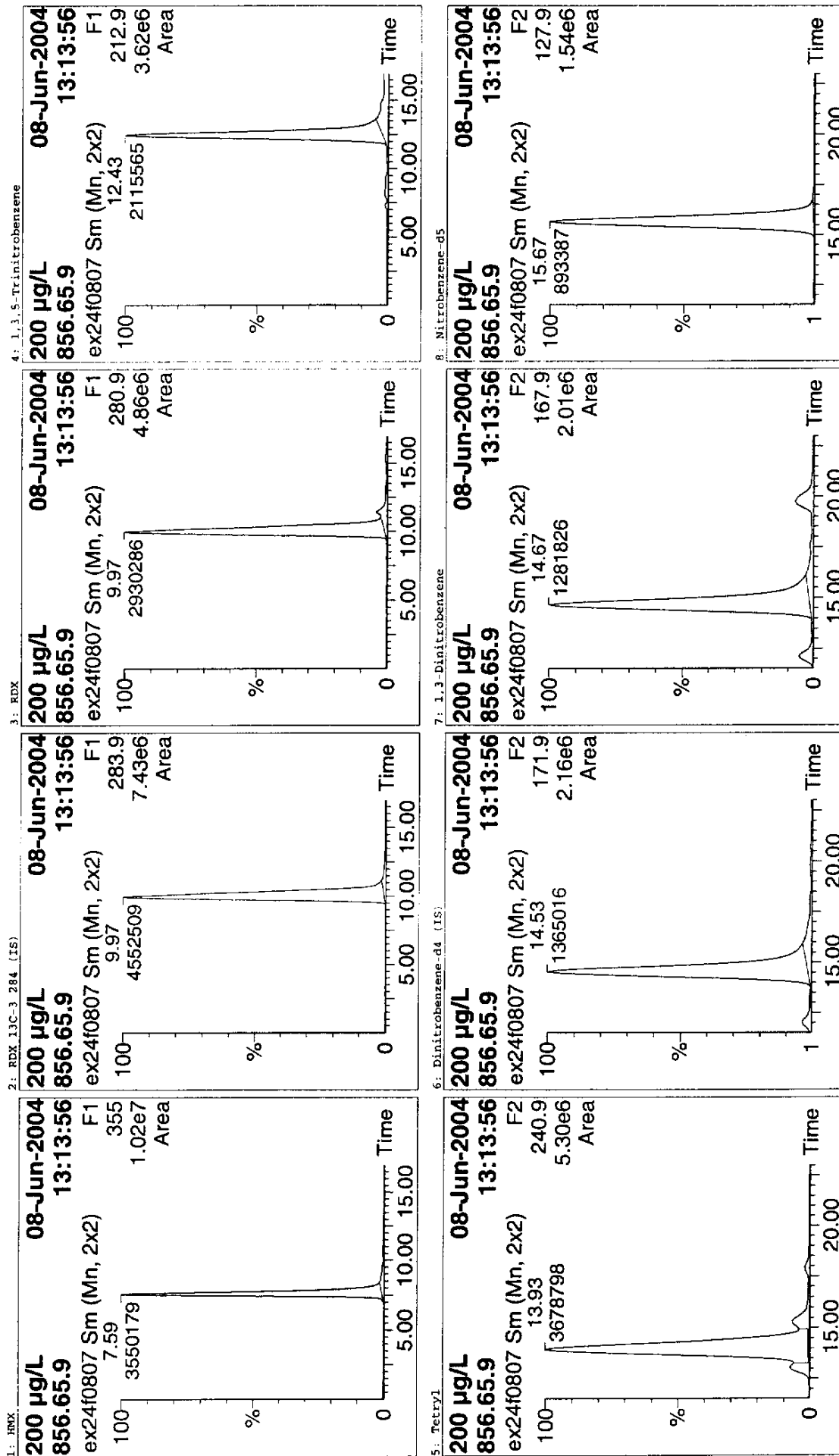


#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod. Date	Mod. Comment
1	RDX	7.59	2441447	5074583	0.481	bb	98.359	98.36		
2	RDX 13C-3 284 (IS)	9.92	5074583	5074582	0.481	bb	98.359	98.36		
3	RDX	9.95	1764959	5074583	0.348	bb	105.774	105.77		
4	1,3,5-Trinitrobenzene	12.43	1238086	1340821	0.923	bb	104.161	104.16		
5	Tetryl	13.94	2046126	1340821	1.526	dd	102.822	102.82		
6	Dinitrobenzene-d4 (IS)	14.54	1340821	1340821	0.477	bb	100.257	100.26		
7	1,3-Dinitrobenzene	14.67	640155	1340821	0.338	bb	102.118	102.12		
8	Dinitrobenzene-d5	15.67	453241	1340821	0.114	de	105.262	105.26		
9	Nitroglycerin	15.27	153395	1340821	0.341	bb	103.520	103.52		
10	Nitrobenzene	15.94	456710	1340821	2.090	bb	103.021	103.02		
11	2,4,6-Trinitrotoluene	16.81	2802048	1340821	0.351	dd	99.492	99.49		
12	8-Amino-2,6-dinitrotoluene	17.52	1534346	3932798	0.351	dd	104.262	104.26		
13	2-Amino-4,6-dinitrotoluene	18.75	1381644	3932798	0.970	bd	101.924	101.92		
14	2,6-Dinitrotoluene	18.97	3815210	3932798	0.493	db	100.466	100.47		
15	2,4-Dinitrotoluene-d3 (IS)	19.81	3932798	3932798	0.209	bd	105.828	105.83		
16	2,4-Dinitrotoluene	19.93	1933482	3932798	0.110	bb	103.203	103.20		
17	2-Nitrotoluene	22.19	820542	3932798	0.166	dd	104.895	104.90		
18	PETN	22.19	431450	3932798	0.139	db	104.649	104.65		
19	4-Nitrotoluene	23.77	652520	3932798						
20	3-Nitrotoluene	25.16	548231	3932798						

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

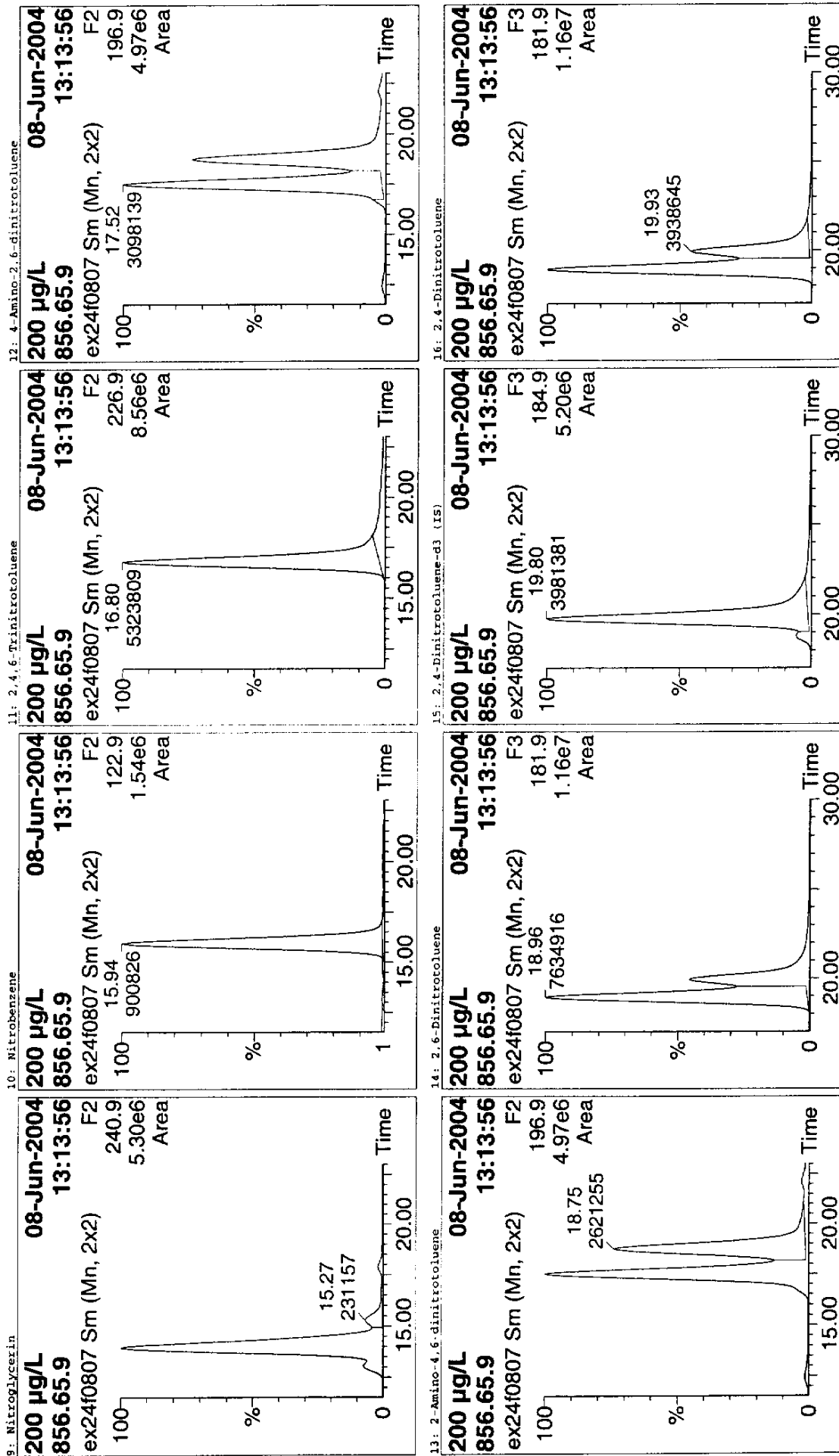
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0807
Text: 200 µg/L

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

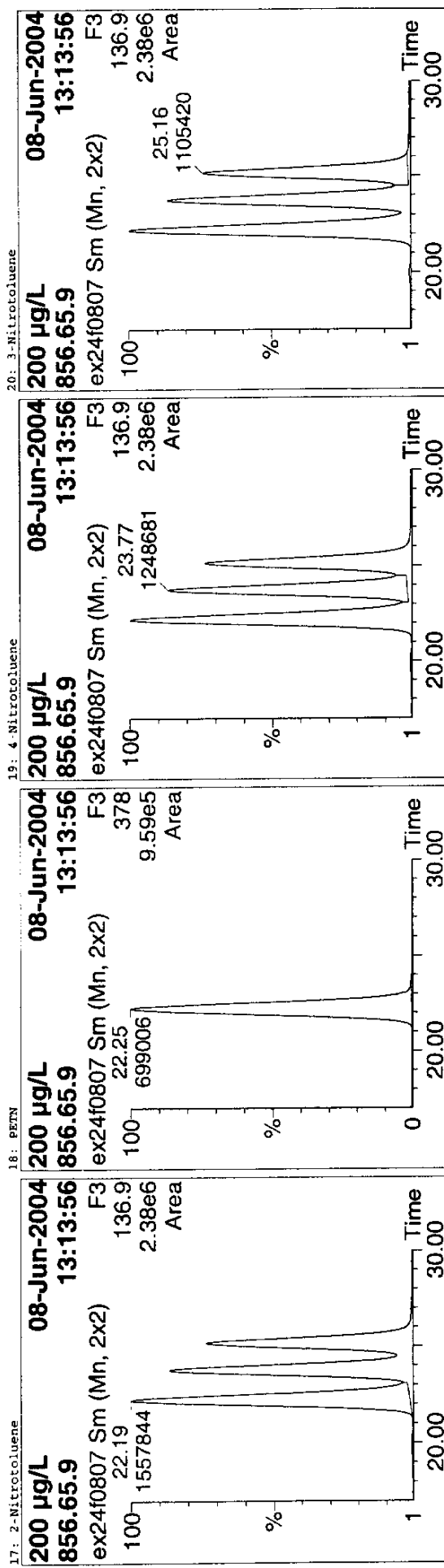
Name: ex24f0807
Text: 200 µg/L

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0807
Text: 200 µg/L



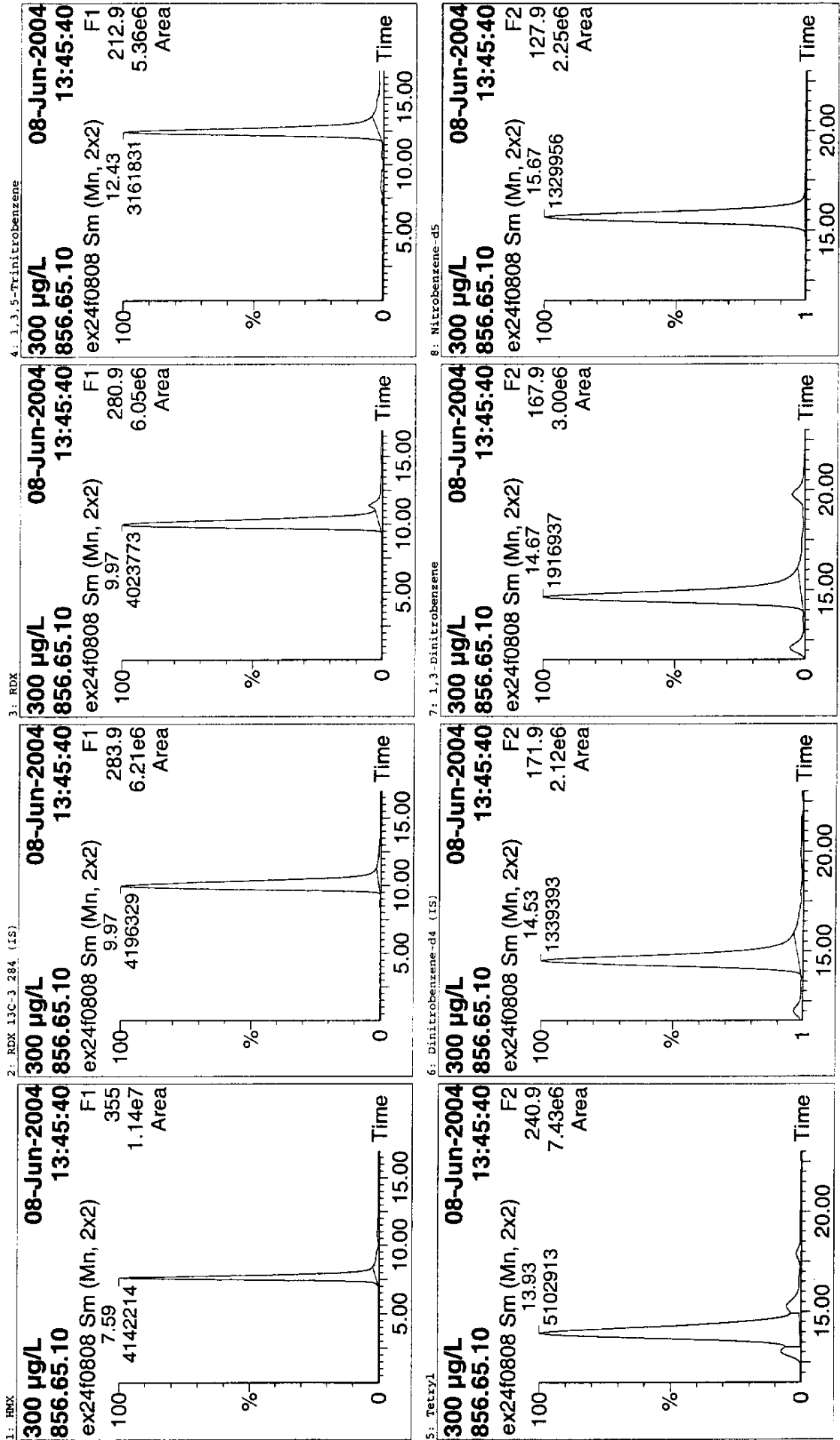
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0808
Text: 300 µg/L

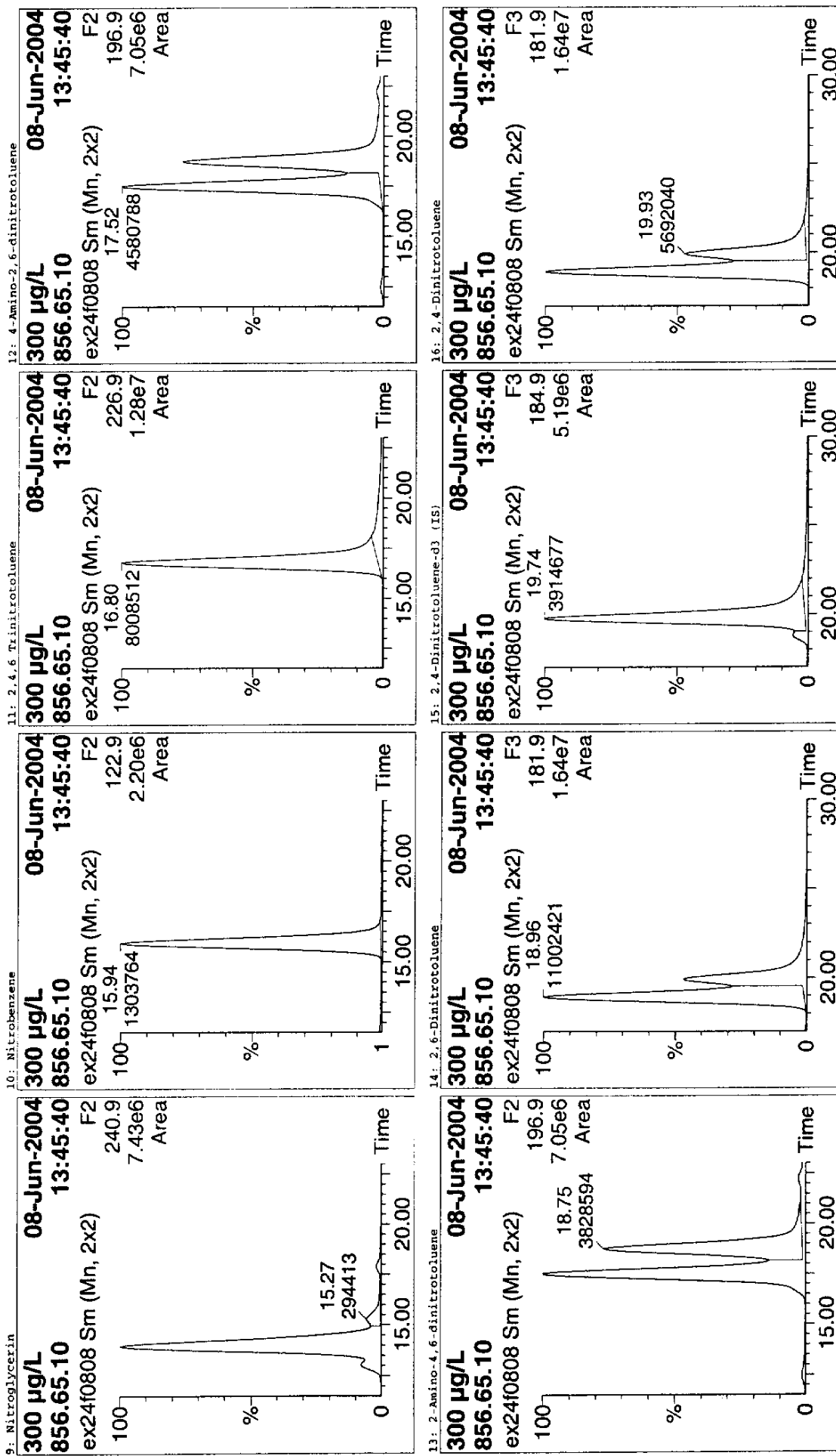


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0808
Text: 300 µg/L

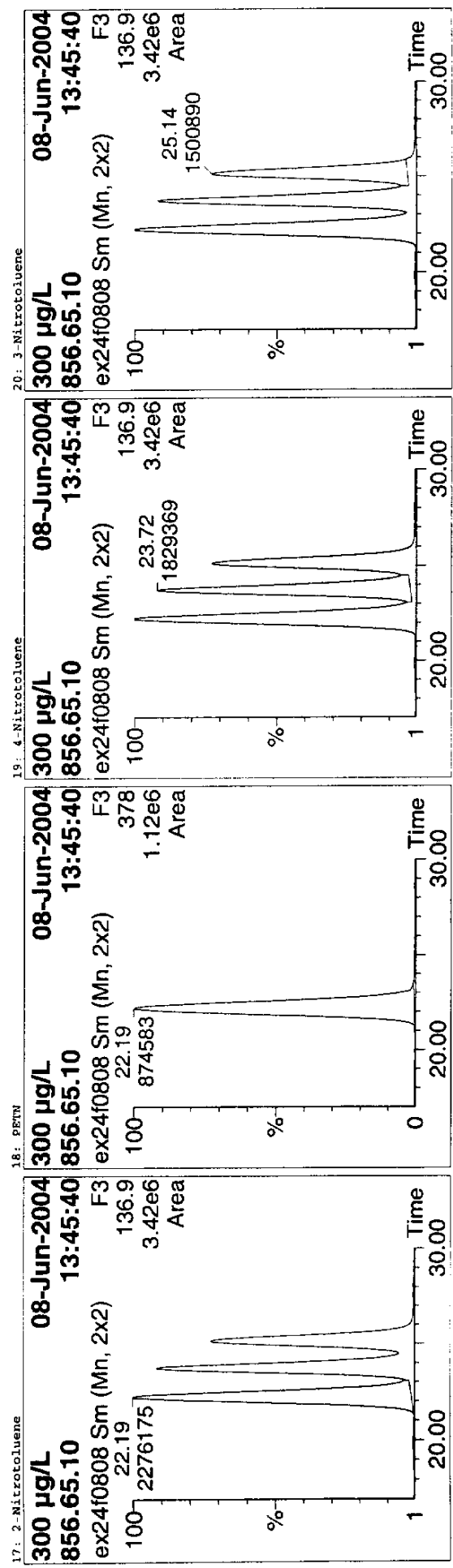


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0808
Text: 300 µg/L



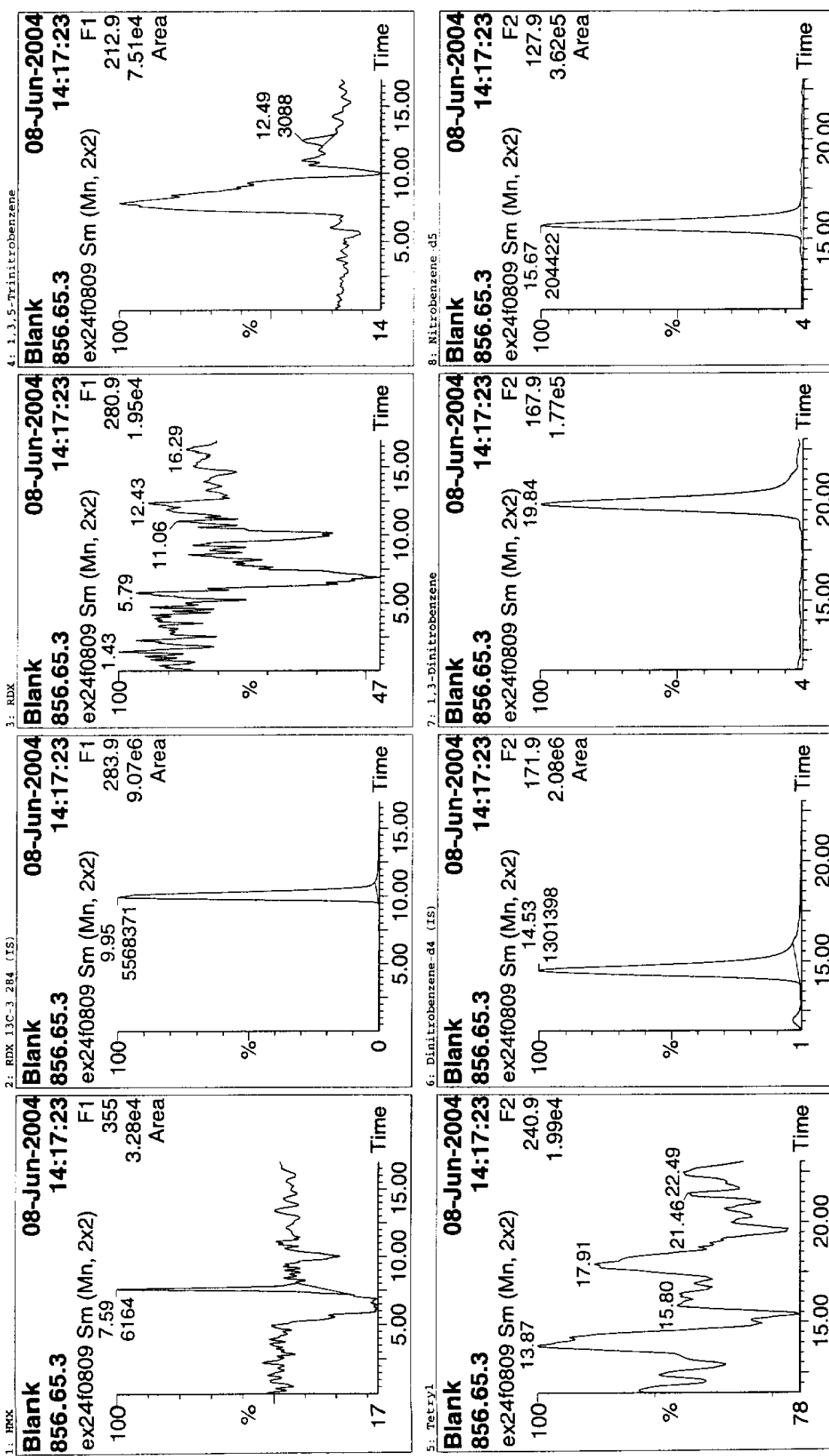
#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod. Date	Mod. Comment
1	RDX	7.59	4142214	4196329	0.987	bb	316.053	105.35		
2	RDX 13C-3 284 (IS)	9.97	4196329	4196329	0.987	bb	0.814	81.43		
3	RDX	9.97	4023773	4196329	0.959	bb	296.031	98.68		
4	1,3,5-Trinitrobenzene	12.43	3161831	1339393	2.361	bb	307.783	102.59		
5	Tetryl	13.93	5102913	1339393	3.810	dd	301.864	100.62		
6	Dinitrobenzene-d4 (IS)	14.53	1339393	1339393	1.431	bb	0.989	98.85		
7	1,3-Dinitrobenzene	14.67	1916937	1339393	0.993	bb	303.191	101.06		
8	Nitrobenzene-d5	15.67	1329956	1339393	0.993	bb	301.455	100.48		
9	Nitroglycerin	15.27	294413	1339393	0.220	dsI				
10	Nitrobenzene	15.94	1303764	1339393	0.973	bb	297.467	99.16		
11	2,4,6-Trinitrotoluene	16.80	8008512	1339393	5.979	bb	300.156	100.05		
12	4-Amino-2,6-dinitrotoluene	17.52	4580788	3914677	1.170	bd	302.210	100.74		
13	2-Amino-4,6-dinitrotoluene	18.75	3828594	3914677	0.978	db	295.428	98.48		
14	2,6-Dinitrotoluene	18.96	11002421	3914677	2.811	bd	297.845	99.28		
15	2,4-Dinitrotoluene-d3 (IS)	19.74	3914677	3914677	1.454	db	0.982	98.21		
16	2,4-Dinitrotoluene	19.93	5692040	3914677	0.581	bd	298.668	99.56		
17	2-Nitrotoluene	22.19	2276175	3914677	0.223	bb	297.459	99.15		
18	PETN	22.19	874583	3914677	0.467	db	308.124	102.71		
19	4-Nitrotoluene	23.72	1829369	3914677	0.383	db	288.013	99.34		
20	3-Nitrotoluene	25.14	1500890	3914677	0.383	db	289.800	96.60		

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last Modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last Modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0809
Test: Blank



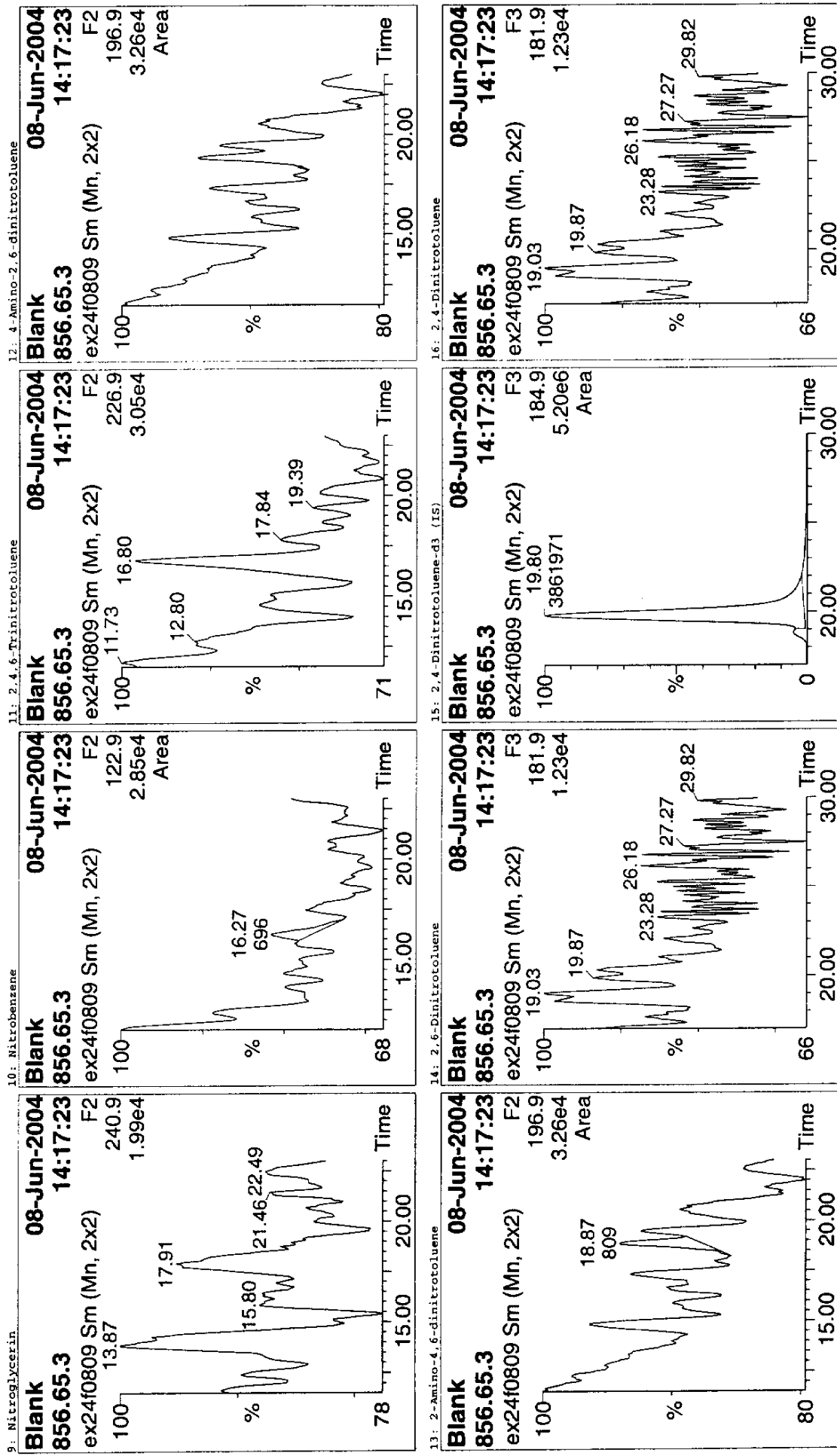
Quantify Sample Report

Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:32:26 2004

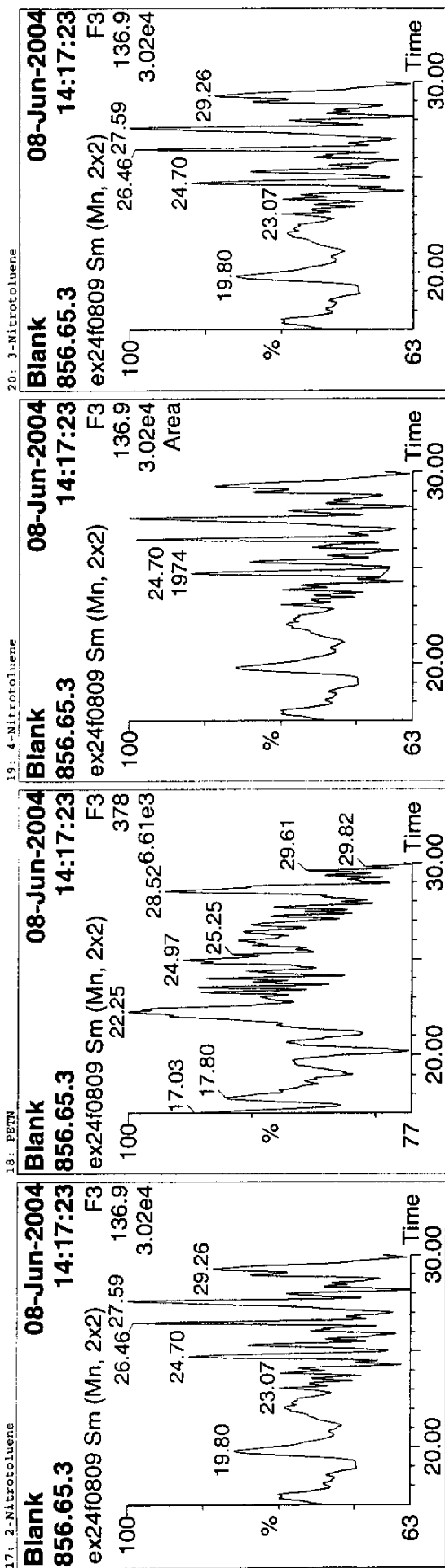
Name: ex24f0809
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Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0809
Text: Blank

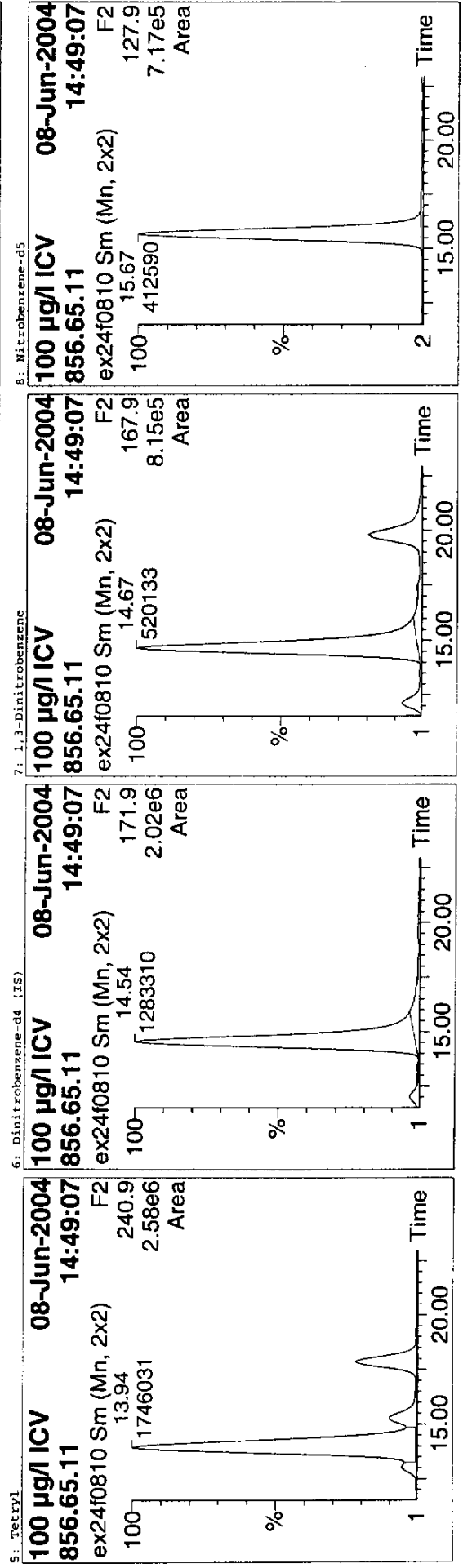
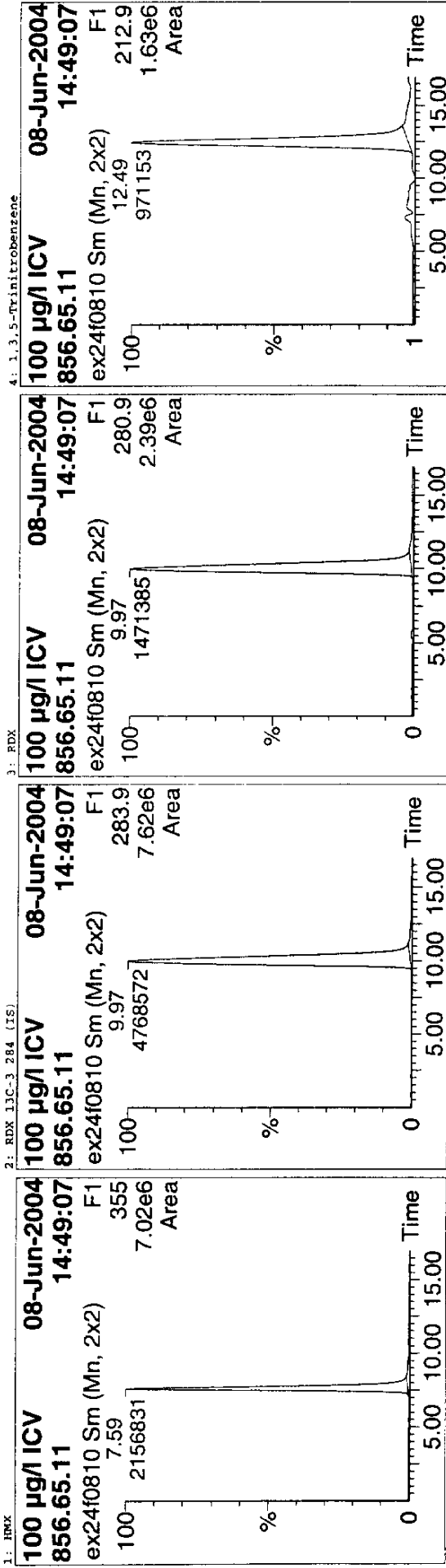
# Name	RT	Area	IS Area	Response Flags	Result	%Rec	Mod.Date	Mod.Comment
1 HMX	7.59	6164	5568371	0.001 bb	0.000			
2 RDX 13C-3 284 (IS)	9.95	5568371	5568370.. bb	1.081 108.05	1.081			
3 RDX	12.49	3088	5568371	0.002 bb	0.000			
4 1,3,5-Trinitrobenzene	14.53	1301398	1301398	1301397.. bb	0.960 96.05			
5 Tetrayl	15.67	204422	1301398	0.157 bb	47.041 94.08			
6 Dinitrobenzene d4 (IS)	16.27	696	1301398	0.001 bb	0.000			
7 1,3-Dinitrobenzene	18.42	15	1301398	0.000 bd	0.000			
8 Nitroglycerin	18.87	809	3861971	0.000 bb	0.000			
9 Nitroglycerin	19.80	3861971	3861971.. db	0.969 96.88	0.969			
10 Nitrobenzene	24.70	1974	3861971	0.001 bb	0.000			
11 2,4,6-Trinitrotoluene			3861971					
12 4-Amino-2,6-dinitrotoluene			3861971					
13 2-Amino-4,6-dinitrotoluene			3861971					
14 2,6-Dinitrotoluene			3861971					
15 2,4-Dinitrotoluene-d3 (IS)			3861971					
16 2,4-Dinitrotoluene			3861971					
17 2-Nitrotoluene			3861971					
18 PETN			3861971					
19 4-Nitrotoluene			3861971					
20 3-Nitrotoluene			3861971					

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

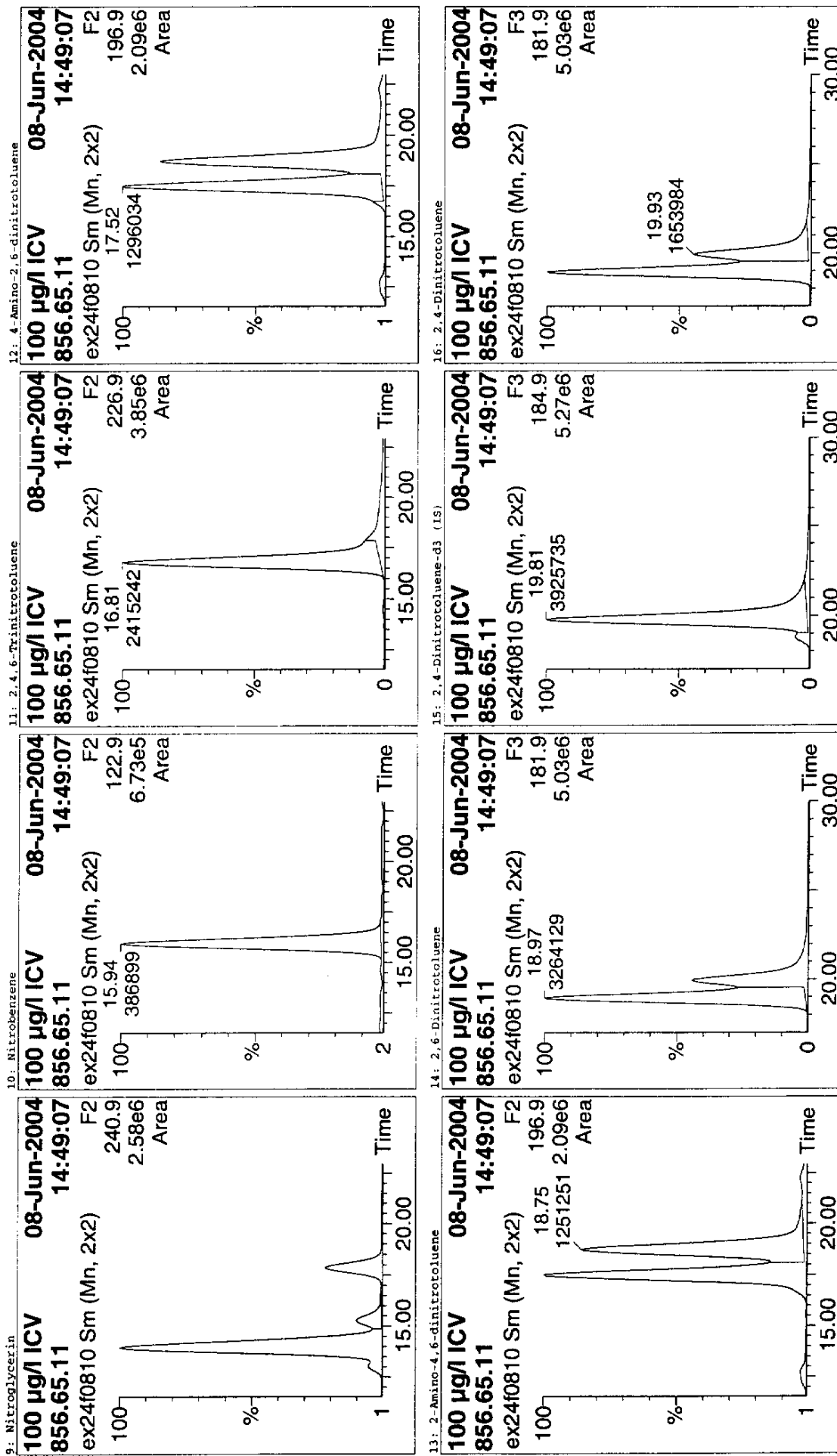
Name: ex24f0810
Text: 100 µg/l ICV



Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0810
Test: 100 µg/1 ICV

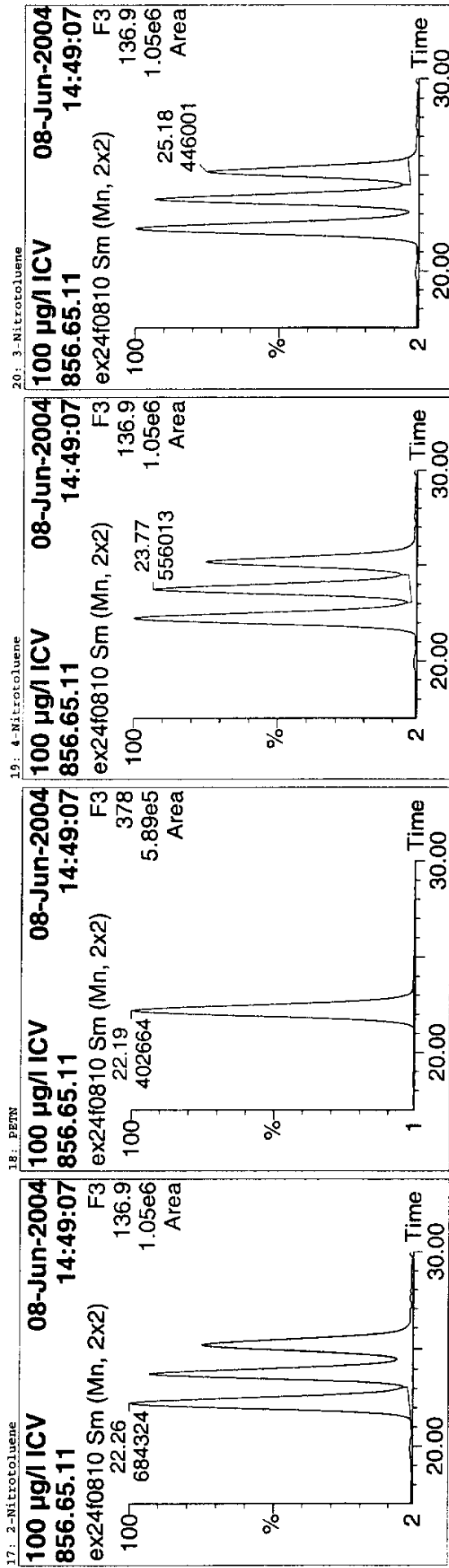
Quantify Sample Report Explosives Analysis

Page 30

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0810
 Text: 100 µg/l ICV



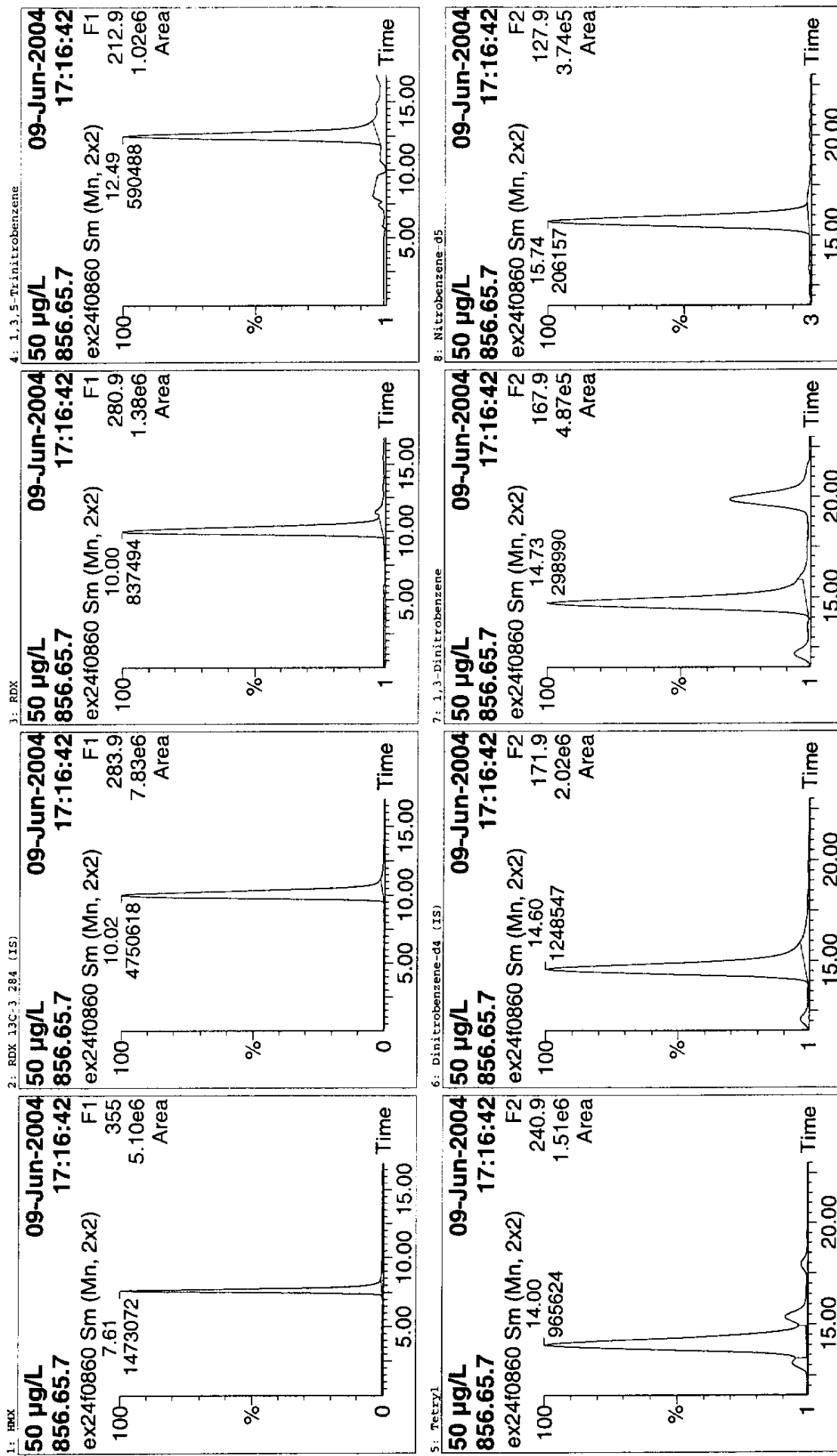
#	Name	RT	Area	IS Area	Response	Flags	Result	Mod. Date	Mod. Comment
1	RMX	7.59	2156831	4768572	0.452	bb	90.997	91.00	
2	RDX 13C-3 284 (IS)	9.97	4768572	4768572	0.309	bb	0.925	92.53	
3	RDX	9.97	1471385	1283310	0.757	bb	93.555	93.56	
4	1,3,5-Trinitrobenzene	12.49	971153	1283310	0.361	bb	83.376	83.38	
5	Tetryl	13.94	1746031	1283310	1.361	dd	90.624	90.62	
6	Dinitrobenzene-d4 (IS)	14.54	1283310	1283309	0.947	bb	94.71	94.71	
7	1,3-Dinitrobenzene	14.67	520133	1283310	0.405	bb	84.909	84.91	
8	Nitrobenzene-d5	15.67	412590	1283310	0.322	bb	97.087	97.09	
9	Nitroglycerin	15.27	154757	1283310	0.121	ds	112.643	112.64	
10	Nitrobenzene	15.94	386899	1283310	0.301	bb	91.525	91.53	
11	2,4,6-Trinitrotoluene	16.81	2415242	1283310	1.882	bs	92.451	92.45	
12	4-Amino-2,6-dinitrotoluene	17.52	1296034	3925735	0.330	dd	83.898	83.90	
13	2-Amino-4,6-dinitrotoluene	18.75	1251231	3925735	0.319	db	94.323	94.32	
14	2,6-Dinitrotoluene	18.97	3264129	3925735	0.831	bd	87.167	87.17	
15	2,4-Dinitrotoluene-d3 (IS)	19.81	3925735	3925735	0.985	db	98.48	98.48	
16	2,4-Dinitrotoluene	19.93	1653984	3925735	0.421	db	85.648	85.65	
17	4-Nitrotoluene	22.26	684324	3925735	0.174	bd	88.185	88.18	
18	PETH	22.19	402664	3925735	0.103	bb	95.185	95.19	
19	4-Nitrotoluene	23.77	556013	3925735	0.142	dd	89.335	89.33	
20	3-Nitrotoluene	25.18	446001	3925735	0.114	db	85.079	85.08	

Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

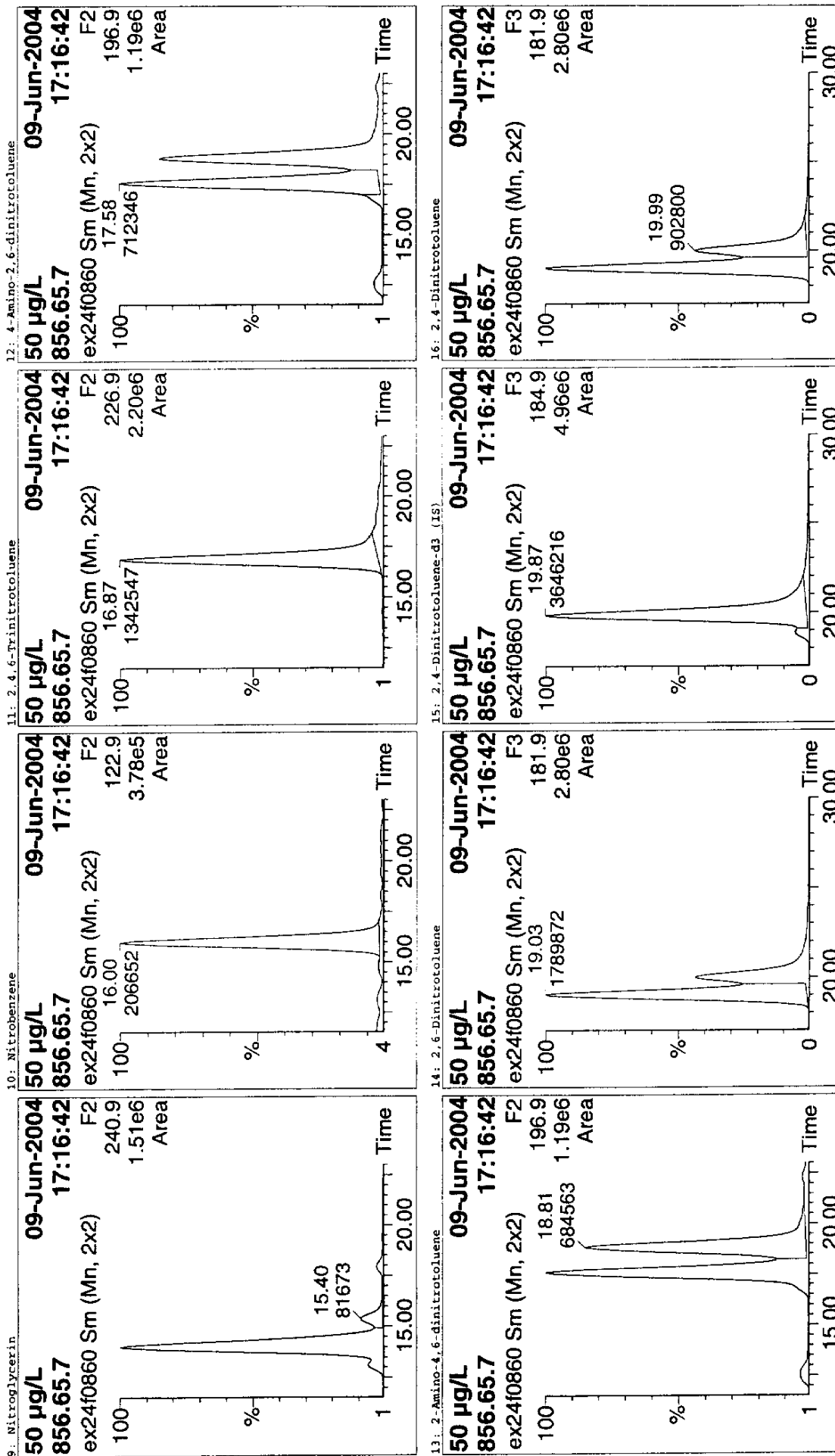
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0860
Text: 50 µg/L

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

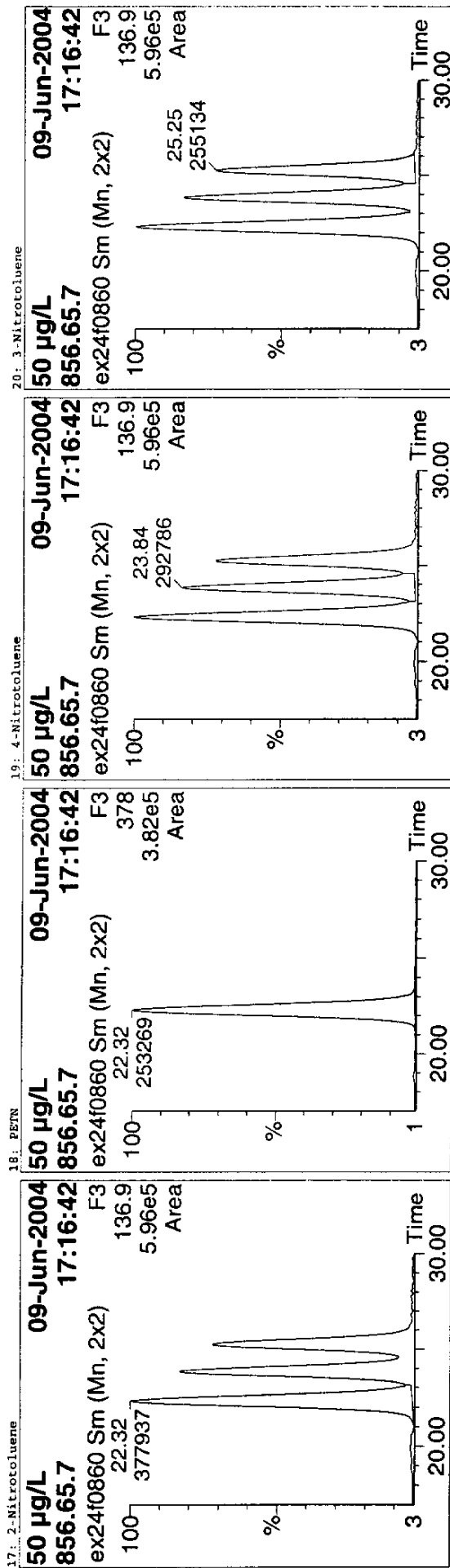
Name: ex24f0860
Text: 50 µg/L

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0860
 Text: 50 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod. Date	Mod. Comment
1	DMX	7.61	1473072	4750618	0.310	bb	57.170	114.34		
2	RDX 13C-3 284 (IS)	10.02	4750618	4750618	0.176	bb	0.922	92.19		
3	RDX	10.00	837494	4750618	0.176	bb	52.374	104.75		
4	1,3,5-Trinitrobenzene	12.49	590488	1248547	0.473	bb	48.983	97.97		
5	Tetryl	14.00	965624	1248547	0.773	dd	48.973	97.95		
6	Dinitrobenzene-d4 (IS)	14.60	1248547	1248547	0.921	bb	0.921	92.15		
7	1,3-Dinitrobenzene	14.73	298990	1248547	0.239	bs	49.624	99.25		
8	Nitrobenzene-d5	15.73	206157	1248547	0.165	bb	49.488	98.98		
9	Nitroglycerin	15.40	81673	1248547	0.065	ds	53.237	106.47		
10	Nitrobenzene	16.00	206652	1248547	0.166	bb	49.850	99.70		
11	2,4,6-Trinitrotoluene	16.87	1342547	1248547	1.075	bb	51.601	103.20		
12	4-Amino-2,6-dinitrotoluene	17.58	712346	3646216	0.195	dd	48.872	97.74		
13	2-Amino-4,6-dinitrotoluene	18.81	684563	3646216	0.188	db	54.368	108.74		
14	2,6-Dinitrotoluene	18.03	1789872	3646216	0.491	bd	50.911	101.82		
15	2,4-Dinitrotoluene-d3 (IS)	19.86	3646216	3646216	0.915	bb	0.915	91.47		
16	2,4-Dinitrotoluene	19.99	902800	3646216	0.248	db	49.814	99.63		
17	2-Nitrotoluene	22.32	377937	3646216	0.104	bd	51.861	103.72		
18	PETN	22.32	253269	3646216	0.069	bb	60.588	121.18		
19	4-Nitrotoluene	23.84	292786	3646216	0.080	dd	50.035	100.07		
20	3-Nitrotoluene	25.25	255134	3646216	0.070	db	51.966	103.93		

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

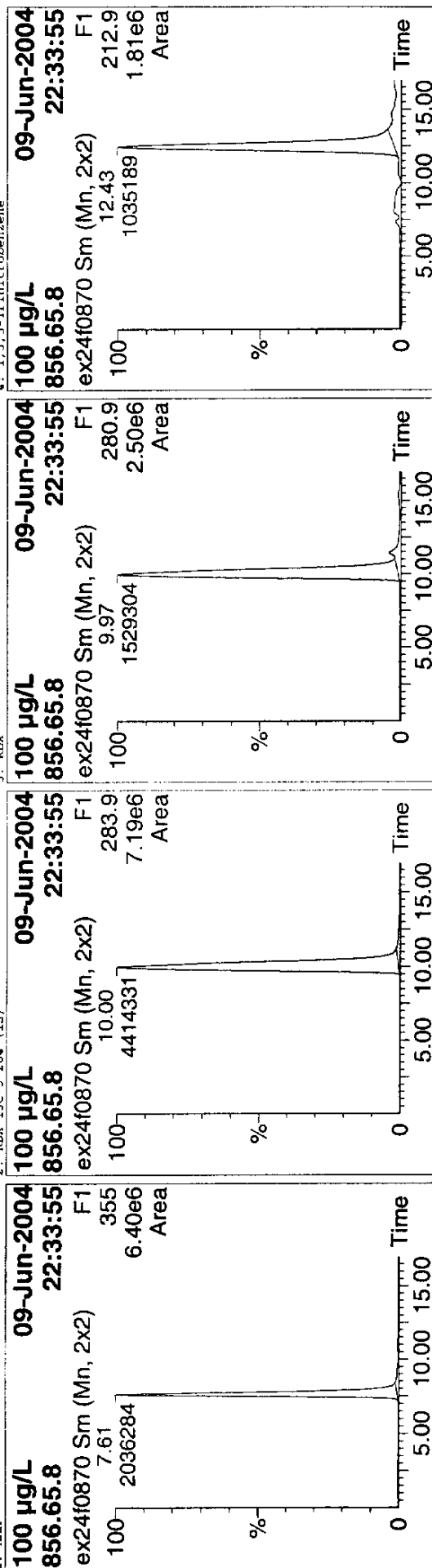
Name: ex24f0870
Text: 100 µg/L

1: HMX

2: RDX 13C-3 284 (IS)

3: RDX

4: 1,3,5-Trinitrobenzene

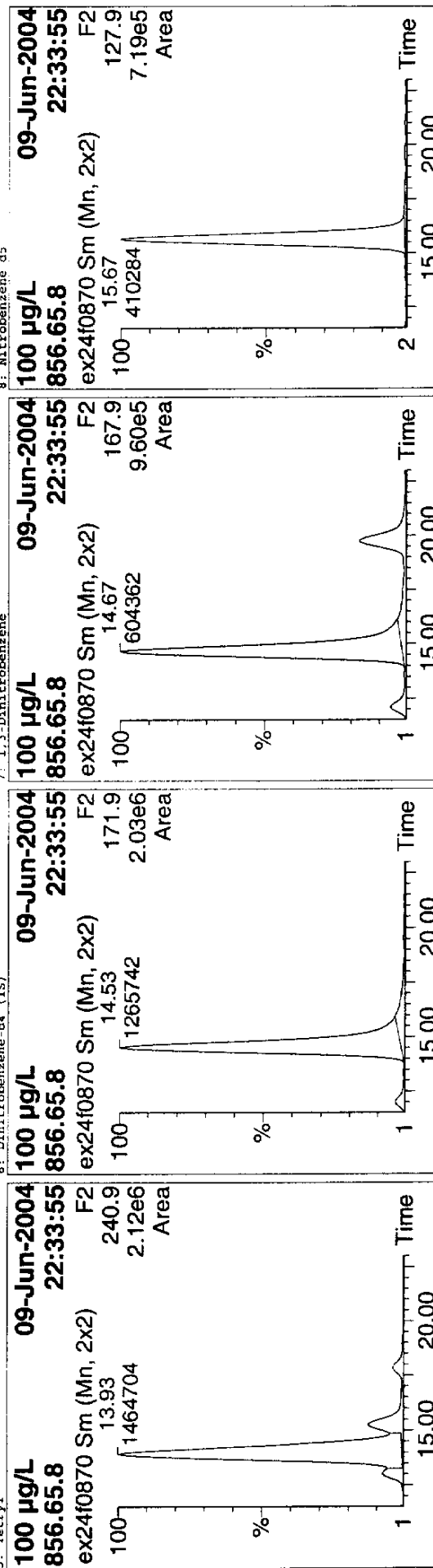


5: Tetryl

6: Dinitrobenzene-d4 (IS)

7: 1,3-Dinitrobenzene

8: Nitrobenzene d5

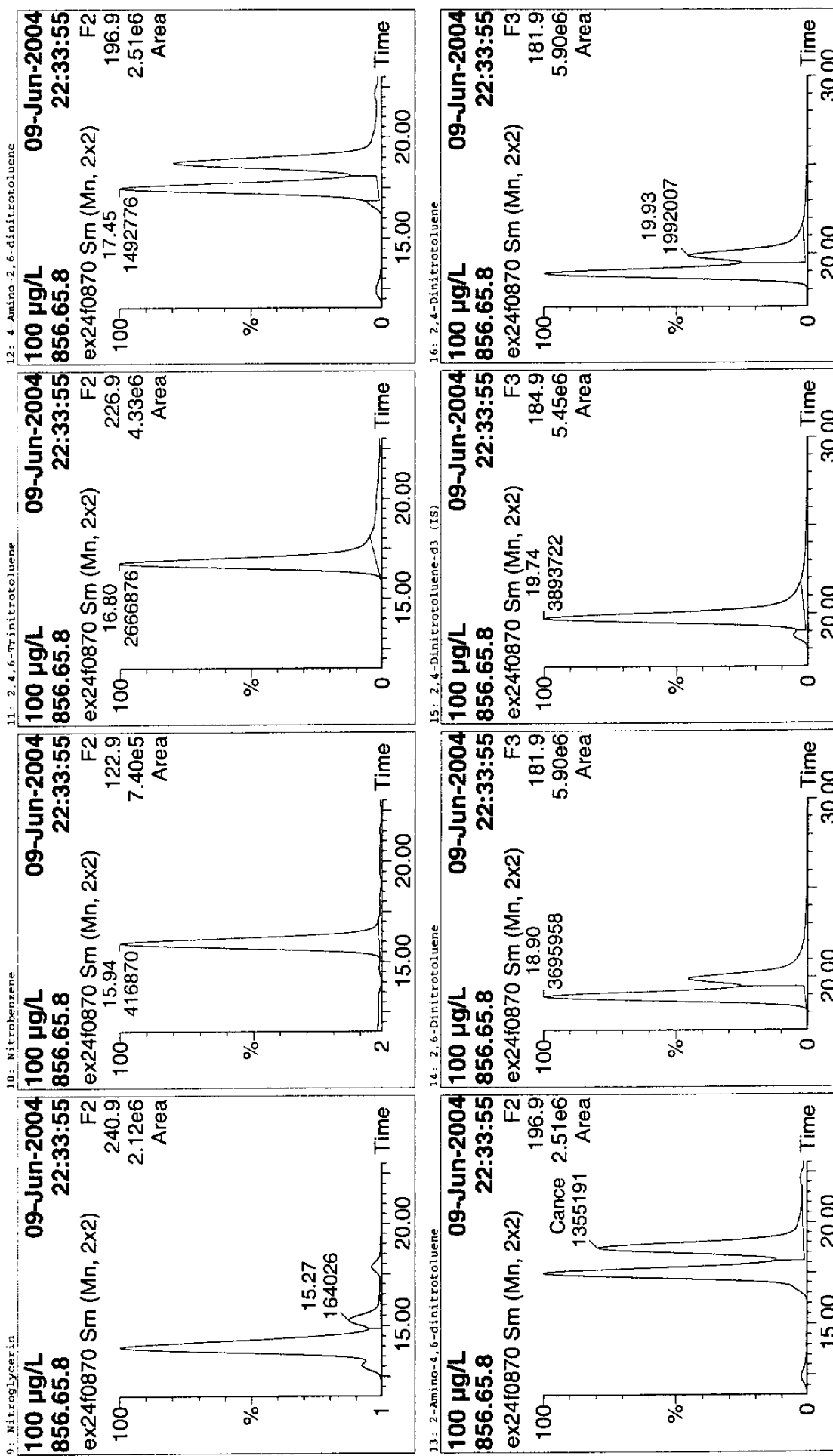


Quantify Sample Report
Explosives Analysis

Sample list: C:\Masslynx\Explosives.PRO\6sampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0870
Test: 100 µg/L

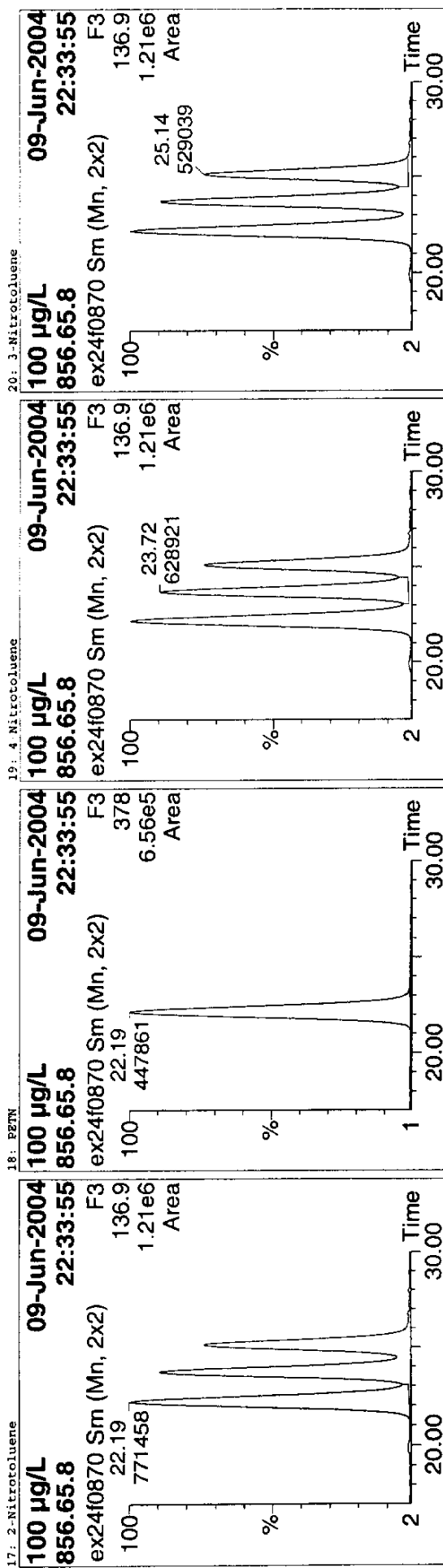


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleM\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0870
Text: 100 µg/L



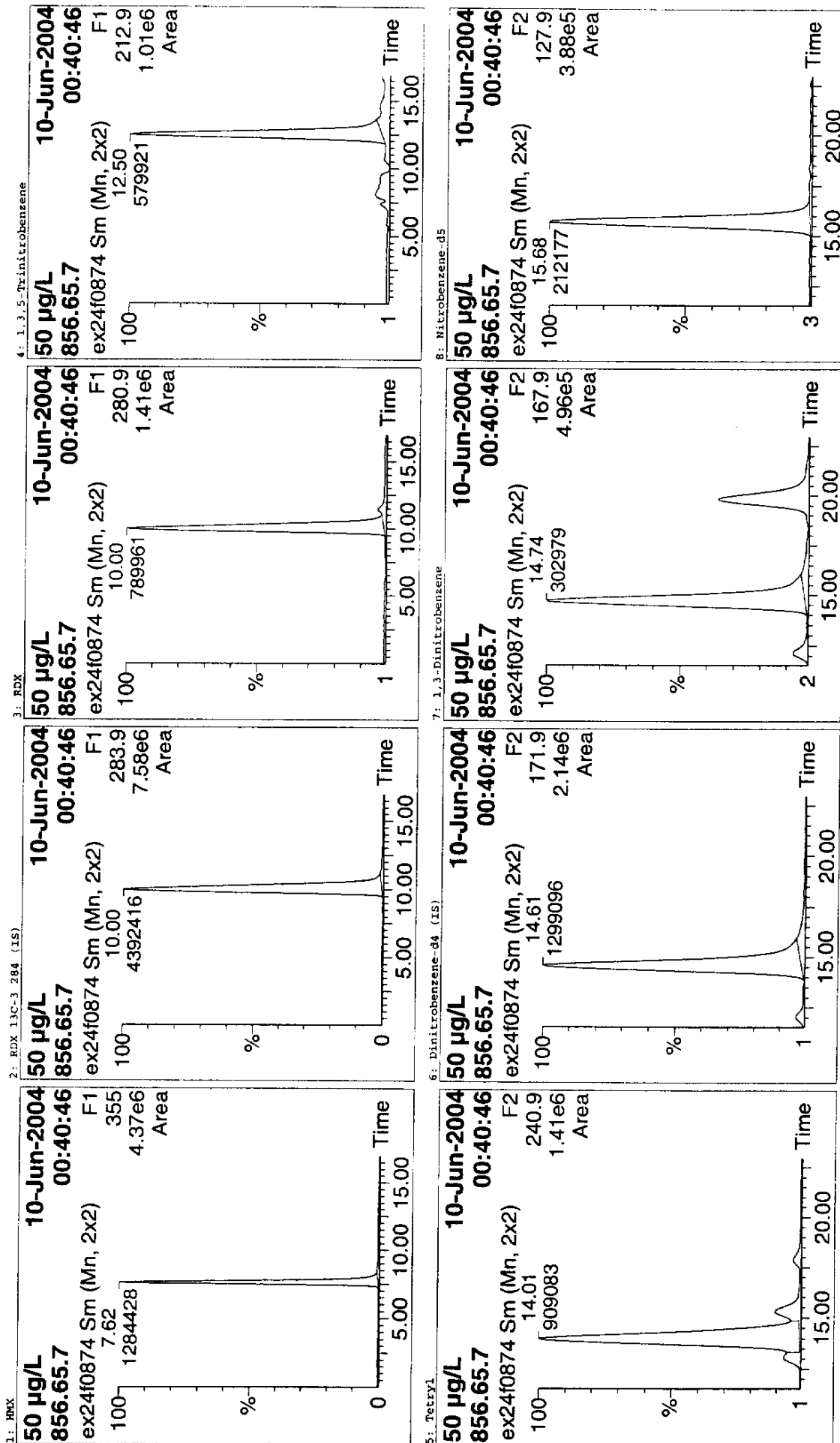
#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod. Date	Mod. Comment
1	HMX	7.61	2036284	4414331	0.461	bb	93.273	93.27		
2	RDX 1,3,5-Trinitrobenzene	10.00	4414331	4414331	0.346	bb	0.857	85.66		
3	RDX	9.97	1529304	1265742	0.818	bb	105.350	105.35		
4	1,3,5-Trinitrobenzene	12.43	1035189	1265742	1.157	dd	90.944	90.94		
5	Tetryl	13.93	1464704	1265742	0.934	bb	75.919	75.92		
6	Dinitrobenzene-d4 (IS)	14.53	1265742	1265742	0.477	bb	0.934	93.42		
7	1,3-Dinitrobenzene	14.57	604362	1265742	0.324	bb	100.265	100.27		
8	Nitroglycerin	15.67	410284	1265742	0.130	ds	97.891	97.89		
9	Nitroglycerin	15.27	164026	1265742	0.130	ds	123.802	123.80		
10	Nitrobenzene	15.94	416870	1265742	0.329	bb	100.065	100.07		
11	2,4,6-Trinitrotoluene	16.80	2666876	1265742	2.107	bb	103.891	103.89		
12	4-Amino-2,6-dinitrotoluene	17.45	1492776	3893722	0.383	dd	97.715	97.74		
13	2-Amino-4,6-dinitrotoluene	18.75	1385191	3893722	0.348	dd	103.265	103.26		
14	2,6-Dinitrotoluene	18.90	3695958	3893722	0.949	bd	99.700	99.70		
15	2,4-Dinitrotoluene-d3 (IS)	19.93	1992007	3893722	0.512	db	0.977	97.68		
16	2,4-Dinitrotoluene	19.93	771458	3893722	0.198	bd	104.269	104.27		
17	2-Nitrotoluene	22.19	447861	3893722	0.115	bb	100.424	100.42		
18	PETN	22.19	447861	3893722	0.162	dd	109.329	109.33		
19	4-Nitrotoluene	23.72	628921	3893722	0.136	db	102.078	102.08		
20	3-Nitrotoluene	25.14	529039	3893722	0.136	db	101.970	101.97		

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0874
Text: 50 µg/L



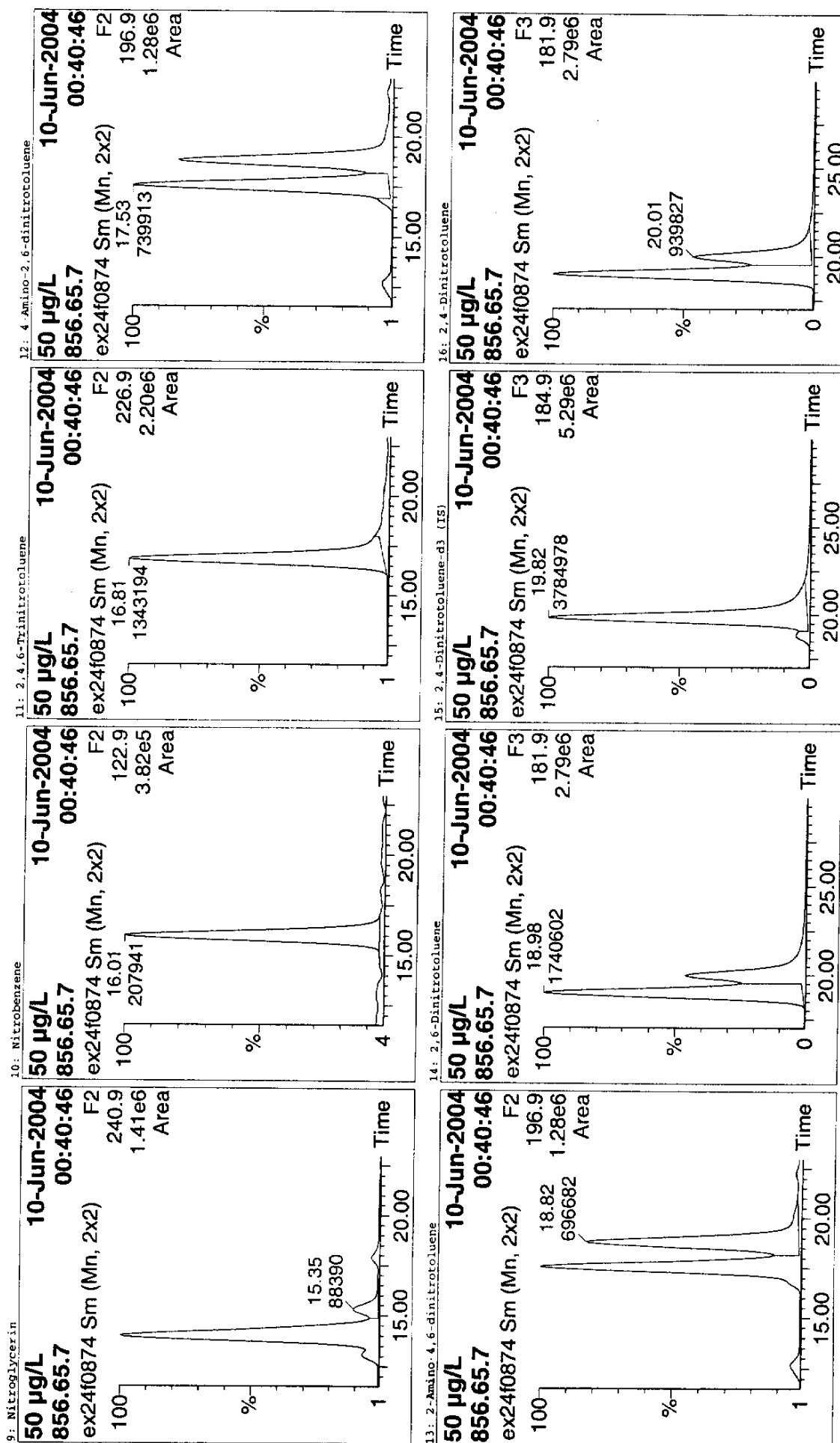
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0874
Text: 50 µg/L



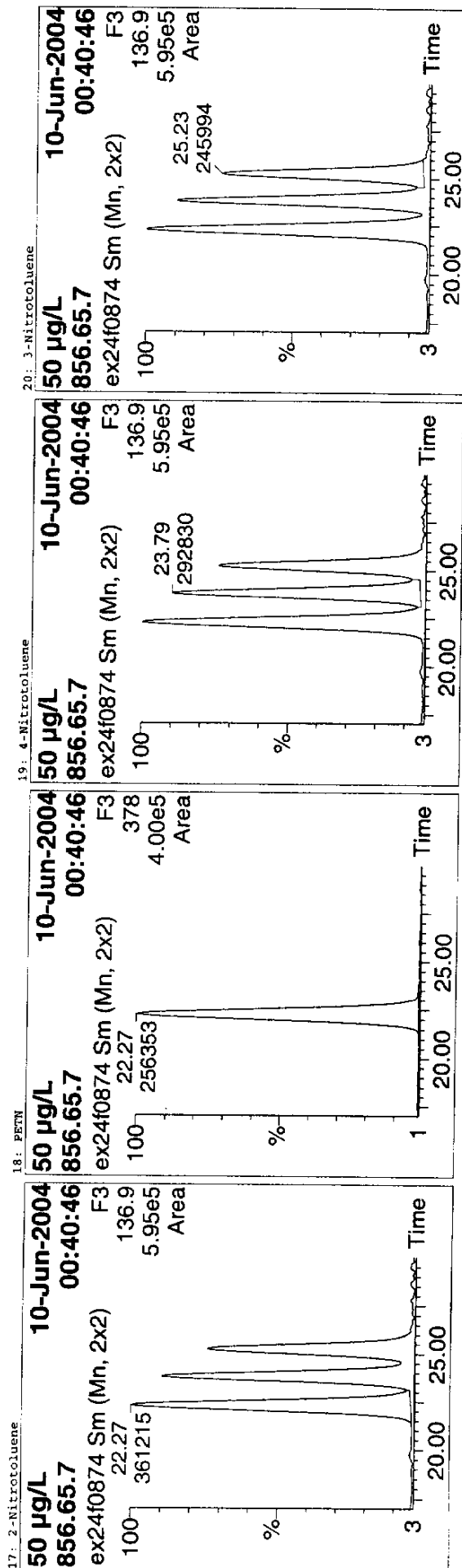
Analyst: Mark Dynarski

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

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Name: ex24f0874
Text: 50 µg/L



#	Name	Rt	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX	7.62	1284428	4392416	0.292	bb	53.221	106.44				
2	RDX 1,3C-3 284 (IS)	10.00	4392416	4392416	0.180	bb	0.852	85.24				
3	RDX	10.00	789961	1299096	0.446	bb	53.481	106.96				
4	1,3,5-Trinitrobenzene	12.50	579921	1299096	0.700	dd	45.828	91.66				
5	Tetryl	14.01	909083	1299096	0.233	bb	43.917	87.83				
6	Dinitrobenzene-d4 (IS)	14.61	1299096	1299096	0.163	bb	0.959	95.88				
7	1,3-Dinitrobenzene	14.74	302979	1299096	0.068	ds	48.295	96.59				
8	Nitrobenzene-d5	15.68	212177	1299096	0.103	bs	48.943	97.89				
9	Nitroglycerin	15.35	88390	1299096	0.160	bb	55.792	111.58				
10	Nitrobenzene	16.01	207941	1299096	0.068	ds	48.180	96.36				
11	2,4,6-Trinitrotoluene	16.81	1343194	1299096	1.034	bs	49.505	99.01				
12	4-Amino-2,6-dinitrotoluene	17.53	739913	3784978	0.195	dd	48.904	97.81				
13	2-Amino-4,6-dinitrotoluene	18.82	696682	3784978	0.184	db	53.245	106.49				
14	2,6-Dinitrotoluene	18.98	1740602	3784978	0.460	bd	47.609	95.22				
15	2,4-Dinitrotoluene-d3 (IS)	19.82	3784978	3784977	0.248	db	0.950	94.95				
16	2,4-Dinitrotoluene	20.01	939827	3784978	0.095	bd	49.959	99.92				
17	2-Nitrotoluene	22.27	361215	3784978	0.068	bb	47.637	95.27				
18	PETN	22.27	256353	3784978	0.077	dd	58.881	117.76				
19	4-Nitrotoluene	23.79	292830	3784978	0.065	db	48.156	96.31				
20	3-Nitrotoluene	25.23	245994	3784978	0.065	db	48.187	96.37				

Analyst: Mark Dymarski

**LC/MS SEMIVOLATILE
SAMPLE DATA**

Quantify Compound Summary Report
Explosives Analysis

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Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 1: RMX Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.99898
Calibration curve: $-7.06168e-6 \cdot x^2 + 0.00525076 \cdot x + 0.0329724$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	WRec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank		7.59	5369	5391933	2	0.001	bb	0.000	85.5	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	7.61	313329	5667114	2	0.055	bb	4.275	110.9	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	7.61	500267	5536163	2	0.090	bb	11.095	103.9	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	7.59	936260	5688307	2	0.165	bb	25.974	102.7	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	7.61	1521417	5357898	2	0.284	bb	51.345	98.4	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	7.59	2441447	5074583	2	0.481	bb	98.359	95.8	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	7.59	3550179	4554509	2	0.780	bb	191.619	105.4	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	7.59	4142214	4196329	2	0.987	bb	316.053	105.4	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank		7.59	6164	5568371	2	0.001	bb	0.000	85.5	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	7.59	2156831	4768572	2	0.452	bb	90.997	91.0	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00	7.61	1473072	4750618	2	0.310	bb	57.170	114.3	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHPIIIAC	Blank			2012524	4318325	2	0.524	bb	0.549	109.8	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GHPIIIAC	QC	100.00	7.64		3838020	2									
14 ex24f0863	D4F040396-1	GHPIIIAC	Analyte				3955716	2									
15 ex24f0864	D4F040396-2	GHPIIIAC	Analyte				3922610	2									
16 ex24f0865	D4F040396-3	GHPIIIAC	Analyte				4014193	2									
17 ex24f0866	D4F040396-4	GHPIIIAC	Analyte				3319608	2									
18 ex24f0867	D4F050141-1	GHPIIIAC	Analyte		7.36	79	3685109	2	0.000	bb	0.000		0.005	1.039	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHPIIIAC	Analyte				3912668	2					0.005	1.053	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHPIIIAC	Analyte				3774254	2					0.005	1.061	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00	7.61	2036284	4414331	2	0.461	bb	93.273	93.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHPIIIAC	Analyte				4247042	2					0.005	1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 NS	GHPIIIAC	QC	100.00	7.64	1725971	3266024	2	0.528	bb	0.523	110.9	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 NSD	GHPIIIAC	QC	100.00	7.64	1615681	3354932	2	0.482	bb	0.495	98.5	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00	7.62	1284428	4392416	2	0.292	bb	53.221	106.4	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 2: RDX 13C-3 284 (IS) Sample List: ex24f08(6) Method File: ex24f08
Response Factor: 5.15330e6
NMR SD: 580485, % Relative SD: 11.2643
Response type: External Std, Area
Curve type: RP

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal. File
1 ex24f0801	Blank	856.65.3	Blank	1.00	9.97	5391933		0	5391933.000	bb	1.046	104.6	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	1.00	10.00	5667114		0	5667114.000	bb	1.100	110.0	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	1.00	10.02	5536363		0	5536363.000	bb	1.074	107.4	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	1.00	9.97	5688307		0	5688307.000	bb	1.104	110.4	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	1.00	10.00	5357898		0	5357897.500	bb	1.040	104.0	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	1.00	9.92	5074583		0	5074582.500	bb	0.985	98.5	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	1.00	9.97	4552509		0	4552508.500	bb	0.883	88.3	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	1.00	9.97	4196329		0	4196329.000	bb	0.814	81.4	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank	1.00	9.95	5568371		0	5568370.500	bb	1.081	108.1	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	1.00	9.97	4768572		0	4768572.000	bb	0.925	92.5	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	1.00	10.02	4750638		0	4750618.000	bb	0.923	92.3	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GH3N1AA	Blank	1.00	10.13	4319325		0	4319325.000	bb	0.638	63.8	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GH3N1AC	QC	1.00	10.12	3838020		0	3838020.250	bb	0.745	74.5	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GH3N1AC	Analyte		10.13	3955716		0	3955716.000	bb	0.768	76.8	0.005	1.000	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GH3N1AC	Analyte		10.10	3922610		0	3922609.500	bb	0.779	77.9	0.005	1.000	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GH3N1AC	Analyte		10.10	4014393		0	4014393.000	bb	0.644	64.4	0.005	1.000	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GH3N1AC	Analyte		10.15	3319608		0	3319607.500	bb	0.715	71.5	0.005	1.000	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GH3N1AC	Analyte		10.17	3685109		0	3685108.500	bb	0.759	75.9	0.005	1.000	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GH3N1AC	Analyte		10.10	3912668		0	3912668.250	bb	0.732	73.2	0.005	1.000	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GH3N1AC	Analyte		10.07	3774254		0	3774253.500	bb	0.732	73.2	0.005	1.000	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	1.00	10.00	4414331		0	4414330.500	bb	0.857	85.7	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GH3N1AC	Analyte		10.10	4247042		0	4247041.500	bb	0.824	82.4	0.005	1.000	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 NS	GH3N1AC	QC	1.00	10.10	3266024		0	3266024.250	bb	0.634	63.4	0.005	1.000	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GH3N1AC	QC	1.00	10.07	3354932		0	3354931.750	bb	0.651	65.1	0.005	1.000	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	1.00	10.00	4392416		0	4392416.000	bb	0.852	85.2	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masalyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masalyn\Explosives.PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 3: RDX Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999254
Calibration curve: $0.00321185 \cdot x + 0.00807398$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	NT	Area	IS Area	IS#	Response	Flags	Result	%Rec	VF(L)	Vs(L or kg)	DF	Inj	Cal File
1	ex24f0801	Blank	856.65.3	Blank	5.00	10.00	137187	5391933	2						1.00	50	ex24f08
2	ex24f0802	5 ug/L	856.65.4	Standard	10.00	10.00	213202	5667114	2	0.024	5.023	100.5	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	25.00	9.97	500553	5536363	2	0.039	9.476	94.8	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	50.00	10.00	919586	5688307	2	0.088	24.884	99.5	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	100.00	9.95	1764959	5357898	2	0.172	50.923	101.8	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	200.00	9.97	2930286	5074583	2	0.348	105.774	105.8	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.9	Standard	300.00	9.97	4023773	4552509	2	0.644	197.889	98.9	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.10	Standard	100.00	9.97	1471385	4196329	2	0.959	296.031	98.7	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	Blank	856.65.3	Blank	5.00	10.00	837494	5568371	2						1.00	50	ex24f08
10	ex24f0810	100 ug/L	856.65.11	QC	50.00	10.00	837494	4768572	2	0.309	93.555	93.6	1.000	1.000	1.00	50	ex24f08
11	ex24f0810	50 ug/L	856.65.7	QC	50.00	10.00	837494	4750618	2	0.176	52.374	104.7	1.000	1.000	1.00	50	ex24f08
12	ex24f0861	R4F070000-119 MB	GH3N1AA	Blank	100.00	10.10	1249238	4319325	2						1.00	50	ex24f08
13	ex24f0862	R4F070000-119 LCS	GH3N1AA	QC	100.00	10.10	1249238	3838040	2	0.325	0.494	98.8	0.005	1.064	1.00	50	ex24f08
14	ex24f0863	D4F040396-1	GH3N1AA	Analyte				3955716	2				0.005	1.059	1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GH3N1AA	Analyte				3922610	2				0.005	1.039	1.00	50	ex24f08
16	ex24f0865	D4F040396-3	GH3N1AA	Analyte				4014393	2				0.005	1.059	1.00	50	ex24f08
17	ex24f0866	D4F040396-4	GH3N1AA	Analyte				3319608	2				0.005	1.039	1.00	50	ex24f08
18	ex24f0867	D4F050141-1	GH3N1AA	Analyte				3685109	2				0.005	1.059	1.00	50	ex24f08
19	ex24f0868	D4F050141-2	GH3N1AA	Analyte				3912668	2				0.005	1.053	1.00	50	ex24f08
20	ex24f0869	D4F050141-3	GH3N1AA	Analyte				3774254	2				0.005	1.061	1.00	50	ex24f08
21	ex24f0870	100 ug/L	856.65.8	QC	100.00	9.97	1529304	4414331	2	0.346	105.350	105.3	1.000	1.000	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GH3N1AA	Analyte				4247042	2				0.005	1.058	1.00	50	ex24f08
23	ex24f0872	D4F050141-4 MS	GH3N1AA	QC	100.00	10.10	1079872	3266024	2	0.331	0.474	100.4	0.005	1.060	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 MSD	GH3N1AA	QC	100.00	10.07	1093548	3354932	2	0.326	0.498	99.0	0.005	0.994	1.00	50	ex24f08
25	ex24f0874	50 ug/L	856.65.7	QC	50.00	10.00	789961	4392416	2	0.180	53.481	107.0	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

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Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
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Compound 4: 1,3,5-Trinitrobenzene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.96994
Calibration curve: $-4.2689e-6 * x^2 + 0.00881698 * x + 0.0513044$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Excludes, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal. File
1 ex24f0801	Blank	856.65.3	Blank	5.00 12.43	130479	1360486	6								1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	10.00 12.49	180690	1329636	6		0.098	bb	5.325	106.5	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	25.00 12.43	262861	1392308	6		0.131	bb	9.046	90.5	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	50.00 12.43	681473	1379407	6		0.263	bb	24.302	97.2	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	100.00 12.43	1238086	1347899	6		0.506	bb	52.877	105.8	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	200.00 12.43	2115565	1340821	6		0.523	bb	104.161	104.2	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	300.00 12.43	3161831	1339393	6		1.550	bb	186.867	93.4	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	100.00 12.49	3088	1301398	6		2.161	bb	307.783	102.6	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank	5.00 12.43	971153	1283310	6		0.002	bb	0.000		1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	50.00 12.49	590488	1248547	6		0.757	bb	83.376	83.4	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	100.00 12.49	990308	1261229	6		0.785	bb	0.434	86.9	0.005	1.000	1.00	50	ex24f08
12 ex24f0861	Rf070000-119 MB	GHP3N1AC	QC	100.00 12.56		1257834	6						0.005	1.064	1.00	50	ex24f08
13 ex24f0862	Rf070000-119 LCS	GHP3N1AC	QC			1267966	6						0.005	1.059	1.00	50	ex24f08
14 ex24f0863	Df040396-1	GHNJLAC	Analyte			1246719	6						0.005	1.039	1.00	50	ex24f08
15 ex24f0864	Df040396-2	GHNJLAC	Analyte			6721	6		0.005	bb	0.000		0.005	1.039	1.00	50	ex24f08
16 ex24f0865	Df040396-3	GHNJLAC	Analyte	12.49		2369	6		0.002	bb	0.000		0.005	1.059	1.00	50	ex24f08
17 ex24f0866	Df040396-4	GHNJLAC	Analyte	12.83			6						0.005	1.053	1.00	50	ex24f08
18 ex24f0867	Df050141-1	GHPG1AC	Analyte			1268782	6						0.005	1.061	1.00	50	ex24f08
19 ex24f0868	Df050141-2	GHPG1AC	Analyte			1265742	6						0.005	1.000	1.00	50	ex24f08
20 ex24f0869	Df050141-3	GHPG1AC	Analyte			1274561	6		0.818	bb	90.944	90.9	1.000	1.000	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00 12.43	1035189	1265742	6						0.005	1.058	1.00	50	ex24f08
22 ex24f0871	Df050141-4	GHPH1AC	Analyte			947529	6		0.782	bb	0.408	86.5	0.005	1.060	1.00	50	ex24f08
23 ex24f0872	Df050141-4 MS	GHPH1AC	QC	100.00 12.57	915867	1161069	6		0.789	bb	0.439	87.3	0.005	0.994	1.00	50	ex24f08
24 ex24f0873	Df050141-4 MSD	GHPH1AC	QC	100.00 12.56	579921	1299096	6		0.446	bb	45.628	91.7	1.000	1.000	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00 12.50			6										

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 5: Tetryl Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999660
Calibration curve: $-9.8956e-6 * x^2 + 0.0154788 * x + 0.0390892$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal.File
1	ex24f0801	Blank	Blank														
2	ex24f0802	5 ug/L	856.65.3 Standard	5.00	13.94	163989	1360486	6	0.123	dd	5.461	109.2	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.4 Standard	10.00	14.00	243644	1329636	6	0.176	dd	8.913	89.1	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.5 Standard	25.00	14.00	584128	1379407	6	0.423	dd	25.240	101.0	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.6 Standard	50.00	14.00	1054659	1347899	6	0.782	dd	49.597	99.2	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.7 Standard	100.00	13.94	2046126	1340821	6	1.526	dd	102.822	102.8	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.8 Standard	200.00	13.93	3678798	1365016	6	2.695	dd	196.196	98.1	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.9 Standard	300.00	13.93	5102913	1339393	6	3.810	dd	301.864	100.6	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	Blank	Blank														
10	ex24f0810	100 ug/L ICV	856.65.11 QC	100.00	13.94	1746031	1283310	6	1.361	dd	90.624	90.6	1.000	1.000	1.00	50	ex24f08
11	ex24f0860	50 ug/L	856.65.7 QC	50.00	14.00	965624	1248547	6	0.773	dd	48.973	97.9	1.000	1.000	1.00	50	ex24f08
12	ex24f0861	R4F070000-119 MB	GRPNIAA Blank				1189205	6									
13	ex24f0862	R4F070000-119 LCS	GRPNIAA QC				1261229	6									
14	ex24f0863	D4F040396-1	GRNUTAC Analyte	100.00	14.07	1796998	1237834	6	1.425	dd	0.477	95.3	0.005	1.064	1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GRNUTAC Analyte				1267956	6									
16	ex24f0865	D4F040396-3	GRNUTAC Analyte				1246719	6									
17	ex24f0866	D4F040396-4	GRNUTAC Analyte				1261860	6									
18	ex24f0867	D4F050141-1	GRNUTAC Analyte				1237703	6									
19	ex24f0868	D4F050141-2	GRNUTAC Analyte				1161818	6									
20	ex24f0869	D4F050141-3	GRNUTAC Analyte				1268782	6									
21	ex24f0870	100 ug/L	856.65.8 QC	100.00	13.93	1464704	1265742	6	1.157	dd	75.919	75.9	1.000	1.000	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GRPHIAC Analyte				1274261	6									
23	ex24f0872	D4F050141-4 MS	GRPHIAC QC	100.00	14.08	1265783	1211557	6	1.045	dd	0.320	67.9	0.005	1.058	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 MS	GRPHIAC QC	100.00	14.07	1346938	1161069	6	1.160	dd	0.383	76.1	0.005	1.060	1.00	50	ex24f08
25	ex24f0874	50 ug/L	856.65.7 QC	50.00	14.01	909083	1299096	6	0.700	dd	43.917	87.8	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masalyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masalyn\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:56:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 6: Dinitrobenzene-d4 (IS) Sample List: ex24f08(6) Method File: ex24f08
Response Factor: 1.3549366
RRF SD: 20737.0, % Relative SD: 1.53049
Response type: External Std, Area
Curve type: RF

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf (L)	Vs (L or kg)	DF	Inj	Cal. File
1 ex24f0801	Blank	856.65.3	Blank	1.00	14.53	1360486		0	1360486.125	bb	1.004	100.4	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	1.00	14.54	1329636		0	1329635.750	bb	0.991	98.1	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	1.00	14.53	1382308		0	1382308.250	bb	1.020	102.0	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	1.00	14.54	1379407		0	1379407.250	bb	1.018	101.8	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	1.00	14.53	1347899		0	1347899.375	bb	0.995	99.5	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	1.00	14.54	1340821		0	1340821.125	bb	0.990	99.0	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	1.00	14.53	1365016		0	1365015.750	bb	1.007	100.7	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	1.00	14.53	1339393		0	1339392.500	bb	0.989	98.9	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank	1.00	14.53	1301398		0	1301397.750	bb	0.960	96.0	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	1.00	14.54	1283310		0	1283309.500	bb	0.947	94.7	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	1.00	14.60	1248547		0	1248546.875	bb	0.921	92.1	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHF3N1AA	Blank	1.00	14.58	1189205		0	1189204.875	bb	0.878	87.8	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GHF3N1AC	QC	1.00	14.67	1261229		0	1261229.000	bb	0.934	93.4	0.005	1.064	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GHNUJIAC	Analyte		14.68	1237834		0	1237834.250	bb	0.936	93.6	0.005	1.059	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GHNUJIAC	Analyte		14.67	1267956		0	1267955.625	bb	0.920	92.0	0.005	1.039	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GHNUJIAC	Analyte		14.68	1246719		0	1246718.750	bb	0.931	93.1	0.005	1.039	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GHNUJIAC	Analyte		14.73	1261860		0	1261859.750	bb	0.913	91.3	0.005	1.059	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GHFPGIAC	Analyte		14.61	1237703		0	1237703.000	bb	0.857	85.7	0.005	1.053	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHFPGIAC	Analyte		14.67	1161818		0	1161818.375	bb	0.936	93.6	0.005	1.061	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHFPGIAC	Analyte		14.67	1268782		0	1268781.875	bb	0.934	93.4	0.005	1.000	1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	1.00	14.53	1265742		0	1265742.125	bb	0.940	94.0	0.005	1.058	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHFPGIAC	Analyte		14.67	1274261		0	1274260.500	bb	0.894	89.4	0.005	1.060	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GHFPGIAC	QC	1.00	14.58	1211557		0	1211556.625	bb	0.857	85.7	0.005	1.000	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 NSD	GHFPGIAC	QC	1.00	14.67	1161069		0	1161069.000	bb	0.959	95.9	1.000	1.000	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	1.00	14.61	1290096		0	1290096.375	bb							

Analyst: Mark Dymerski

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 7: 1,3-Dinitrobenzene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999794
Calibration Curve: $0.00469985 \cdot x + 0.00624284$
Response Type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve Type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal.File
1 ex24f0801	Blank	856.65.3	Blank				1560486	6							1.00	50	ex24f08
2 ex24f0802	5 µg/L	856.65.4	Standard	5.00	14.67	43017	1529636	6	0.032	bb	5.555	111.1	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	10.00	14.67	70701	1382308	6	0.051	bb	9.554	95.5	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	25.00	14.67	160506	1379407	6	0.116	bs	23.430	93.7	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	50.00	14.67	322226	1347899	6	0.239	bb	49.537	99.1	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	100.00	14.67	640155	1340821	6	0.477	bb	100.257	100.3	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	200.00	14.67	1281826	1365016	6	0.939	bb	198.477	99.2	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	300.00	14.67	1916937	1339393	6	1.431	bb	303.191	101.1	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank				1301398	6							1.00	50	ex24f08
10 ex24f0810	100 µg/L ICV	856.65.11	QC	100.00	14.67	520133	1283310	6	0.405	bb	84.909	84.9	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 µg/L	856.65.7	QC	50.00	14.73	298990	1248547	6	0.239	bs	49.624	99.2	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GRPNIAA	Blank				1189205	6							1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GRPNIAA	QC				1261229	6	0.452	bb	0.474	94.8	0.005	1.064	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GRNQTAC	Analyte	100.00	14.80	570042	1237834	6							1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GRNQTAC	Analyte				1267956	6							1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GRNQTAC	Analyte				1246719	6							1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GRNQTAC	Analyte				1261860	6							1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GRPGIAC	Analyte				1237703	6							1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GRPGIAC	Analyte				1161818	6							1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GRPGIAC	Analyte				1268782	6							1.00	50	ex24f08
21 ex24f0870	100 µg/L	856.65.8	QC	100.00	14.67	604362	1265742	6	0.477	bb	100.265	100.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GRPHIAC	Analyte				1274261	6							1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GRPHIAC	QC	100.00	14.81	558644	1211557	6	0.461	bb	0.457	96.8	0.005	1.058	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GRPHIAC	QC	100.00	14.80	561912	1161069	6	0.484	bb	0.511	101.6	0.005	1.060	1.00	50	ex24f08
25 ex24f0874	50 µg/L	856.65.7	QC	50.00	14.74	302979	1299096	6	0.233	bb	48.295	96.6	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslynk\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynk\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 8: Nitrobenzene-d5 Sample List: ex24f08(6) Method File: ex24f08
 Coefficient of Determination: 0.999839
 Calibration curve: $0.00328550 \cdot x + 0.00252420$
 Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank		15.67	221746	1360486	6	0.163	bb	48.841	97.7	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	15.67	27222	1329836	6	0.020	bb	5.463	109.3	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	15.67	47237	1382308	6	0.034	bb	9.633	96.3	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	15.67	109531	1379407	6	0.079	bb	23.400	93.6	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	15.67	222594	1347899	6	0.165	bb	49.485	99.0	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	15.67	453241	1340821	6	0.338	bb	102.118	102.1	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	15.67	893387	1365016	6	0.654	bb	198.437	99.2	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	15.67	1329956	1339393	6	0.993	bb	301.455	100.5	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.11	QC		15.67	204422	1301398	6	0.157	bb	47.041	94.1	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.12	QC	100.00	15.67	412590	1283310	6	0.322	bb	97.087	97.1	1.000	1.000	1.00	50	ex24f08
11 ex24f0811	50 ug/L	856.65.7	QC	50.00	15.73	206157	1248547	6	0.165	bb	49.488	99.0	1.000	1.000	1.00	50	ex24f08
12 ex24f0812	R4F070000-119 MB	GHPI11A	Blank		15.81	338556	1189205	6	0.285	bb	0.429	85.9	0.005	1.000	1.00	50	ex24f08
13 ex24f0813	R4F070000-119 LCS	GHPI11A	QC	100.00	15.87	375248	1361329	6	0.298	bb	0.449	88.8	0.005	1.000	1.00	50	ex24f08
14 ex24f0814	D4F040396-1	GHPI11A	Analyte		15.81	323592	1378334	6	0.261	bb	0.368	78.6	0.005	1.000	1.00	50	ex24f08
15 ex24f0815	D4F040396-2	GHPI11A	Analyte		15.80	383000	1267956	6	0.302	bb	0.430	91.2	0.005	1.000	1.00	50	ex24f08
16 ex24f0816	D4F040396-3	GHPI11A	Analyte		15.87	376414	1246719	6	0.302	bb	0.480	91.1	0.005	1.000	1.00	50	ex24f08
17 ex24f0817	D4F040396-4	GHPI11A	Analyte		15.87	3881	1261860	6	0.002	bb	0.000	0.0	0.005	1.000	1.00	50	ex24f08
18 ex24f0818	D4F050141-1	GHPI11A	Analyte		15.75	374457	1377703	6	0.006	bb	0.005	1.1	0.005	1.000	1.00	50	ex24f08
19 ex24f0819	D4F050141-2	GHPI11A	Analyte		15.75	374457	1361818	6	0.322	bb	0.462	97.3	0.005	1.000	1.00	50	ex24f08
20 ex24f0820	D4F050141-3	GHPI11A	Analyte		15.80	375390	1368782	6	0.296	bb	0.421	89.3	0.005	1.000	1.00	50	ex24f08
21 ex24f0821	D4F050141-4	GHPI11A	Analyte		15.80	410284	1365742	6	0.324	bb	97.891	97.9	1.000	1.000	1.00	50	ex24f08
22 ex24f0822	D4F050141-4 MS	GHPI11A	Analyte		15.80	379502	1374261	6	0.298	bb	0.425	89.9	0.005	1.000	1.00	50	ex24f08
23 ex24f0823	D4F050141-4 MS	GHPI11A	QC	100.00	15.81	359620	1311557	6	0.297	bb	0.423	89.6	0.005	1.060	1.00	50	ex24f08
24 ex24f0824	D4F050141-4 MS	GHPI11A	QC	100.00	15.80	348315	1161069	6	0.300	bb	0.455	90.5	0.005	0.994	1.00	50	ex24f08
25 ex24f0825	50 ug/L	856.65.7	QC	50.00	15.68	212177	1399096	6	0.163	bb	48.943	97.9	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

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Sample List: C:\Masslynx\Explosives\PRO\Samp\leD8\ex24f08(6)
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Compound 9: Nitroglycerin Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.995185
Calibration curve: $-1.73726e-6 * x^2 + 0.00121701 * x + 0.00554784$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DV	Idj	Cal File
1 ex24f0801	Blank	856.65.3	Blank				1360486	6								50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00 15.27	14522	1328636	6	0.011	db		4.444	88.9	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00 15.27	24587	1382308	6	0.018	ds		10.206	102.1	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00 15.27	54067	1379407	6	0.039	ds		28.835	115.3	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00 15.34	78510	1347899	6	0.058	db		46.371	92.7	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00 15.27	153395	1340821	6	0.114	ds		105.262	105.3	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00 15.27	231157	1365016	6	0.169	ds		181.735	90.9	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00 15.27	294413	1339393	6	0.220	ds1						1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank			1301398	6								1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00 15.27	154757	1283310	6	0.121	ds		112.643	112.6	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00 15.40	81673	1248547	6	0.065	ds		53.237	106.5	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000.119 MB	GHE3N1AA	Blank			1189205	6								1.00	50	ex24f08
13 ex24f0862	R4F070000.119 LCS	GHE3N1AC	QC			1261229	6								1.00	50	ex24f08
14 ex24f0863	D4F040396.1	GHE3N1AC	Analyte	100.00 15.47	127598	1257834	6	0.101	db		0.451	90.2	0.005	1.004	1.00	50	ex24f08
15 ex24f0864	D4F040396.2	GHE3N1AC	Analyte			1267956	6								1.00	50	ex24f08
16 ex24f0865	D4F040396.3	GHE3N1AC	Analyte			1246719	6								1.00	50	ex24f08
17 ex24f0866	D4F040396.4	GHE3N1AC	Analyte			1261860	6								1.00	50	ex24f08
18 ex24f0867	D4F050141.1	GHE3N1AC	Analyte			1237703	6								1.00	50	ex24f08
19 ex24f0868	D4F050141.2	GHE3N1AC	Analyte			1161818	6								1.00	50	ex24f08
20 ex24f0869	D4F050141.3	GHE3N1AC	Analyte			1268782	6								1.00	50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00 15.27	164026	1265742	6	0.130	ds		123.802	123.8	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141.4	GHE3N1AC	Analyte			1274261	6								1.00	50	ex24f08
23 ex24f0872	D4F050141.4 MS	GHE3N1AF	QC	100.00 15.35	82607	1211557	6	0.068	db		0.264	55.9	0.005	1.058	1.00	50	ex24f08
24 ex24f0873	D4F050141.4 MSD	GHE3N1AG	QC	100.00 15.40	112607	1161059	6	0.097	ds		0.431	85.6	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00 15.35	88390	1299096	6	0.068	ds		55.792	111.6	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

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Compound 10: Nitrobenzene
 Coefficient of Determination: 0.999681
 Calibration curve: $0.00326264 \cdot x + 0.00287069$
 Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
 Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	Wac	Vf(L)	Vs(L or kg)	DF	Inj	Cal.File
1 ex24f0801	Blank	856.65.3	Blank		15.87	1066	1360486	6	0.001	bb	0.000	109.8	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	15.94	27630	1328636	6	0.021	bb	5.489	93.1	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	15.94	45949	1382308	6	0.033	bb	9.308	96.2	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	15.94	112221	1379407	6	0.081	bb	24.055	97.5	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	15.94	218342	1347899	6	0.162	bb	48.769	101.5	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	15.94	456710	1340821	6	0.341	bb	103.520	100.7	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	15.94	900826	1365016	6	0.660	bb	201.391	99.2	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	15.94	1303764	1339393	6	0.973	bb	297.467	91.5	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank		16.27	696	1301398	6	0.001	bb	0.000	99.7	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	15.94	386899	1283310	6	0.301	bb	91.525	89.7	0.005	1.064	1.00	50	ex24f08
11 ex24f0810	50 ug/L	856.65.7	QC	50.00	16.00	206652	1248547	6	0.166	bb	49.850	0.005	0.005	1.000	1.00	50	ex24f08
12 ex24f0811	CHP3N1AA Blank					1189205	1237703	6	0.295	bb	0.448	0.005	0.005	1.059	1.00	50	ex24f08
13 ex24f0812	R4F070000-119 LCS					1261229	1267956	6				0.005	0.005	1.039	1.00	50	ex24f08
14 ex24f0813	D4F040396-1					1237834	1246719	6				0.005	0.005	1.053	1.00	50	ex24f08
15 ex24f0814	D4F040396-2					1267956	1261860	6				0.005	0.005	1.061	1.00	50	ex24f08
16 ex24f0815	D4F040396-3					1246719	1237703	6				0.005	0.005	1.053	1.00	50	ex24f08
17 ex24f0816	D4F040396-4					1261860	1161818	6				0.005	0.005	1.061	1.00	50	ex24f08
18 ex24f0817	D4F050141-1					1237703	1267956	6				0.005	0.005	1.061	1.00	50	ex24f08
19 ex24f0818	D4F050141-2					1267956	1261860	6				0.005	0.005	1.061	1.00	50	ex24f08
20 ex24f0819	D4F050141-3					1161818	1267956	6				0.005	0.005	1.061	1.00	50	ex24f08
21 ex24f0820	D4F050141-4					1267956	1261860	6				0.005	0.005	1.061	1.00	50	ex24f08
22 ex24f0821	D4F050141-5					1261860	1267956	6				0.005	0.005	1.061	1.00	50	ex24f08
23 ex24f0822	D4F050141-6 MS					1267956	1261860	6				0.005	0.005	1.061	1.00	50	ex24f08
24 ex24f0823	D4F050141-7					1261860	1267956	6				0.005	0.005	1.061	1.00	50	ex24f08
25 ex24f0824	50 ug/L	856.65.7	QC	50.00	16.01	207941	1239096	6	0.304	bb	0.464	92.2	0.005	0.994	1.00	50	ex24f08
									0.160	bb	48.180	96.4	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

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Compound 11: 2,4,6-Trinitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999412
Calibration curve: $0.0197297 \cdot x + 0.0572229$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	NT	Area	IS Area	IS#	Response	Plugs	Result	%Rec	Vs(L)	Vs(L or kg)	DF	Inj	Cal.File
1 ex24f0801	Blank	856.65.3	Blank				1360486	6							1.00	50	ex24f08
2 ex24f0802	5 µg/L	856.65.4	Standard	5.00	16.81	208869	1329636	6	0.157	bb	5.062	101.2	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	10.00	16.80	331482	1382308	6	0.240	bs	9.254	92.5	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	25.00	16.81	763530	1379407	6	0.554	bb	25.155	100.6	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	50.00	16.80	1475215	1347899	6	1.094	bs	52.572	105.1	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	100.00	16.81	2802048	1340821	6	2.090	bb	103.021	103.0	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	200.00	16.80	5323809	1365016	6	3.900	bb	194.780	97.4	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	300.00	16.80	8008512	1339393	6	5.979	bb	300.156	100.1	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank				1301398	6							1.00	50	ex24f08
10 ex24f0810	100 µg/L ICV	856.65.11	QC	100.00	16.81	2415242	1283310	6	1.882	bs	92.491	92.5	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 µg/L	856.65.7	QC	50.00	16.87	1342547	1248547	6	1.075	bb	51.601	103.2	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GH3N1AA	Blank				1189205	6							1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GH3N1AC	QC				1261229	6	1.833	bs	0.450	90.0	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GH3N1AC	Analyte				1217834	6							1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GH3N1AC	Analyte				1267956	6							1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GH3N1AC	Analyte				1246719	6							1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GH3N1AC	Analyte				1261860	6							1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GH3N1AC	Analyte				1237703	6							1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GH3N1AC	Analyte				1161818	6							1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GH3N1AC	Analyte				1268782	6							1.00	50	ex24f08
21 ex24f0870	100 µg/L	856.65.8	QC	100.00	16.80	2666876	1265742	6	2.107	bb	103.891	103.9	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GH3N1AC	Analyte				1274261	6							1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GH3N1AC	QC				1211557	6	1.846	bs	0.428	90.7	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GH3N1AC	QC				1161069	6	1.822	bs	0.450	89.4	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 µg/L	856.65.7	QC	50.00	16.81	1343194	1299096	6	1.034	bs	49.505	99.0	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

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Compound 12: 4-Amino-2,6-dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999892
Calibration curve: $0.00384779 \times x + 0.00731589$
Response type: Internal Std (Ref 15), Area = (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal.File
1 ex24f0801	Blank	856.65.3	Blank				3817177	15								50	ex24f08
2 ex24f0802	5 µg/L	856.65.4	Standard	5.00	17.52	112715	3855573	15	0.029	dd	5.686	113.9	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	10.00	17.52	177105	4177753	15	0.042	bd	9.116	91.2	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	25.00	17.52	403385	4030853	15	0.100	dd	24.107	96.4	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	50.00	17.52	786070	4009979	15	0.196	dd	49.044	98.1	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	100.00	17.52	1534346	3932798	15	0.390	dd	99.492	99.5	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	200.00	17.52	3098139	3981381	15	0.778	dd	200.334	100.2	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	300.00	17.52	4580788	3914677	15	1.170	bd	302.210	100.7	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank				3861971	15								50	ex24f08
10 ex24f0810	100 µg/L ICV	856.65.11	QC	100.00	17.52	1296034	3925735	15	0.330	dd	83.898	83.9	1.000	1.000	1.00	50	ex24f08
11 ex24f0811	50 µg/L	856.65.7	QC	50.00	17.58	712346	3646216	15	0.195	dd	48.872	97.7	1.000	1.000	1.00	50	ex24f08
12 ex24f0812	R4F07000-119 MB	GHPI3IAA	Blank				3561077	15								50	ex24f08
13 ex24f0813	R4F07000-119 LCS	GHPI3IAA	QC	100.00	17.65	1252215	3704864	15	0.338	dd	0.430	85.9	0.005	1.000	1.00	50	ex24f08
14 ex24f0814	D4F040396-1	GHNTJAC	Analyte				3701904	15								50	ex24f08
15 ex24f0815	D4F040396-2	GHNTJAC	Analyte				3671629	15								50	ex24f08
16 ex24f0816	D4F040398-1	GHNOVIAC	Analyte				3567678	15								50	ex24f08
17 ex24f0817	D4F040398-3	GHNOVIAC	Analyte				3664496	15								50	ex24f08
18 ex24f0818	D4F040398-4	GHNOVIAC	Analyte				3651261	15								50	ex24f08
19 ex24f0819	D4F050141-1	GHPI3IAA	Analyte				3510469	15								50	ex24f08
20 ex24f0820	D4F050141-2	GHPI3IAA	Analyte				3902049	15								50	ex24f08
21 ex24f0821	D4F050141-3	GHPI3IAA	Analyte				3893722	15	0.383	dd	97.735	97.7	1.000	1.000	1.00	50	ex24f08
22 ex24f0822	D4F050141-4	GHPI3IAA	Analyte				3704875	15								50	ex24f08
23 ex24f0823	D4F050141-4 MS	GHPI3IAA	QC	100.00	17.66	1288847	3547519	15	0.363	dd	0.436	92.5	0.005	1.058	1.00	50	ex24f08
24 ex24f0824	D4F050141-4 MS	GHPI3IAA	QC	100.00	17.65	1260408	3528786	15	0.357	dd	0.457	90.9	0.005	1.060	1.00	50	ex24f08
25 ex24f0825	50 µg/L	856.65.7	QC	50.00	17.53	739913	3784978	15	0.195	dd	48.904	97.8	1.000	1.000	1.00	50	ex24f08

Analyte: Mark Dynarski

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Compound 13: 2-Amino-4,6-dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.99315
Calibration curve: $0.00327826 * X + 0.00951427$
Response Type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve Type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vz(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank				3817177	15								50	ex24f08
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00 18.75	18.75	97452	3855573	15	0.025	db	4.808	96.2	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00 18.75	18.75	168873	4177753	15	0.040	dd	9.428	94.3	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00 18.75	18.75	378076	4030853	15	0.181	db	25.785	103.1	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00 18.75	18.75	728480	4069579	15	0.351	db	52.361	104.7	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00 18.75	18.75	1381644	3821798	15	0.658	db	104.262	104.3	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00 18.75	18.75	2821255	3981181	15	0.978	db	197.928	99.0	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00 18.75	18.75	3828594	3914677	15	0.000	db	295.428	98.5	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank			809	3861971	15								50	ex24f08
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00 18.75	18.75	1251251	3925735	15	0.319	db	94.323	94.3	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00 18.81	18.81	684563	3646216	15	0.188	db	54.368	108.7	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHP3NIAA	QC				3561077	15								50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GHP3NIAA	QC				3704864	15	0.332	db	0.491	98.2	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GHP3NIAA	Analyte	100.00 18.94	18.94	1228551	3701904	15								50	ex24f08
15 ex24f0864	D4F040396-2	GHP3NIAA	Analyte				3671629	15								50	ex24f08
16 ex24f0865	D4F040396-3	GHP3NIAA	Analyte				3667678	15								50	ex24f08
17 ex24f0866	D4F040396-4	GHP3NIAA	Analyte				3664496	15								50	ex24f08
18 ex24f0867	D4F050141-1	GHPG9IAC	Analyte				3651261	15								50	ex24f08
19 ex24f0868	D4F050141-2	GHPG9IAC	Analyte				3510469	15								50	ex24f08
20 ex24f0869	D4F050141-3	GHPG9IAC	Analyte				3902049	15								50	ex24f08
21 ex24f0870	100 ug/L	856.65.8	QC	100.00 18.75	18.75	1355191	3893722	15	0.348	db	103.265	103.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHPH1IAC	Analyte				3704475	15								50	ex24f08
23 ex24f0872	D4F050141-4 MS	GHPH1IAC	QC	100.00 18.89	18.89	1200314	3547519	15	0.338	db	0.473	100.3	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHPH1IAC	QC	100.00 18.94	18.94	1138416	3528786	15	0.323	db	0.480	95.5	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00 18.82	18.82	696682	3784978	15	0.184	db	53.245	106.5	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 14: 2,6-Dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.999723

Calibration curve: $0.00939387 * x + 0.0126380$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal.File
1 ex24f0801	Blank	856.65.3	Blank														
2 ex24f0802	5 µg/L	856.65.4	Standard	5.00 18.97	18.97	255576	3817177	15	0.066	bd	5.711	114.2	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	10.00 18.96	18.96	411369	4177753	15	0.099	bd	9.152	91.5	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	25.00 18.97	18.97	931465	4030853	15	0.231	bd	23.254	93.0	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	50.00 18.96	18.96	1908512	4009979	15	0.476	bd	49.320	98.6	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	100.00 18.97	18.97	3815210	3932798	15	0.970	bd	101.924	101.9	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	200.00 18.96	18.96	7634916	3981381	15	1.918	bd	202.794	101.4	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	300.00 18.96	18.96	11002421	3914677	15	2.811	bd	297.845	99.3	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank														
10 ex24f0810	100 µg/L ICV	856.65.11	QC	100.00 18.97	18.97	3264129	3925735	15	0.931	bd	87.167	87.2	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 µg/L	856.65.7	QC	50.00 19.03	19.03	1789872	3646216	15	0.491	bd	50.911	101.8	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB																
13 ex24f0862	R4F070000-119 LCS																
14 ex24f0863	D4F040396-1																
15 ex24f0864	D4F040396-2																
16 ex24f0865	D4F040396-3																
17 ex24f0866	D4F040396-4																
18 ex24f0867	D4F050141-1																
19 ex24f0868	D4F050141-2																
20 ex24f0869	D4F050141-3																
21 ex24f0870	100 µg/L	856.65.8	QC	100.00 18.90	18.90	3695958	3893722	15	0.949	bd	99.700	99.7	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4																
23 ex24f0872	D4F050141-4 MS																
24 ex24f0873	D4F050141-4 MSD																
25 ex24f0874	50 µg/L	856.65.7	QC	50.00 18.98	18.98	1740602	3784978	15	0.460	bd	47.609	95.2	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
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Compound 15: 2,4-Dinitrotoluene-d3 (I8) Sample List: ex24f08(6) Method File: ex24f08																
Response Factor: 3.861446																
RRF SD: 10326, % Relative SD: 2.59715																
Response type: External Std, Area																
Curve type: RP																
# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal. File
1 ex24f0801	Blank	856.65.3	Blank		19.80	381177		0 381176.750	db	0.958	95.8	1.000	1.000	1.00	50	ex24f08
2 ex24f0802	5 µg/L	856.65.4	Standard	1.00	19.81	3855573		0 3855572.500	db	0.967	96.7	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	1.00	19.80	4177753		0 4177753.250	db	1.048	104.8	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	1.00	19.81	4030853		0 4030853.000	db	1.011	101.1	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	1.00	19.80	4003979		0 4003978.750	db	1.006	100.6	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	1.00	19.81	3932798		0 3932797.500	db	0.987	98.7	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	1.00	19.80	3981381		0 3981380.500	db	0.999	99.9	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	1.00	19.74	3914677		0 3914677.000	db	0.982	98.2	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank		19.80	3861971		0 3861971.000	db	0.969	96.9	1.000	1.000	1.00	50	ex24f08
10 ex24f0810	100 µg/L ICV	856.65.11	QC	1.00	19.81	3925735		0 3925735.250	db	0.985	98.5	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 µg/L	856.65.7	QC	1.00	19.86	3646216		0 3646216.250	db	0.915	91.5	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHP3N1AA	Blank		19.95	3561077		0 3561076.750	db	0.893	89.3	0.005	1.000	1.00	50	ex24f08
13 ex24f0862	R4F070000-119 LCS	GHP3N1AC	QC	1.00	19.93	3704864		0 3704864.000	db	0.929	92.9	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GHNJQ1AC	Analyte		19.93	3701904		0 3701904.000	db	0.929	92.9	0.005	1.064	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GHNJQ1AC	Analyte		19.93	3671629		0 3671628.750	db	0.921	92.1	0.005	1.059	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GHNJQ1AC	Analyte		19.88	3567678		0 3567677.500	db	0.895	89.5	0.005	0.950	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GHNJQ1AC	Analyte		19.93	3664496		0 3664496.250	db	0.919	91.9	0.005	1.039	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GHPG91AC	Analyte		19.93	3651261		0 3651261.250	db	0.916	91.6	0.005	1.059	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHPHF1AC	Analyte		19.88	3510469		0 3510469.250	db	0.881	88.1	0.005	1.053	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHPGH1AC	Analyte		19.86	3902049		0 3902049.000	db	0.979	97.9	0.005	1.061	1.00	50	ex24f08
21 ex24f0870	100 µg/L	856.65.8	QC	1.00	19.74	3893722		0 3893721.500	db	0.977	97.7	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHPHH1AC	Analyte		19.86	3704475		0 3704475.000	db	0.929	92.9	0.005	1.058	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GHPHH1AC	QC	1.00	19.95	3547519		0 3547519.000	db	0.890	89.0	0.005	1.060	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHPHH1AC	QC	1.00	19.93	3528786		0 3528785.750	db	0.885	88.5	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 µg/L	856.65.7	QC	1.00	19.82	3784978		0 3784977.500	db	0.950	95.0	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

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Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
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Last modified: Tue Jun 08 12:58:36 2004
Job Code:

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Compound 16: 2,4-Dinitrotoluene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.999823

Calibration curve: $0.00484792 \cdot x + 0.00610633$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vx(L)	Vs(L or kg)	DF	Inj Cal.File
1	ex24f0801	Blank	856.65.3	Blank												
2	ex24f0802	5 ug/L	856.65.4	Standard	5.00 19.93	128976	3817177	15	0.033	db	5.641	112.8	1.000	1.000	1.00	50 ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	10.00 19.93	213047	3855573	15	0.051	db	9.259	92.6	1.000	1.000	1.00	50 ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	25.00 19.93	482256	4177753	15	0.120	db	23.419	93.7	1.000	1.000	1.00	50 ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	50.00 19.93	991549	4009979	15	0.247	db	49.746	99.5	1.000	1.000	1.00	50 ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	100.00 19.93	1939482	3932798	15	0.493	db	100.466	100.5	1.000	1.000	1.00	50 ex24f08
7	ex24f0807	200 ug/L	856.65.9	Standard	200.00 19.93	3938645	3981381	15	0.989	db	202.801	101.4	1.000	1.000	1.00	50 ex24f08
8	ex24f0808	300 ug/L	856.65.10	Standard	300.00 19.93	5692040	3914677	15	1.454	db	298.668	99.6	1.000	1.000	1.00	50 ex24f08
9	ex24f0809	Blank	856.65.3	Blank												
10	ex24f0810	100 ug/L ICV	856.65.11	QC	100.00 19.93	1653984	3861971	15	0.421	db	85.648	85.6	1.000	1.000	1.00	50 ex24f08
11	ex24f0860	50 ug/L	856.65.7	QC	50.00 19.99	902800	3646216	15	0.248	db	49.814	99.6	1.000	1.000	1.00	50 ex24f08
12	ex24f0861	R4F070000-119 MB	GRP3N1AA	Blank												
13	ex24f0862	R4F070000-119 LCS	GRP3N1AC	QC	100.00 20.12	1723392	3561077	15	0.465	db	0.473	94.7	0.005	1.000	1.00	50 ex24f08
14	ex24f0863	D4F040396-1	GRN01AC	Analyte			3701904	15					0.005	1.064	1.00	50 ex24f08
15	ex24f0864	D4F040396-2	GRN01AC	Analyte			3671629	15					0.005	1.059	1.00	50 ex24f08
16	ex24f0865	D4F040396-3	GRN01AC	Analyte			3664496	15					0.005	0.950	1.00	50 ex24f08
17	ex24f0866	D4F040396-4	GRN01AC	Analyte			3651261	15					0.005	1.039	1.00	50 ex24f08
18	ex24f0867	D4F050141-1	GRP91AC	Analyte			3510469	15					0.005	1.059	1.00	50 ex24f08
19	ex24f0868	D4F050141-2	GRPH1AC	Analyte			3902049	15					0.005	1.053	1.00	50 ex24f08
20	ex24f0869	D4F050141-3	GRPH1AC	Analyte			3893722	15	0.512	db	104.269	104.3	1.000	1.000	1.00	50 ex24f08
21	ex24f0870	100 ug/L	856.65.8	QC	100.00 19.93	1992007	3893722	15					0.005	1.058	1.00	50 ex24f08
22	ex24f0871	D4F050141-4	GRPH1AC	Analyte			3704475	15					0.005	1.060	1.00	50 ex24f08
23	ex24f0872	D4F050141-4 MS	GRPH1AC	QC	100.00 20.08	1654373	3547519	15	0.466	db	0.448	94.9	0.005	1.000	1.00	50 ex24f08
24	ex24f0873	D4F050141-4 MS	GRPH1AC	QC	100.00 20.12	1650187	3528786	15	0.468	db	0.479	95.2	0.005	0.994	1.00	50 ex24f08
25	ex24f0874	50 ug/L	856.65.7	QC	50.00 20.01	939827	3784978	15	0.248	db	49.959	99.9	1.000	1.000	1.00	50 ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

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Compound 17: 2-Nitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999376
Calibration curve: $0.00184543 \cdot x + 0.00276058$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	VF(L)	Val (or kg)	DF	Inj	Cal File
1	Blank	856.65.3	Blank														
2	ex24f0801	856.65.4	Standard	5.00	22.19	53045	3817177	15	0.014	bd	5.653	113.1	1.000	1.000	1.00	50	ex24f08
3	ex24f0802	856.65.5	Standard	10.00	22.25	86342	3855573	15	0.021	bd	9.204	92.0	1.000	1.000	1.00	50	ex24f08
4	ex24f0803	856.65.6	Standard	25.00	22.26	190590	4177753	15	0.047	bd	22.866	91.5	1.000	1.000	1.00	50	ex24f08
5	ex24f0804	856.65.7	Standard	50.00	22.25	395350	4030853	15	0.099	bd	49.260	98.5	1.000	1.000	1.00	50	ex24f08
6	ex24f0805	856.65.8	Standard	100.00	22.19	820542	4009979	15	0.209	bd	105.828	105.8	1.000	1.000	1.00	50	ex24f08
7	ex24f0806	856.65.9	Standard	200.00	22.19	1557844	3932798	15	0.391	bd	199.710	99.9	1.000	1.000	1.00	50	ex24f08
8	ex24f0807	856.65.10	Standard	300.00	22.19	2276175	3981381	15	0.581	bd	297.459	99.2	1.000	1.000	1.00	50	ex24f08
9	ex24f0808	856.65.11	Blank				3914677	15									
10	ex24f0809	856.65.11	ICV			684324	3861971	15	0.174	bd	88.185	88.2	1.000	1.000	1.00	50	ex24f08
11	ex24f0810	856.65.7	QC	50.00	22.32	377937	3925735	15	0.104	bd	51.861	103.7	1.000	1.000	1.00	50	ex24f08
12	ex24f0861	GHP3N1AA	Blank				3561077	15									
13	ex24f0862	R4F070000-119	MB				3704864	15	0.171	bb	0.433	86.7	0.005	1.000	1.00	50	ex24f08
14	ex24f0863	R4F040396-1	QC	100.00	22.45	634764	3701904	15									
15	ex24f0864	D4F040396-2	GNJQ1AC				3671629	15									
16	ex24f0865	D4F040396-3	GNJQ1AC				3567678	15									
17	ex24f0866	D4F040396-4	GNJQ1AC				3564496	15									
18	ex24f0867	D4F050141-1	GNJQ1AC				3552261	15									
19	ex24f0868	D4F050141-2	GNJQ1AC				3510469	15									
20	ex24f0869	D4F050141-3	GNJQ1AC				3902049	15									
21	ex24f0870	100 ug/L	QC	100.00	22.19	771458	3993722	15	0.198	bd	100.424	100.4	1.000	1.000	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GNJQ1AC				3704475	15									
23	ex24f0872	D4F050141-4	MS				3547519	15	0.170	bb	0.404	85.7	0.005	1.000	1.00	50	ex24f08
24	ex24f0873	D4F050141-4	MSD				3528786	15	0.163	bb	0.415	82.5	0.005	0.994	1.00	50	ex24f08
25	ex24f0874	50 ug/L	QC	50.00	22.27	361215	3784978	15	0.095	bd	47.637	95.3	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dynarski

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Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
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Compound 18: PETN Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999250
Calibration curve: $-1.57355e-6 * x^2 + 0.0120212 * x + 0.00240288$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank														
2 ex24f0802	5 ug/L	856.65.4	Standard	5.00	22.19	33433	3855573	15	0.009	bb	5.251	105.0	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 ug/L	856.65.5	Standard	10.00	22.25	56157	4177753	15	0.013	bb	9.296	93.0	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 ug/L	856.65.6	Standard	25.00	22.19	128718	4030853	15	0.032	bb	25.410	101.6	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 ug/L	856.65.7	Standard	50.00	22.19	233139	4009979	15	0.058	bb	43.584	99.2	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 ug/L	856.65.8	Standard	100.00	22.19	431450	3932798	15	0.110	bb	103.203	103.2	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 ug/L	856.65.9	Standard	200.00	22.25	698006	3881381	15	0.176	bb	192.613	96.3	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 ug/L	856.65.10	Standard	300.00	22.19	874583	3914677	15	0.223	bb	308.124	102.7	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank														
10 ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	22.19	402664	3861971	15	0.103	bb	95.185	95.2	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 ug/L	856.65.7	QC	50.00	22.32	253269	3646216	15	0.069	bb	60.588	121.2	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHPJNTAA	Blank				3561077	15									
13 ex24f0862	R4F070000-119 LCS	GHPJNTAC	QC	100.00	22.38	388451	3704864	15	0.105	bb	0.489	97.7	0.005	1.000	1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GHPJNTAC	Analyte				3701904	15									
15 ex24f0864	D4F040396-2	GHPJNTAC	Analyte				3671629	15									
16 ex24f0865	D4F040396-3	GHPJNTAC	Analyte				3567678	15									
17 ex24f0866	D4F040396-4	GHPJNTAC	Analyte				3664496	15									
18 ex24f0867	D4F050141-1	GHPG91AC	Analyte				3651261	15									
19 ex24f0868	D4F050141-2	GHPG91AC	Analyte				3510469	15									
20 ex24f0869	D4F050141-3	GHPG91AC	Analyte				3502043	15									
21 ex24f0870	100 ug/L	856.65.8	QC	100.00	22.19	447861	3893722	15	0.115	bb	109.329	109.3	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHPH11AC	Analyte				3704475	15									
23 ex24f0872	D4F050141-4 MS	GHPH11AC	QC	100.00	22.34	372542	3547519	15	0.105	bb	0.462	97.9	0.005	1.058	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHPH11AC	QC	100.00	22.38	368141	3528786	15	0.104	bb	0.489	97.1	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 ug/L	856.65.7	QC	50.00	22.27	256353	3784978	15	0.068	bb	58.881	117.8	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives\PRO\MethodB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 19: 4-Nitrotoluene Sample List: ex24f08(6) Method File: ex24f08
Coefficient of Determination: 0.999580
Calibration curve: $0.00156067 * x + 0.00221084$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Loj	Cal File
1	ex24f0801	Blank	856.65.3	Blank													
2	ex24f0802	5 ug/L	856.65.4	Standard	5.00	23.74	41580	3817177	15		5.493	109.9	1.000	1.000	1.00	50	ex24f08
3	ex24f0803	10 ug/L	856.65.5	Standard	10.00	23.77	6939	3855573	15	dd	3.310	93.1	1.000	1.000	1.00	50	ex24f08
4	ex24f0804	25 ug/L	856.65.6	Standard	25.00	23.77	158421	4177753	15	dd	23.766	95.1	1.000	1.000	1.00	50	ex24f08
5	ex24f0805	50 ug/L	856.65.7	Standard	50.00	23.75	315398	4009979	15	dd	48.981	98.0	1.000	1.000	1.00	50	ex24f08
6	ex24f0806	100 ug/L	856.65.8	Standard	100.00	23.77	652520	3932798	15	dd	104.895	104.9	1.000	1.000	1.00	50	ex24f08
7	ex24f0807	200 ug/L	856.65.9	Standard	200.00	23.77	1248681	3981381	15	dd	199.542	99.8	1.000	1.000	1.00	50	ex24f08
8	ex24f0808	300 ug/L	856.65.10	Standard	300.00	23.72	1829369	3914677	15	dd	298.013	99.3	1.000	1.000	1.00	50	ex24f08
9	ex24f0809	Blank	856.65.3	Blank													
10	ex24f0810	100 ug/L ICV	856.65.11	QC	100.00	23.77	556013	3861971	15	bb	0.000		1.000	1.000	1.00	50	ex24f08
11	ex24f0860	50 ug/L	856.65.7	QC	50.00	23.84	292786	3925735	15	dd	89.335	89.3	1.000	1.000	1.00	50	ex24f08
12	ex24f0861	R4F070000-119 MB	GHF3N1AA	Blank				3646216	15	dd	50.035	100.1	1.000	1.000	1.00	50	ex24f08
13	ex24f0862	R4F070000-119 LCS	GHF3N1AA	QC				3561077	15				0.005	1.000	1.00	50	ex24f08
14	ex24f0863	D4F040396-1	GHNTQAC	Analyte	100.00	23.95	556098	3704864	15	dd	0.474	94.8	0.005	1.064	1.00	50	ex24f08
15	ex24f0864	D4F040396-2	GHNTQAC	Analyte				3671629	15				0.005	1.059	1.00	50	ex24f08
16	ex24f0865	D4F040396-3	GHNTQAC	Analyte				3664496	15				0.005	1.039	1.00	50	ex24f08
17	ex24f0866	D4F040396-4	GHNTQAC	Analyte				3651261	15				0.005	1.059	1.00	50	ex24f08
18	ex24f0867	D4F050141-1	GHF6IAC	Analyte				3510469	15				0.005	1.053	1.00	50	ex24f08
19	ex24f0868	D4F050141-2	GHF6IAC	Analyte				3902049	15				0.005	1.061	1.00	50	ex24f08
20	ex24f0869	D4F050141-3	GHF6IAC	Analyte				3891722	15				0.005	1.000	1.00	50	ex24f08
21	ex24f0870	100 ug/L	856.65.8	QC	100.00	23.72	628921	3704475	15	dd	102.078	102.1	1.000	1.000	1.00	50	ex24f08
22	ex24f0871	D4F050141-4	GHF6IAC	Analyte				3547519	15	dd	0.420	89.1	0.005	1.058	1.00	50	ex24f08
23	ex24f0872	D4F050141-4 MS	GHF6IAC	QC	100.00	23.93	501373	3526786	15	dd	0.442	87.9	0.005	0.994	1.00	50	ex24f08
24	ex24f0873	D4F050141-4 MSD	GHF6IAC	QC	100.00	23.93	491726	3784978	15	dd	48.156	96.3	1.000	1.000	1.00	50	ex24f08
25	ex24f0874	50 ug/L	856.65.7	QC	50.00	23.79	292830										

Analyst: Mark Dymarski

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives\PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives\PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:08 2004

Compound 20: 3-Nitrotoluene Sample List: ex24f08(6) Method File: ex24f08

Coefficient of Determination: 0.996943

Calibration curve: $0.00131785 * x + 0.00148899$

Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	Area	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f0801	Blank	856.65.3	Blank														
2 ex24f0802	5 µg/L	856.65.4	Standard	5.00	25.16	34454	3817177	15	0.009	db	5.651	113.0	1.000	1.000	1.00	50	ex24f08
3 ex24f0803	10 µg/L	856.65.5	Standard	10.00	25.18	57285	4372753	15	0.014	db	9.275	92.8	1.000	1.000	1.00	50	ex24f08
4 ex24f0804	25 µg/L	856.65.6	Standard	25.00	25.16	128337	4038853	15	0.032	db	23.030	92.1	1.000	1.000	1.00	50	ex24f08
5 ex24f0805	50 µg/L	856.65.7	Standard	50.00	25.16	258655	4009779	15	0.065	db	48.043	96.1	1.000	1.000	1.00	50	ex24f08
6 ex24f0806	100 µg/L	856.65.8	Standard	100.00	25.16	548231	3932798	15	0.139	db	104.649	104.6	1.000	1.000	1.00	50	ex24f08
7 ex24f0807	200 µg/L	856.65.9	Standard	200.00	25.16	1103420	3981381	15	0.278	db	209.553	104.8	1.000	1.000	1.00	50	ex24f08
8 ex24f0808	300 µg/L	856.65.10	Standard	300.00	25.14	1500890	3914677	15	0.383	db	289.800	96.6	1.000	1.000	1.00	50	ex24f08
9 ex24f0809	Blank	856.65.3	Blank														
10 ex24f0810	100 µg/L ICV	856.65.11	QC	100.00	25.18	446001	3861971	15	0.114	db	85.079	85.1	1.000	1.000	1.00	50	ex24f08
11 ex24f0860	50 µg/L	856.65.7	QC	50.00	25.25	255134	3925735	15	0.070	db	51.966	103.9	1.000	1.000	1.00	50	ex24f08
12 ex24f0861	R4F070000-119 MB	GHPIIIAA	Blank														
13 ex24f0862	R4F070000-119 LCS	GHPIIIAA	QC				3561077	15		db					1.00	50	ex24f08
14 ex24f0863	D4F040396-1	GHPIIIAA	Analyte	100.00	25.37	449800	3701904	15	0.121	db	0.455	91.0	0.005	1.000	1.00	50	ex24f08
15 ex24f0864	D4F040396-2	GHPIIIAA	Analyte				3671629	15					0.005	1.000	1.00	50	ex24f08
16 ex24f0865	D4F040396-3	GHPIIIAA	Analyte				3567678	15					0.005	1.000	1.00	50	ex24f08
17 ex24f0866	D4F040396-4	GHPIIIAA	Analyte				3664496	15					0.005	1.000	1.00	50	ex24f08
18 ex24f0867	D4F050141-1	GHPIIIAA	Analyte				3651261	15					0.005	1.000	1.00	50	ex24f08
19 ex24f0868	D4F050141-2	GHPIIIAA	Analyte				3510469	15					0.005	1.000	1.00	50	ex24f08
20 ex24f0869	D4F050141-3	GHPIIIAA	Analyte				3902049	15					0.005	1.000	1.00	50	ex24f08
21 ex24f0870	100 µg/L	856.65.8	QC	100.00	25.14	529039	3893722	15	0.136	db	101.970	102.0	1.000	1.000	1.00	50	ex24f08
22 ex24f0871	D4F050141-4	GHPIIIAA	Analyte				3704475	15					0.005	1.000	1.00	50	ex24f08
23 ex24f0872	D4F050141-4 MS	GHPIIIAA	QC	100.00	25.35	407817	3547519	15	0.115	db	0.406	86.1	0.005	1.000	1.00	50	ex24f08
24 ex24f0873	D4F050141-4 MSD	GHPIIIAA	QC	100.00	25.39	393552	3528786	15	0.112	db	0.420	83.5	0.005	0.994	1.00	50	ex24f08
25 ex24f0874	50 µg/L	856.65.7	QC	50.00	25.23	245994	3784978	15	0.065	db	48.187	96.4	1.000	1.000	1.00	50	ex24f08

Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

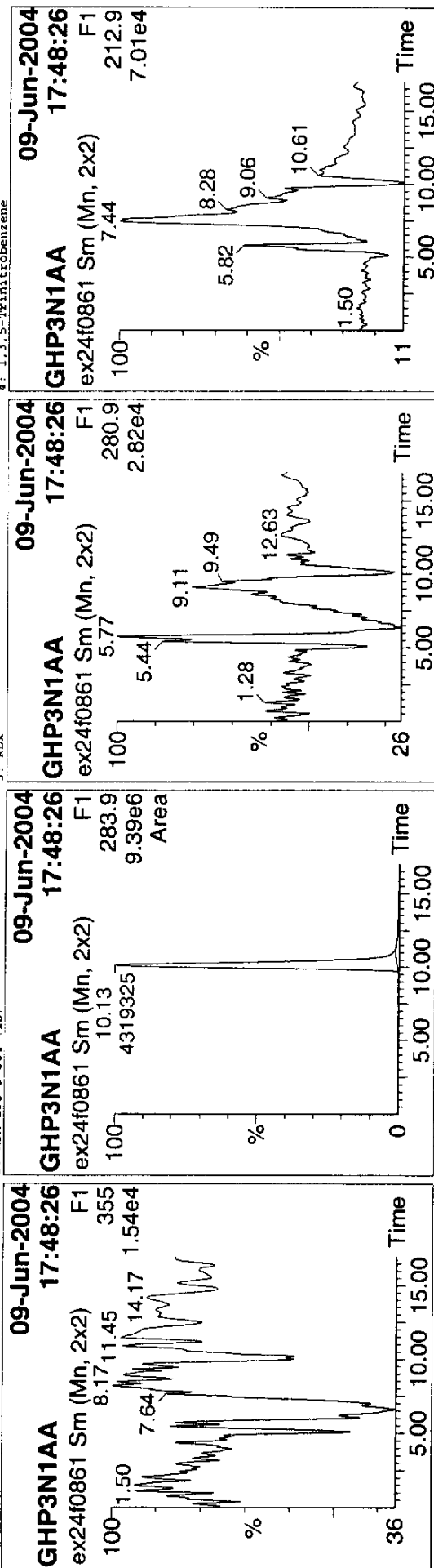
Name: ex24f0861
Text: R4F070000-119 WB

1: HPX

2: RDX 13C-3 284 (IS)

3: RDX

4: 1,3,5-Trinitrobenzene

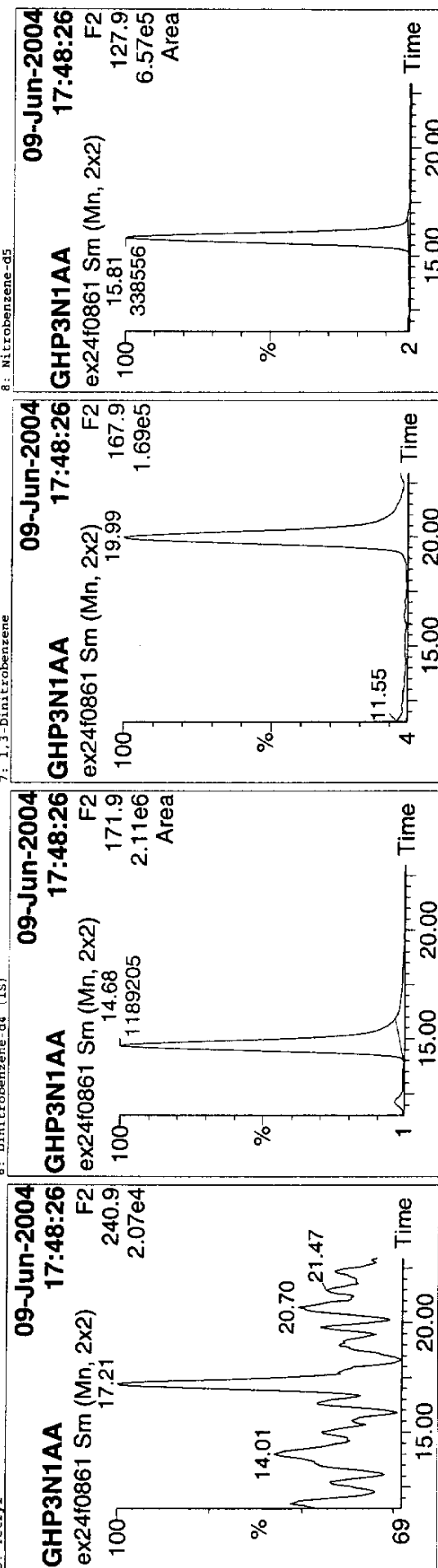


5: Tetra

6: Dinitrobenzene-d4 (IS)

7: 1,3-Dinitrobenzene

8: Nitrobenzene-d5



Analyst: Mark Dymerski

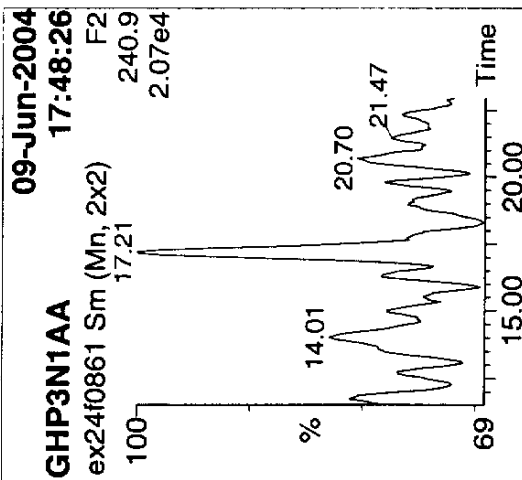
Quantify Sample Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

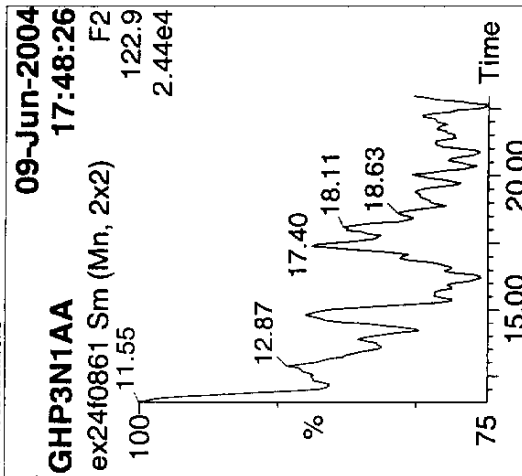
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0861
Text: R4P070000-119 MB

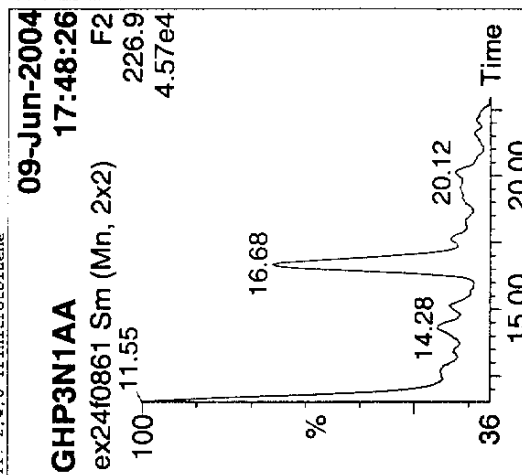
9: Nitroglycerin



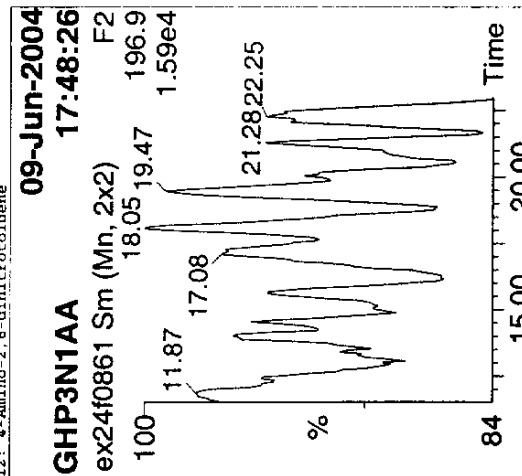
10: Nitrobenzene



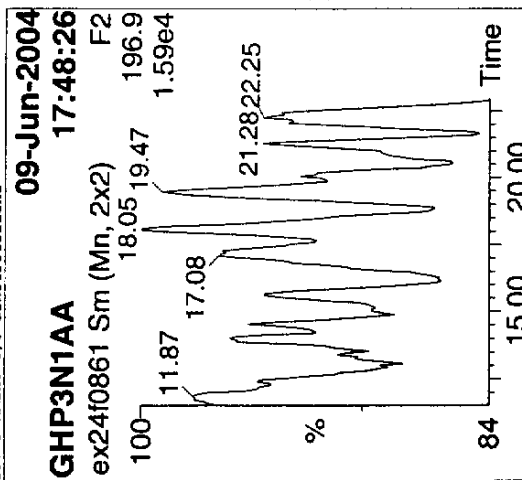
11: 2,4,6-Trinitrotoluene



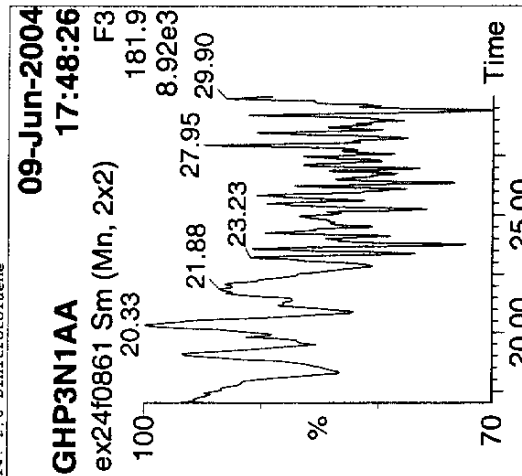
12: 4-Amino-2,6-dinitrotoluene



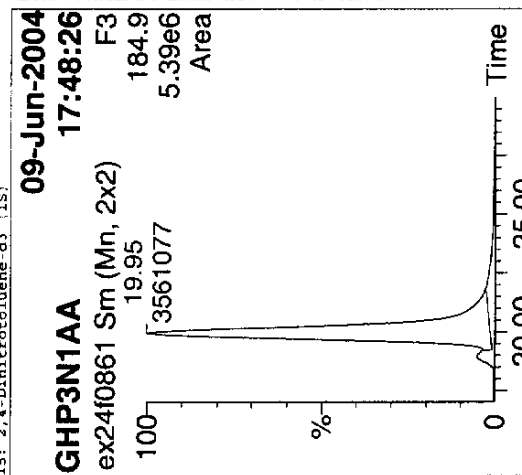
13: 2-Amino-4,6-dinitrotoluene



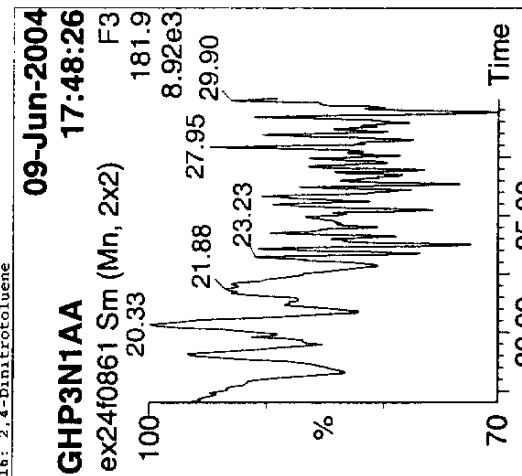
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene

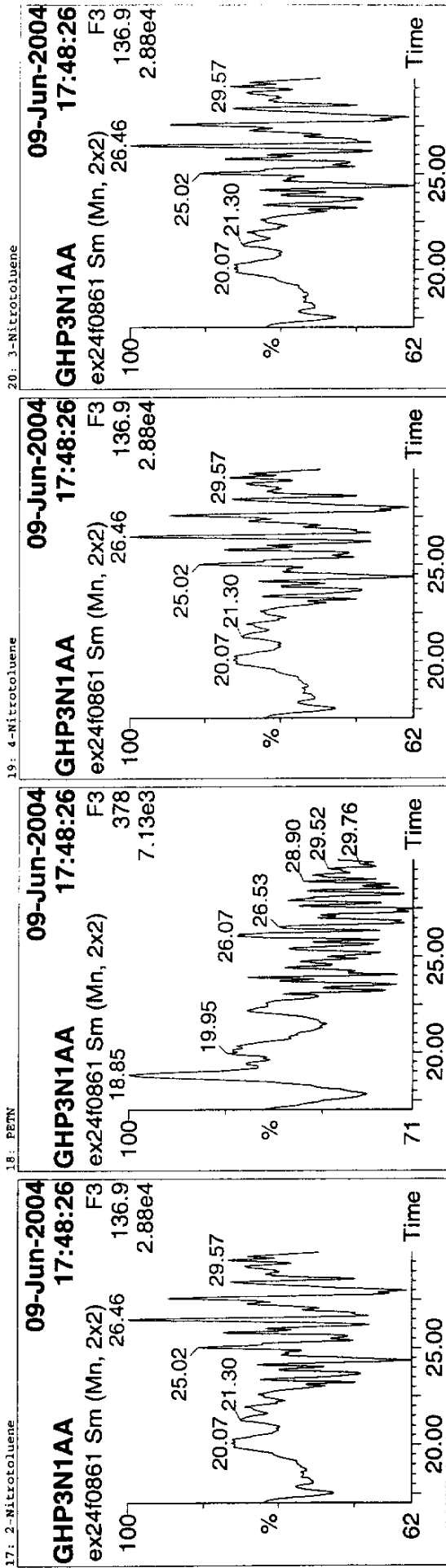


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0861
Text: R4F070000-119 MB



# Name	RT	Area	IS Area	Response Flags	Result	%Rec	Mod.Date	Mod.Comment
1 RDX	10.13	4319325	4319325			0.838	83.82	
2 RDX 13C-3 284 (IS)				4319325.. bb				
3 RDX			4319325					
4 1,3,5-Trinitrobenzene			1189205					
5 Tetrayl			1189205					
6 Dinitrobenzene-d4 (IS)	14.68	1189205	1189205			0.878	87.77	
7 1,3-Dinitrobenzene			1189205	1189204.. bb				
8 Nitrobenzene-d5	15.81	338556	1189205	0.285 bb		0.429	85.88	
9 Nitroglycerin			1189205					
10 Nitrobenzene			1189205					
11 2,4,6-Trinitrotoluene			1189205					
12 4-Amino-2,6-dinitrotoluene			1189205					
13 2-Amino-4,6-dinitrotoluene			3561077					
14 2,6-Dinitrotoluene			3561077					
15 2,4-Dinitrotoluene-d3 (IS)	19.95	3561077	3561077	3561076.. db		0.893	89.34	
16 2,4-Dinitrotoluene			3561077					
17 2-Nitrotoluene			3561077					
18 PETN			3561077					
19 4-Nitrotoluene			3561077					
20 3-Nitrotoluene			3561077					

Analyst: Mark Dymarski

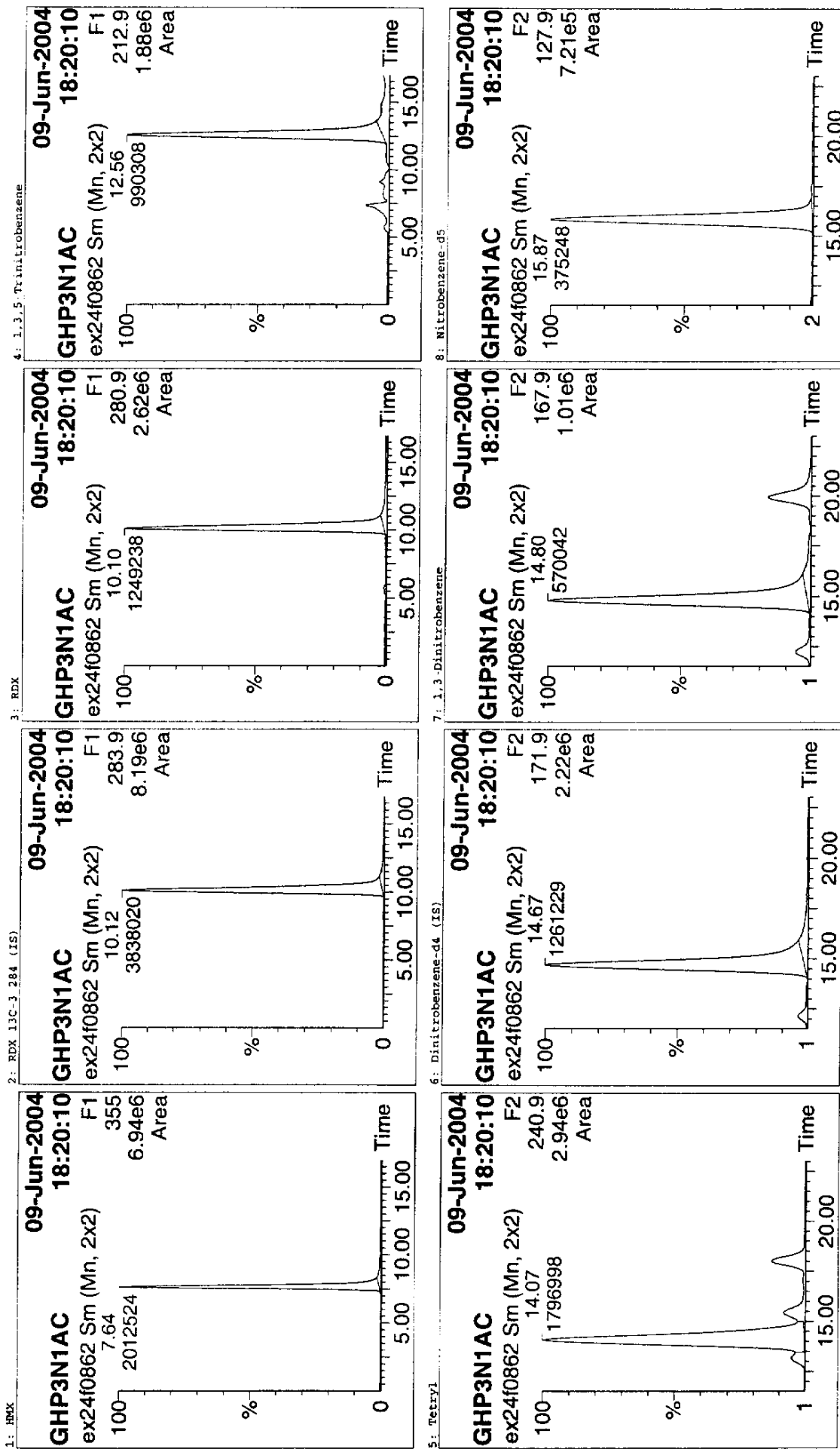
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0862
Text: R4f070000-119 LCS

1: HMX



Analyst: Mark Dymerski

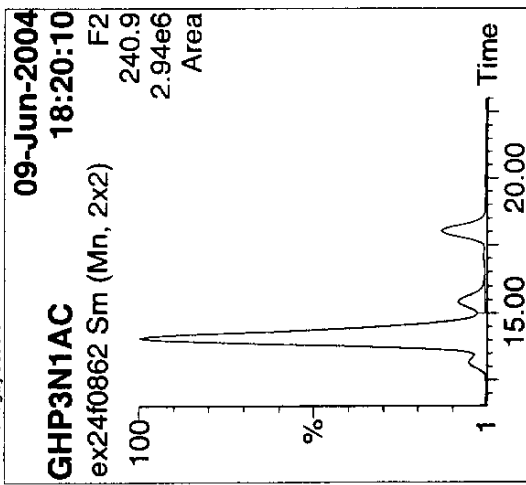
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method8\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

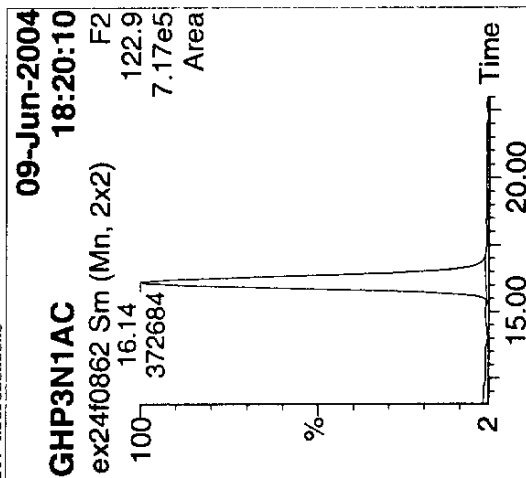
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0862
Text: X4F070000-119 LCS

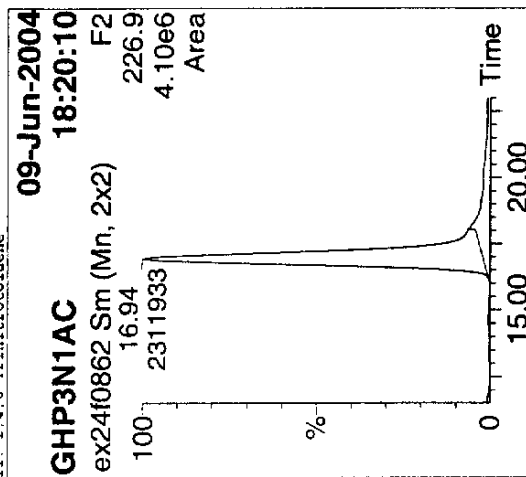
9: Nitroglycerin



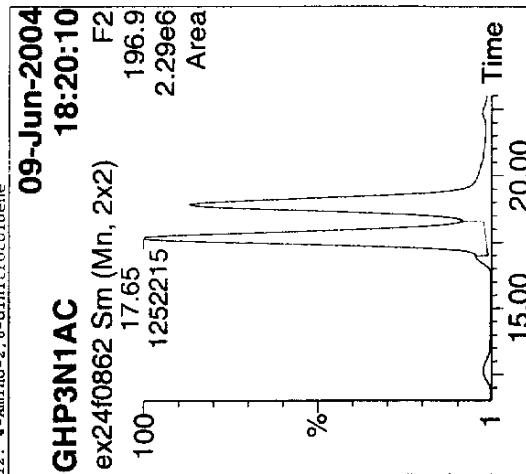
10: Nitrobenzene



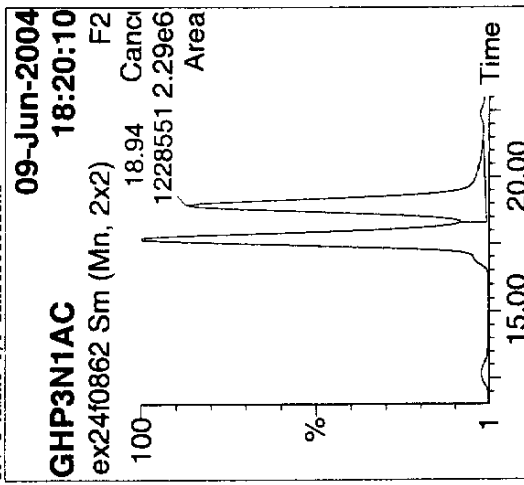
11: 2,4,6-Trinitrotoluene



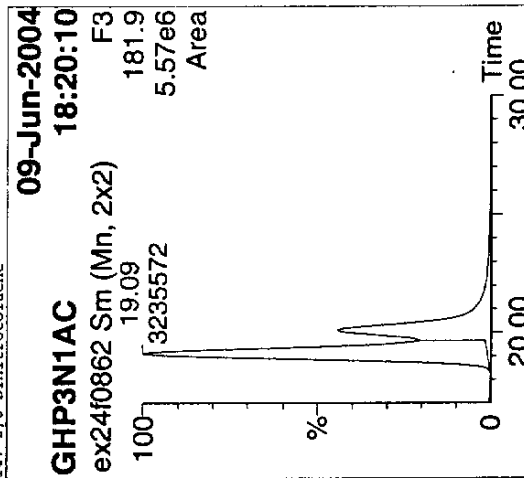
12: 4-Amino-2,6-dinitrotoluene



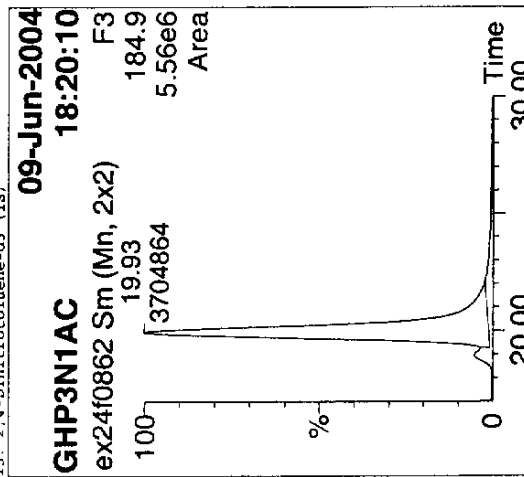
13: 2-Amino-4,6-dinitrotoluene



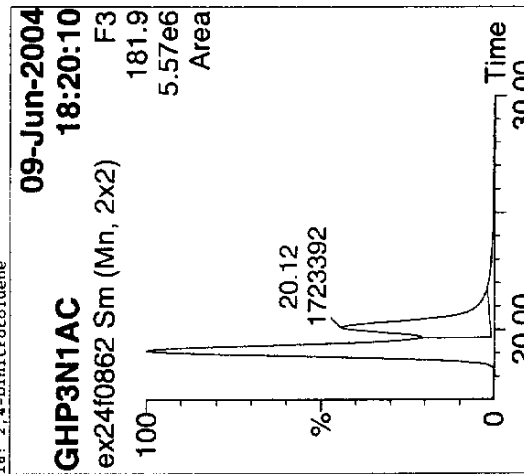
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene



Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDE\ex24f08 (6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

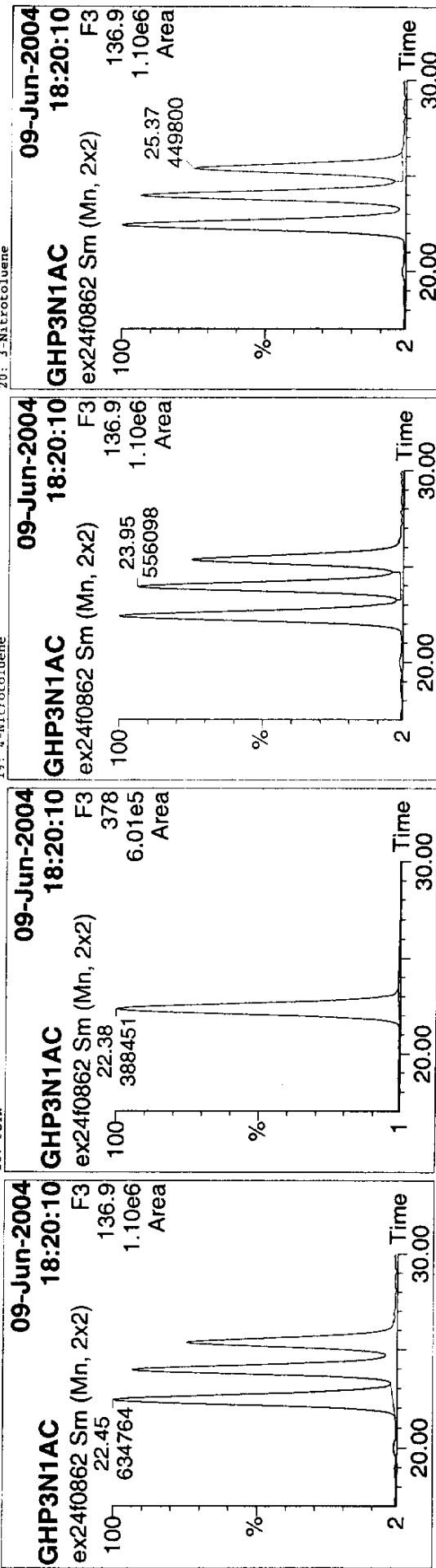
Name: ex24f0862
 Text: RAP070000-119 LCS

17: 2-Nitrotoluene

18: PETN

19: 4-Nitrotoluene

20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	HMX	7.64	2012524	3838020	0.524	bb	0.549	109.80		
2	RDX 13C-1 284 (IS)	10.12	3838020	3838020	0.325	bb	0.745	74.48		
3	RDX	10.10	1249238	3838020	0.785	bb	0.434	98.81		
4	1,3,5-Trinitrobenzene	12.56	990308	1261229	0.432	bb	0.434	86.89		
5	Tetryl	14.07	1796998	1261229	1.425	dd	0.477	95.33		
6	Dinitrobenzene-d4 (IS)	14.67	1261229	1261229	0.452	bb	0.931	93.08		
7	1,3-Dinitrobenzene	14.80	570042	1261229	0.298	bb	0.474	94.84		
8	Nitrobenzene-d5	15.87	375248	1261229	0.298	bb	0.449	89.79		
9	Nitroglycerin	15.47	127598	1261229	0.101	db	0.451	90.18		
10	Nitrobenzene	16.14	372684	1261229	0.295	bb	0.448	89.69		
11	2,4,6-Trinitrotoluene	16.94	2311933	1261229	1.813	bs	0.450	90.01		
12	4-Amino-2,6-dinitrotoluene	17.65	1252215	3704864	0.338	dd	0.430	85.94		
13	2-Amino-4,6-dinitrotoluene	18.94	1238551	3704864	0.332	dd	0.431	98.25		
14	2,6-Dinitrotoluene	19.09	325552	3704864	0.873	bd	0.458	91.62		
15	2,4-Dinitrotoluene-d3 (IS)	19.93	3704864	3704864	0.465	db	0.929	92.94		
16	2,4-Dinitrotoluene	20.12	1723392	3704864	0.465	db	0.473	94.69		
17	2-Nitrotoluene	22.45	634764	3704864	0.171	bb	0.433	86.65		
18	PETN	22.38	388451	3704864	0.105	bb	0.489	97.72		
19	4-Nitrotoluene	23.95	556098	3704864	0.150	dd	0.474	94.76		
20	3-Nitrotoluene	25.37	449800	3704864	0.121	db	0.455	91.00		

Analyst: Mark Dynarski

Quantify Sample Report

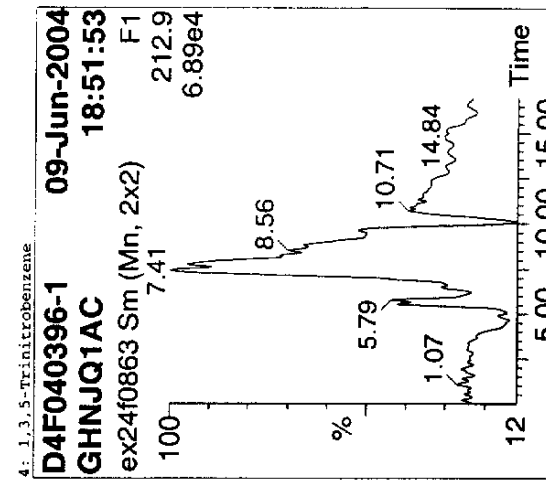
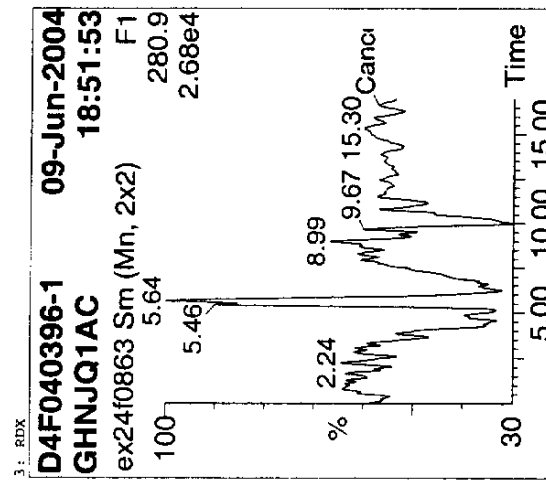
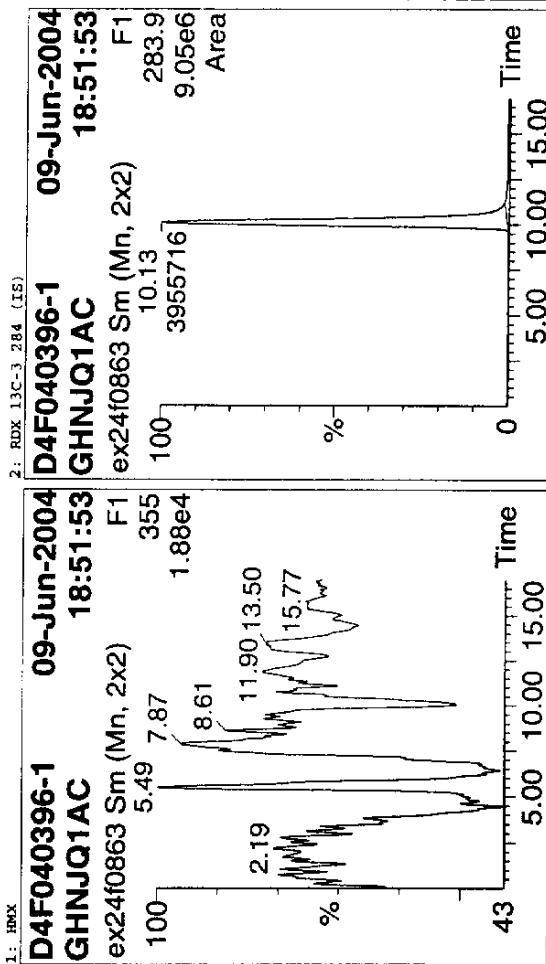
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
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 Job Code:

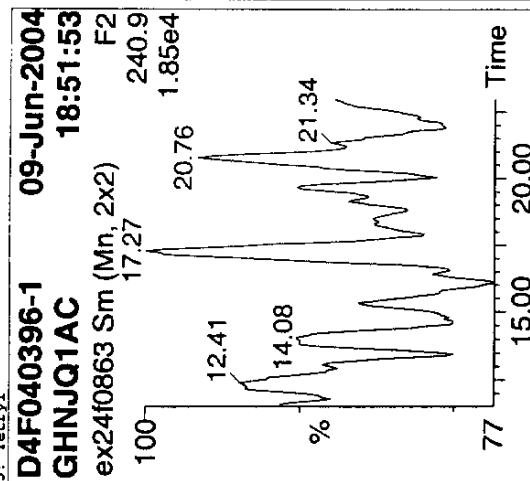
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0863
 Text: D4F040396-1

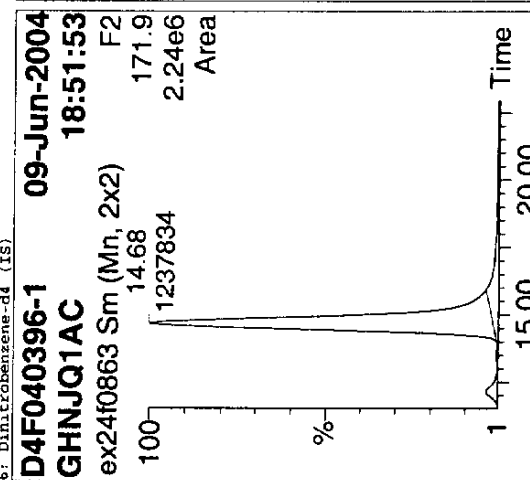
1: RMX



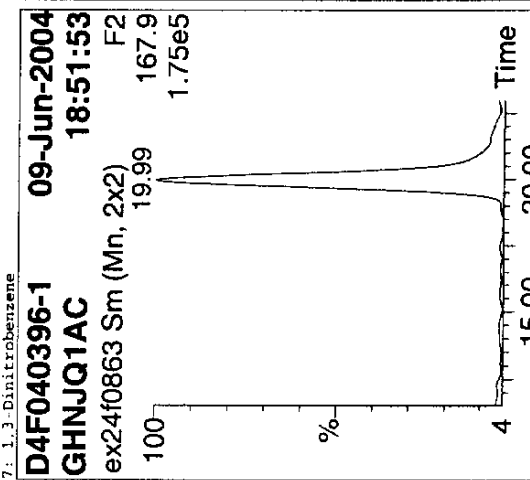
5: Tetryl



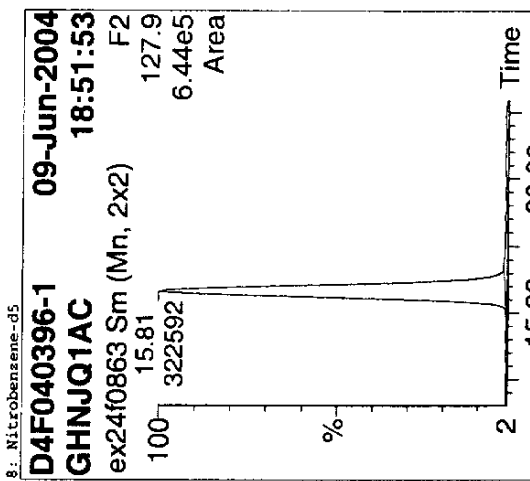
6: Dinitrobenzene-d4 (IS)



7: 1,3-Dinitrobenzene



8: Nitrobenzene-d5

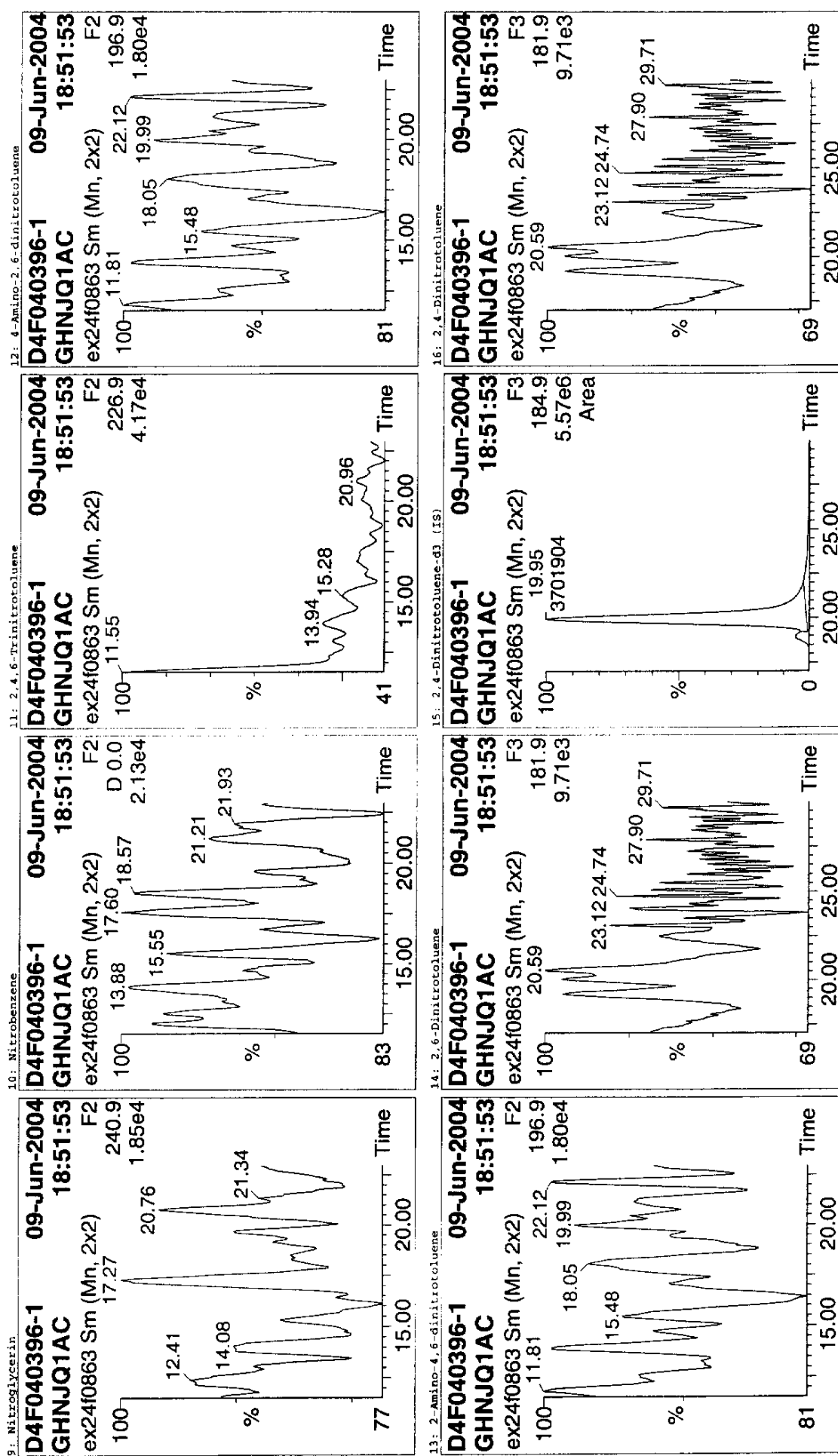


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0863
Text: D4F040396-1

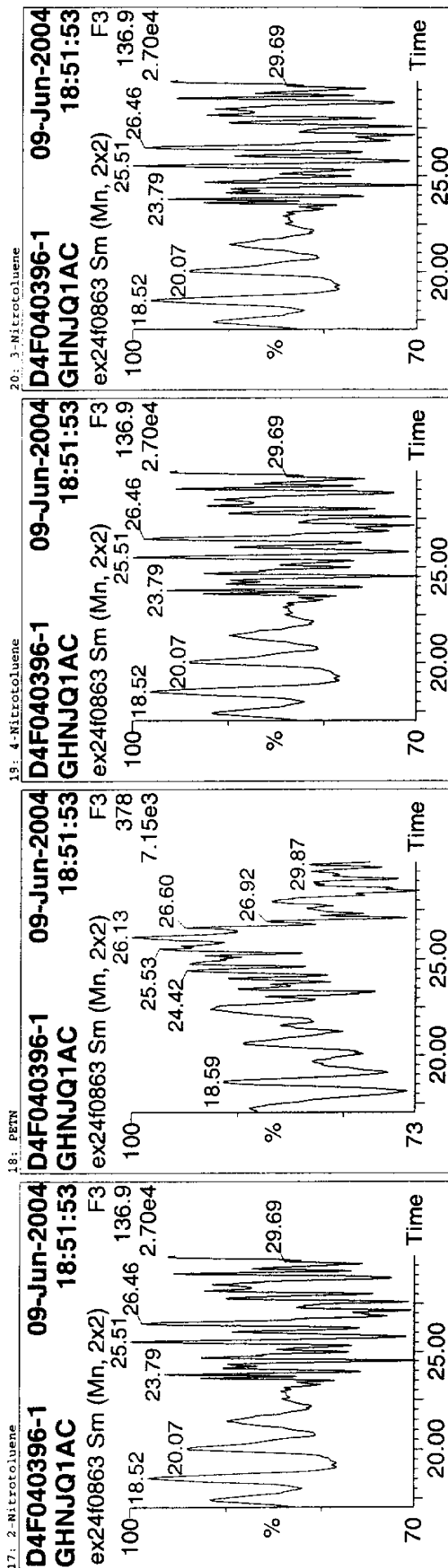


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
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Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0863
Text: D4F040396-1



# Name	RT	Area	IS Area	Response	Flags	Result	Size	Mod.	Date	Mod.	Comment
1 HMX			3955716								
2 RDX 13C 3 284 (IS)	10.13	3955716									
3 RDX			3955716		bb	0.768	76.76				
4 1,3,5-Trinitrobenzene			1237834								
5 Tetryl			1237834								
6 Dinitrobenzene-d4 (IS)	14.68	1237834				0.914	91.36				
7 1,3-Dinitrobenzene			1237834								
8 Nitrobenzene-d5	15.81	322592			bb	0.369	78.55				
9 Nitroglycerin			1237834								
10 Nitrobenzene			1237834								
11 2,4,6-Trinitrotoluene			1237834								
12 4-Amino-2,6-dinitrotoluene			1237834								
13 2-Amino-4,6-dinitrotoluene			3701904								
14 2,6-Dinitrotoluene			3701904								
15 2,4-Dinitrotoluene-d3 (IS)	19.95	3701904			db	0.929	92.87				
16 2,4-Dinitrotoluene			3701904								
17 2-Nitrotoluene			3701904								
18 PETN			3701904								
19 4-Nitrotoluene			3701904								
20 3-Nitrotoluene			3701904								

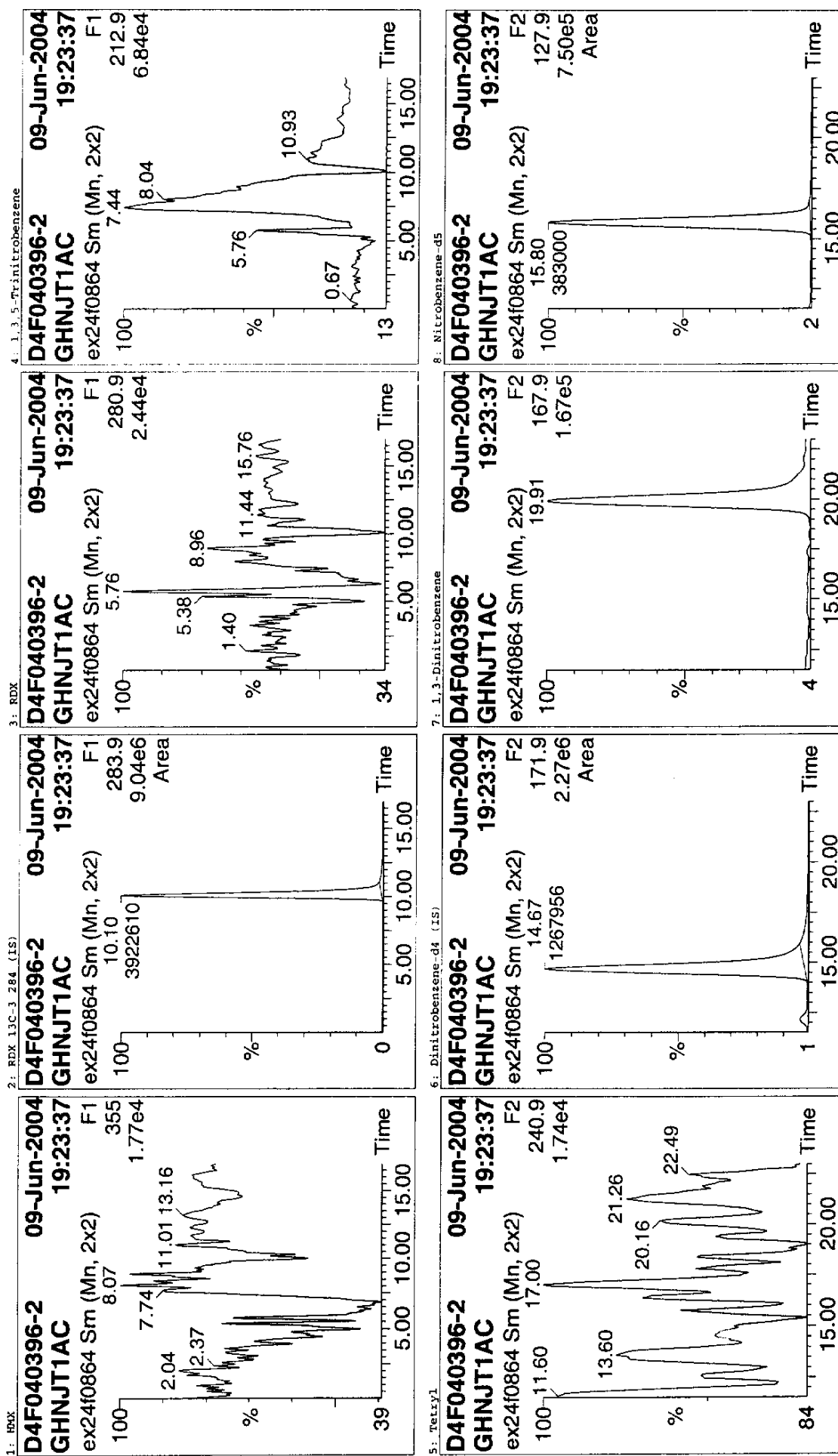
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0864
Text: D4F040396-2

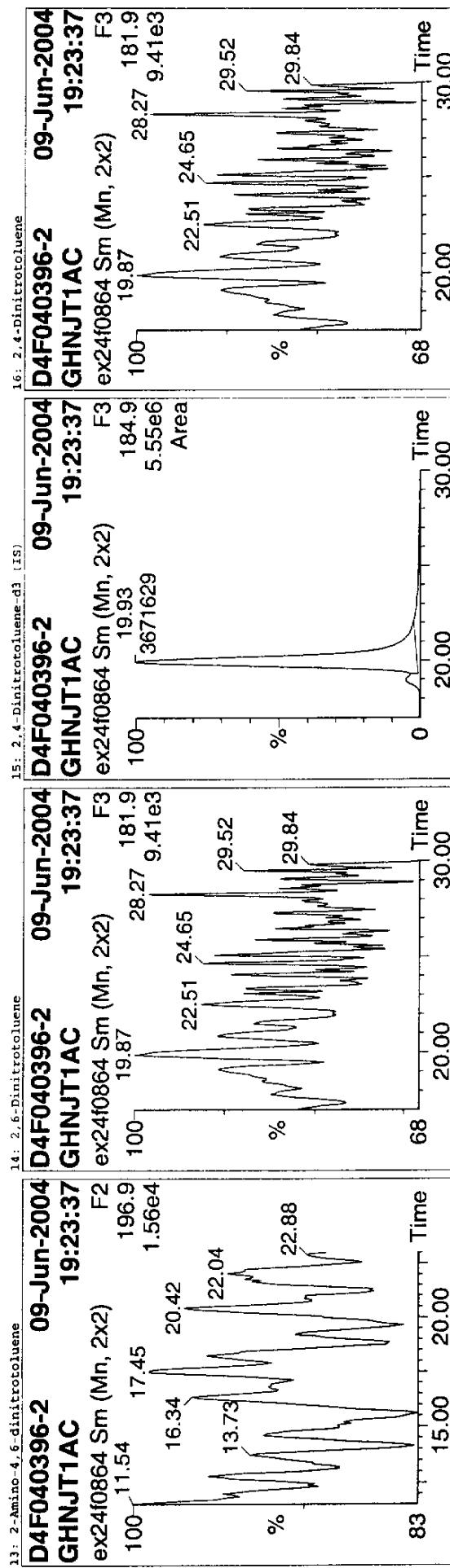
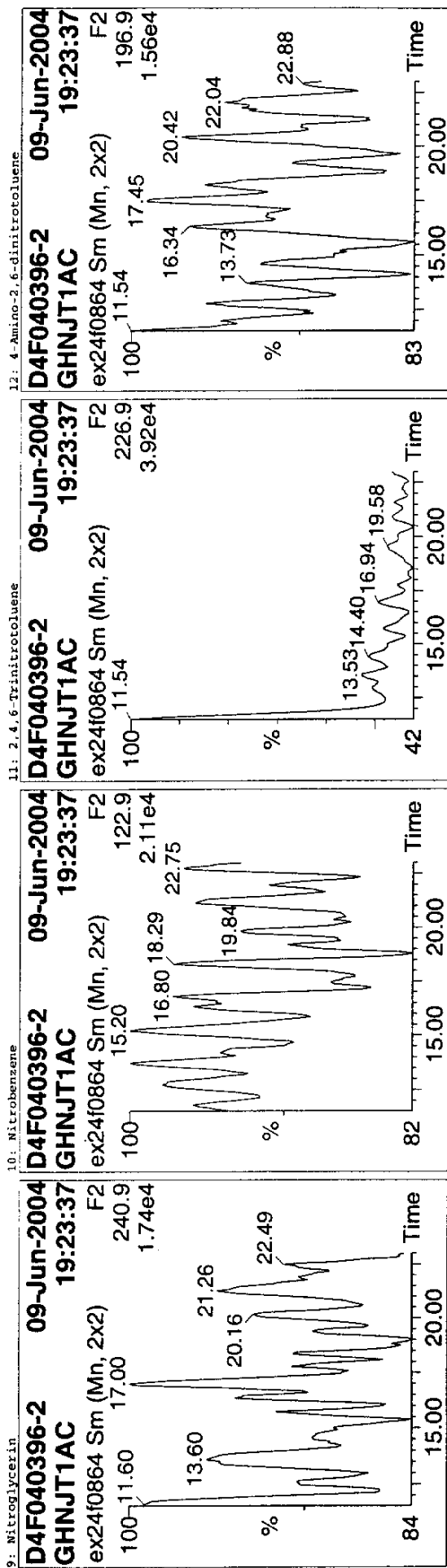


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0864
Text: D4F040396-2



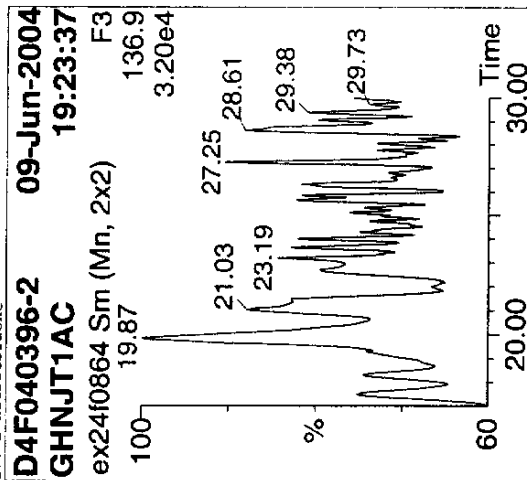
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Job Code: Last modified: Tue Jun 08 12:58:36 2004

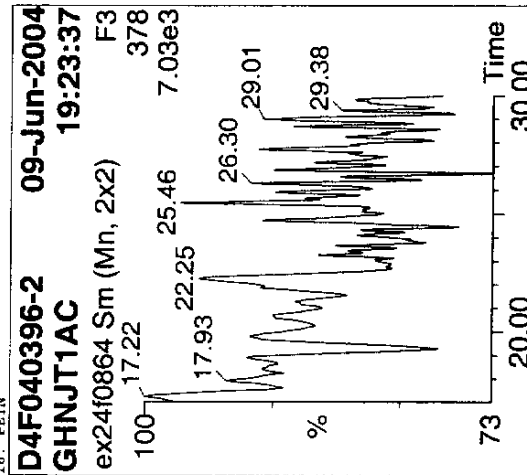
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0864
Text: D4F040396-2

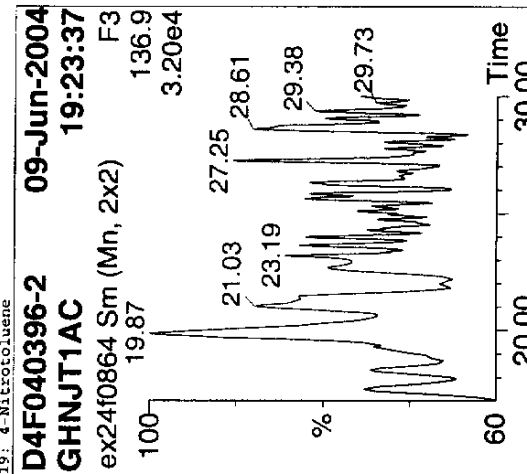
17: 2-Nitrotoluene



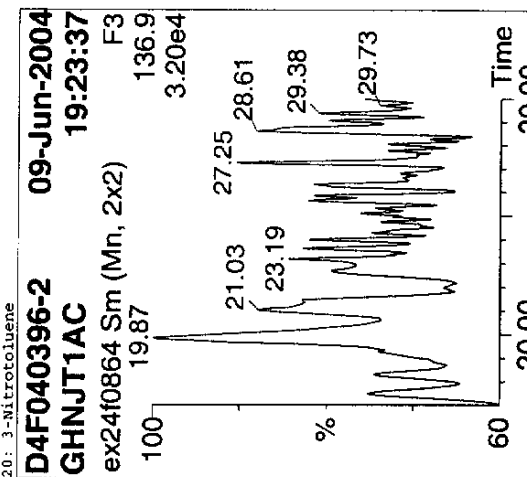
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



# Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod.	Date	Mod.	Comment
1 HMX			3922610								
2 RDX 13C-3 284 (IS)	10.10	3922610				0.761	76.12				
3 RDX			3923610		bb						
4 1,3,5-Trinitrobenzene			1267956								
5 Tetrayl			1267956								
6 Dinitrobenzene-d4 (IS)	14.67	1267956			bb	0.936	93.58				
7 1,3-Dinitrobenzene			1267956			0.430	91.17				
8 Nitrobenzene-d5	15.80	383000			bb						
9 Nitroglycerin			1267956								
10 Nitrobenzene			1267956								
11 2,4,6-Trinitrotoluene			1267956								
12 4-Amino-2,6-dinitrotoluene			1267956								
13 2-Amino-4,6-dinitrotoluene			3671629								
14 2,6-Dinitrotoluene			3671629								
15 2,4-Dinitrotoluene-d3 (IS)	19.93	3671629			db	0.921	92.11				
16 2,4-Dinitrotoluene			3671629								
17 2-Nitrotoluene			3671629								
18 PETN			3671629								
19 4-Nitrotoluene			3671629								
20 3-Nitrotoluene			3671629								

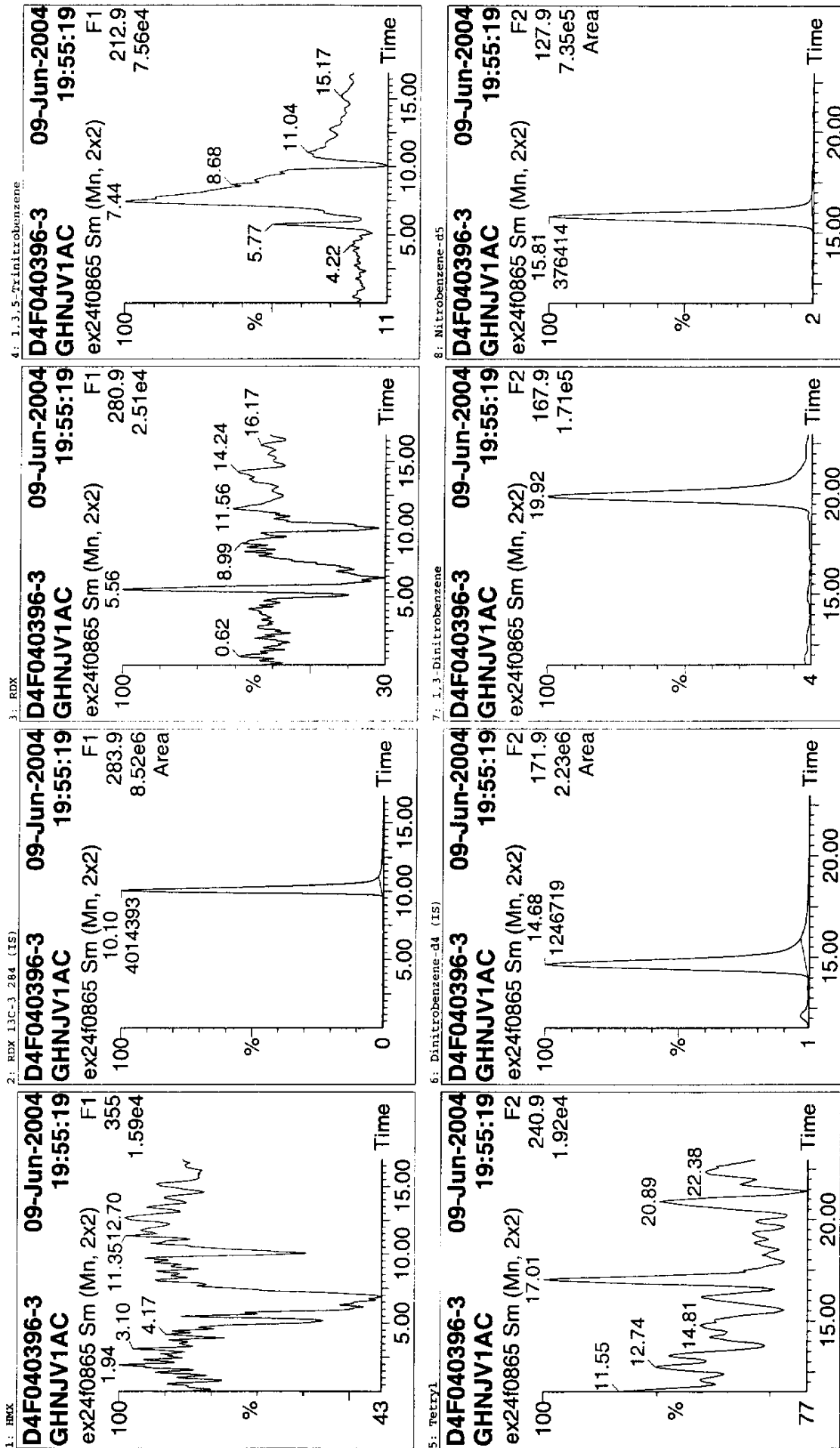
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0865
Text: D4F040396-3

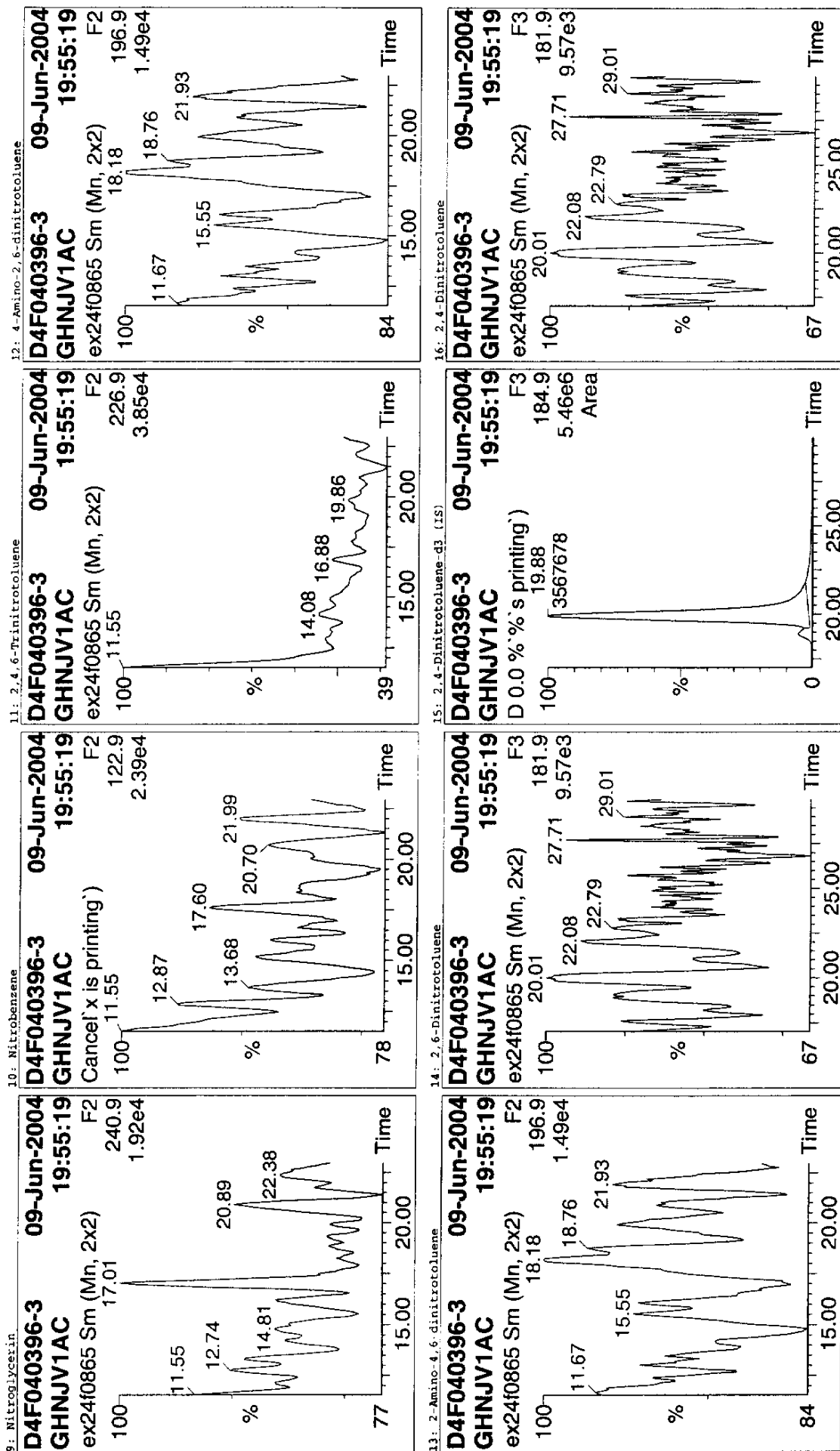


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.FPO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.FPO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0865
Text: D4F040396-3



Analyst: Mark Dymerski

Quantify Sample Report

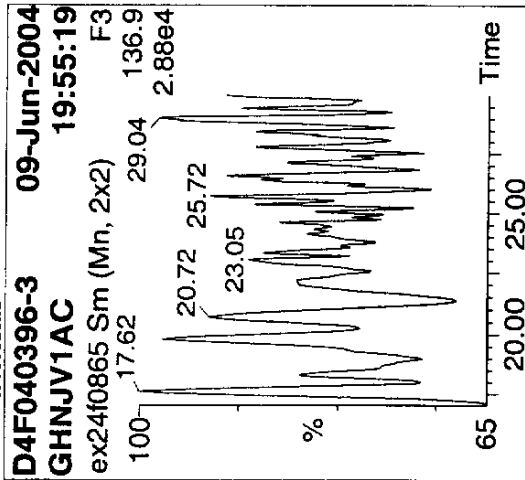
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last Modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

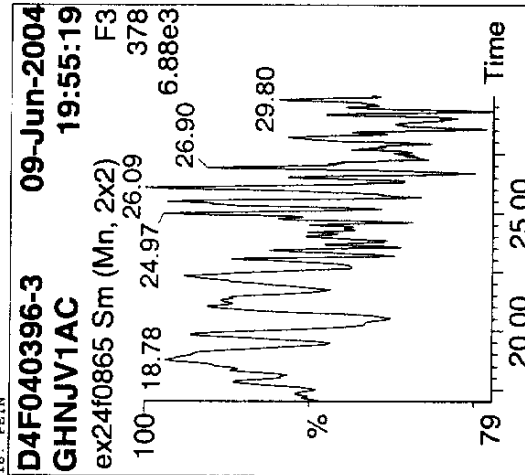
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0865
 Text: D4F040396-3

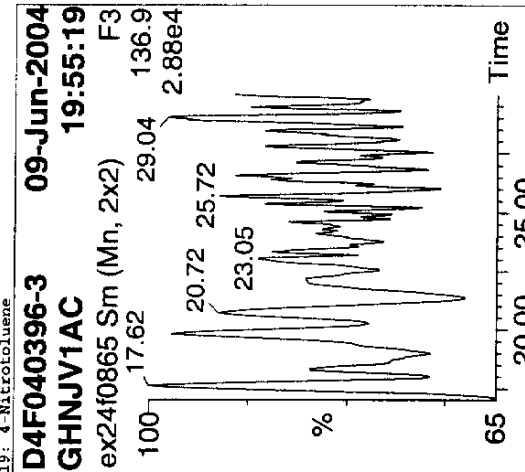
17: 2-Nitrotoluene



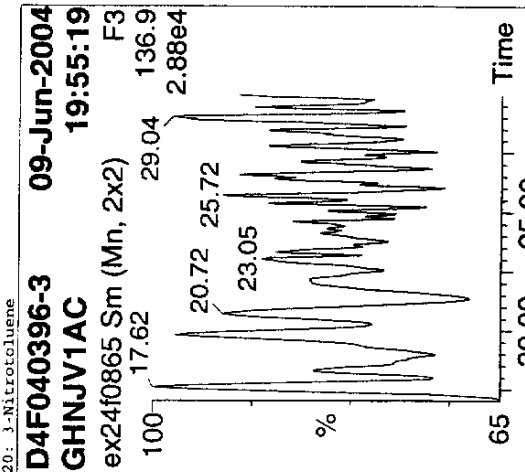
18: PNTN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



# Name	RT	Area	IS Area	Response Flags	Result	%Rec	Mod.Date	Mod.Comment
1 HXX			4014393					
2 RDX 13C-3 284 (IS)	10.10	4014393	4014393	bb	0.779	77.90		
3 RDX			4014393					
4 1,3,5-Trinitrobenzene			1246719					
5 Tetrayl			1246719					
6 Dinitrobenzene-d4 (IS)	14.68	1246719	1246719	bb	0.920	92.01		
7 1,3-Dinitrobenzene			1246719					
8 Nitrobenzene-d5	15.81	376414	1246719	0.302 bb	0.480	91.13		
9 Nitroglycerin			1246719					
10 Nitrobenzene			1246719					
11 2,4,6-Trinitrotoluene			1246719					
12 4-Amino-2,6-dinitrotoluene			3567678					
13 2-Amino-4,6-dinitrotoluene			3567678					
14 2,6-Dinitrotoluene			3567678					
15 2,4-Dinitrotoluene-d3 (IS)	19.88	3567678	3567678	db	0.895	89.50		
16 2,4-Dinitrotoluene			3567678					
17 2-Nitrotoluene			3567678					
18 PNTN			3567678					
19 4-Nitrotoluene			3567678					
20 3-Nitrotoluene			3567678					

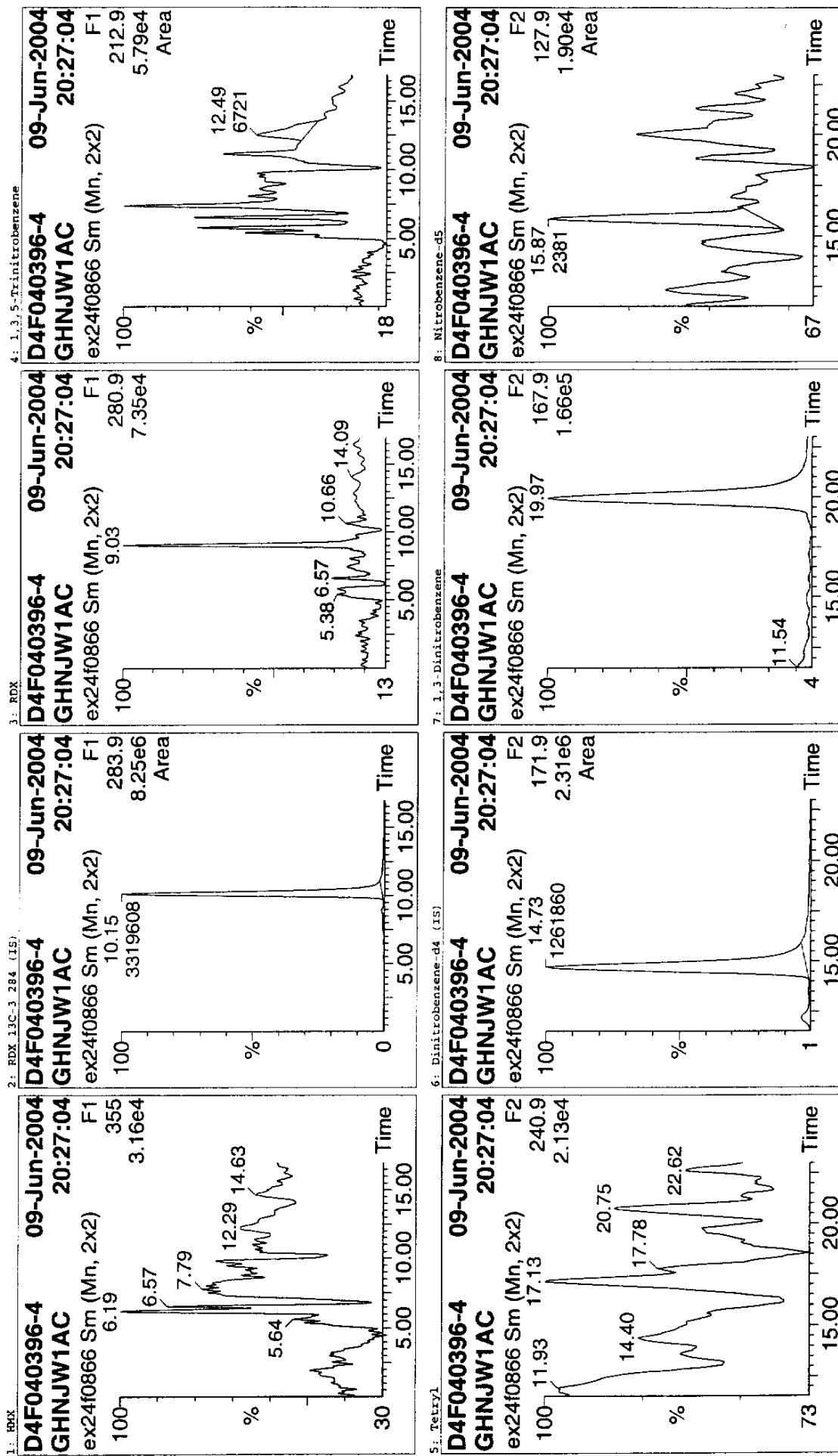
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
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Name: ex24f0866
Text: D4F040396-4

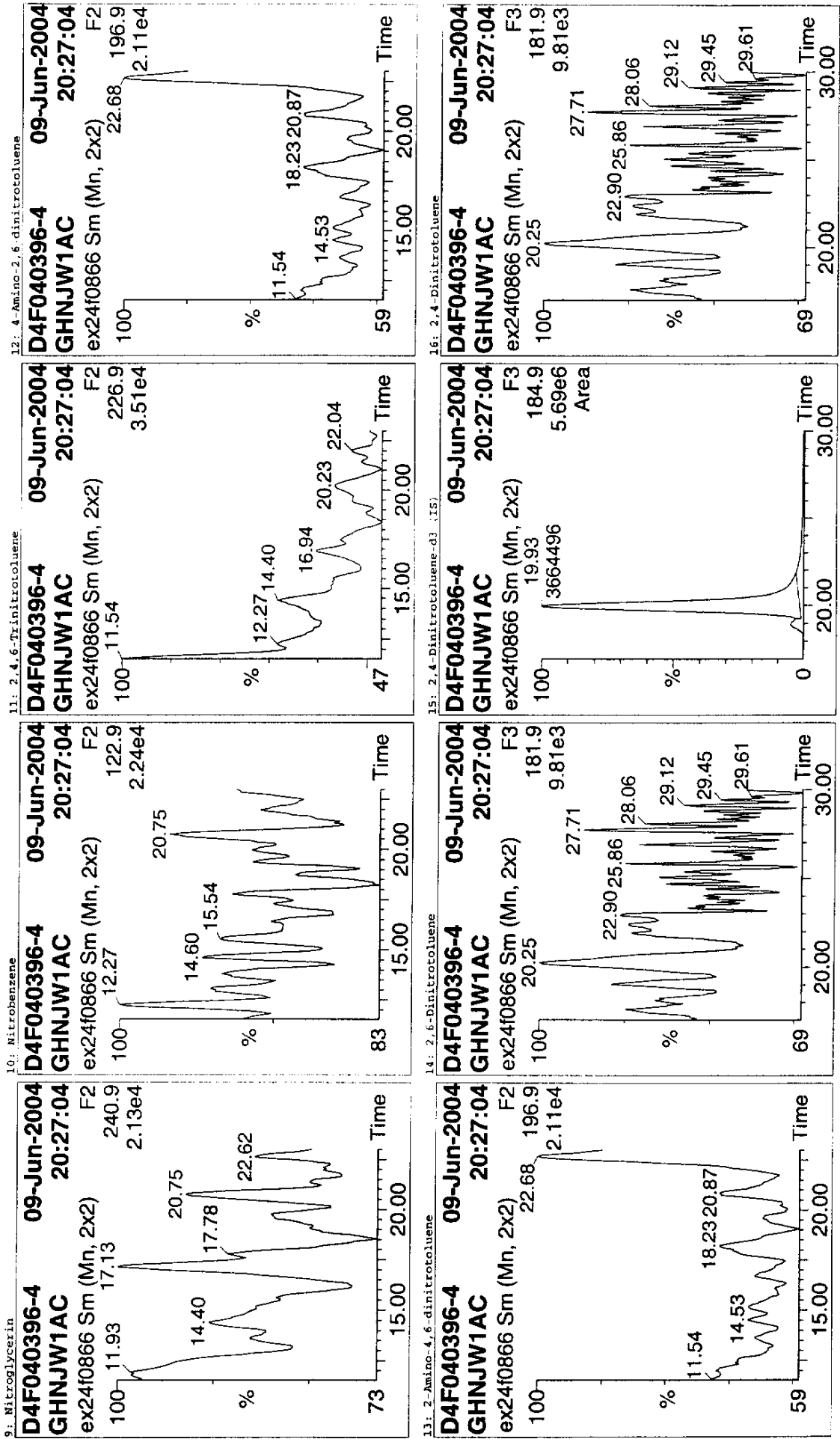


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0866
Text: D4F040396-4

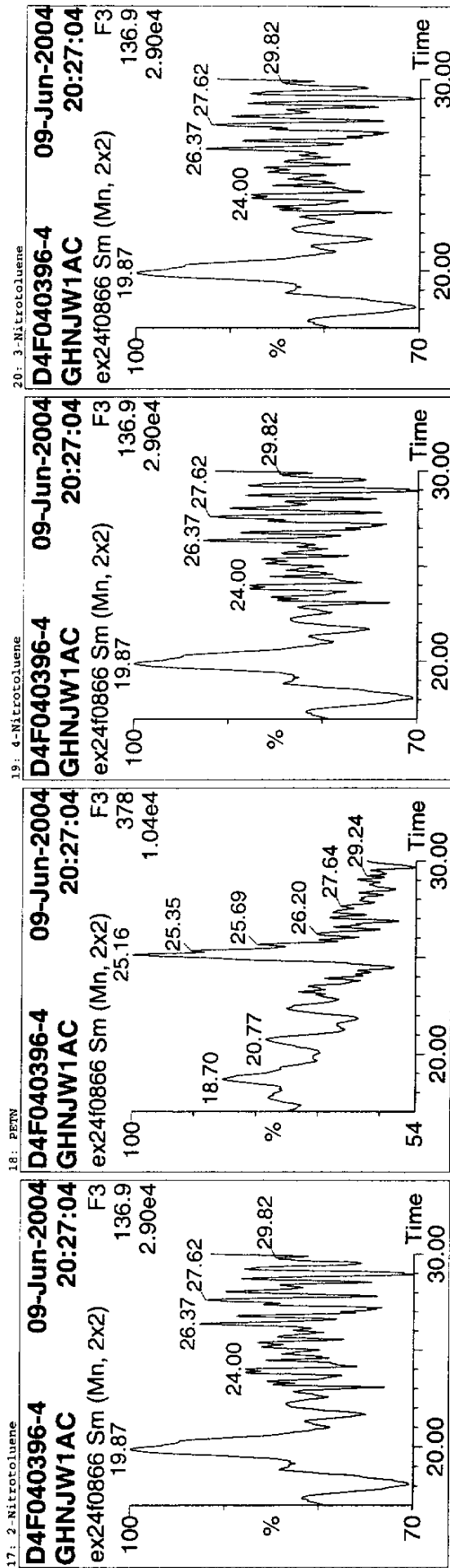


Quantify Sample Report
Explosives Analysis

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Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0866
Text: D4F040396-4



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	IS Area	Response	Flags	Result	Area	IS Area	Response	Flags	Result	Area	IS Area	Response	Flags	Result
1	RDX	10.15	3319608	3319608	0.644	bb	64.42															
2	RDX 13C-3 284 (IS)	12.49	6721	3319608	0.000	bb																
3	RDX	14.73	1261860	1261860	0.931	bb	93.13															
4	1,3,5-Trinitrobenzene	15.87	2381	1261860	0.000	bb	0.00															
5	Tetryl																					
6	Dinitrobenzene-d4 (IS)																					
7	1,3-Dinitrobenzene																					
8	Nitrobenzene-d5																					
9	Nitroglycerin																					
10	Nitrobenzene																					
11	2,4,6-Trinitrotoluene																					
12	4-Amino-2,6-dinitrotoluene																					
13	2-Amino-4,6-dinitrotoluene																					
14	2,6-Dinitrotoluene																					
15	2,4-Dinitrotoluene-d3 (IS)																					
16	2,4-Dinitrotoluene																					
17	2-Nitrotoluene																					
18	PETN																					
19	4-Nitrotoluene																					
20	3-Nitrotoluene																					

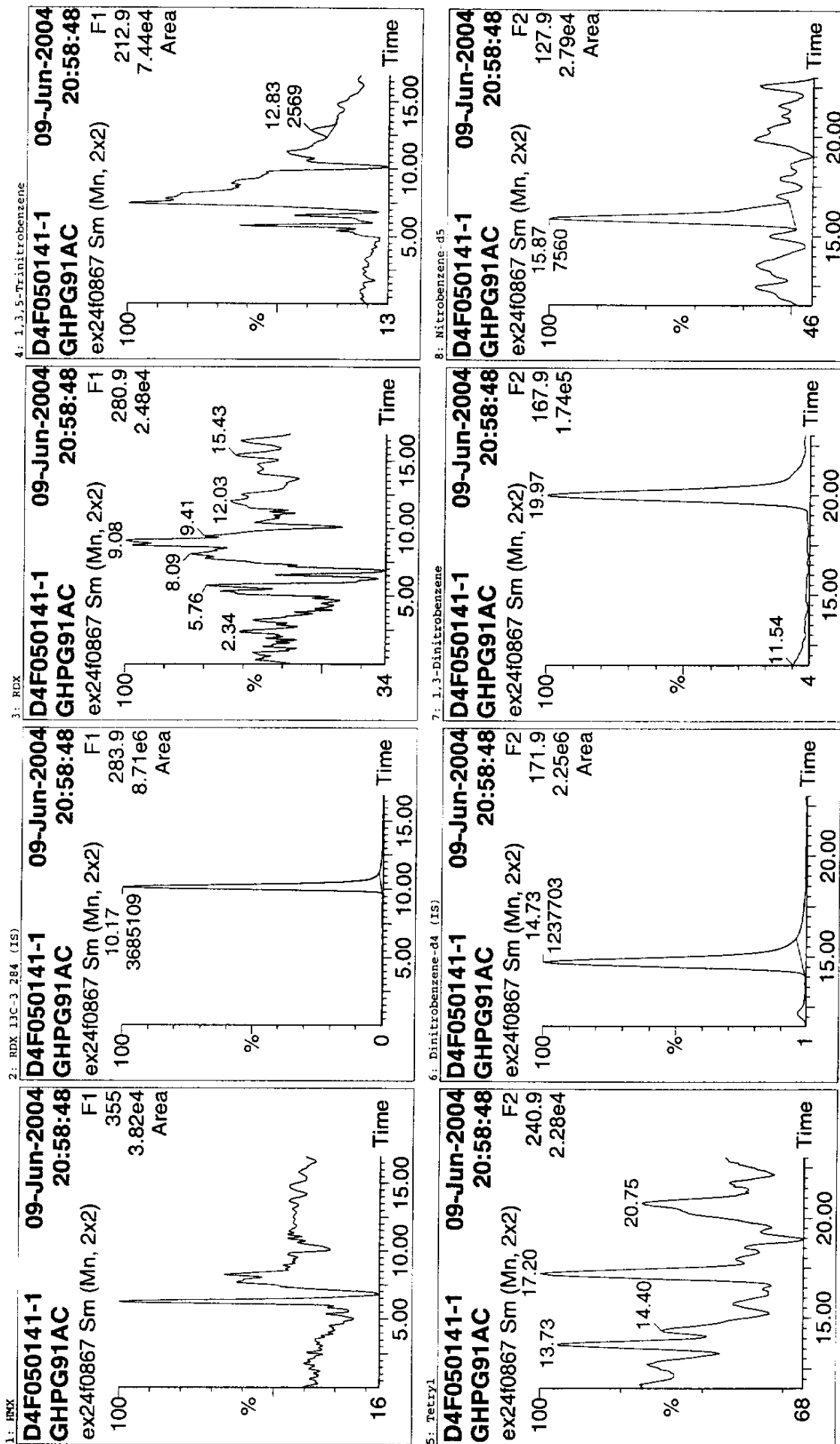
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

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Last modified: Thu Jun 10 08:31:21 2004
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Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0867
Text: D4F050141-1



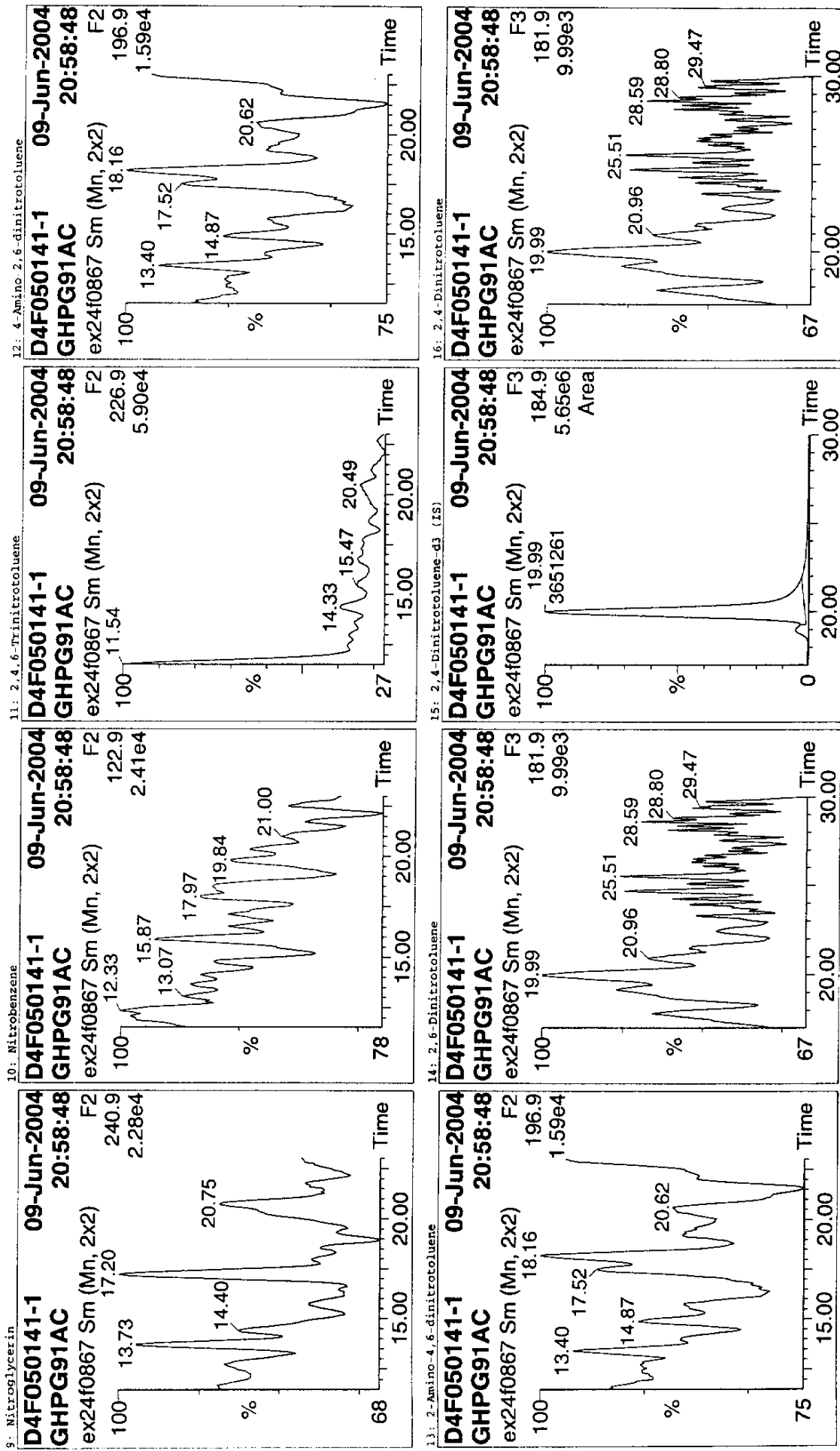
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleData\ex24f08(6)
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Last modified: Tue Jun 08 12:58:36 2004
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Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0867
Text: D4F050141-1

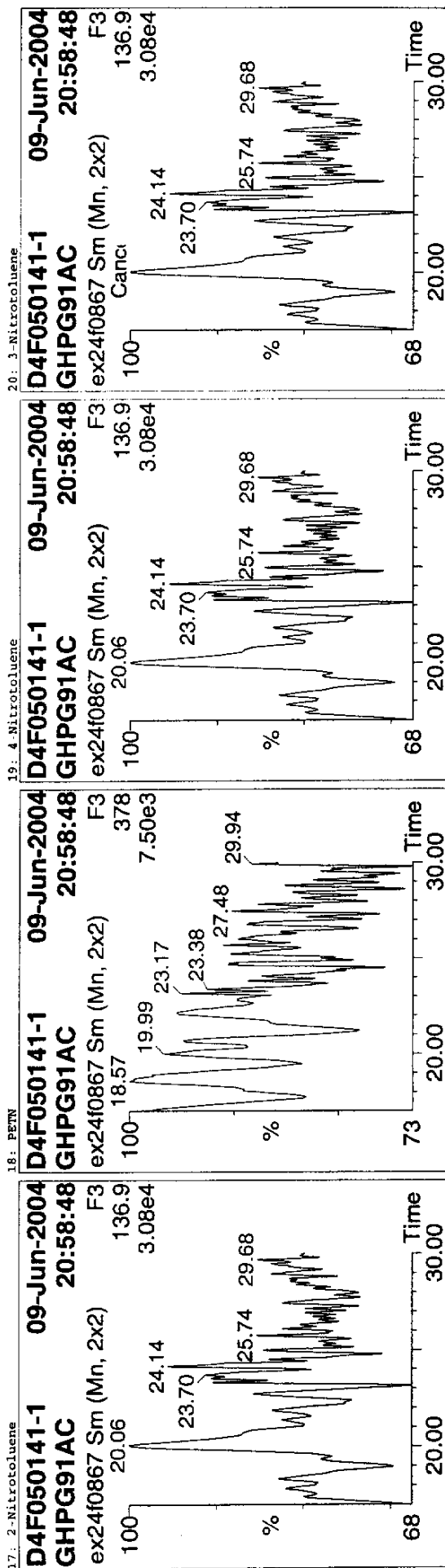


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Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0867
Text: D4F050141-1



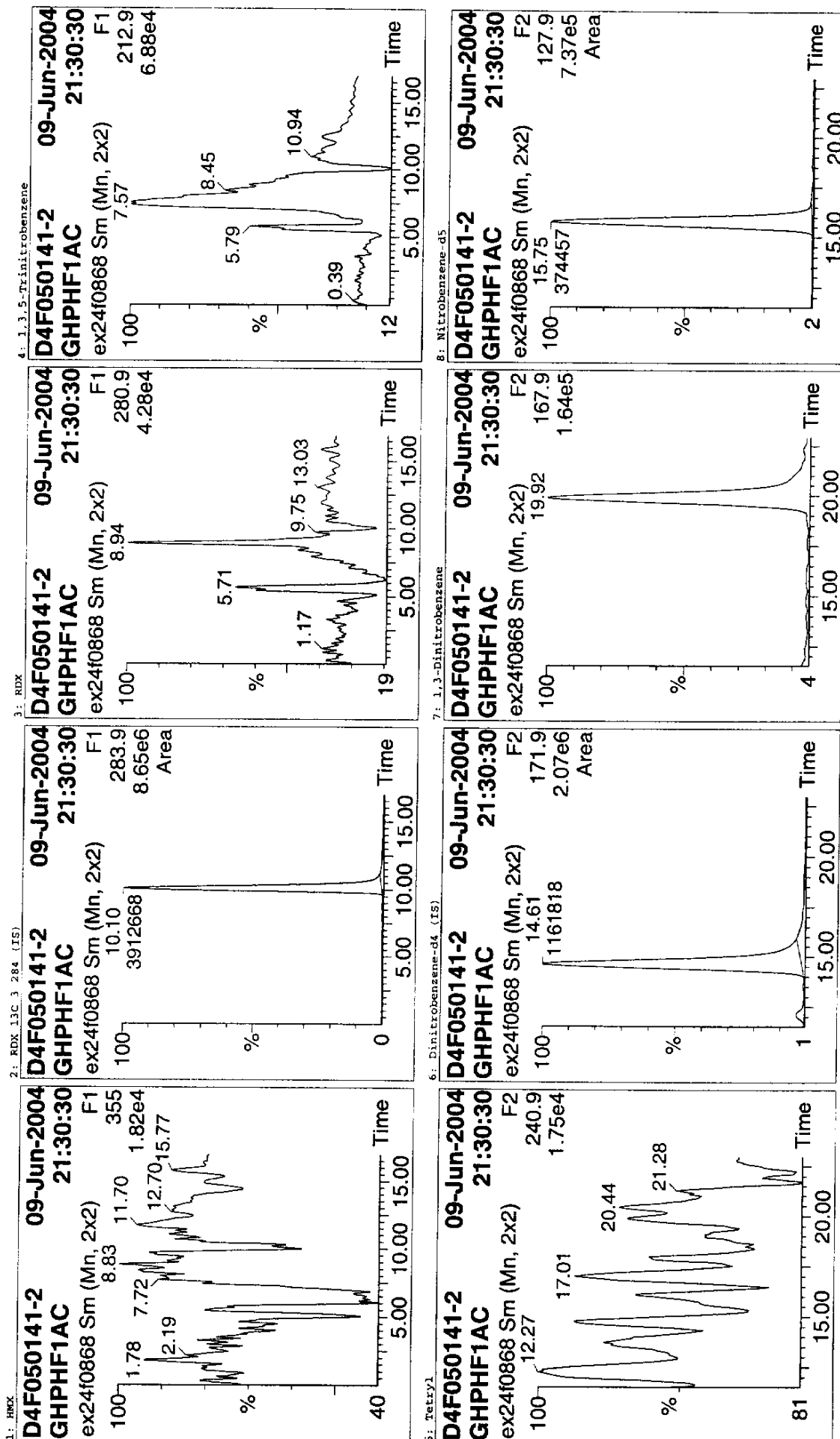
# Name	RT	Area	IS Area	Response	Flags	Result	Spec	Mod.	Date	Mod.	Comment
1 RDX	7.36	75	3685109	0.000	bb	0.000	0.715	71.51			
2 RDX 13C-3 284 (IS)	10.17	3685109	3685109	3685108...	bb	0.000					
3 RDX	12.83	2569	1237703	0.002	bb	0.000					
4 1,3,5-Trinitrobenzene	12.83	2569	1237703	0.002	bb	0.000					
5 Tetryl	14.73	1237703	1237703	1237703...	bb	0.913	91.35				
6 Dinitrobenzene-d4 (IS)	14.73	1237703	1237703	0.006	bb	0.005	1.09				
7 1,3-Dinitrobenzene	15.87	7560	1237703	0.006	bb	0.005	1.09				
8 Nitrobenzene-d5	15.87	7560	1237703	0.006	bb	0.005	1.09				
9 Nitroglycerin	15.87	7560	1237703	0.006	bb	0.005	1.09				
10 Nitrobenzene	15.87	7560	1237703	0.006	bb	0.005	1.09				
11 2,4,6-Trinitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				
12 4-Amino-2,6-dinitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				
13 2-Amino-4,6-dinitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				
14 2,6-Dinitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				
15 2,4-Dinitrotoluene-d3 (IS)	19.99	3651261	3651261	3651261...	db	0.916	91.60				
16 2,4-Dinitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				
17 2-Nitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				
18 PETN	19.99	3651261	3651261	3651261...	db	0.916	91.60				
19 4-Nitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				
20 3-Nitrotoluene	19.99	3651261	3651261	3651261...	db	0.916	91.60				

Analyst: Mark Dymarski

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Job Code: Last modified: Tue Jun 08 12:58:36 2004

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0868
Test: D4F050141-2

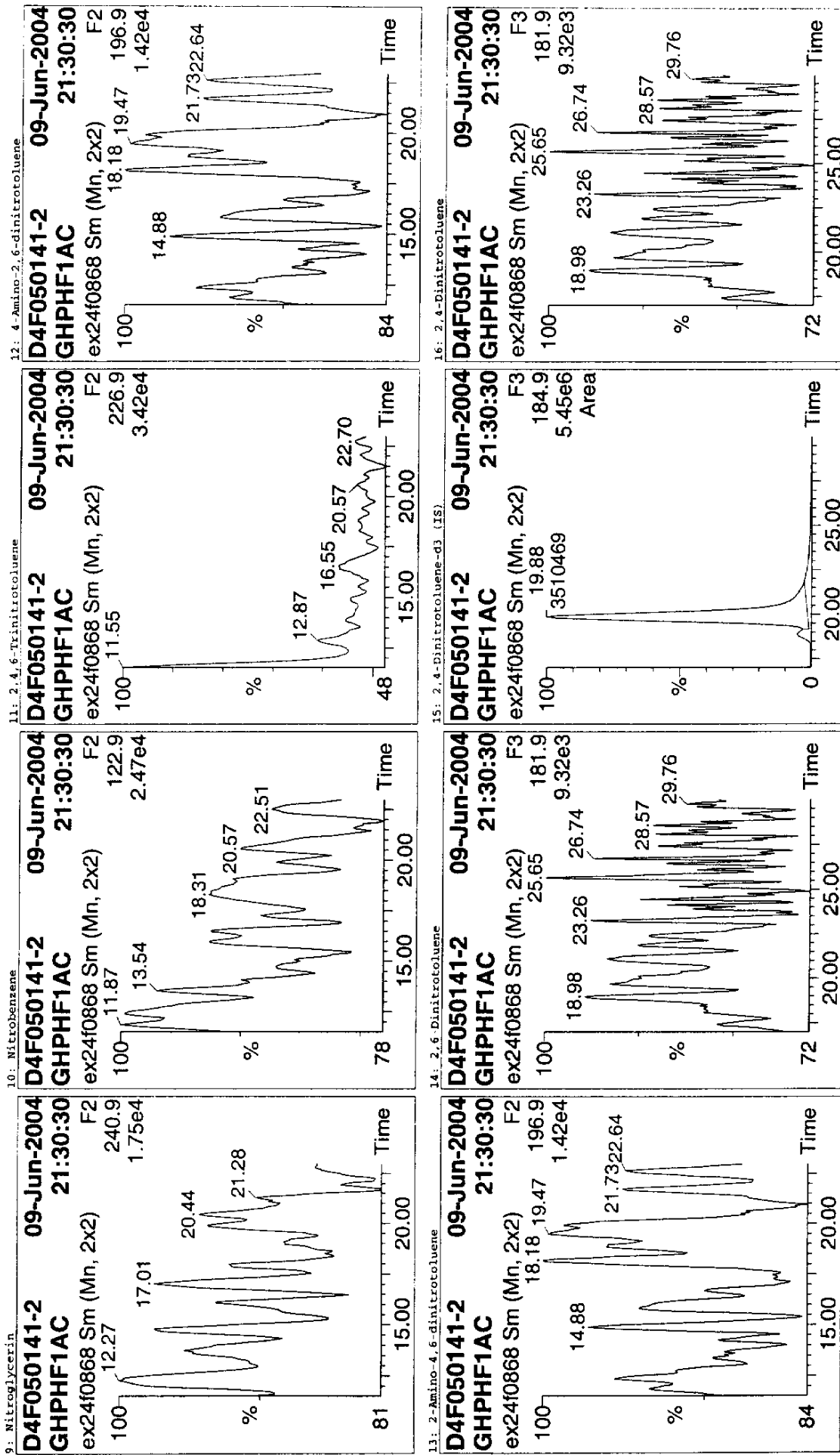


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:32:26 2004

Name: ex24f0868
Text: D4F050141-2

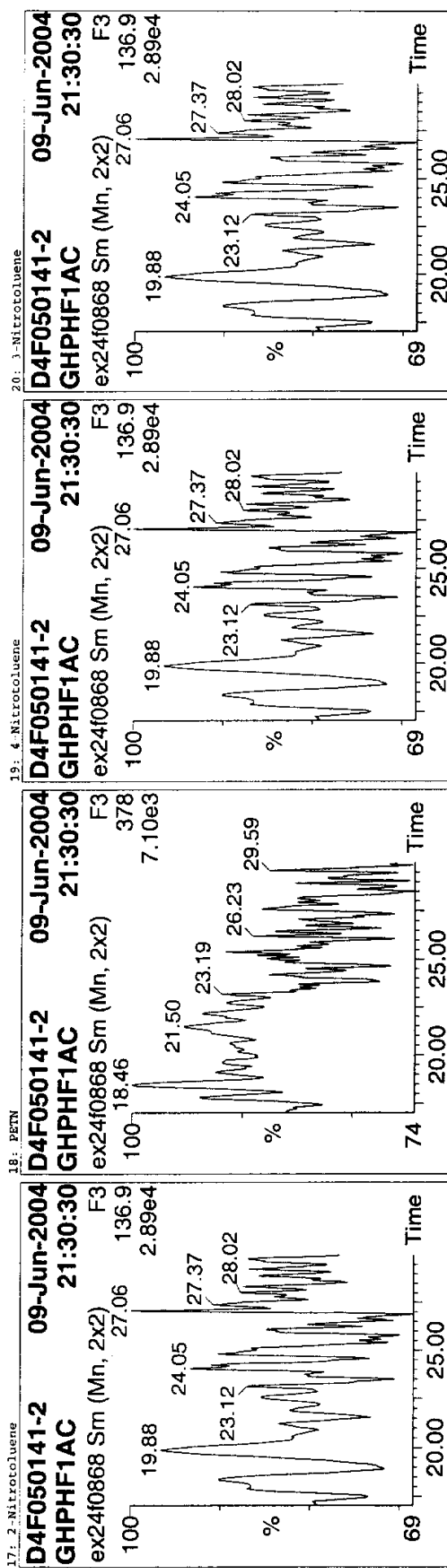


Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0868
Text: D4F050141-2



# Name	RT	Area	IS Area	Response Flags	Result	%Rec	Mod. Date	Mod. Comment
1 HMX	10.10	3912668	3912668			0.759	75.93	
2 RDX 13C-3 284 (IS)								
3 RDX			3912668	bb				
4 1,3,5-Trinitrobenzene			1161818					
5 Tetrayl			1161818					
6 Dinitrobenzene-d4 (IS)	14.61	1161818	1161818	bb		0.857	85.75	
7 1,3-Dinitrobenzene			1161818					
8 Nitrobenzene-d5	15.75	374457	1161818	0.322 bb		0.462	97.33	
9 Nitroglycerin			1161818					
10 Nitrobenzene			1161818					
11 2,4,6-Trinitrotoluene			1161818					
12 4-Amino-2,6-dinitrotoluene			3510469					
13 2-Amino-4,6-dinitrotoluene			3510469					
14 2,6-Dinitrotoluene			3510469					
15 2,4-Dinitrotoluene-d3 (IS)			3510469					
16 2,4-Dinitrotoluene	19.88	3510469	3510469	db		0.881	88.07	
17 2-Nitrotoluene			3510469					
18 PETN			3510469					
19 4-Nitrotoluene			3510469					
20 3-Nitrotoluene			3510469					

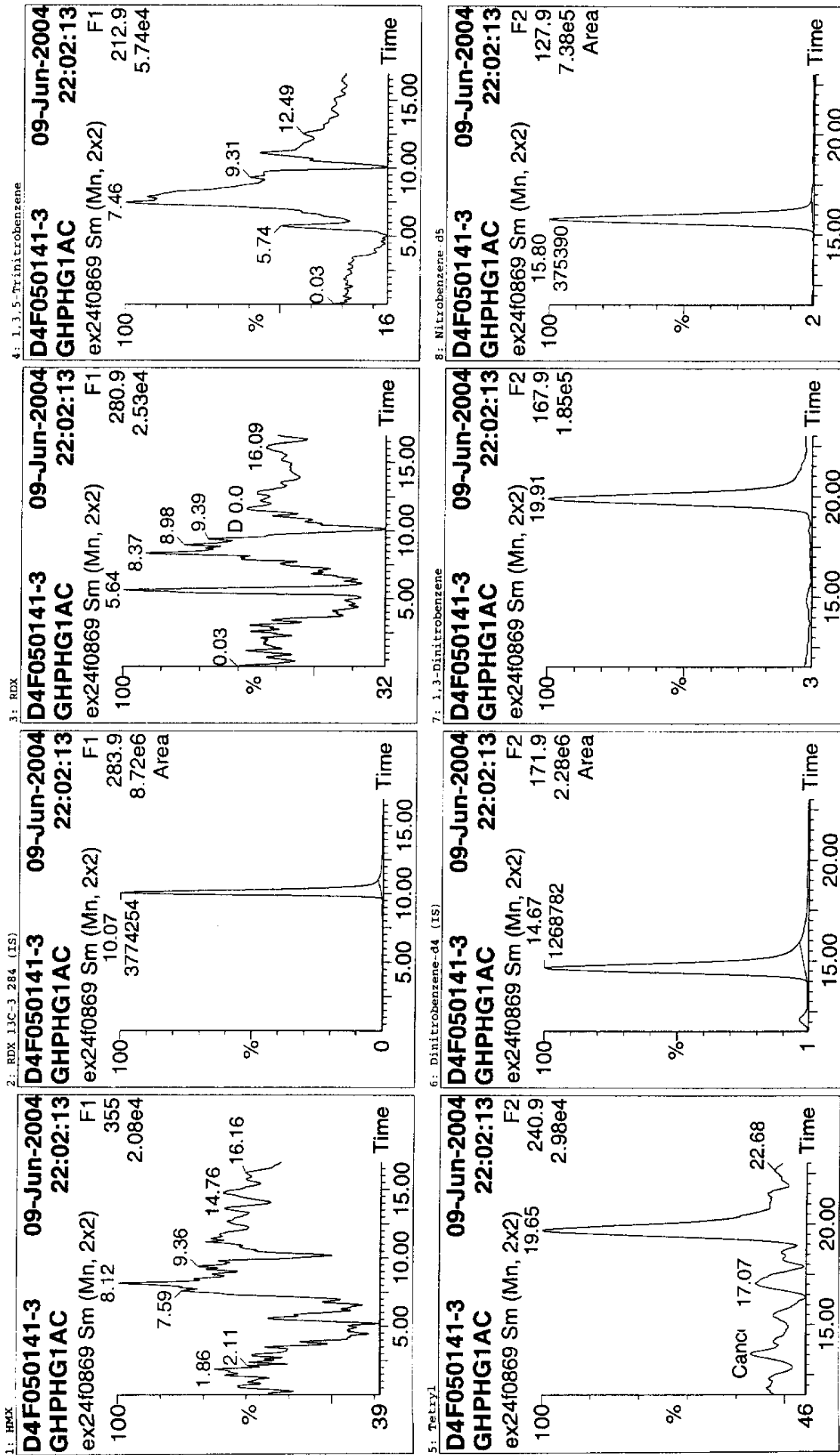
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0869
Text: D4F050141-3

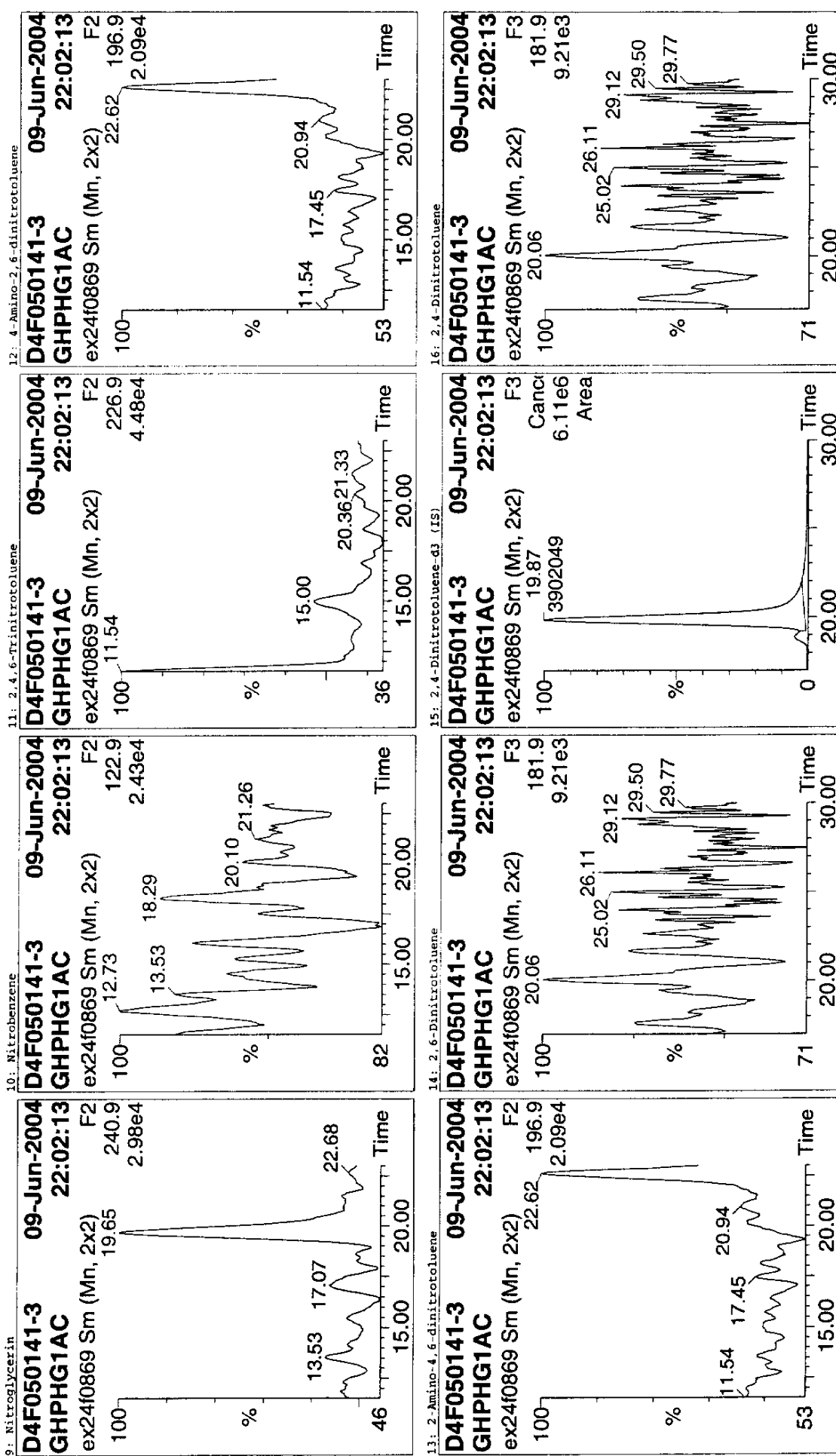


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0869
Text: D4F050141-3



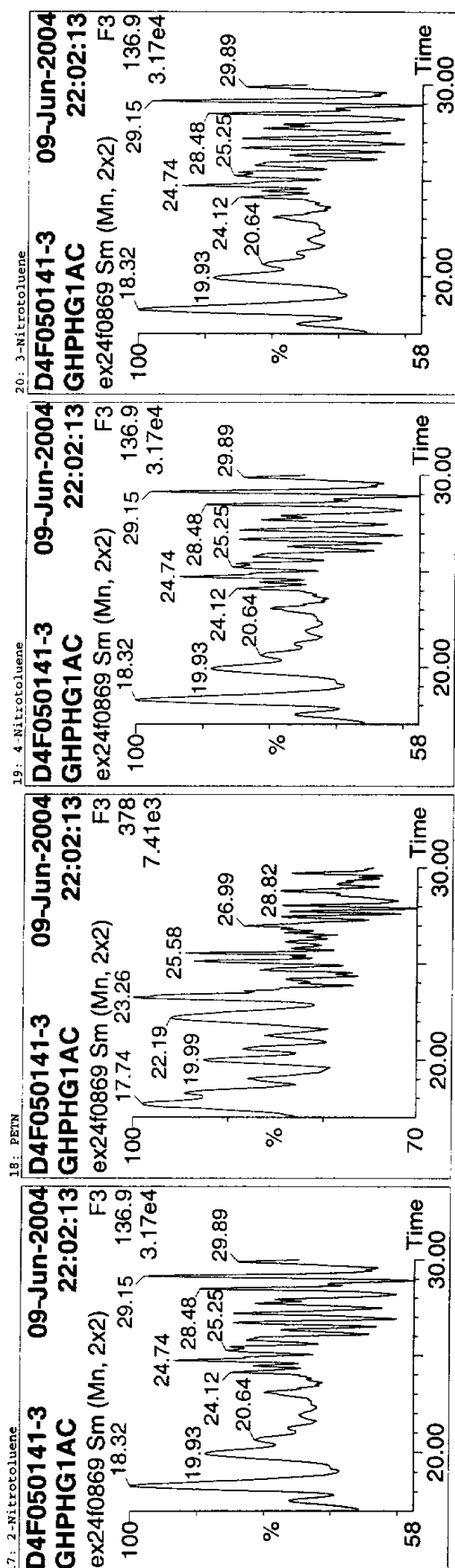
Analyst: Mark Dymerski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0869
Text: D4F050141-3



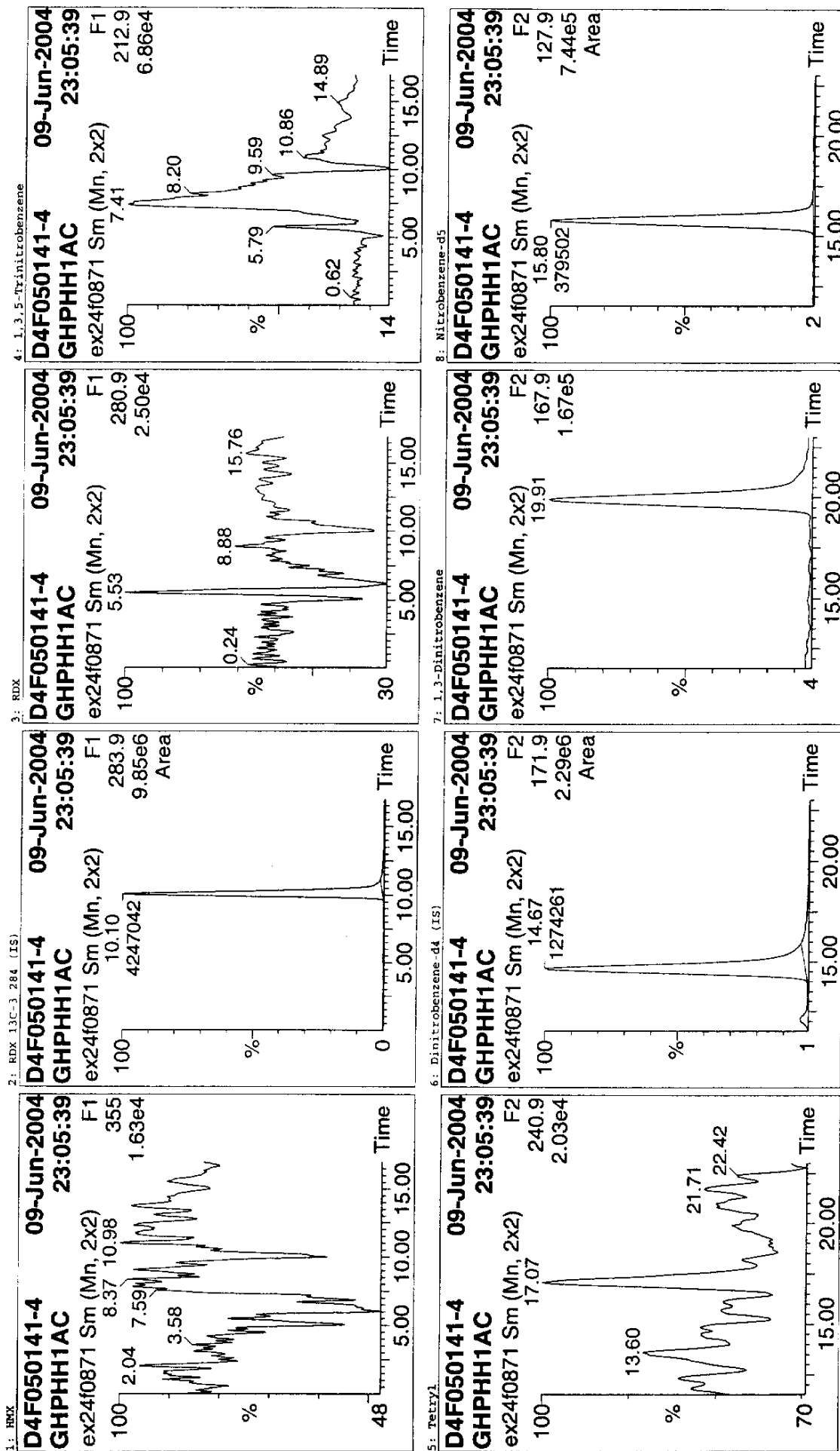
Analyst: Mark Dymarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0871
Text: D4F050141-4



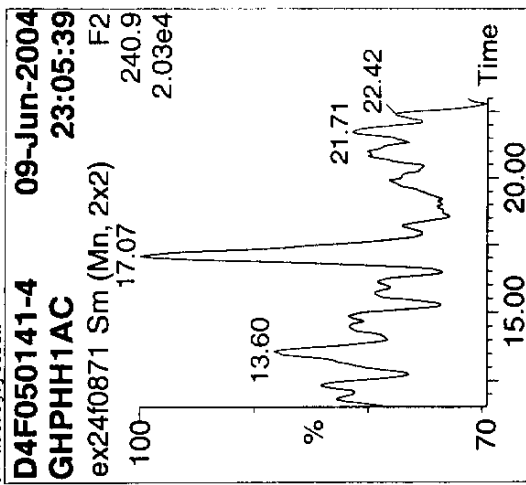
Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

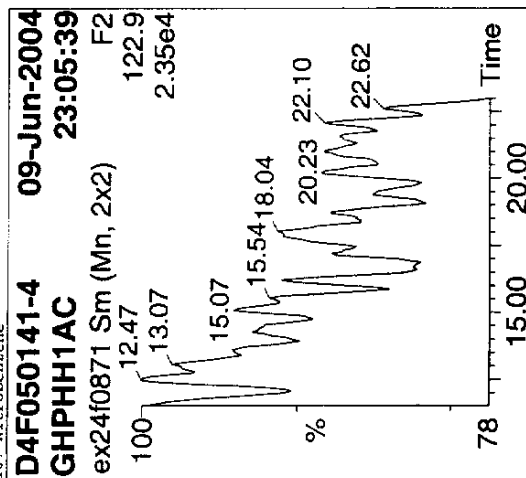
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0871
Text: D4F050141-4

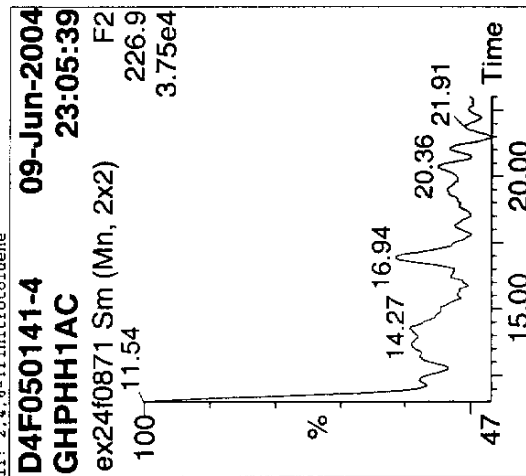
9: Nitroglycerin



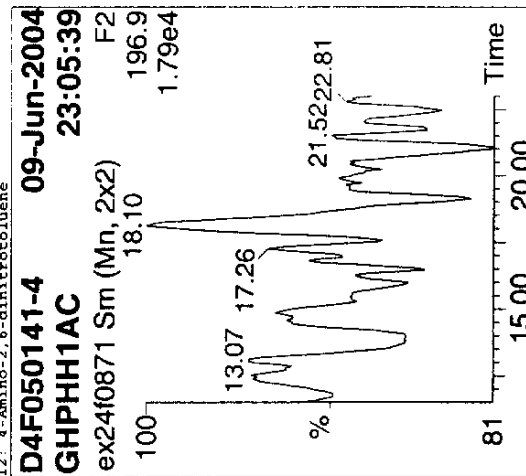
10: Nitrobenzene



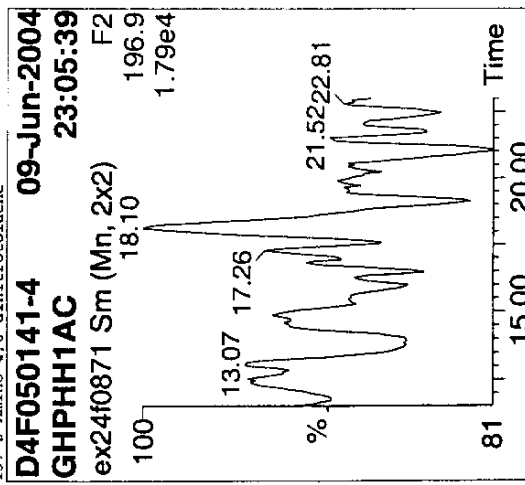
11: 2,4,6-Trinitrotoluene



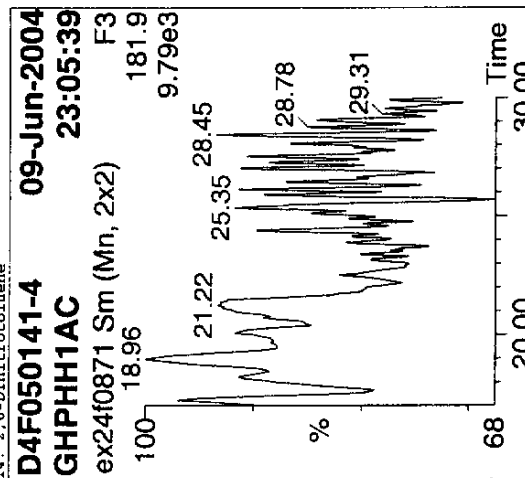
12: 4-Amino-2,6-dinitrotoluene



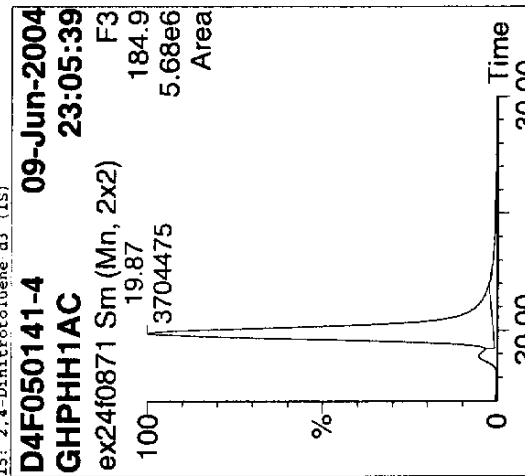
13: 2-Amino-4,6-dinitrotoluene



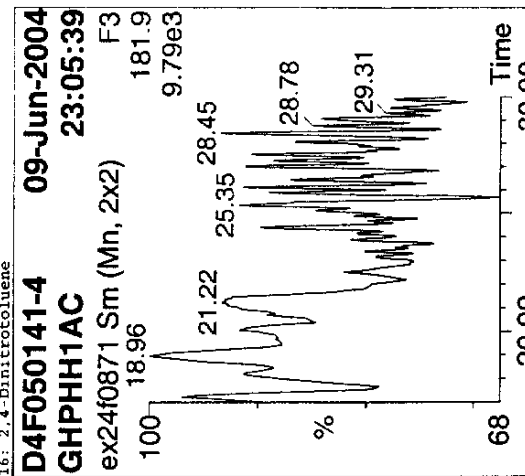
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene d3 (IS)



16: 2,4-Dinitrotoluene



Quantify Sample Report Explosives Analysis

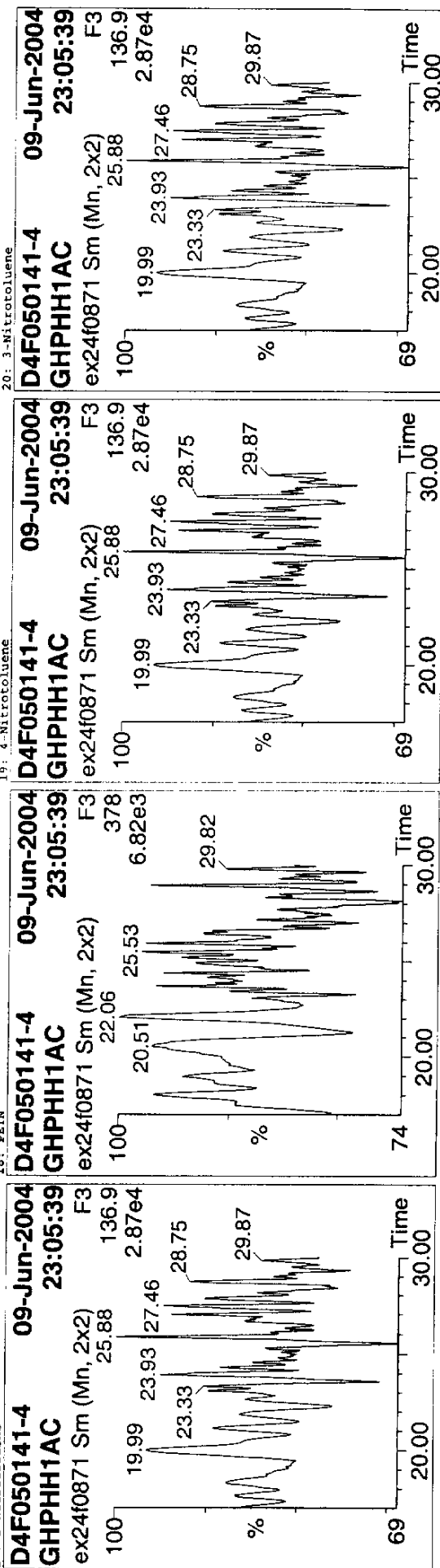
Page 66

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0871
 Text: D4F050141-4

17: 2-Nitrotoluene



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1 RDX			4247042						
2 RDX 13C-3 284 (IS)	10.10	4247042	4247042				0.824	82.41	
3 RDX			1274261		bb				
4 1,3,5-Trinitrobenzene			1274261						
5 Tetral			1274261						
6 Dinitrobenzene d4 (IS)	14.67	1274261	1274261		bb		0.940	94.05	
7 1,3-Dinitrobenzene			1274261				0.425	89.88	
8 Nitrobenzene-d5	15.80	379502	1274261						
9 Nitroglycerin			1274261						
10 Nitrobenzene			3704475						
11 2,4,6-Trinitrotoluene			3704475						
12 4-Amino-2,6-dinitrotoluene			3704475						
13 2-Amino-4,6-dinitrotoluene			3704475						
14 2,6-Dinitrotoluene			3704475						
15 2,4-Dinitrotoluene-d3 (IS)	19.86	3704475	3704475		db		0.929	92.93	
16 2,4-Dinitrotoluene			3704475						
17 2-Nitrotoluene			3704475						
18 PETN			3704475						
19 4-Nitrotoluene			3704475						
20 3-Nitrotoluene			3704475						

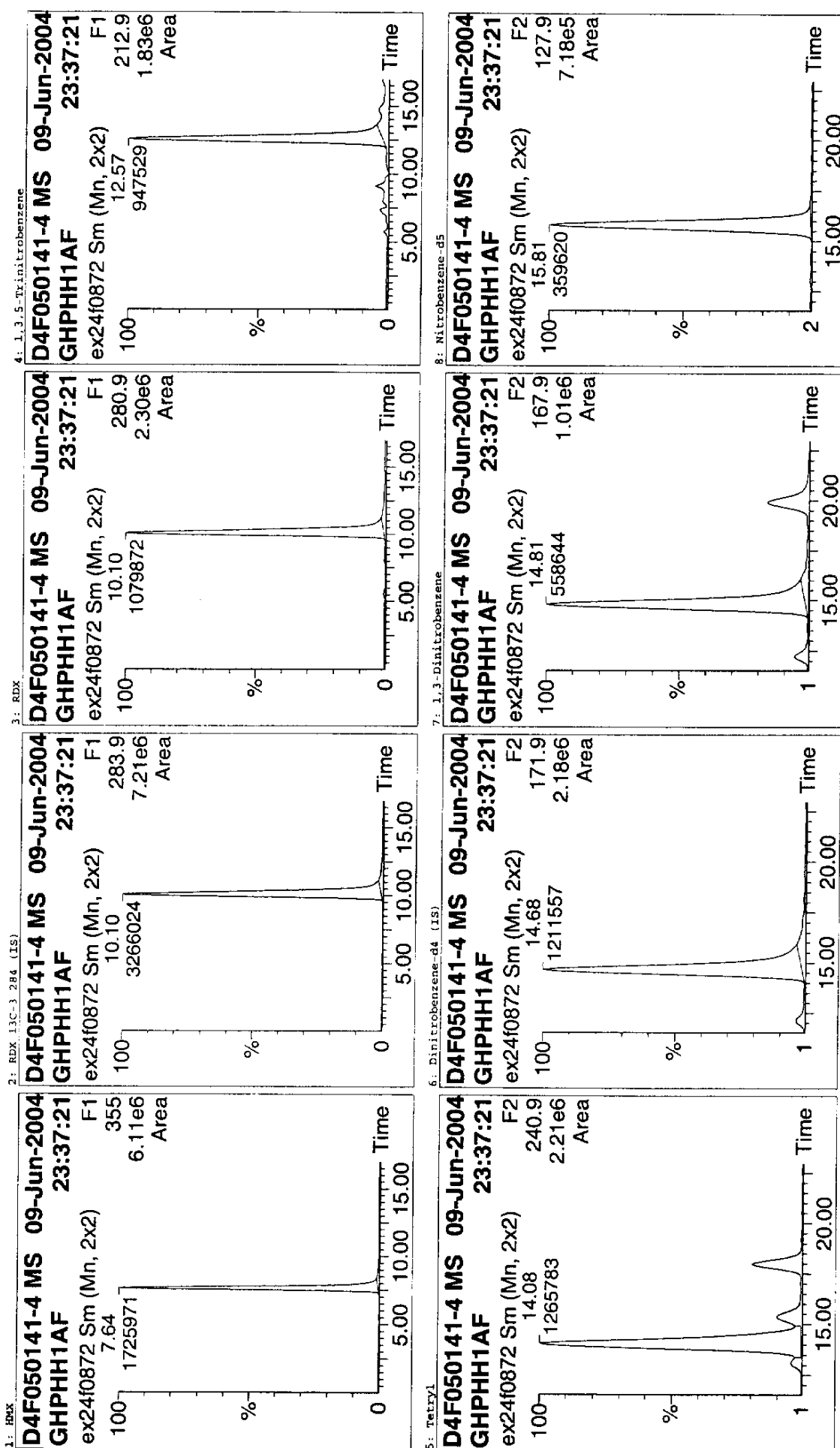
Analyst: Mark Dynarski

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:36 2004

Name: ex24f0872
Text: D4F050141-4 MS



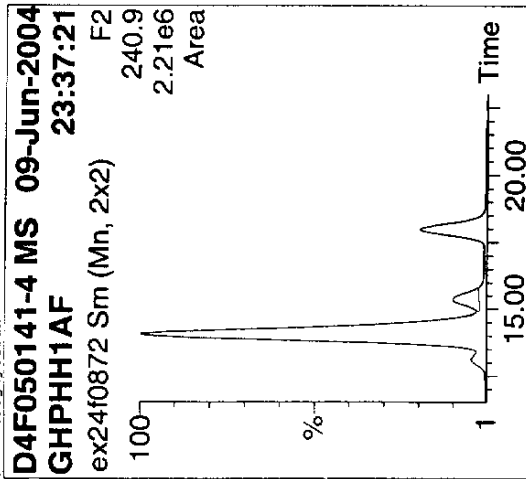
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08 (6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

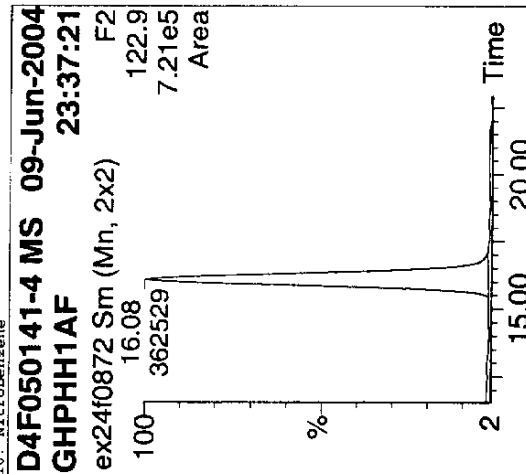
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0872
Text: D4F050141-4 MS

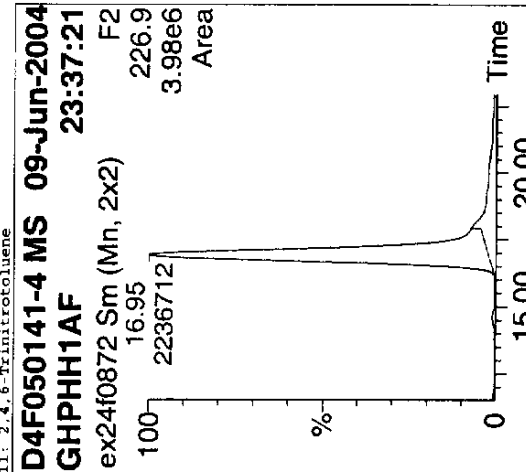
9. Nitroglycerin



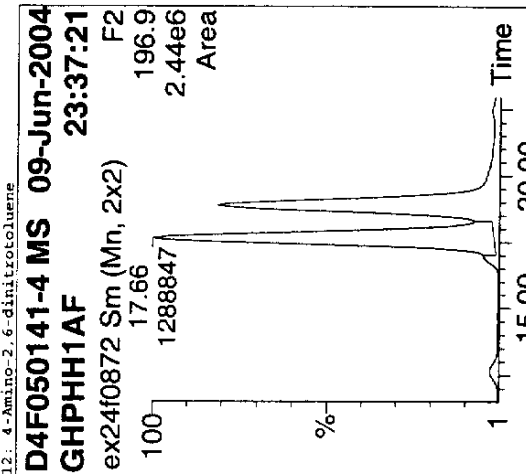
10. Nitrobenzene



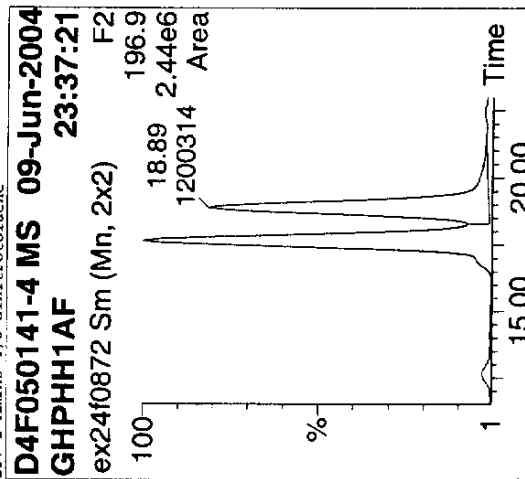
11. 2,4,6-Trinitrotoluene



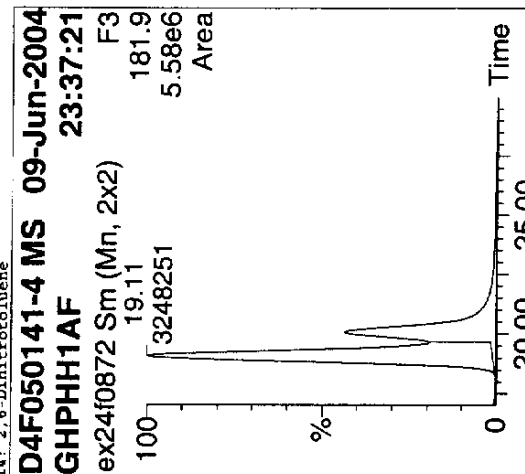
12. 4-Amino-2,6-dinitrotoluene



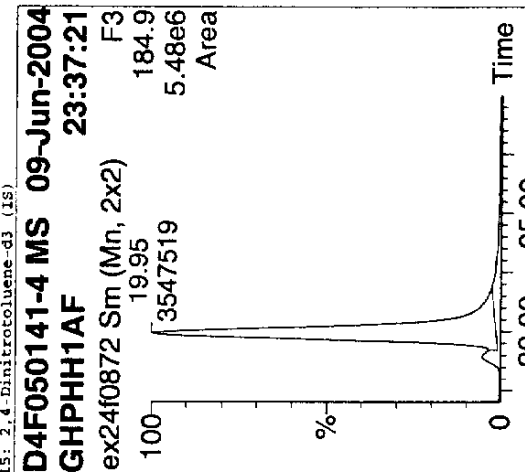
13. 2-Amino-4,6-dinitrotoluene



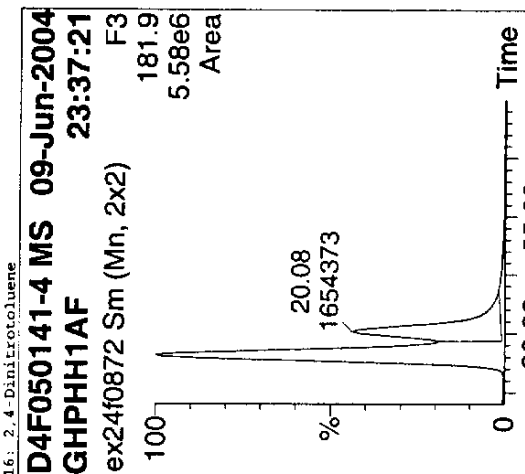
14. 2,6-Dinitrotoluene



15. 2,4-Dinitrotoluene-d3 (IS)



16. 2,4-Dinitrotoluene



Quantify Sample Report

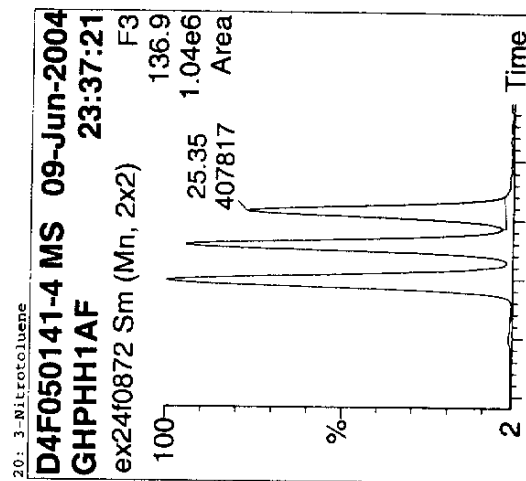
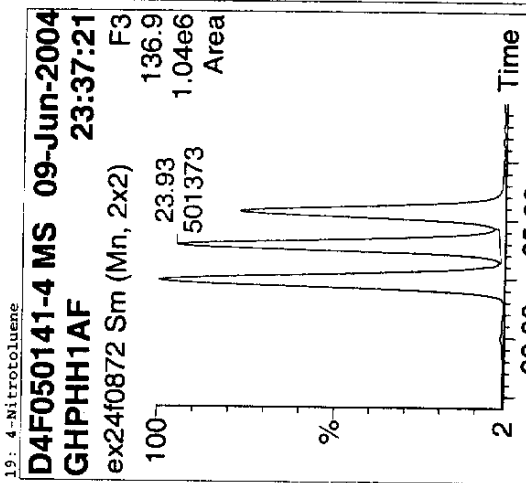
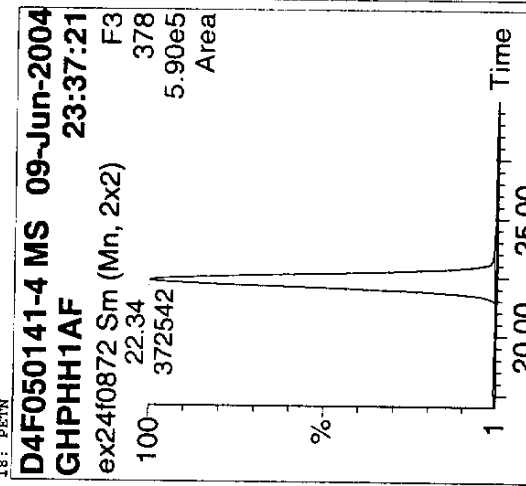
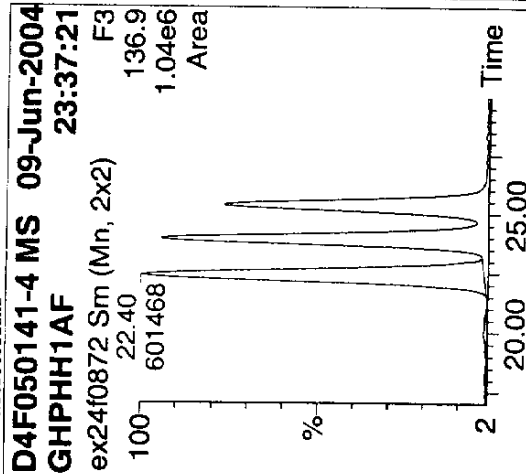
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f08
 Last modified: Tue Jun 08 12:56:36 2004
 Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0872
 Test: D4F050141-4 MS

17: 2-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod. Date	Mod. Comment
1	RDX	7.64	1725971	3266024	0.528	bb	0.523	110.91		
2	RDX 13C-3 284 (IS)	10.10	3266024	3266024	0.528	bb	0.634	63.38		
3	RDX	10.10	1079872	1211557	0.331	bb	0.474	100.43		
4	1,3,5-Trinitrobenzene	12.57	947529	1211557	0.782	bb	0.408	86.51		
5	Tetryl	14.08	1265783	1211557	1.045	dd	0.320	67.92		
6	Dinitrobenzene-d4 (IS)	14.68	1211557	1211557	0.461	bb	0.894	89.42		
7	1,3-Dinitrobenzene	14.81	586644	1211557	0.461	bb	0.457	96.78		
8	Nitrobenzene-d5	15.81	359620	1211557	0.297	bb	0.423	89.58		
9	Nitroglycerin	15.35	82607	1211557	0.068	db	0.264	55.93		
10	Nitrobenzene	16.08	362529	1211557	0.299	bb	0.428	90.83		
11	2,4,6-Trinitrotoluene	16.95	2236712	1211557	1.846	bs	0.436	90.67		
12	4-Amino-2,6-dinitrotoluene	17.66	1288847	3547519	0.363	dd	0.436	92.52		
13	2-Amino-4,6-dinitrotoluene	18.89	1200314	3547519	0.318	db	0.473	100.31		
14	2,6-Dinitrotoluene	19.11	3248251	3547519	0.916	bd	0.453	96.13		
15	2,4-Dinitrotoluene-d3 (IS)	19.95	3547519	3547519	0.466	db	0.890	89.00		
16	2,4-Dinitrotoluene	20.08	1654373	3547519	0.170	bb	0.448	94.94		
17	2-Nitrotoluene	22.40	601468	3547519	0.105	bb	0.404	85.73		
18	PETN	22.34	372542	3547519	0.141	dd	0.462	97.91		
19	4-Nitrotoluene	23.93	501373	3547519	0.115	db	0.420	89.14		
20	3-Nitrotoluene	25.35	407817	3547519			0.406	86.10		

Analyst: Mark Dynarski

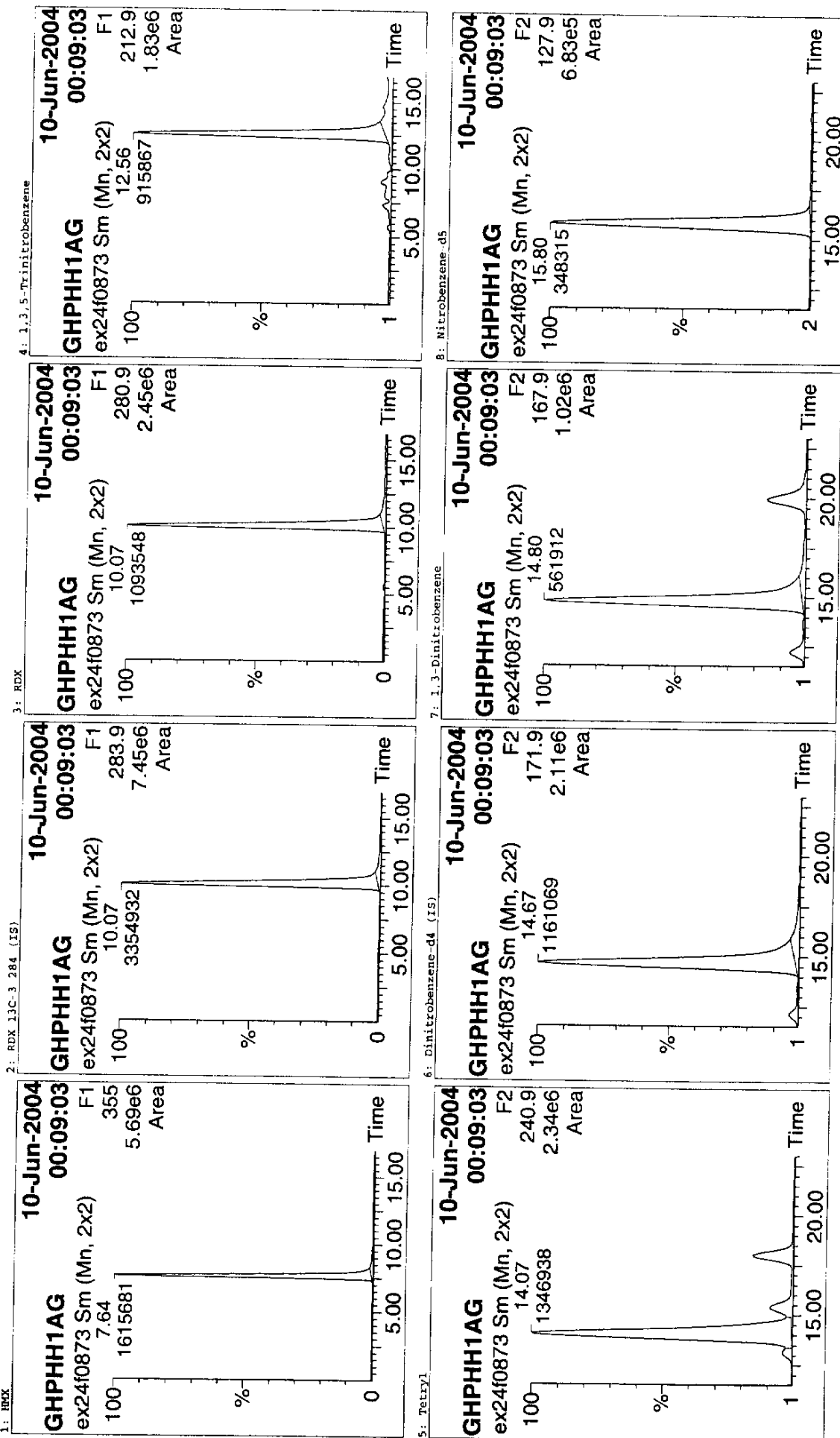
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0873
Text: D4f050141-4 MSD

1: HMX



Analyst: Mark Dynarski

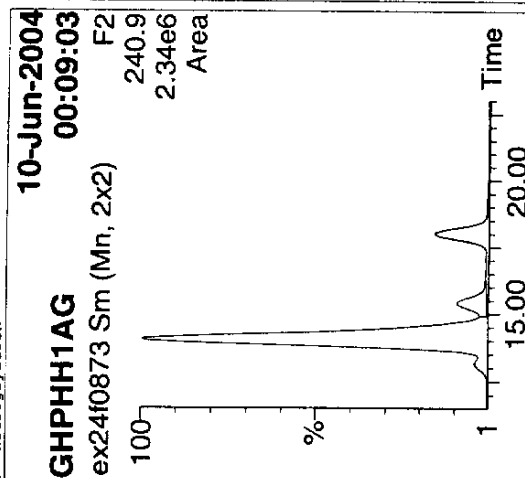
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
Last modified: Thu Jun 10 08:31:21 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f08
Last modified: Tue Jun 08 12:58:36 2004
Job Code:

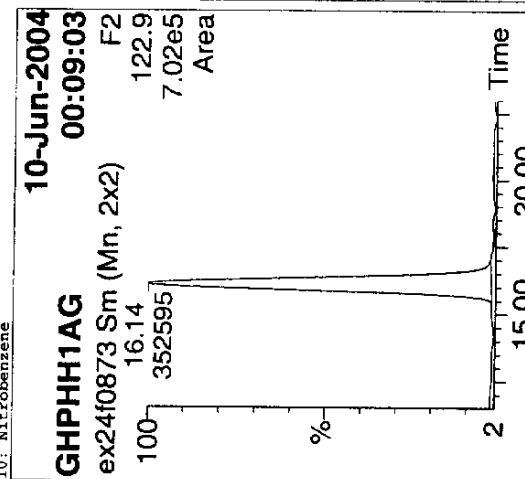
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0873
Text: DAF050141-4 MSD

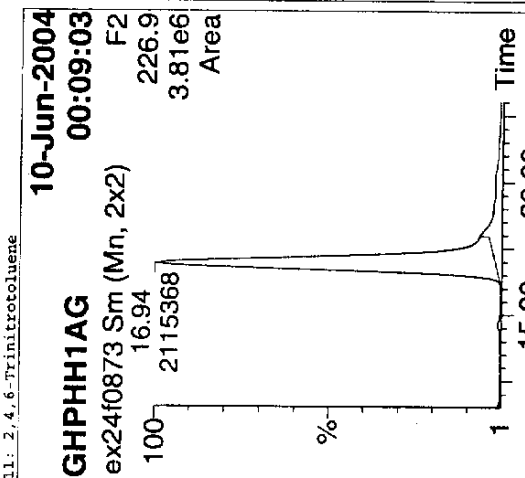
9: Nitroglycerin



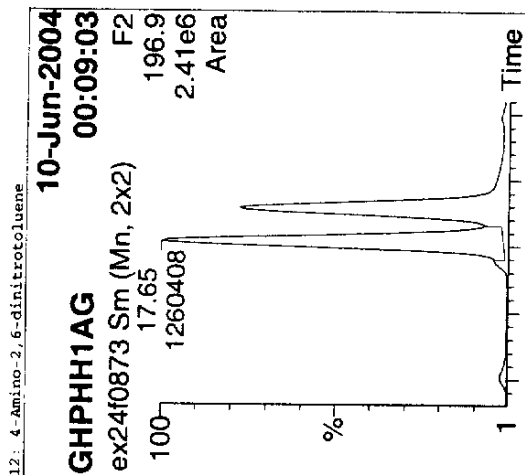
10: Nitrobenzene



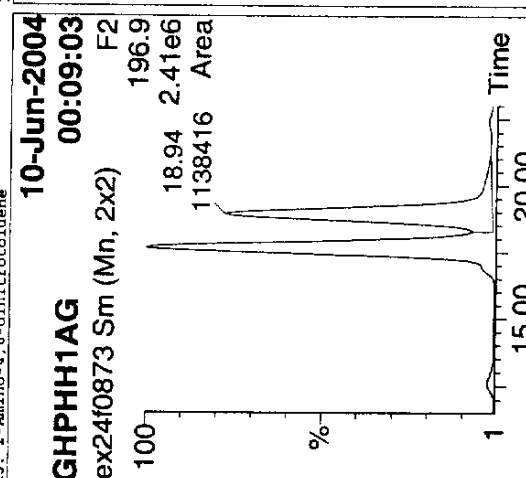
11: 2,4,6-Trinitrotoluene



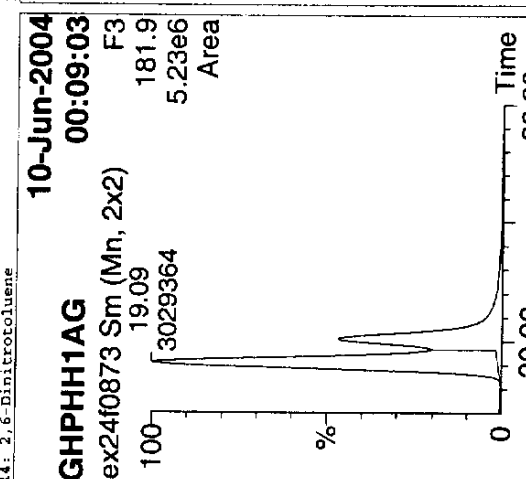
12: 4-Amino-2,6-dinitrotoluene



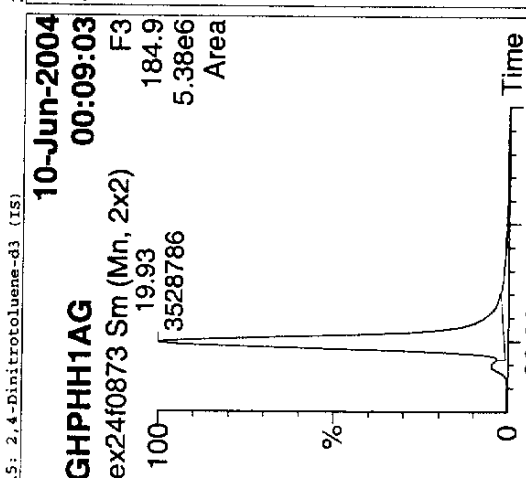
13: 2-Amino-4,6-dinitrotoluene



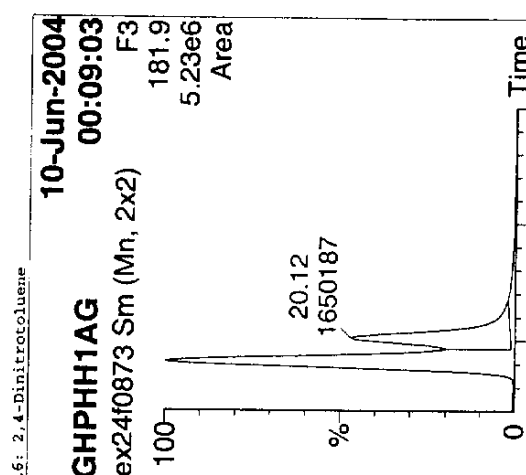
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene



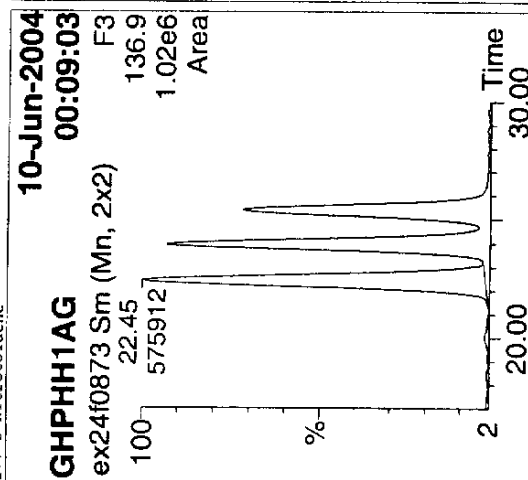
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f08(6)
 Last modified: Thu Jun 10 08:31:21 2004
 Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f08
 Last modified: Tue Jun 08 12:58:36 2004
 Job Code:

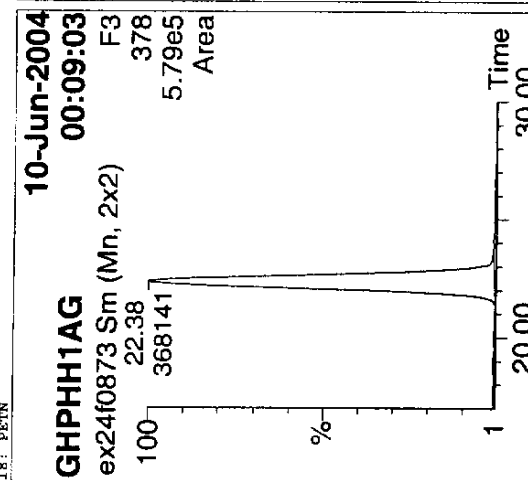
Printed: Thu Jun 10 08:52:26 2004

Name: ex24f0873
 Text: D4F050141-4 MSD

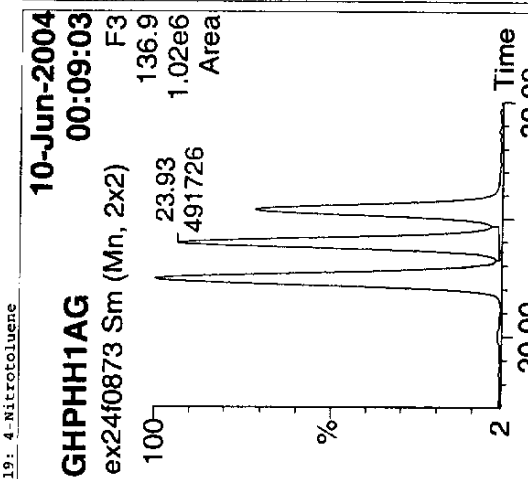
17: 2-Nitrotoluene



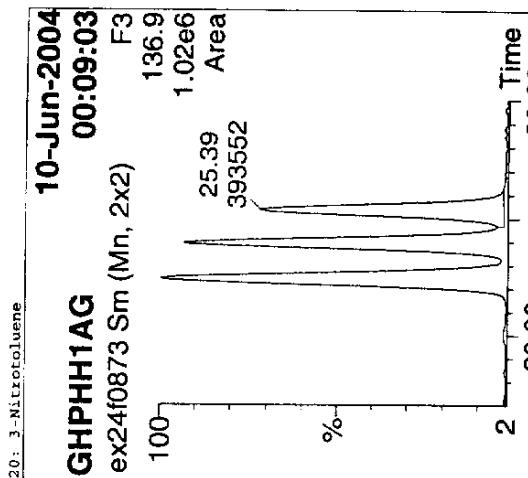
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	ROX	7.64	1615681	3354932	0.482	bb	0.495	98.48				
2	ROX 13C-3 284 (IS)	10.07	3354932	3354931	0.326	bb	0.451	65.10				
3	ROX	10.07	1093548	3354932	0.326	bb	0.498	98.97				
4	1,3,5-Trinitrobenzene	12.56	915867	1161069	0.789	bb	0.439	87.34				
5	Tetryl	14.07	1346938	1161069	1.160	dd	0.383	76.13				
6	Dinitrobenzene-d4 (IS)	14.67	1161069	1161069	0.484	bb	0.857	85.69				
7	1,3-Dinitrobenzene	14.80	561312	1161069	0.300	bb	0.511	101.65				
8	Nitroglycerin	15.80	348315	1161069	0.097	ds	0.455	90.54				
9	Nitrobenzene	16.14	112607	1161069	0.304	bb	0.431	85.59				
10	Nitrobenzene	16.94	352595	1161069	1.822	bs	0.464	92.20				
11	2,4,6-Trinitrotoluene	17.65	2115368	1161069	0.357	dd	0.450	89.44				
12	4-Amino-2,6-dinitrotoluene	18.94	1260408	3528786	0.357	dd	0.457	90.93				
13	2-Amino-4,6-dinitrotoluene	18.94	1138416	3528786	0.357	dd	0.480	95.51				
14	2,6-Dinitrotoluene	19.09	3029364	3528786	0.858	bd	0.453	90.04				
15	2,4-Dinitrotoluene	19.93	3528786	3528786	0.468	db	0.865	88.53				
16	2,4-Dinitrotoluene-d3 (IS)	20.12	1650187	3528786	0.163	bb	0.479	95.20				
17	2-Nitrotoluene	22.45	575912	3528786	0.104	bb	0.415	82.47				
18	PETN	22.38	368141	3528786	0.139	dd	0.489	97.14				
19	4-Nitrotoluene	23.93	491726	3528786	0.112	db	0.442	87.87				
20	3-Nitrotoluene	25.39	393552	3528786			0.420	83.50				

Analyst: Mark Dynarski

LC/MS

Supporting Documentation

Sample Sequence, Quant Reports,
Chromatograms



STL

Lot ID: 04F050141

Client: Techlaw Inc.

Method: 8321A RDX Degs

Associated Samples: 1-4

Batch #(s): 4161109

*I certify that, to the best of my knowledge, the attached package
represents a complete and accurate copy of the original data.*

Signature/Date: Mark Dymowski 7/7/04

**LC/MS SEMIVOLATILE
ORGANIC EXTRACTION
LOG SHEETS**

RQC058

Seyvern Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 6/09/04
Time: 17:25:48

LEV 1 LEV 2 LEV 1 LEV 2

Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
			Y	Y	Labels, greenbars, worksheets
			Y	Y	computer batch: correct & all match
			Y	Y	Anomalies to Extraction Method

Expanded Deliverable
 - COC Completed
 - Bench Sheet Copied
 - Package Submitted to Analytical Group
 - Bench Sheet Copied per COC

Extractionist: 009250 Heather Despres

Concentrationist: 009250 Heather Despres

 * QC BATCH: 4161109 *
 * PREP DATE: 6/09/04 7:15
 * COMP DATE: 6/09/04 17:00

Reviewer/Date: MOTICHJA / 6/09/04

8321A, Nitroso Degradates of RDX
SOLID PHASE EXTRACTION (NOMINAL)

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS	SPIKE STANDARD/ SURROGATE ID
6/09/04	6/22/04	D4F040396-001 GHNJO-1-AA	D	B7	EQ	WATER	1063mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O	2.5 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/09/04	6/22/04	D4F040396-003 GHNJV-1-AA	D	B7	EQ	WATER	971mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O	2.5 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/09/04	6/22/04	D4F040396-004 GHNJV-1-AA	D	B7	EQ	WATER	1054mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O	2.5 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/11/04	6/23/04	D4F050141-001 GHPG9-1-AA	D	B7	EQ	WATER	1066mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O	2.5 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/11/04	6/23/04	D4F050141-002 GHPHF-1-AA	D	B7	EQ	WATER	1063mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O	2.5 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/11/04	6/23/04	D4F050141-003 GHPHG-1-AA	D	B7	EQ	WATER	1062mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O	2.5 .25 ML 856-66-1 6-8-4
COMMENTS:													
6/11/04	6/23/04	D4F050141-004 GHPHH-1-AA	D	B7	EQ	WATER	1062mL 5.00mL	7.0	NA	NA	ACN	2.5 H2O	2.5 .25 ML 856-66-1 6-8-4
COMMENTS:													

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/09/04
Time: 17:25:48

* QC BATCH: 4161109 *
* PREP DATE: 6/09/04 7:15
* COMP DATE: 6/09/04 17:00

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS VOL EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/11/04	6/23/04	D4F050141-004 GHPHH-1-ADS	D	B7	EQ	1065mL 5.00mL	7.0	NA	ACN	2.5	H2O	2.5 1ML 856-67-1 6-9-4 .25 ML 856-66-1 6-8-4
COMMENTS:												
6/11/04	6/23/04	D4F050141-004 GHPHH-1-AED	D	B7	EQ	1063mL 5.00mL	7.0	NA	ACN	2.5	H2O	2.5 1ML 856-67-1 6-9-4 .25 ML 856-66-1 6-8-4
COMMENTS:												
6/09/04	0/00/00	R4F090000-109 GHV34-1-AAB		B7	EQ	1000mL 5.00mL	7.0	NA	ACN	2.5	H2O	.25 ML 856-66-1 6-8-4
COMMENTS:												
6/09/04	0/00/00	R4F090000-109 GHV34-1-ACC		B7	EQ	1000mL 5.00mL	7.0	NA	ACN	2.5	H2O	2.5 1ML 856-67-1 6-9-4 .25 ML 856-66-1 6-8-4
COMMENTS:												

DEN-LC-RDX H2O:MILLI Q/A02E01 ACN:Y44815 CARTRIDGES:S214-18/10940-4
S/S:HD

R = RUSH	C = CLP	NUMBER OF WORK ORDERS IN BATCH:
E = EPA 600	D = EXP.DEL)	11
M = CLIENT REQ MS/MSD		

LC/MS SEMIVOLATILE
Instrument Run Log

Masslynx - Sample List

Page 1

Sample List: C:\Masslynx\mnxtnx.PRO\SampleDB\mt24g06(2).SPL
Printed: Wed Jul 07 12:03:44 2004

Page Position: (1, 1)

	File Name	Sample ID	File Text	Sample Type	TNX $\mu\text{g/L}$	RDX 13C3 $\mu\text{g/L}$	DNX $\mu\text{g/l}$	MNX $\mu\text{g/L}$	Vial
1	mt24g0643	856.90.6	Blank	Blank	0	100	0	0	1
2	mt24g0644	856.90.7	10 ppb	Standard	10.2	10	6.7	12.4	2
3	mt24g0645	856.90.8	25 ppb	Standard	25.6	25	16.8	31	3
4	mt24g0646	856.90.9	50 ppb	Standard	51.3	50	33.5	62	4
5	mt24g0647	856.90.10	100 ppb	Standard	102	100	67	124	5
6	mt24g0648	856.90.11	200 ppb	Standard	204	200	134	248	6
7	mt24g0649	856.90.12	300 ppb	Standard	306	300	201	372	7
8	mt24g0650	856.90.6	Blank	Blank	0	100	0	0	1
9	mt24g0661	856.90.10	100 ppb	QC	102	100	67	124	5
10	mt24g0662	GHV341AA	R4F090000-109 MB	Blank	0	100	0	0	20
11	mt24g0663	GHV341AC	R4F090000-109 LCS	QC	100	100	100	100	21
12	mt24g0664	GHNJQ1AA	D4F040396-1	Analyte	0	100	0	0	22
13	mt24g0665	GHNVJ1AA	D4F040396-3	Analyte	0	100	0	0	23
14	mt24g0666	GHNJW1AA	D4F040396-4	Analyte	0	100	0	0	24
15	mt24g0667	GHPG91AA	D4F050141-1	Analyte	0	100	0	0	25
16	mt24g0668	GHPHF1AA	D4F050141-2	Analyte	0	100	0	0	26
17	mt24g0669	GHPHG1AA	D4F050141-3	Analyte	0	100	0	0	27
18	mt24g0670	856.90.11	200 ppb	QC	204	200	134	248	6
19	mt24g0671	GHPHH1AA	D4F050141-4	Analyte	0	100	0	0	28
20	mt24g0672	GHPHH1AD	D4F050141-4 MS	QC	100	100	100	100	29
21	mt24g0673	GHPHH1AE	D4F050141-4 MSD	QC	100	100	100	100	30
22	mt24g0674	856.90.10	100 ppb	QC	102	100	67	124	5

Sample List: C:\Masslynx\mnxtnx.PRO\SampleDB\mt24g06(2).SPL
Printed: Wed Jul 07 12:03:44 2004

Page Position: (2, 1)

	Extract (L)	Sample (L or kg)	Dilution	μ L Injected	MS Tune File	Inlet File	MS File
1	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
2	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
3	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
4	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
5	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
6	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
7	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
8	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
9	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
10	0.005	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
11	0.005	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
12	0.005	1.0630	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
13	0.005	0.9710	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
14	0.005	1.0540	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
15	0.005	1.0660	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
16	0.005	1.0630	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
17	0.005	1.0620	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
18	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
19	0.005	1.0620	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
20	0.005	1.0650	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
21	0.005	1.0630	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
22	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx

**LC/MS SEMIVOLATILE
STANDARD DATA**

Quantify Calibration Report

RX Degradates Analysis

Calibration: C:\Masslynx\mx\tx\PRO\Curves\mt24F06

Last modified: Wed Jul 07 06:34:28 2004

Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

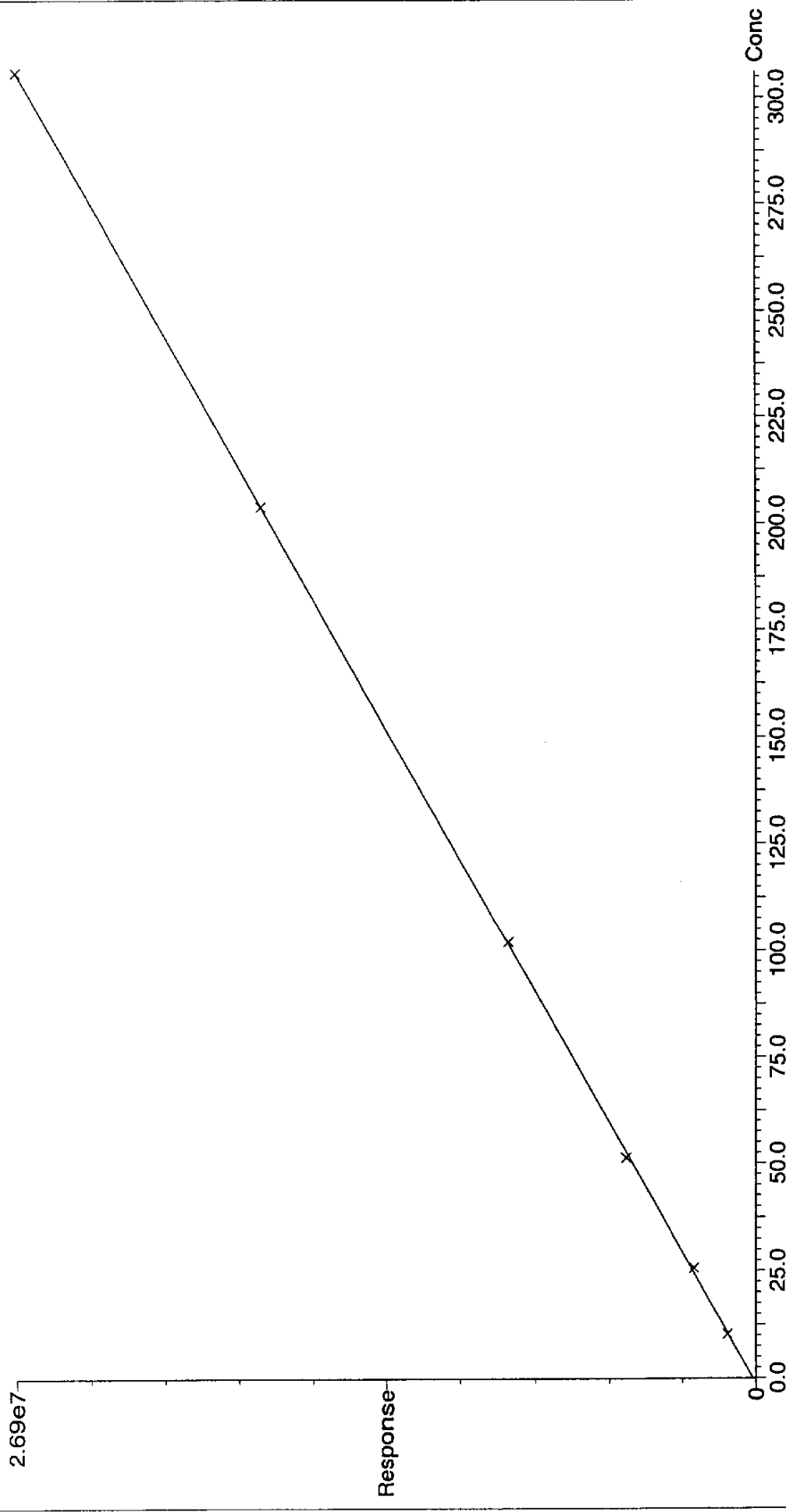
Compound 1 name: TNX Method File: mt24F06

Coefficient of Determination: 0.999947

Calibration curve: $-1.84373 * x^2 + 88043.5 * x + 123273$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
RDX Degradates Analysis

Calibration: C:\Masslynx\method\PRO\CurvesDB\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

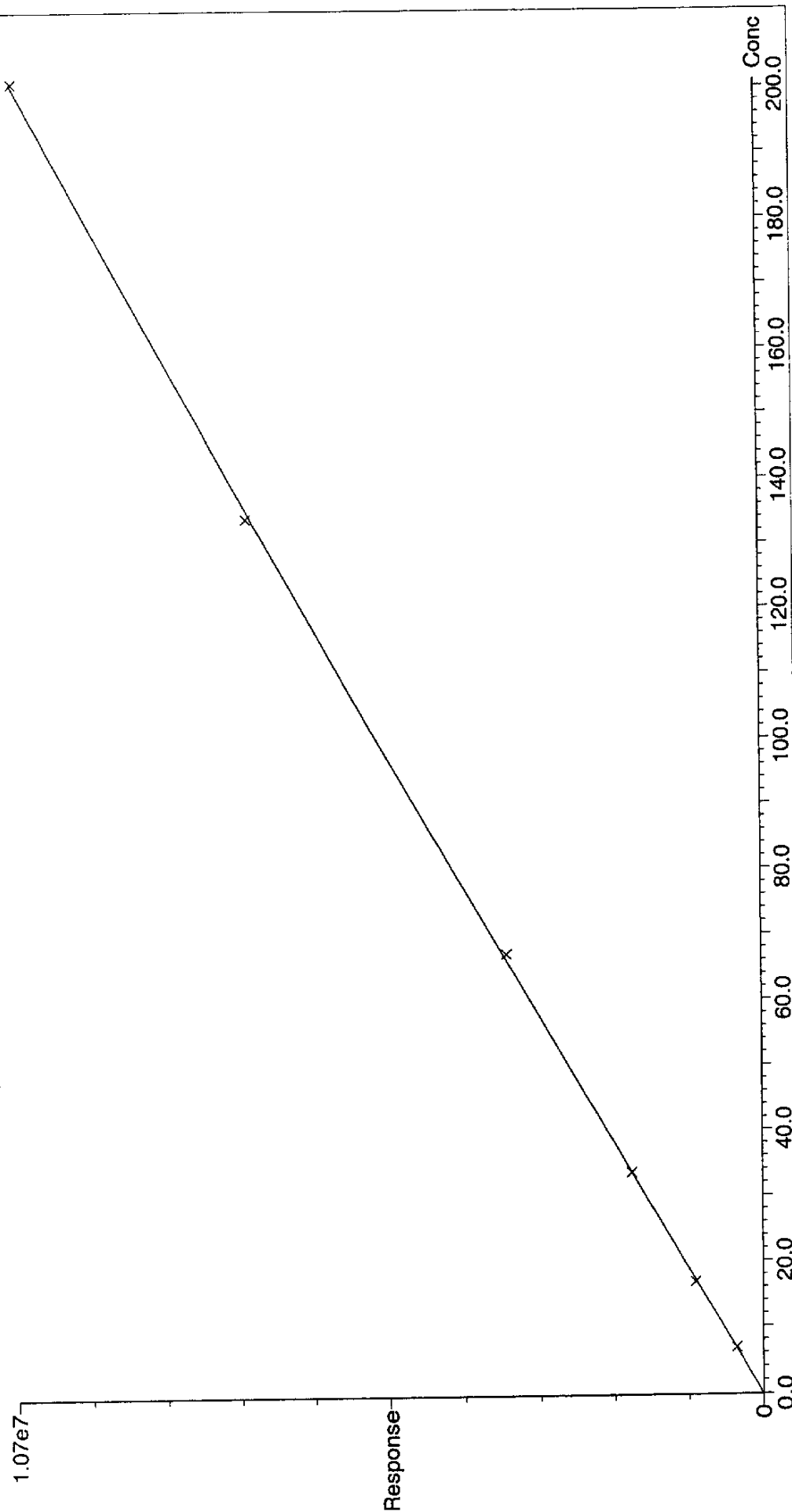
Compound 2 name: DNX Method File: mt24F06

Coefficient of Determination: 0.999904

Calibration curve: $-16.1748 * x^2 + 56452.1 * x + 11559.7$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report

RM Degradates Analysis

Calibration: C:\Masslynx\lrm\mt24F06

Last modified: Wed Jul 07 06:34:28 2004

Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs Amt = on-column concentration ($\mu\text{g/L}$) Vf = Final volume at end of extraction (L)
 DF = Dilutions after extraction (L/L) Vs = Size of sample Extracted (L or kg)

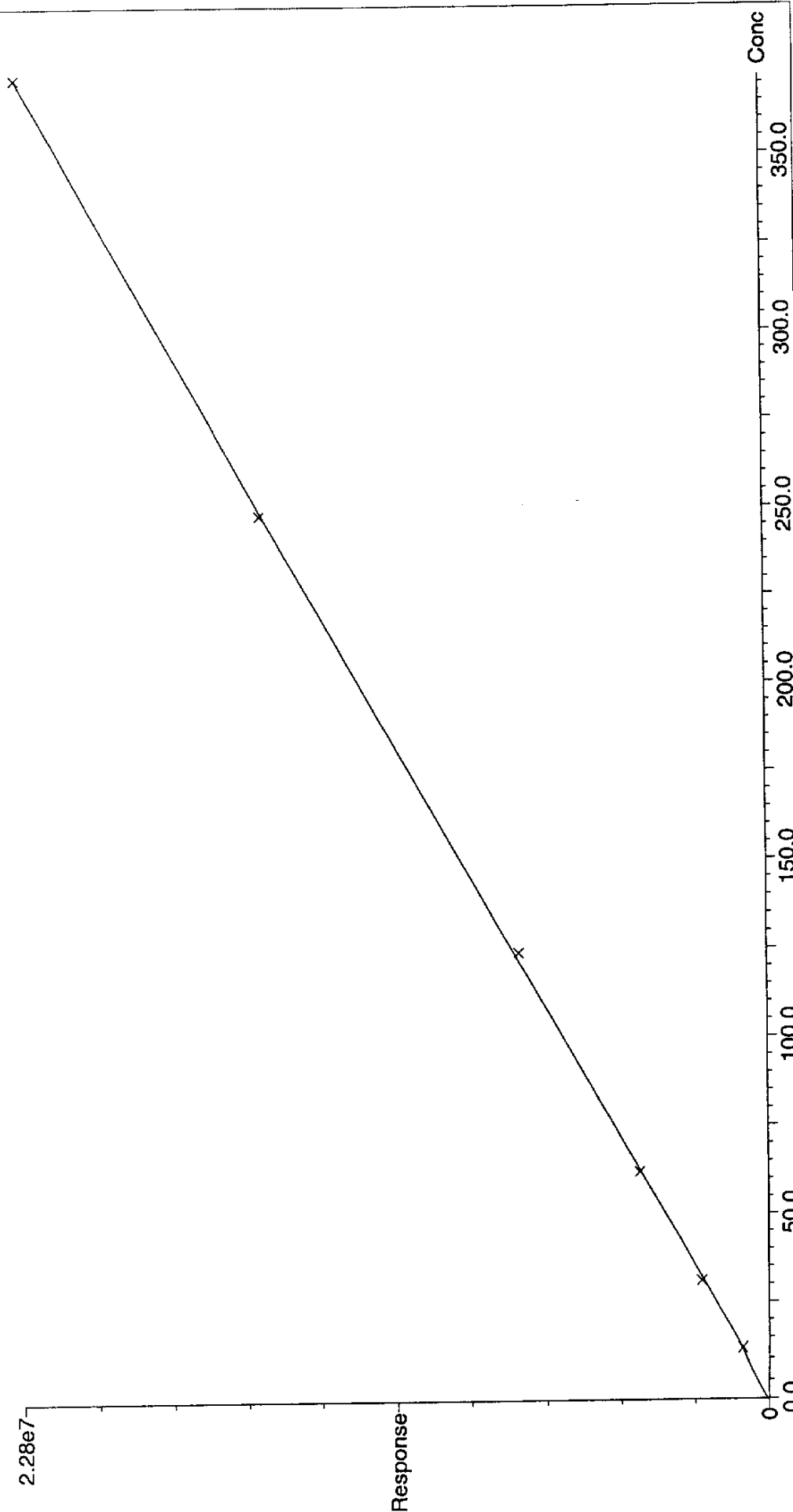
Compound 3 name: MNX Method File: mt24F06

Coefficient of Determination: 0.999910

Calibration curve: $-4.43151 * x^2 + 62711.1 * x + 62402.1$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
RDX Degradates Analysis

Calibration: C:\Masslynx\bin\mslchk PRO\CurveDB\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:04:46 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

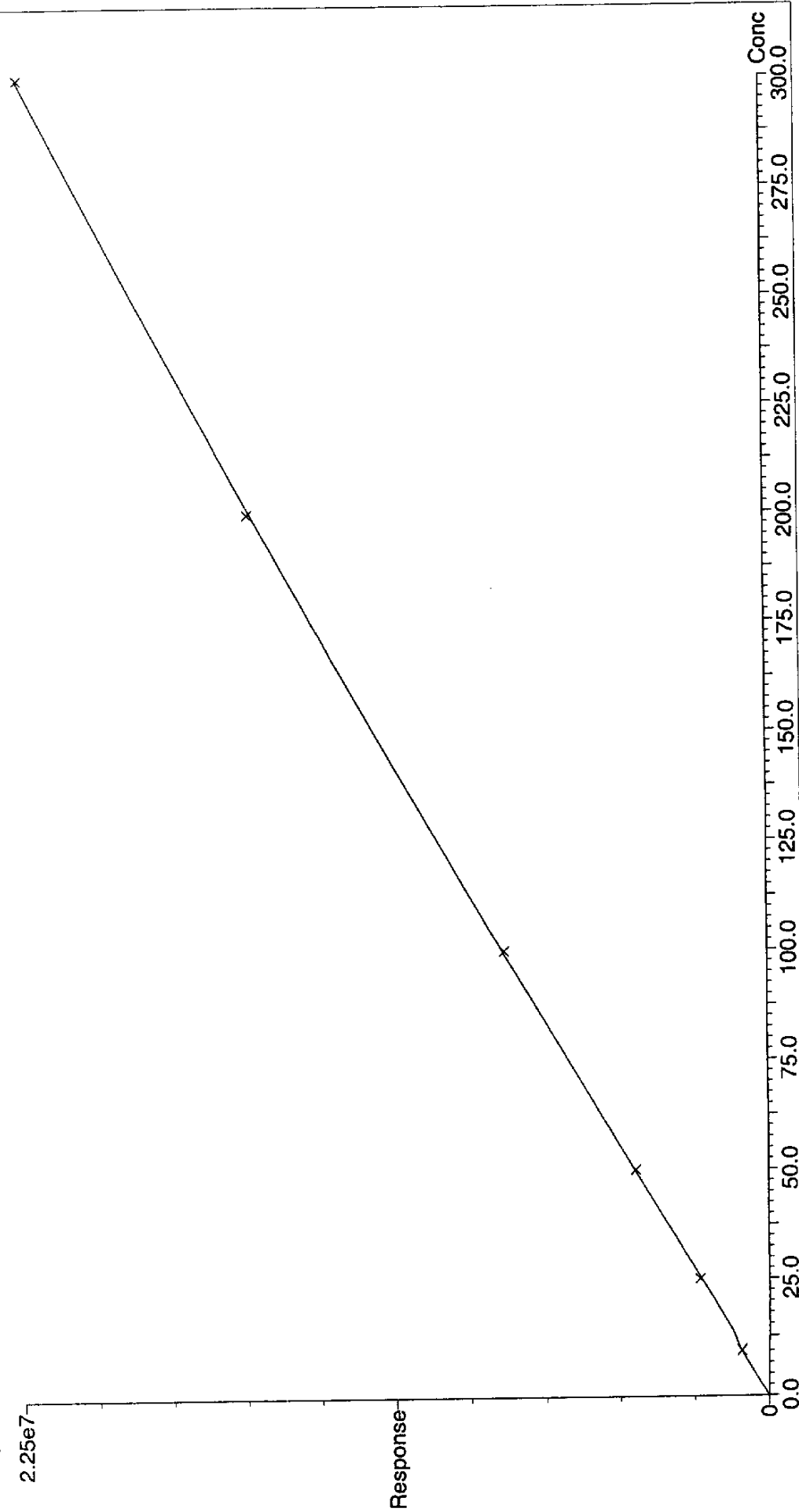
Compound 4 name: RDX13C3 Method File: mt24F06

Coefficient of Determination: 0.999952

Calibration curve: $-25.3451 * x^2 + 82600.6 * x + 5898.65$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



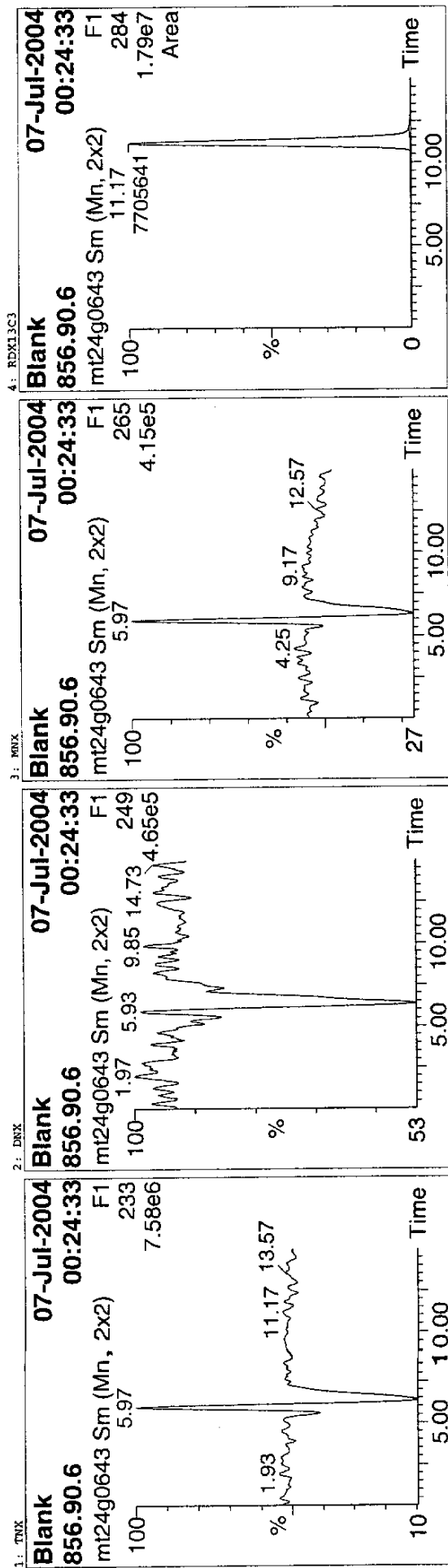
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmtxn\PRO\SAMPLEDATA\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mmtxn\PRO\METHODS\mt24r06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0643
Text: Blank



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1	TDX	11.17	7705541	7705640	500	bb	96.0472	96.05			
2	DNX										
3	MNX										
4	RDX13C3										

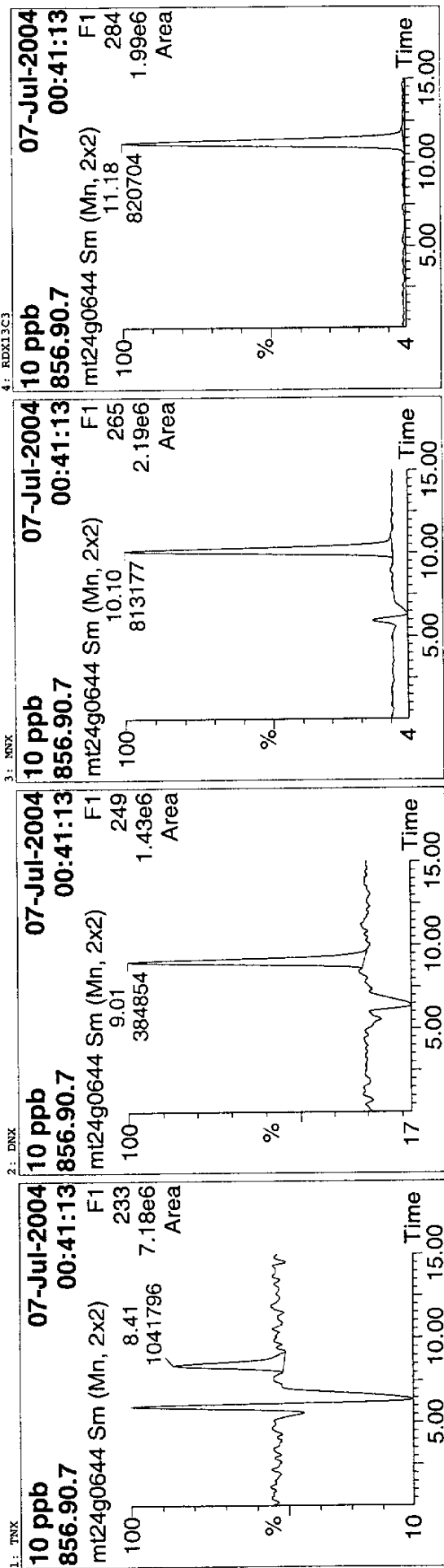
Analyst: Steve Cowling

Quantify Sample Report
RXN Degradates Analysis

Sample List: C:\Masslynx\bin\bin\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\bin\bin\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0644
Text: 10 ppb



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	8.41	1041796	1041796.438	bb		10.4349		102.30		
2 DNX	9.01	384854	384853.531	bb		6.6252		98.88		
3 MNX	10.10	813177	813176.500	bb		11.9821		96.63		
4 RDX13C3	11.18	820704	820704.125	bb		9.8944		98.94		

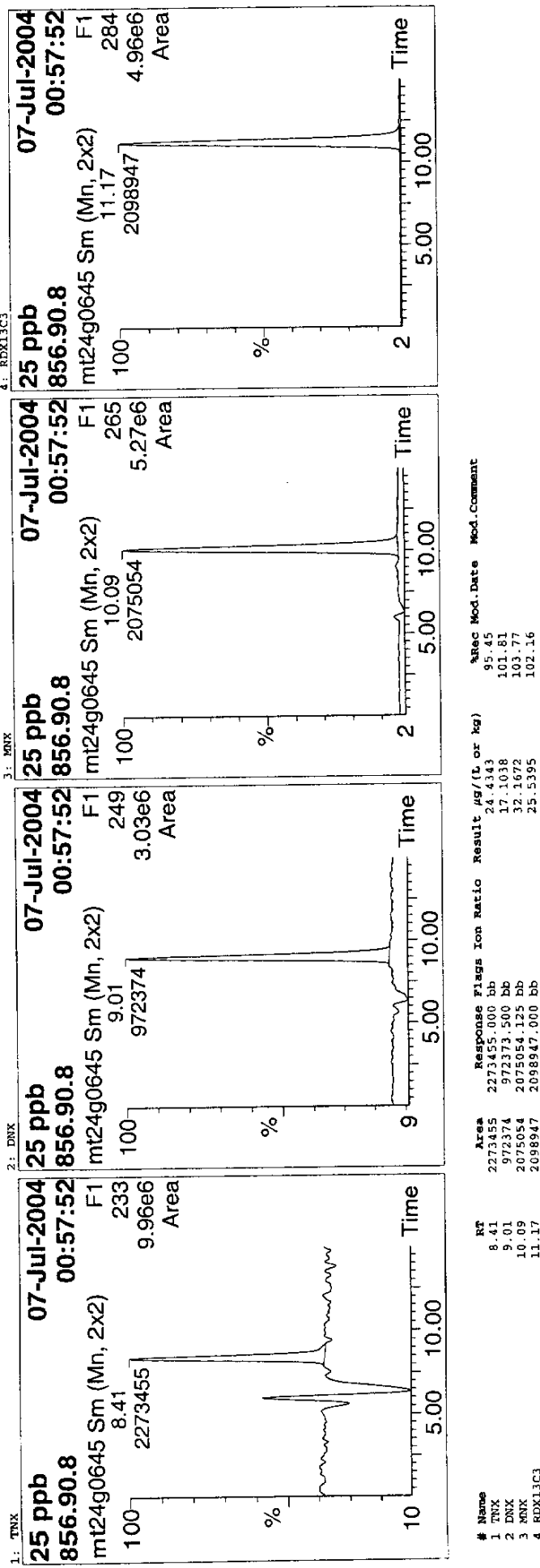
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\bin\mt24\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\bin\mt24\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Names: mt24g0645
Text: 25 ppb



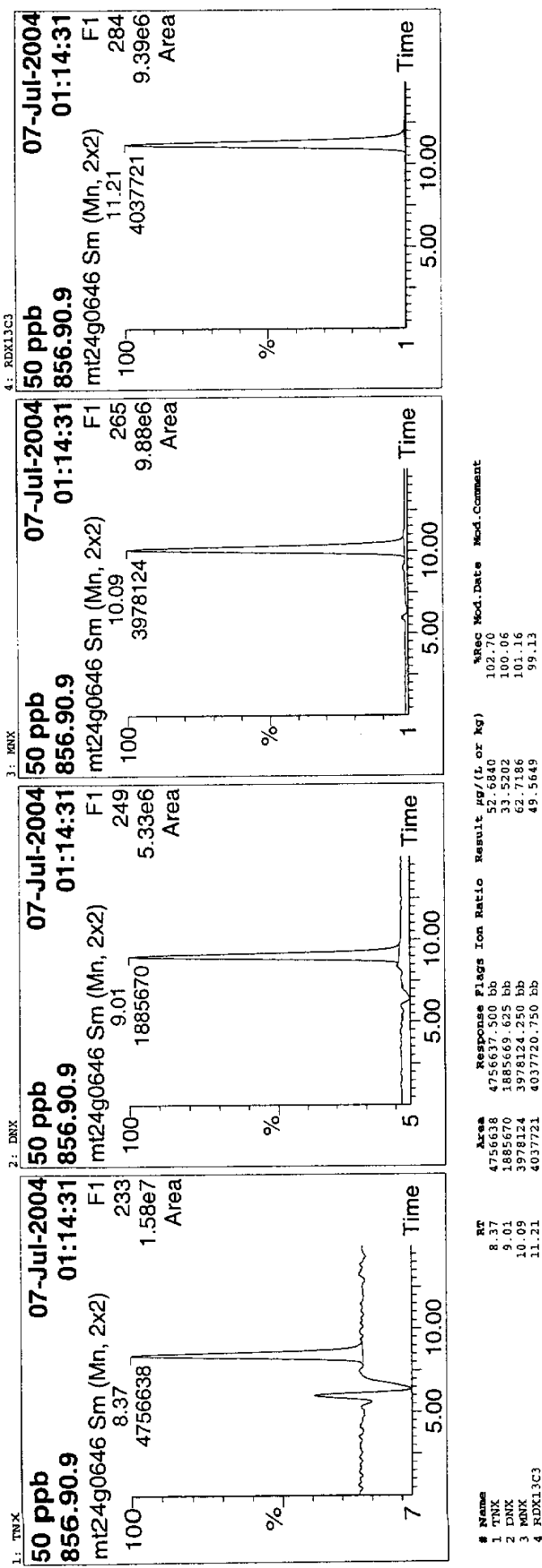
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\maxtxx.PRO\SampledDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\maxtxx.PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0646
Text: 50 PPB



Analyst: Steve Cowling

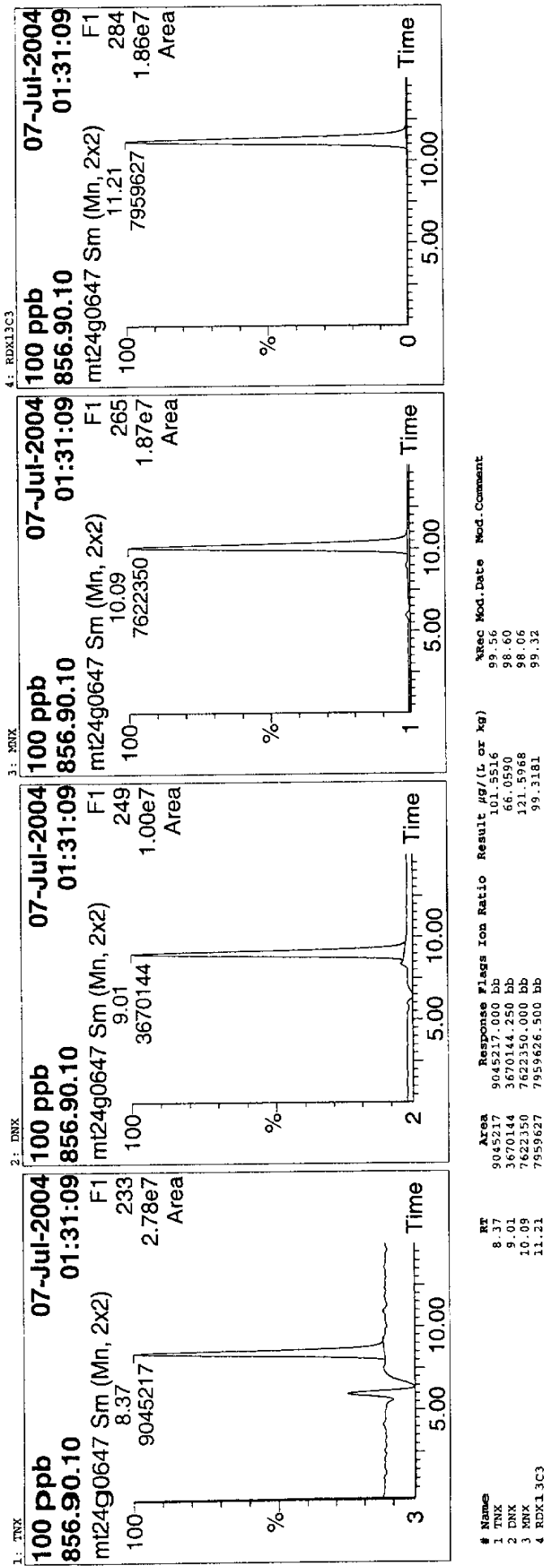
Quantify Sample Report

RDX Degradates Analysis

Sample List: C:\Masslynx\msntrnx.pro\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msntrnx.pro\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0647
Text: 100 ppb



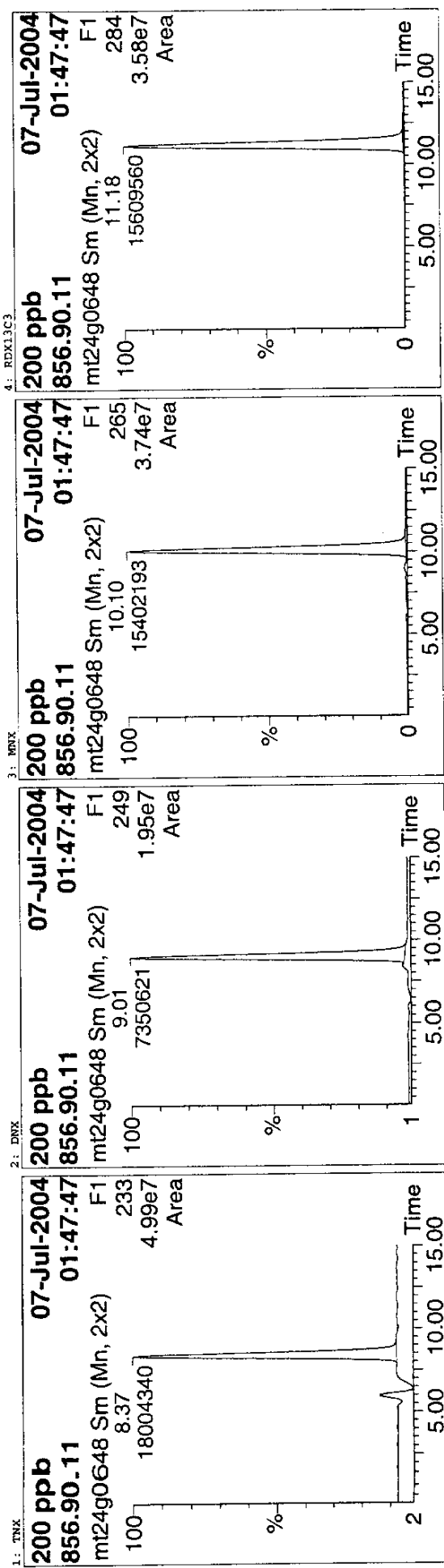
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmtxn\PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mmtxn\PRO\MethDB\mt24p06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0648
Text: 200 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	Area	Mod. Date	Mod. Comment
1	TNX	8.37	18004340	18004340.000	bb		203.9647		99.98		
2	DNX	9.01	7350621	7350621.000	bb		135.2460		100.93		
3	MNX	10.10	15402193	15402193.000	bb		248.9915		100.40		
4	RDX13C3	11.18	15609560	15609560.000	bb		201.3440		100.67		

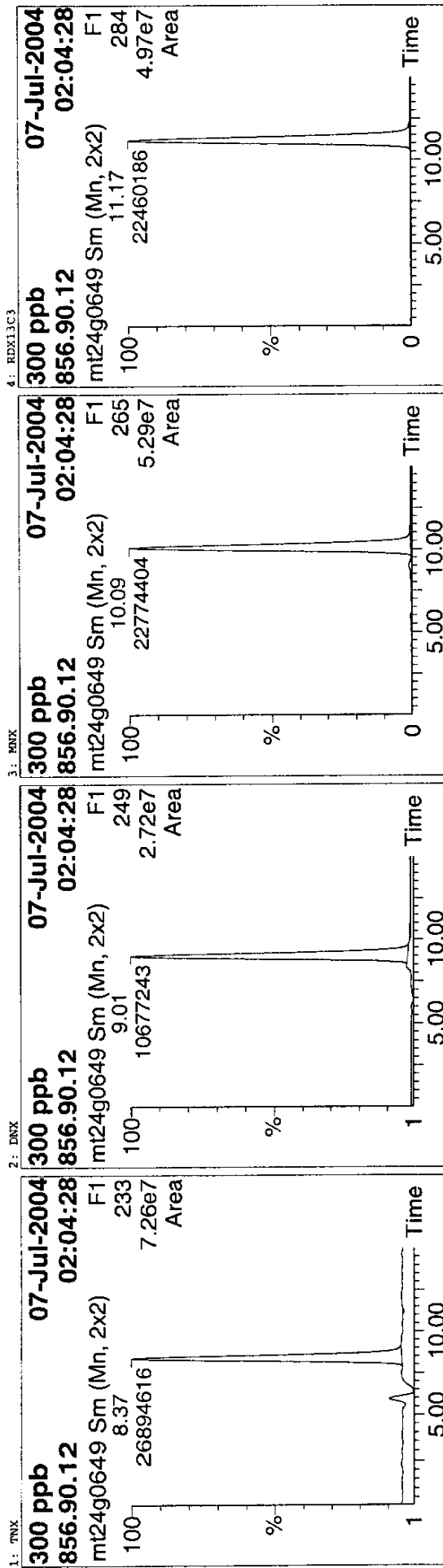
Analyt: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\metnrx.PRO\Samples\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\metnrx.PRO\MethDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0649
Text: 300 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1	TNX	8.37	26894616	26894616.000	bb		386.0307	100.01	100.01				
2	DNX	9.01	10677243	10677243.000	bb		280.4453	99.72	99.72				
3	MNX	10.09	22774404	22774404.000	bb		371.9448	99.99	99.99				
4	RDX13C3	11.17	22460186	22460186.000	bb		299.3349	99.78	99.78				

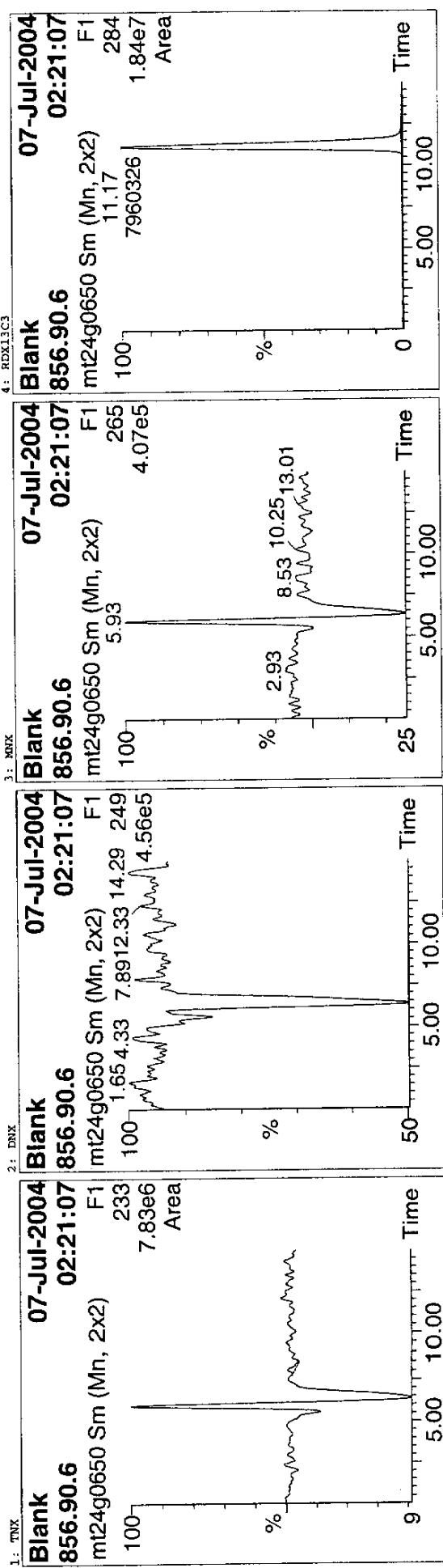
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\monitnx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\monitnx.PRO\MethDB\mt24r06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0650
Text: Blank



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	8.05	65543	65542.633	bb		0.0000				
2 DNX										
3 MNX	11.17	7960326	7960326.000	bb		99.3271		99.33		
4 RDX13C3										

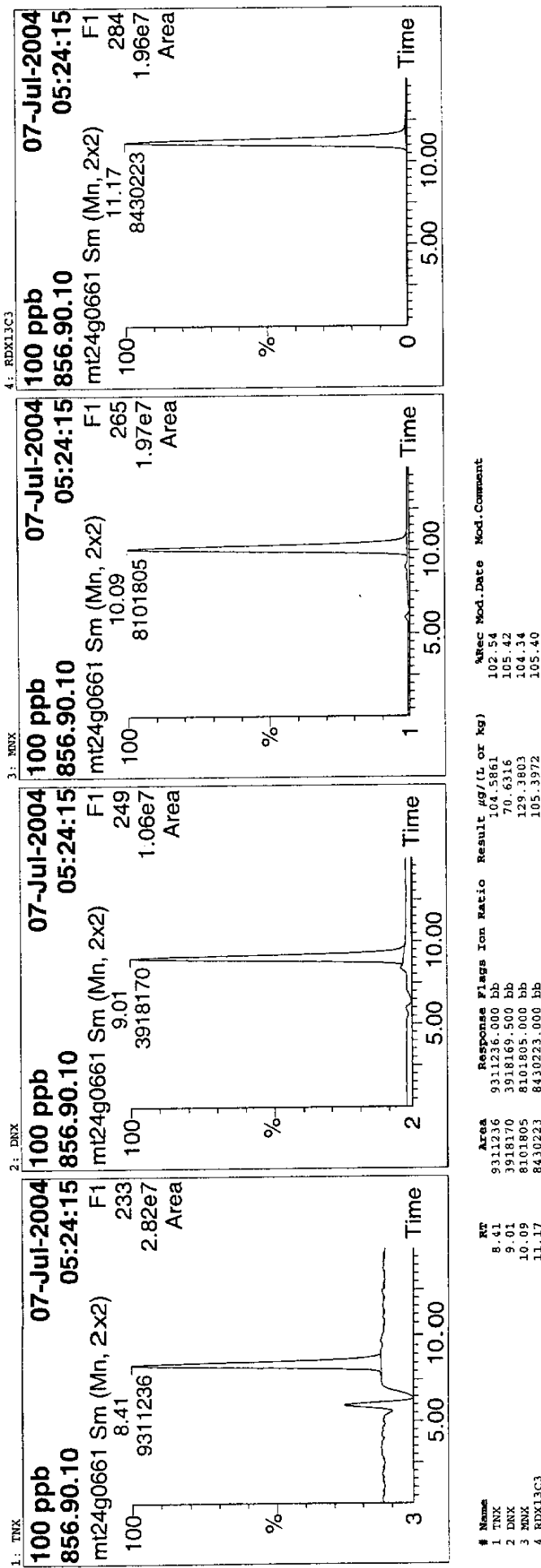
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msdetnx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msdetnx.PRO\Method\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0661
Text: 100 ppb

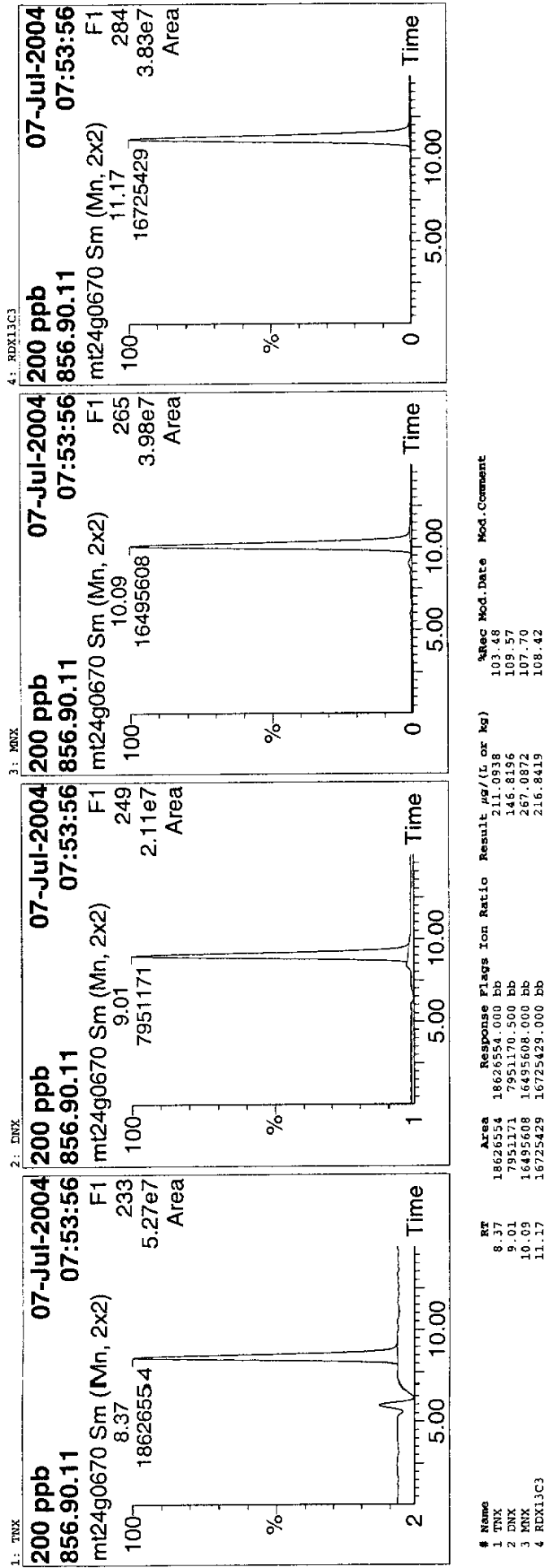


Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Mass1\yx\mntnx.pro\Samp\leDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Mass1\yx\mntnx.pro\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0670
Text: 200 ppb



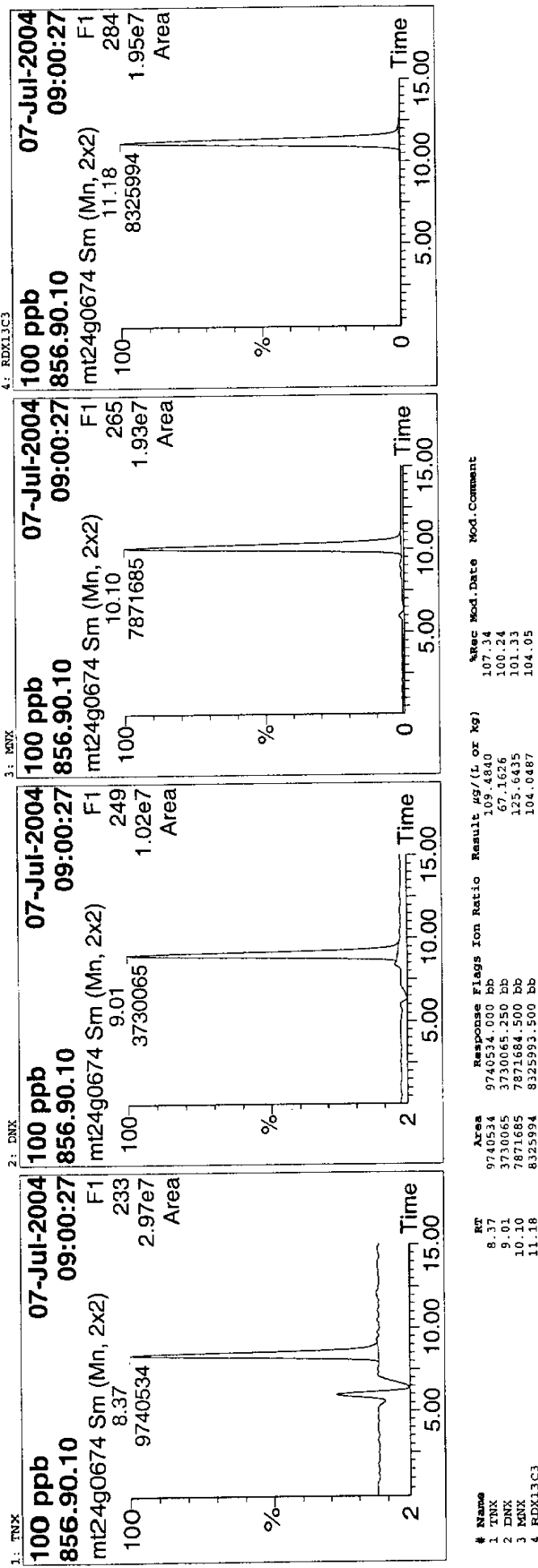
Analyst: Steve Cowling

Quantify Sample Report
RX Degradates Analysis

Sample List: C:\Masslynx\muntxn.PRO\SampledB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\muntxn.PRO\MethodB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0674
Test: 100 ppb



Analyst: Steve Cowling

**LC/MS SEMIVOLATILE
SAMPLE DATA**

Quantify Compound Summary Report

RDX Degradates Analysis

Sample List: C:\Masslyn\mstmx.PRO\SampleDB\mt24g06(2)
 Last modified: Wed Jul 07 12:03:27 2004
 Method: C:\Masslyn\mstmx.PRO\MethodDB\mt24F06
 Last modified: Tue Jul 06 16:18:34 2004
 Job Code:

Printed: Wed Jul 07 12:04:45 2004

Compound 1: TMY Sample List: mt24g06(2) Method File: mt24F06
 Coefficient of Determination: 0.999947
 Calibration curve: $-1.84373 \times x^2 + 88043.5 \times x + 123273$
 Response type: External Std, Area
 Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std µg/L	RT	Area	Ion Ratio	Flags	Result µg/(L or kg)	Area	Vs (L or kg)	DF	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank	10.20	8.41	1041796		bb	10.4349	102.3	1.000	1.000	1.0	mt24F06
2 mt24g0644	856.90.7	10 ppb	Standard	25.60	8.41	2271455		bb	24.4343	96.4	1.000	1.000	1.0	mt24F06
3 mt24g0645	856.90.8	25 ppb	Standard	51.30	8.37	4756638		bb	52.6840	102.7	1.000	1.000	1.0	mt24F06
4 mt24g0646	856.90.9	50 ppb	Standard	102.00	8.37	9045217		bb	101.5516	99.6	1.000	1.000	1.0	mt24F06
5 mt24g0647	856.90.10	100 ppb	Standard	204.00	8.37	18004340		bb	203.9847	100.0	1.000	1.000	1.0	mt24F06
6 mt24g0648	856.90.11	200 ppb	Standard	306.00	8.37	26894616		bb	306.0307	100.0	1.000	1.000	1.0	mt24F06
7 mt24g0649	856.90.12	300 ppb	Standard	306.00	8.37	26894616		bb	306.0307	100.0	1.000	1.000	1.0	mt24F06
8 mt24g0650	856.90.6	Blank	Blank	102.00	8.05	65543		bb	0.0000	102.5	1.000	1.000	1.0	mt24F06
9 mt24g0651	856.90.10	100 ppb	QC	102.00	8.41	9311236		bb	104.5861	53.4	0.005	1.000	1.0	mt24F06
10 mt24g0652	CHV341AA	R4F090000-109 MB	Blank	100.00	8.33	8218		bb	0.0000	53.4	0.005	1.000	1.0	mt24F06
11 mt24g0653	CHV341AA	R4F090000-109 LCS	QC	100.00	8.41	4815855		bb	0.2668	53.4	0.005	1.000	1.0	mt24F06
12 mt24g0654	CHNJ01AA	D4F040396-1	Analyte							0.005	0.005	1.063	1.0	mt24F06
13 mt24g0655	CHNJ01AA	D4F040396-3	Analyte							0.005	0.005	1.054	1.0	mt24F06
14 mt24g0656	CHNJ01AA	D4F040398-4	Analyte							0.005	0.005	1.066	1.0	mt24F06
15 mt24g0657	CHPG31AA	D4F050141-1	Analyte					bb	0.0000	0.0000	0.005	1.063	1.0	mt24F06
16 mt24g0658	GHPH1AA	D4F050141-2	Analyte					bb	0.0000	0.0000	0.005	1.062	1.0	mt24F06
17 mt24g0659	GHPH1AA	D4F050141-3	Analyte					bb	211.0938	103.5	1.000	1.000	1.0	mt24F06
18 mt24g0670	856.90.11	200 ppb	QC	204.00	8.37	18626554		bb	211.0938	103.5	1.000	1.000	1.0	mt24F06
19 mt24g0671	GHPH1AA	D4F050141-4	Analyte					bb	0.0000	0.0000	0.005	1.062	1.0	mt24F06
20 mt24g0672	GHPH1AD	D4F050141-4 MS	QC	100.00	8.41	6036339		bb	0.3158	67.3	0.005	1.065	1.0	mt24F06
21 mt24g0673	GHPH1AE	D4F050141-4 MSD	QC	100.00	8.41	5989569		bb	0.3138	65.7	0.005	1.063	1.0	mt24F06
22 mt24g0674	856.90.10	100 ppb	QC	102.00	8.37	9740534		bb	109.4840	107.3	1.000	1.000	1.0	mt24F06

Analyst: Steve Cowling

Quantify Compound Summary Report

RDX Degradates Analysis

Sample list: C:\Masslynx\mmtcx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mmtcx.PRO\MethDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job code:

Printed: Wed Jul 07 12:04:45 2004

Compound 2: DNX Sample list: mt24g06(2) Method file: mt24f06
Coefficient of Determination: 0.999904
Calibration curve: $-16.1748 * x^2 + 56452.1 * x + 11559.7$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std µg/L	RT	Area	Ion Ratio	Flags	Result µg/(L or kg)	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank												
2 mt24g0644	856.90.7	10 ppb	Standard	6.70	9.01	384854		bb	6.6252	98.9	1.000	1.000	1.0	10	mt24f06
3 mt24g0645	856.90.8	25 ppb	Standard	16.80	9.01	972374		bb	17.1038	101.8	1.000	1.000	1.0	10	mt24f06
4 mt24g0646	856.90.9	50 ppb	Standard	33.50	9.01	1885670		bb	33.5202	100.1	1.000	1.000	1.0	10	mt24f06
5 mt24g0647	856.90.10	100 ppb	Standard	67.00	9.01	3670144		bb	66.0590	98.6	1.000	1.000	1.0	10	mt24f06
6 mt24g0648	856.90.11	200 ppb	Standard	134.00	9.01	7350621		bb	135.2460	100.9	1.000	1.000	1.0	10	mt24f06
7 mt24g0649	856.90.12	300 ppb	Standard	201.00	9.01	10677243		bb	200.4453	99.7	1.000	1.000	1.0	10	mt24f06
8 mt24g0650	856.90.6	Blank	Blank												
9 mt24g0661	856.90.10	100 ppb	QC	67.00	9.01	3918170		bb	70.6316	105.4	1.000	1.000	1.0	10	mt24f06
10 mt24g0662	GHV341AA	R4F090000-109 MB	Blank												
11 mt24g0663	GHV341AC	R4F090000-109 LCS	QC	100.00	9.01	2833621		bb	0.2536	50.7	0.005	1.000	1.0	10	mt24f06
12 mt24g0664	GHV341AA	D4F040396-1	Analyte												
13 mt24g0665	GHV341AA	D4F040396-3	Analyte												
14 mt24g0666	GHV341AA	D4F040396-4	Analyte												
15 mt24g0667	GHV341AA	D4F050141-1	Analyte												
16 mt24g0668	GHV341AA	D4F050141-2	Analyte												
17 mt24g0669	GHV341AA	D4F050141-3	Analyte												
18 mt24g0670	856.90.11	200 ppb	QC	134.00	9.01	7951171		bb	146.8196	109.6	1.000	1.000	1.0	10	mt24f06
19 mt24g0671	GHV341AA	D4F050141-4	Analyte												
20 mt24g0672	GHV341AD	D4F050141-4 MS	QC	100.00	9.01	3208479		bb	0.2703	57.6	0.005	1.062	1.0	10	mt24f06
21 mt24g0673	GHV341AE	D4F050141-4 MSD	QC	100.00	9.01	3133040		bb	0.2643	56.2	0.005	1.063	1.0	10	mt24f06
22 mt24g0674	856.90.10	100 ppb	QC	67.00	9.01	3730065		bb	67.1626	100.2	1.000	1.000	1.0	10	mt24f06

Analyst: Steve Cowling

Quantify Compound Summary Report

RDX Degradates Analysis

Sample List: C:\msalynx\mntnx.pro\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\msalynx\mntnx.pro\MethodDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:45 2004

Compound 3: mnx Sample List: mt24g06(2) Method File: mt24f06
Coefficient of Determination: 0.99910
Calibration curve: $-4.43151 \times x^2 + 62711.1 \times x + 62402.1$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	YD	Sample Text	Type	Std $\mu\text{g/L}$	RT	Area	Ion Ratio	Flags	Result $\mu\text{g/(L or kg)}$	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 mt24g0643	85.6.90.6	Blank	Blank												
2 mt24g0644	85.6.90.7	10 Ppb	Standard	12.40	10.10	813177		bb	11.9821	96.6	1.000	1.000	1.0	10	mt24f06
3 mt24g0645	85.6.90.8	25 Ppb	Standard	31.00	10.09	2075054		bb	32.1672	103.8	1.000	1.000	1.0	10	mt24f06
4 mt24g0646	85.6.90.9	50 Ppb	Standard	62.00	10.09	3978124		bb	62.7186	101.2	1.000	1.000	1.0	10	mt24f06
5 mt24g0647	85.6.90.10	100 Ppb	Standard	124.00	10.09	7622350		bb	121.5968	98.1	1.000	1.000	1.0	10	mt24f06
6 mt24g0648	85.6.90.11	200 Ppb	Standard	248.00	10.10	15402193		bb	248.9315	100.4	1.000	1.000	1.0	10	mt24f06
7 mt24g0649	85.6.90.12	300 Ppb	Standard	372.00	10.09	22774404		bb	371.9448	100.0	1.000	1.000	1.0	10	mt24f06
8 mt24g0650	85.6.90.6	Blank	Blank												
9 mt24g0651	85.6.90.10	100 Ppb	QC	124.00	10.09	8101805		bb	129.3803	104.3	1.000	1.000	1.0	10	mt24f06
10 mt24g0652	GHV341AA	R4F090000-109 MB	Blank												
11 mt24g0653	GHV341AC	R4F090000-109 LCS	QC	100.00	10.13	6885448		bb	0.5483	109.7	0.005	1.000	1.0	10	mt24f06
12 mt24g0654	GHNJ01AA	D4F040396-1	Analyte												
13 mt24g0655	GHNJ01BA	D4F040396-3	Analyte												
14 mt24g0656	GHNJ01CA	D4F040396-4	Analyte												
15 mt24g0657	GHNJ01DA	D4F050141-1	Analyte												
16 mt24g0658	GHNP01AA	D4F050141-2	Analyte												
17 mt24g0659	GHNP01AA	D4F050141-3	Analyte												
18 mt24g0670	85.6.90.11	200 Ppb	QC	248.00	10.09	16495608		bb	267.0872	107.7	1.000	1.000	1.0	10	mt24f06
19 mt24g0671	GHPH11AA	D4F050141-4	Analyte												
20 mt24g0672	GHPH11AD	D4F050141-4 MS	QC	100.00	10.13	7270513		bb	0.5441	115.9	0.005	1.065	1.0	10	mt24f06
21 mt24g0673	GHPH11AE	D4F050141-4 MSD	QC	100.00	10.13	7100056		bb	0.5321	113.1	0.005	1.063	1.0	10	mt24f06
22 mt24g0674	85.6.90.10	100 Ppb	QC	124.00	10.10	7871685		bb	125.6435	101.3	1.000	1.000	1.0	10	mt24f06

Analyst: Steve Cowling

Quantify Compound Summary Report

RDX Degradates Analysis

Sample List: C:\Masslynx\mmtxn\PRO\SAMPLEDB\mt24g06(2)
 Last modified: Wed Jul 07 12:03:27 2004
 Method: C:\Masslynx\mmtxn\PRO\METHODS\mt24f06
 Last modified: Tue Jul 06 16:18:34 2004
 Job Code:

Printed: Wed Jul 07 12:04:45 2004

Compound 4: RDX13C3 Sample List: mt24g06(2) Method File: mt24f06

Coefficient of Determination: 0.999952

Calibration curve: $-25.3451 \cdot x^2 + 82600.6 \cdot x + 5898.65$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std µg/L	RT	Area	Ion Ratio	Flags	Result µg/L or kg	%Rec	%RSD	DP	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank	10.00	11.17	7705641		bb	96.0472	96.0	1.000	1.0	10	mt24f06
2 mt24g0644	856.90.7	10 ppb	Standard	25.00	11.18	820704		bb	9.8944	98.9	1.000	1.0	10	mt24f06
3 mt24g0645	856.90.8	25 ppb	Standard	50.00	11.17	2098947		bb	25.5395	102.2	1.000	1.0	10	mt24f06
4 mt24g0646	856.90.9	50 ppb	Standard	100.00	11.21	4037721		bb	49.5649	99.1	1.000	1.0	10	mt24f06
5 mt24g0647	856.90.10	100 ppb	Standard	200.00	11.21	7959627		bb	99.3181	99.3	1.000	1.0	10	mt24f06
6 mt24g0648	856.90.11	200 ppb	Standard	300.00	11.18	15609560		bb	201.3440	100.7	1.000	1.0	10	mt24f06
7 mt24g0649	856.90.12	300 ppb	Standard	300.00	11.17	23460186		bb	299.3349	99.8	1.000	1.0	10	mt24f06
8 mt24g0650	856.90.6	Blank	Blank	100.00	11.17	7960326		bb	99.3271	99.3	1.000	1.0	10	mt24f06
9 mt24g0651	856.90.10	100 ppb	QC	100.00	11.17	830223		bb	105.3972	105.4	1.000	1.0	10	mt24f06
10 mt24g0652	GHV341AA	R4F090000-109 MB	Blank	100.00	11.21	7339888		bb	0.4953	91.1	0.005	1.0	10	mt24f06
11 mt24g0653	GHV341AA	R4F090000-109 LCS	QC	100.00	11.21	7479882		bb	0.4654	91.7	0.005	1.0	10	mt24f06
12 mt24g0654	GHV341AA	D4F040396-1	Analyte	100.00	11.21	7370089		bb	0.4315	85.4	0.005	1.0	10	mt24f06
13 mt24g0655	GHV341AA	D4F040396-3	Analyte	100.00	11.21	7653258		bb	0.4524	97.7	0.005	1.0	10	mt24f06
14 mt24g0656	GHV341AA	D4F040396-4	Analyte	100.00	11.21	7830211		bb	0.4580	89.8	0.005	1.0	10	mt24f06
15 mt24g0657	GHV341AA	D4F050141-1	Analyte	100.00	11.21	7217738		bb	0.4223	95.0	0.005	1.0	10	mt24f06
16 mt24g0658	GHV341AA	D4F050141-2	Analyte	100.00	11.21	7626695		bb	0.4474	108.4	1.000	1.0	10	mt24f06
17 mt24g0659	GHV341AA	200 ppb	QC	200.00	11.17	16725429		bb	216.8419	108.4	1.000	1.0	10	mt24f06
18 mt24g0670	856.90.11	200 ppb	Analyte	100.00	11.21	8016784		bb	0.4711	100.1	0.005	1.0	10	mt24f06
19 mt24g0671	GHV341AA	D4F050141-4	Analyte	100.00	11.21	8051192		bb	0.4718	100.5	0.005	1.0	10	mt24f06
20 mt24g0672	GHV341AA	D4F050141-4 MS	QC	100.00	11.21	7713309		bb	0.4522	96.1	0.005	1.0	10	mt24f06
21 mt24g0673	GHV341AA	D4F050141-4 MSD	QC	100.00	11.21	8325994		bb	104.0487	104.0	1.000	1.0	10	mt24f06
22 mt24g0674	856.90.10	100 ppb	QC	100.00	11.18	8325994		bb						

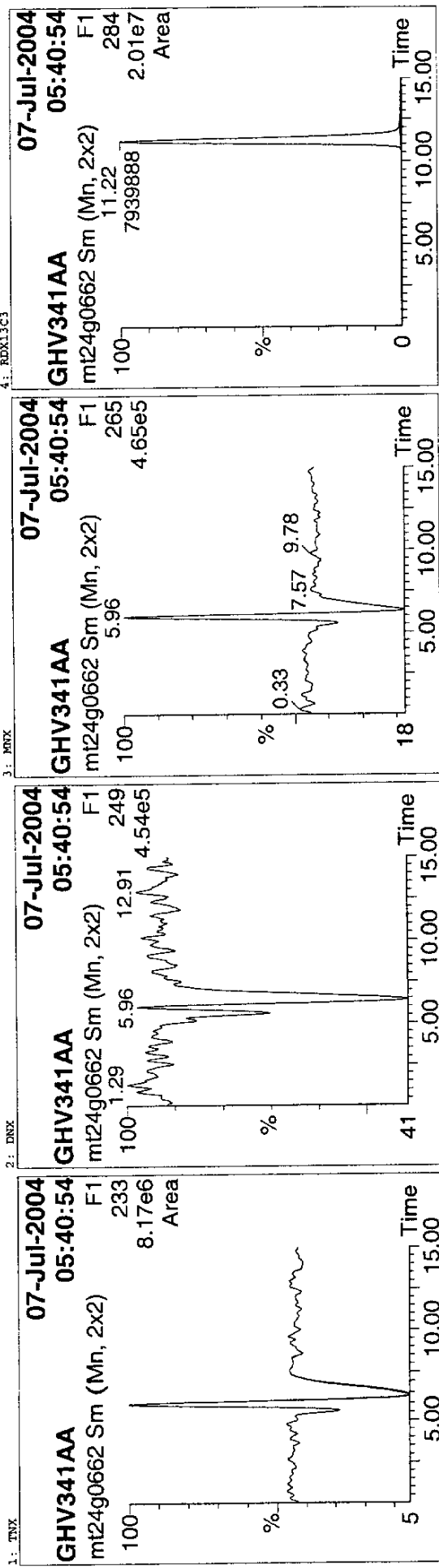
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msd\msd\PRO\SAMPLES\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msd\msd\PRO\METHODS\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0662
Text: R4F090000-109.MB



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1	TNX	8.33	8218	8218.149	bb		0.0000						
2	DNX	11.22	7939888	7939887.500	bb		0.4953						99.06
3	MNX												
4	RDX13C3												

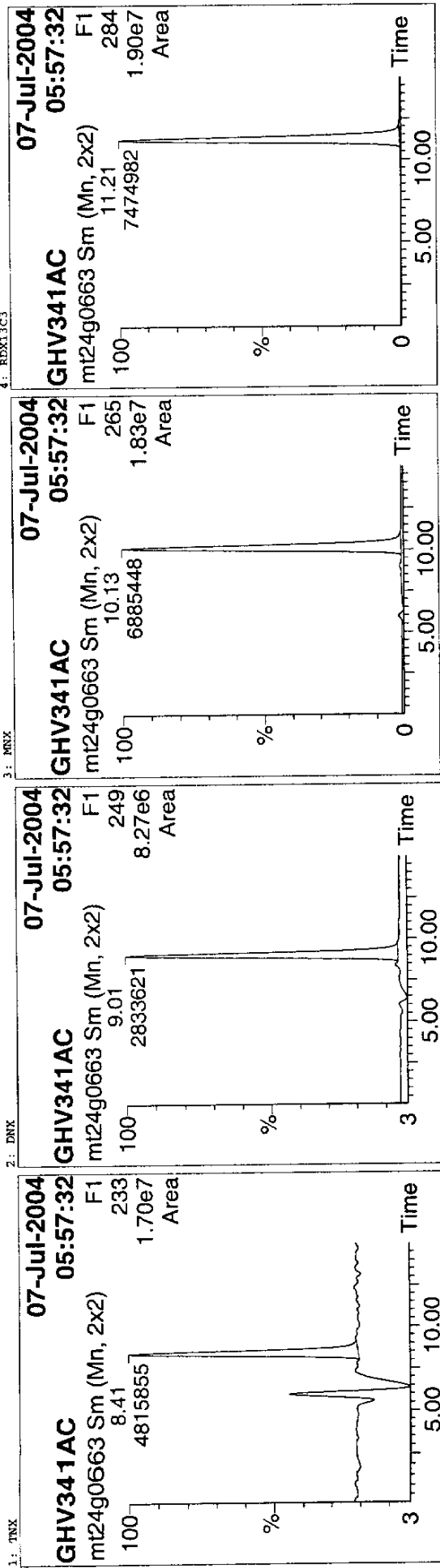
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msmntx.PRO\Samp1eDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msmntx.PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0663
Test: R4F090000-109 LCS



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1	TNX	8.41	4815855	4815854.500	bb		0.2668	0.2668	53.36				
2	DNX	9.01	2833621	2833621.250	bb		0.2536	0.2536	50.73				
3	MNX	10.13	6885448	6885448.000	bb		0.5483	0.5483	109.65				
4	RDX13C3	11.21	7474982	7474981.500	bb		0.4654	0.4654	93.08				

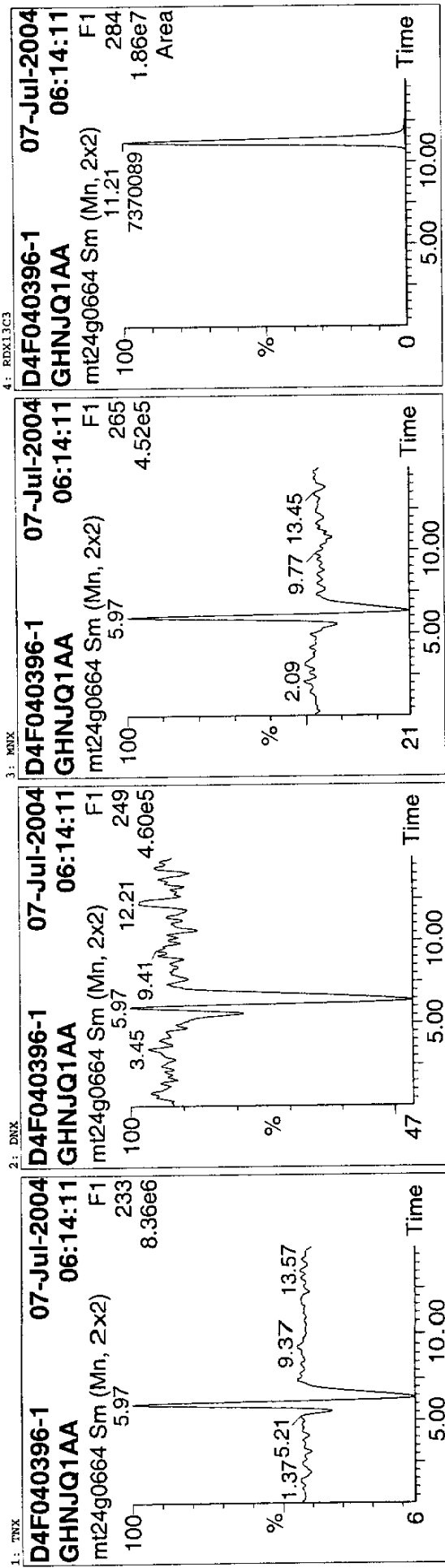
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msl\ntnx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 12:03:27 2004
Method: C:\Masslynx\msl\ntnx.PRO\MethDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0664
Text: D4F040396-1



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	11.21	7370089	7370089.000	bb		0.4315	91.74			
2 DNX										
3 MNX										
4 RDX13C3										

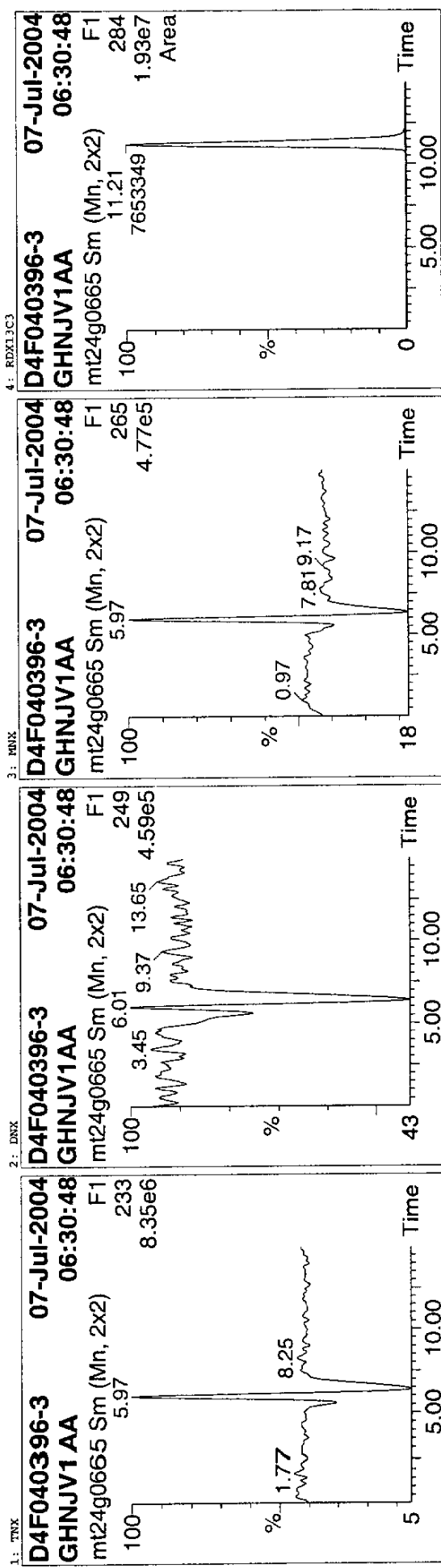
Analyst: Steve Cowling

Quantify Sample Report RDX Degradates Analysis

Sample List: C:\Masslynx\msd\msd\PRO\Samp1\msd\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msd\msd\PRO\MethDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0665
Text: D4F040396-3



# Name	RT	Area	Response	Flags	Ion Ratio	Result	μg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX										
2 DNX										
3 MNX	11.21	7653349	7653349.000	bb		0.4911		95.37		
4 RDX13C3										

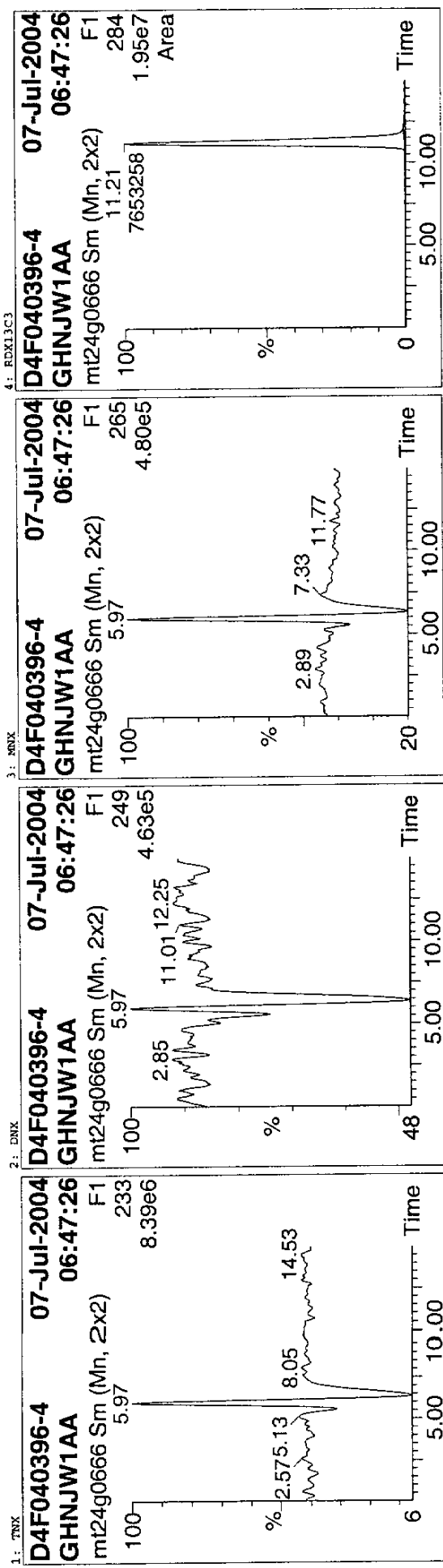
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mrktmx\PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mrktmx\PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0666
Text: D4F040396-4



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TDX										
2 DNX										
3 MNX	11.21	7653258	7653258.000	bb		0.4524		95.37		
4 RDX13C3										

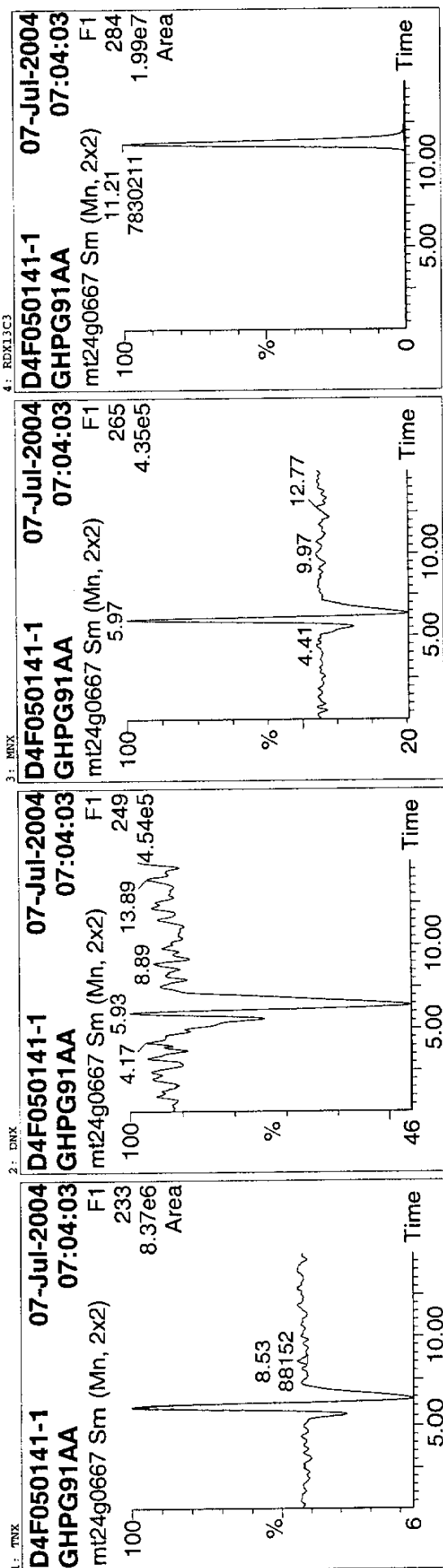
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\bin\ntnx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\bin\ntnx.PRO\Method\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0667
Text: D4F050141-1



# Name	Rt	Area	Response	Flags	Ion Ratio	Result	µg/(l or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	8.53	88152	88152.352	bb			0.0000			
2 DNK										
3 MNX										
4 RDX13C3	11.21	7830211	7830210.500	bb			0.4580		97.65	

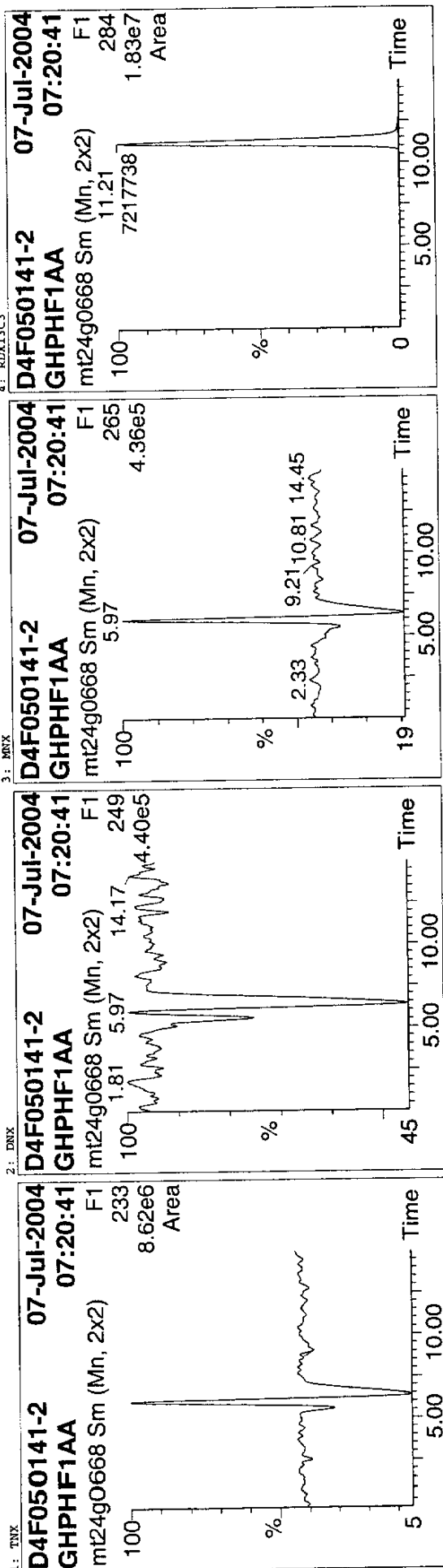
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmtxnk.PRO\Samples\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mmtxnk.PRO\Methdm\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0668
Text: D4F050141-2



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1 TNX	8.77	42643	42642.738	bb			0.0000			
2 DNK										
3 MNX	11.21	7217738	7217737.500	bb			0.4223			
4 RDX13C3								89.78		

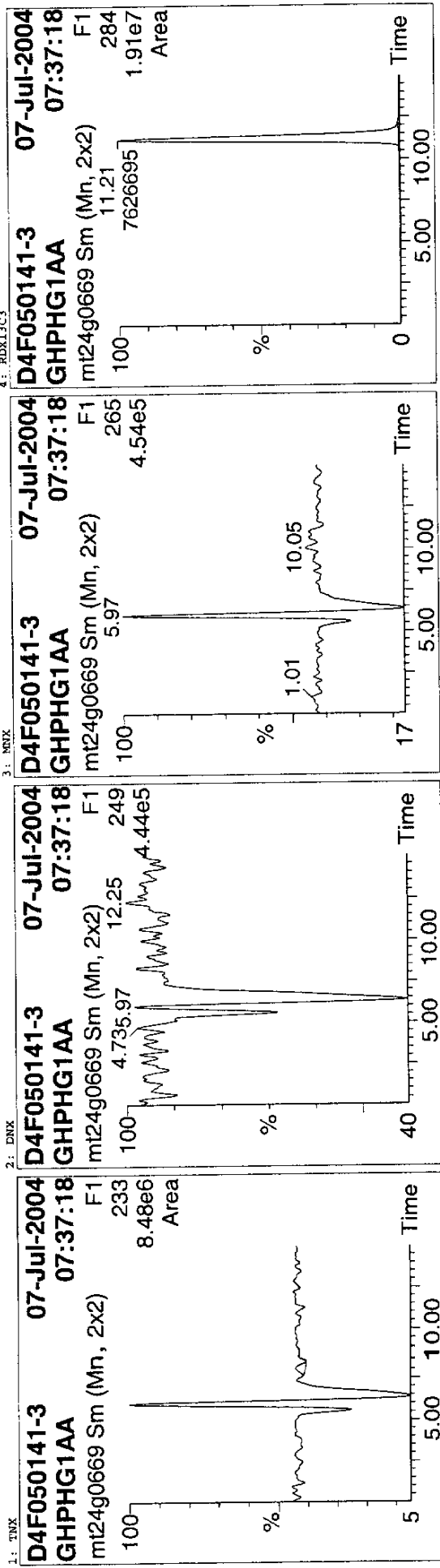
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmstnx.PRO\SampleDB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mmstnx.PRO\MethDB\mt24r06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0669
Test: D4F050141-3



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	Area	Mod.	Comment
1	TNX	8.01	122835	122834.844	bb		0.0000				
2	DNK										
3	MNX										
4	RDX13C3	11.21	7626695	7626694.500	bb		0.4474		95.03		

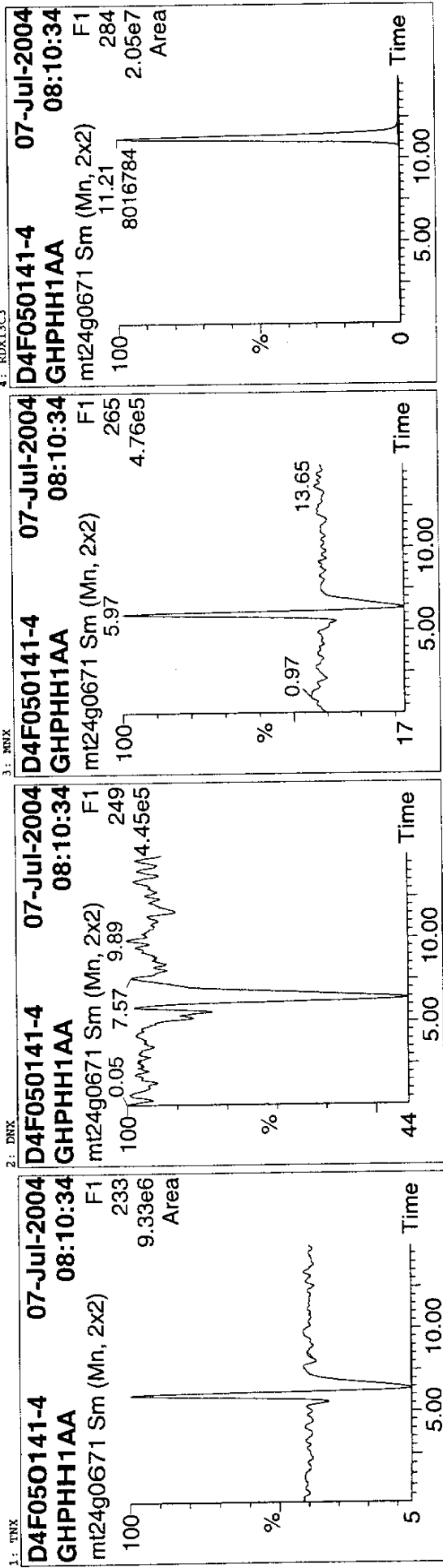
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msmntx.pro\SampleData\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\msmntx.pro\MethData\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0671
Text: D4F050141-4



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1 TNX	8.49	22839	22839.232	DD			0.0000					
2 DNK												
3 MNX	11.21	8016784	8016783.500	bb			0.4711					
4 RDX13C3								100.06				

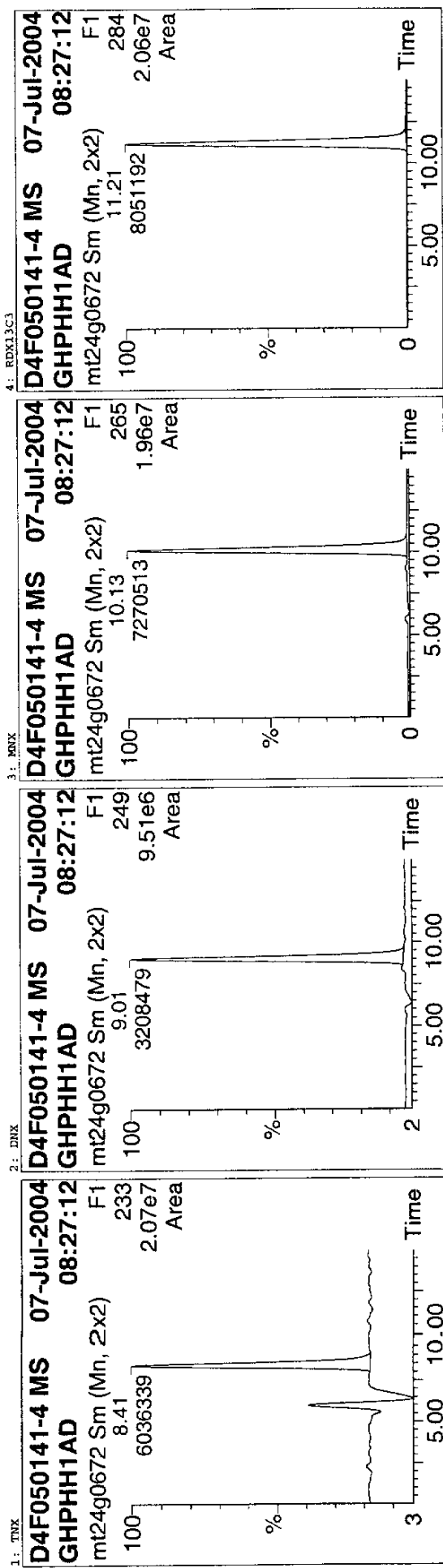
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mrktmx.PRO\SampledB\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\mrktmx.PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0672
Text: D4F050141-4 MS



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1 TNX	8.41	6036339	6036338	500	bb	0.3158	0.3158	67.26				
2 DNK	9.01	3208479	3208478	500	bb	0.2703	0.2703	57.58				
3 MNX	10.13	7270513	7270512	500	bb	0.5441	0.5441	115.89				
4 RDX13C3	11.21	8051192	8051191	500	bb	0.4718	0.4718	100.50				

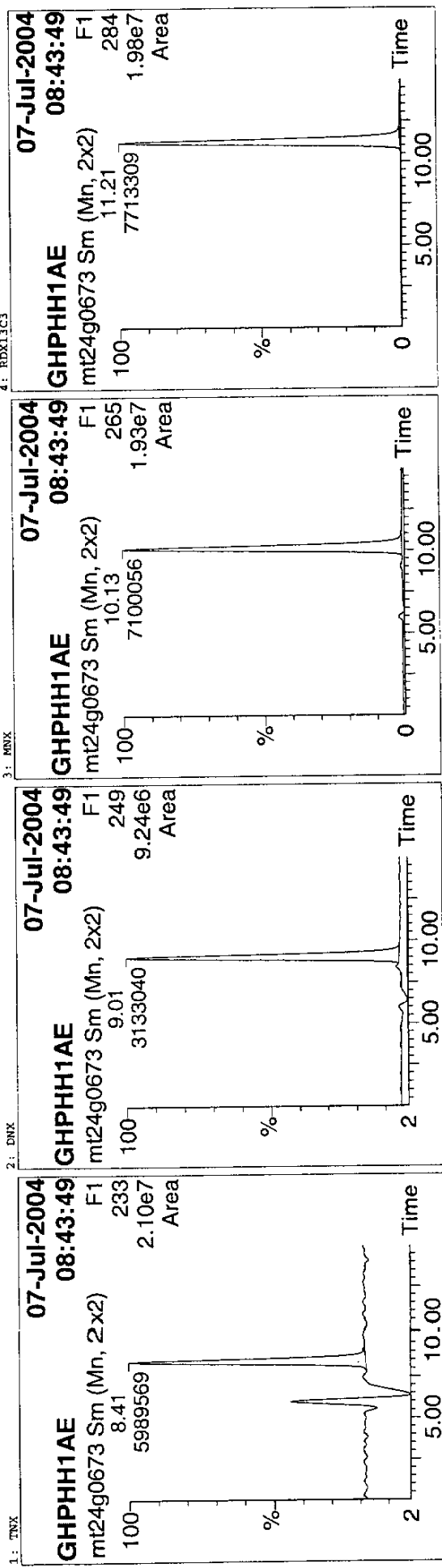
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\bin\msl\mt24g06(2)
Last modified: Wed Jul 07 12:03:27 2004
Method: C:\Masslynx\bin\msl\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:04:48 2004

Name: mt24g0673
Text: DAF050141-4 MSD



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1	TNX	8.41	5989569	5989568.500	bb		0.3138		66.72		
2	DNX	9.01	313040	313040.250	bb		0.2643		56.20		
3	MNX	10.13	7100056	7100056.000	bb		0.5321		113.13		
4	RDX13C3	11.21	7713309	7713309.000	bb		0.4522		96.15		

Analyst: Steve Cowling

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ANALYTICAL REPORT

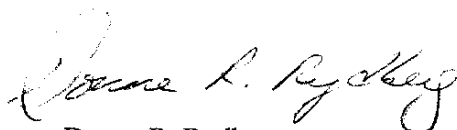
White Rock Canyon Springs HE Profile

Lot #: D4F090309

June Dreith

Techlaw
560 Golden Ridge Road
Suite 130
Golden, CO 80401

STL DENVER



Donna R. Rydberg
Project Manager

July 12, 2004

Case Narrative

Enclosed is the report for seven samples received at STL's Denver laboratory on June 8, 2004. The results included in this report have been reviewed for compliance with STL's Quality Assurance/Quality Control (QA/QC) plan. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interferences or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

The test results shown in this report meet all requirements of NELAC. Any exceptions are noted below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4F090309

Sample Receiving

- The samples presented in this report were received at the laboratory at temperatures of 2.6°C, 3.2°C and 3.0°C. The sample bottle for the RDX Degradates arrived at the laboratory broken for sample Spring 9-6-7-04-NF. Only explosives will be analyzed for this sample. All other sample containers were received in acceptable condition.

Holding Times

- Holding times were met.

Method 8321A – Explosives and NitrosoDegradates

- The Nitroso Degradates analyses for the samples in this report were conducted with standard materials that expired. The client was notified before proceeding with the tests. These materials are not available from our standard vendors. The material requires synthesis and there was not time available to obtain new standards before holding times expired. The client directed the laboratory to run the samples with the expired standards.
- A Matrix Spike (MS) and Matrix Spike Duplicate (MSD) were not requested and the laboratory was unable to perform them due to limited sample volume. The associated LCS and Method Blank samples were within control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4F090309

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>ANALYTICAL METHOD</u>
NO DETECTABLE PARAMETERS				

METHODS SUMMARY

D4F090309

<u>PARAMETER</u>	<u>ANALYTICAL METHOD</u>	<u>PREPARATION METHOD</u>
LCMS by 8321A	SW846 8321A	SW846 3535
Nitroso Degradates of RDX	SW846 8321A	

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

D4F090309

<u>ANALYTICAL METHOD</u>	<u>ANALYST</u>	<u>ANALYST ID</u>
SW846 8321A	Steve Cowling	008738

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

D4F090309

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GHXPX	001	AN-0.5 SPRING-6-7-04-NF	06/07/04	11:25
GHXQD	002	ANCHO DUP-6-7-04	06/07/04	12:30
GHXQE	003	SPRING 6-6-7-04-NF	06/07/04	13:05
GHXQH	004	SPRING 6AAA-6-04-NF	06/07/04	14:20
GHXQL	005	SPRING 9-6-7-04-NF	06/07/04	16:00
GHXQP	006	SPRING 9A-6-7-04-NF	06/07/04	16:25
GHXQR	007	SPRING 9B-6-7-04-NF	06/07/04	17:15

NOTE (S) :

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

Techlaw Inc

Client Sample ID: AN-0.5 SPRING-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-001 Work Order #....: GHXPX1AA Matrix.....: WATER
Date Sampled...: 06/07/04 11:25 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #....: 4162156 Analysis Time...: 10:06
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	103	(30 - 150)

Techlaw Inc

Client Sample ID: AN-0.5 SPRING-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-001 **Work Order #....:** GHXPX1AC **Matrix.....:** WATER
Date Sampled....: 06/07/04 11:25 **Date Received...:** 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...:** 06/15/04
Prep Batch #....: 4162105 **Analysis Time...:** 18:26
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u>		
		<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
<u>SURROGATE</u>	<u>PERCENT</u>	<u>RECOVERY</u>		
	<u>RECOVERY</u>	<u>LIMITS</u>		
Nitrobenzene-d5	93	(44 - 124)		

Techlaw Inc

Client Sample ID: ANCHO DUP-6-7-04

HPLC

Lot-Sample #....: D4F090309-002 Work Order #....: GHXQD1AA Matrix.....: WATER
Date Sampled....: 06/07/04 12:30 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #....: 4162156 Analysis Time...: 10:23
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDY-C13	98	(30 - 150)

Techlaw Inc

Client Sample ID: ANCHO DUP-6-7-04

HPLC

Lot-Sample #....: D4F090309-002 **Work Order #....:** GHXQD1AC **Matrix.....:** WATER
Date Sampled....: 06/07/04 12:30 **Date Received...:** 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...:** 06/15/04
Prep Batch #....: 4162105 **Analysis Time...:** 18:57
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>		
Nitrobenzene-d5	100	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 6-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-003 Work Order #....: GHXQE1AA Matrix.....: WATER
 Date Sampled....: 06/07/04 13:05 Date Received...: 06/09/04
 Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4162156 Analysis Time...: 10:40
 Dilution Factor: 1
 Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	98	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 6-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-003 Work Order #....: GHXQE1AC Matrix.....: WATER
 Date Sampled....: 06/07/04 13:05 Date Received...: 06/09/04
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #....: 4162105 Analysis Time...: 19:29
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS		
Nitrobenzene-d5	90	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 6AAA-6-04-NF

HPLC

Lot-Sample #...: D4F090309-004 Work Order #...: GHXQH1AA Matrix.....: WATER
Date Sampled...: 06/07/04 14:20 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #...: 4162156 Analysis Time...: 10:56
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	97	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 6AAA-6-04-NF

HPLC

Lot-Sample #....: D4F090309-004 Work Order #....: GHXQH1AC Matrix.....: WATER
 Date Sampled....: 06/07/04 14:20 Date Received...: 06/09/04
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #....: 4162105 Analysis Time...: 20:01
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	89	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 9-6-7-04-NF

HPLC

Lot-Sample #...: D4F090309-005 **Work Order #...**: GHXQL1AC **Matrix.....**: WATER
Date Sampled...: 06/07/04 16:00 **Date Received...**: 06/09/04
Prep Date.....: 06/10/04 **Analysis Date...**: 06/15/04
Prep Batch #...: 4162105 **Analysis Time...**: 20:33
Dilution Factor: 1
Method.....: SW846 8321A

		REPORTING		
<u>PARAMETER</u>	<u>RESULT</u>	<u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
		PERCENT	RECOVERY	
<u>SURROGATE</u>	<u>RECOVERY</u>	<u>LIMITS</u>		
Nitrobenzene-d5	92	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 9A-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-006 Work Order #....: GHXQP1AA Matrix.....: WATER
Date Sampled...: 06/07/04 16:25 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #....: 4162156 Analysis Time...: 11:13
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MNX	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	101	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 9A-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-006 Work Order #....: GHXQP1AC Matrix.....: WATER
 Date Sampled....: 06/07/04 16:25 Date Received...: 06/09/04
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #....: 4162105 Analysis Time...: 21:04
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
	PERCENT	RECOVERY		
SURROGATE	RECOVERY	LIMITS		
Nitrobenzene-d5	93	(44 - 124)		

Techlaw Inc

Client Sample ID: SPRING 9B-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-007 Work Order #....: GHXQR1AA Matrix.....: WATER
Date Sampled...: 06/07/04 17:15 Date Received...: 06/09/04
Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
Prep Batch #....: 4162156 Analysis Time...: 11:30
Dilution Factor: 1
Method.....: SW846 8321A

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING</u> <u>LIMIT</u>	<u>UNITS</u>	<u>MDL</u>
MXN	ND	0.10	ug/L	0.028
DNX	ND	0.10	ug/L	0.023
TNX	ND	0.10	ug/L	0.034

<u>SURROGATE</u>	<u>PERCENT</u> <u>RECOVERY</u>	<u>RECOVERY</u> <u>LIMITS</u>
RDX-C13	101	(30 - 150)

Techlaw Inc

Client Sample ID: SPRING 9B-6-7-04-NF

HPLC

Lot-Sample #....: D4F090309-007 Work Order #....: GHXQR1AC Matrix.....: WATER
 Date Sampled...: 06/07/04 17:15 Date Received...: 06/09/04
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #....: 4162105 Analysis Time...: 21:36
 Dilution Factor: 1
 Method.....: SW846 8321A

PARAMETER	RESULT	REPORTING		
		LIMIT	UNITS	MDL
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	0.012
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	0.015
1,3-Dinitrobenzene	ND	0.12	ug/L	0.014
2,4-Dinitrotoluene	ND	0.12	ug/L	0.019
2,6-Dinitrotoluene	ND	0.12	ug/L	0.015
HMX	ND	0.12	ug/L	0.016
Nitrobenzene	ND	0.12	ug/L	0.020
Nitroglycerin	ND	0.12	ug/L	0.039
2-Nitrotoluene	ND	0.12	ug/L	0.023
3-Nitrotoluene	ND	0.12	ug/L	0.019
4-Nitrotoluene	ND	0.12	ug/L	0.018
PETN	ND	0.12	ug/L	0.031
RDX	ND	0.12	ug/L	0.012
Tetryl	ND	0.12	ug/L	0.012
1,3,5-Trinitrobenzene	ND	0.12	ug/L	0.015
2,4,6-Trinitrotoluene	ND	0.12	ug/L	0.015
SURROGATE	PERCENT		RECOVERY	
	RECOVERY		LIMITS	
Nitrobenzene-d5	90		(44 - 124)	

QC DATA ASSOCIATION SUMMARY

D4F090309

Sample Preparation and Analysis Control Numbers

<u>SAMPLE#</u>	<u>MATRIX</u>	<u>ANALYTICAL METHOD</u>	<u>LEACH BATCH #</u>	<u>PREP BATCH #</u>	<u>MS RUN#</u>
001	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
002	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
003	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
004	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
005	WATER	SW846 8321A		4162105	
006	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	
007	WATER	SW846 8321A		4162105	
	WATER	SW846 8321A		4162156	

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F090309
MB Lot-Sample #: R4F100000-105

Work Order #...: GH0451AA

Matrix.....: WATER

Prep Date.....: 06/10/04

Analysis Time...: 16:50

Analysis Date...: 06/15/04

Prep Batch #...: 4162105

Dilution Factor: 1

PARAMETER	RESULT	REPORTING		METHOD
		LIMIT	UNITS	
2-Amino-4,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Amino-2,6-dinitrotoluene	ND	0.12	ug/L	SW846 8321A
1,3-Dinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
2,6-Dinitrotoluene	ND	0.12	ug/L	SW846 8321A
HMX	ND	0.12	ug/L	SW846 8321A
Nitrobenzene	ND	0.12	ug/L	SW846 8321A
Nitroglycerin	ND	0.12	ug/L	SW846 8321A
2-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
3-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
4-Nitrotoluene	ND	0.12	ug/L	SW846 8321A
PETN	ND	0.12	ug/L	SW846 8321A
RDX	ND	0.12	ug/L	SW846 8321A
Tetryl	ND	0.12	ug/L	SW846 8321A
1,3,5-Trinitrobenzene	ND	0.12	ug/L	SW846 8321A
2,4,6-Trinitrotoluene	ND	0.12	ug/L	SW846 8321A

SURROGATE	PERCENT	RECOVERY
	RECOVERY	LIMITS
Nitrobenzene-d5	93	(44 - 124)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F090309 Work Order #...: GH0451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #...: 4162105 Analysis Time...: 17:22
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
2-Amino-4,6- dinitrotoluene	96	(69 - 131)			SW846 8321A
	99	(69 - 131)	3.4	(0-40)	SW846 8321A
4-Amino-2,6- dinitrotoluene	91	(69 - 128)			SW846 8321A
	98	(69 - 128)	7.6	(0-40)	SW846 8321A
1,3-Dinitrobenzene	94	(70 - 127)			SW846 8321A
	99	(70 - 127)	5.2	(0-40)	SW846 8321A
2,4-Dinitrotoluene	104	(65 - 129)			SW846 8321A
	103	(65 - 129)	0.93	(0-40)	SW846 8321A
2,6-Dinitrotoluene	95	(66 - 128)			SW846 8321A
	98	(66 - 128)	3.9	(0-40)	SW846 8321A
HMX	107	(53 - 169)			SW846 8321A
	104	(53 - 169)	2.3	(0-40)	SW846 8321A
Nitrobenzene	97	(27 - 120)			SW846 8321A
	98	(27 - 120)	1.4	(0-40)	SW846 8321A
Nitroglycerin	84	(43 - 154)			SW846 8321A
	106	(43 - 154)	23	(0-40)	SW846 8321A
2-Nitrotoluene	91	(17 - 105)			SW846 8321A
	88	(17 - 105)	3.1	(0-40)	SW846 8321A
3-Nitrotoluene	90	(23 - 105)			SW846 8321A
	87	(23 - 105)	4.2	(0-40)	SW846 8321A
4-Nitrotoluene	91	(26 - 114)			SW846 8321A
	88	(26 - 114)	3.3	(0-40)	SW846 8321A
PETN	80	(34 - 173)			SW846 8321A
	86	(34 - 173)	6.8	(0-40)	SW846 8321A
RDX	102	(62 - 127)			SW846 8321A
	106	(62 - 127)	4.0	(0-40)	SW846 8321A
Tetryl	96	(40 - 152)			SW846 8321A
	98	(40 - 152)	2.0	(0-40)	SW846 8321A
1,3,5-Trinitrobenzene	94	(64 - 137)			SW846 8321A
	99	(64 - 137)	5.0	(0-40)	SW846 8321A
2,4,6-Trinitrotoluene	88	(43 - 133)			SW846 8321A
	90	(43 - 133)	2.0	(0-40)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	90	(39 - 114)
	92	(39 - 114)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F090309 **Work Order #...**: GH0451AC-LCS **Matrix.....**: WATER
LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F090309 Work Order #....: GH0451AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 06/15/04
 Prep Batch #....: 4162105 Analysis Time...: 17:22
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
2-Amino-4,6-dinitrotoluene	0.500	0.479	ug/L	96		SW846 8321A
	0.500	0.496	ug/L	99	3.4	SW846 8321A
4-Amino-2,6-dinitrotoluene	0.500	0.454	ug/L	91		SW846 8321A
	0.500	0.489	ug/L	98	7.6	SW846 8321A
1,3-Dinitrobenzene	0.500	0.470	ug/L	94		SW846 8321A
	0.500	0.496	ug/L	99	5.2	SW846 8321A
2,4-Dinitrotoluene	0.500	0.522	ug/L	104		SW846 8321A
	0.500	0.517	ug/L	103	0.93	SW846 8321A
2,6-Dinitrotoluene	0.500	0.473	ug/L	95		SW846 8321A
	0.500	0.492	ug/L	98	3.9	SW846 8321A
HMX	0.500	0.534	ug/L	107		SW846 8321A
	0.500	0.521	ug/L	104	2.3	SW846 8321A
Nitrobenzene	0.500	0.485	ug/L	97		SW846 8321A
	0.500	0.492	ug/L	98	1.4	SW846 8321A
Nitroglycerin	0.500	0.419	ug/L	84		SW846 8321A
	0.500	0.528	ug/L	106	23	SW846 8321A
2-Nitrotoluene	0.500	0.455	ug/L	91		SW846 8321A
	0.500	0.441	ug/L	88	3.1	SW846 8321A
3-Nitrotoluene	0.500	0.452	ug/L	90		SW846 8321A
	0.500	0.433	ug/L	87	4.2	SW846 8321A
4-Nitrotoluene	0.500	0.456	ug/L	91		SW846 8321A
	0.500	0.441	ug/L	88	3.3	SW846 8321A
PIETN	0.500	0.400	ug/L	80		SW846 8321A
	0.500	0.428	ug/L	86	6.8	SW846 8321A
RDX	0.500	0.510	ug/L	102		SW846 8321A
	0.500	0.531	ug/L	106	4.0	SW846 8321A
Tetryl	0.500	0.482	ug/L	96		SW846 8321A
	0.500	0.492	ug/L	98	2.0	SW846 8321A
1,3,5-Trinitrobenzene	0.500	0.471	ug/L	94		SW846 8321A
	0.500	0.495	ug/L	99	5.0	SW846 8321A
2,4,6-Trinitrotoluene	0.500	0.439	ug/L	88		SW846 8321A
	0.500	0.448	ug/L	90	2.0	SW846 8321A
SURROGATE			PERCENT RECOVERY	RECOVERY LIMITS		
Nitrobenzene-d5			90	(39 - 114)		
			92	(39 - 114)		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #...: D4F090309 **Work Order #...**: GH0451AC-LCS **Matrix.....**: WATER
LCS Lot-Sample#: R4F100000-105 GH0451AD-LCSD

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

METHOD BLANK REPORT

HPLC

Client Lot #...: D4F090309 Work Order #...: GH1CT1AA Matrix.....: WATER
 MB Lot-Sample #: R4F100000-156 Prep Date.....: 06/10/04 Analysis Time...: 09:17
 Analysis Date...: 07/07/04 Prep Batch #...: 4162156
 Dilution Factor: 1

<u>PARAMETER</u>	<u>RESULT</u>	<u>REPORTING LIMIT</u>	<u>UNITS</u>	<u>METHOD</u>
MNX	ND	0.10	ug/L	SW846 8321A
DNX	ND	0.10	ug/L	SW846 8321A
TNX	ND	0.10	ug/L	SW846 8321A

<u>SURROGATE</u>	<u>PERCENT RECOVERY</u>	<u>RECOVERY LIMITS</u>
RDX-C13	100	(30 - 150)

NOTE (S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

HPLC

Client Lot #...: D4F090309 Work Order #...: GH1CT1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-156 GH1CT1AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
 Prep Batch #...: 4162156 Analysis Time...: 09:33
 Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
MNX	118	(35 - 135)			SW846 8321A
	121	(35 - 135)	2.4	(0-30)	SW846 8321A
DNX	52	(35 - 135)			SW846 8321A
	53	(35 - 135)	1.9	(0-30)	SW846 8321A
TNX	49	(35 - 135)			SW846 8321A
	52	(35 - 135)	6.5	(0-30)	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	98	(30 - 150)
	99	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

HPLC

Client Lot #....: D4F090309 Work Order #....: GH1CT1AC-LCS Matrix.....: WATER
 LCS Lot-Sample#: R4F100000-156 GH1CT1AD-LCSD
 Prep Date.....: 06/10/04 Analysis Date...: 07/07/04
 Prep Batch #....: 4162156 Analysis Time...: 09:33
 Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
MX	0.500	0.590	ug/L	118		SW846 8321A
	0.500	0.605	ug/L	121	2.4	SW846 8321A
DNX	0.500	0.260	ug/L	52		SW846 8321A
	0.500	0.264	ug/L	53	1.9	SW846 8321A
TNX	0.500	0.244	ug/L	49		SW846 8321A
	0.500	0.261	ug/L	52	6.5	SW846 8321A

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
RDX-C13	98	(30 - 150)
	99	(30 - 150)

NOTE(S) :

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

3-20
3-0

Laboratory Used: Severn Trent Laboratories, Inc. Chain of Custody Date: 6-8-2004 Page: 1 of 1

STL Project Manager: Donna Rydberg

Laboratory Address:
STL Denver
4955 Yarrow Street
Arvada, CO 80002
(303) 738-0100 Fax (303) 431-7171 Direct (303) 738-0192

Authorized by: Attn: June Dreith

CLIENT:
ADDRESS: 560 Golden Ridge Road, Suite 130
CITY: Golden, STATE: Colorado, ZIP: 80401
(303) 763-7188 Fax (303) 763-4869

SAMPLE ID	DATE	TIME	MATRIX	LAB ID	HE (LC/MS/MS) Line Item 70a NF/NA	RDX Degradates Line Item 70a NF/NA	NUMBER OF CONTAINERS
An-0.5 Spring-6-7-04-NF	6/7/2004	11:25	H2O		X	X	2
Ancho Dup-6-7-04-NF	6/7/2004	12:30	H2O		X	X	2
Spring 6-6-7-04-NF	6/7/2004	13:05	H2O		X	X	2
Spring 6AAA-6-4-04-NF	6/7/2004	14:20	H2O		X	X	2
Spring 9-6-7-04-NF	6/7/2004	16:00	H2O		X	X	2
Spring 9A-6-7-04-NF	6/7/2004	16:25	H2O		X	X	2
Spring 9B-6-7-04-NF	6/7/2004	17:15	H2O		X	X	2

PROJECT INFORMATION	SAMPLE RECEIPT	SAMPLES SENT TO:	RELINQUISHED BY:	RELINQUISHED BY:
PROJECT: HE 06110.220 PROJ. NAME: White Rock Canyon Sprints HE Profile	Total Number of Containers Chain of Custody Seals Received Intact? Received Good Cont./Cold		Signature: <i>June Dreith</i> Printed Name: Kim Grantzow Date: 6-8-04	Signature: <i>June Dreith</i> Printed Name: Kim Grantzow Date: 6-8-04
QC LEVEL: STD IV QC REQUIRED: MS MSD BLANK TAT: STANDARD	LAB NUMBER:		RECEIVED BY: Signature: Printed Name: Date:	RECEIVED BY: Signature: Printed Name: Date:
Donna, please bill to: June Dreith, 560 Golden Ridge Road, Suite 130, Golden, Colorado, 80401 Phone 303-763-7188, Fax 303-763-4869. Thanks!				
DUE DATE:	RUSH SURCHARGE:	CLIENT DISCOUNT:	SPECIAL CERTIFICATION	REQUIRED: YES NO

LC/MS

Supporting Documentation

Sample Sequence, Quant Reports,
Chromatograms



STL

Lot ID: D4F090309

Client: Techlaw Inc.

Method: 8321A explosives

Associated Samples: 1-7

Batch #(s): 4162105

*I certify that, to the best of my knowledge, the attached package
represents a complete and accurate copy of the original data.*

Signature/Date: Mark Dymond - 6/23/04

**LC/MS SEMIVOLATILE
ORGANIC EXTRACTION
LOG SHEETS**

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/10/04
Time: 13:29:01

* QC BATCH: 4162105 *
* PREP DATE: 6/10/04 7:30 *
* COMP DATE: 6/10/04 11:15 *

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH'S INIT	SOLVENTS		VOL	SPIKE STANDARD/ SURROGATE ID	
									ADJ1	ADJ2			
6/14/04 COMMENTS:	0/00/00	R4F100000-105		B7	BX	WATER	1000mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.48.12 5-24-04
		GH045-1-AAB											
6/14/04 COMMENTS:	0/00/00	R4F100000-105		B7	BX	WATER	1000mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 856.48.12 5-24-04
		GH045-1-ACC											
6/14/04 COMMENTS:	0/00/00	R4F100000-105	R	B7	BX	WATER	1000mL 5.00mL	NA	NA	ACN	2.5	.0	1ML 856.26.9 4-30-04 1ML 856.48.12 5-24-04
		GH045-1-ADL											

DEN-LC-0010 H2O: MILLI-Q/A02E01 ACN: Y44815 S/S: HD
CARTRIDGES: S214-18/10940-4

R = RUSH	C = CLP	NUMBER OF WORK ORDERS IN BATCH:
E = EPA 600	D = EXP.DEL)	10
M = CLIENT REQ MS/MSD		

LC/MS SEMIVOLATILE
Instrument Run Log

Masslynx - Sample List

Page 1

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1).SPL
Printed: Wed Jun 16 07:08:56 2004

Page Position: (1, 1)

	File Name	Sample ID	File Text	Sample Type	Analyte µg/L	QC µg/L	Vial	Extract (L)
1	ex24f1501	856.72.1	Blank	Blank	0	50	1	1.000
2	ex24f1502	856.72.2	5 µg/L	Standard	5	5	2	1.000
3	ex24f1503	856.72.3	10 µg/L	Standard	10	10	3	1.000
4	ex24f1504	856.72.4	25 µg/L	Standard	25	25	4	1.000
5	ex24f1505	856.72.5	50 µg/L	Standard	50	50	5	1.000
6	ex24f1506	856.72.6	100 µg/L	Standard	100	100	6	1.000
7	ex24f1507	856.72.7	200 µg/L	Standard	200	200	7	1.000
8	ex24f1508	856.72.8	300 µg/L	Standard	300	300	8	1.000
9	ex24f1509	856.72.1	Blank	Blank	0	50	1	1.000
10	ex24f1510	856.72.9	100 µg/l ICV	QC	100	100	9	1.000
11	ex24f1511	GH0451AA	R4F100000-105 MB	Blank	0	100	10	0.005
12	ex24f1512	GH0451AC	R4F100000-105 LCS	QC	100	100	11	0.005
13	ex24f1513	GH0451AD	R4F100000-105 LCSD	QC	100	100	12	0.005
14	ex24f1514	GHXPX1AC	D4F090309-1	Analyte	0	100	13	0.005
15	ex24f1515	GHXQD1AC	D4F090309-2	Analyte	0	100	14	0.005
16	ex24f1516	GHXQE1AC	D4F090309-3	Analyte	0	100	15	0.005
17	ex24f1517	GHXQH1AC	D4F090309-4	Analyte	0	100	16	0.005
18	ex24f1518	GHXQL1AC	D4F090309-5	Analyte	0	100	17	0.005
19	ex24f1519	GHXQP1AC	D4F090309-6	Analyte	0	100	18	0.005
20	ex24f1520	GHXQR1AC	D4F090309-7	Analyte	0	100	19	0.005
21	ex24f1521	856.72.6	100 µg/L	QC	100	100	6	1.000

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1).SPL
Printed: Wed Jun 16 07:08:56 2004

Page Position: (2, 1)

	Sample (L or kg)	Dilution	µL Injected	MS Tune File	Inlet File	MS File
1	1.000	1.000	50.000	Explosives	Exp2	Explosives
2	1.000	1.000	50.000	Explosives	Exp2	Explosives
3	1.000	1.000	50.000	Explosives	Exp2	Explosives
4	1.000	1.000	50.000	Explosives	Exp2	Explosives
5	1.000	1.000	50.000	Explosives	Exp2	Explosives
6	1.000	1.000	50.000	Explosives	Exp2	Explosives
7	1.000	1.000	50.000	Explosives	Exp2	Explosives
8	1.000	1.000	50.000	Explosives	Exp2	Explosives
9	1.000	1.000	50.000	Explosives	Exp2	Explosives
10	1.000	1.000	50.000	Explosives	Exp2	Explosives
11	1.000	1.000	50.000	Explosives	Exp2	Explosives
12	1.000	1.000	50.000	Explosives	Exp2	Explosives
13	1.000	1.000	50.000	Explosives	Exp2	Explosives
14	1.055	1.000	50.000	Explosives	Exp2	Explosives
15	1.061	1.000	50.000	Explosives	Exp2	Explosives
16	1.057	1.000	50.000	Explosives	Exp2	Explosives
17	1.055	1.000	50.000	Explosives	Exp2	Explosives
18	1.049	1.000	50.000	Explosives	Exp2	Explosives
19	1.059	1.000	50.000	Explosives	Exp2	Explosives
20	1.046	1.000	50.000	Explosives	Exp2	Explosives
21	1.000	1.000	50.000	Explosives	Exp2	Explosives

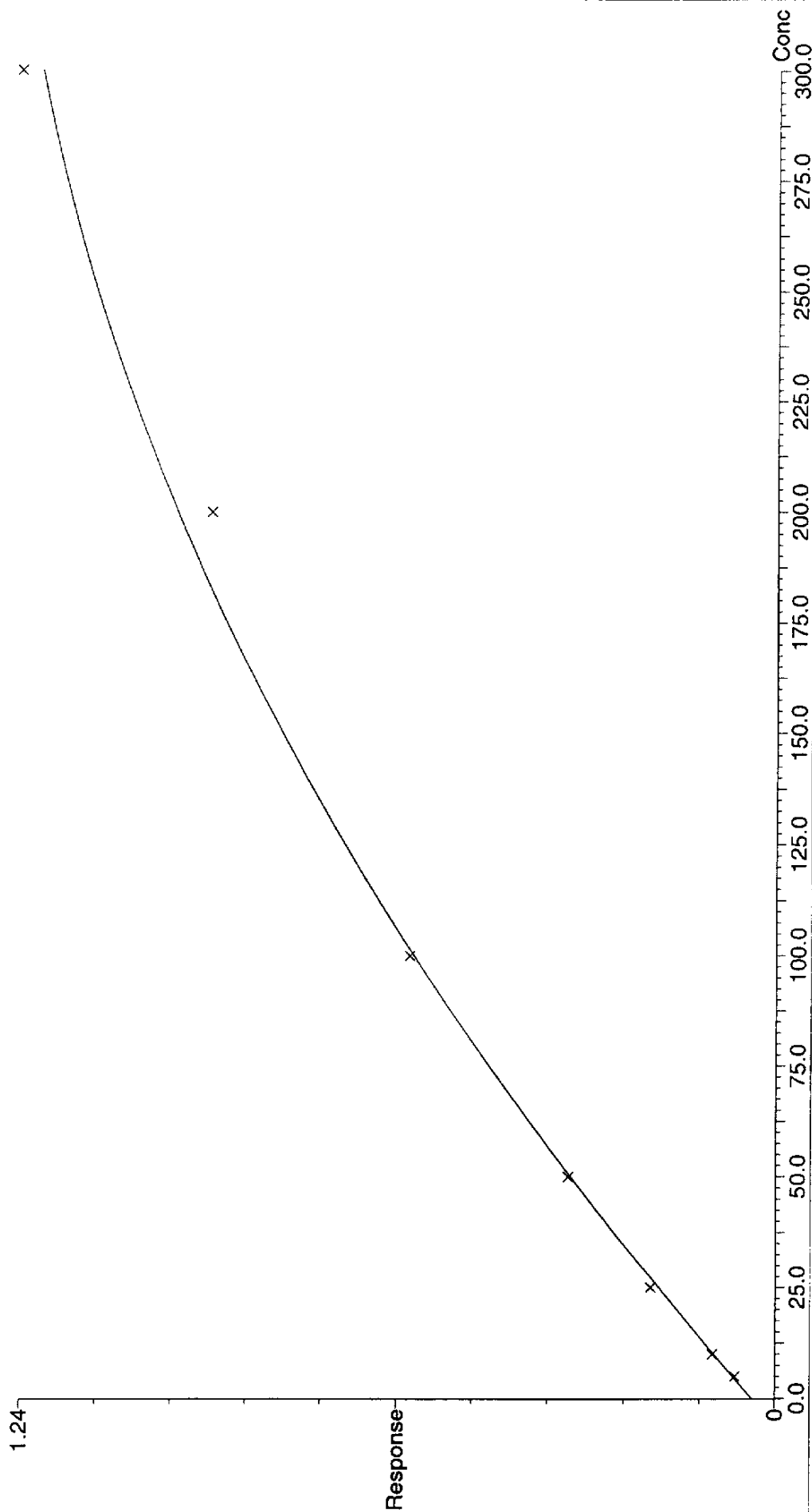
**LC/MS SEMIVOLATILE
STANDARD DATA**

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Nasalyne\Explosives.PRO\CurveDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 1 name: HMX Method File: ex24f15
Coefficient of Determination: 0.996159
Calibration curve: $-8.28340e-6 * x^2 + 0.00639271 * x + 0.0376837$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslyn\Explosives.PRO\CurveDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

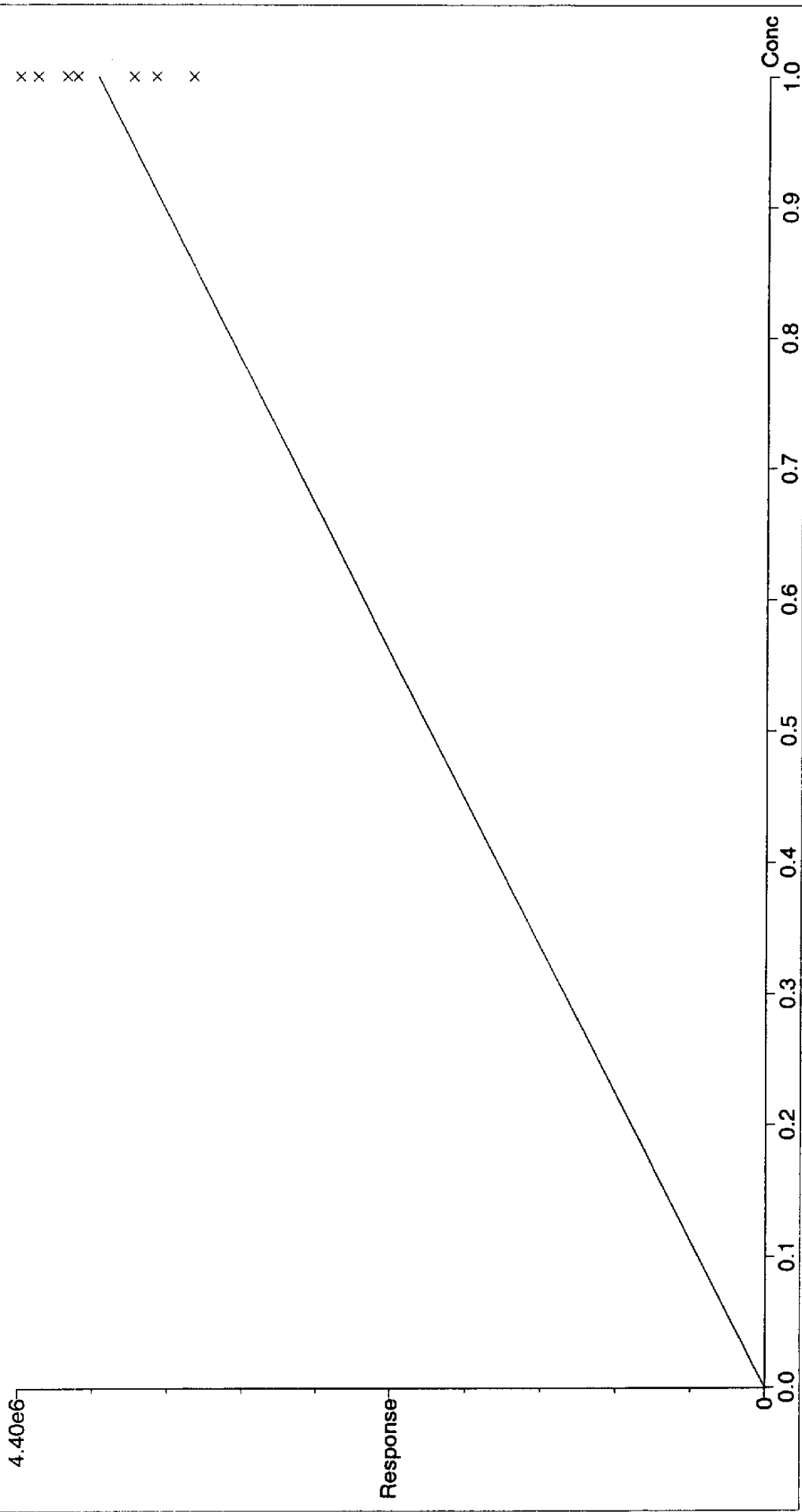
Compound 2 name: RDX 13C-3 284 (IS) Method File: ex24f15

Response Factor: 3.94616e6

RRF SD: 379386, % Relative SD: 9.61405

Response type: External Std, Area

Curve type: RF



Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

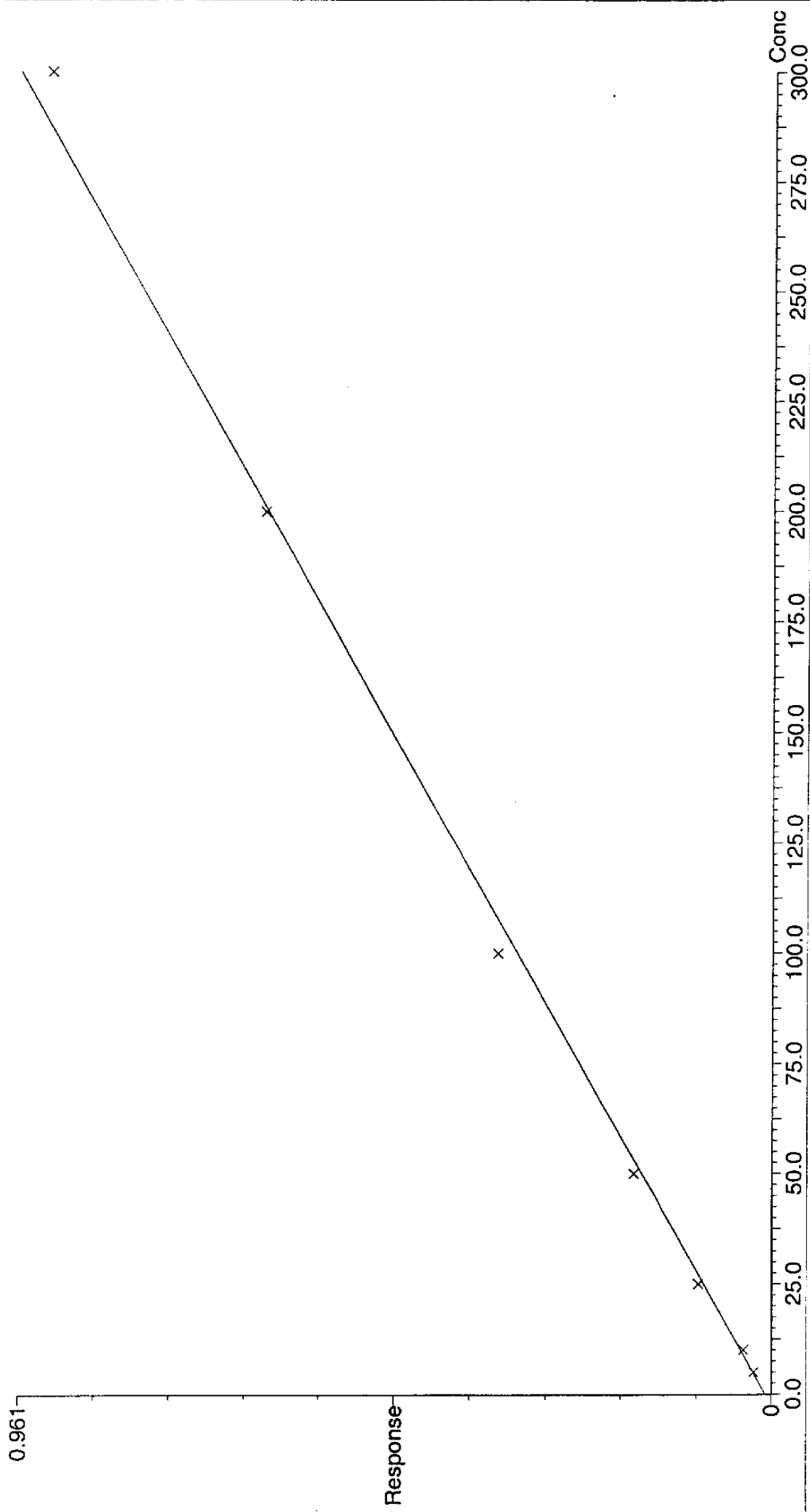
Compound 3 name: RDX Method File: ex24f15

Coefficient of Determination: 0.996602

Calibration curve: $0.00317675 * x + 0.00758356$

Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



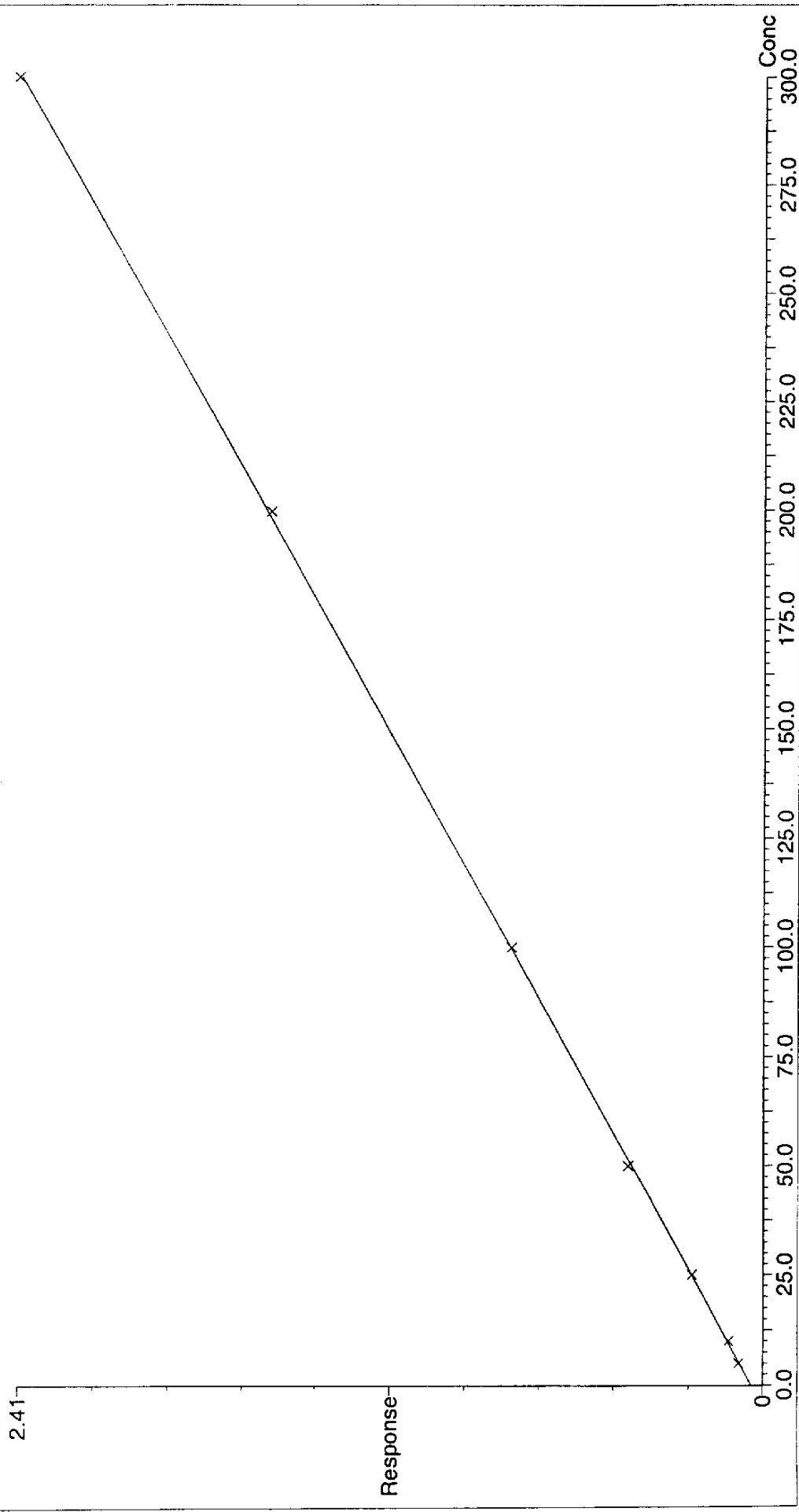
Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Nasalyux\Explosives.PRO\CurvesDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 4 name: 1,3,5-Trinitrobenzene Method File: ex24f15
Coefficient of Determination: 0.999912
Calibration curve: $4.32136e-7 * x^2 + 0.00774539 * x + 0.0367903$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



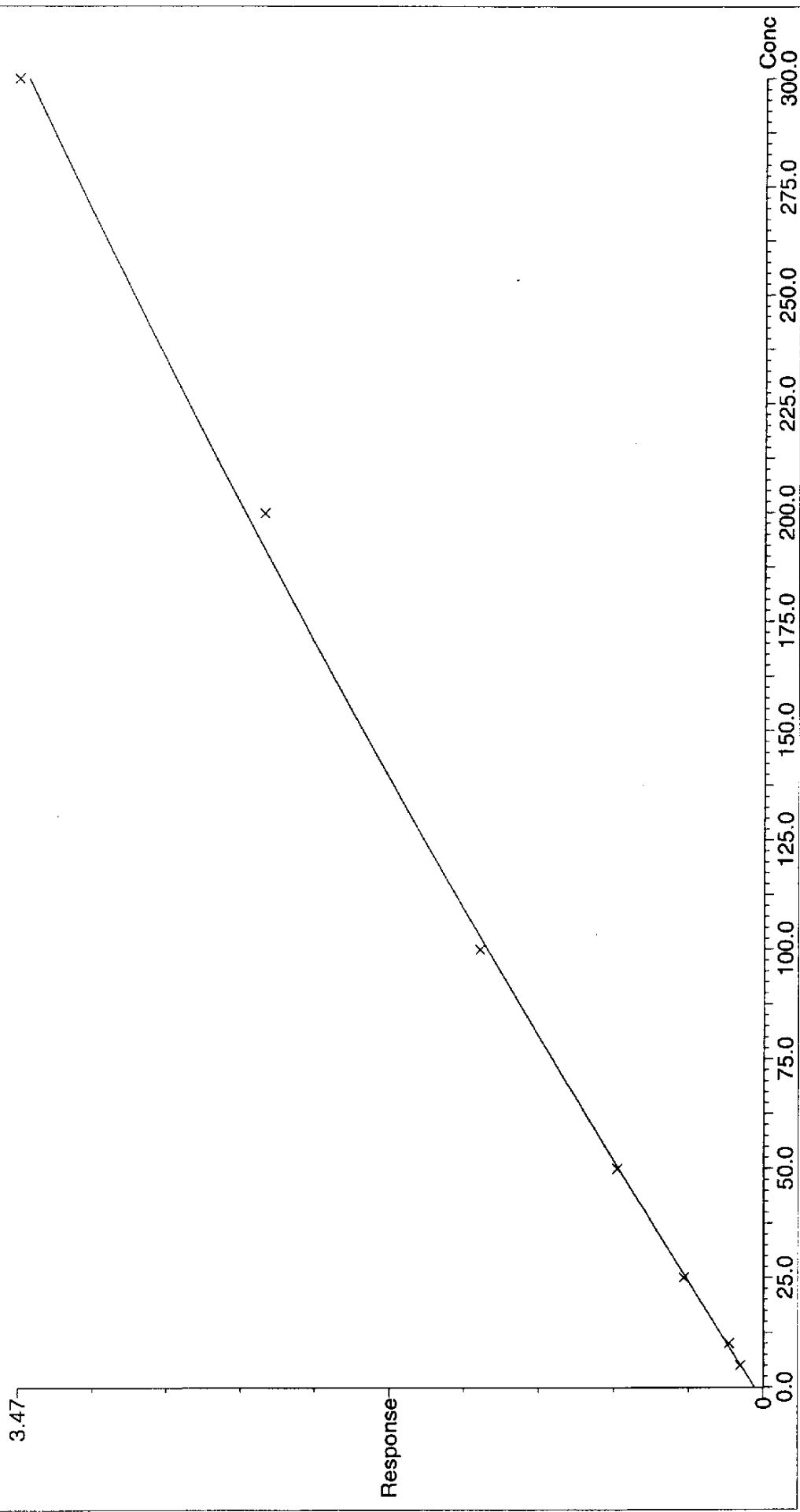
Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Nasalyne\Explosives_PRO\CurvedB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 5 name: Tetryl Method File: ex24f15
Coefficient of Determination: 0.998838
Calibration curve: $-5.69240e-6 * x^2 + 0.0129882 * x + 0.0395970$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



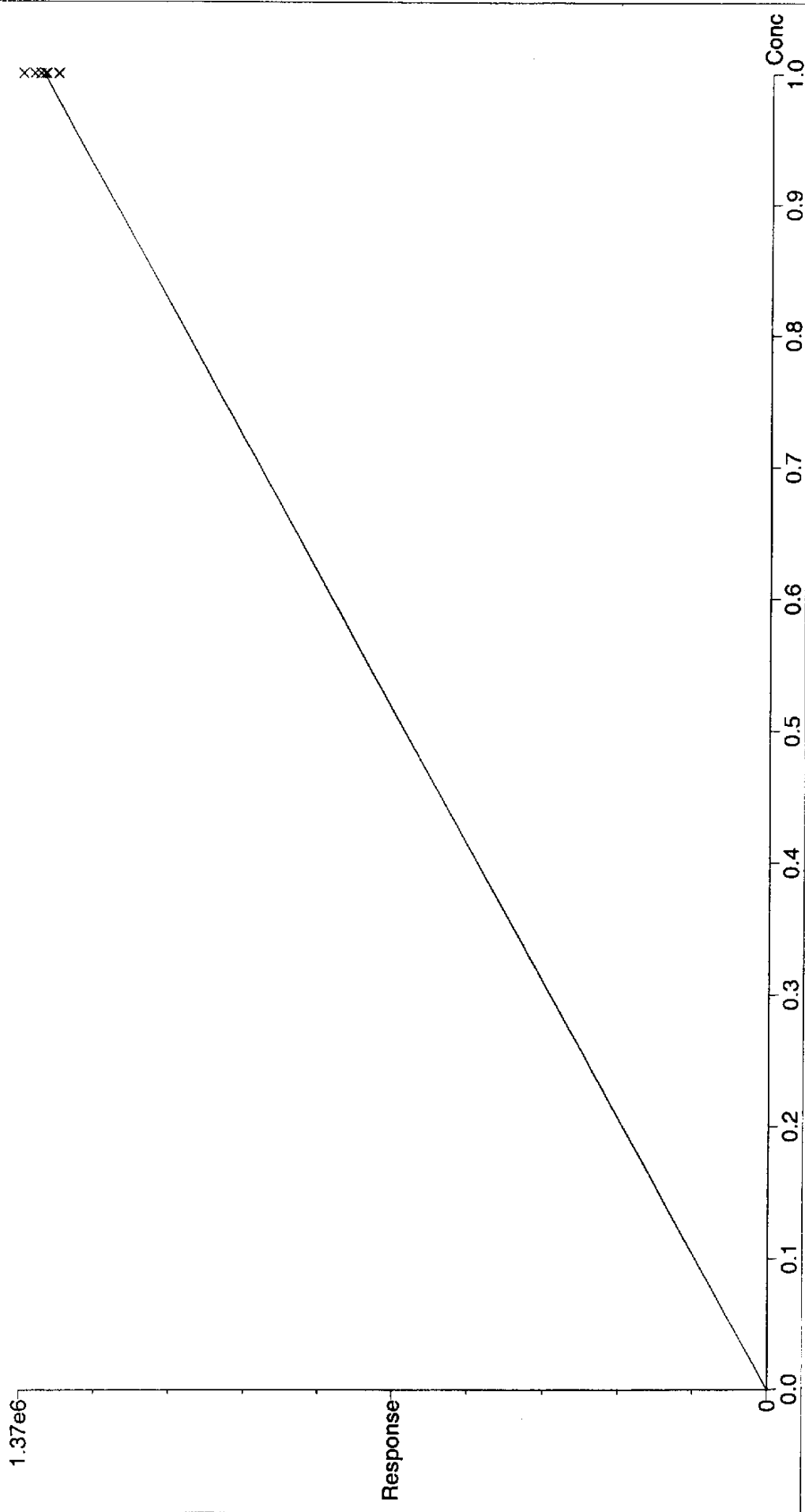
Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Nasslyn\Explosives.PRO\CurvedB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**
Method File: ex24f15

Compound 6 name: Dinitrobenzene-d4 (IS)
Response Factor: 1.33118e6
RRF SD: 23225.5, % Relative SD: 1.74474
Response type: External Std, Area
Curve type: RF

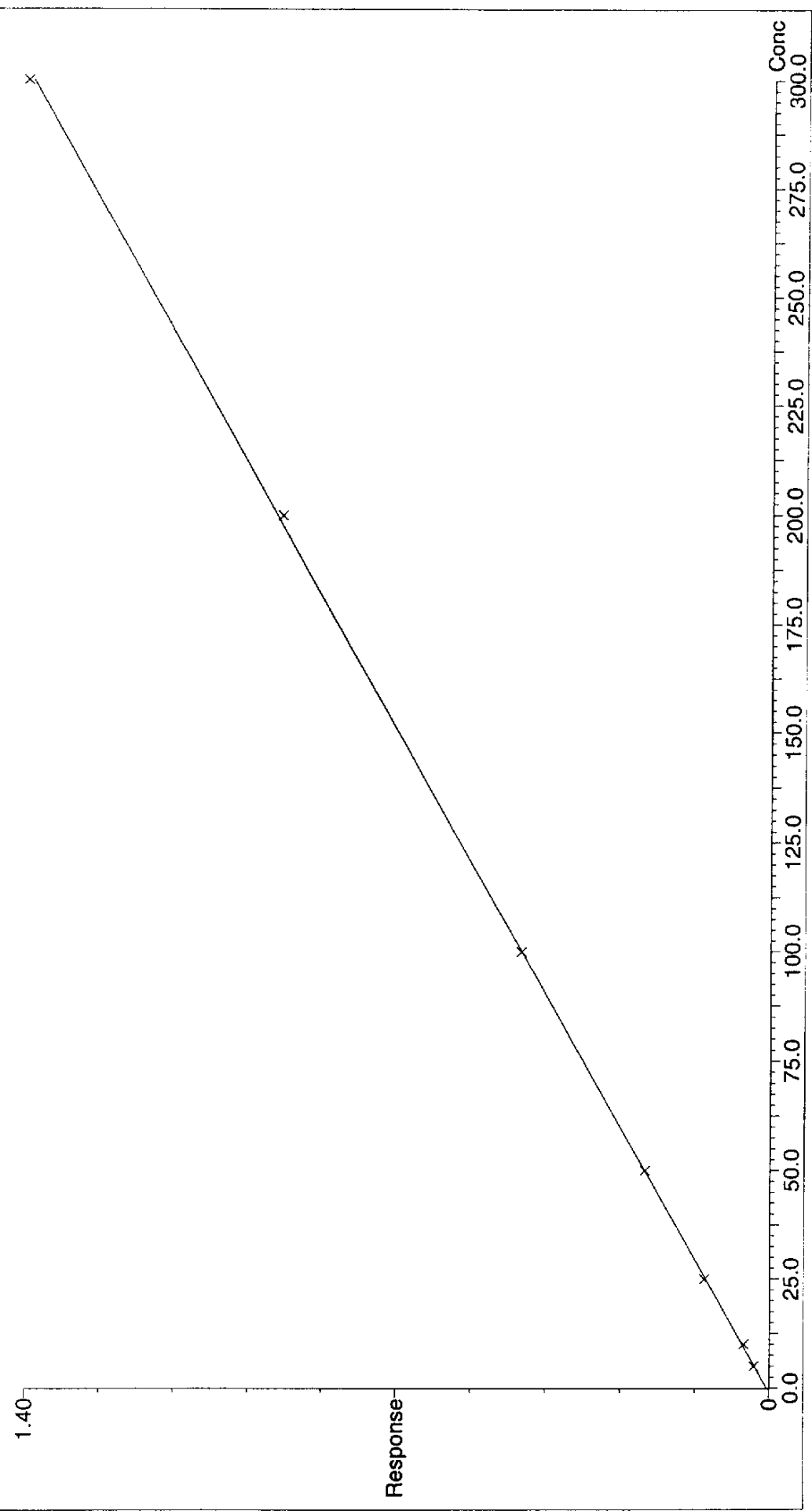


Analyst: Steve Cowling

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 7 name: 1,3-Dinitrobenzene Method File: ex24f15
Coefficient of Determination: 0.999865
Calibration curve: $0.00461321 * x + 0.00447758$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Explosives Analysis

Calibration: C:\Masslynx\Explosives PRO\Curved8\ex24f15

Last modified: Wed Jun 16 07:25:03 2004

Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

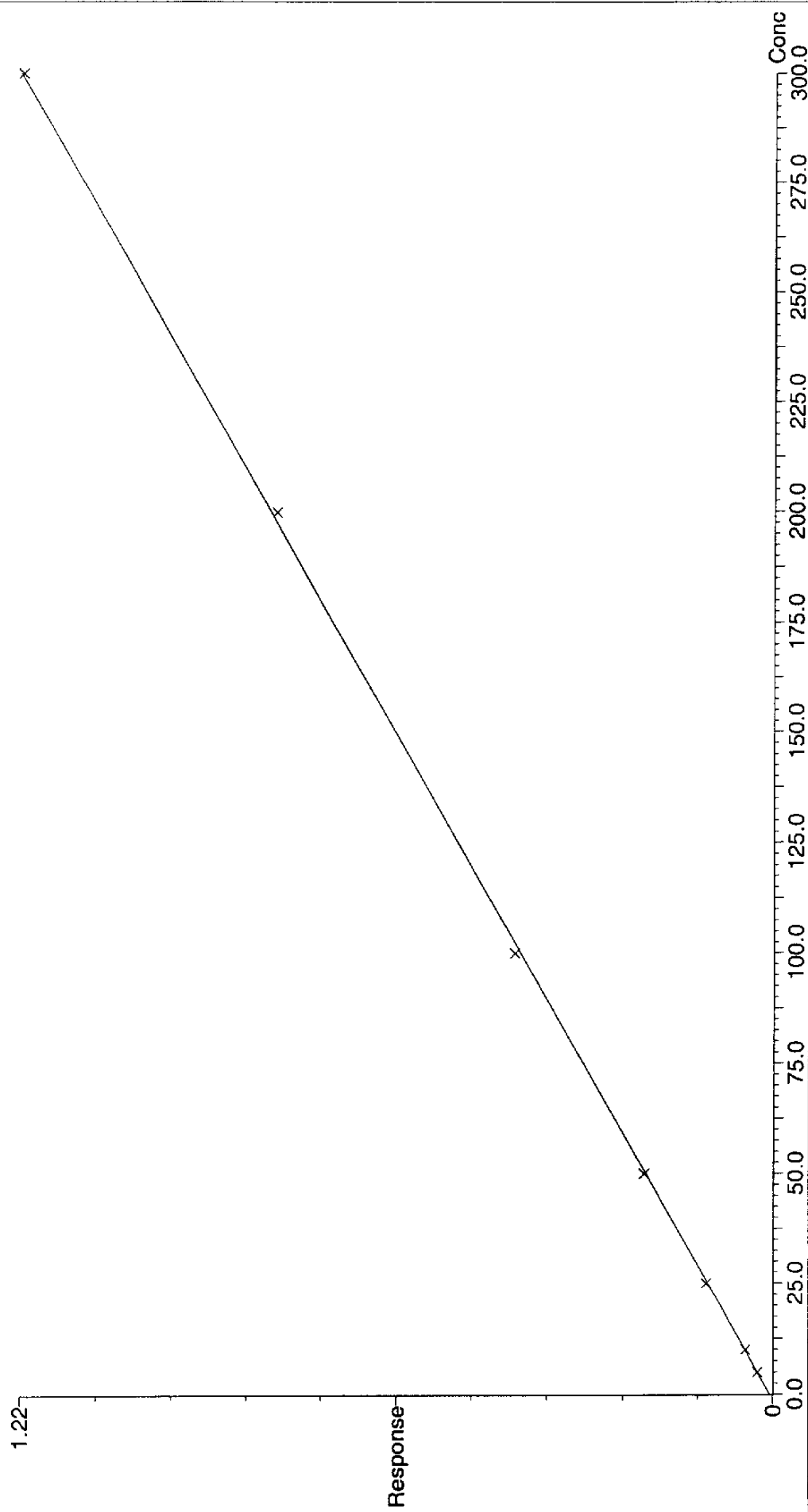
Compound 8 name: Nitrobenzene-d5 Method File: ex24f15

Coefficient of Determination: 0.999817

Calibration curve: $0.00405851 * x + 0.00498117$

Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



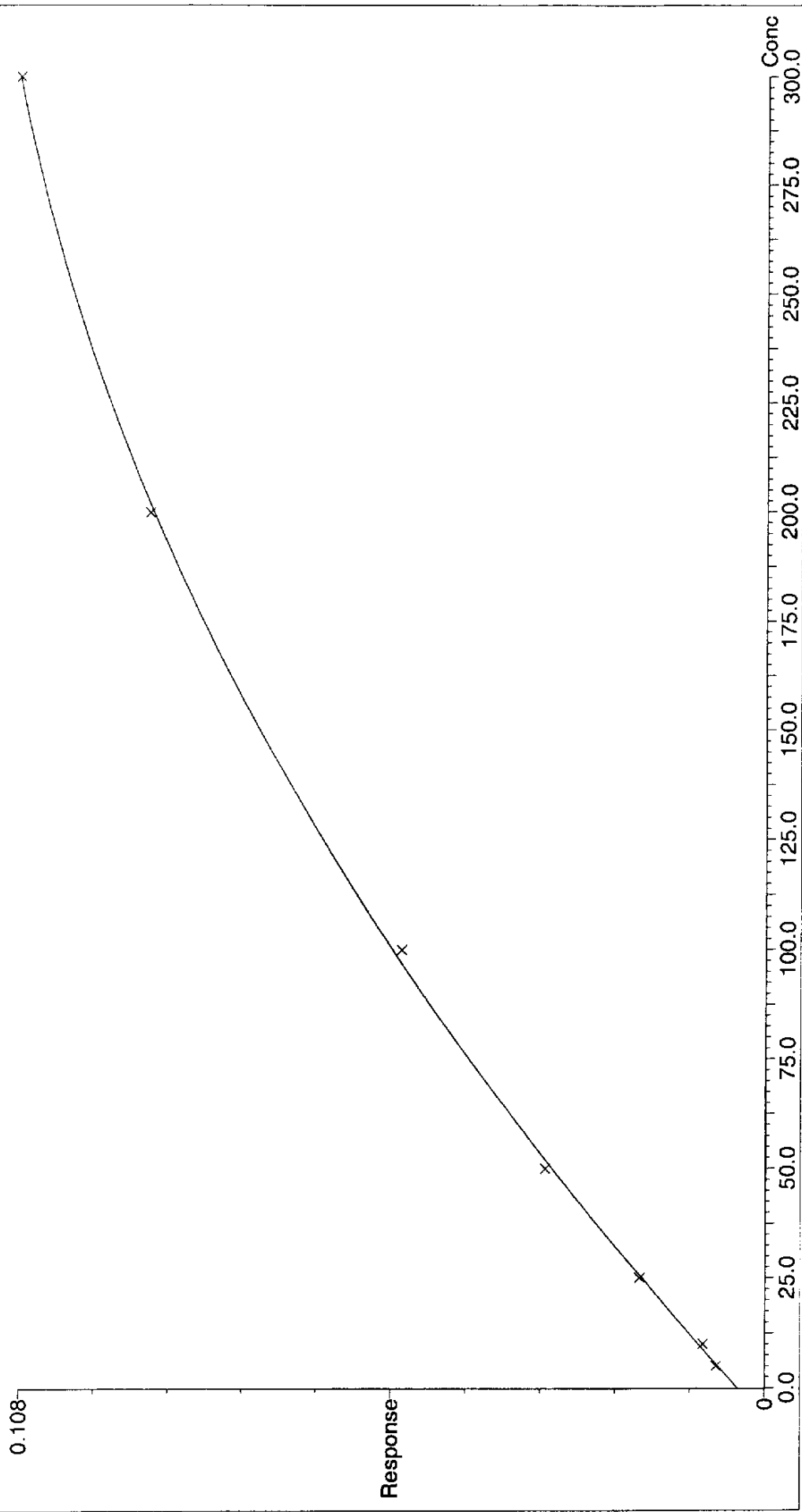
Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Wassalymx\Explosives.PRO\CurvesDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 9 name: Nitroglycerin Method File: ex24f15
Coefficient of Determination: 0.999617
Calibration curve: $-7.59137e-7 \cdot x^2 + 0.000575557 \cdot x + 0.00391895$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

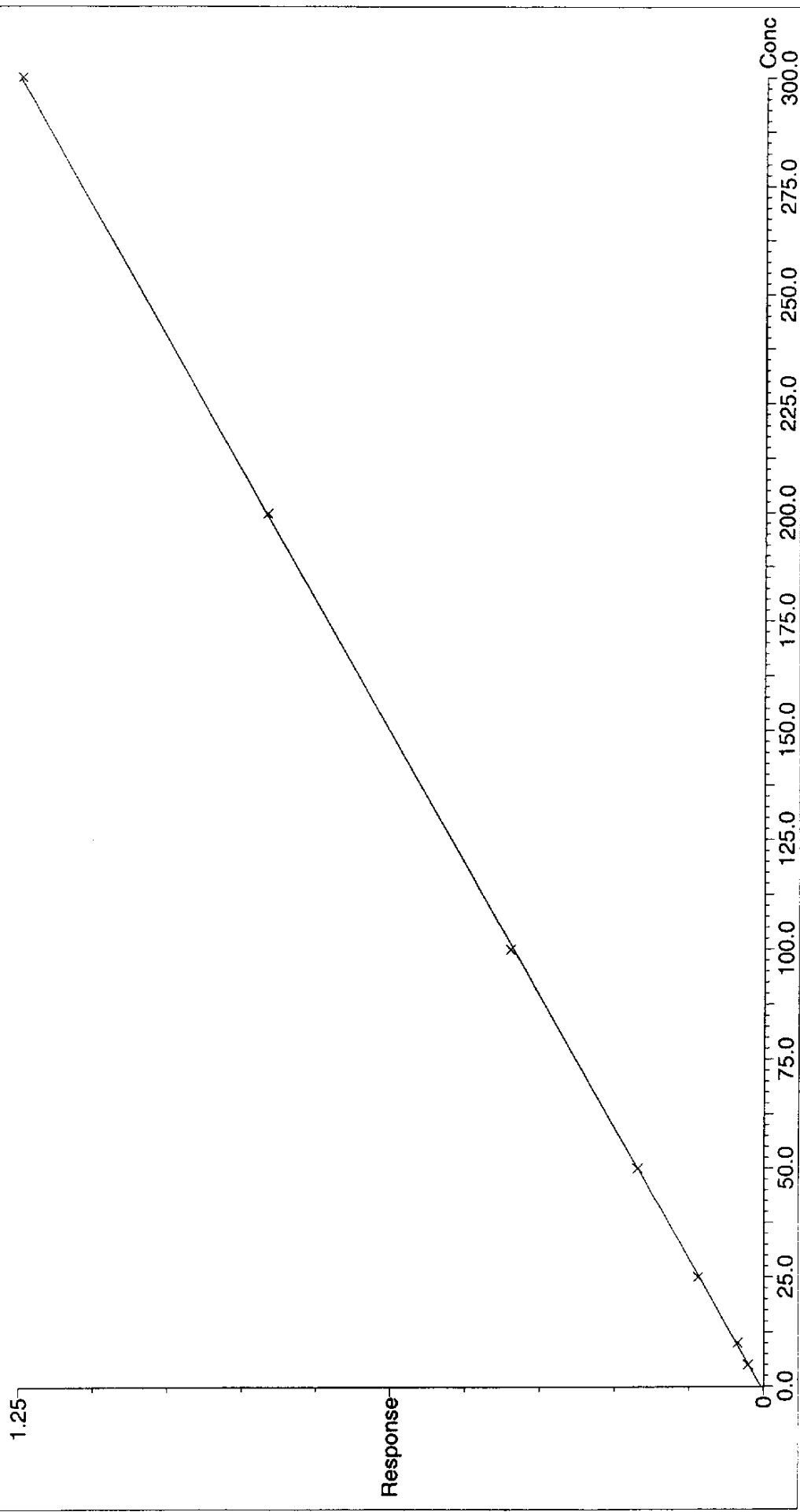
Compound 10 name: Nitrobenzene Method File: ex24f15

Coefficient of Determination: 0.999954

Calibration curve: $0.00414586 * x + 0.00430083$

Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)

Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

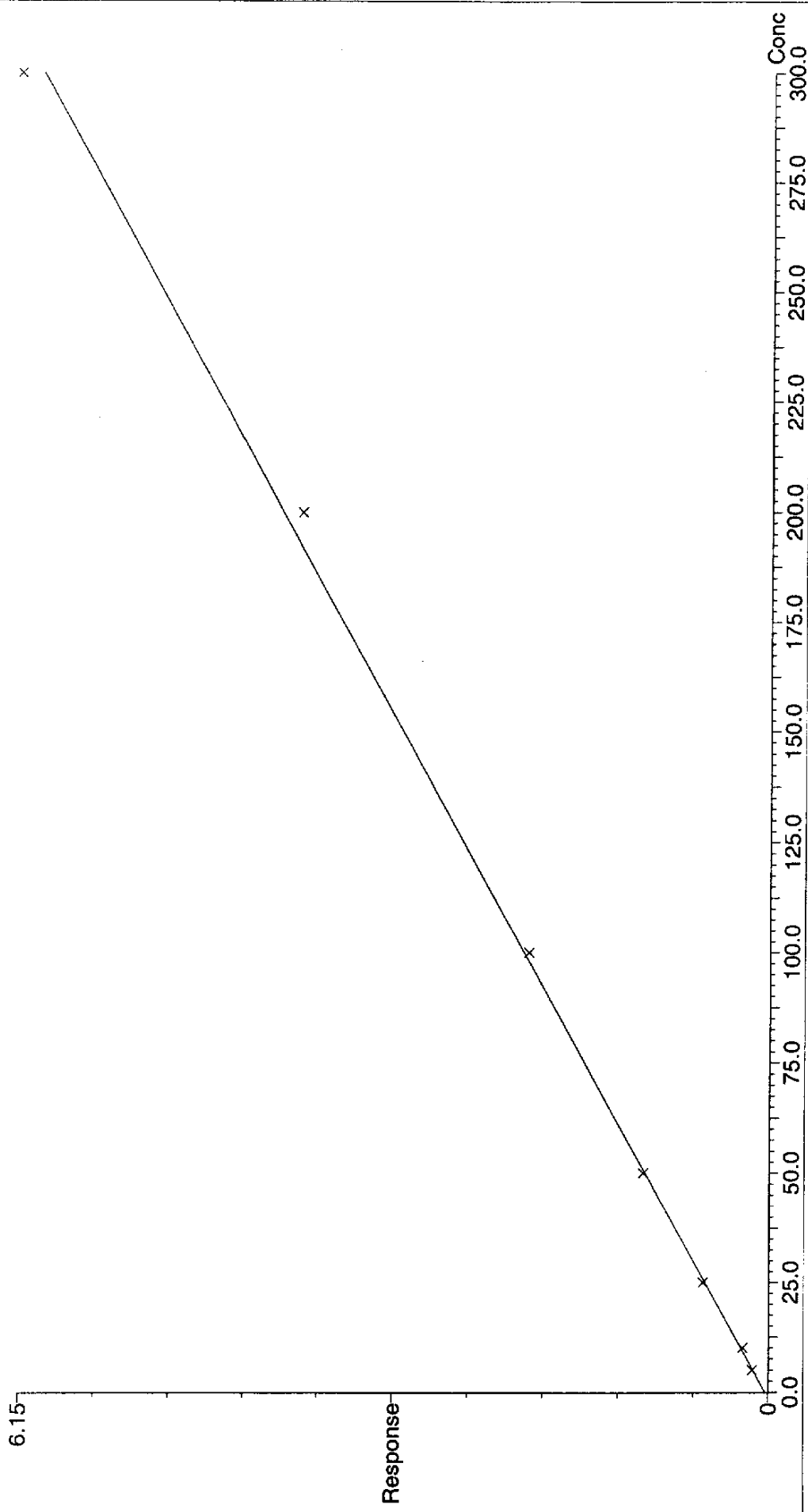


Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurvADB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

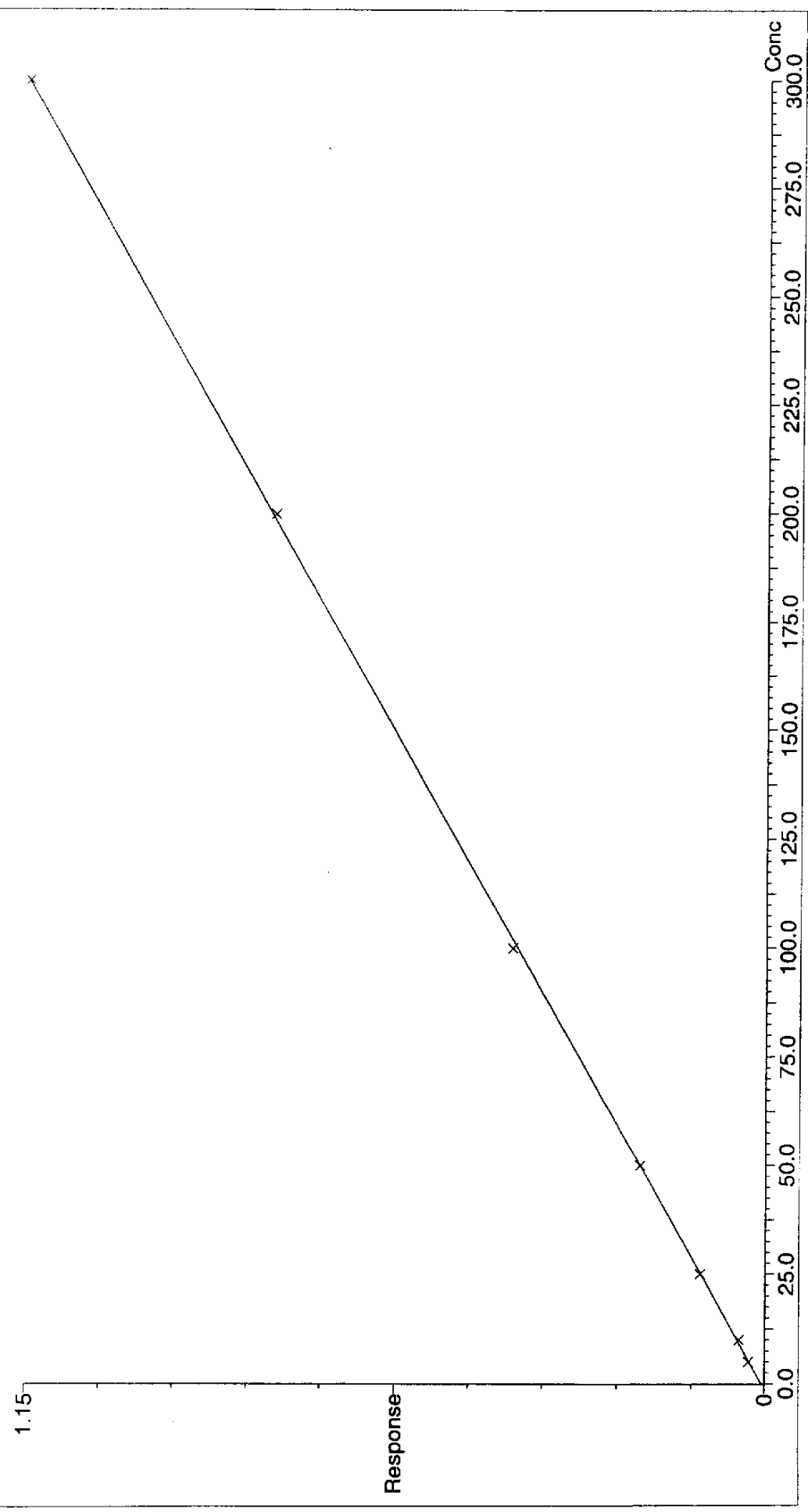
Compound 11 name: 2,4,6-Trinitrotoluene Method File: ex24f15
Coefficient of Determination: 0.998014
Calibration curve: $0.0198226 * x + 0.0260440$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Calibration: C:\Nassalyra\Explosives.PRO\Curvdb\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

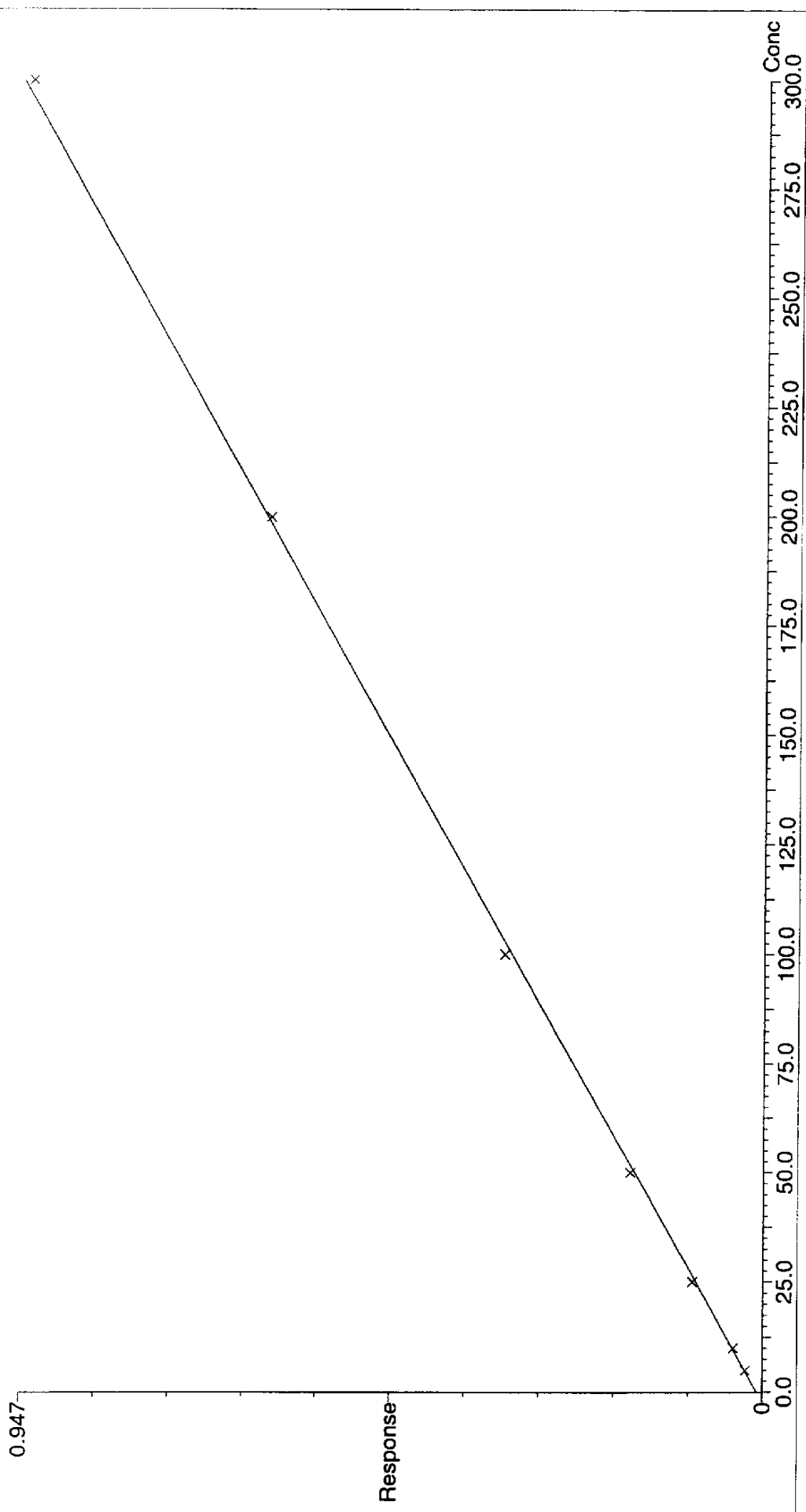
Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**
Method File: ex24f15
Compound 12 name: 4-Amino-2,6-dinitrotoluene
Coefficient of Determination: 0.999902
Calibration curve: $0.00381988 * x + 0.00466517$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Calibration: C:\Wassilova\Explosives_PRO\CurvedB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**
Compound 13 name: 2-Amino-4,6-dinitrotoluene Method File: ex24f15
Coefficient of Determination: 0.999570
Calibration curve: $0.00313441 * x + 0.00674855$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

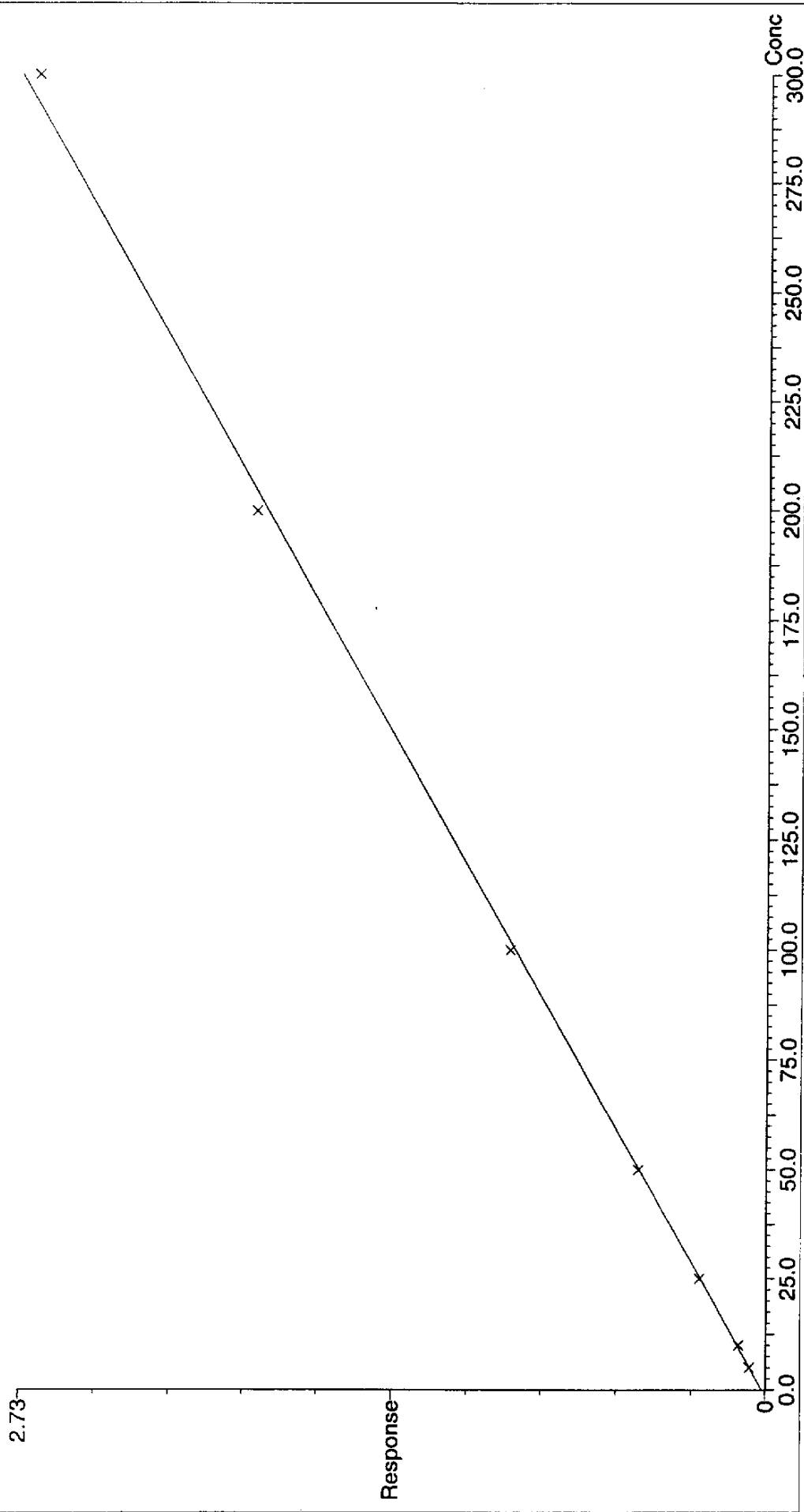


Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives_PRO\CurvedB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 14 name: 2,6-Dinitrotoluene Method File: ex24f15
Coefficient of Determination: 0.998986
Calibration curve: $0.00907213 * x + 0.0128841$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

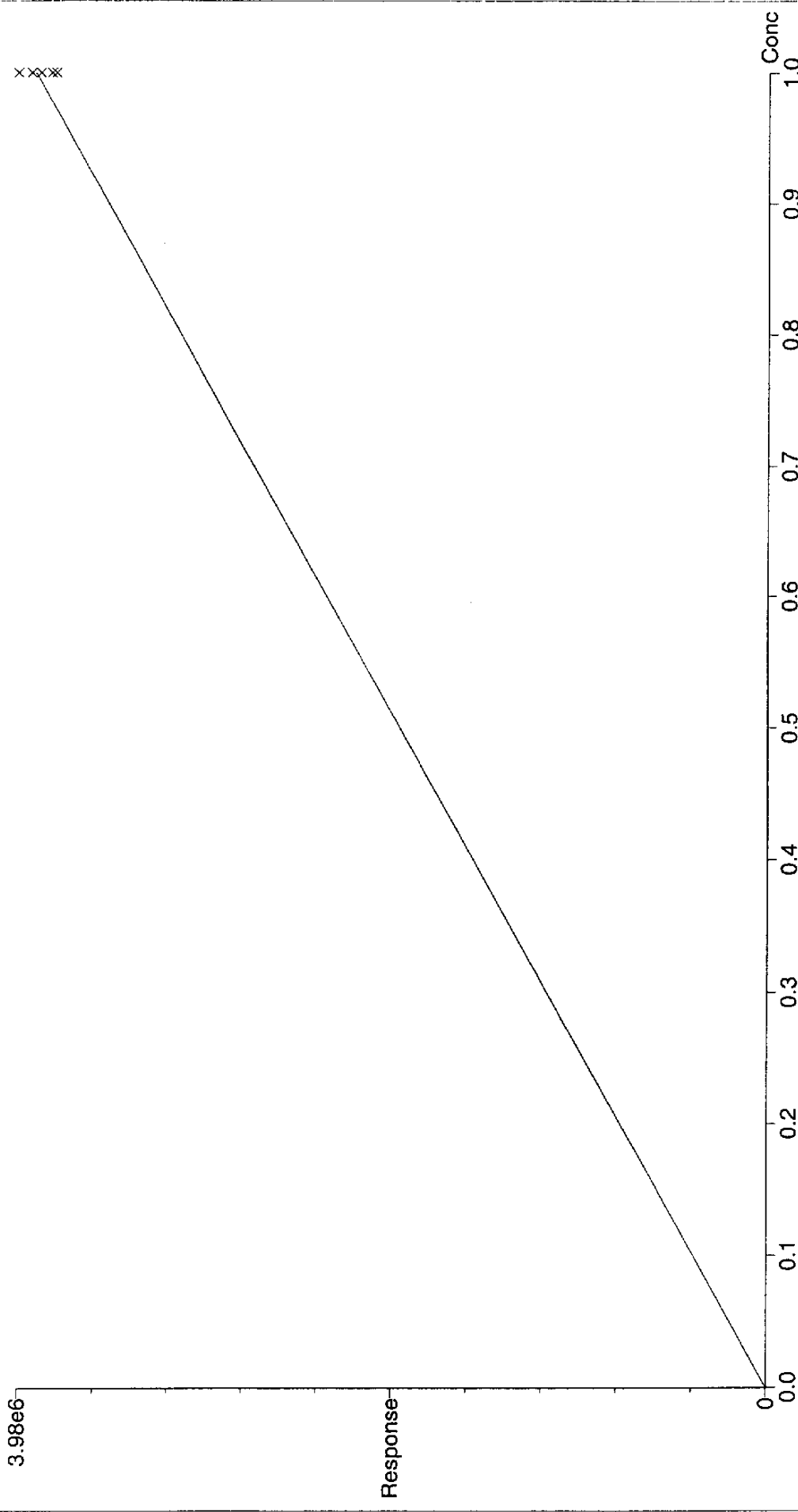


Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis
Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**
Method File: ex24f15

Compound 15 name: 2,4-Dinitrotoluene-d3 (IS)
Response Factor: 3.88751e6
RRF SD: 79201.7, % Relative SD: 2.03734
Response type: External Std, Area
Curve type: RF



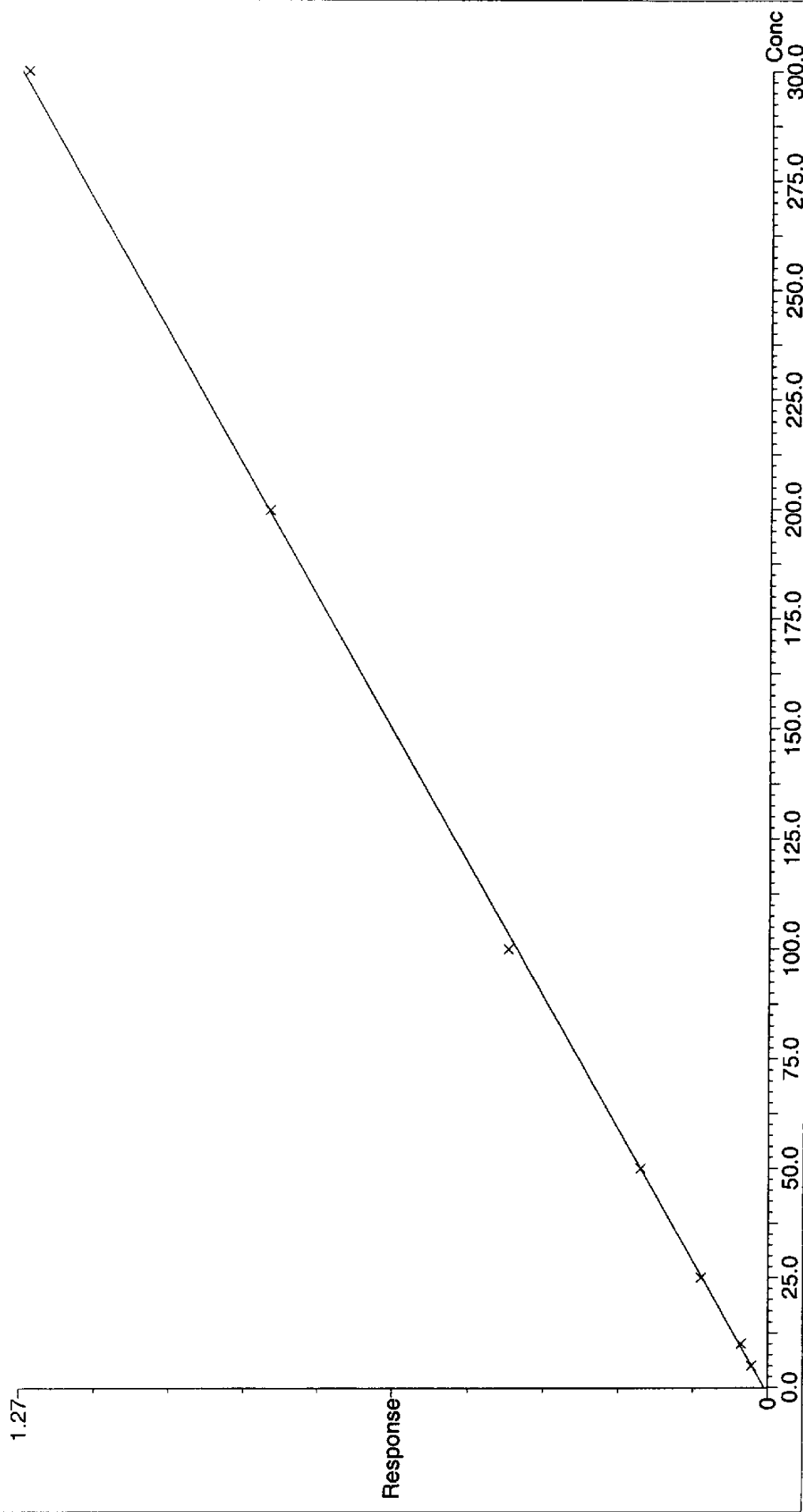
Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 16 name: 2,4-Dinitrotoluene Method File: ex24f15
Coefficient of Determination: 0.999730
Calibration curve: $0.00422490 * x + 0.00614752$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

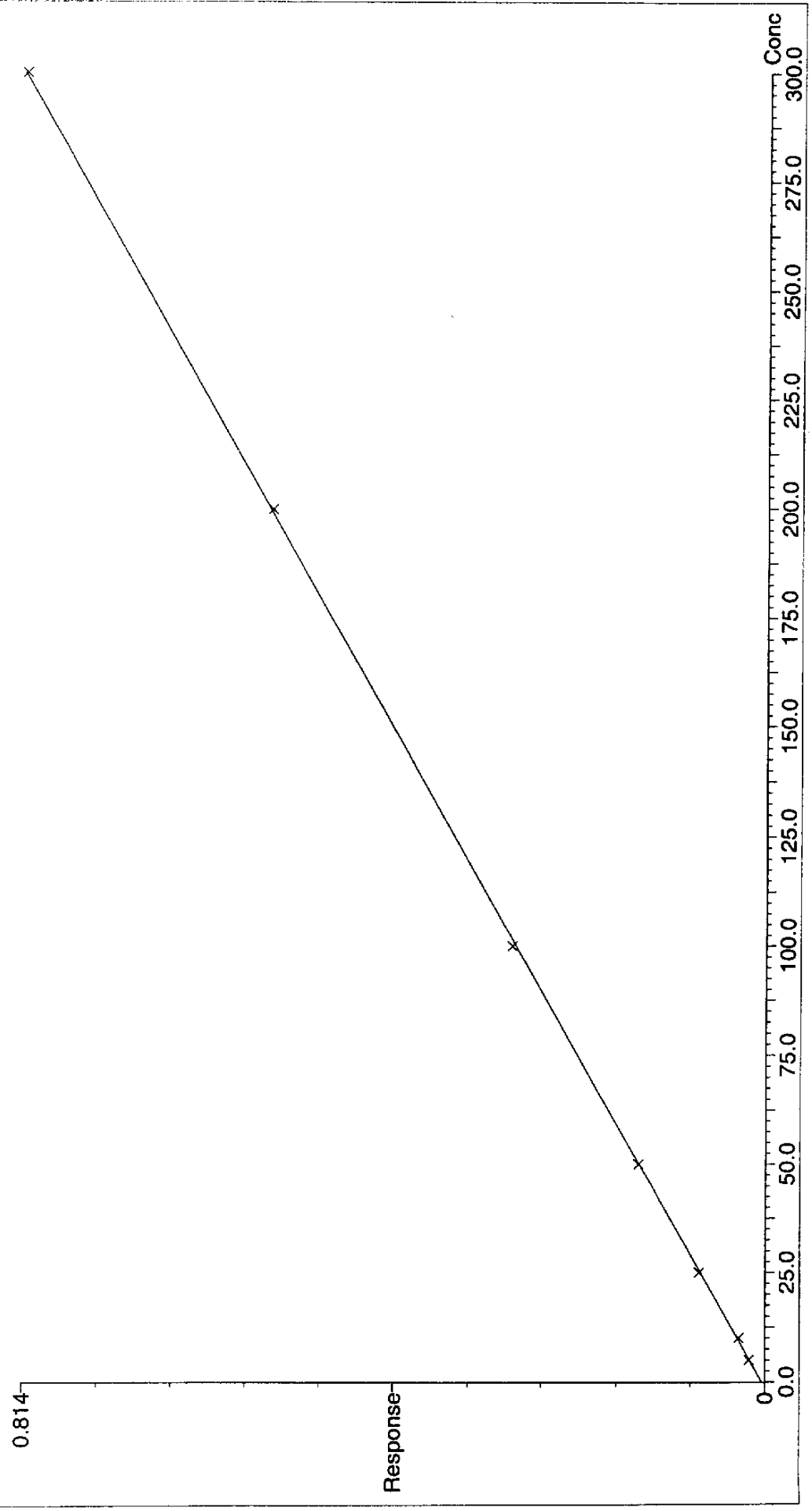


Analyst: Steve Cowling

Calibration: C:\Masslynx\Explosives.PRO\CurvedB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 17 name: 2-Nitrotoluene Method File: ex24f15
Coefficient of Determination: 0.999940
Calibration curve: $0.00270052 * x + 0.00348876$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



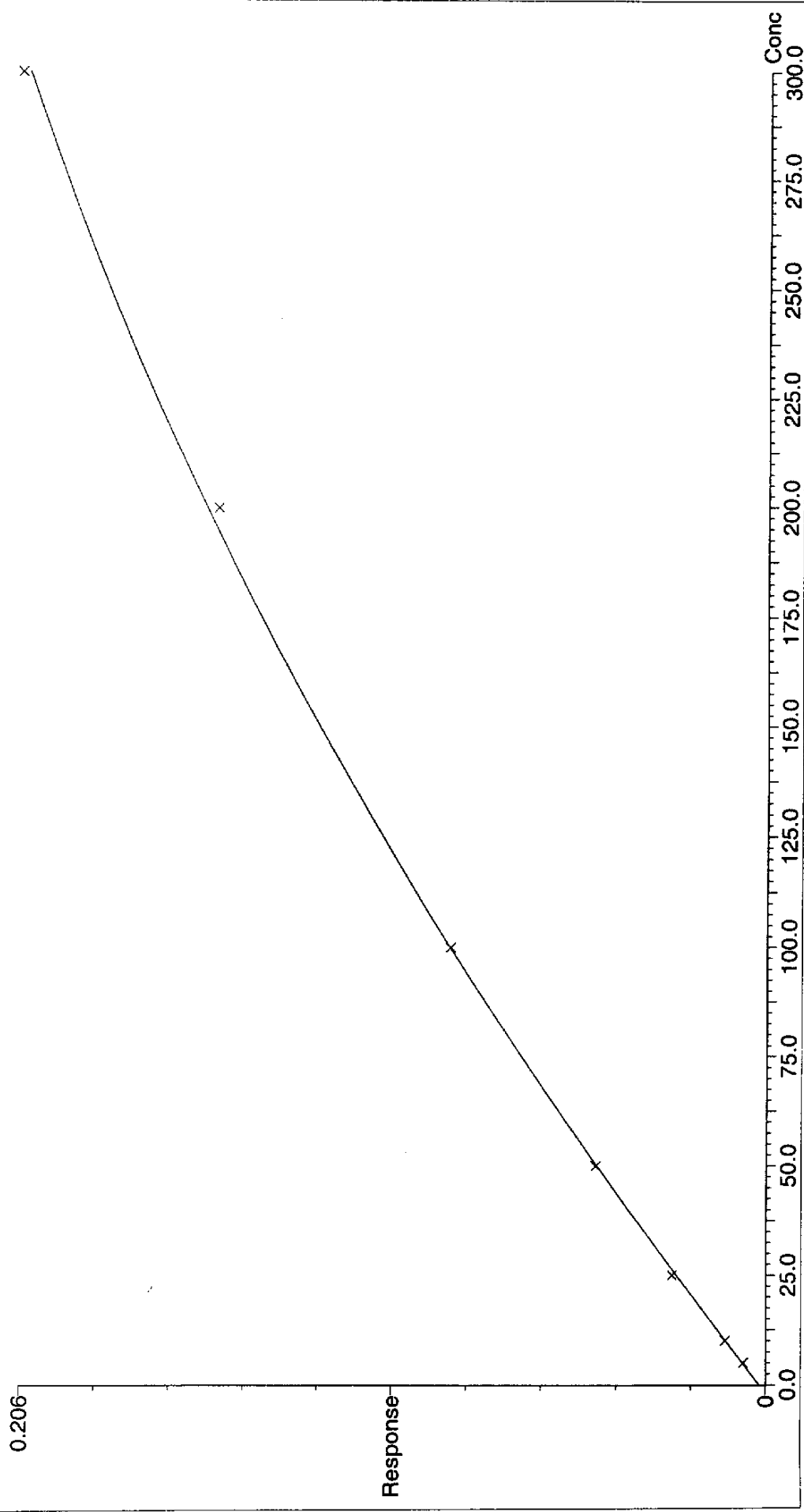
Analyt: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives.PRO\CurveDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 18 name: PETN Method File: ex24f15
Coefficient of Determination: 0.999549
Calibration curve: $-9.01887e-7 * x^2 + 0.000946317 * x + 0.00171378$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



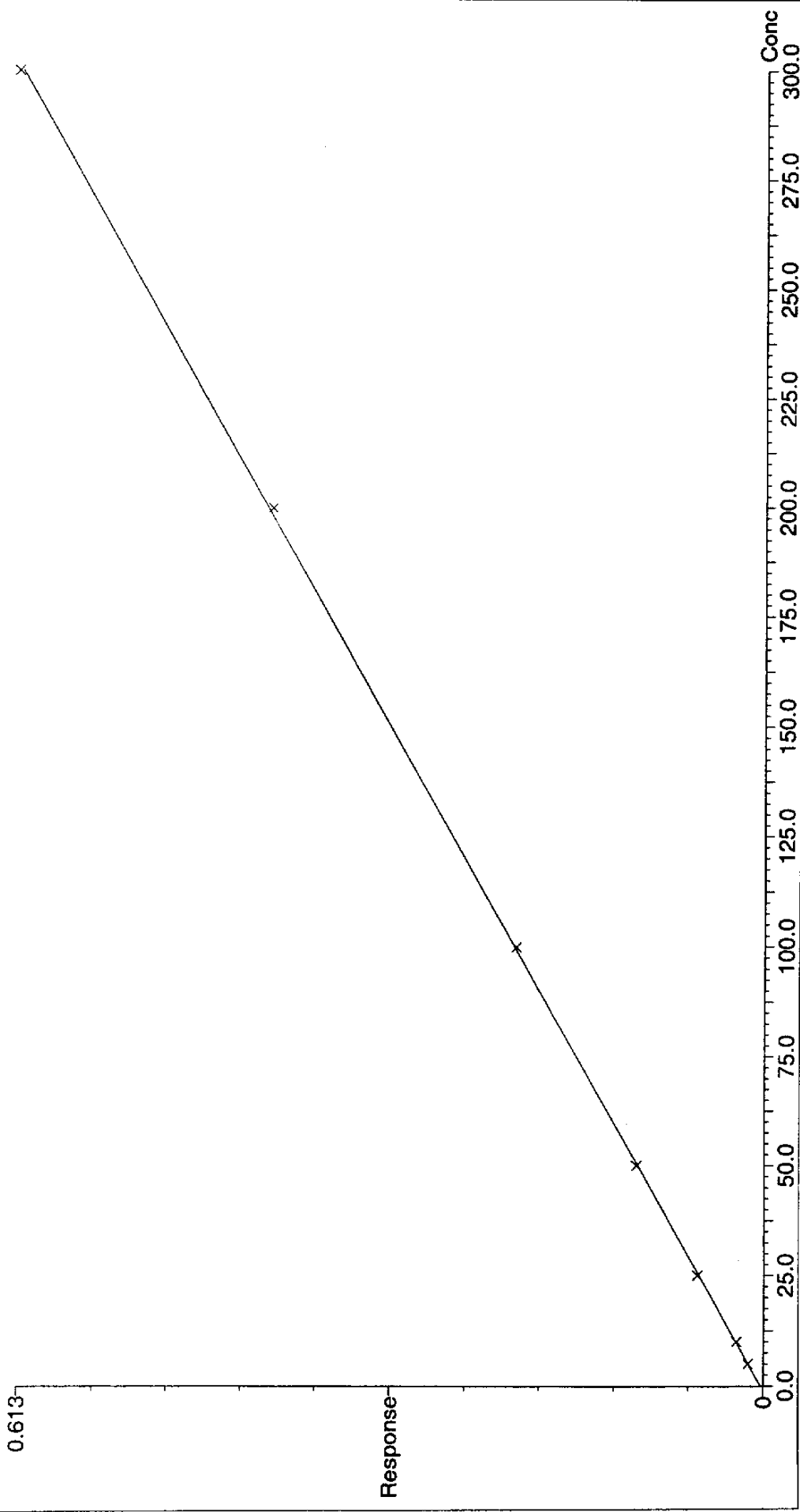
Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives-PRO\CurvedB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 19 name: 4-Nitrotoluene Method File: ex24f15
Coefficient of Determination: 0.999907
Calibration curve: $0.00202675 * x + 0.00227508$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



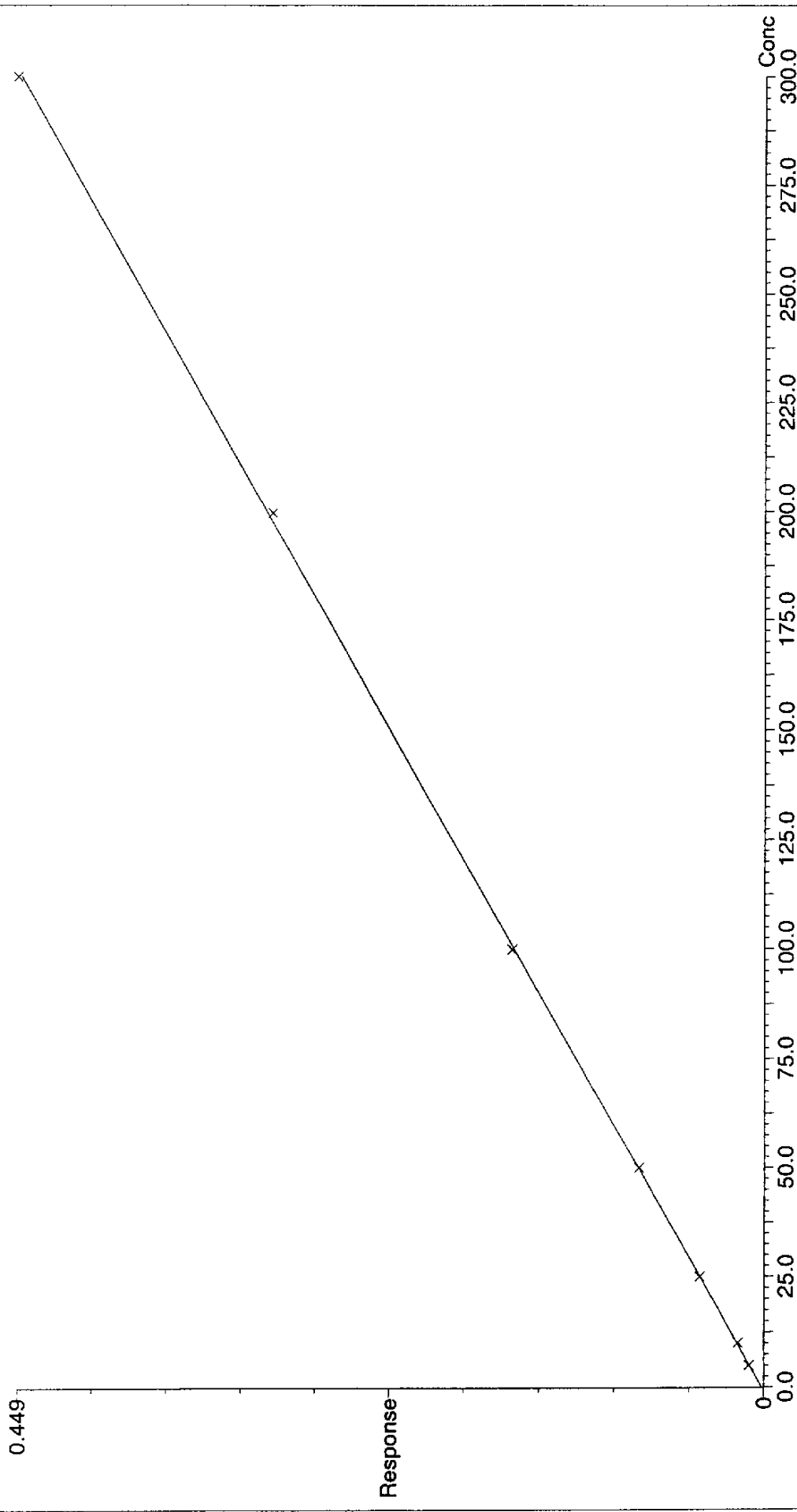
Analyst: Steve Cowling

Quantify Calibration Report
Explosives Analysis

Calibration: C:\Masslynx\Explosives_PRO\CurveDB\ex24f15
Last modified: Wed Jun 16 07:25:03 2004
Printed: Wed Jun 16 07:29:33 2004

Result (µg/L or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration (µg/L)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

Compound 20 name: 3-Nitrotoluene Method File: ex24f15
Coefficient of Determination: 0.999892
Calibration curve: $0.00148588 * x + 0.00125697$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



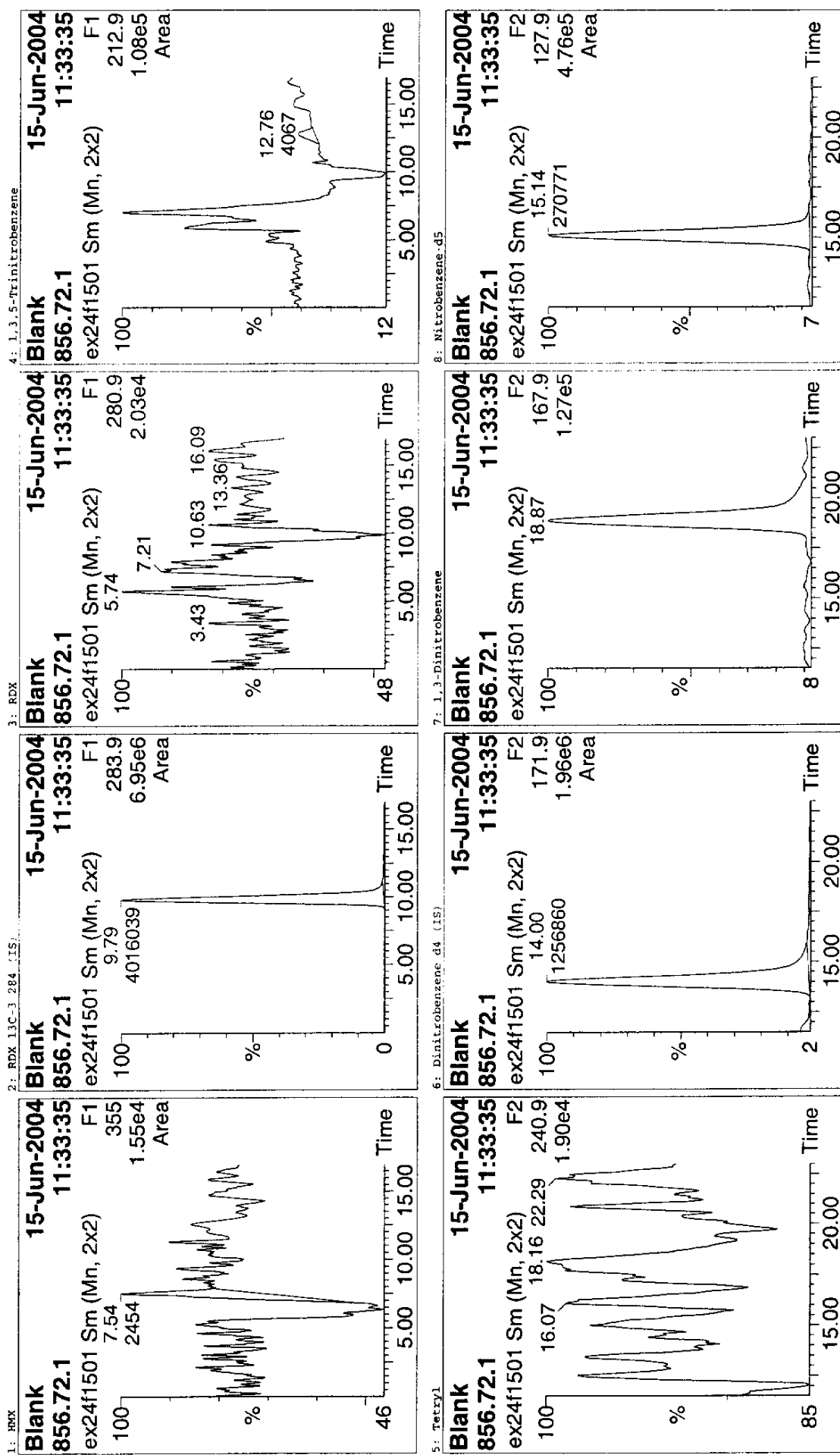
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1501
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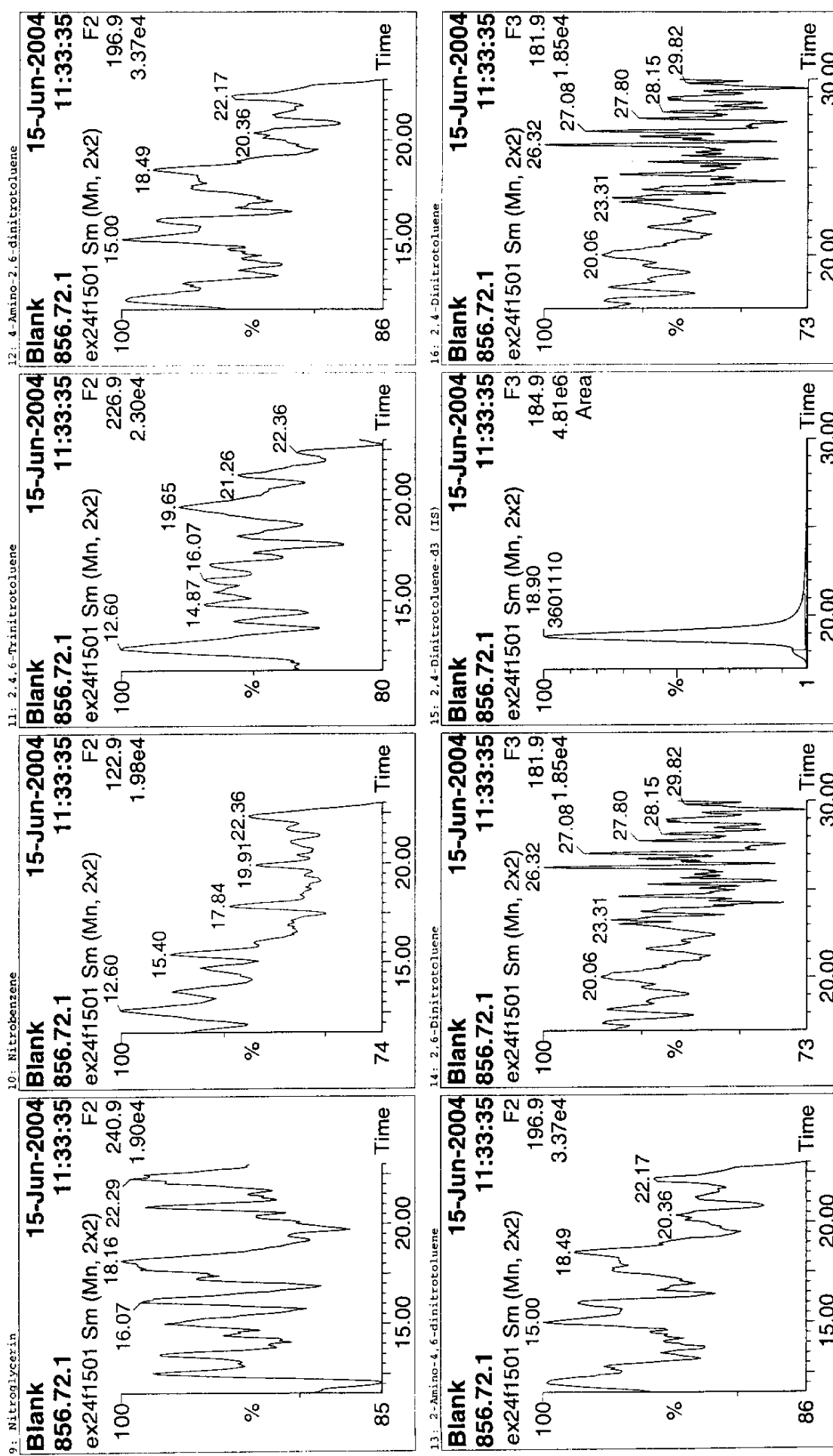
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:14:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1501
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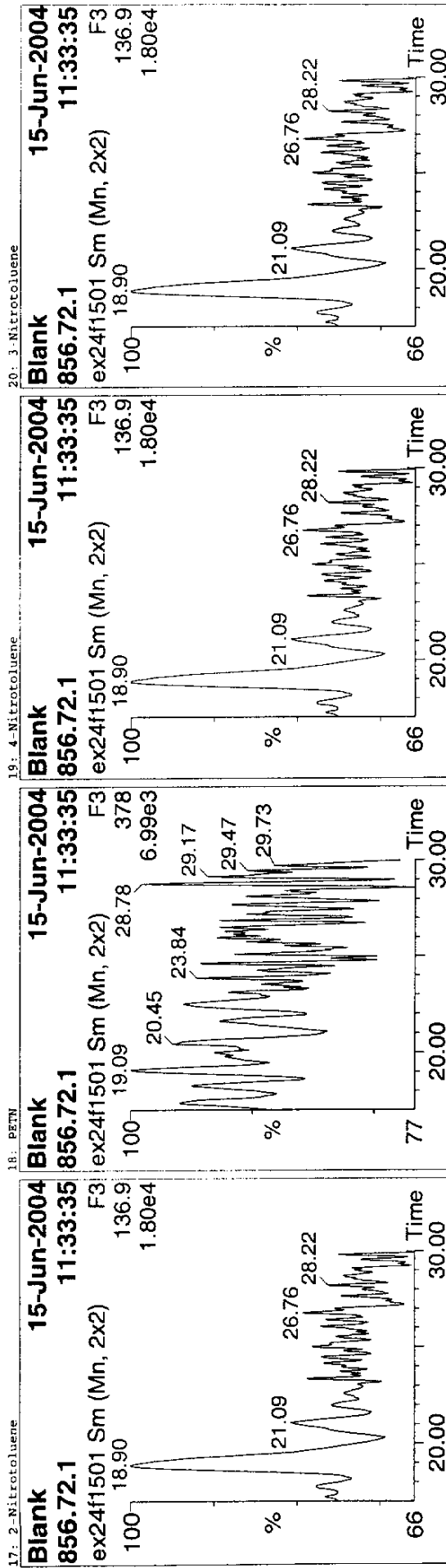


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives\PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives\PRO\MethDB\ex24f15
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Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1501
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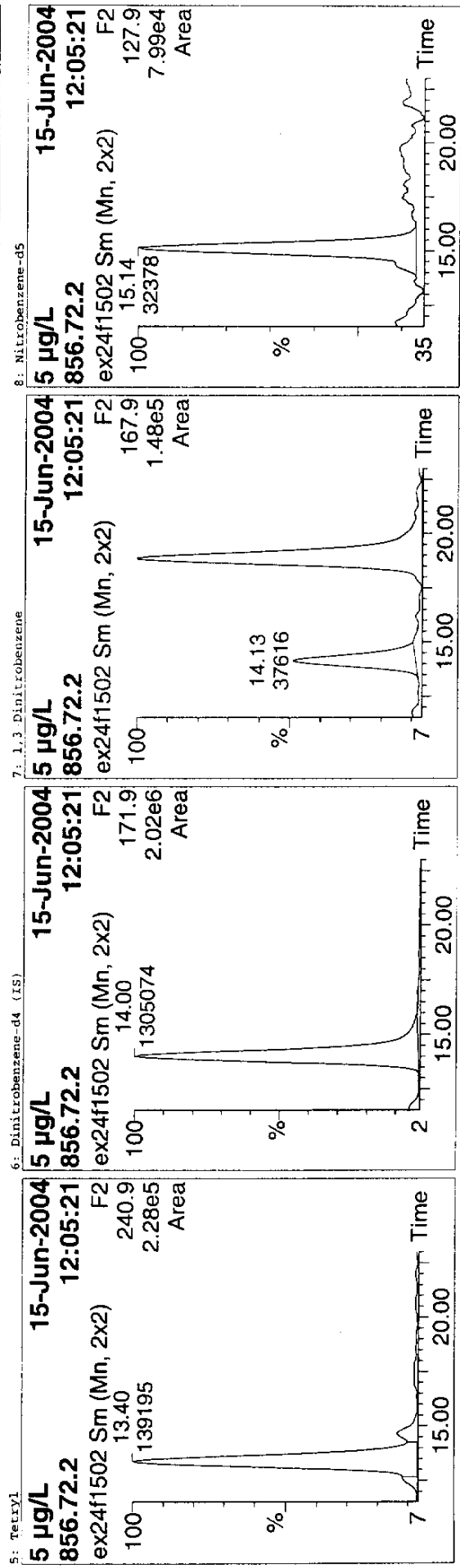
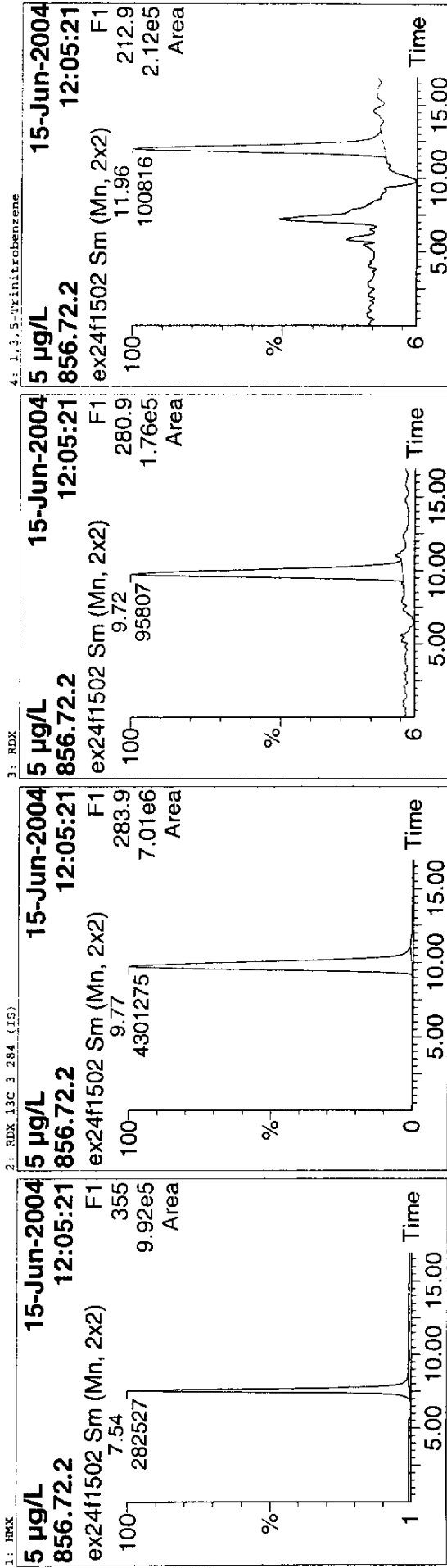


Analyst: Steve Cowling

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

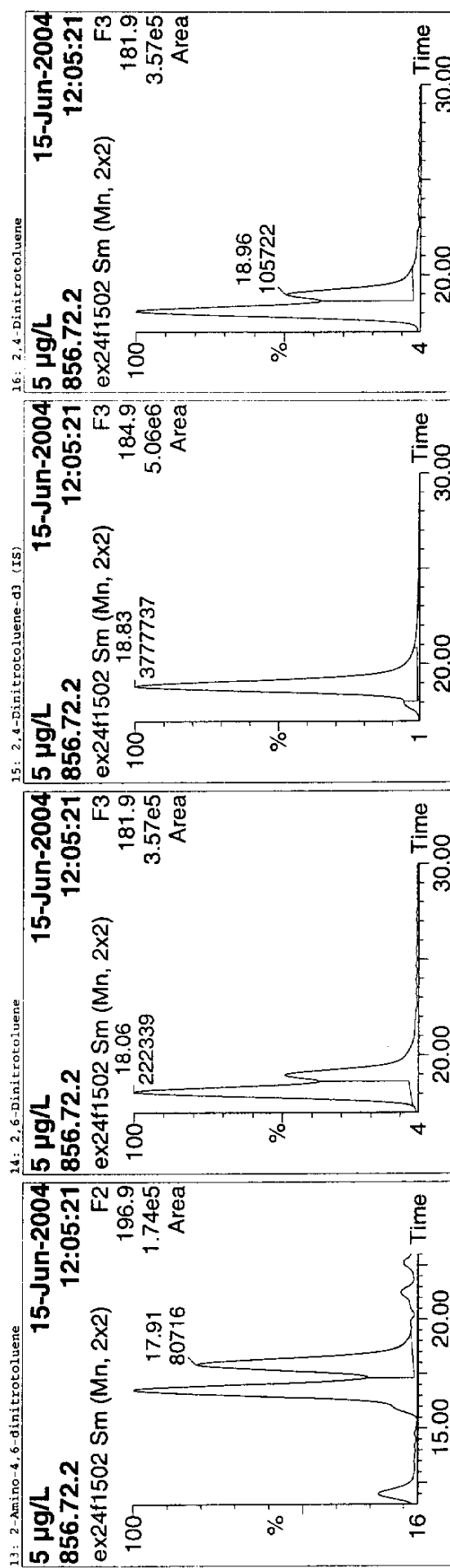
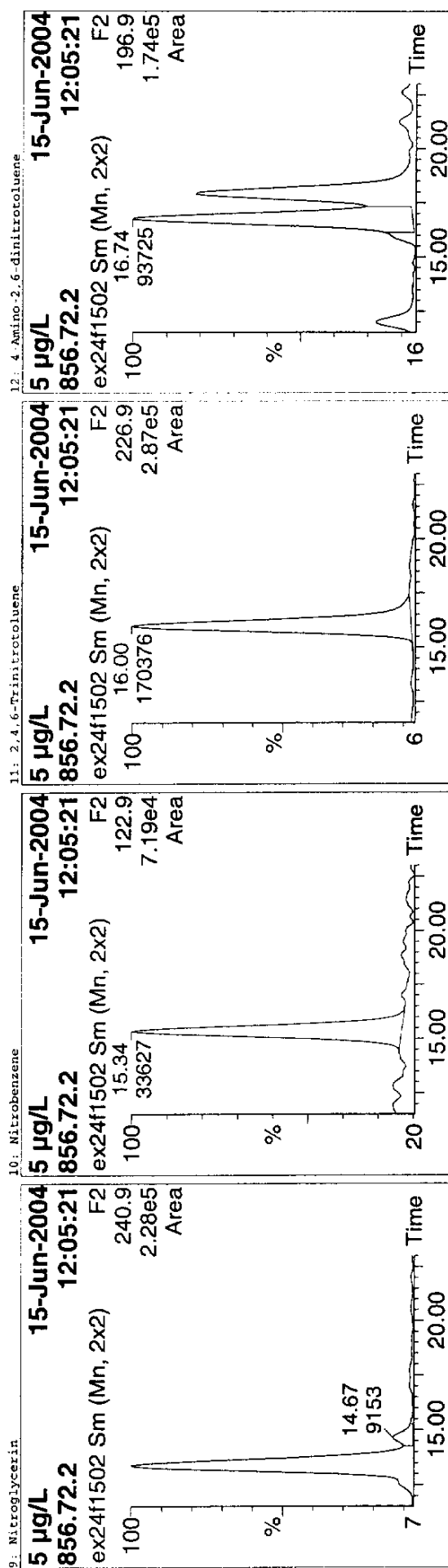
Name: ex24f1502
Text: 5 µg/L



Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Job Code:
Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1502
Text: 5 µg/L



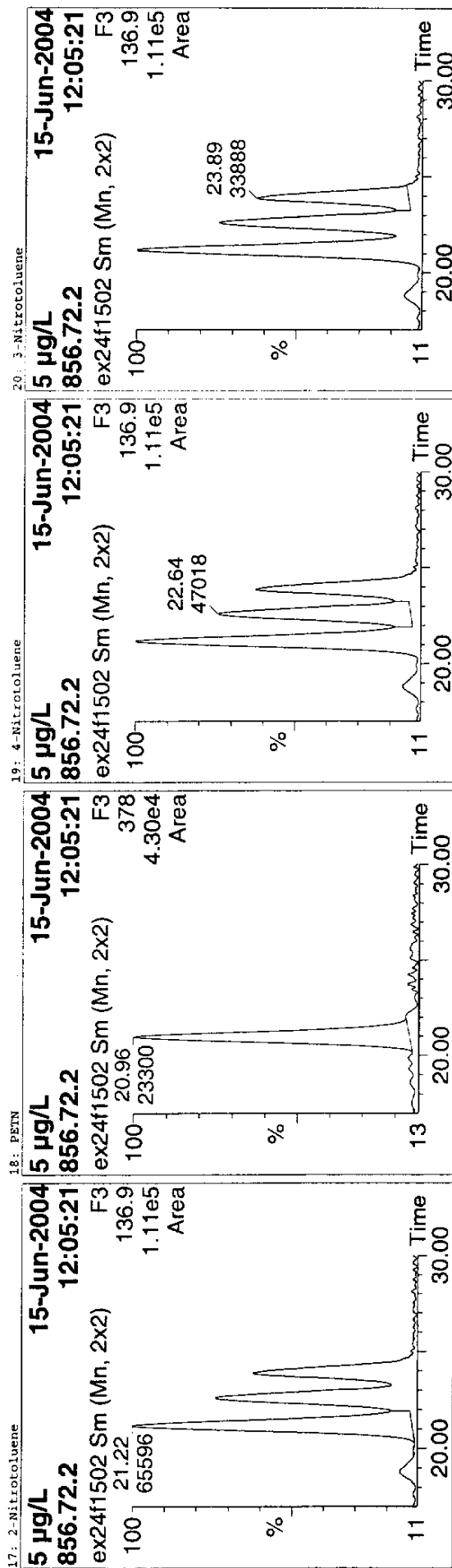
Analyst: Steve Cowling

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1502
Test: 5 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1	HMX	7.54	282527	4301275	0.066	bb	4.405	88.11		
2	RDX 13C-3 284 (IS)	9.77	4301275	4301274..	0.022	bb	1.090	109.00		
3	RDX	9.72	95807	4301275	0.022	bb	4.624	92.49		
4	1,3,5-Trinitrobenzene	11.96	100816	1305074	0.077	bb	5.222	104.44		
5	Tetryl	13.40	139195	1305074	0.107	dd	5.175	103.50		
6	Dinitrobenzene-d4 (IS)	14.00	1305074	1305074..	0.029	bb	0.980	98.04		
7	1,3-Dinitrobenzene	14.14	37616	1305074	0.025	bb	5.277	105.55		
8	Nitrobenzene-d5	15.14	32378	1305074	0.025	bb	4.886	97.71		
9	Nitroglycerin	14.67	9153	1305074	0.007	ds	5.416	108.31		
10	Nitrobenzene	15.34	33627	1305074	0.026	bb	5.178	103.55		
11	2,4,6-Trinitrotoluene	16.00	170376	1305074	0.131	bb	5.272	105.44		
12	4-Amino-2,6-dinitrotoluene	16.74	93725	3777737	0.025	dd	5.274	105.47		
13	2-Amino-4,6-dinitrotoluene	17.91	80716	3777737	0.021	ds	4.664	93.27		
14	2,6-Dinitrotoluene	18.06	222339	3777737	0.059	bd	5.067	101.35		
15	2,4-Dinitrotoluene-d3 (IS)	18.83	3777737	3777736..	0.028	ds	0.972	97.18		
16	2,4-Dinitrotoluene	18.96	105722	3777737	0.017	bd	5.169	103.38		
17	2-Nitrotoluene	21.22	65596	3777737	0.017	bd	5.138	102.76		
18	PETN	21.22	23300	3777737	0.006	bb	4.728	94.56		
19	4-Nitrotoluene	22.64	47018	3777737	0.012	dd	5.018	100.37		
20	3-Nitrotoluene	23.89	33888	3777737	0.009	ds	5.191	103.82		

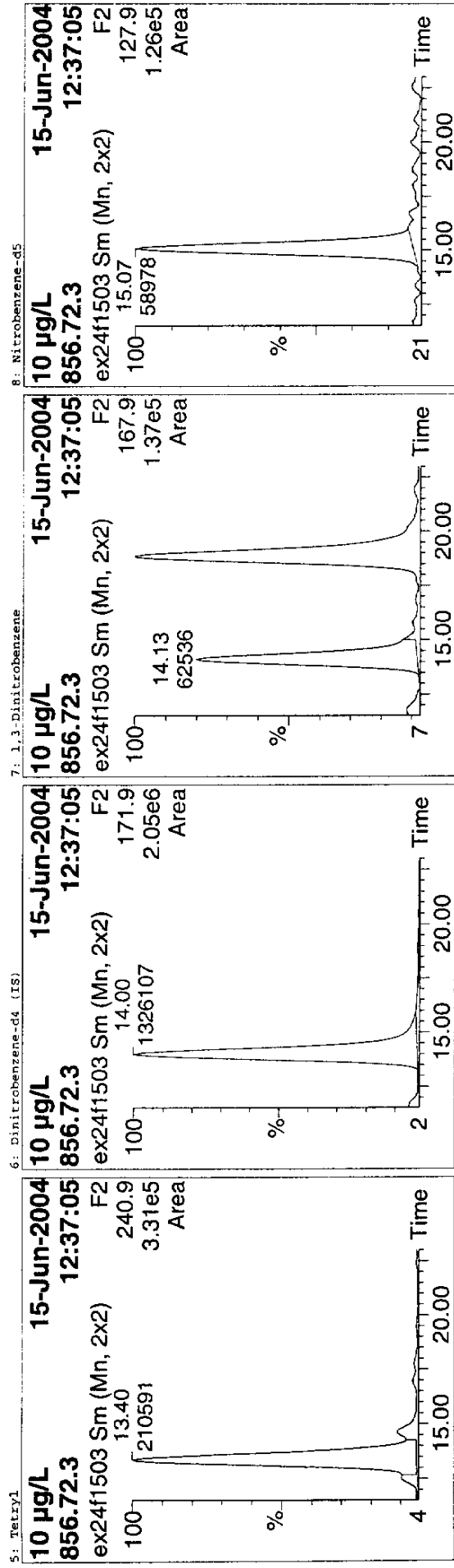
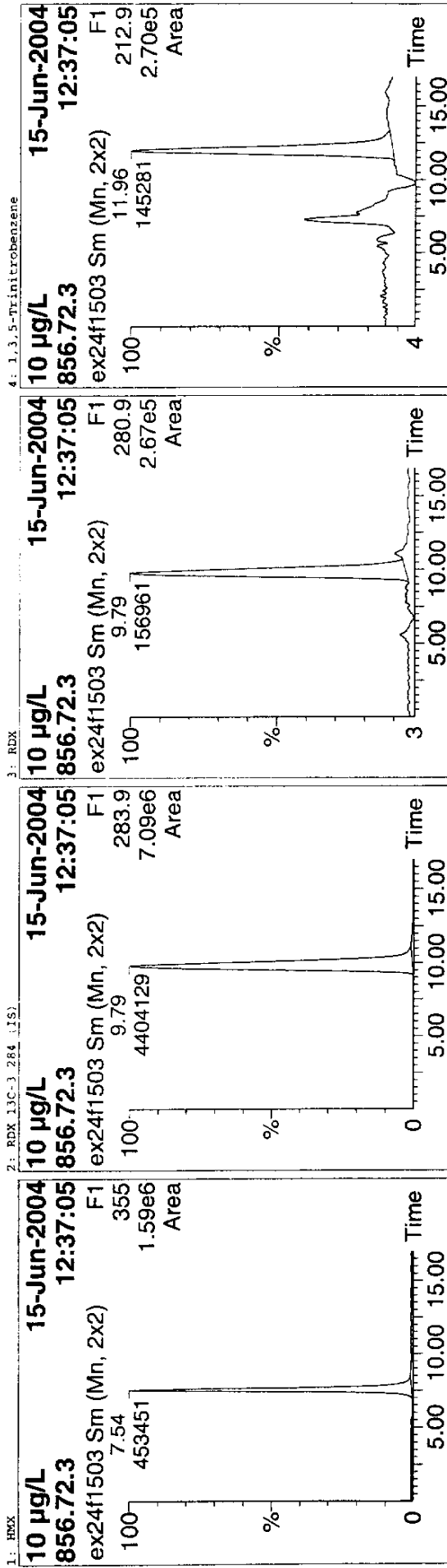
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:28:37 2004

Name: ex24f1503
Text: 10 µg/L



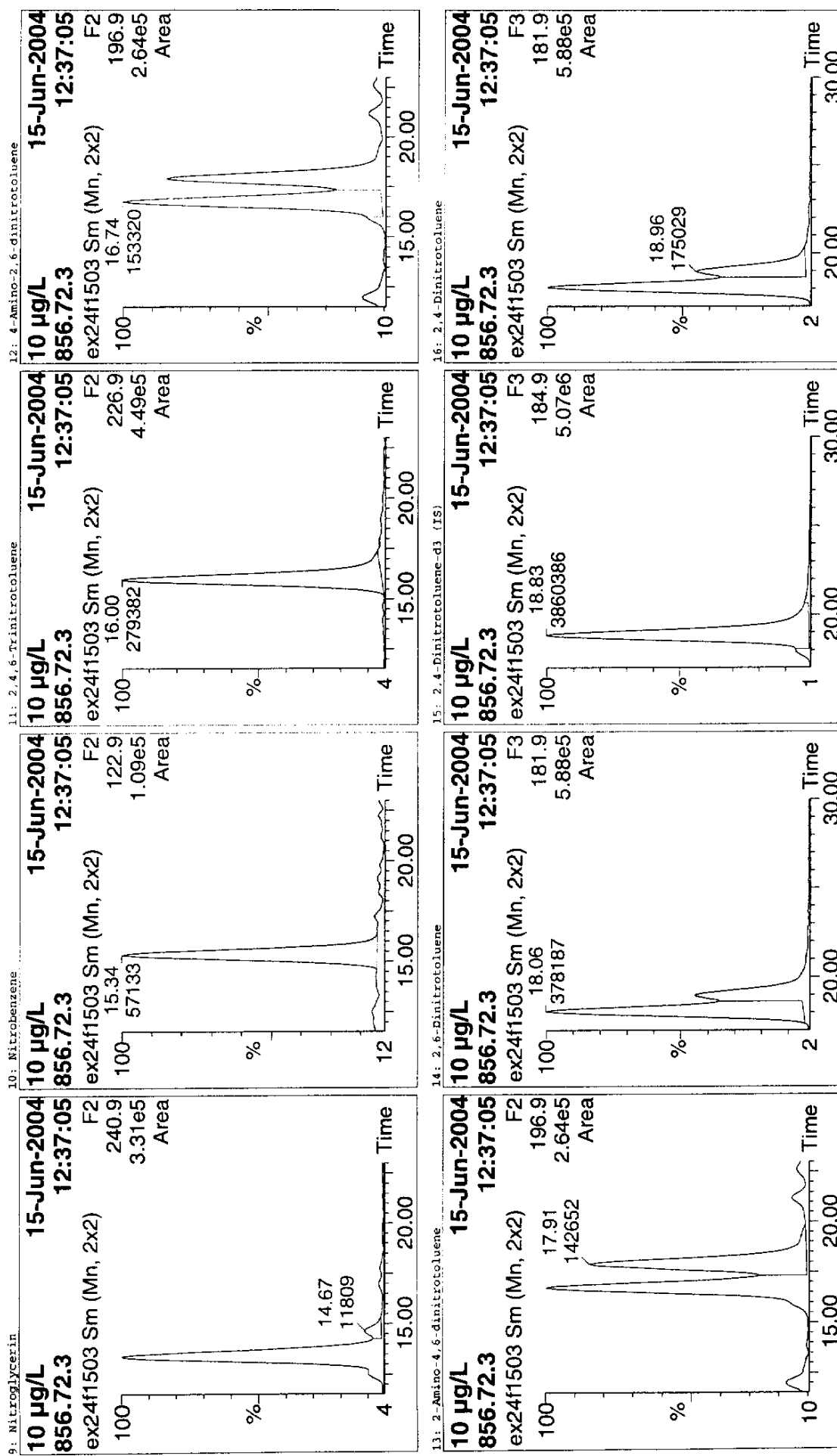
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1503
Text: 10 µg/L



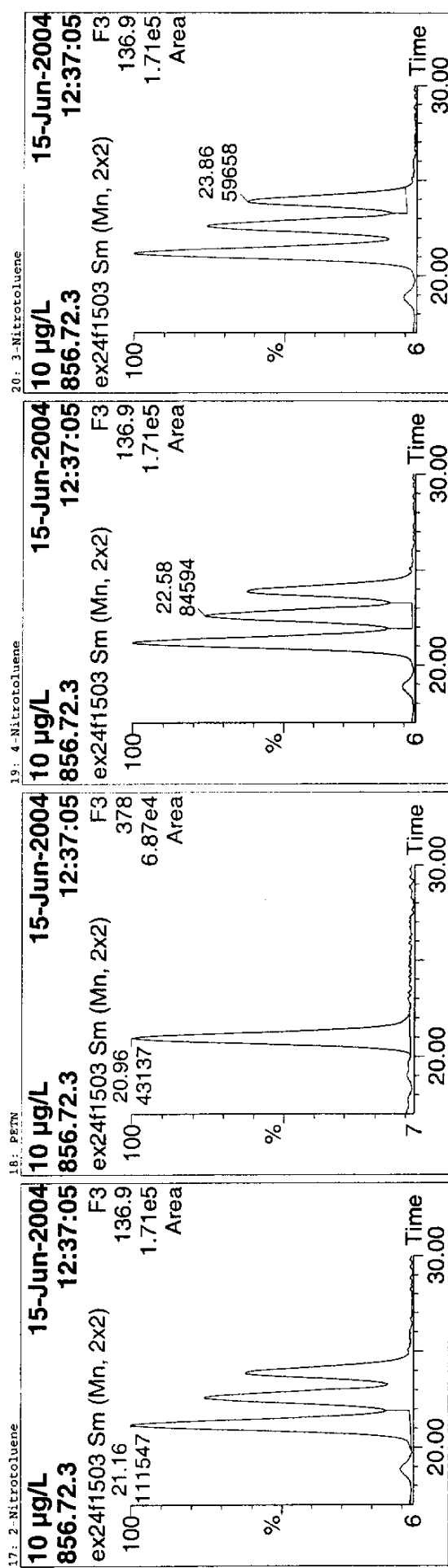
Analyst: Steve Cowling

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1503
Text: 10 µg/L



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1 RDX	7.54	453451	4404129	0.103	bb	10.350	103.50				
2 RDX 13C-3 284 (IS)	9.79	4404129	4404129	0.116	bb	1.116	111.61				
3 RDX	9.79	156961	4404129	0.036	bb	8.832	88.32				
4 1,3,5-Trinitrobenzene	11.96	145281	1326107	0.110	bb	9.390	93.90				
5 Tetrayl	13.40	210591	1326107	0.159	dd	9.215	92.15				
6 Dinitrobenzene-d4 (IS)	14.00	1326107	1326107	0.096	bb	0.996	99.62				
7 1,3-Dinitrobenzene	14.14	62536	1326107	0.047	be	9.252	92.52				
8 Nitrobenzene-d5	15.07	58978	1326107	0.044	bb	9.731	97.31				
9 Nitroglycerin	14.67	11809	1326107	0.009	db	8.765	87.65				
10 Nitrobenzene	15.34	57133	1326107	0.043	bb	9.354	93.54				
11 2,4,6-Trinitrotoluene	16.00	279382	1326107	0.211	bb	9.314	93.14				
12 4-Amino-2,6-dinitrotoluene	16.74	153320	3860386	0.040	dd	9.176	91.76				
13 2-Amino-4,6-dinitrotoluene	17.91	142652	3860386	0.037	db	9.636	96.36				
14 2,6-Dinitrotoluene	18.06	378187	3860386	0.098	bd	9.378	93.78				
15 2,4-Dinitrotoluene	18.83	3860386	3860386	0.045	ds	0.993	99.30				
16 2,4-Dinitrotoluene-d3 (IS)	18.96	175029	3860386	0.029	bd	9.277	92.77				
17 2-Nitrotoluene	21.16	111547	3860386	0.011	bb	9.408	94.08				
18 PETN	20.96	43137	3860386	0.022	ad	10.094	100.94				
19 4-Nitrotoluene	22.58	84594	3860386	0.015	db	9.690	96.90				
20 3-Nitrotoluene	23.86	59658	3860386	0.015	db	9.555	95.55				

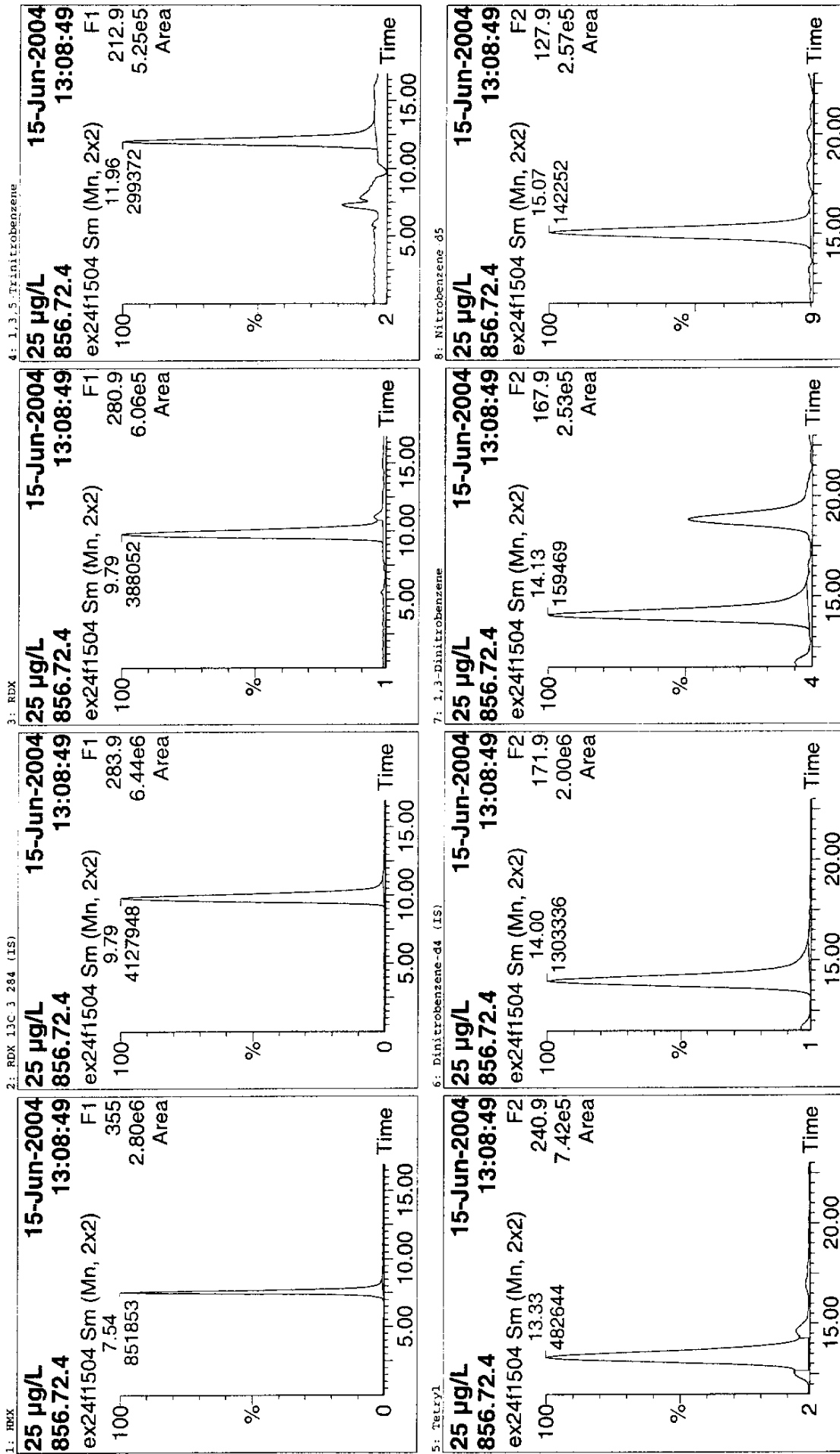
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Job Code: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1504
Test: 25 µg/L



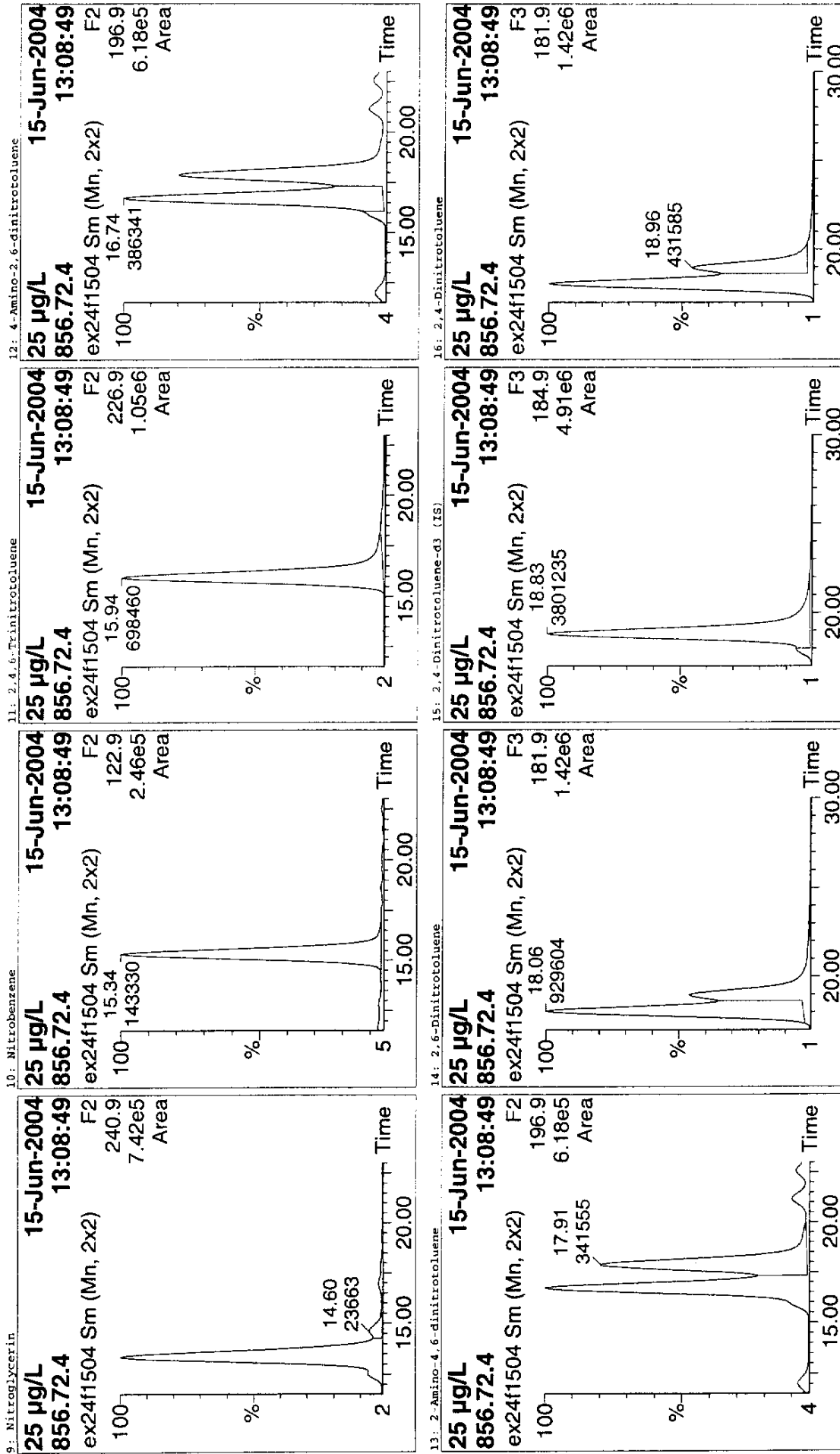
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample list: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Job Code: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1504
Text: 25 µg/L



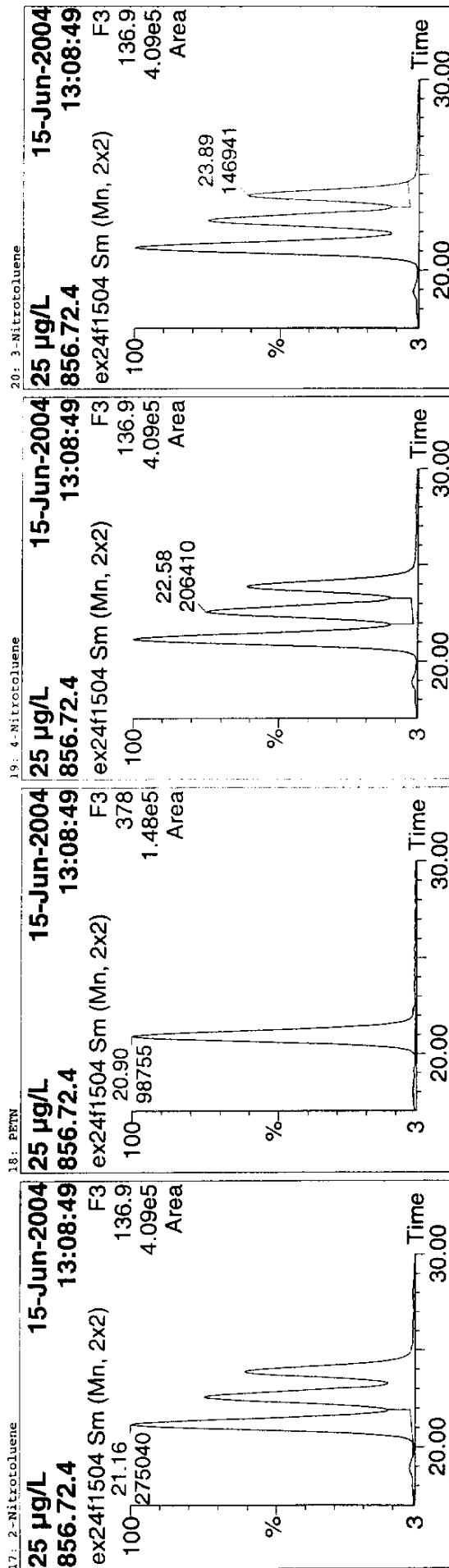
Analyst: Steve Cowling

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1504
Text: 25 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX	7.54	851853	4127948	0.206	bb	27.356	109.42				
2	RDX 1,3-C-3 284 (IS)	9.79	4127948	4127948	0.094	bd	1.046	104.61				
3	RDX	9.79	388052	4127948	0.230	bb	27.205	108.82				
4	1,3,5-Trinitrobenzene	11.96	299372	1303336	0.370	dd	24.871	99.49				
5	Tetryl	13.33	482644	1303336	0.122	bb	25.754	103.01				
6	Dinitrobenzene-d4 (IS)	14.00	1303336	1303336	0.109	bb	0.979	97.91				
7	1,3-Dinitrobenzene	14.14	159469	1303336	0.109	bb	25.552	102.21				
8	Nitrobenzene-d5	15.07	142252	1303336	0.110	bb	25.666	102.66				
9	Nitroglycerin	14.60	23663	1303336	0.018	ds	25.599	102.40				
10	Nitrobenzene	15.34	143330	1303336	0.536	bs	25.488	101.95				
11	2,4,6-Trinitrotoluene	15.84	698460	1303336	0.102	dd	25.721	102.86				
12	4-Amino-2,6-dinitrotoluene	16.74	386341	3801235	0.090	db	26.514	106.06				
13	2-Amino-4,6-dinitrotoluene	17.91	341555	3801235	0.245	bd	25.536	102.15				
14	2,6-Dinitrotoluene	18.06	929604	3801235	0.114	db	25.418	101.67				
15	2,4-Dinitrotoluene-d3 (IS)	18.83	3801235	3801235	0.072	bd	25.501	102.01				
16	2,4-Dinitrotoluene	18.96	431585	3801235	0.026	bb	26.302	105.21				
17	2-Nitrotoluene	21.16	275040	3801235	0.054	dd	25.670	102.68				
18	PETN	20.90	98755	3801235	0.039	db	25.170	100.68				
19	4-Nitrotoluene	22.58	206410	3801235								
20	3-Nitrotoluene	23.89	146941	3801235								

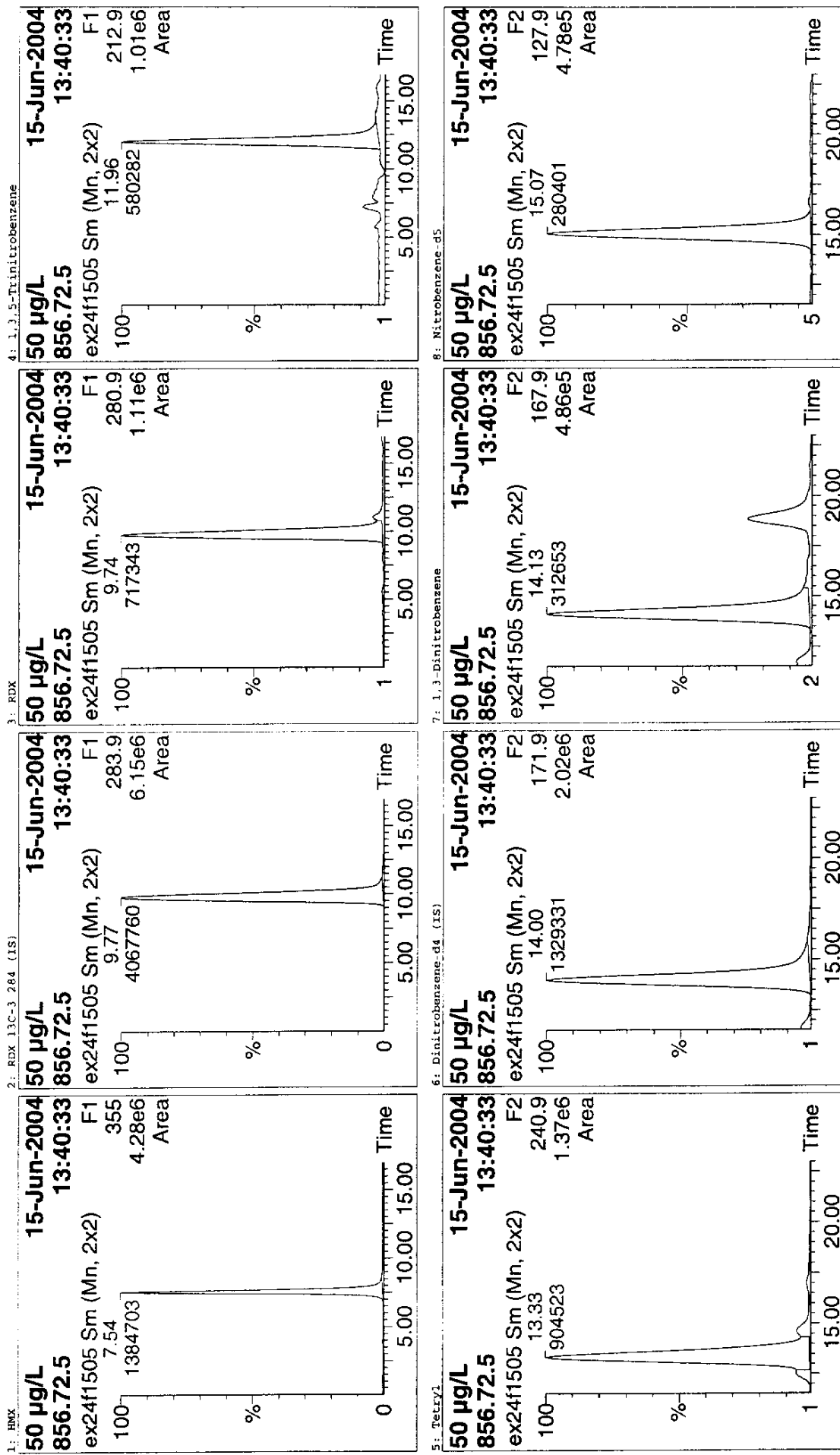
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethodB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1505
Text: 50 µg/L



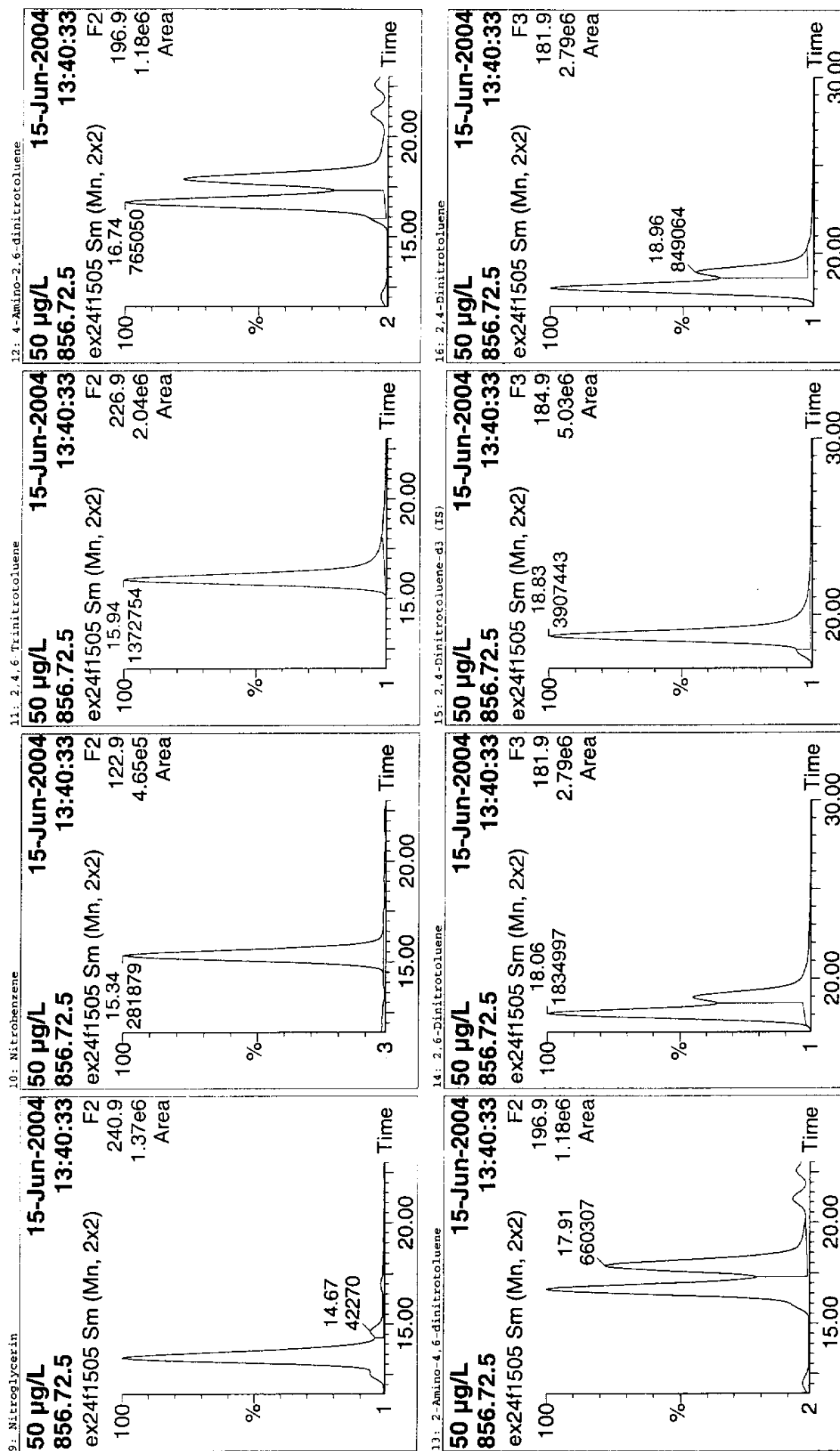
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1505
Text: 50 µg/L



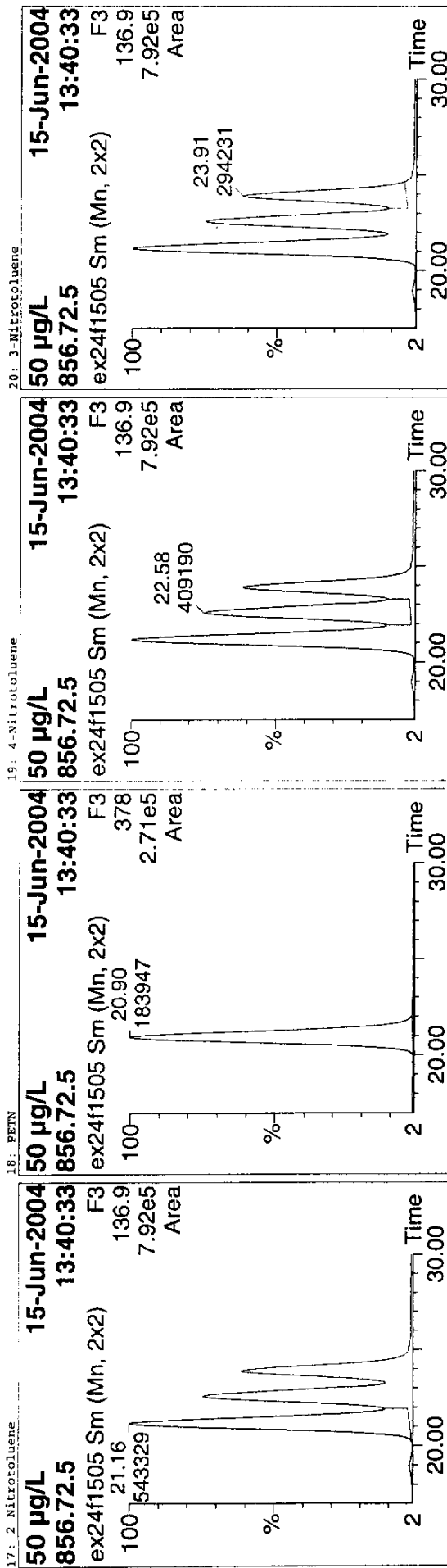
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1505
Text: 50 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1	HMX	7.54	1384703	4067760	0.340	bb	50.683	101.37				
2	RDX 1,3-C 284 (IS)	9.77	4067760	4067759	0.176	bb	1.031	103.08				
3	RDX	9.74	717343	4067760	0.437	bb	53.125	106.25				
4	1,3,5-Trinitrobenzene	11.96	580282	1329331	0.176	bb	51.461	102.92				
5	Tetryl	13.33	904523	1329331	0.680	dd	50.456	100.91				
6	Dinitrobenzene d4 (IS)	14.00	1329331	1329331	0.235	bs	0.999	99.86				
7	1,3-Dinitrobenzene	14.14	312653	1329331	0.211	bb	50.012	100.02				
8	Nitrobenzene-d5	15.07	280401	1329331	0.032	ds	50.746	101.49				
9	Nitroglycerin	14.67	42270	1329331	0.212	bb	52.005	104.01				
10	Nitrobenzene	15.34	281879	1329331	0.196	dd	50.109	100.22				
11	2,4,6-Trinitrotoluene	15.94	1372754	1329331	1.033	bs	50.782	101.56				
12	4-Amino-2,6-dinitrotoluene	16.74	765050	3907443	0.169	db	50.035	100.07				
13	2-Amino-4,6-dinitrotoluene	17.91	660307	3907443	0.470	bd	51.760	103.52				
14	2,6-Dinitrotoluene	18.06	1834997	3907443	0.217	db	50.345	100.69				
15	2,4-Dinitrotoluene	18.83	3907443	3907442	0.139	bd	1.005	100.51				
16	2,4-Dinitrotoluene-d3 (IS)	18.96	849064	3907443	0.047	bb	49.977	99.95				
17	2-Nitrotoluene	21.16	543329	3907443	0.105	dd	50.198	100.40				
18	PETN	20.90	183947	3907443	0.075	db	50.352	100.70				
19	4-Nitrotoluene	22.58	409190	3907443	0.075	db	50.547	101.09				
20	3-Nitrotoluene	23.91	294231	3907443	0.075	db	49.831	99.66				

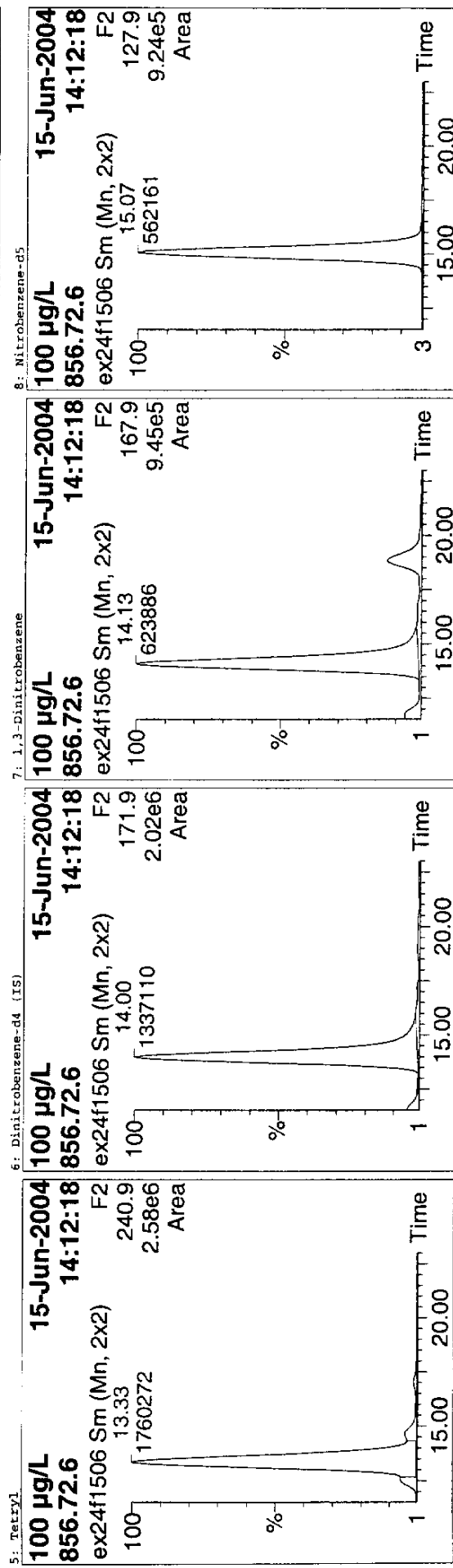
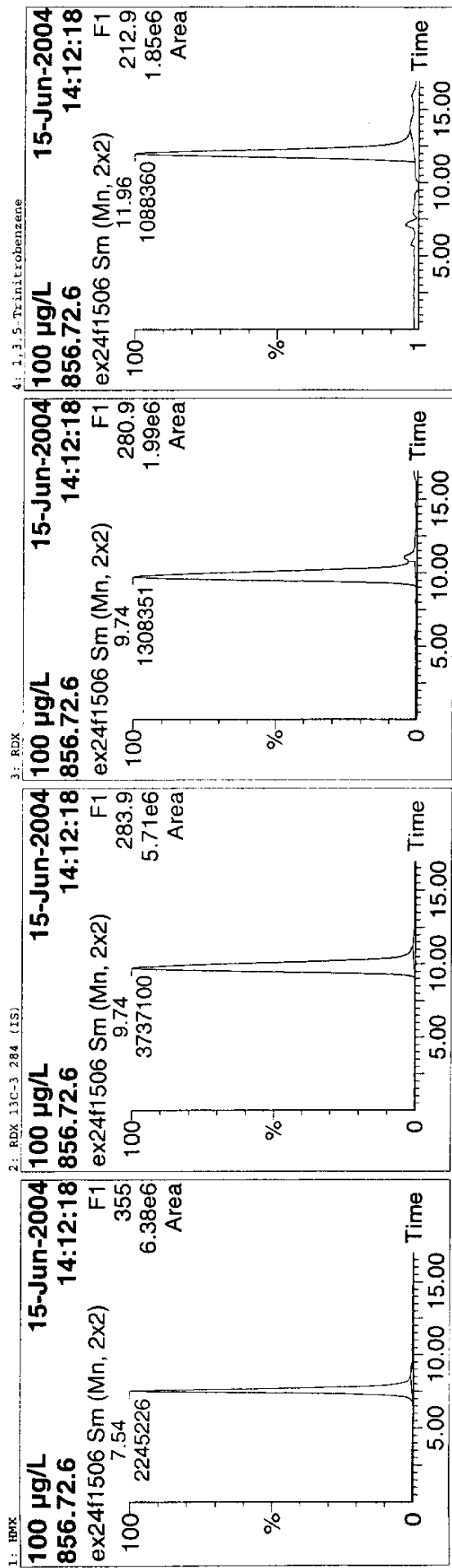
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1506
Text: 100 µg/L



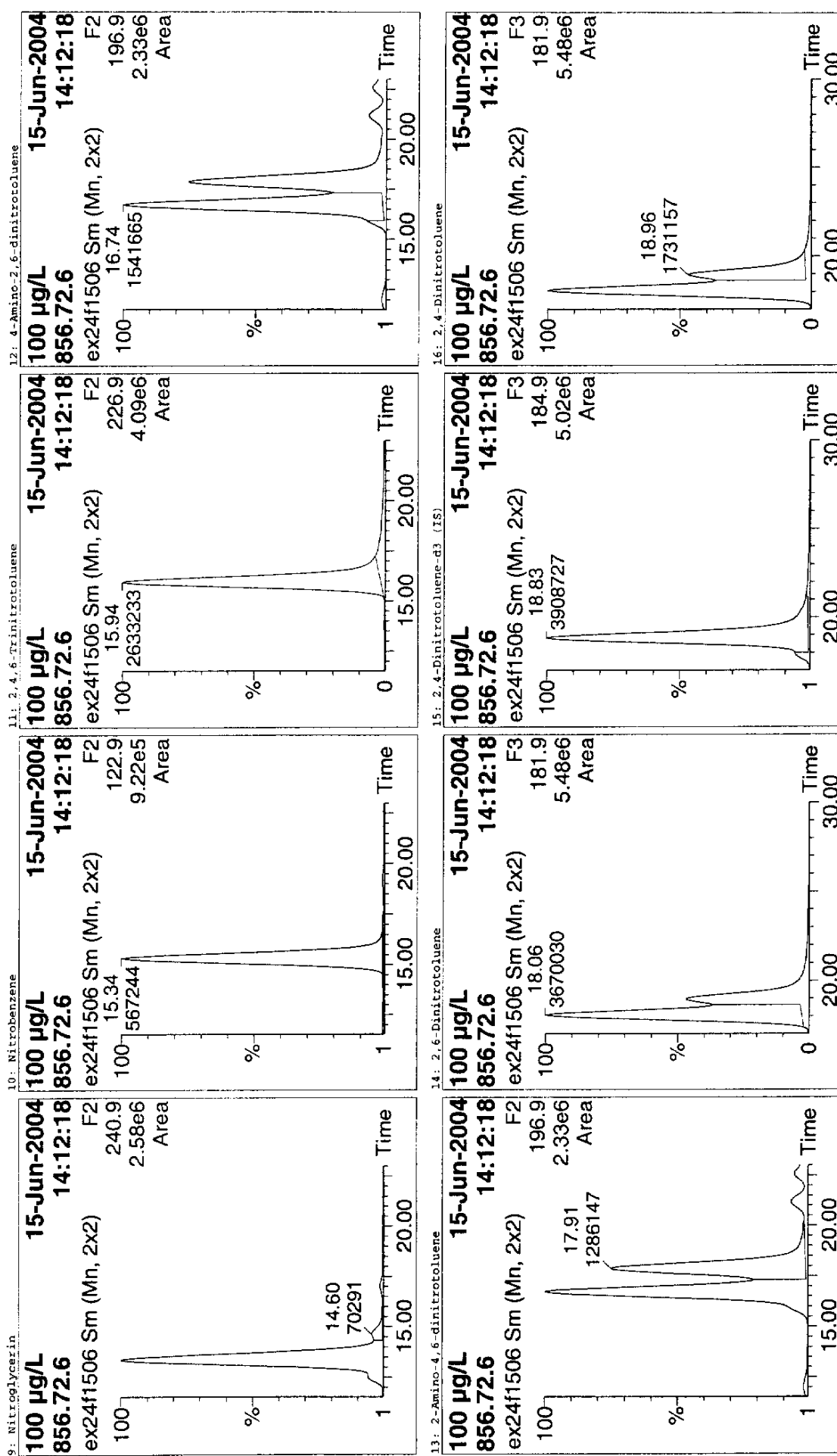
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1506
Text: 100 µg/L



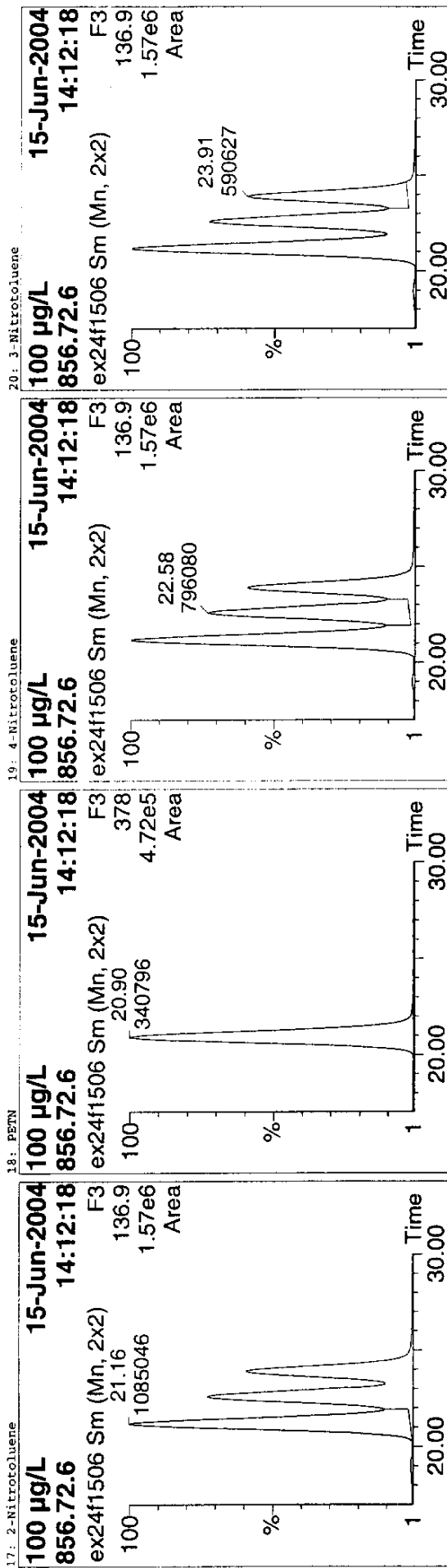
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masalyn\Explosives_PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masalyn\Explosives_PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1506
Text: 100 µg/L



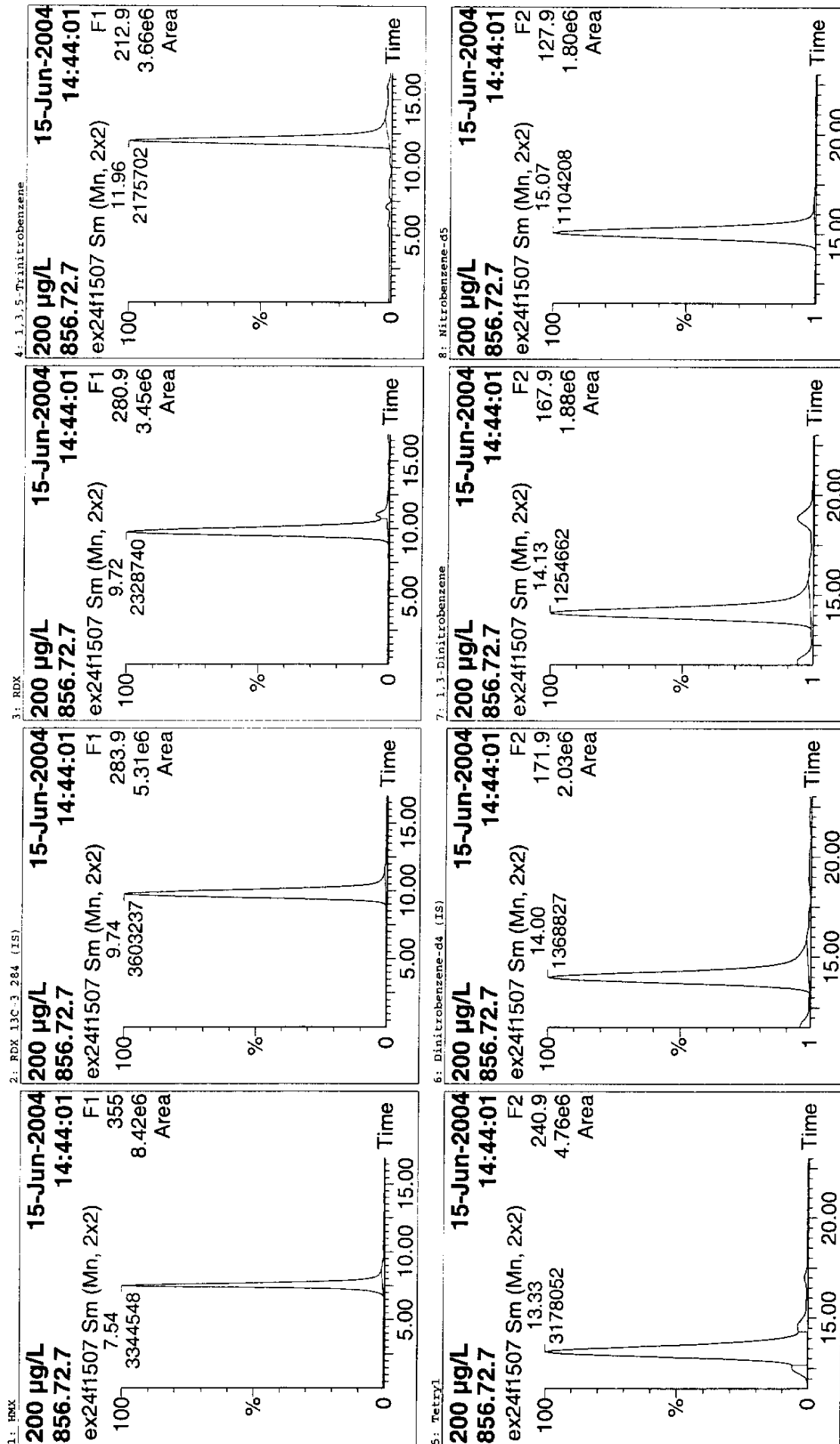
# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1 RDX	7.54	2245226	3737100	0.601	bb	101.412	101.41		
2 RDX 13C-3 284 (IS)	9.74	3737100	3737099	..	bb	0.947	94.70		
3 RDX	9.74	1308351	3737100	0.350	bd	107.819	107.82		
4 1,3,5-Trinitrobenzene	11.96	1088360	1337110	0.814	bb	99.785	99.78		
5 Tetral	13.33	1760272	1337110	1.316	dd	102.957	102.96		
6 Dinitrobenzene-d4 (IS)	14.00	1337110	1337109	..	bb	1.004	100.45		
7 1,3-Dinitrobenzene	14.14	623886	1337110	0.467	bb	100.172	100.17		
8 Nitrobenzene-d5	15.07	562161	1337110	0.420	bb	102.365	102.37		
9 Nitroglycerin	14.60	70291	1337110	0.053	ds	96.917	96.92		
10 Nitrobenzene	15.34	567244	1337110	0.424	bb	101.289	101.29		
11 2,4,6-Trinitrotoluene	15.94	2633233	1337110	1.969	bb	98.035	98.03		
12 4-Amino-2,6-dinitrotoluene	16.74	1541665	3908727	0.394	dd	102.032	102.03		
13 2-Amino-4,6-dinitrotoluene	17.91	1286147	3908727	0.329	db	102.825	102.83		
14 2,6-Dinitrotoluene	18.03	3670030	3908727	0.939	bd	102.076	102.08		
15 2,4-Dinitrotoluene-d3 (IS)	18.83	3908727	3908727	..	ds	1.005	100.55		
16 2,4-Dinitrotoluene	18.96	1731157	3908727	0.443	db	103.375	103.37		
17 2-Nitrotoluene	21.16	1085046	3908727	0.278	bd	101.501	101.50		
18 PETN	20.90	340796	3908727	0.087	bb	99.830	99.82		
19 4-Nitrotoluene	22.58	796080	3908727	0.204	dd	99.367	99.37		
20 3-Nitrotoluene	23.91	590627	3908727	0.151	db	100.848	100.85		

Analyst: Steve Cowling

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1507
Text: 200 µg/L

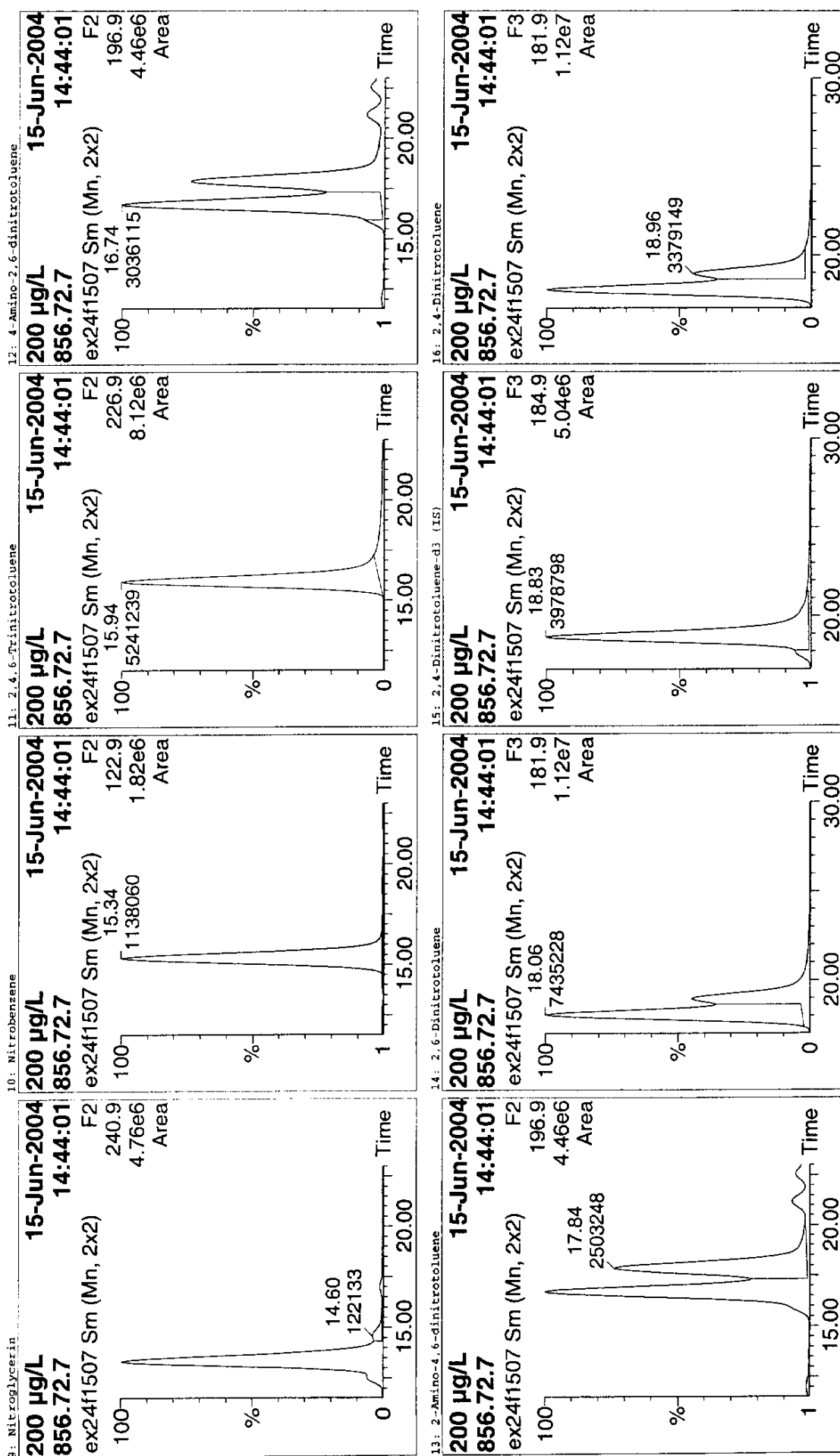


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1507
Text: 200 µg/L



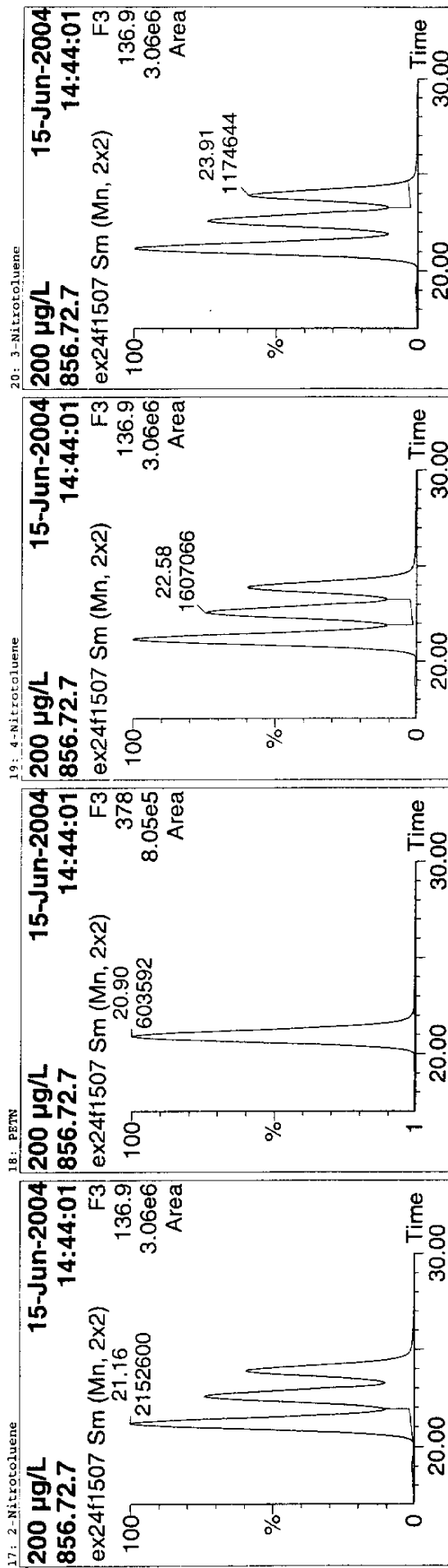
Analyst: Steve Cowling

Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Job Code: Last modified: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1507
Test: 200 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod. Date	Mod. Comment
1	HMX	7.54	334548	3603237	0.928	bb	182.423	91.21		
2	RDX 13C-3 284 (IS)	9.74	3603237	3603236..	bb		0.913	91.31		
3	RDX	9.72	2128740	3603237	0.646	bd	201.057	100.53		
4	1,3,5-Trinitrobenzene	11.96	2175702	1368827	1.589	bb	198.271	99.14		
5	Tetryl	13.33	3178052	1368827	2.322	dd	191.838	95.92		
6	Dinitrobenzene-d4 (IS)	14.00	1368827	1368827	1.028	dd	102.83			
7	1,3-Dinitrobenzene	14.14	1254662	1368827	0.917	bb	197.719	98.86		
8	Nitrobenzene-d5	15.07	1104208	1368827	0.807	bb	197.536	98.77		
9	Nitroglycerin	14.60	122133	1368827	0.089	ds	202.070	101.03		
10	Nitrobenzene	15.34	1138060	1368827	0.831	bb	198.503	98.75		
11	2,4,6-Trinitrotoluene	15.94	5241239	1368827	3.829	bb	191.850	95.92		
12	4-Amino-2,6-dinitrotoluene	16.74	3036115	3978798	0.763	dd	198.542	99.27		
13	2-Amino-4,6-dinitrotoluene	17.84	2503248	3978798	0.629	db	198.570	99.28		
14	2,6-Dinitrotoluene	18.06	7435228	3978798	1.869	bd	204.564	102.28		
15	2,4-Dinitrotoluene-d3 (IS)	18.83	3978798	3978798..	ds		1.023	102.35		
16	2,4-Dinitrotoluene	18.96	3179149	3978798	0.849	db	199.565	99.78		
17	2-Nitrotoluene	21.16	2152600	3978798	0.541	bd	199.046	99.52		
18	PETN	20.90	603592	3978798	0.152	bb	194.581	97.29		
19	4-Nitrotoluene	22.58	1607066	3978798	0.404	dd	198.166	99.08		
20	3-Nitrotoluene	23.91	1174644	3978798	0.295	db	197.841	98.92		

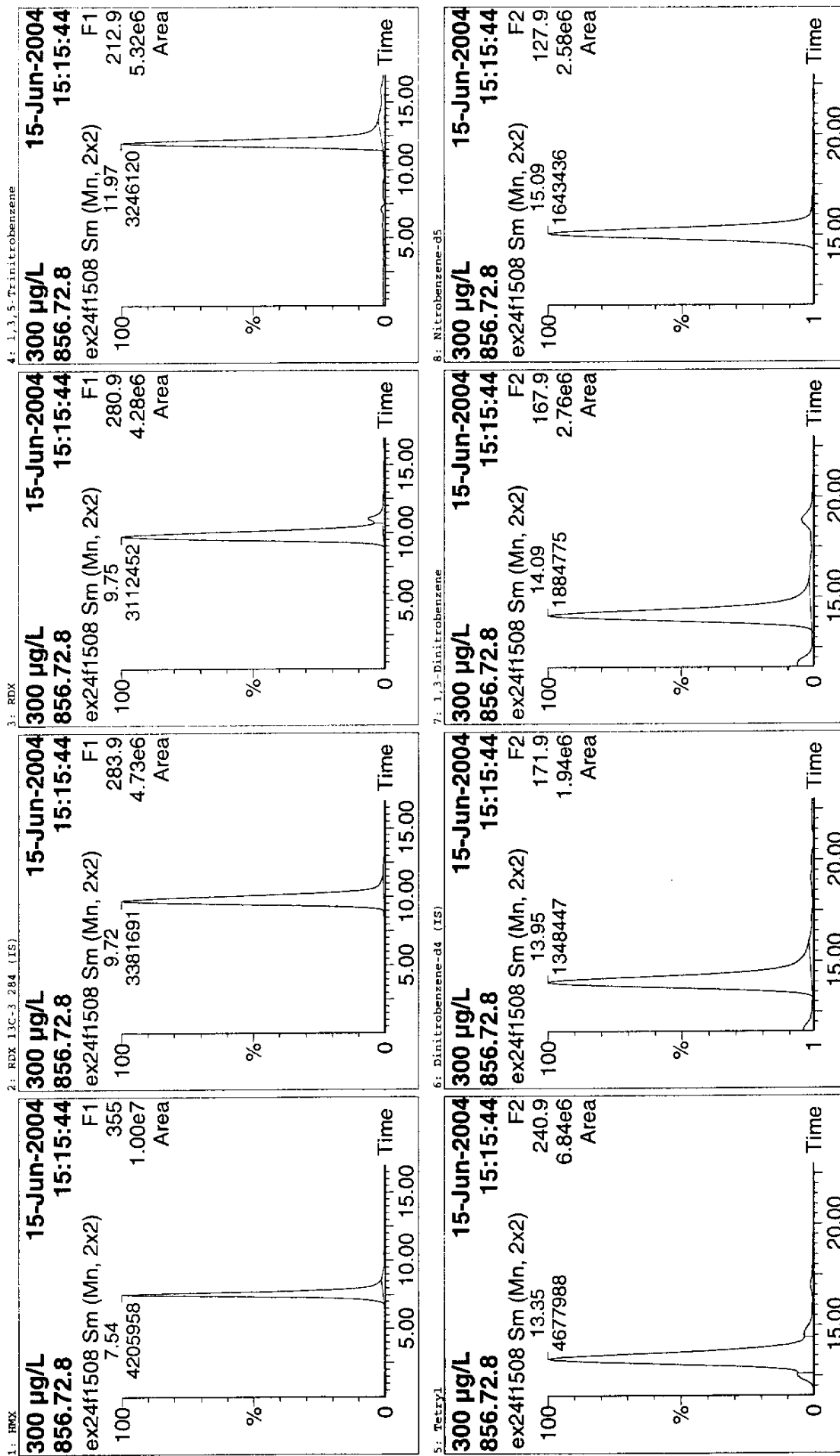
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:06:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1508
Text: 300 µg/L



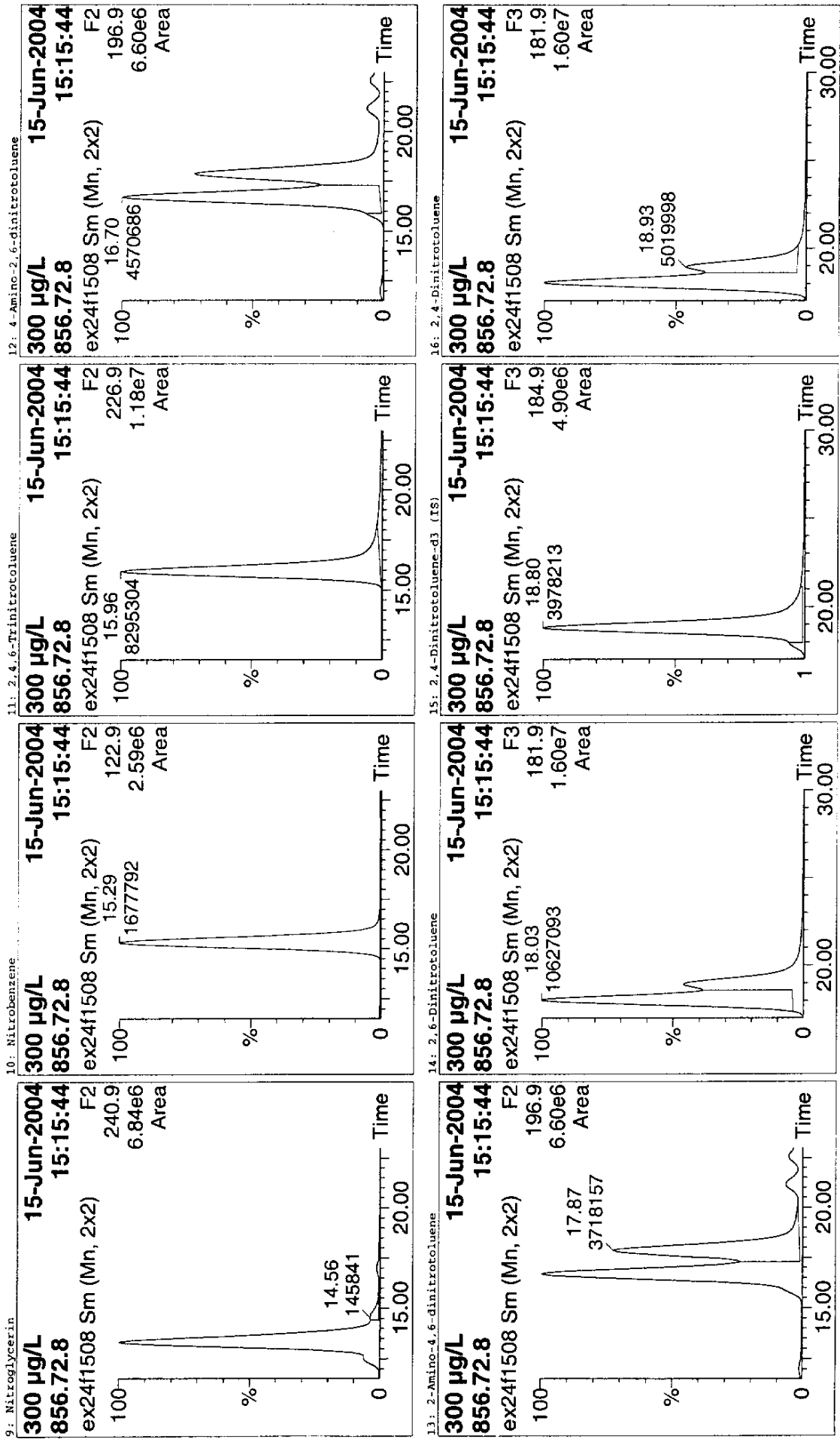
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1508
Text: 300 µg/L



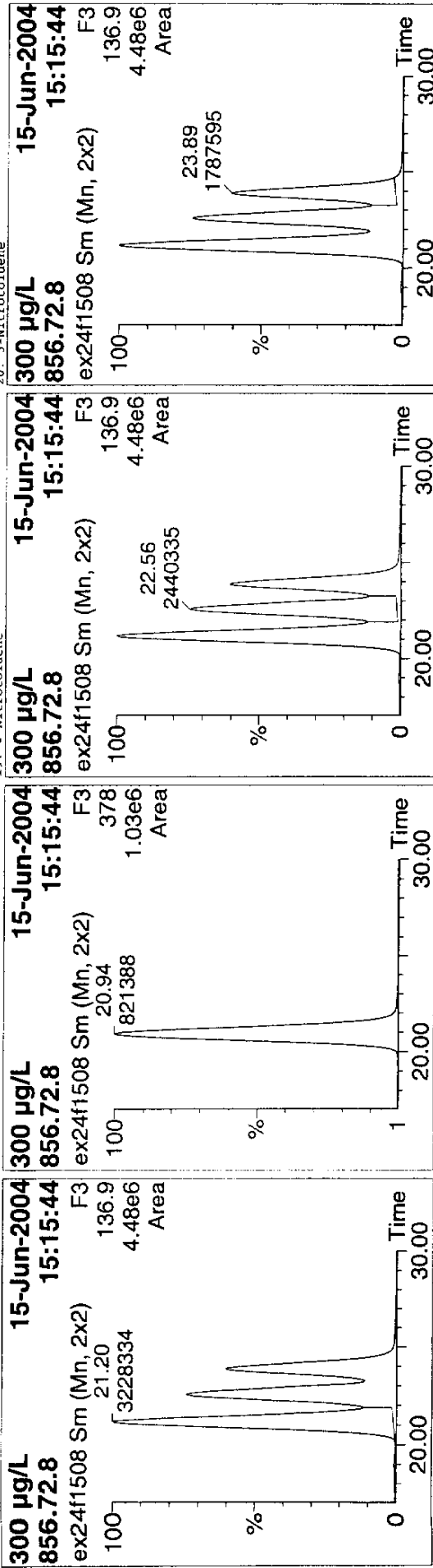
Analyst: Steve Cowling

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1508
Text: 300 µg/L

17: 2-Nitrotoluene



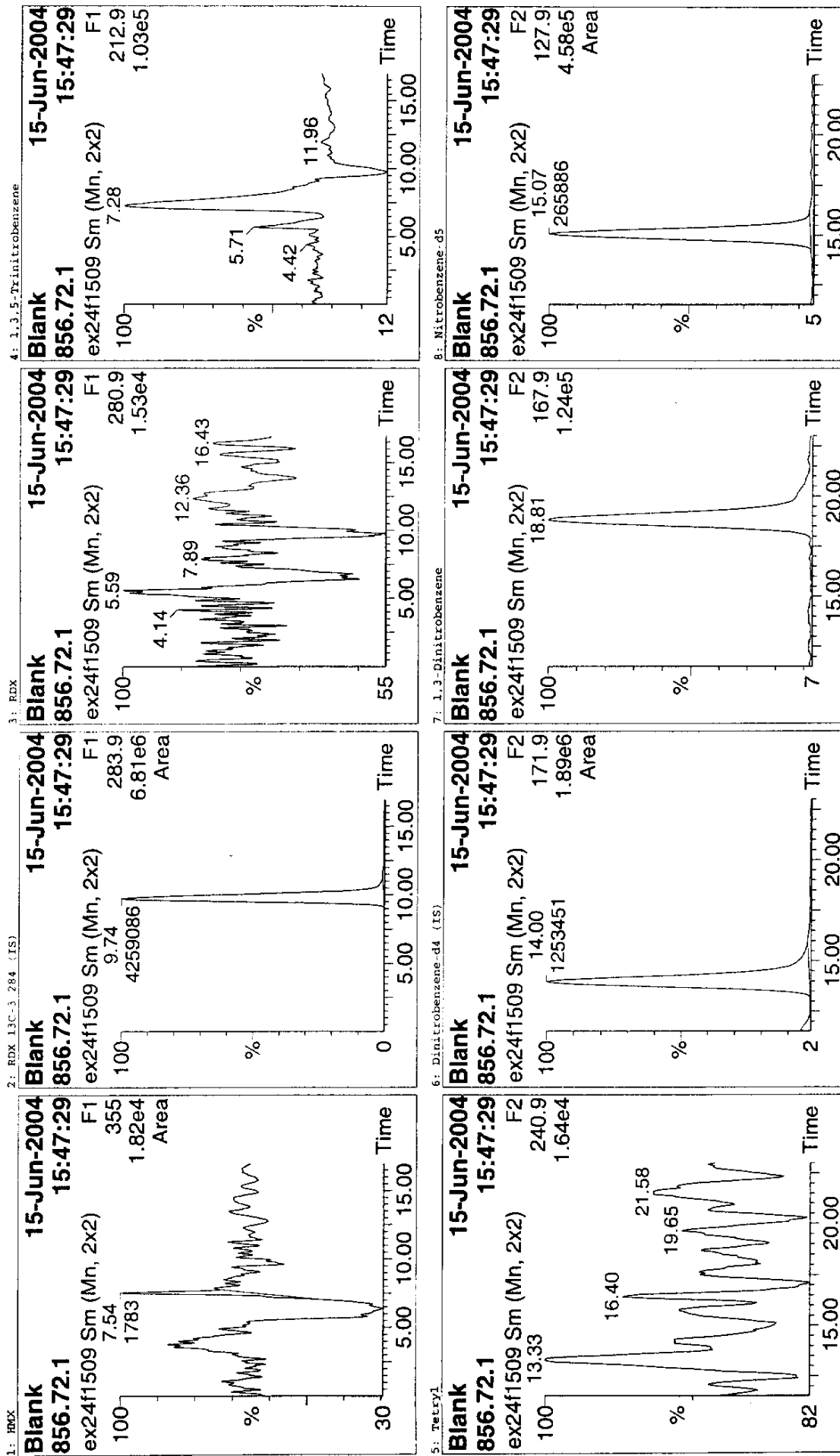
# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1 HMX	7.54	4205958	3381691	1.244	bb	328.431	109.48				
2 RDX 13C-3 284 (IS)	9.72	3381691	3381691	0.920	bb	0.857	85.70				
3 RDX	9.75	3112452	3381691	0.920	bb	287.338	95.78				
4 1,3,5-Trinitrobenzene	11.97	3246120	1348447	2.407	bb	301.000	100.33				
5 Tetryl	13.35	4677988	1348447	3.469	dd	304.759	101.59				
6 Dinitrobenzene-d4 (IS)	13.95	1348447	1348447	1.013	bb	1.013	101.30				
7 1,3-Dinitrobenzene	14.09	1884775	1348447	1.398	bb	302.015	100.67				
8 Nitrobenzene-d5	15.09	1643436	1348447	1.219	bb	299.071	99.69				
9 Nitroglycerin	14.56	145841	1348447	0.108	ds	299.095	99.70				
10 Nitrobenzene	15.29	167792	1348447	1.244	bb	299.079	99.69				
11 2,4,6-Trinitrotoluene	15.96	8295104	1348447	6.152	bs	309.026	103.01				
12 4-Amino-2,6-dinitrotoluene	16.70	4570686	3978213	1.149	dd	299.555	99.85				
13 2-Amino-4,6-dinitrotoluene	17.87	3718157	3978213	0.935	ds	296.031	98.68				
14 2,6-Dinitrotoluene	18.02	10627093	3978213	2.671	bd	293.034	97.68				
15 2,4-Dinitrotoluene d3 (IS)	18.80	3978213	3978213	1.023	ds	1.023	102.33				
16 2,4-Dinitrotoluene	18.93	5019998	3978213	1.262	ds	297.220	99.07				
17 2-Nitrotoluene	21.20	3228334	3978213	0.812	bd	299.207	99.74				
18 PETN	20.94	821388	3978213	0.206	bb	305.074	101.69				
19 4-Nitrotoluene	22.56	2440335	3978213	0.613	dd	301.542	100.51				
20 3-Nitrotoluene	23.89	1787595	3978213	0.449	ds	301.564	100.52				

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1509
Test: Blank

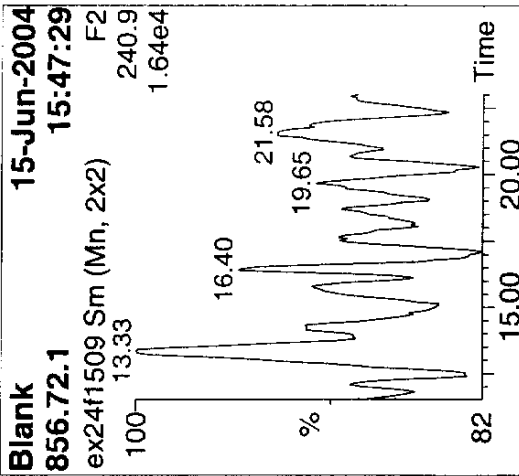


Analyst: Steve Cowling

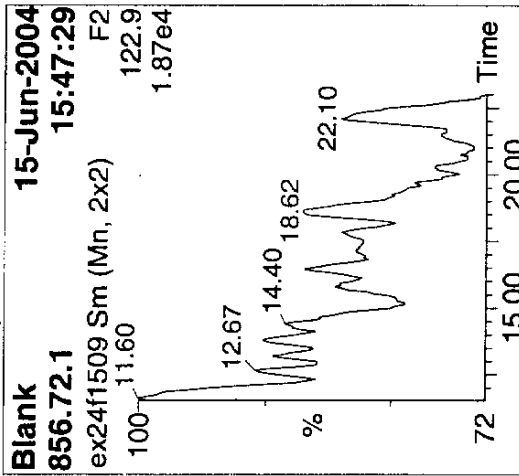
Sample list: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f15
Job Code:
Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1509
Text: Blank

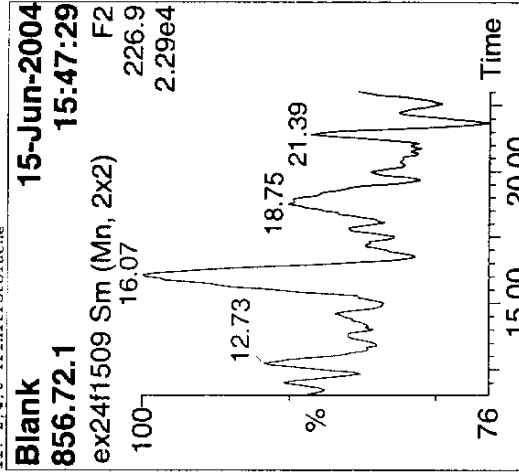
9: Nitroglycerin



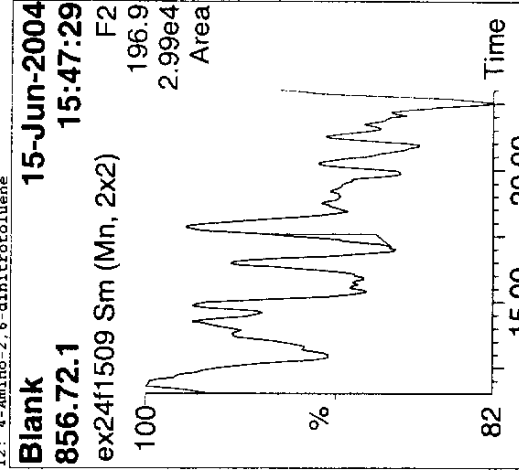
10: Nitrobenzene



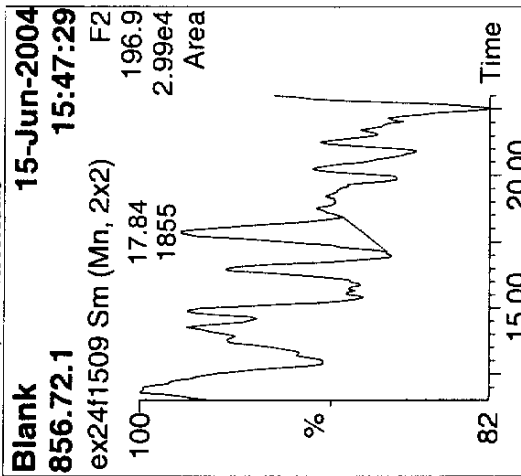
11: 2,4,6-Trinitrotoluene



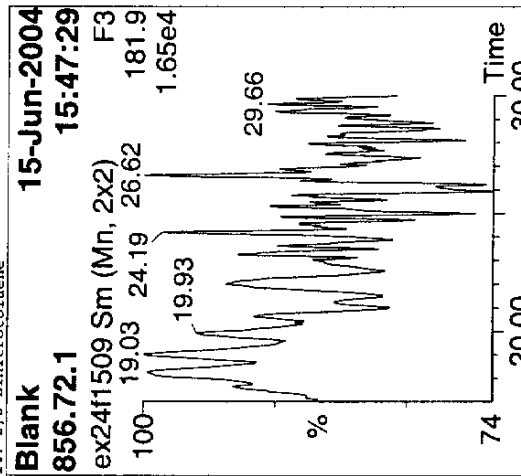
12: 4-Amino-2,6-dinitrotoluene



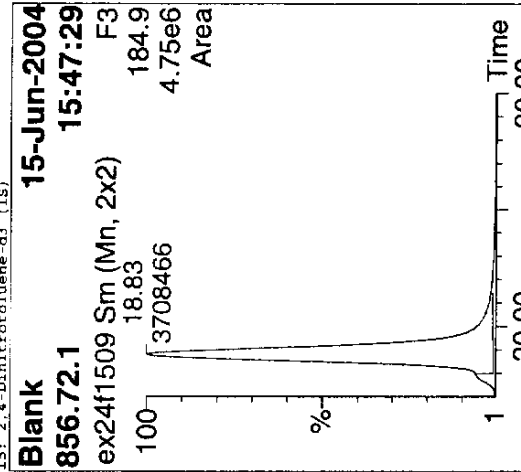
13: 2-Amino 4,6-dinitrotoluene



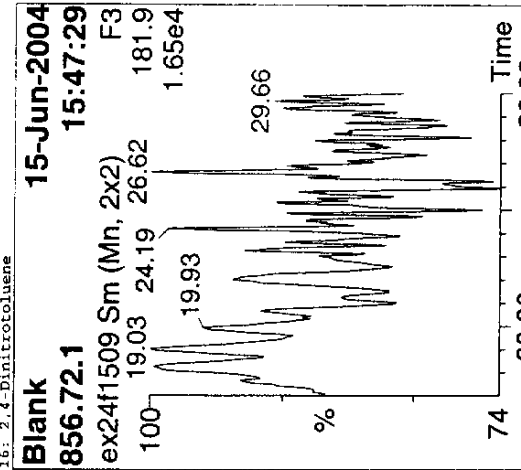
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene

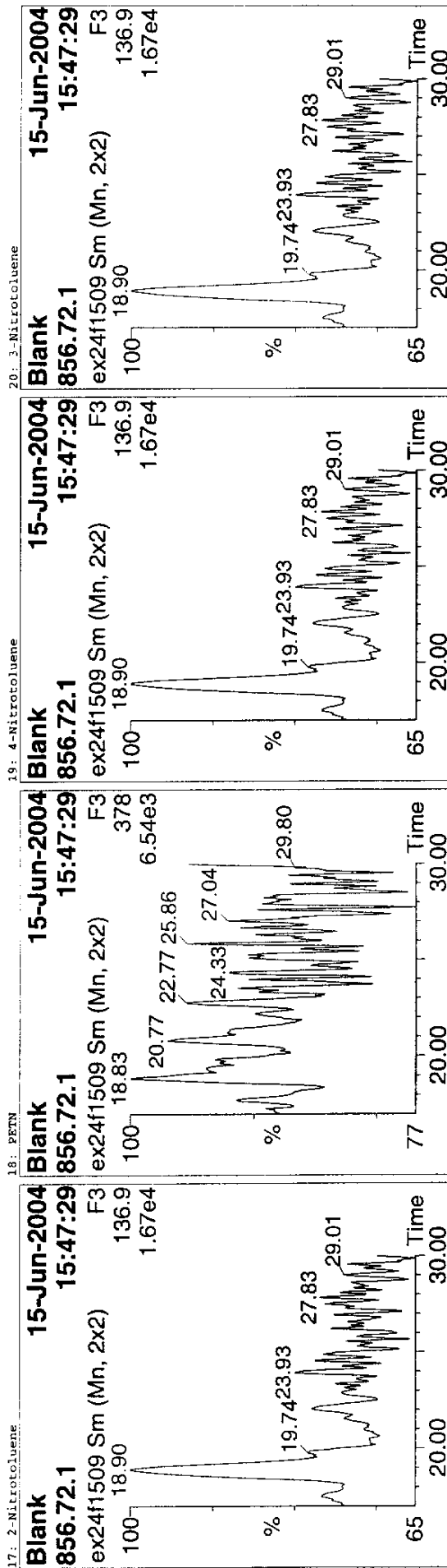


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1509
Text: Blank



# Name	RT	Area	IS Area	Response	Flags	Result	%Mac	Mod.	Date	Mod.	Comment
1 HMX	7.54	1783	4259086	0.000	bb	0.000					
2 RDX 13C-3 284 (IS)	9.74	4259086	4259086	1.079	bb	1.079	107.93				
3 RDX			4259086								
4 1,3,5-Trinitrobenzene			1253451								
5 Tetrayl			1253451								
6 Dinitrobenzene-d4 (IS)	14.00	1253451	1253451	0.942	bb	0.942	94.16				
7 1,3-Dinitrobenzene			1253451								
8 Nitrobenzene-d5	15.07	265886	1253451	0.212	bb	51.039	102.08				
9 Nitroglycerin			1253451								
10 Nitrobenzene			1253451								
11 2,4,6-Trinitrotoluene			1253451								
12 4-Amino-2,6-dinitrotoluene	17.58	347	3708466	0.000	bd	0.000					
13 2-Amino-4,6-dinitrotoluene	17.84	1855	3708466	0.001	bb	0.000					
14 2,6-Dinitrotoluene			3708466								
15 2,4-Dinitrotoluene-d3 (IS)			3708466								
16 2,4-Dinitrotoluene	18.83	3708466	3708466	0.954	ds	0.954	95.39				
17 2-Nitrotoluene			3708466								
18 PETN			3708466								
19 4-Nitrotoluene			3708466								
20 3-Nitrotoluene			3708466								

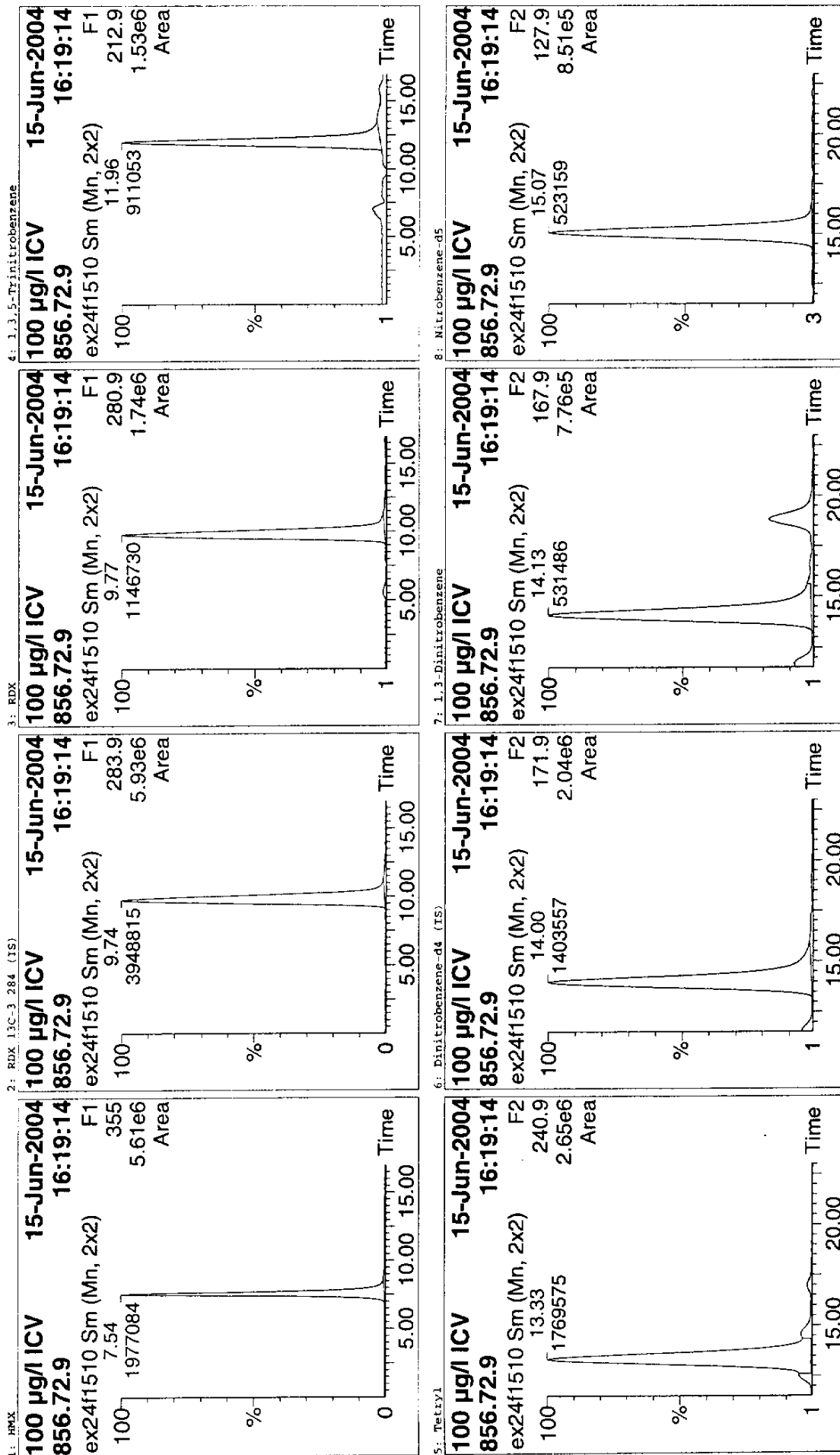
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1510
Text: 100 ug/l ICV

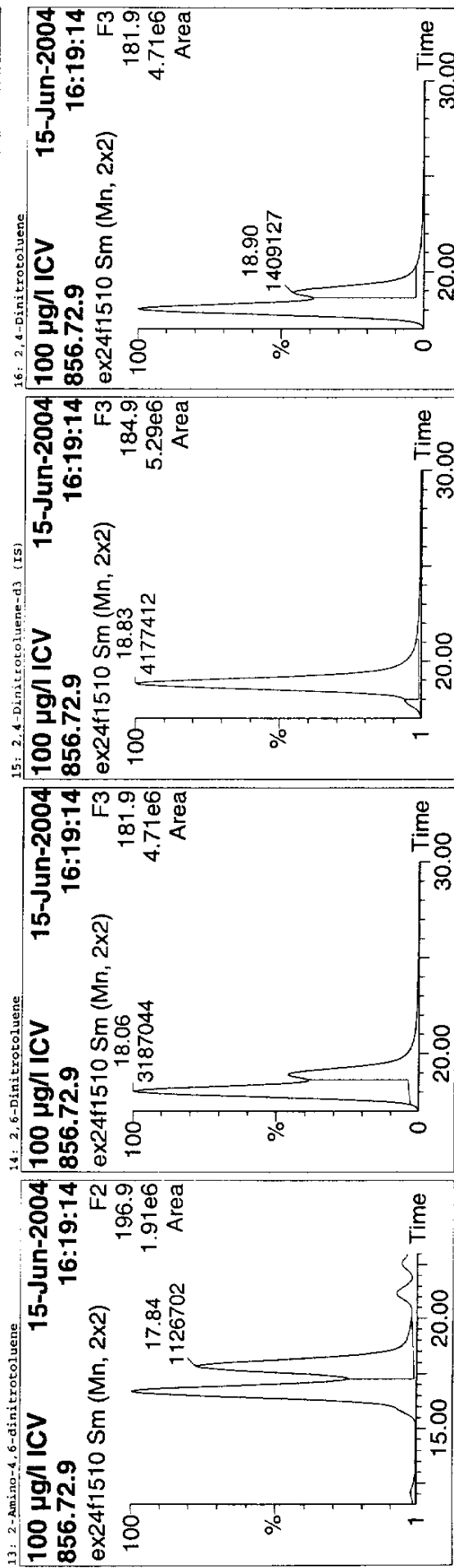
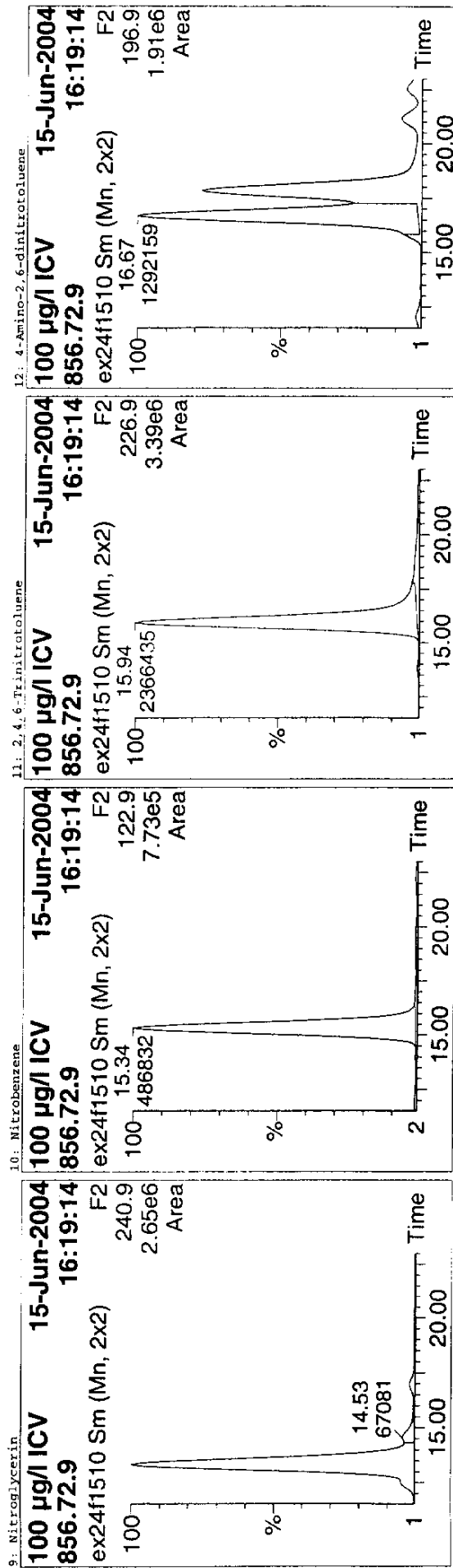


Analyst: Steve Cowling

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15 (1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1510
Text: 100 µg/1 ICV

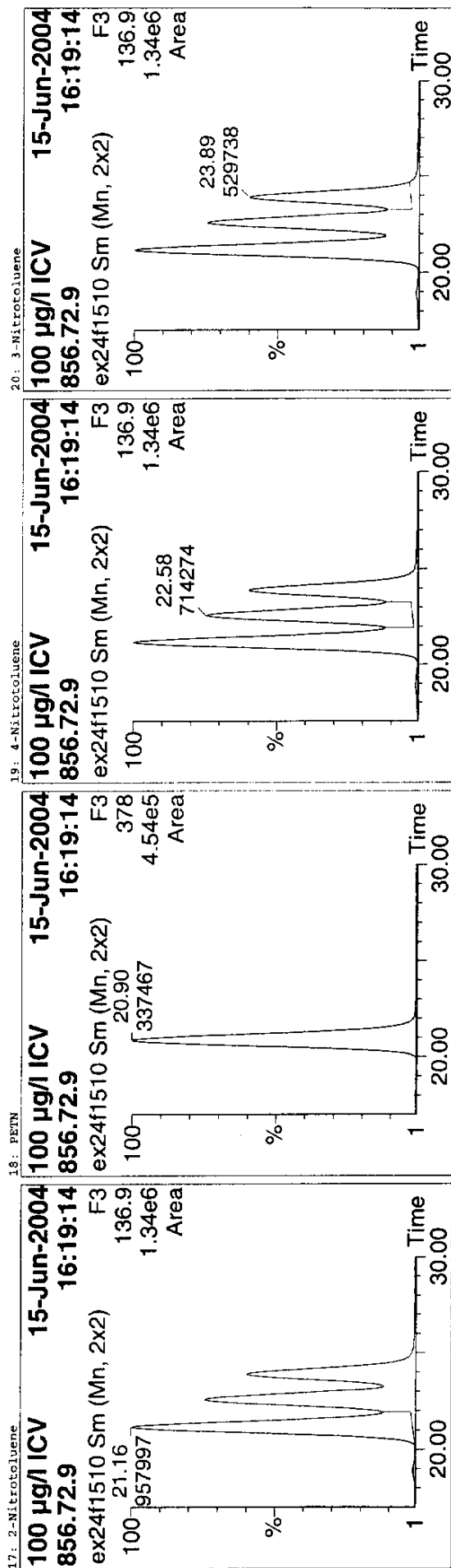


Quantify Sample Report Explosives Analysis

Sample list: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1510
Test: 100 µg/l ICV



#	Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod. Date	Mod. Comment
1	HMX	7.54	1977084	3948815	0.501	bb	80.907	80.91		
2	RDX 13C-3 284 (IS)	9.74	3948815	3948815	0.290	bb	1.001	100.07		
3	RDX	9.77	1146730	3948815	0.290	bb	89.027	89.03		
4	1,3,5-Trinitrobenzene	11.96	911053	1403557	0.649	bb	78.709	78.71		
5	Tetryl	13.33	1769575	1403557	1.261	dd	98.254	98.25		
6	Dinitrobenzene-d4 (IS)	14.00	1403557	1403557	0.379	bs	1.054	105.44		
7	1,3-Dinitrobenzene	14.14	531486	1403557	0.379	bs	81.113	81.11		
8	Nitrobenzene-d5	15.07	523159	1403557	0.373	bb	90.614	90.61		
9	Nitroglycerin	14.53	67081	1403557	0.048	ds	85.980	85.98		
10	Nitrobenzene	15.34	486832	1403557	0.347	bb	82.626	82.63		
11	2,4,6-Trinitrotoluene	15.94	2368435	1403557	1.686	bs	83.742	83.74		
12	4-Amino-2,6-dinitrotoluene	16.67	1292159	4177412	0.309	dd	79.755	79.76		
13	2-Amino-4,6-dinitrotoluene	17.84	1126702	4177412	0.270	db	83.896	83.90		
14	2,4-Dinitrotoluene	18.06	3187044	4177412	0.763	bd	82.675	82.68		
15	2,4-Dinitrotoluene-d3 (IS)	18.83	4177412	4177412	1.075	ds	1.075	107.46		
16	2,4-Dinitrotoluene	18.90	1409127	4177412	0.337	db	78.386	78.39		
17	2-Nitrotoluene	21.16	957997	4177412	0.229	bd	83.628	83.63		
18	PETN	20.90	337467	4177412	0.081	bb	91.542	91.54		
19	4-Nitrotoluene	22.58	714274	4177412	0.171	dd	83.242	83.24		
20	3-Nitrotoluene	23.89	529738	4177412	0.127	db	84.497	84.50		

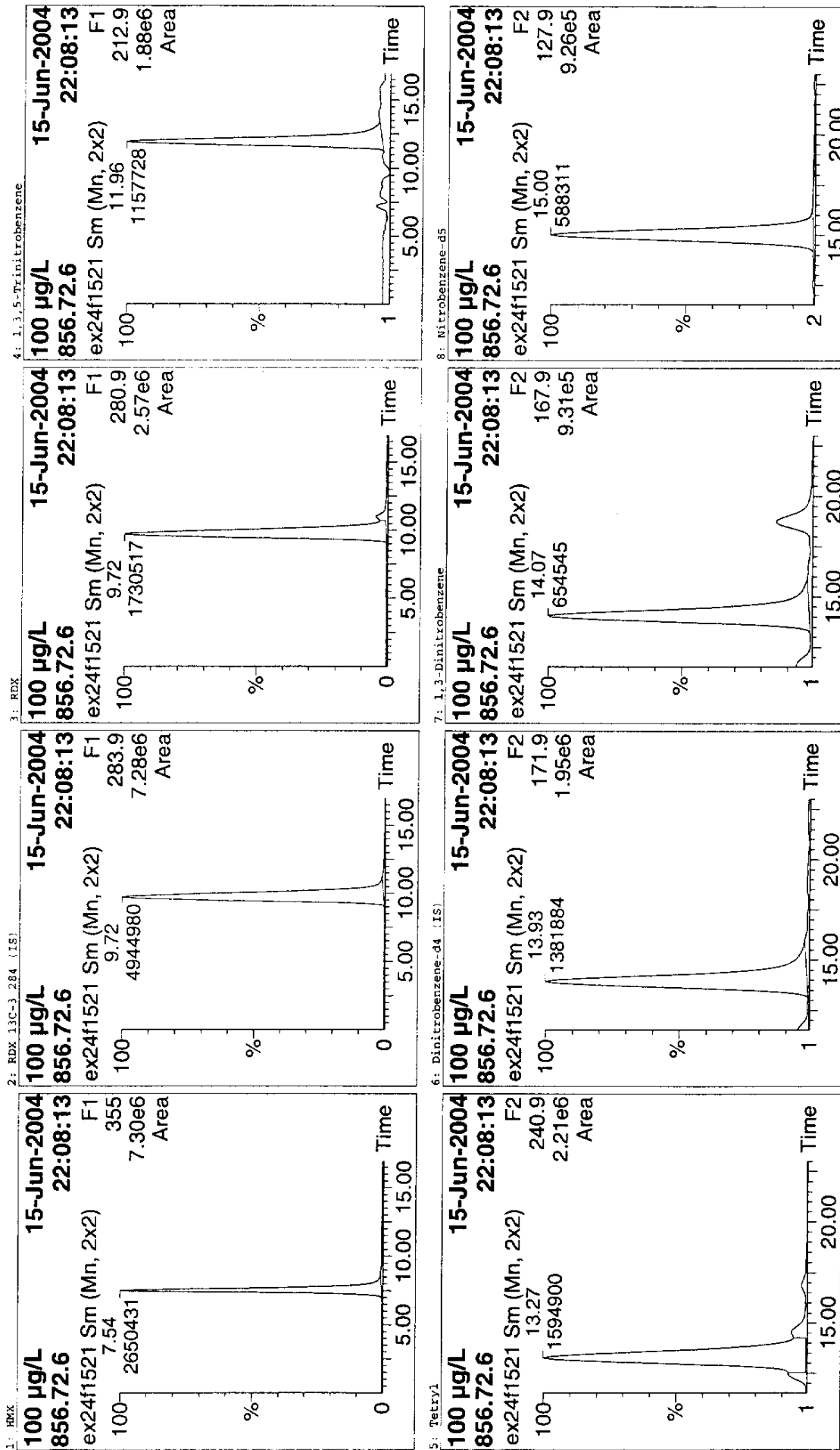
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1521
Text: 100 µg/L



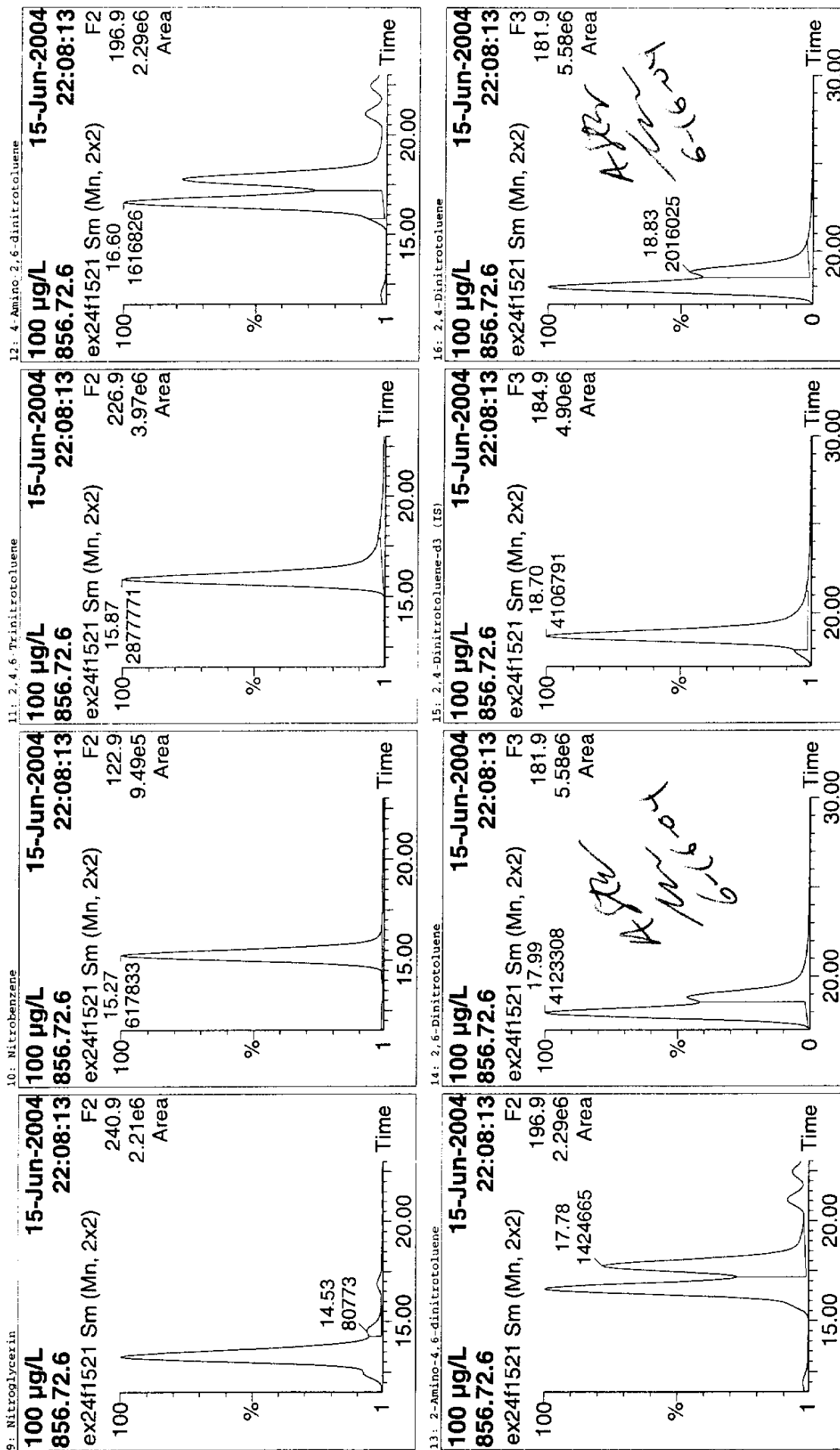
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1521
Test: 100 µg/L



Analyst: Steve Cowling

100 µg/L

856.72.6

ex24f1521 Sm (Mn, 2x2)

17.99

3733736

15-Jun-2004

22:08:13

3: SIR of 4 Channels AP-

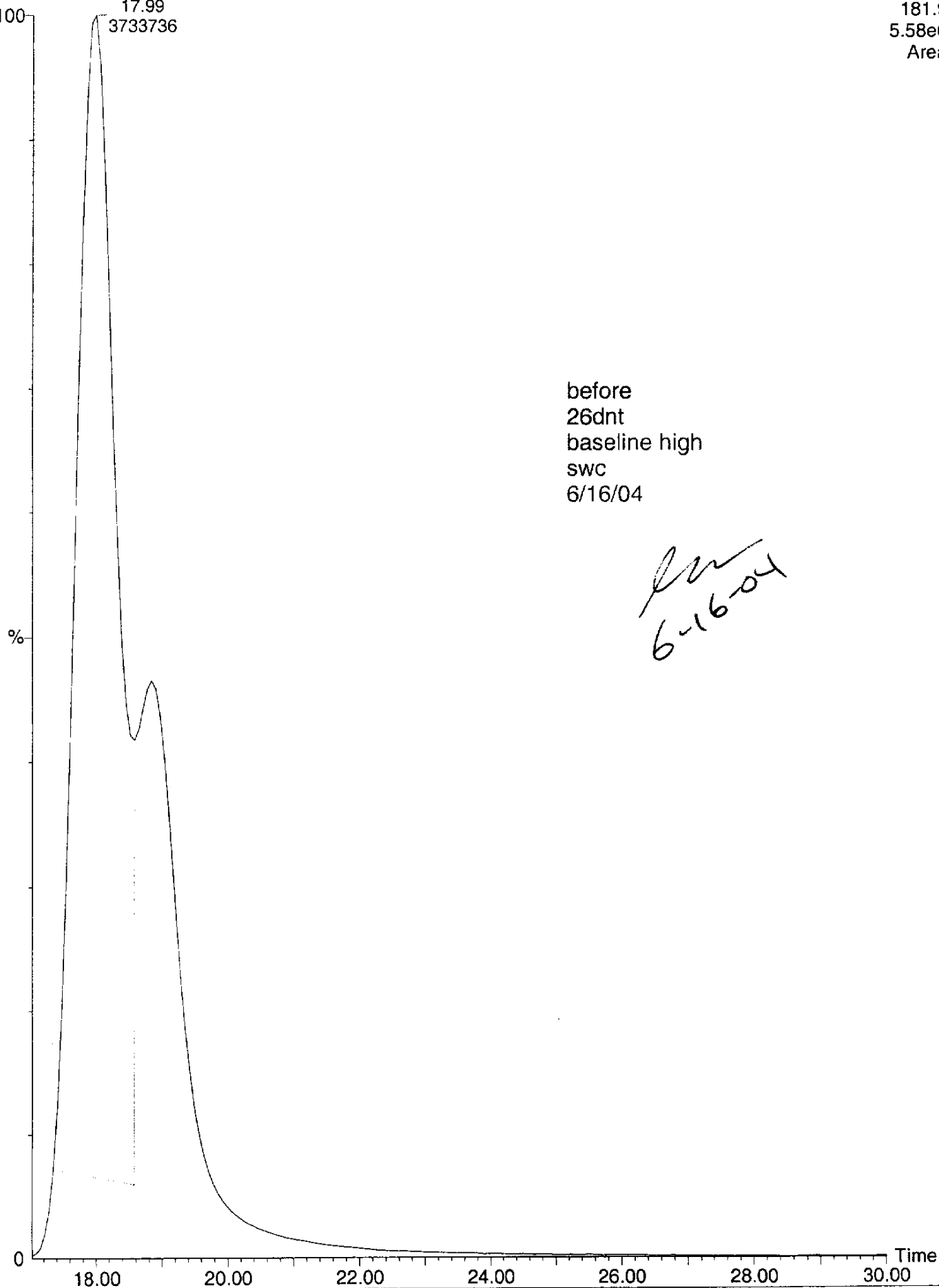
181.9

5.58e6

Area

before
26dnt
baseline high
SWC
6/16/04

SW
6-16-04



100 µg/L

856.72.6

ex24f1521 Sm (Mn, 2x2)

15-Jun-2004

22:08:13

3: SIR of 4 Channels AP-

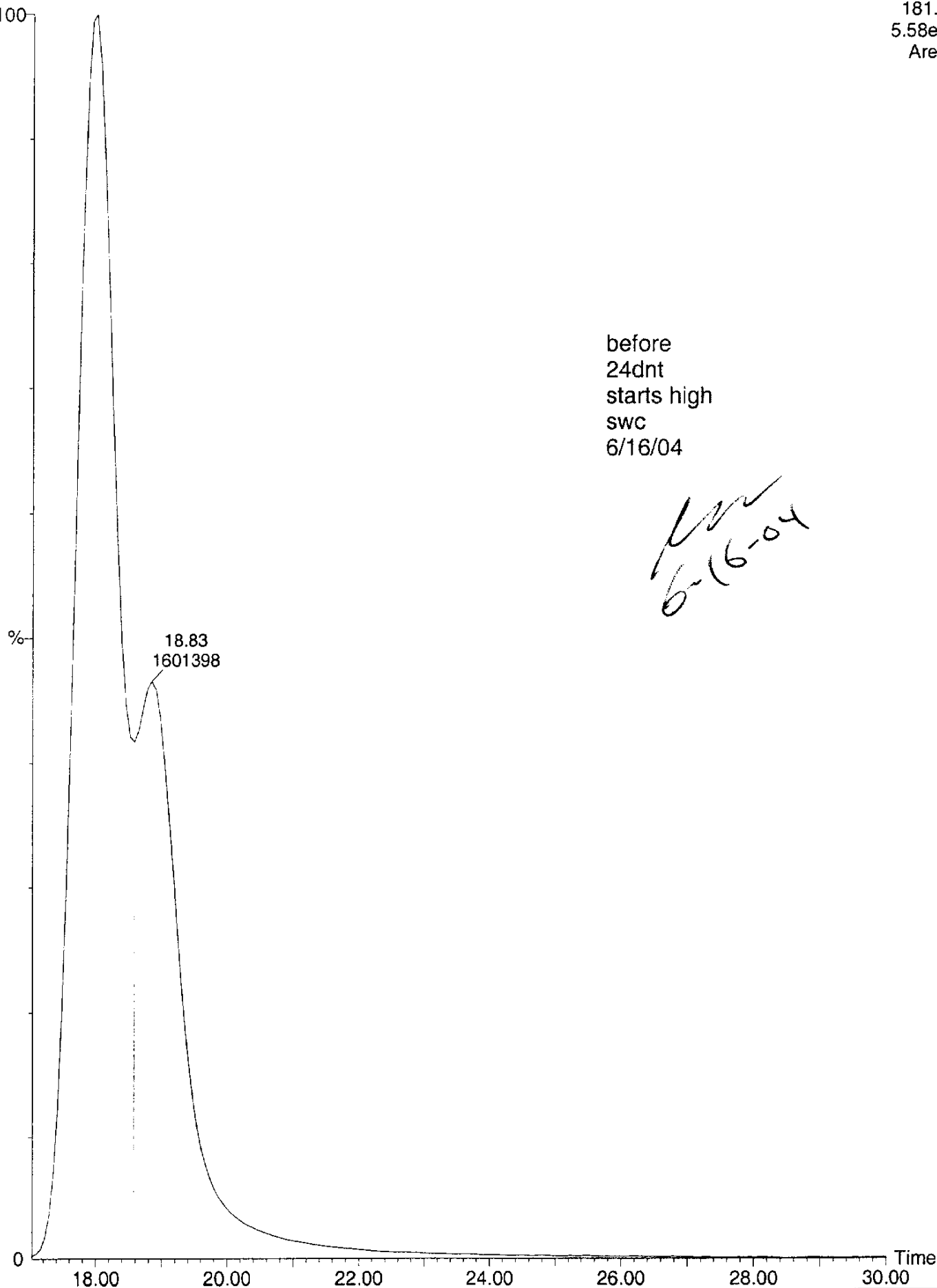
181.9

5.58e6

Area

before
24dnt
starts high
swc
6/16/04

Handwritten signature
6-16-04

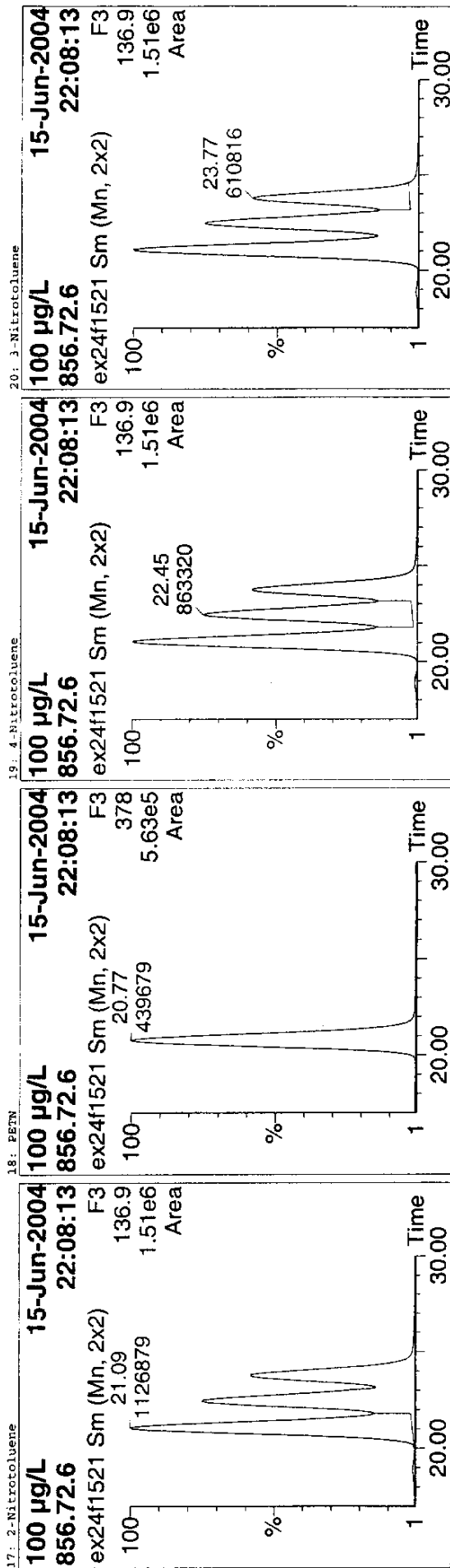


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives PRO\MethDB\ex24f15
Job Code: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1521
Text: 100 µg/L



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod. Date	Mod. Comment
1	HMX	7.54	2650431	4944980	0.536	bb	87.977	87.98		
2	RDX 13C-3 284 (IS)	9.72	4944980	4944979	0.350	bb	1.253	125.31		
3	RDX	9.72	1730517	1381884	0.838	bb	107.774	107.77		
4	1,3,5-Trinitrobenzene	11.96	1157728	1381884	0.838	bb	102.826	102.83		
5	Tetryl	13.27	1594900	1381884	1.154	dd	89.309	89.31		
6	Dinitrobenzene-d4 (IS)	13.93	1381884	1381883	0.474	bb	1.038	103.81		
7	1,3-Dinitrobenzene	14.07	654545	1381884	0.426	bb	101.704	101.70		
8	Nitrobenzene-d5	15.00	588311	1381884	0.058	ds	103.671	103.67		
9	Nitroglycerin	14.53	80773	1381884	0.447	bb	110.998	111.00		
10	Nitrobenzene	15.27	617833	1381884	2.082	bs	106.804	106.80		
11	2,4,6-Trinitrotoluene	15.87	2877771	1381884	0.394	dd	103.743	103.74		
12	4-Amino-2,6-dinitrotoluene	16.60	1616826	4106791	0.347	db	101.844	101.84		
13	2-Amino-4,6-dinitrotoluene	17.78	1424665	4106791	1.004	MM	108.523	108.52		
14	2,6-Dinitrotoluene	17.99	4123308	4106791	0.491	MM	109.251	109.25		16-Jun-04 baseline high
15	2,4-Dinitrotoluene-d3 (IS)	18.70	4106791	4106791	0.274	bd	1.056	105.64		
16	2,4-Dinitrotoluene	18.83	2016025	4106791	0.274	bd	114.737	114.74		16-Jun-04 starts high
17	2-Nitrotoluene	21.09	1126879	4106791	0.107	bb	100.316	100.32		
18	PETN	20.77	439679	4106791	0.210	dd	126.598	126.60		
19	4-Nitrotoluene	22.45	863320	4106791	0.149	db	102.598	102.60		
20	3-Nitrotoluene	23.77	610816	4106791			99.252	99.23		

Analyst: Steve Cowling

**LC/MS SEMIVOLATILE
SAMPLE DATA**

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Job Code: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:25 2004

Compound 1: HMX Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.996159
Calibration curve: $-8.28340e-6 * x^2 + 0.00639271 * x + 0.0376937$
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank		7.54	2454	4016039	2	0.001	bb	0.000	88.1	1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	7.54	282527	4301275	2	0.066	bb	4.405	103.5	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	7.54	453451	440129	2	0.103	bb	10.350	109.4	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	7.54	851853	4127948	2	0.206	bb	27.356	101.4	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	7.54	1384703	4057760	2	0.340	bb	50.683	101.4	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	7.54	2245226	3737100	2	0.601	bb	101.412	101.4	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	7.54	3444548	3603237	2	0.928	bb	182.423	91.2	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	7.54	4205958	3381691	2	1.244	bb	328.431	109.5	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank		7.54	1783	4259086	2	0.000	bb	0.000	80.9	1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	7.54	1577084	3948815	2	0.501	bb	80.907	106.7	0.005	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank				4011198	2		bb	0.534	104.3	0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	7.56	2289728	3660320	2	0.626	bb	0.521	104.3	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	7.56	2315349	3769562	2	0.614	bb	0.521	104.3	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXQ1AC	Analyte				4051447	2					0.005	1.055	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQ1AC	Analyte				419169	2					0.005	1.061	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQ1AC	Analyte				4340551	2					0.005	1.057	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQ1AC	Analyte				4379648	2					0.005	1.055	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQ1AC	Analyte				4030372	2					0.005	1.049	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQ1AC	Analyte				4258265	2	0.000	bb	0.000		0.005	1.058	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQ1AC	Analyte				4251340	2	0.536	bb	87.977	88.0	0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	7.54	2650431	4944980	2		bb			1.000		1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
 Response Factor: 3.94616e6
 RRF SD: 379386, % Relative SD: 9.61405
 Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
 Last modified: Wed Jun 16 07:24:50 2004
 Job Code: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:25 2004

Compound 2: RDX 13C-3 284 (18) Sample List: ex24f15(1) Method File: ex24f15

Response Factor: 3.94616e6

RRF SD: 379386, % Relative SD: 9.61405

Method: C:\Masslynx\Explosives.PRO\Method\ex24f15

Last modified: Wed Jun 16 07:24:50 2004

Job Code: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:25 2004

Curve type: RV

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank	1.00	9.79	4016039	0	4016039	0.00	bb	1.018	101.8	1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	1.00	9.77	4301275	0	4301274	500	bb	1.090	109.0	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	1.00	9.79	4404129	0	4404129	0.00	bb	1.116	111.6	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	1.00	9.79	4127948	0	4127948	0.00	bb	1.046	104.6	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	1.00	9.77	4067760	0	4067759	500	bb	1.031	103.1	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	1.00	9.74	3737100	0	3737099	750	bb	0.947	94.7	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	1.00	9.74	3603237	0	3603236	500	bb	0.913	91.3	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	1.00	9.72	3381691	0	3381691	1.250	bb	0.857	85.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank	1.00	9.74	4259086	0	4259085	500	bb	1.079	107.9	1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	1.00	9.74	3948815	0	3948815	0.00	bb	1.001	100.1	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank	1.00	9.85	4011198	0	4011198	0.00	bb	1.016	101.6	0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F100000 105 LCS	GH0451AC	QC	1.00	9.84	3660320	0	3660320	0.00	bb	0.928	92.8	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000 105 LCS	GH0451AD	QC	1.00	9.84	3769562	0	3769562	0.00	bb	0.955	95.5	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309 1	GHXQ1AC	Analyte	1.00	9.82	4051447	0	4051447	0.00	bb	1.027	102.7	0.005	1.000	1.00	50	ex24f15
15 ex24f1515	D4F090309 2	GHXQ1AC	Analyte	1.00	9.82	4319169	0	4319169	0.00	bb	1.095	109.5	0.005	1.000	1.00	50	ex24f15
16 ex24f1516	D4F090309 3	GHXQ1AC	Analyte	1.00	9.83	4340551	0	4340550	500	bb	1.100	110.0	0.005	1.000	1.00	50	ex24f15
17 ex24f1517	D4F090309 4	GHXQ1AC	Analyte	1.00	9.84	4379648	0	4379648	0.00	bb	1.110	111.0	0.005	1.000	1.00	50	ex24f15
18 ex24f1518	D4F090309 5	GHXQ1AC	Analyte	1.00	9.84	4030372	0	4030372	0.00	bb	1.100	110.0	0.005	1.000	1.00	50	ex24f15
19 ex24f1519	D4F090309 6	GHXQ1AC	Analyte	1.00	9.83	4258265	0	4258264	500	bb	1.021	102.1	0.005	1.000	1.00	50	ex24f15
20 ex24f1520	D4F090309 7	GHXQ1AC	Analyte	1.00	9.83	4251340	0	4251340	0.00	bb	1.079	107.9	0.005	1.000	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	1.00	9.72	4944980	0	4944979	500	bb	1.253	125.3	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
 Last modified: Wed Jun 16 07:08:54 2004
 Method: C:\Masslyn\Explosives.PRO\MethodB\ex24f15
 Last modified: Wed Jun 16 07:24:50 2004
 Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 3: RDX Sample List: ex24f15(1) Method File: ex24f15																	
Coefficient of Determination: 0.996602																	
Calibration curve: 0.00317675 * x + 0.00758356																	
Response type: Internal Std (Ref 2), Area * (IS Conc. / IS Area)																	
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None																	
# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal.File
1 ex24f1501	Blank	856.72.1	Blank				4016039	2							1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	9.72	95807	4301275	2	0.022	bb	4.624	92.5	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	9.79	156961	4404129	2	0.036		8.832	88.3	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	9.79	388052	4127948	2	0.094	bd	27.205	108.8	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	9.74	717343	4067760	2	0.176		53.125	106.3	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	9.74	1308351	3737100	2	0.350	bd	107.819	107.8	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	9.72	2328740	3603237	2	0.646		201.057	100.5	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	9.75	3112452	3381691	2	0.920	bd	287.338	95.8	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				4259086	2							1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	9.77	1146730	3748815	2	0.290	bb	89.027	89.0	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F10000-105 MB	GH0451AA	Blank				4011198	2					0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F10000-105 LCS	GH0451AC	QC	100.00	9.85	1214436	3660320	2	0.332	bb	0.510	102.1	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F10000-105 LCSD	GH0451AD	QC	100.00	9.82	1300643	3769562	2	0.345	bd	0.531	106.2	0.005	1.055	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXQ1AC	Analyte				4051447	2					0.005	1.061	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQ1AC	Analyte				4319169	2					0.005	1.057	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQ1AC	Analyte				4340551	2					0.005	1.055	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQ1AC	Analyte				4379648	2					0.005	1.049	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQ1AC	Analyte				4030372	2					0.005	1.059	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQ1AC	Analyte				4258265	2					0.005	1.046	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQ1AC	Analyte				4251540	2					0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	9.72	1730517	4944980	2	0.350	bd	107.774	107.8	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Job Code:
Last modified: Wed Jun 16 07:24:50 2004

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Compound 4: 1,3,5-Trinitrobenzene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999912
Calibration curve: $4.32136e-7 * x^2 + 0.00774539 * x + 0.0367903$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C...	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	VF(I)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank		12.76	4067	1256860	6	0.003	bb	0.000		1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	11.96	100916	1305074	6	0.077	bb	5.222	104.4	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	11.96	145281	1326107	6	0.110	bb	9.390	93.9	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	11.96	299372	1303336	6	0.230	bb	24.871	99.5	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	11.96	560282	1329331	6	0.437	bb	51.461	102.9	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	11.96	1088360	1337110	6	0.814	bb	99.785	99.8	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	11.96	2175702	1368827	6	1.589	bb	198.271	99.1	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	11.97	3246120	1348447	6	2.407	bb	301.000	100.3	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank		12.76	911053	1253451	6	0.649	bb	78.709	78.7	1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC		11.96	1310487	1310487	6	0.771	bb	0.471	94.3	0.005	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank			1038175	1346884	6	0.808	bb	0.495	99.1	0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AD	QC		12.04	1085526	1343024	6		bb					1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC		12.09		1325471	6		bb					1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXQ1AC	Analyte				1327994	6					0.005	1.005	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQ1AC	Analyte				1370036	6					0.005	1.005	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQ1AC	Analyte				1354308	6					0.005	1.005	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQ1AC	Analyte				1359512	6					0.005	1.049	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQ1AC	Analyte				1388106	6					0.005	1.059	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQ1AC	Analyte				1391091	6					0.005	1.046	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQ1AC	Analyte				1381884	6					0.005	1.005	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC		11.96	1157728	1381884	6	0.838	bb	102.826	102.8	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 5: Tetryl Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.998838
Calibration curve: $-5.69240e-6 * x^2 + 0.0129882 * x + 0.0395970$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank														
2 ex24f1502	5 µg/L	856.72.2	Standard	5.00	13.40	139195	1256860	6	0.107	dd	5.175	103.5	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 µg/L	856.72.3	Standard	10.00	13.40	210591	1326107	6	0.159	dd	9.215	92.2	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 µg/L	856.72.4	Standard	25.00	13.33	482644	1303336	6	0.370	dd	25.754	103.0	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 µg/L	856.72.5	Standard	50.00	13.33	904523	1329331	6	0.680	dd	50.456	100.9	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 µg/L	856.72.6	Standard	100.00	13.33	1760272	1337110	6	1.316	dd	102.957	103.0	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 µg/L	856.72.7	Standard	200.00	13.33	3178052	1368827	6	2.322	dd	191.838	95.9	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 µg/L	856.72.8	Standard	300.00	13.35	4677988	1348447	6	3.469	dd	304.759	101.6	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank														
10 ex24f1510	100 µg/L ICV	856.72.9	QC	100.00	13.33	1769575	1253451	6	1.261	dd	98.254	98.3	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F10000-105 MB	GH0451AA	Blank														
12 ex24f1512	R4F10000-105 LCS	GH0451AC	QC	100.00	13.42	1669926	1310487	6	1.240	dd	0.482	96.5	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F10000-105 LCSD	GH0451AD	QC	100.00	13.40	1695623	1343024	6	1.263	dd	0.492	98.4	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXQ1AC	Analyte				1325471	6					0.005	1.055	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQ1AC	Analyte				1327994	6					0.005	1.061	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQ1AC	Analyte				1370036	6					0.005	1.057	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQ1AC	Analyte				1354308	6					0.005	1.055	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQ1AC	Analyte				1359512	6					0.005	1.049	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQ1AC	Analyte				1388106	6					0.005	1.059	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQ1AC	Analyte				1391091	6					0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 µg/L	856.72.6	QC	100.00	13.27	1594900	1381884	6	1.154	dd	89.309	89.3	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
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Compound 6: Dinitrobenzene-d4 (IS) Sample List: ex24f15(1) Method File: ex24f15
Response Factor: 1.3318e6
RRF SD: 23225.5, % Relative SD: 1.74474
Response type: External Std, Area
Curve type: RF

# Name	Sample Text	ID	Type	Std C...	RT	Area	IS Area	IS#	Response	Flags	Result	WRec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank		14.00	1256860			0 1256860.125	bb	0.944	94.4	1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	1.00	14.00	1305074			0 1305074.250	bb	0.980	98.0	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	1.00	14.00	1326107			0 1326107.125	bb	0.996	99.6	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	1.00	14.00	1303336			0 1303335.750	bb	0.979	97.9	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	1.00	14.00	1329331			0 1329331.000	bb	0.999	99.9	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	1.00	14.00	1337110			0 1337109.625	bb	1.004	100.4	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	1.00	14.00	1368827			0 1368826.625	bb	1.028	102.8	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	1.00	13.95	1348447			0 1348447.125	bb	1.013	101.3	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank		14.00	1253451			0 1253450.625	bb	0.942	94.2	1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	1.00	14.00	1403557			0 1403557.000	bb	1.054	105.4	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F10000-105 MB	GH04512A	Blank		14.09	1310487			0 1310486.625	bb	0.984	98.4	0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F10000-105 LCS	GH04512C	QC	1.00	14.09	1346884			0 1346883.625	bb	1.012	101.2	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F10000-105 LCS	GH04512D	QC	1.00	14.07	1343024			0 1343024.000	bb	1.009	100.9	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXPX12C	Analyte		14.07	1325471			0 1325470.875	bb	0.996	99.6	0.005	1.055	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQI12C	Analyte		14.07	1327994			0 1327993.875	bb	0.998	99.8	0.005	1.061	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQI12C	Analyte		14.09	1370036			0 1370035.625	bb	1.029	102.9	0.005	1.057	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQI12C	Analyte		14.07	1354308			0 1354307.500	bb	1.017	101.7	0.005	1.055	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQI12C	Analyte		14.07	1359512			0 1359511.750	bb	1.021	102.1	0.005	1.049	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQI12C	Analyte		14.09	1388106			0 1388105.875	bb	1.043	104.3	0.005	1.059	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQI12C	Analyte		14.02	1391091			0 1391091.125	bb	1.045	104.5	0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	1.00	13.93	1381884			0 1381883.500	bb	1.038	103.8	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 7: 1,3-Dinitrobenzene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999865
Calibration curve: $0.00461321 * x + 0.00447758$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(1)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank				1256660	6							1.000	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	14.14	37616	1305074	6	0.029	bb	5.277	105.5	1.000	1.000	1.000	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	14.14	62536	1326107	6	0.047	bs	9.252	92.5	1.000	1.000	1.000	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	14.14	159469	1303336	6	0.122	bb	25.552	102.2	1.000	1.000	1.000	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	14.14	312653	1329331	6	0.235	bs	50.012	100.0	1.000	1.000	1.000	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	14.14	623886	1337110	6	0.467	bb	100.172	100.2	1.000	1.000	1.000	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	14.14	1254662	1368827	6	0.917	bb	197.719	98.9	1.000	1.000	1.000	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	14.09	1884775	1348447	6	1.396	bb	302.015	100.7	1.000	1.000	1.000	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				1253451	6							1.000	50	ex24f15
10 ex24f1510	100 ug/1 ICV	856.72.9	QC	100.00	14.14	531486	1401557	6	0.379	bs	81.113	81.1	1.000	1.000	1.000	50	ex24f15
11 ex24f1511	R4F100000-105 WB	GH0451AA	Blank				1310487	6							1.000	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	14.22	590658	1346884	6	0.439	bb	0.470	94.1	0.005	1.000	1.000	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	14.20	620456	1343024	6	0.462	bs	0.496	99.2	0.005	1.000	1.000	50	ex24f15
14 ex24f1514	D4F090309.1	GHXP1AC	Analyte				1325471	6							1.055	50	ex24f15
15 ex24f1515	D4F090309.2	GHXQ1AC	Analyte				1327994	6							1.061	50	ex24f15
16 ex24f1516	D4F090309.3	GHXQ1AC	Analyte				1370036	6							1.057	50	ex24f15
17 ex24f1517	D4F090309.4	GHXQ1AC	Analyte				1354308	6							1.055	50	ex24f15
18 ex24f1518	D4F090309.5	GHXQ1AC	Analyte				1359512	6							1.049	50	ex24f15
19 ex24f1519	D4F090309.6	GHXQ1AC	Analyte				1388106	6							1.059	50	ex24f15
20 ex24f1520	D4F090309.7	GHXQ1AC	Analyte				1391091	6							1.046	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	14.07	654545	1381884	6	0.474	bb	101.704	101.7	1.000	1.000	1.000	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethodB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
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Compound 8: Nitrobenzene-d5 Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999817
Calibration curve: $0.00405851 * x + 0.00498117$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	Wt	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank	5.00	15.14	270771	1256860	6	0.215	bb	51.855	103.7	1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	10.00	15.14	32378	1305074	6	0.025	bb	4.886	97.7	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	25.00	15.07	58978	1326107	6	0.044	bb	9.731	97.3	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	50.00	15.07	142252	1303336	6	0.109	bb	25.666	102.7	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	100.00	15.07	280401	1329331	6	0.211	bb	50.746	101.5	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	200.00	15.07	562161	1337110	6	0.420	bb	102.365	102.4	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	300.00	15.07	1104208	1368827	6	0.807	bb	197.536	98.8	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	100.00	15.09	1643436	1348447	6	1.219	bb	299.071	99.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank	5.00	15.07	265886	1253451	6	0.212	bb	51.039	102.1	1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	15.07	523159	1403557	6	0.373	bb	90.614	90.6	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank	100.00	15.16	499387	1310487	6	0.381	bb	0.463	92.7	0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AD	QC	100.00	15.16	498952	1346984	6	0.370	bb	0.450	90.0	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	15.20	510748	1343024	6	0.380	bb	0.462	92.5	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXP1AC	Analyte	15.14	15.14	506772	1325471	6	0.382	bb	0.441	93.0	0.005	1.055	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQ1AC	Analyte	15.14	15.14	543863	1327994	6	0.410	bb	0.470	99.7	0.005	1.051	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQ1AC	Analyte	15.16	15.16	505884	1370036	6	0.369	bb	0.425	89.8	0.005	1.037	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQ1AC	Analyte	15.14	15.14	497447	1354308	6	0.367	bb	0.423	89.3	0.005	1.055	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQ1AC	Analyte	15.14	15.14	514277	1359512	6	0.378	bb	0.438	92.0	0.005	1.049	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQ1AC	Analyte	15.16	15.16	529854	1388106	6	0.382	bb	0.438	92.8	0.005	1.059	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQ1AC	Analyte	15.16	15.16	513837	1391091	6	0.369	bb	0.429	89.8	0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	15.00	588311	1381884	6	0.426	bb	103.671	103.7	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

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Compound 9: Nitroglycerin Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999617
Calibration curve: $-7.59137e-7 \cdot x^2 + 0.00573557 \cdot x + 0.00391895$
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank				1256860	6							1.000	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	14.67	9153	1305074	6	0.007	ds	5.416	108.3	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	14.67	11809	1326107	6	0.009	db	8.765	87.6	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	14.60	23663	1303336	6	0.018	ds	25.559	102.4	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	14.67	42270	1329331	6	0.032	ds	52.005	104.0	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	14.60	70291	1337110	6	0.053	ds	96.917	96.9	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	14.60	122133	1368827	6	0.089	ds	202.070	101.0	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	14.56	145841	1348447	6	0.108	ds	299.095	99.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				1253451	6							1.000	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	14.53	67081	1403557	6	0.048	ds	85.980	86.0	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F10000.105 MB	GH0451AA	Blank				1310487	6							1.000	50	ex24f15
12 ex24f1512	R4F10000.105 LCS	GH0451AC	QC	100.00	14.69	63121	1346884	6	0.047	db	0.419	83.9	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F10000.105 LCSD	GH0451AD	QC	100.00	14.67	75570	1343024	6	0.056	dd	0.528	103.7	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F030309.1	GHX01AC	Analyte				1325471	6							1.000	50	ex24f15
15 ex24f1515	D4F030309.2	GHX01AC	Analyte				1327994	6							1.000	50	ex24f15
16 ex24f1516	D4F030309.3	GHX01AC	Analyte				1370036	6							1.000	50	ex24f15
17 ex24f1517	D4F030309.4	GHX01AC	Analyte				1354308	6							1.000	50	ex24f15
18 ex24f1518	D4F030309.5	GHX01AC	Analyte				1359512	6							1.000	50	ex24f15
19 ex24f1519	D4F030309.6	GHX01AC	Analyte				1388106	6							1.000	50	ex24f15
20 ex24f1520	D4F030309.7	GHX01AC	Analyte				1391091	6							1.000	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	14.53	80773	1381884	6	0.058	ds	110.998	111.0	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
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Compound 10: Nitrobenzene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999954
Calibration curve: 0.00414586 * x + 0.00430083
Response type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank				1256860	6					1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.1	Standard	5.00	15.34	33627	1305074	6	0.026	bb	5.178	103.6	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	15.34	57133	1326107	6	0.043	bb	9.354	93.5	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	15.34	143330	1303336	6	0.110	bb	25.488	102.0	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	15.34	281879	1329331	6	0.212	bb	50.109	101.2	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	15.34	567244	1337110	6	0.424	bb	101.289	101.3	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	15.34	1138060	1368827	6	0.831	bb	199.503	99.8	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	15.29	1677792	1348447	6	1.244	bb	299.079	99.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				1253451	6					1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	15.34	486832	1403557	6	0.347	bb	82.626	82.6	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 WB	GH0451AA	Blank				1310487	6					0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	15.43	547455	1346884	6	0.406	bb	0.485	97.0	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	15.40	553136	1343024	6	0.412	bb	0.492	98.3	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXQIAC	Analyte				1325471	6					0.005	1.061	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQIAC	Analyte				1327994	6					0.005	1.061	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQIAC	Analyte				1370036	6					0.005	1.057	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQIAC	Analyte				1354308	6					0.005	1.055	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQIAC	Analyte		15.73	477	1359512	6	0.000	bb	0.000		0.005	1.049	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQIAC	Analyte				1388106	6					0.005	1.059	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQIAC	Analyte				1391091	6					0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	15.27	617833	1381884	6	0.447	bb	106.804	106.8	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report

Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
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 Method: C:\Masslyn\Explosives.PRO\Method\ex24f15
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Compound 11: 2,4,6-Trinitrotoluene Sample List: ex24f15(1) Method File: ex24f15
 Coefficient of Determination: 0.998014
 Calibration Curve: $0.0198226 * x + 0.0260440$
 Response Type: Internal Std (Ref 6), Area * (IS Conc. / IS Area)
 Curve Type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DV	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank				1256860	6								50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	16.00	170376	1305074	6	0.131	bb	5.272	105.4	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	16.00	279382	1326107	6	0.211	bb	9.314	93.1	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	15.94	698460	1303336	6	0.536	bs	25.721	102.9	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	15.94	1372754	1329331	6	1.033	bs	50.782	101.6	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	15.94	2633233	1337110	6	1.969	bb	98.035	98.0	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	15.94	5241239	1368827	6	3.829	bb	191.850	95.9	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	15.96	8295304	1348447	6	6.152	bs	309.026	103.0	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				1253451	6								50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	15.94	2366435	1403557	6	1.686	bs	83.742	83.7	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank				1310487	6								50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	16.03	2378911	1346884	6	1.766	bb	0.439	87.8	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCS	GH0451AD	QC	100.00	16.00	2418273	1343024	6	1.801	bb	0.448	89.5	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GH0451AE	Analyte				1325471	6								50	ex24f15
15 ex24f1515	D4F090309-2	GH0451AF	Analyte				1327994	6								50	ex24f15
16 ex24f1516	D4F090309-3	GH0451AG	Analyte				1370036	6								50	ex24f15
17 ex24f1517	D4F090309-4	GH0451AH	Analyte				1354308	6								50	ex24f15
18 ex24f1518	D4F090309-5	GH0451AI	Analyte				1359512	6								50	ex24f15
19 ex24f1519	D4F090309-6	GH0451AJ	Analyte				1388106	6								50	ex24f15
20 ex24f1520	D4F090309-7	GH0451AK	Analyte				1391091	6								50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	15.87	2877771	1381884	6	2.082	bs	103.743	103.7	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
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Compound 12: 4-Amino-2,6-dinitrotoluene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999902
Calibration curve: $0.00381988 * x + 0.00466517$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	%F(L)	Vs(L or kg)	DF	Inf	Cal File
1 ex24f1501	Blank	856.72.1	Blank														
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	16.74	93725	3601110	15	0.025	dd	5.274	105.5	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	16.74	153320	3777737	15	0.040	dd	9.176	91.8	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	16.74	386341	3860386	15	0.102	dd	25.386	101.5	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	16.74	765050	3907443	15	0.196	dd	50.035	100.1	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	16.74	1541665	3908727	15	0.394	dd	102.032	102.0	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	16.74	3036115	3978798	15	0.763	dd	198.542	99.3	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	16.70	4570686	3978213	15	1.149	dd	299.555	99.9	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank			347	3708466	15	0.000	bd	0.000				1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	16.67	1292159	4177412	15	0.309	dd	79.755	79.8	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank			3838536	3838536	15		dd					1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	16.76	1405289	4001557	15	0.351	dd	0.454	90.7	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	16.80	1496329	3952434	15	0.379	dd	0.489	97.9	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	CHXPXIAC	Analyte				4019058	15					0.005	1.061	1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHQDLIAC	Analyte				4042992	15					0.005	1.057	1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHQDLIAC	Analyte				4049652	15					0.005	1.055	1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHQDLIAC	Analyte				4098788	15					0.005	1.049	1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHQDLIAC	Analyte		17.07	1175	4114671	15	0.000	bs	0.000		0.005	1.049	1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHQDLIAC	Analyte				4241472	15					0.005	1.059	1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHQDLIAC	Analyte				4180661	15					0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	16.60	1616826	4106791	15	0.394	dd	101.844	101.8	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 13: 2-Amino-4,6-dinitrotoluene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999570
Calibration curve: $0.00313441 * x + 0.00674855$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DP	Inj	Cal. File
1 ex24f1501	Blank	856.72.1	Blank				3601110	15								50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	17.91	80716	3777737	15	0.021	db	4.664	93.3	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	17.91	142652	3860386	15	0.037	db	9.636	96.4	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	17.91	341555	3801235	15	0.090	db	26.514	106.1	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	17.91	660307	3907443	15	0.169	db	51.760	103.5	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	17.91	1286147	3908727	15	0.329	db	102.825	102.8	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	17.84	2503248	3978798	15	0.629	db	198.570	99.3	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	17.87	3718157	3978213	15	0.935	db	296.031	98.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank			1855	3708466	15	0.001	bb	0.000				1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	17.84	1126702	4177412	15	0.270	db	83.896	83.9	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank				3838536	15							1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	17.94	1239552	4001557	15	0.307	db	0.479	95.9	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCS	GH0451AD	QC	100.00	17.97	1255304	3952434	15	0.318	db	0.496	99.2	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXQ1AC	Analyte				4019058	15							1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQ1AC	Analyte				4019992	15							1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQ1AC	Analyte				4049652	15							1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQ1AC	Analyte				4098788	15							1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQ1AC	Analyte				4114671	15	0.000	bb	0.000				1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQ1AC	Analyte		17.07	1703	4241472	15							1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQ1AC	Analyte				4180661	15							1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	17.78	1424665	4106791	15	0.347	db	108.523	108.5	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 14: 2,6-Dinitrotoluene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.99896
Calibration curve: $0.00907213 * x + 0.0128841$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(l)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank				3601110	15					1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	18.06	222339	3777717	15	0.059	bd	5.067	101.3	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	18.06	378187	3860386	15	0.098	bd	9.378	93.8	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	18.06	929604	3801235	15	0.245	bd	25.536	102.1	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	18.06	1834997	3907443	15	0.470	bd	50.345	100.7	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	18.06	3670030	3908727	15	0.939	bd	102.076	102.1	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	18.06	7435228	3978798	15	1.869	bd	204.564	102.3	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	18.02	10627093	3978213	15	2.671	bd	293.034	97.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				3708466	15					1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	18.06	3187044	4177412	15	0.763	bd	82.675	82.7	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F10000-105 MB	GH0451AA	Blank				3838536	15					1.000	1.000	1.00	50	ex24f15
12 ex24f1512	R4F10000-105 LCS	GH0451AC	QC	100.00	18.16	3487616	4001557	15	0.872	bd	0.473	94.7	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F10000-105 LCSD	GH0451AD	QC	100.00	18.12	3580970	3952434	15	0.906	bd	0.492	98.4	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	DAF090309-1	GHXPIAC	Analyte				4019058	15					0.005	1.061	1.00	50	ex24f15
15 ex24f1515	DAF090309-2	GHXQDIAC	Analyte				4012992	15					0.005	1.057	1.00	50	ex24f15
16 ex24f1516	DAF090309-3	GHXQEIAC	Analyte				4049652	15					0.005	1.055	1.00	50	ex24f15
17 ex24f1517	DAF090309-4	GHXQHIAC	Analyte				4098788	15					0.005	1.057	1.00	50	ex24f15
18 ex24f1518	DAF090309-5	GHXOLIAC	Analyte				4114671	15					0.005	1.049	1.00	50	ex24f15
19 ex24f1519	DAF090309-6	GHXPIAC	Analyte				4241472	15					0.005	1.059	1.00	50	ex24f15
20 ex24f1520	DAF090309-7	GHXQRIAC	Analyte				4180661	15					0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	17.99	4123308	4106791	15	1.004	MM	109.251	109.3	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
 Response factor: 3.88751e6
 RRF SD: 79201.7, % Relative SD: 2.03734
 Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f15
 Last modified: Wed Jun 16 07:24:50 2004
 Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 15: 2,4-Dinitrotoluene-d3 (IS) Sample List: ex24f15(1) Method File: ex24f15
 Response factor: 3.88751e6
 RRF SD: 79201.7, % Relative SD: 2.03734
 Response type: External Std, Area
 Curve type: RP

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	VF(L)	Vs(L or kg)	DF	Inj	Cal File
1 ex24f1501	Blank	856.72.1	Blank	1.00	18.83	3601110			0.3601109.750	ds	0.926	92.6	1.000	1.000	1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	1.00	18.83	3777737			0.3777736.500	ds	0.972	97.2	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	1.00	18.83	3860386			0.3860385.500	ds	0.993	99.3	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	1.00	18.83	3801235			0.3801235.000	ds	0.978	97.8	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	1.00	18.83	3907443			0.3907442.750	ds	1.005	100.5	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	1.00	18.83	3908727			0.3908727.000	ds	1.005	100.5	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	1.00	18.83	3978798			0.3978798.250	ds	1.023	102.3	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	1.00	18.83	3978213			0.3978213.250	ds	1.023	102.3	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.9	Blank	1.00	18.83	3708466			0.3708466.250	ds	0.954	95.4	1.000	1.000	1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.10	QC	1.00	18.83	4177412			0.4177411.750	ds	1.075	107.5	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000.105 MB	GH0451AA	Blank	1.00	18.93	3838536			0.3838535.750	ds	0.987	98.7	0.005	1.000	1.00	50	ex24f15
12 ex24f1512	R4F100000.105 LCS	GH0451AC	QC	1.00	18.93	4001557			0.4001557.000	ds	1.029	102.9	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000.105 LCSD	GH0451AD	QC	1.00	18.90	3952434			0.3952433.750	ds	1.017	101.7	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309.1	GHXP1AC	Analyte	1.00	18.90	4019058			0.4019058.250	ds	1.034	103.4	0.005	1.055	1.00	50	ex24f15
15 ex24f1515	D4F090309.2	GHXQ1AC	Analyte	1.00	18.90	4012992			0.4012991.500	ds	1.032	103.2	0.005	1.057	1.00	50	ex24f15
16 ex24f1516	D4F090309.3	GHXQ1AC	Analyte	1.00	18.90	4098788			0.4098788.250	ds	1.042	104.2	0.005	1.057	1.00	50	ex24f15
17 ex24f1517	D4F090309.4	GHXQ1AC	Analyte	1.00	18.90	4098788			0.4098788.250	ds	1.054	105.4	0.005	1.055	1.00	50	ex24f15
18 ex24f1518	D4F090309.5	GHXQ1AC	Analyte	1.00	18.90	4114671			0.4114671.250	ds	1.058	105.8	0.005	1.049	1.00	50	ex24f15
19 ex24f1519	D4F090309.6	GHXQ1AC	Analyte	1.00	18.87	4211472			0.4211472.000	ds	1.091	109.1	0.005	1.059	1.00	50	ex24f15
20 ex24f1520	D4F090309.7	GHXQ1AC	Analyte	1.00	18.87	4180661			0.4180660.500	ds	1.075	107.5	0.005	1.046	1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.11	QC	1.00	18.70	4106791			0.4106790.500	ds	1.056	105.6	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 16: 2,4-Dinitrotoluene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999730
Calibration curve: $0.00422490 \cdot x + 0.00614752$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vz(L)	Vs(L or kg)	DP	Inj	Cal.File
1 ex24f1501	Blank	856.72.1	Blank				3601110	15							1.00	50	ex24f15
2 ex24f1502	5 µg/L	856.72.2	Standard	5.00	18.96	105722	3777737	15	0.028	db	5.159	103.4	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 µg/L	856.72.3	Standard	10.00	18.96	175029	3860386	15	0.045	db	9.277	92.8	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 µg/L	856.72.4	Standard	25.00	18.96	431585	3801235	15	0.114	db	25.418	101.7	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 µg/L	856.72.5	Standard	50.00	18.96	849064	3907443	15	0.217	db	49.977	100.0	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 µg/L	856.72.6	Standard	100.00	18.96	1731157	3908727	15	0.443	db	103.375	103.4	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 µg/L	856.72.7	Standard	200.00	18.96	3379149	3978798	15	0.849	db	199.565	99.8	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 µg/L	856.72.8	Standard	300.00	18.93	5019998	3978213	15	1.262	db	297.220	99.1	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				3708466	15							1.00	50	ex24f15
10 ex24f1510	100 µg/L ICV	856.72.9	QC	100.00	18.90	1409127	4177412	15	0.337	db	78.386	78.4	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank				3838536	15							1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	19.06	1788743	4001557	15	0.447	db	0.522	104.3	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	19.03	1750651	3952434	15	0.443	db	0.517	103.4	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GH0451AE	Analyte				4015058	15							1.00	50	ex24f15
15 ex24f1515	D4F090309-2	GH0451AF	Analyte				4012992	15							1.00	50	ex24f15
16 ex24f1516	D4F090309-3	GH0451AG	Analyte				4049652	15							1.00	50	ex24f15
17 ex24f1517	D4F090309-4	GH0451AH	Analyte				4098788	15							1.00	50	ex24f15
18 ex24f1518	D4F090309-5	GH0451AI	Analyte				4114671	15							1.00	50	ex24f15
19 ex24f1519	D4F090309-6	GH0451AJ	Analyte				4241472	15							1.00	50	ex24f15
20 ex24f1520	D4F090309-7	GH0451AK	Analyte				4180661	15							1.00	50	ex24f15
21 ex24f1521	100 µg/L	856.72.6	QC	100.00	18.83	2016025	4106791	15	0.491	MM	114.737	114.7	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:25 2004

Compound 17: 2-Nitrotoluene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999940
Calibration curve: $0.00270052 \cdot x + 0.00348876$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Test	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	Area	Vs (L)	Vs (L or kg)	DF	Inj	Cal. File
1 ex24f1501	Blank	856.72.1	Blank				3601110	15							1.00	50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	21.22	65596	3777737	15	0.017	bd	5.138	102.8	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	21.16	111547	3860386	15	0.029	bd	9.408	94.1	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	21.16	275040	3801235	15	0.072	bd	25.501	102.0	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	21.16	543329	3907443	15	0.139	bd	50.198	100.4	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	21.16	1085046	3908727	15	0.278	bd	101.501	101.5	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	21.16	2152600	3978798	15	0.541	bd	199.046	99.5	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	21.20	3228334	3978213	15	0.812	bd	299.207	99.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				3708466	15							1.00	50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	21.16	957997	4177412	15	0.229	bd	83.628	83.6	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank				3838536	15							1.00	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	21.26	997985	4001557	15	0.249	bd	0.455	91.1	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	21.28	955871	3952434	15	0.242	bd	0.441	88.3	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F080309-1	GH0451AC	Analyte				4019058	15							1.00	50	ex24f15
15 ex24f1515	D4F080309-2	GH0451AC	Analyte				4012922	15							1.00	50	ex24f15
16 ex24f1516	D4F080309-3	GH0451AC	Analyte				4049652	15							1.00	50	ex24f15
17 ex24f1517	D4F080309-4	GH0451AC	Analyte				4098788	15							1.00	50	ex24f15
18 ex24f1518	D4F080309-5	GH0451AC	Analyte				4114671	15							1.00	50	ex24f15
19 ex24f1519	D4F080309-6	GH0451AC	Analyte				4241472	15							1.00	50	ex24f15
20 ex24f1520	D4F080309-7	GH0451AC	Analyte				4180661	15							1.00	50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	21.09	1136879	4106791	15	0.274	bd	100.316	100.3	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

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Compound 18: PERN Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999549
Calibration curve: $-9.01887e-7 * x^2 + 0.000946317 * x + 0.00171378$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vf(L)	Vs(L or kg)	DF	Inj	Cal. File
1 ex24f1501	Blank	856.72.1	Blank				3601110	15								50	ex24f15
2 ex24f1502	5 ug/L	856.72.2	Standard	5.00	20.96	23300	3777737	15	0.006	bb	4.728	94.6	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 ug/L	856.72.3	Standard	10.00	20.96	43137	3860386	15	0.011	bb	10.094	100.9	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 ug/L	856.72.4	Standard	25.00	20.96	98755	3801235	15	0.026	bb	26.302	105.2	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 ug/L	856.72.5	Standard	50.00	20.90	183947	3907443	15	0.047	bb	50.352	100.7	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 ug/L	856.72.6	Standard	100.00	20.90	340796	3908727	15	0.087	bb	99.820	99.8	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 ug/L	856.72.7	Standard	200.00	20.90	603592	3978798	15	0.152	bb	194.581	97.3	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 ug/L	856.72.8	Standard	300.00	20.94	821388	3978213	15	0.206	bb	305.074	101.7	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				3708466	15								50	ex24f15
10 ex24f1510	100 ug/L ICV	856.72.9	QC	100.00	20.90	337467	4177412	15	0.081	bb	91.542	91.5	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F10000-105 MB	GH0451AA	Blank				3838536	15								50	ex24f15
12 ex24f1512	R4F10000-105 LCS	GH0451AC	QC	100.00	20.94	286794	4001557	15	0.072	bb	0.400	80.0	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F10000-105 LCS	GH0451AD	QC	100.00	20.90	300913	3952434	15	0.076	bb	0.428	85.6	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GH0451AE	Analyte				4019058	15								50	ex24f15
15 ex24f1515	D4F090309-2	GH0451AF	Analyte				4012992	15								50	ex24f15
16 ex24f1516	D4F090309-3	GH0451AG	Analyte				4049652	15								50	ex24f15
17 ex24f1517	D4F090309-4	GH0451AH	Analyte				4098788	15								50	ex24f15
18 ex24f1518	D4F090309-5	GH0451AI	Analyte				4114671	15								50	ex24f15
19 ex24f1519	D4F090309-6	GH0451AJ	Analyte				4241472	15								50	ex24f15
20 ex24f1520	D4F090309-7	GH0451AK	Analyte				4180661	15								50	ex24f15
21 ex24f1521	100 ug/L	856.72.6	QC	100.00	20.77	439679	4106791	15	0.107	bb	126.599	126.6	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
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Last modified: Wed Jun 16 07:24:50 2004
Job Code:

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Compound 19: 4-Nitrotoluene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.999907
Calibration curve: $0.00202675 \cdot x + 0.00227508$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C...	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	Vs(L)	Vs(L or kg)	DP	Inj Cal. File
1 ex24f1501	Blank	856.72.1	Blank				3601110	15							1.00	50 ex24f15
2 ex24f1502	5 µg/L	856.72.2	Standard	5.00	22.64	47018	3777717	15	0.012	dd	5.018	100.4	1.000	1.000	1.00	50 ex24f15
3 ex24f1503	10 µg/L	856.72.3	Standard	10.00	22.58	84594	3860386	15	0.022	dd	9.690	96.9	1.000	1.000	1.00	50 ex24f15
4 ex24f1504	25 µg/L	856.72.4	Standard	25.00	22.58	206410	3801235	15	0.034	dd	25.670	102.7	1.000	1.000	1.00	50 ex24f15
5 ex24f1505	50 µg/L	856.72.5	Standard	50.00	22.58	409150	3907443	15	0.105	dd	50.547	101.1	1.000	1.000	1.00	50 ex24f15
6 ex24f1506	100 µg/L	856.72.6	Standard	100.00	22.58	796080	3908727	15	0.204	dd	99.367	99.4	1.000	1.000	1.00	50 ex24f15
7 ex24f1507	200 µg/L	856.72.7	Standard	200.00	22.58	1607066	3978798	15	0.404	dd	198.166	99.1	1.000	1.000	1.00	50 ex24f15
8 ex24f1508	300 µg/L	856.72.8	Standard	300.00	22.56	2440335	3978213	15	0.613	dd	301.542	100.5	1.000	1.000	1.00	50 ex24f15
9 ex24f1509	Blank	856.72.1	Blank				3708456	15							1.00	50 ex24f15
10 ex24f1510	100 µg/L ICV	856.72.9	QC	100.00	22.58	714274	4177412	15	0.171	dd	83.242	83.2	1.000	1.000	1.00	50 ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank				3838516	15							1.00	50 ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	22.68	749339	4001557	15	0.187	dd	0.456	91.3	0.005	1.000	1.00	50 ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	22.64	716174	3952434	15	0.181	dd	0.441	88.3	0.005	1.000	1.00	50 ex24f15
14 ex24f1514	D4F090309-1	GHXP31AC	Analyte				4019058	15							1.00	50 ex24f15
15 ex24f1515	D4F090309-2	GHXP31AC	Analyte				4022992	15							1.00	50 ex24f15
16 ex24f1516	D4F090309-3	GHXP31AC	Analyte				4049652	15							1.00	50 ex24f15
17 ex24f1517	D4F090309-4	GHXP31AC	Analyte				4098788	15							1.00	50 ex24f15
18 ex24f1518	D4F090309-5	GHXP31AC	Analyte				4114671	15							1.00	50 ex24f15
19 ex24f1519	D4F090309-6	GHXP31AC	Analyte				4241472	15							1.00	50 ex24f15
20 ex24f1520	D4F090309-7	GHXP31AC	Analyte				4180661	15							1.00	50 ex24f15
21 ex24f1521	100 µg/L	856.72.6	QC	100.00	22.45	863320	4106791	15	0.210	dd	102.599	102.6	1.000	1.000	1.00	50 ex24f15

Analyst: Steve Cowling

Quantify Compound Summary Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
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Last modified: Wed Jun 16 07:24:50 2004
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Compound 20: 3-Nitrotoluene Sample List: ex24f15(1) Method File: ex24f15
Coefficient of Determination: 0.99892
Calibration curve: $0.0014888 \times x + 0.00125697$
Response type: Internal Std (Ref 15), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	Sample Text	ID	Type	Std C..	RT	Area	IS Area	IS#	Response	Flags	Result	%Rec	VF(L)	Vs (L or kg)	DF	Inj	Cal. File
1 ex24f1501	Blank	856.72.1	Blank				3601110	15							1.000	50	ex24f15
2 ex24f1502	5 µg/L	856.72.2	Standard	5.00	23.89	33888	3777737	15	0.009	db	5.191	103.8	1.000	1.000	1.00	50	ex24f15
3 ex24f1503	10 µg/L	856.72.3	Standard	10.00	23.86	59658	3860386	15	0.015	db	9.555	95.5	1.000	1.000	1.00	50	ex24f15
4 ex24f1504	25 µg/L	856.72.4	Standard	25.00	23.89	146941	3801235	15	0.039	db	25.170	100.7	1.000	1.000	1.00	50	ex24f15
5 ex24f1505	50 µg/L	856.72.5	Standard	50.00	23.91	294231	3907443	15	0.075	db	49.831	99.7	1.000	1.000	1.00	50	ex24f15
6 ex24f1506	100 µg/L	856.72.6	Standard	100.00	23.91	590627	3908727	15	0.151	db	100.848	100.8	1.000	1.000	1.00	50	ex24f15
7 ex24f1507	200 µg/L	856.72.7	Standard	200.00	23.91	1174644	3978798	15	0.295	db	197.841	98.9	1.000	1.000	1.00	50	ex24f15
8 ex24f1508	300 µg/L	856.72.8	Standard	300.00	23.89	1787595	3978213	15	0.449	db	301.564	100.5	1.000	1.000	1.00	50	ex24f15
9 ex24f1509	Blank	856.72.1	Blank				3708466	15							1.000	50	ex24f15
10 ex24f1510	100 µg/L ICV	856.72.9	QC	100.00	23.89	529738	4177412	15	0.127	db	84.497	84.5	1.000	1.000	1.00	50	ex24f15
11 ex24f1511	R4F100000-105 MB	GH0451AA	Blank				3838536	15							1.000	50	ex24f15
12 ex24f1512	R4F100000-105 LCS	GH0451AC	QC	100.00	23.99	542502	4001557	15	0.136	db	0.452	90.4	0.005	1.000	1.00	50	ex24f15
13 ex24f1513	R4F100000-105 LCSD	GH0451AD	QC	100.00	23.98	514102	3952434	15	0.130	db	0.433	86.7	0.005	1.000	1.00	50	ex24f15
14 ex24f1514	D4F090309-1	GHXQ1IAC	Analyte				4019058	15							1.061	50	ex24f15
15 ex24f1515	D4F090309-2	GHXQDIAC	Analyte				4012992	15							1.005	50	ex24f15
16 ex24f1516	D4F090309-3	GHXQDIAC	Analyte				4049652	15							1.057	50	ex24f15
17 ex24f1517	D4F090309-4	GHXQDIAC	Analyte				4098788	15							1.045	50	ex24f15
18 ex24f1518	D4F090309-5	GHXQDIAC	Analyte				4114671	15							1.049	50	ex24f15
19 ex24f1519	D4F090309-6	GHXQDIAC	Analyte				4241472	15							1.059	50	ex24f15
20 ex24f1520	D4F090309-7	GHXQDIAC	Analyte				4180661	15							1.046	50	ex24f15
21 ex24f1521	100 µg/L	856.72.6	QC	100.00	23.77	610816	4106791	15	0.149	db	99.252	99.3	1.000	1.000	1.00	50	ex24f15

Analyst: Steve Cowling

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
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Job Code:

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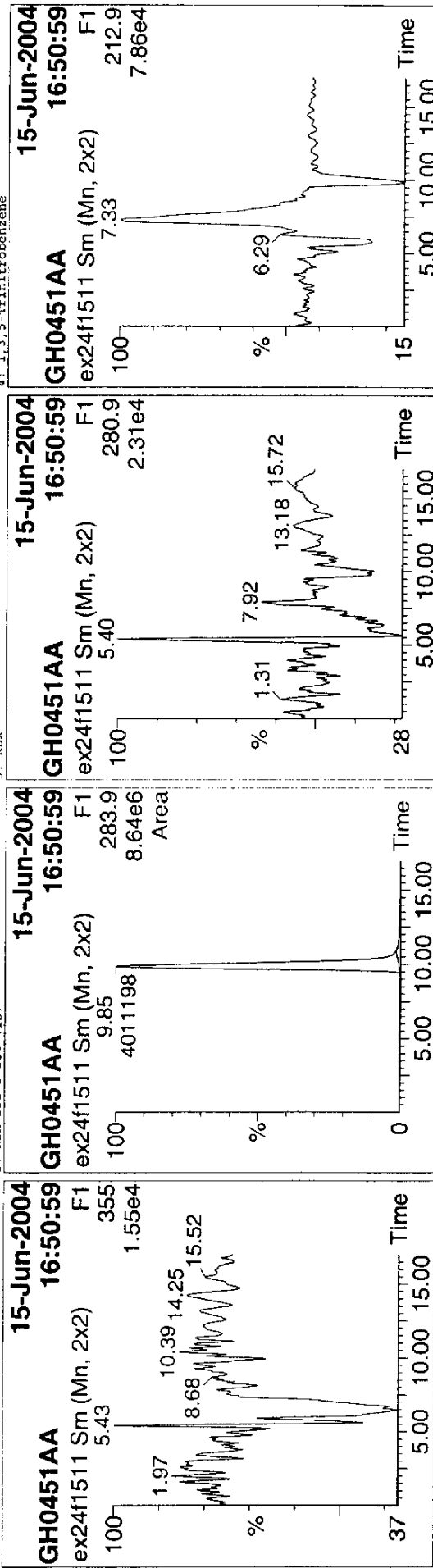
Name: ex24f1511
Text: KAF100000-105 WB

1: HMX

2: RDX 13C-3 284 (IS)

3: RDX

4: 1,3,5-Trinitrobenzene

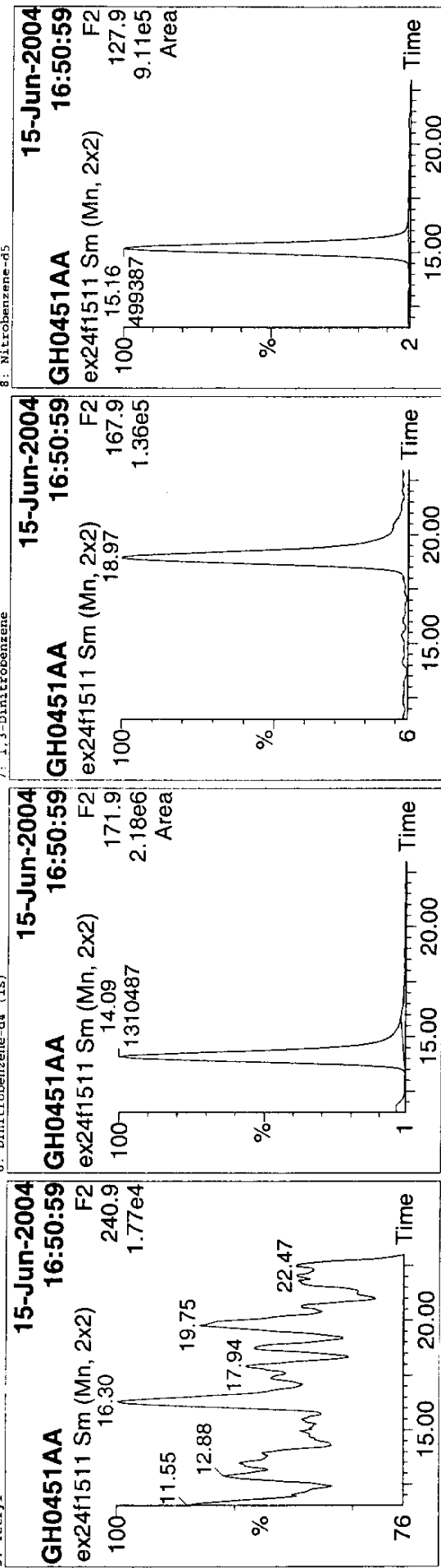


5: Tetryl

6: Dinitrobenzene-d4 (IS)

7: 1,3-Dinitrobenzene

8: Nitrobenzene-d5



15-Jun-2004 16:50:59 GH0451AA ex24f1511 Sm (Mn, 2x2) F2 167.9 1.36e5

Peaks: 18.97, 1310487

15-Jun-2004 16:50:59 GH0451AA ex24f1511 Sm (Mn, 2x2) F2 127.9 9.11e5

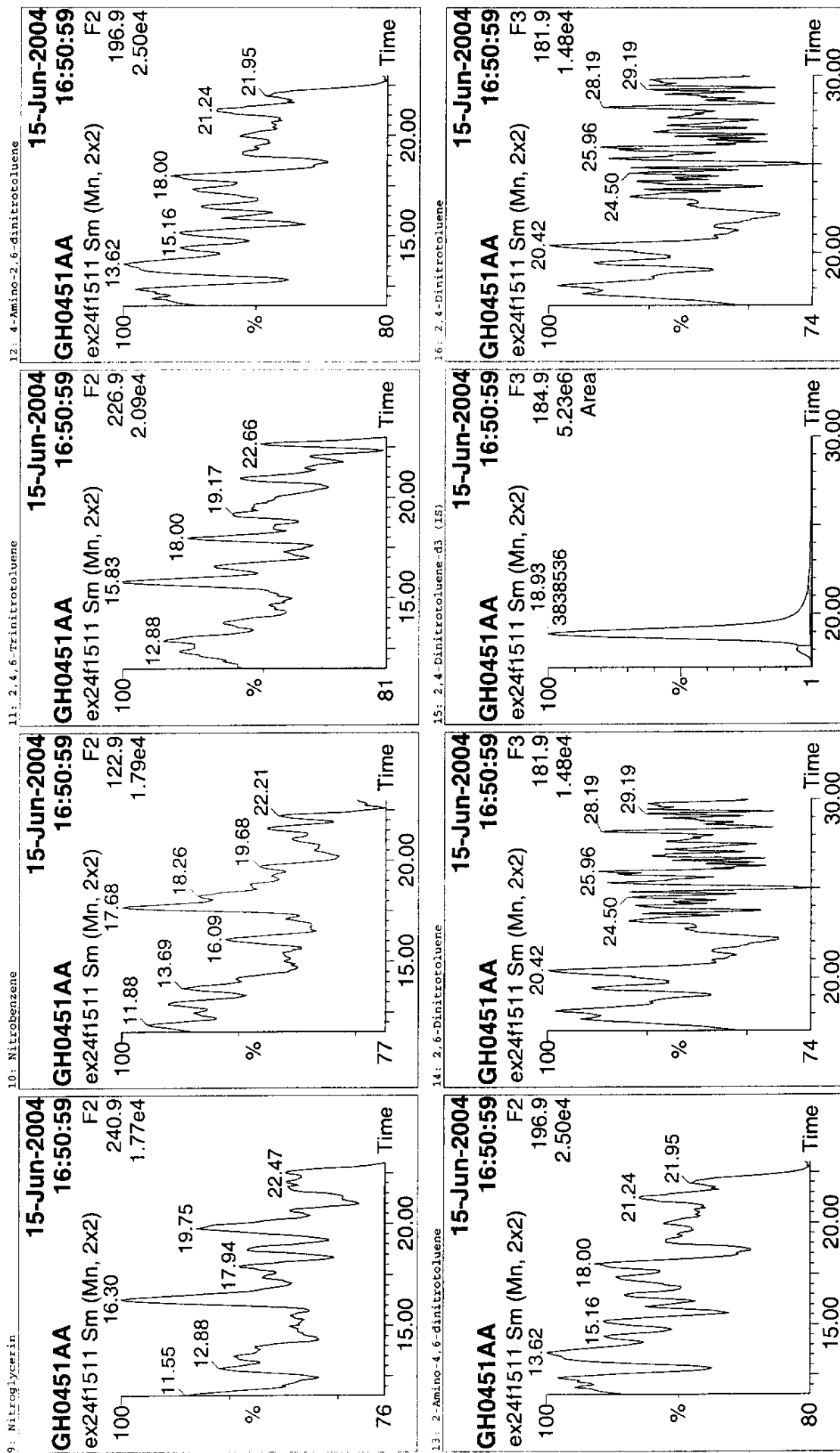
Peaks: 15.16, 499387

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1511
Text: R4F10000-105 MB



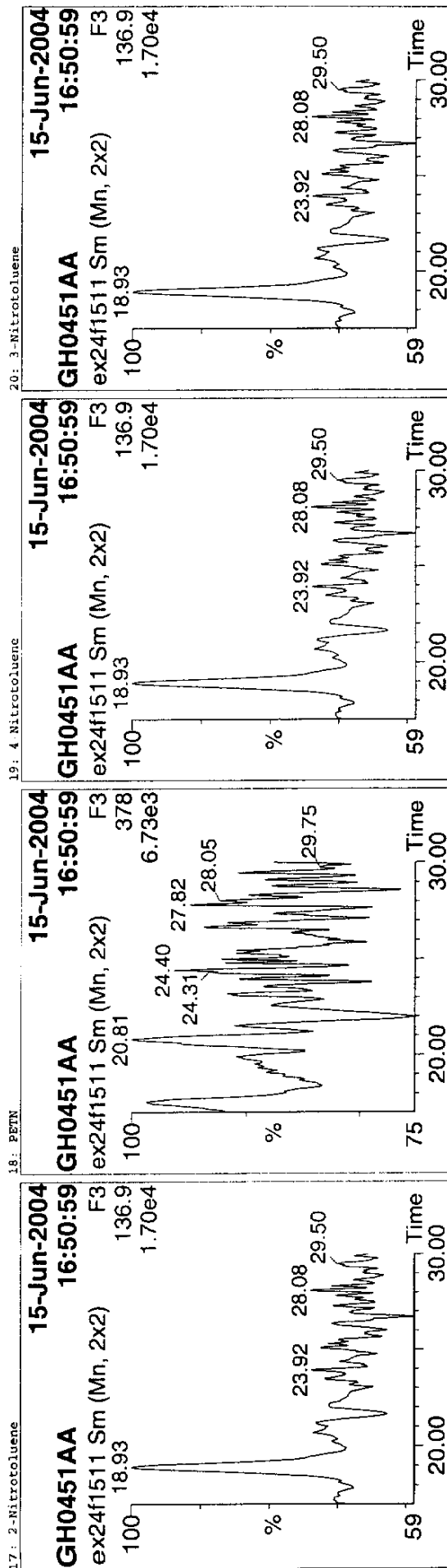
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethodDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1511
Text: R4F10000-105 MB



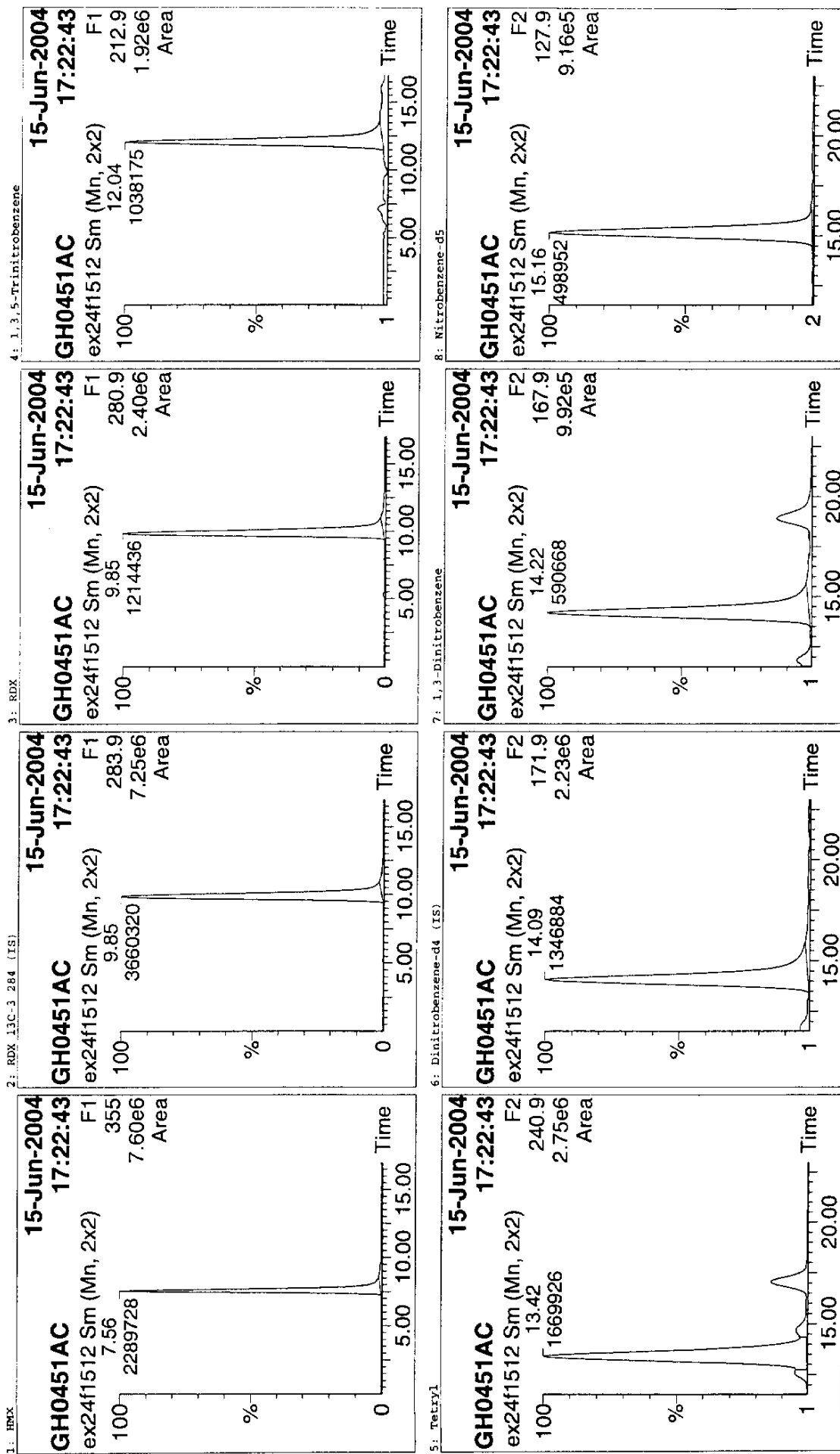
# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1 HMX			4011198								
2 RDX 13C-3 284 (IS)	9.85	4011198									
3 RDX			4011198		bb		1.016		101.65		
4 1,3,5-Trinitrobenzene			1310487								
5 Tetrayl			1310487								
6 Dinitrobenzene-d4 (IS)	14.09	1310487									
7 1,3-Dinitrobenzene			1310487		bb		0.984		98.45		
8 Nitrobenzene-d5	15.16	499387									
9 Nitroglycerin			1310487		0.381 bb		0.463		92.67		
10 Nitrobenzene			1310487								
11 2,4,6-Trinitrotoluene			1310487								
12 4-Amino-2,6-dinitrotoluene			1310487								
13 2-Amino-4,6-dinitrotoluene			3838536								
14 2,6-Dinitrotoluene			3838536								
15 2,4-Dinitrotoluene-d3 (IS)			3838536								
16 2,4-Dinitrotoluene	18.93	3838536			ds		0.987		98.74		
17 2-Nitrotoluene			3838536								
18 PETN			3838536								
19 4-Nitrotoluene			3838536								
20 3-Nitrotoluene			3838536								

Analyst: Steve Cowling

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1512
Text: N4F100000-105 LCS

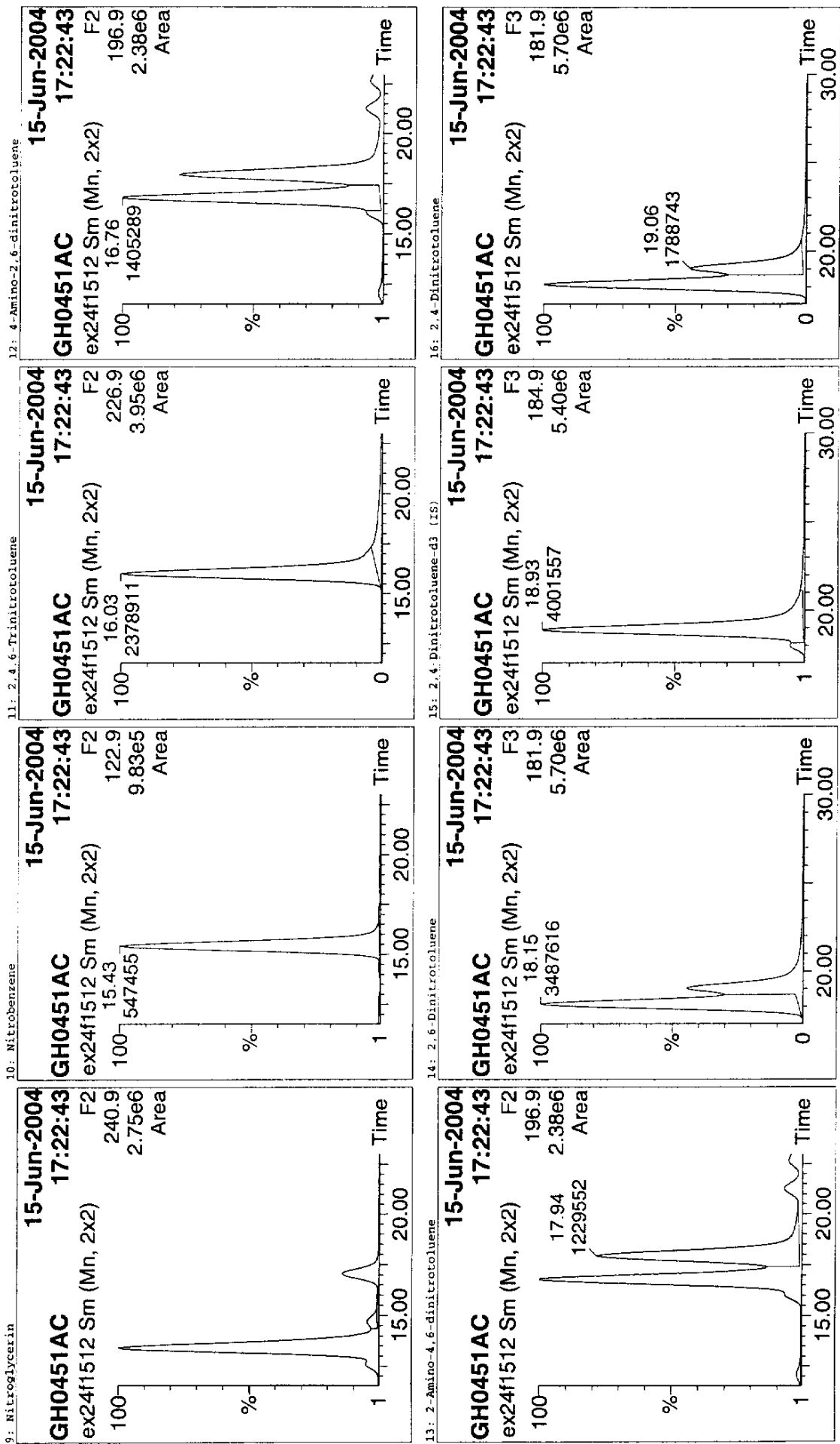


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1512
Text: R4P100000-105 LCS



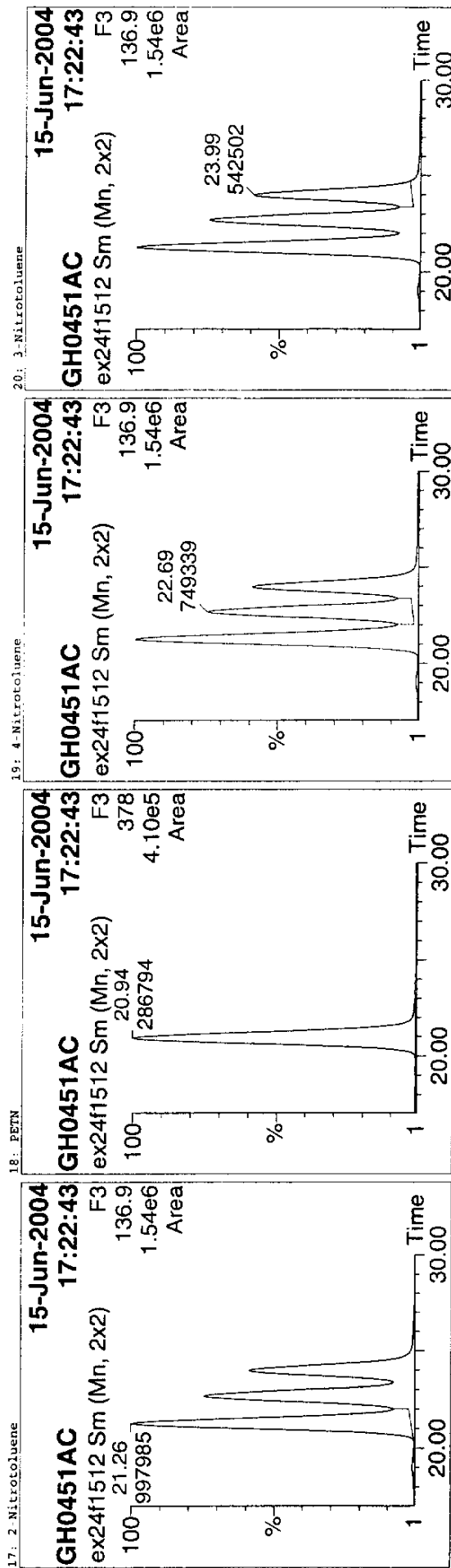
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample list: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f15
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Name: ex24f1512
Text: R4F100000-105 LOS



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1 HMX	7.56	2289728	3660320	0.626	bb	0.534	106.72		
2 RDX 13C-3 284 (IS)	9.85	3660320	3660320	0.332	bb	0.928	92.76		
3 RDX	9.85	1214436	3660320	0.332	bb	0.510	102.05		
4 1,3,5-Trinitrobenzene	12.04	1038175	1346884	0.771	bb	0.471	94.27		
5 Tetrayl	13.42	1669926	1346884	1.240	dd	0.482	96.49		
6 Dinitrobenzene-d4 (IS)	14.09	1346884	1346884	0.439	bb	1.012	101.18		
7 1,3-Dinitrobenzene	14.22	590668	1346884	0.370	bb	0.470	94.09		
8 Nitrobenzene-d5	15.16	498952	1346884	0.406	bb	0.450	80.05		
9 Nitroglycerin	14.69	63121	1346884	0.047	db	0.419	83.90		
10 Nitrobenzene	15.43	547455	1346884	0.406	bb	0.485	97.00		
11 2,4,6-Trinitrotoluene	16.03	276911	1346884	1.766	bb	0.439	87.79		
12 4-Amino-2,6-dinitrotoluene	16.76	1405289	4001557	0.351	dd	0.454	90.71		
13 2-Amino-4,6-dinitrotoluene	17.94	129552	4001557	0.307	db	0.479	95.88		
14 2,6-Dinitrotoluene	18.16	3487616	4001557	0.872	bd	0.473	94.65		
15 2,4-Dinitrotoluene-d3 (IS)	18.93	4001557	4001557	4001557	ds	1.029	102.93		
16 2,4-Dinitrotoluene	19.06	1788743	4001557	0.447	db	0.522	104.35		
17 2-Nitrotoluene	21.26	997985	4001557	0.249	bd	0.455	91.06		
18 PETN	20.94	286794	4001557	0.072	bb	0.400	80.03		
19 4-Nitrotoluene	22.68	749339	4001557	0.187	dd	0.456	91.22		
20 3-Nitrotoluene	23.99	542502	4001557	0.136	db	0.452	90.39		

Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

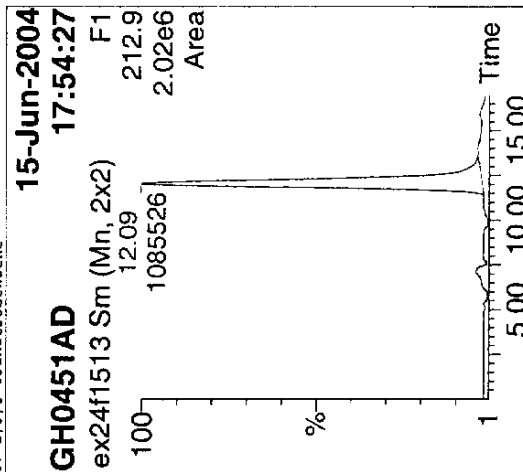
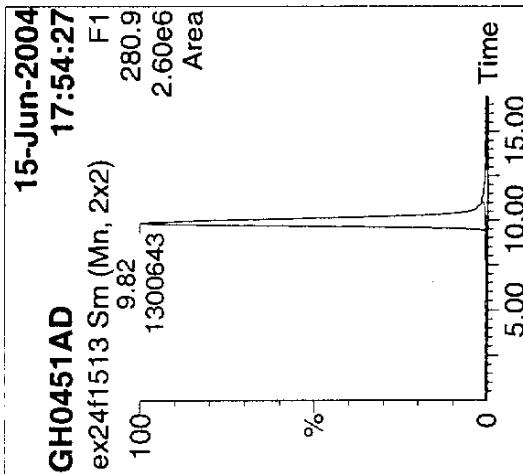
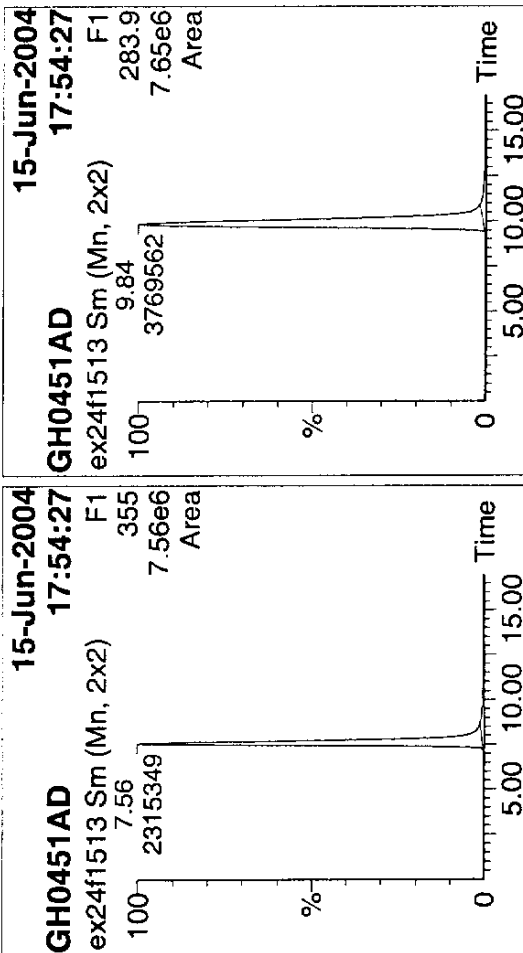
Name: ex24f1513
Text: R4F100000-105 LCSB

1: HMX

2: RDX 13C-3 284 (IS)

3: RDX

4: 1,3,5-Trinitrobenzene

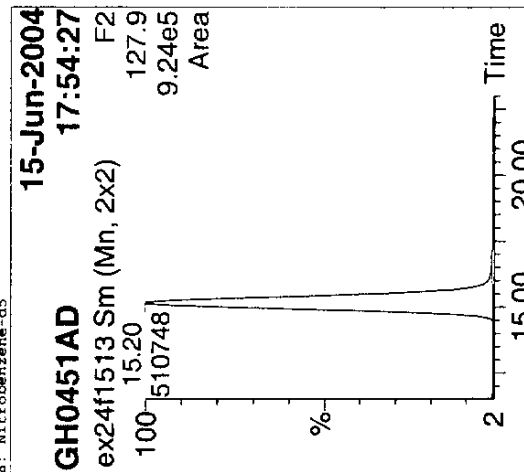
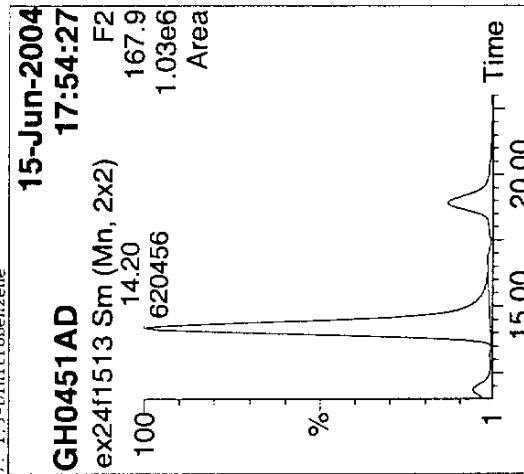
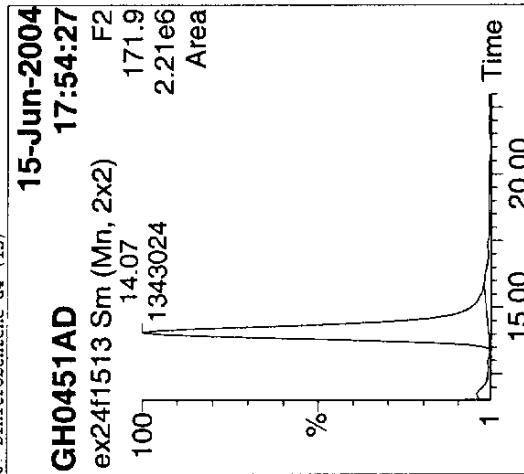
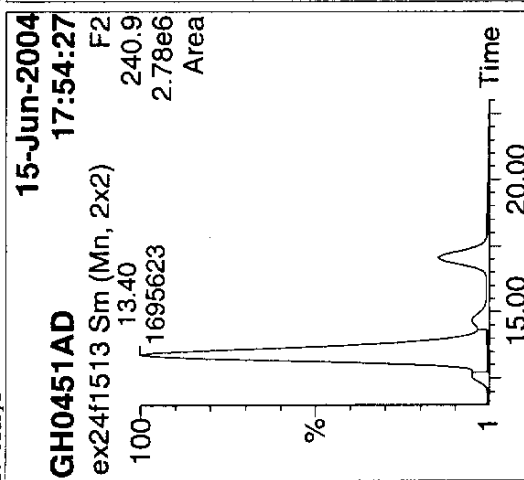


5: Tetryl

6: Dinitrobenzene-d4 (IS)

7: 1,3-Dinitrobenzene

8: Nitrobenzene-d5



Analyst: Steve Cowling

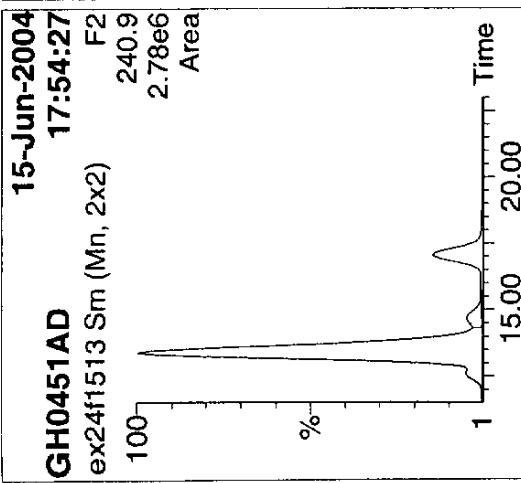
Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

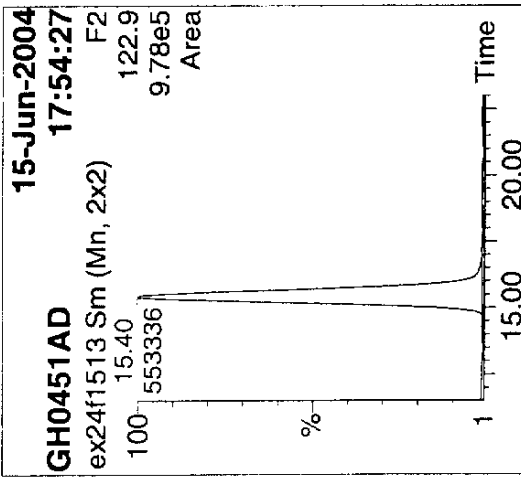
Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1513
Text: R4F100000-105 LCSD

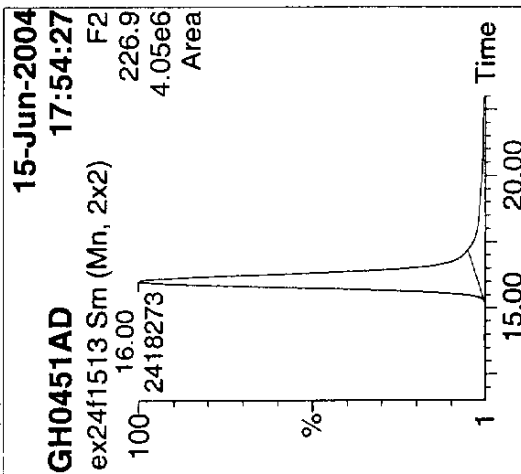
9: Nitroglycerin



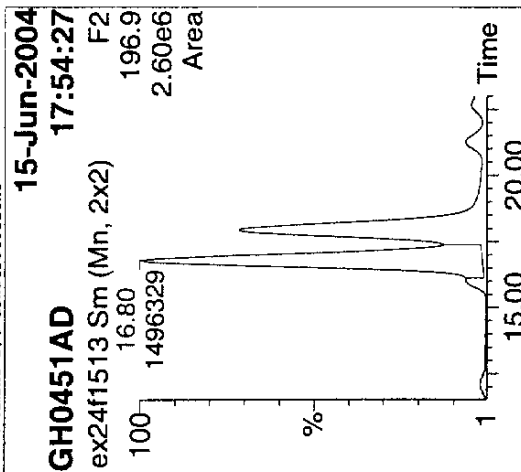
10: Nitrobenzene



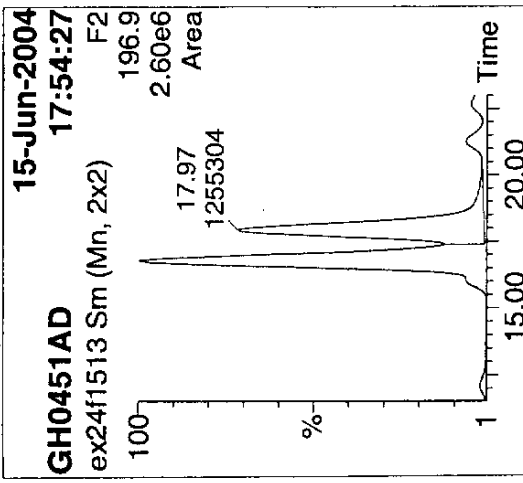
11: 2,4,6-Trinitrotoluene



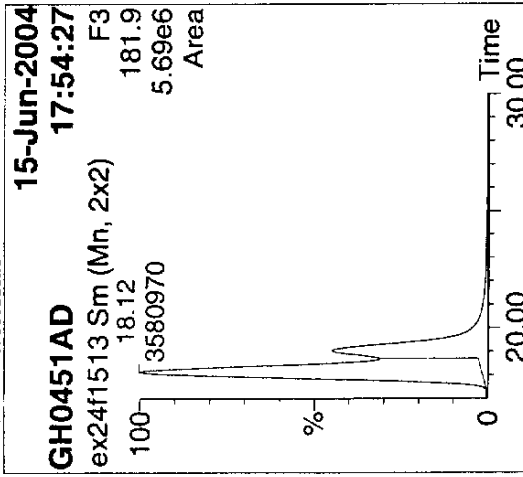
12: 4-Amino-2,6-dinitrotoluene



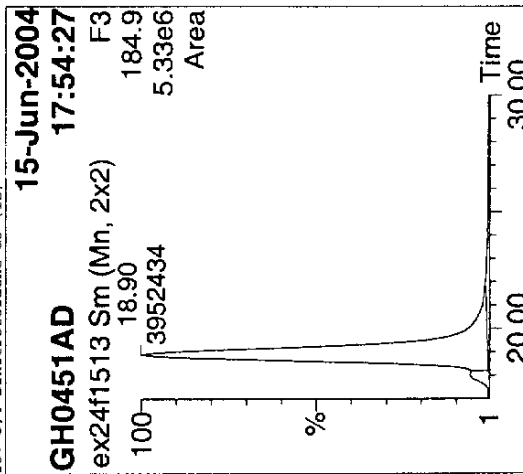
13: 2-Amino-4,6-dinitrotoluene



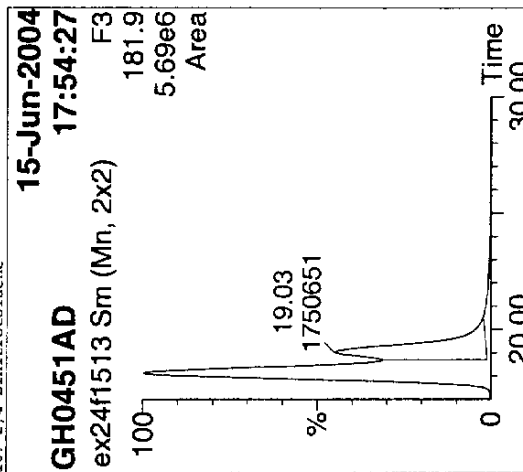
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene

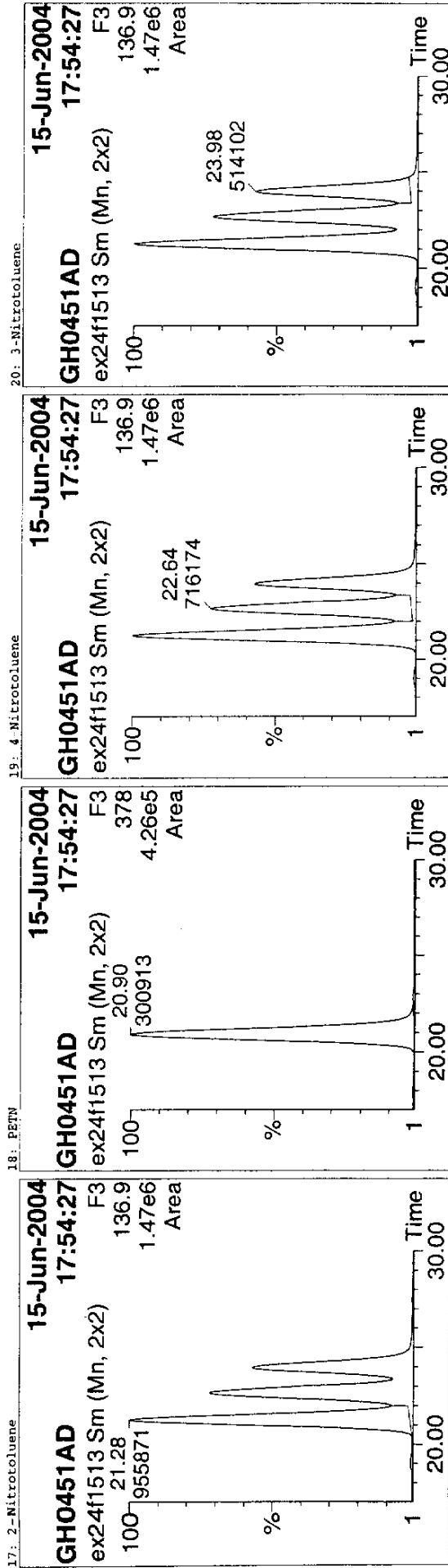


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1513
Text: R4F100000-105 LCSD



# Name	RT	Area	TS Area	Response Flags	Result	%Rec	Mod. Date	Mod. Comment
1 UNX	7.56	2315149	3769562	0.614 bb	0.521	104.28		
2 RDX 13C-3 284 (IS)	9.84	3769562	3769562..	bb	0.955	95.52		
3 RDX	9.82	1300643	0.345 bd		0.531	106.23		
4 1,3,5-Trinitrobenzene	12.09	1085526	1343024	0.808 bb	0.495	99.06		
5 Tetrayl	13.40	1695623	1343024	1.263 dd	0.492	98.40		
6 Dinitrobenzene-d4 (IS)	14.07	1343024	1343024..	bb	1.009	100.89		
7 1,3-Dinitrobenzene	14.20	620456	0.462 bs		0.496	99.17		
8 Nitrobenzene-d5	15.20	510748	0.380 bb		0.462	92.48		
9 Nitroglycerin	14.67	75570	0.056 dd		0.528	105.69		
10 Nitrobenzene	15.40	553336	1343024	0.412 bb	0.492	98.34		
11 2,4,6-Trinitrotoluene	16.00	2418273	1343024	1.801 bb	0.448	89.52		
12 4-Amino-2,6-dinitrotoluene	16.80	1498329	3952434	0.379 dd	0.489	97.89		
13 2-Amino-4,6-dinitrotoluene	17.97	1258304	3952434	0.318 db	0.496	99.17		
14 2,6-Dinitrotoluene	18.12	3580970	3952434	0.906 bd	0.492	98.45		
15 2,4-Dinitrotoluene-d3 (IS)	18.90	3952434	3952433..	ds	1.017	101.67		
16 2,4-Dinitrotoluene	19.03	1750651	3952434	0.443 db	0.517	103.38		
17 2-Nitrotoluene	21.28	955871	0.242 bd		0.441	88.26		
18 PETN	20.90	300913	3952434	0.076 bb	0.428	85.63		
19 4-Nitrotoluene	22.64	716174	3952434	0.181 dd	0.441	88.28		
20 3-Nitrotoluene	23.98	514102	3952434	0.130 db	0.433	86.69		

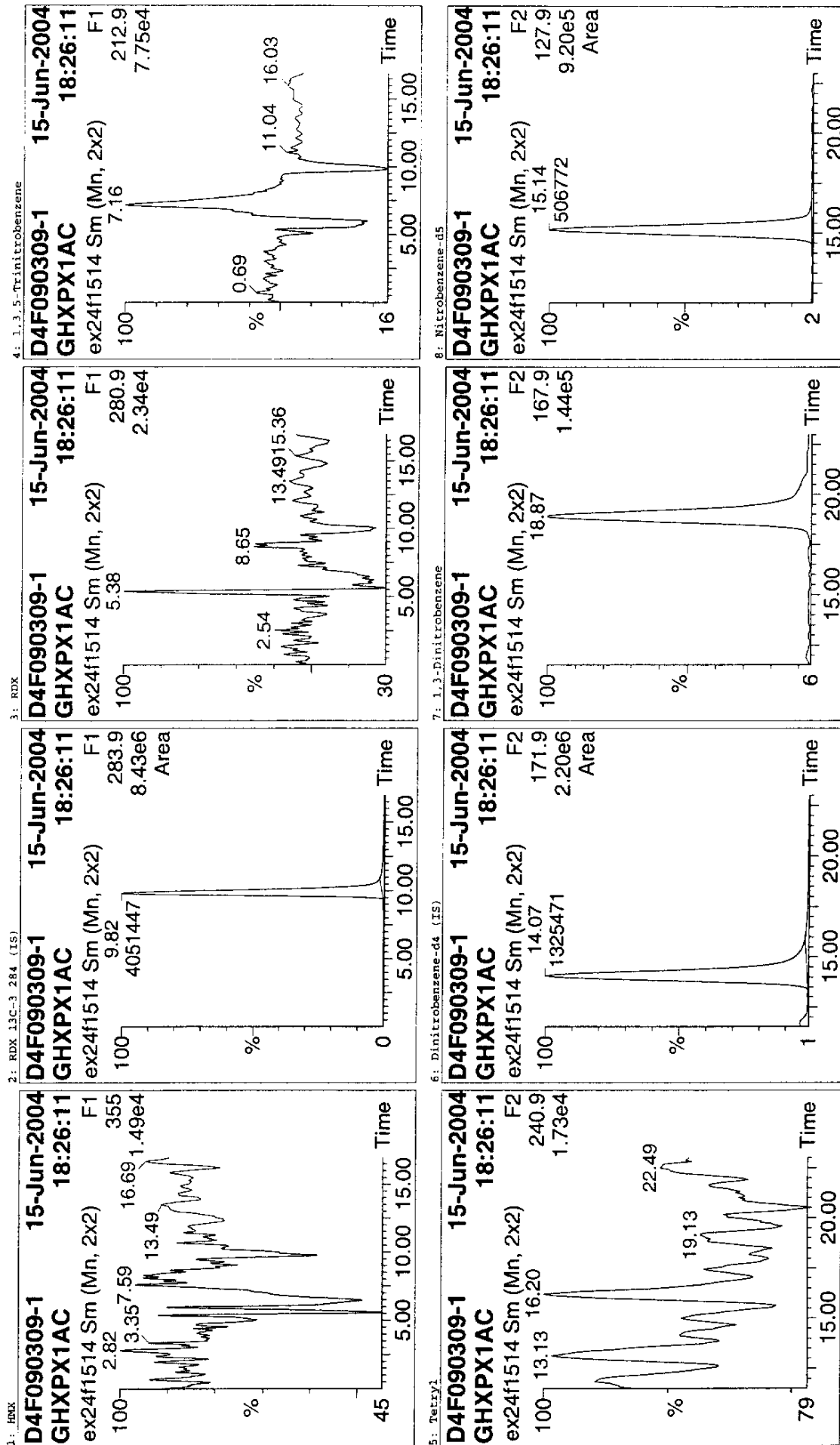
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f1515(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Job Code: Wed Jun 16 07:24:50 2004

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1514
Text: D4F090309-1



Analyst: Steve Cowling

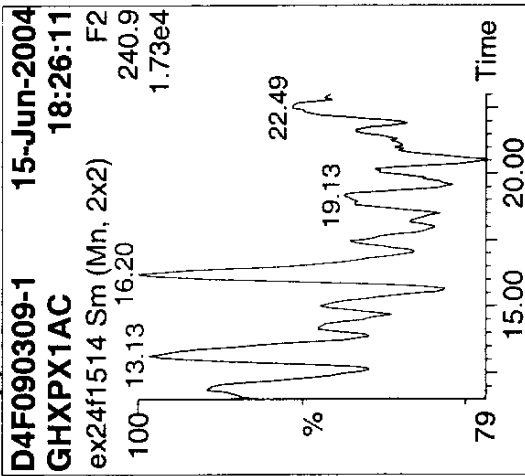
Quantify Sample Report
Explosives Analysis

Sample list: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

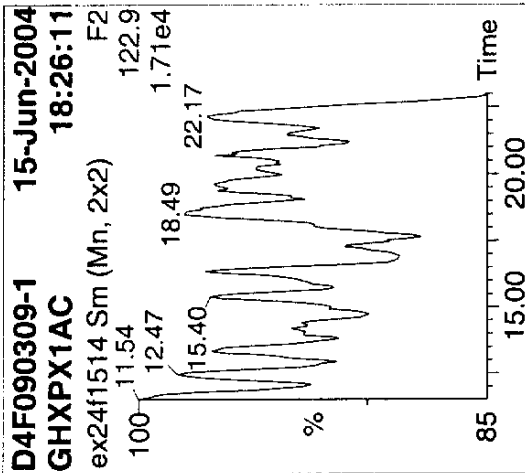
Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1514
Text: D4F090309-1

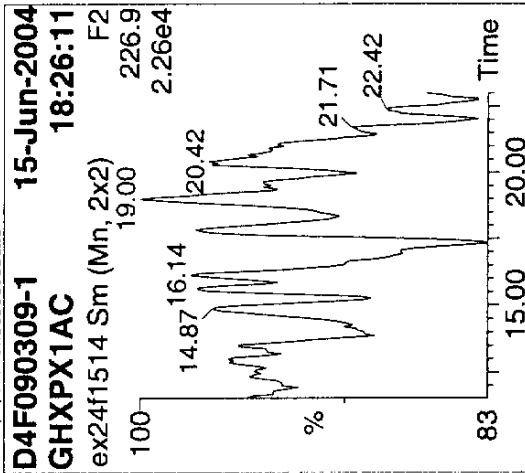
9: Nitroglycerin



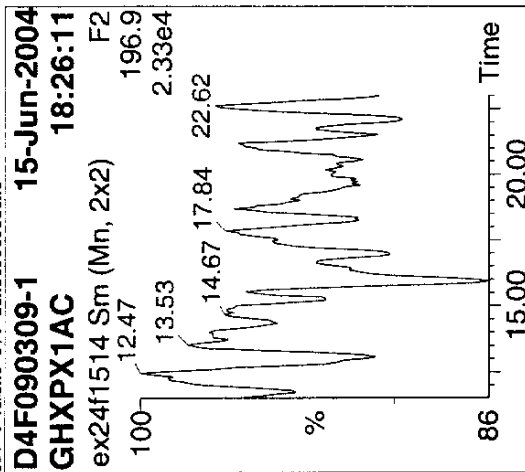
10: Nitrobenzene



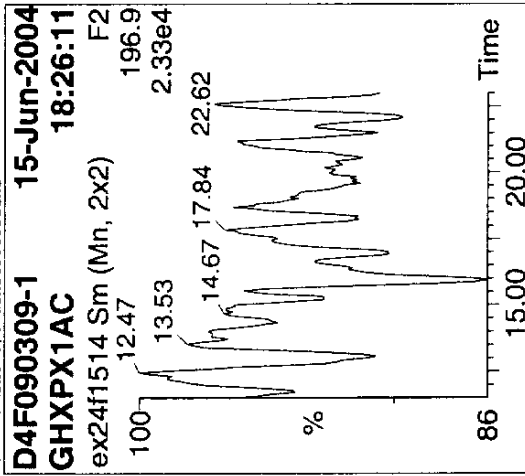
11: 2,4,6-Trinitrotoluene



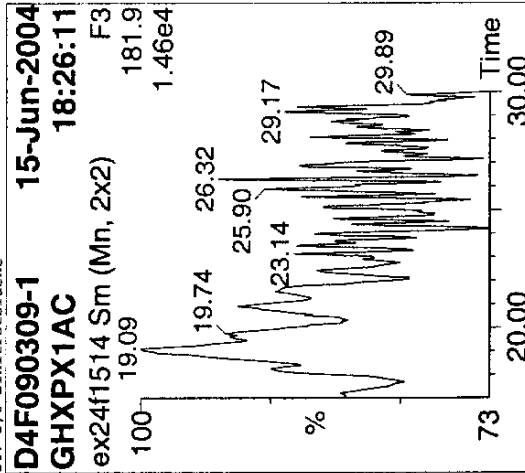
12: 4-Amino-2,6-dinitrotoluene



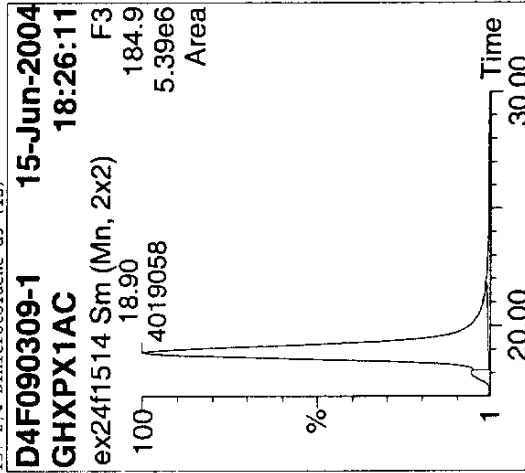
13: 2-Amino-4,6-dinitrotoluene



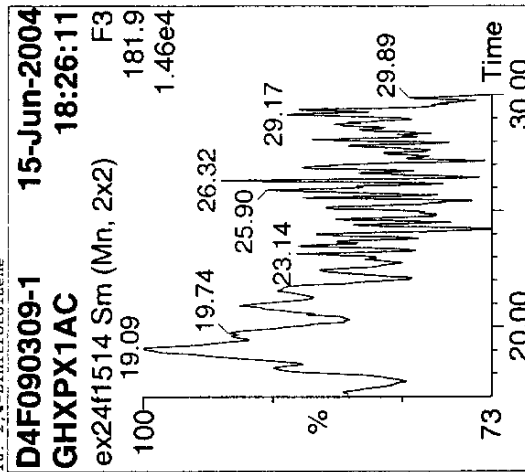
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene-d3 (IS)



16: 2,4-Dinitrotoluene



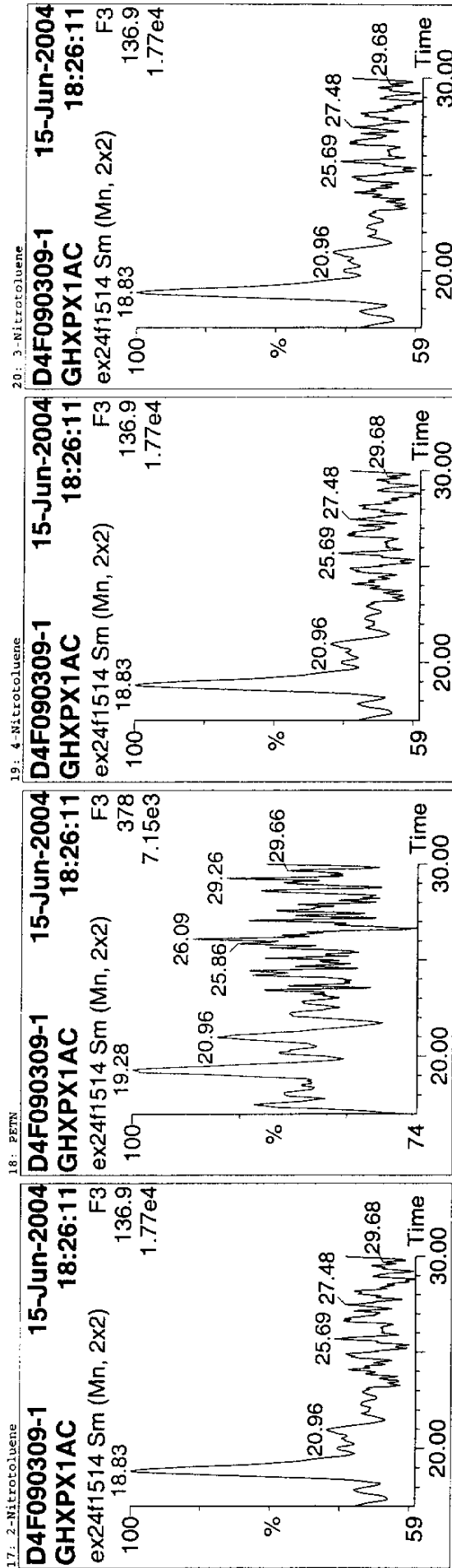
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1514
Text: D4F090309-1



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.	Data	Mod.	Comment
1 HXK			4051447								
2 RDX 13C-3 284 (IS)	9.82	4051447									
3 RDX			4051447								
4 1,3,5-Trinitrobenzene			1325471								
5 Tetrayl			1325471								
6 Dinitrobenzene-d4 (IS)	14.07	1325471									
7 1,3-Dinitrobenzene			1325471								
8 Nitrobenzene-d5	15.14	506772									
9 Nitroglycerin			1325471								
10 Nitrobenzene			1325471								
11 2,4,6-Trinitrotoluene			1325471								
12 4-Amino-2,6-dinitrotoluene			1325471								
13 2-Amino-4,6-dinitrotoluene			4019058								
14 2,6-Dinitrotoluene			4019058								
15 2,4-Dinitrotoluene-d3 (IS)			4019058								
16 2,4-Dinitrotoluene	18.90	4019058									
17 2-Nitrotoluene			4019058								
18 PETN			4019058								
19 4-Nitrotoluene			4019058								
20 3-Nitrotoluene			4019058								

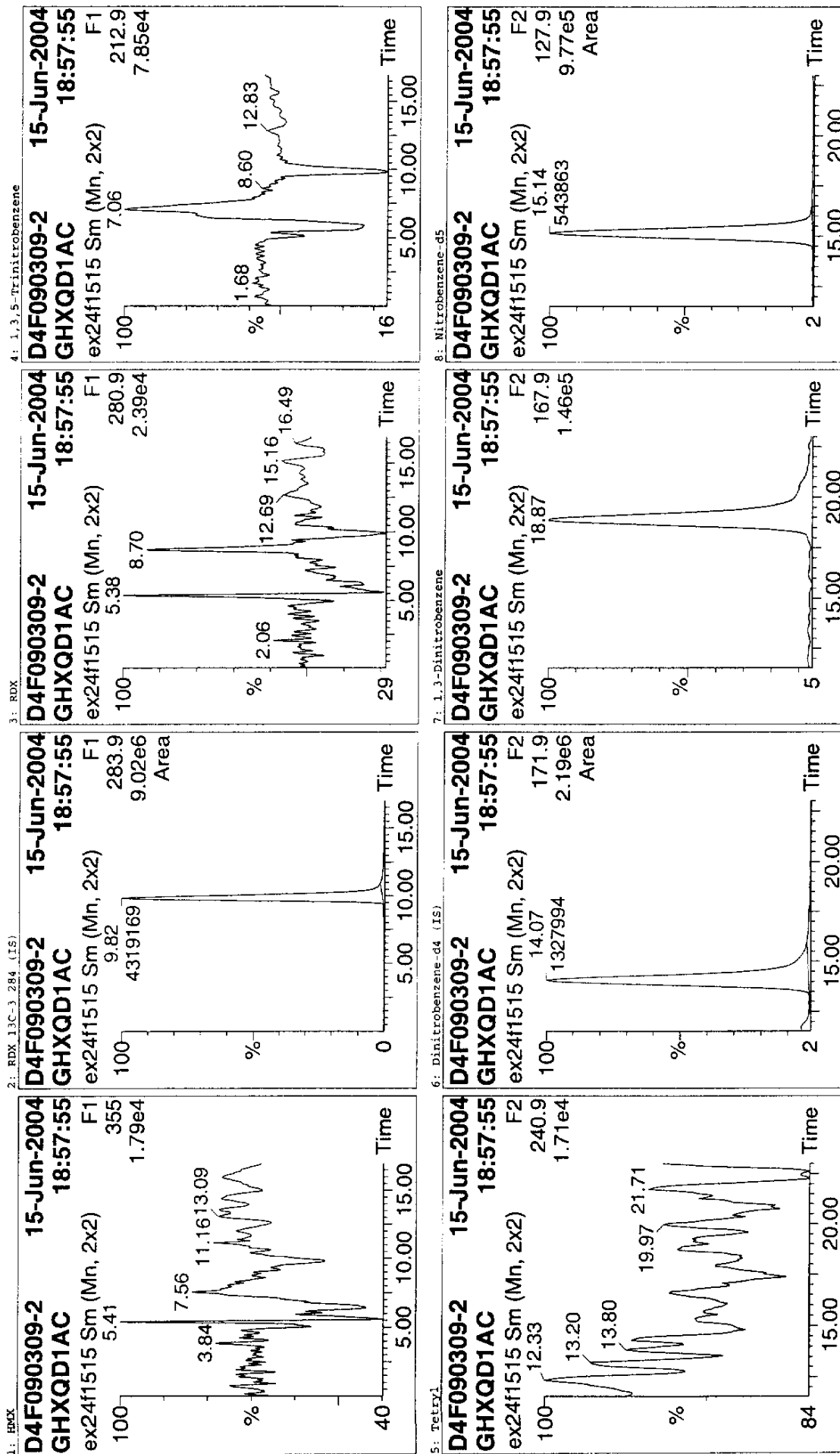
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1515
Text: D4F090309-2



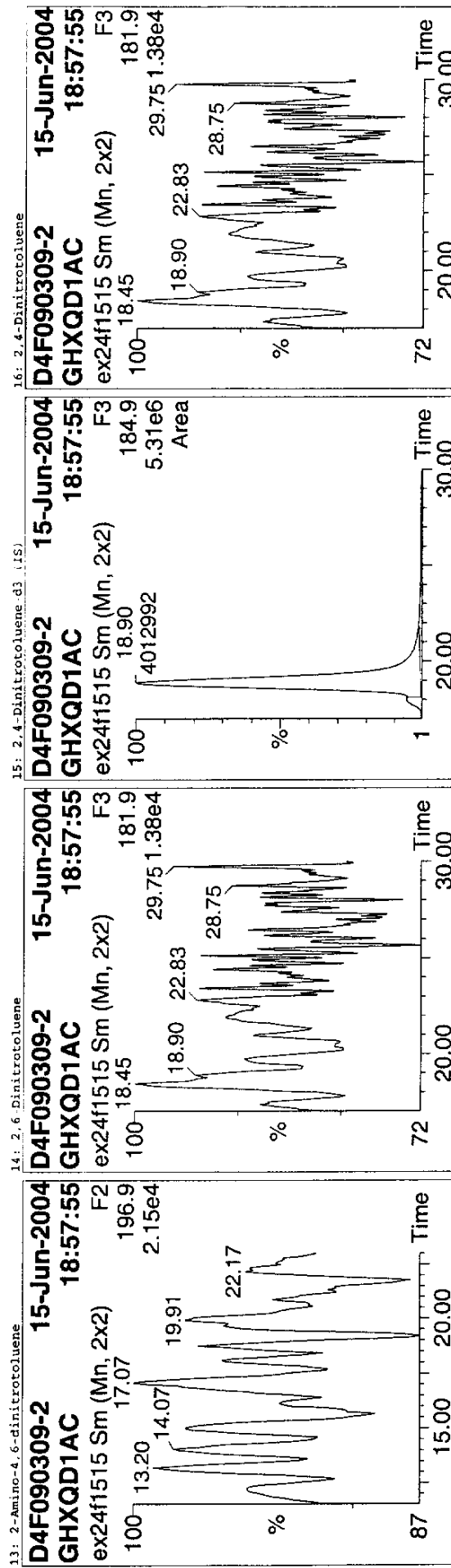
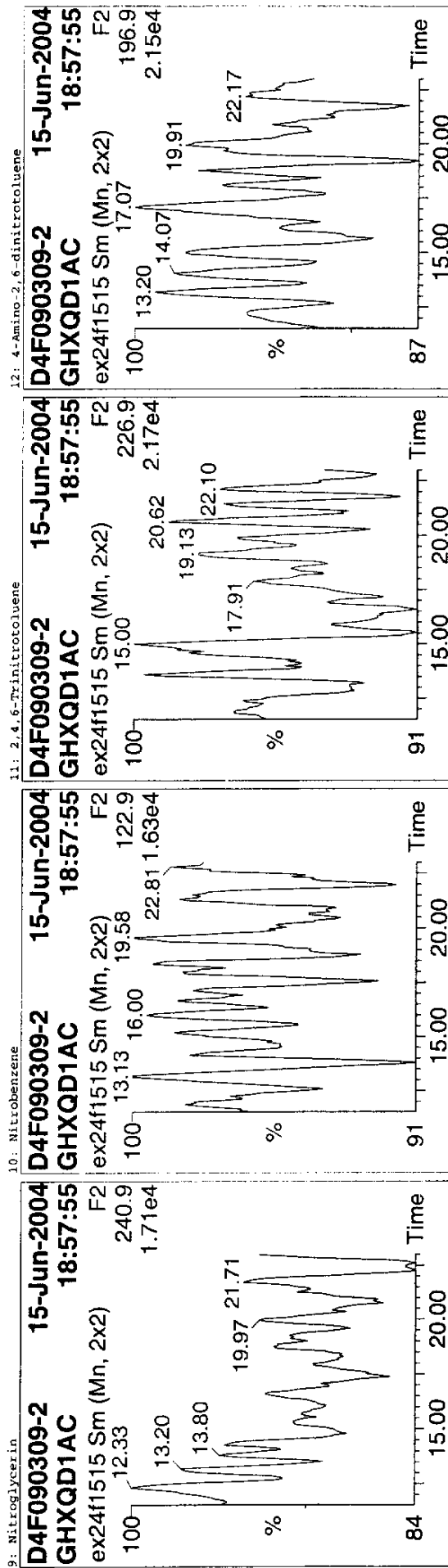
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1515
Text: D4F090309-2



Analyst: Steve Cowling

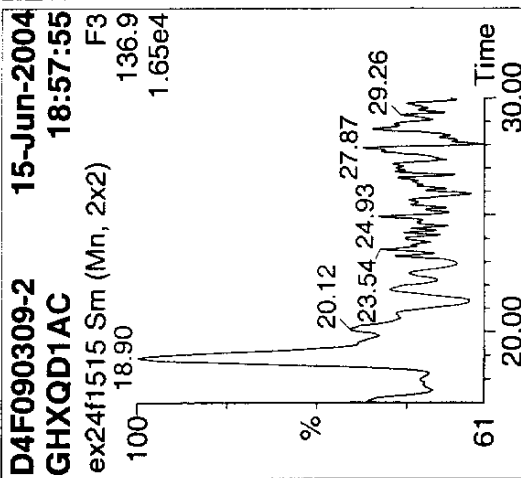
Quantify Sample Report Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

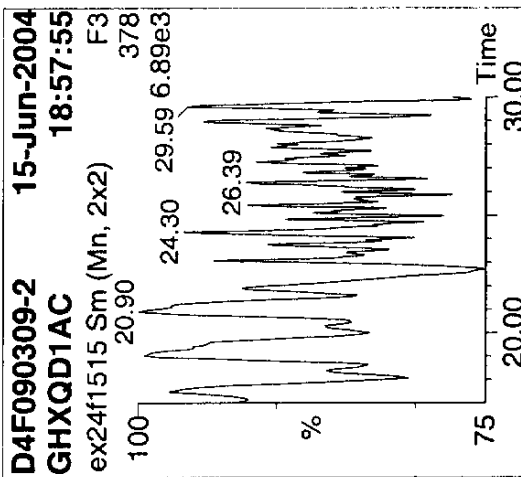
Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1515
Test: D4F090309-2

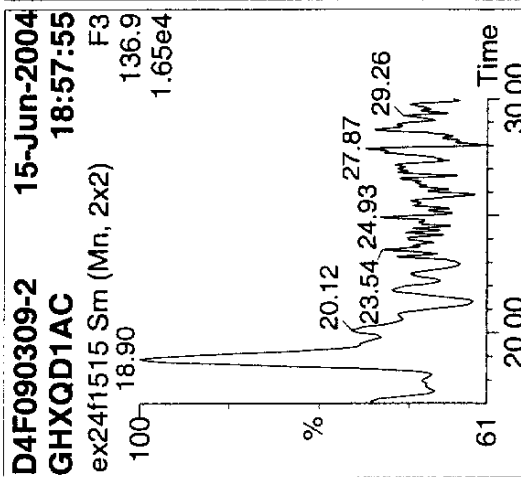
17: 2-Nitrotoluene



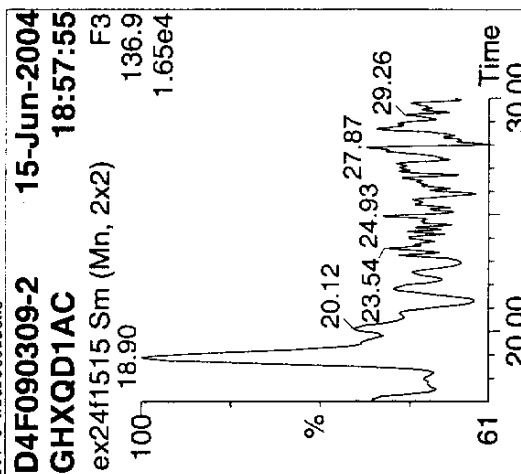
18: PETN



19: 4-Nitrotoluene



20: 3-Nitrotoluene



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1 HMX	9.82	4319169	4319169	4319169...	bb	1.095	109.45		
2 RDX 13C-3 284 (IS)									
3 RDX			4319169						
4 1,3,5-Trinitrobenzene			1327994						
5 Tetryl			1327994						
6 Dinitrobenzene-d4 (IS)	14.07	1327994	1327994	1327993...	bb	0.998	99.76		
7 1,3-Dinitrobenzene									
8 Nitrobenzene-d5	15.14	543863	1327994	0.410	bb	0.470	99.68		
9 Nitroglycerin			1327994						
10 Nitrobenzene			1327994						
11 2,4,6-Trinitrotoluene			1327994						
12 4-Amino-2,6-dinitrotoluene			1327994						
13 2-Amino 4,6-dinitrotoluene			4012992						
14 2,6-Dinitrotoluene			4012992						
15 2,4-Dinitrotoluene-d3 (IS)			4012992						
16 2,4-Dinitrotoluene	18.90	4012992	4012991...	ds		1.032	103.23		
17 2-Nitrotoluene			4012992						
18 PETN			4012992						
19 4-Nitrotoluene			4012992						
20 3-Nitrotoluene			4012992						

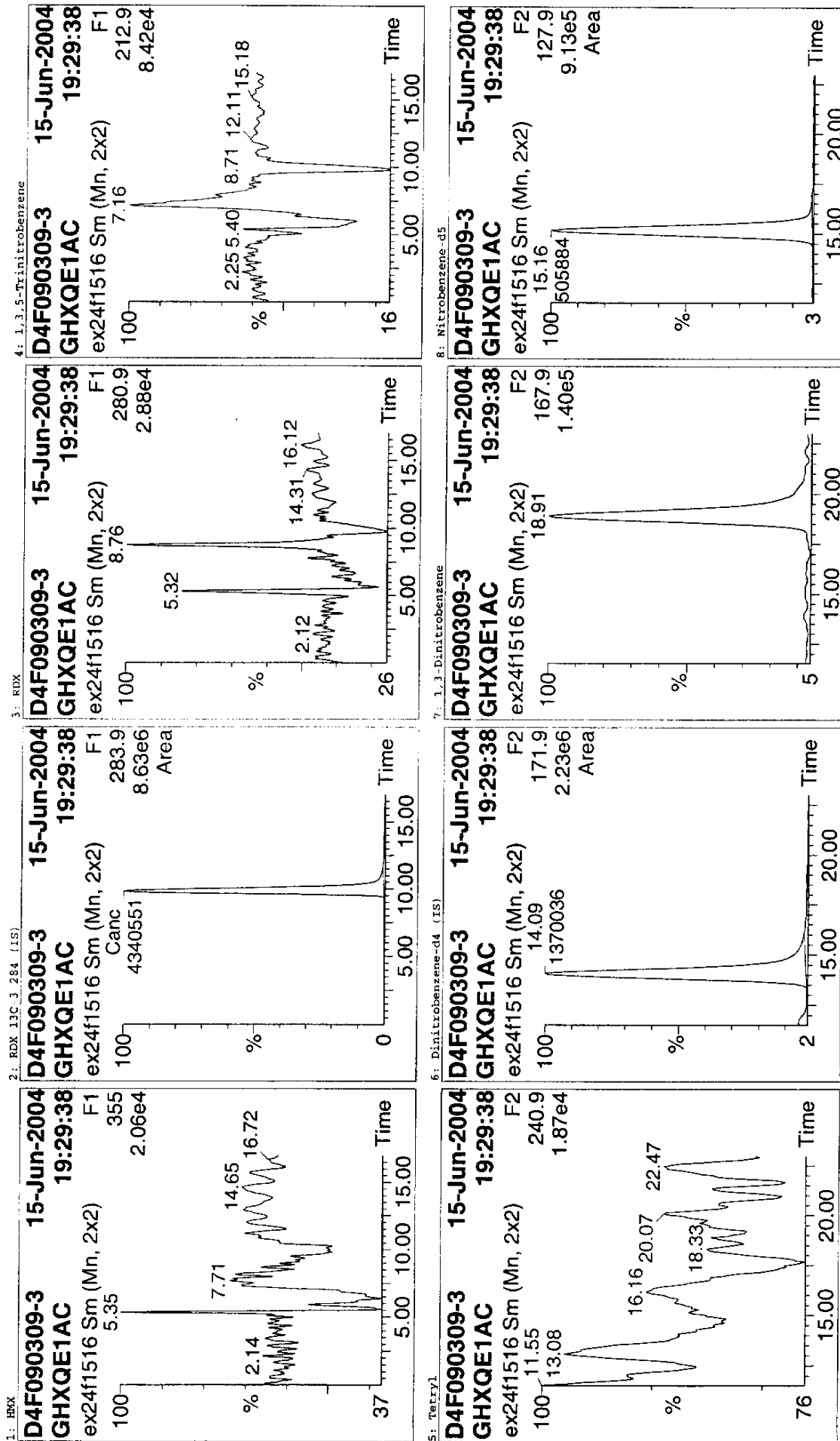
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1516
Text: D4F090309-3



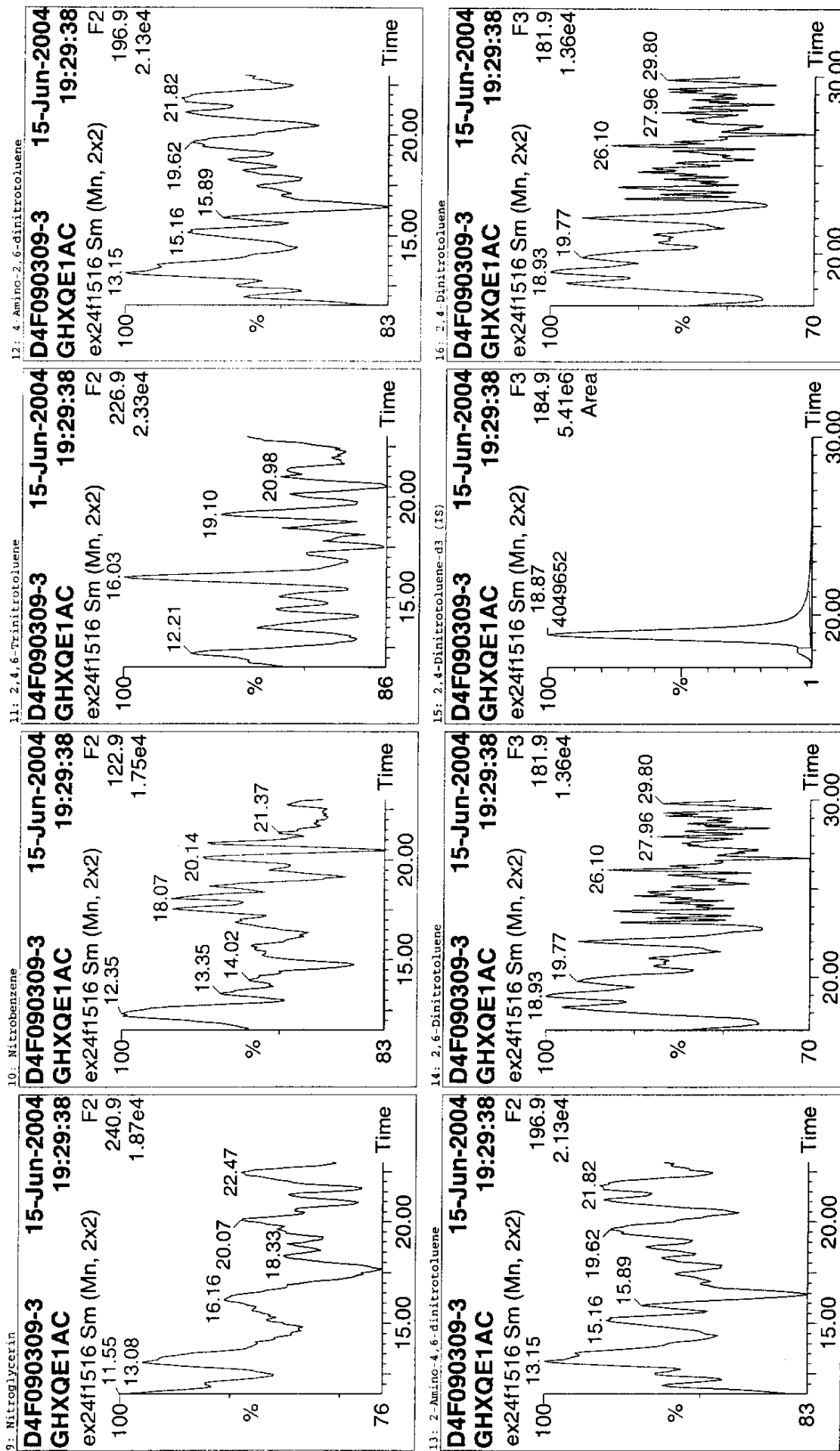
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1516
Text: D4F090309-3



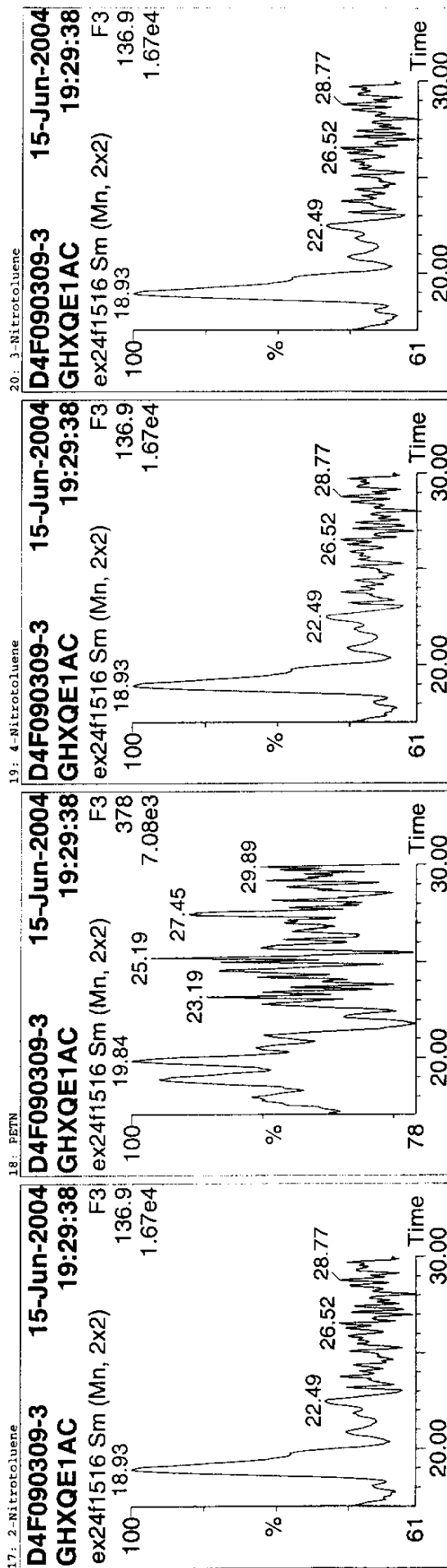
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1516
Text: D4F090309-3



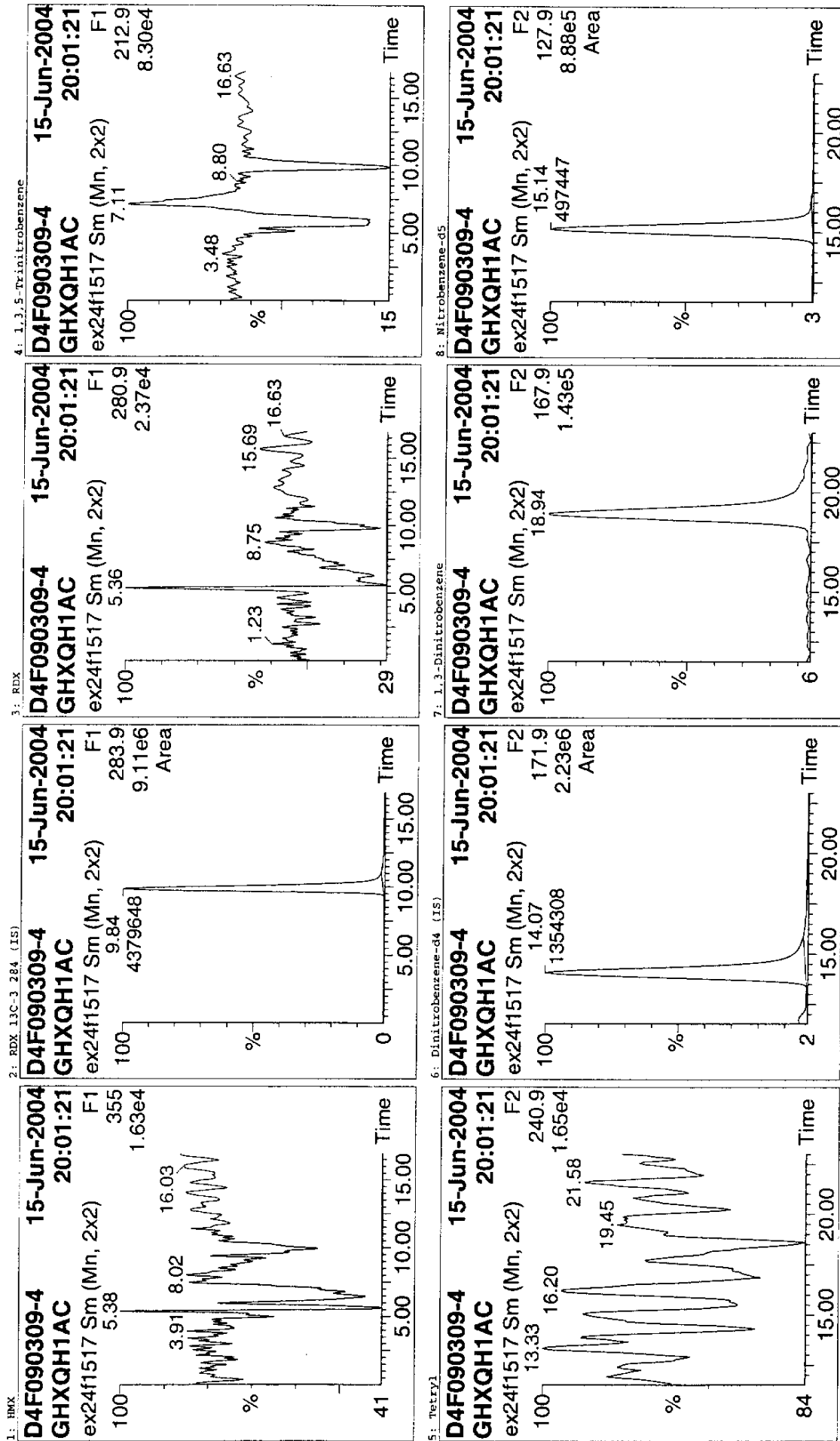
# Name	RT	Area	IS Area	Response Flags	Result	%Rec	Mod.Date	Mod.Comment
1 HMX			4340551					
2 RDX 13C-3 284 (IS)	9.83	4340551	4340551	4340550... bb	1.100	109.99		
3 RDX			1370036					
4 1,3,5-Trinitrobenzene			1370036					
5 Tetrvl			1370036					
6 Dinitrobenzene-d4 (IS)	14.09	1370036	1370036	1370035... bb	1.029	102.92		
7 1,3-Dinitrobenzene			1370036					
8 Nitrobenzene-d5	15.16	505884	1370036	0.369 bb	0.425	89.75		
9 Nitroglycerin			1370036					
10 Nitrobenzene			1370036					
11 2,4,6-Trinitrotoluene			1370036					
12 4-Amino-2,6-dinitrotoluene			4049652					
13 2-Amino-4,6-dinitrotoluene			4049652					
14 2,6-Dinitrotoluene			4049652					
15 2,4-Dinitrotoluene-d3 (IS)			4049652	4049652... ds	1.042	104.17		
16 2,4-Dinitrotoluene	18.87	4049652	4049652					
17 2-Nitrotoluene			4049652					
18 PETN			4049652					
19 4-Nitrotoluene			4049652					
20 3-Nitrotoluene			4049652					

Analyst: Steve Cowling

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1517
Text: D4F090309-4

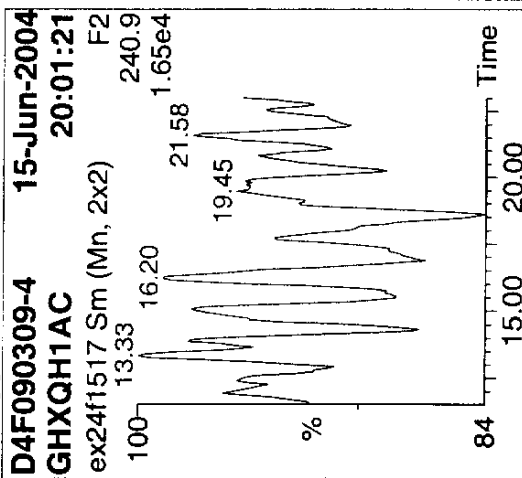


Sample List: C:\Masslyn\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslyn\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

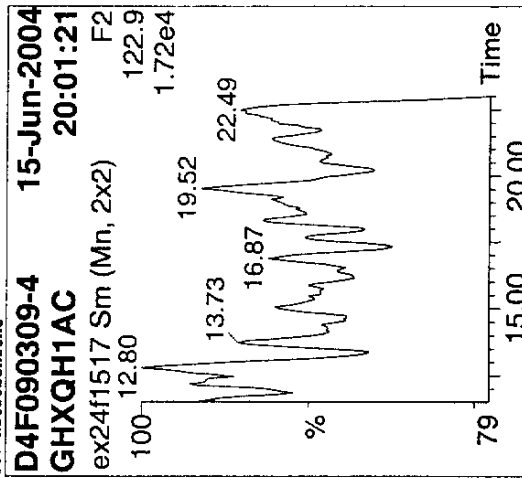
Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1517
Text: D4F090309-4

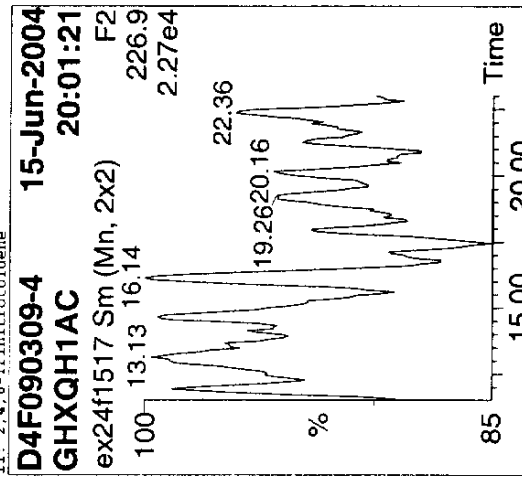
9: Nitroglycerin



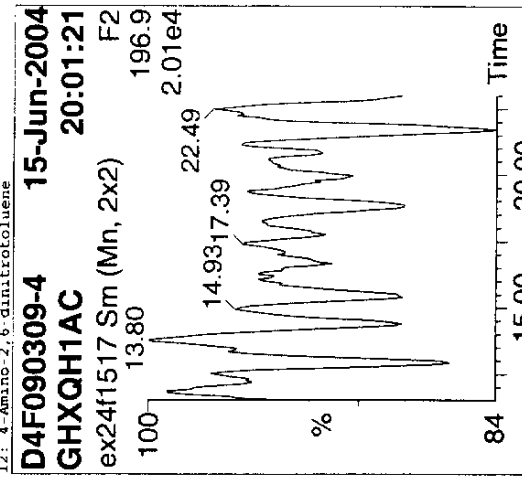
10: Nitrobenzene



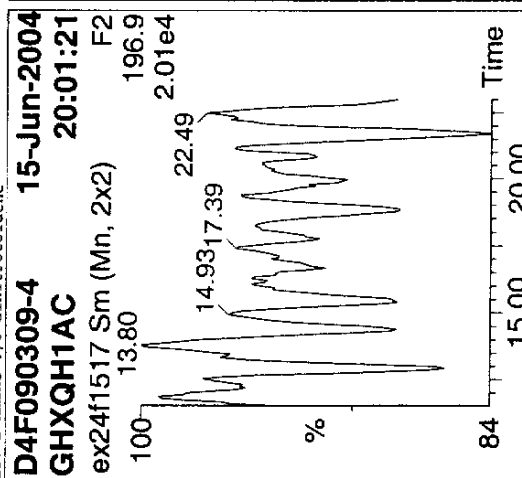
11: 2,4,6-Trinitrotoluene



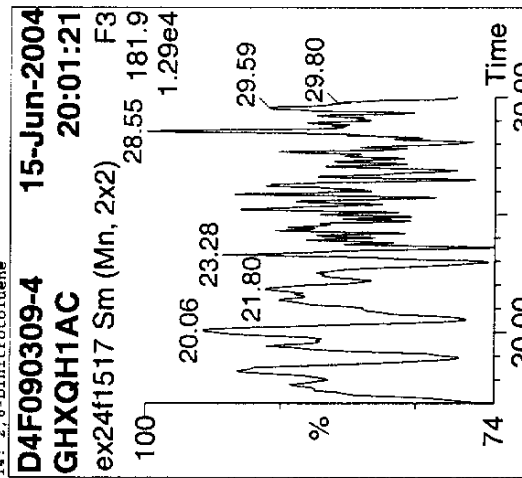
12: 4-Amino-2,6-dinitrotoluene



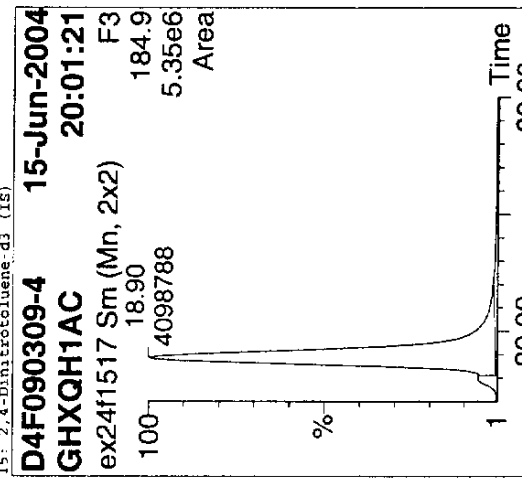
13: 2-Amino-4,6-dinitrotoluene



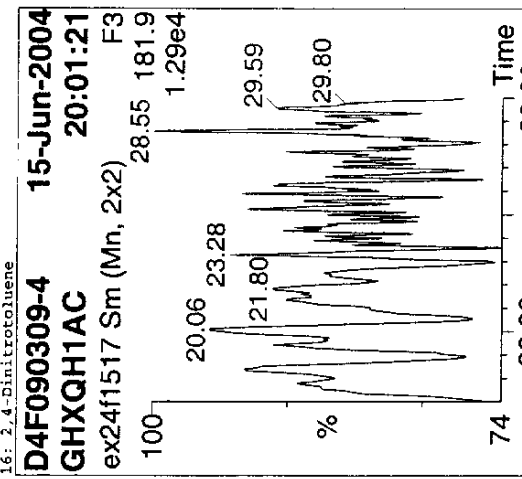
14: 2,6-Dinitrotoluene



15: 2,4-Dinitrotoluene, d3 (IS)



16: 2,4-Dinitrotoluene

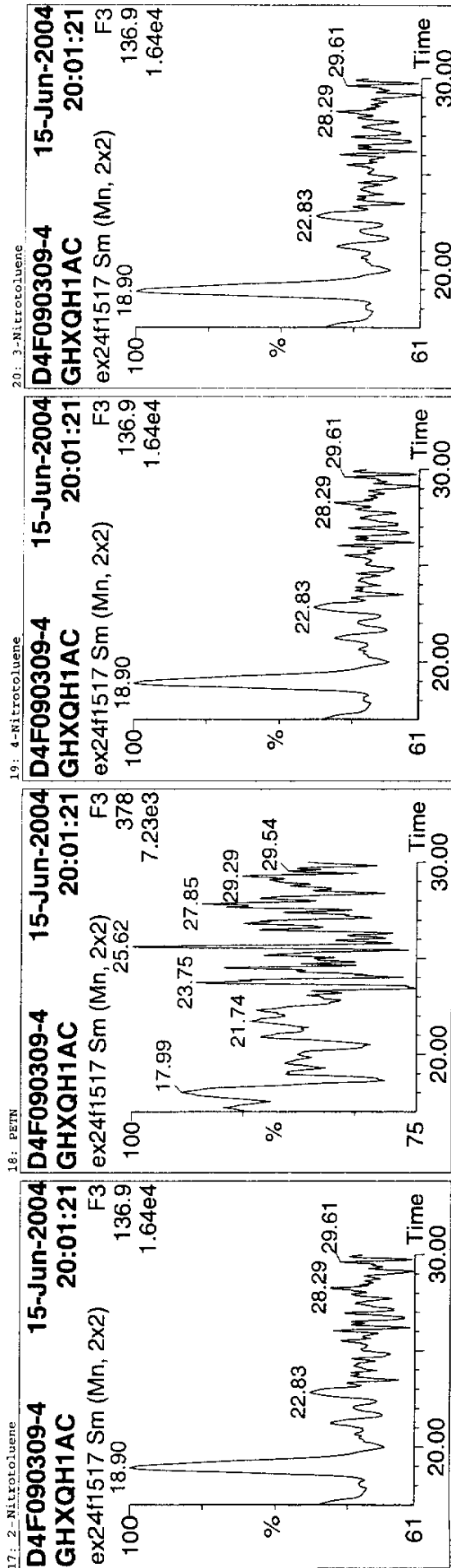


Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1517
Text: D4F090309-4



# Name	RT	Area	IS Area	Response Flags	Result	%Rec	Mod.Date	Mod.Comment
1 DMX			4379648					
2 RDX 13C-3 284 (IS)	9.84	4379648	4379648	4379648... bb	1.110	110.98		
3 RDX			4379648					
4 1,3,5-Trinitrobenzene			1354308					
5 Tetryl			1354308					
6 Dinitrobenzene-d4 (IS)	14.07	1354308	1354308	1354307... bb	1.017	101.74		
7 1,3-Dinitrobenzene			1354308					
8 Nitrobenzene-d5	15.14	497447	1354308	0.367 bb	0.423	89.28		
9 Nitroglycerin			1354308					
10 Nitrobenzene			1354308					
11 2,4,6-Trinitrotoluene			1354308					
12 Amino-2,6-dinitrotoluene			4098788					
13 2-Amino-4,6-dinitrotoluene			4098788					
14 2,6-Dinitrotoluene			4098788					
15 2,4-Dinitrotoluene-d3 (IS)	18.90	4098788	4098788	4098788... ds	1.054	105.43		
16 2,4-Dinitrotoluene			4098788					
17 2-Nitrotoluene			4098788					
18 PETN			4098788					
19 4-Nitrotoluene			4098788					
20 3-Nitrotoluene			4098788					

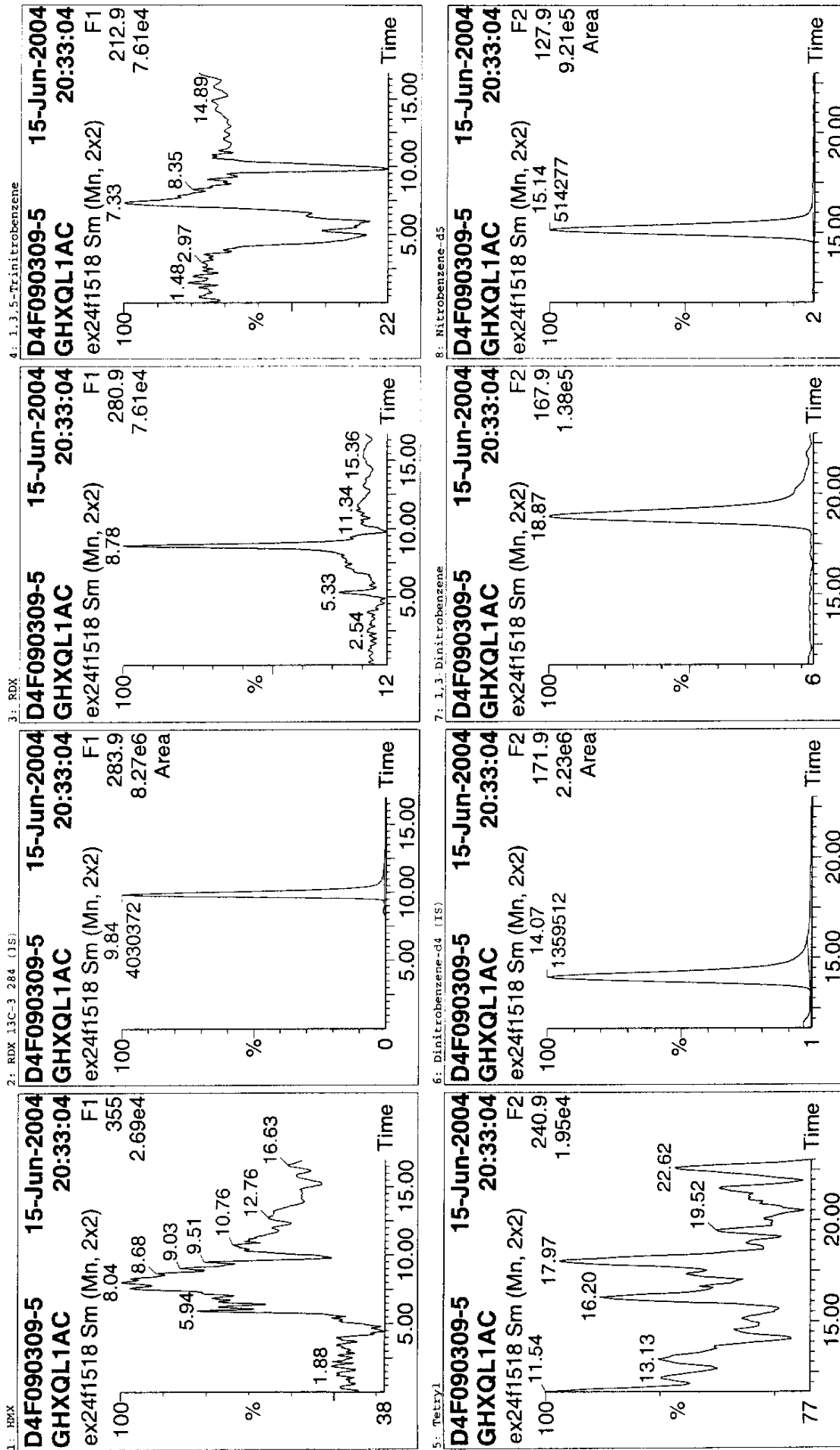
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1518
Text: D4F090309-5



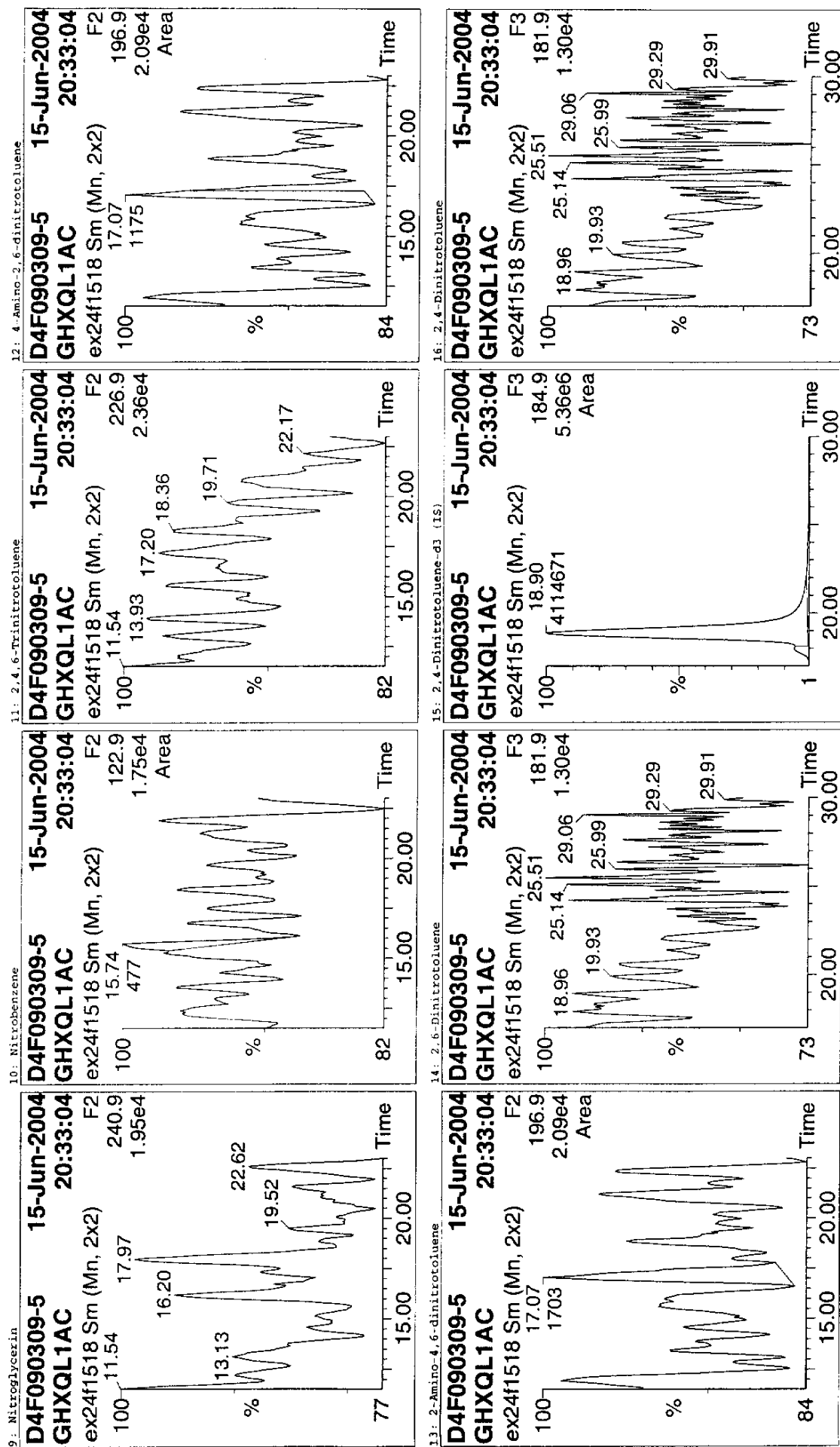
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1518
Text: D4F090309-5



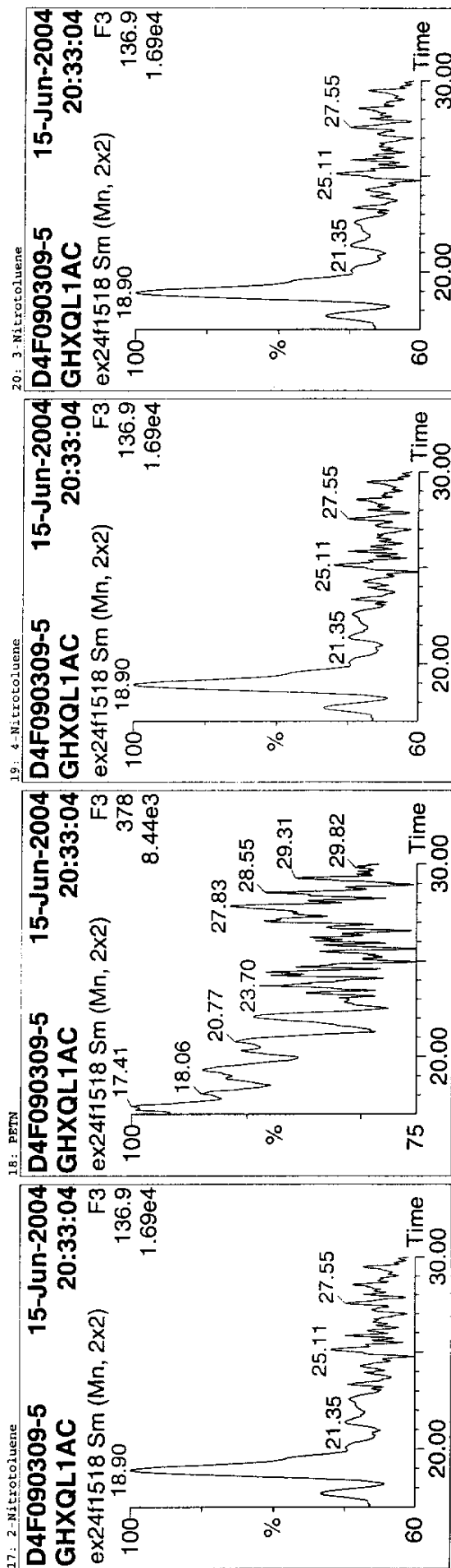
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1518
Text: D4F090309-5



#	Name	RT	Area	IS Area	Response	Flags	Result	Area	Mod.	Date	Mod.	Comment
1	HEX			4030372								
2	RDX 13C-3 284 (IS)	9.84	4030372		4030372	bb	1.021	102.13				
3	RDX			4030372								
4	1,3,5-Trinitrobenzene			1359512								
5	Tetryl			1359512								
6	Dinitrobenzene-d4 (IS)	14.07	1359512		1359511	bb	1.021	102.13				
7	1,3-Dinitrobenzene			1359512								
8	Nitrobenzene-d5	15.14	514277		1359512	0.378 bb	0.438	91.98				
9	Nitroglycerin											
10	Nitrobenzene	15.73	477		1359512	0.000 bb	0.000					
11	2,4,6-Trinitrotoluene				1359512							
12	4-Amino-2,6-dinitrotoluene	17.07	1175		1359512							
13	2-Amino-4,6-dinitrotoluene	17.07	1703		4114671	0.000 bs	0.000					
14	2,6-Dinitrotoluene				4114671	0.000 bb	0.000					
15	2,4-Dinitrotoluene-d3 (IS)	18.90	4114671		4114671	ds	1.058	105.84				
16	2,4-Dinitrotoluene				4114671							
17	2-Nitrotoluene				4114671							
18	PETN				4114671							
19	4-Nitrotoluene				4114671							
20	3-Nitrotoluene				4114671							

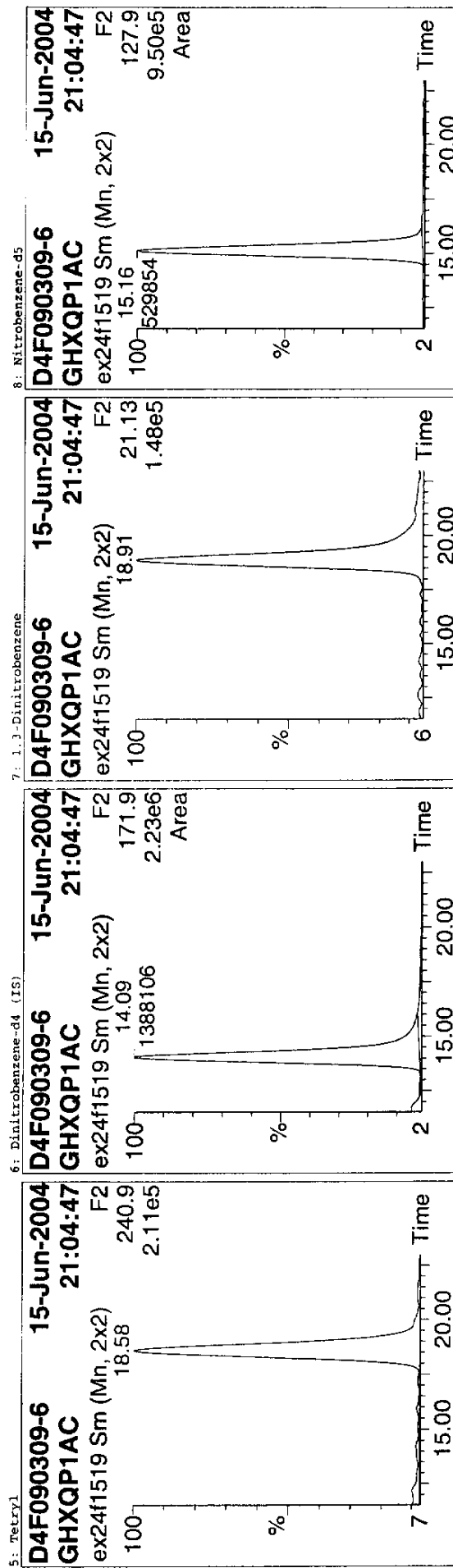
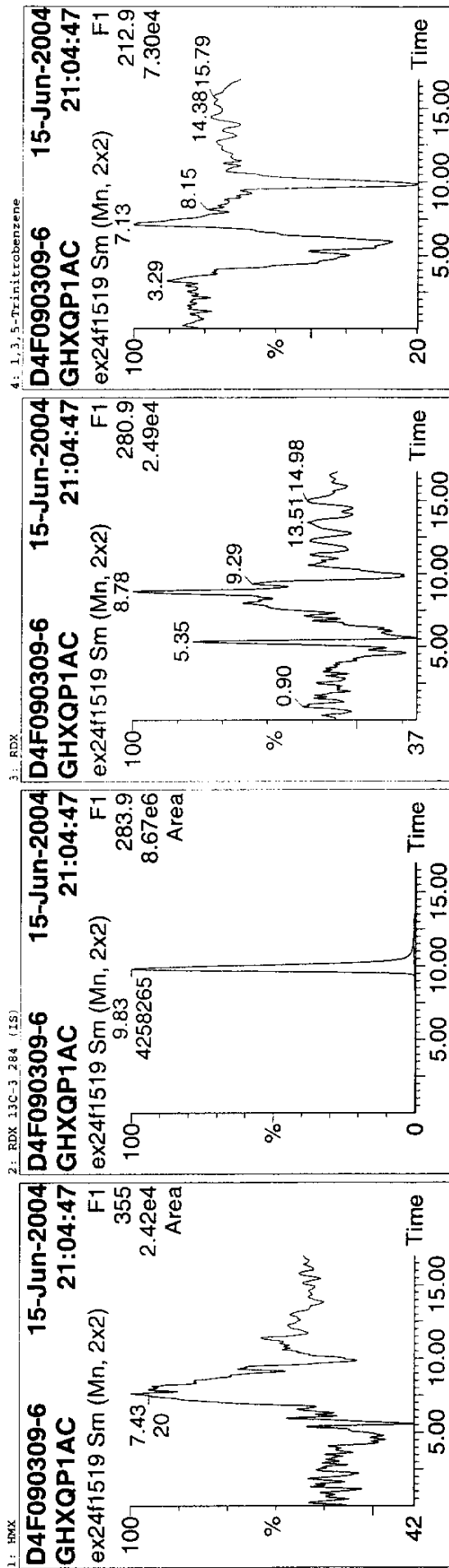
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives_PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:06:54 2004
Method: C:\Masslynx\Explosives_PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1519
Text: D4F090309-6



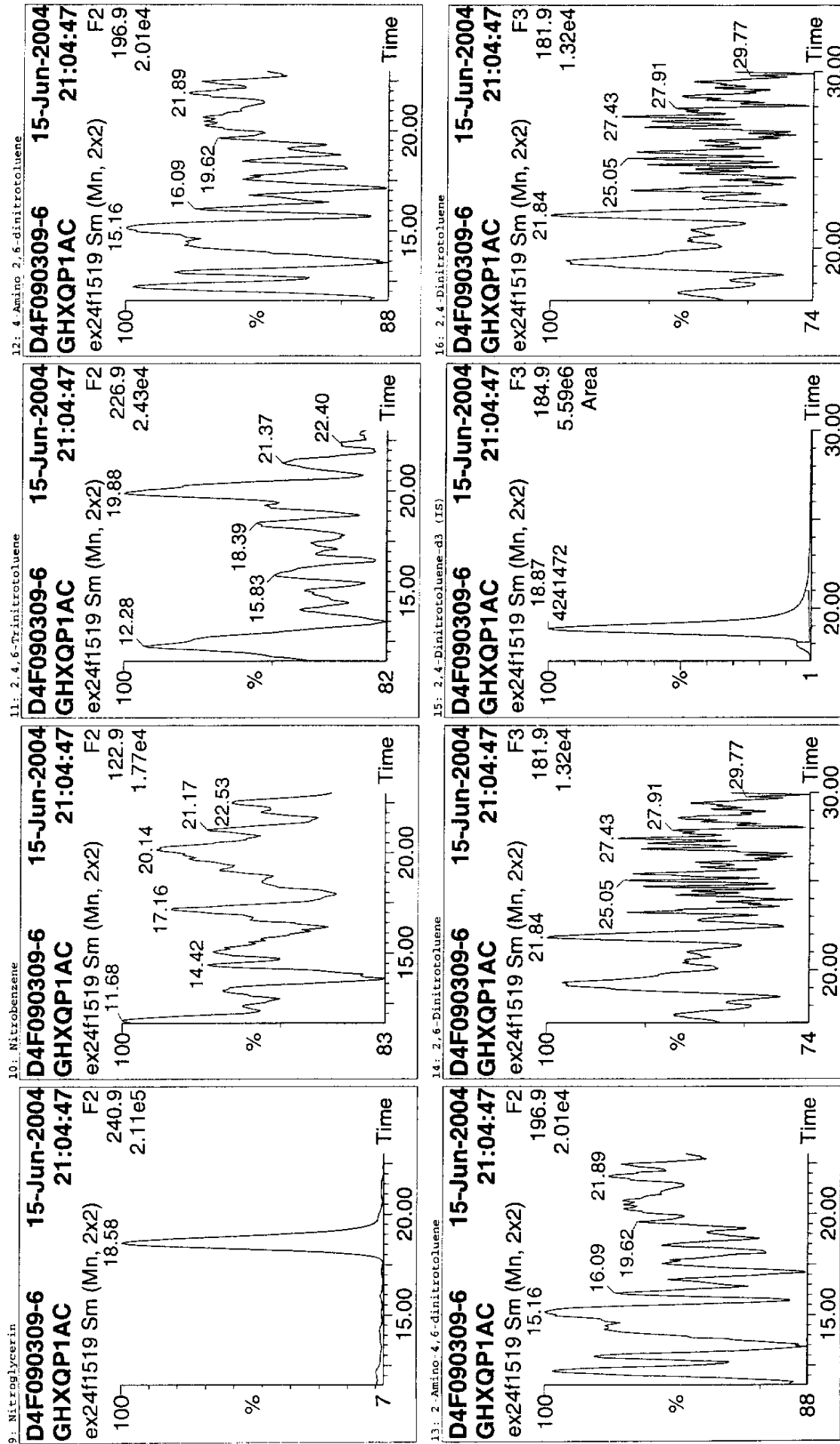
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1519
Text: D4F090309-6



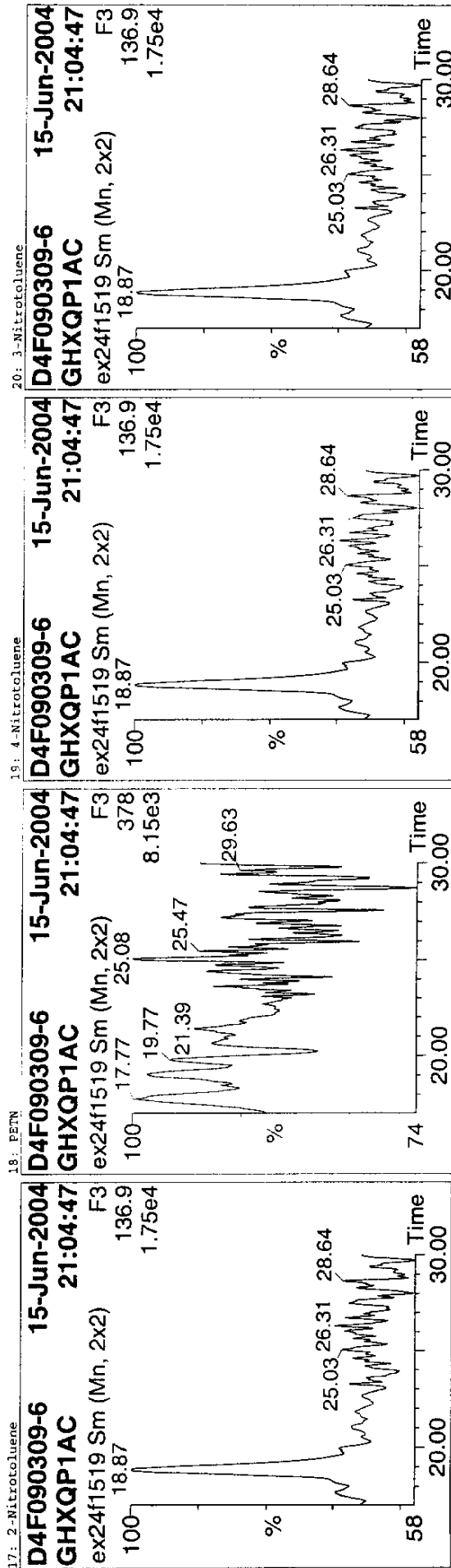
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1519
Test: D4F090309-6



# Name	RT	Area	IS Area	Response	Flags	Result	%Rec	Mod.Date	Mod.Comment
1 HMX	7.43	20	4258265	0.000	bb	0.000			
2 RDX 13C-3 284 (IS)	9.83	4258265	4258265	0.000	bb	1.079	107.91		
3 RDX			1388106						
4 1,3,5-Trinitrobenzene			1388106						
5 Tetrayl			1388106						
6 Dinitrobenzene-d4 (IS)	14.09	1388106	1388106	0.382	bb	1.043	104.28		
7 1,3-Dinitrobenzene			1388106						
8 Nitrobenzene-d5	15.16	529854	1388106			0.438	92.82		
9 Nitroglycerin			1388106						
10 Nitrobenzene			1388106						
11 2,4,6-Trinitrotoluene			4241472						
12 4-Amino-2,6-dinitrotoluene			4241472						
13 2-Amino-4,6-dinitrotoluene			4241472						
14 2,6-Dinitrotoluene			4241472						
15 2,4-Dinitrotoluene-d3 (IS)			4241472						
16 2,4-Dinitrotoluene	18.87	4241472	4241472	1.091	ds	1.091	109.11		
17 2-Nitrotoluene			4241472						
18 PETN			4241472						
19 4-Nitrotoluene			4241472						
20 3-Nitrotoluene			4241472						

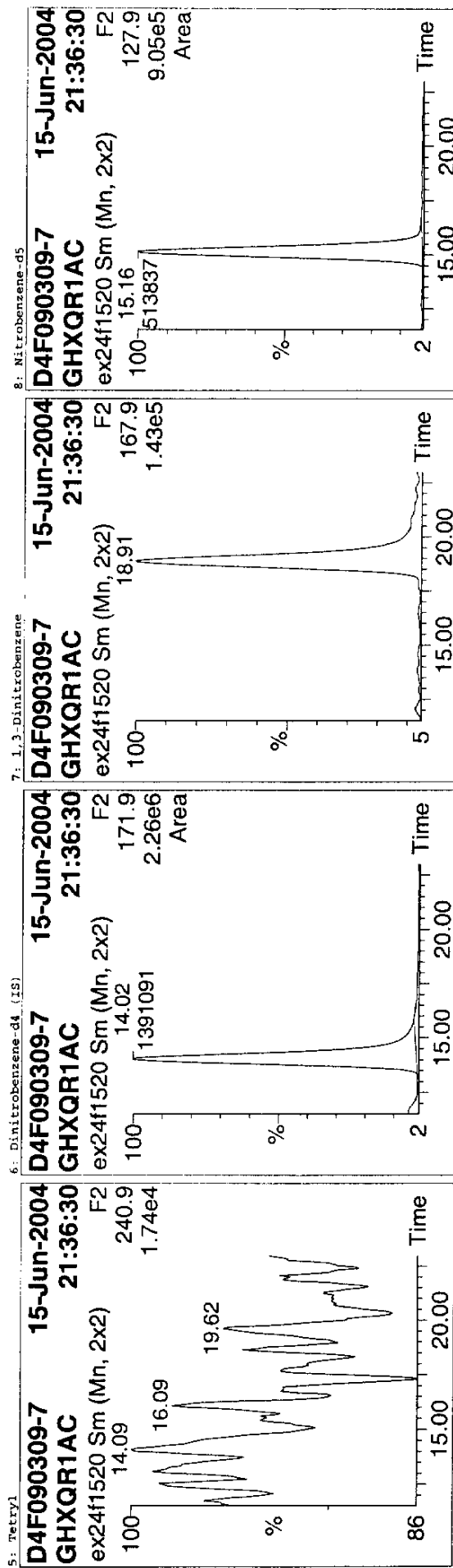
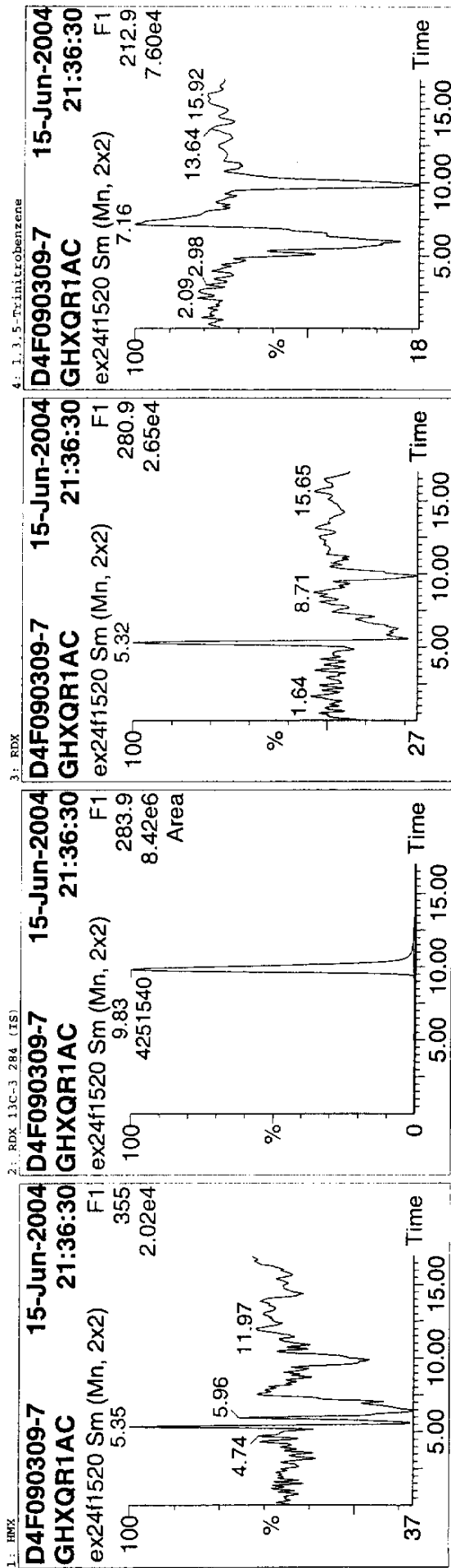
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1520
Text: D4F090309-7



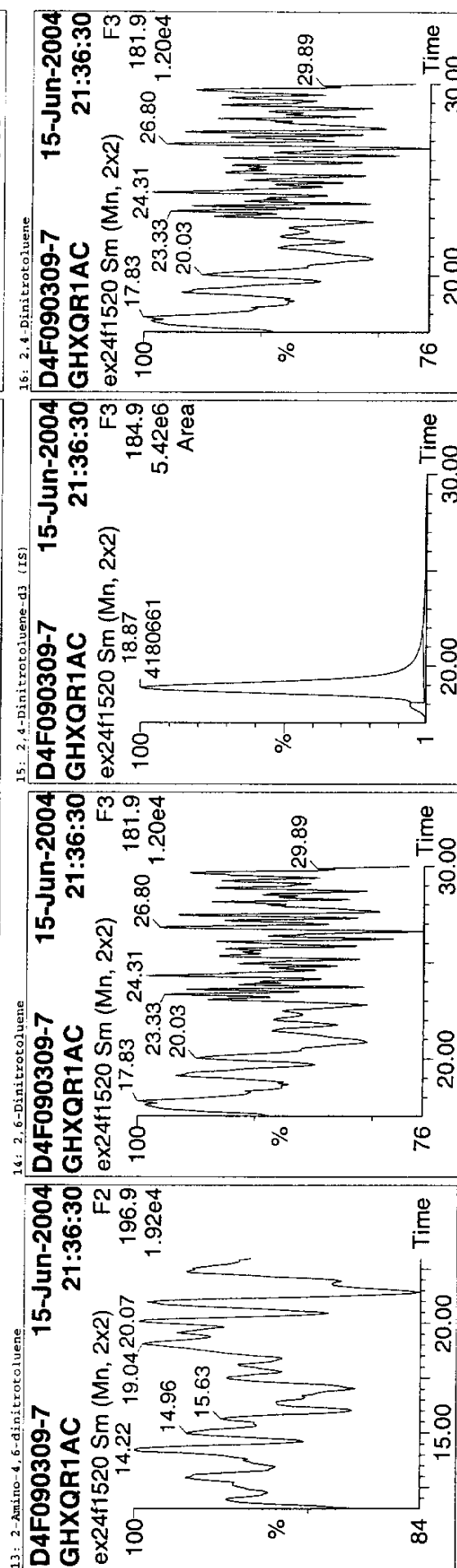
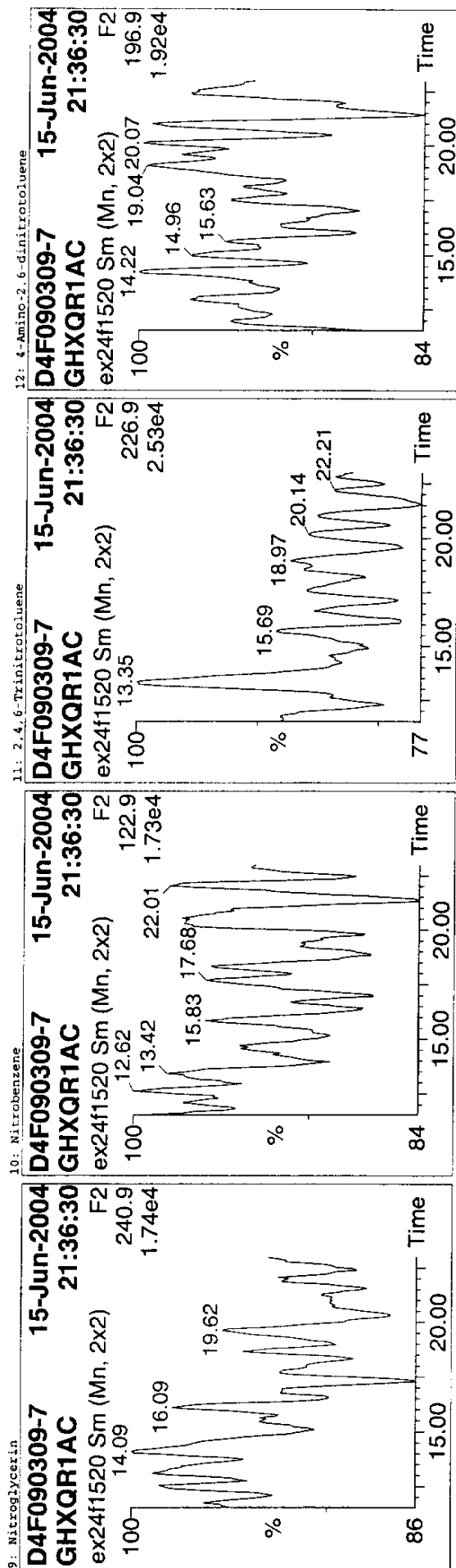
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\Method\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1520
Text: D4F090309-7



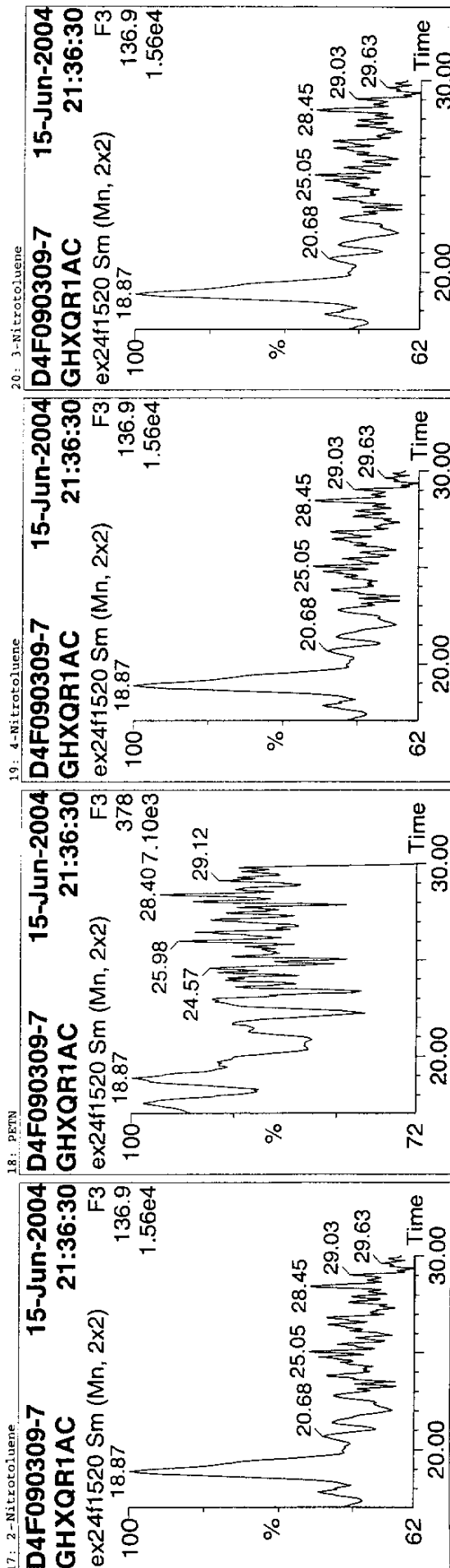
Analyst: Steve Cowling

Quantify Sample Report
Explosives Analysis

Sample List: C:\Masslynx\Explosives.PRO\SampleDB\ex24f15(1)
Last modified: Wed Jun 16 07:08:54 2004
Method: C:\Masslynx\Explosives.PRO\MethDB\ex24f15
Last modified: Wed Jun 16 07:24:50 2004
Job Code:

Printed: Wed Jun 16 07:29:37 2004

Name: ex24f1520
Text: D4F090309-7



# Name	RT	Area	IS Area	Response Flags	Result	%Rec	Mod.	Date	Mod.	Comment
1 RMX			4251540							
2 RDX 13C-3 284 (IS)	9.83	4251540	4251540		1.077	107.74				
3 RDX			1391091							
4 1,3,5-Trinitrobenzene			1391091							
5 Tetryl			1391091							
6 Dinitrobenzene-d4 (IS)	14.02	1391091	1391091		1.045	104.50				
7 1,3-Dinitrobenzene			1391091							
8 Nitrobenzene-d5	15.16	513837	1391091		0.429	89.79				
9 Nitroglycerin			1391091							
10 Nitrobenzene			1391091							
11 2,4,6-Trinitrotoluene			1391091							
12 4-Amino-2,6-dinitrotoluene			1391091							
13 2-Amino-4,6-dinitrotoluene			1391091							
14 2,6-Dinitrotoluene			4180661							
15 2,4-Dinitrotoluene			4180661							
16 2,4-Dinitrotoluene-d3 (IS)	18.87	4180661	4180661		1.075	107.54				
17 2-Nitrotoluene			4180661							
18 PETN			4180661							
19 4-Nitrotoluene			4180661							
20 3-Nitrotoluene			4180661							

Analyst: Steve Cowling

LC/MS

Supporting Documentation

Sample Sequence, Quant Reports,
Chromatograms



STL

Lot ID: D4F090309

Client: Techlaw Inc.

Method: 8321A RDX Dags

Associated Samples: 1-4,6,7

Batch #(s): 4162156

*I certify that, to the best of my knowledge, the attached package
represents a complete and accurate copy of the original data.*

Signature/Date: Mark Dymond - 7/7/04

**LC/MS SEMIVOLATILE
ORGANIC EXTRACTION
LOG SHEETS**

RQC058

Seyvern Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEETRun Date: 6/10/04
Time: 13:31:26LEV 1 2 1 2

Y	Y	Blank	Y	Y	Weights/Volumes
Y	Y	Check	Y	Y	Spike & Surrogate Worksheet
Y	Y	MS/MSD	Y	Y	Vial contains correct volume
Y	Y		Y	Y	Labels, greenbars, worksheets
Y	Y		Y	Y	computer batch: correct & all match
Y	Y		Y	Y	Anomalies to Extraction Method

Expanded Deliverable
COC Completed
Bench Sheet Copied
Package Submitted to Analytical Group
Bench Sheet Copied per COC

Extractionist: 009250 Heather Despres

Concentrationist: 009250 Heather Despres

* QC BATCH: 4162156 *
* *****

PREP DATE: 6/10/04 11:15
COMP DATE: 6/10/04 13:15

Reviewer/Date: DESPREHA / 6/10/04

8321A, Nitroso Degradates of RDX
SOLID PHASE EXTRACTION (NOMINAL)

EXTR EXPR	ANL DUE	LOT#, MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S ADJ1	ADJ2	EXTRACTION VOL	SOLVENTS EXCHANGE	VOL	SPIKE STANDARD/ SURROGATE ID
6/14/04	6/28/04	D4F090309-001 GHXPX-1-AA	D	B7	EQ	WATER	1054mL 5.00mL	NA	NA	ACN	2.5	.0	0.25ML 856.66.1 6-8-04
COMMENTS: SEDIMENT													
6/14/04	6/28/04	D4F090309-002 GHXQD-1-AA	D	B7	EQ	WATER	1056mL 5.00mL	NA	NA	ACN	2.5	.0	0.25ML 856.66.1 6-8-04
COMMENTS: SEDIMENT													
6/14/04	6/28/04	D4F090309-003 GHXQE-1-AA	D	B7	EQ	WATER	1056mL 5.00mL	NA	NA	ACN	2.5	.0	0.25ML 856.66.1 6-8-04
COMMENTS: SEDIMENT													
6/14/04	6/28/04	D4F090309-004 GHXQH-1-AA	D	B7	EQ	WATER	1060mL 5.00mL	NA	NA	ACN	2.5	.0	0.25ML 856.66.1 6-8-04
COMMENTS: SEDIMENT													
6/14/04	6/28/04	D4F090309-006 GHXQP-1-AA	D	B7	EQ	WATER	1058mL 5.00mL	NA	NA	ACN	2.5	.0	0.25ML 856.66.1 6-8-04
COMMENTS: SEDIMENT, LT YELLOW													
6/14/04	6/28/04	D4F090309-007 GHXQR-1-AA	D	B7	EQ	WATER	1050mL 5.00mL	NA	NA	ACN	2.5	.0	0.25ML 856.66.1 6-8-04
COMMENTS: SEDIMENT													
6/14/04	0/00/00	R4F100000-156 GHICT-1-AAB		B7	EQ	WATER	1000mL 5.00mL	NA	NA	ACN	2.5	.0	0.25ML 856.66.1 6-8-04
COMMENTS:													

RQC058

Severn Trent Laboratories, Inc.
EXTRACTION BENCH WORKSHEET

Run Date: 6/10/04
Time: 13:31:26

* QC BATCH: 4162156 *
* PREP DATE: 6/10/04 11:15
* COMP DATE: 6/10/04 13:15

EXTR EXPR	ANL DUE	LOT#,MSRUN#/ WORK ORDER	TEST FLGS	EXT	MTH	MATRIX	INIT/FIN WT/VOL	PH"S INIT ADJ1	ADJ2	EXTRACTION VOL	EXCHANGE VOL	SOLVENTS SURROGATE ID
6/14/04	0/00/00	R4F100000-156 GH1CT-1-ACC		B7	EQ	WATER	1000mL 5.00mL	NA	NA	ACN	2.5	.0 1ML 856.67.1 6-9-04 0.25ML 856.66.1 6-8-04
COMMENTS:												
6/14/04	0/00/00	R4F100000-156 GH1CT-1-ADL		R	B7	EQ	WATER	1000mL 5.00mL	NA	NA	ACN	2.5
COMMENTS:												
.0 1ML 856.67.1 6-9-04 0.25ML 856.66.1 6-8-04												

DEN-LC-RDX H2O: MILLI-Q/A02E01 ACN: Y44815 S/S: HD
CARTRIDGES: S214-18/10940-4

R = RUSH C = CLP
E = EPA 600 D = EXP.DEL)
M = CLIENT REQ MS/MSD
NUMBER OF WORK ORDERS IN BATCH: 9

LC/MS SEMIVOLATILE
Instrument Run Log

Masslynx - Sample List

Page 1

 Sample List: C:\Masslynx\mnxtnx.PRO\SampleDB\mt24g06(3).SPL
 Printed: Wed Jul 07 12:06:25 2004

Page Position: (1, 1)

	File Name	Sample ID	File Text	Sample Type	TNX $\mu\text{g/L}$	RDX 13C3 $\mu\text{g/L}$	DNX $\mu\text{g/L}$	MNX $\mu\text{g/L}$
1	mt24g0643	856.90.6	Blank	Blank	0	100	0	0
2	mt24g0644	856.90.7	10 ppb	Standard	10.2	10	6.7	12.4
3	mt24g0645	856.90.8	25 ppb	Standard	25.6	25	16.8	31
4	mt24g0646	856.90.9	50 ppb	Standard	51.3	50	33.5	62
5	mt24g0647	856.90.10	100 ppb	Standard	102	100	67	124
6	mt24g0648	856.90.11	200 ppb	Standard	204	200	134	248
7	mt24g0649	856.90.12	300 ppb	Standard	306	300	201	372
8	mt24g0650	856.90.6	Blank	Blank	0	100	0	0
9	mt24g0674	856.90.10	100 ppb	QC	102	100	67	124
10	mt24g0675	GH1CT1AA	R4F100000-156 MB	Blank	0	100	0	0
11	mt24g0676	GH1CT1AC	R4F100000-156 LCS	QC	100	100	100	100
12	mt24g0677	GH1CT1AD	R4F100000-156 LCSD	QC	100	100	100	100
13	mt24g0678	GHXPX1AA	D4F090309-1	Analyte	0	100	0	0
14	mt24g0679	GHXQD1AA	D4F090309-2	Analyte	0	100	0	0
15	mt24g0680	GHXQE1AA	D4F090309-3	Analyte	0	100	0	0
16	mt24g0681	GHXQH1AA	D4F090309-4	Analyte	0	100	0	0
17	mt24g0682	GHXQP1AA	D4F090309-6	Analyte	0	100	0	0
18	mt24g0683	GHXQR1AA	D4F090309-7	Analyte	0	100	0	0
19	mt24g0684	856.90.11	200 ppb	QC	204	200	134	248

Masslynx - Sample List

Page 2

Sample List: C:\Masslynx\mnxtnx.PRO\SampleDB\mt24g06(3).SPL
Printed: Wed Jul 07 12:06:25 2004

Page Position: (2, 1)

	Vial	Extract (L)	Sample (L or kg)	Dilution	μ L Injected	MS Tune File	Inlet File	MS File
1	1	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
2	2	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
3	3	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
4	4	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
5	5	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
6	6	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
7	7	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
8	1	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
9	5	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
10	40	0.005	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
11	41	0.005	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
12	42	0.005	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
13	43	0.005	1.0540	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
14	44	0.005	1.0560	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
15	45	0.005	1.0560	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
16	46	0.005	1.0600	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
17	47	0.005	1.0580	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
18	48	0.005	1.0500	1.000	10.000	mnxtnx	mnxtnx	mnxtnx
19	6	1.000	1.0000	1.000	10.000	mnxtnx	mnxtnx	mnxtnx

**LC/MS SEMIVOLATILE
STANDARD DATA**

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs

Amt = on-column concentration ($\mu\text{g/L}$)

DF = Dilutions after extraction (L/L)

Vf = Final volume at end of extraction (L)

Vs = Size of sample Extracted (L or kg)

Compound 1 name: TNX

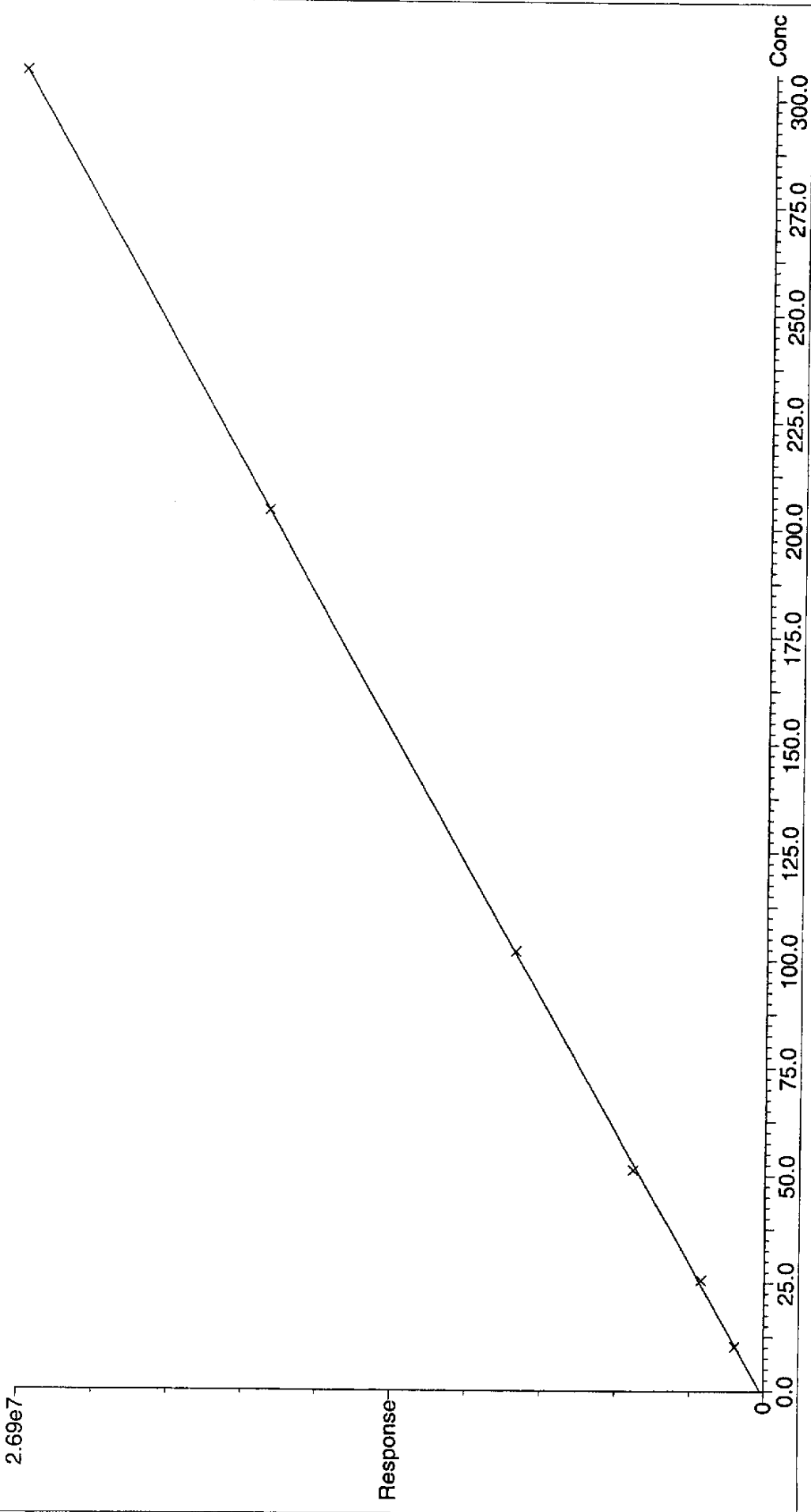
Method File: mt24F06

Coefficient of Determination: 0.999947

Calibration curve: $-1.84373 \cdot x^2 + 88043.5 \cdot x + 123273$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
RDX Degradates Analysis

Calibration: C:\Masslynx\method\PRO\CurveDB\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:06:54 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

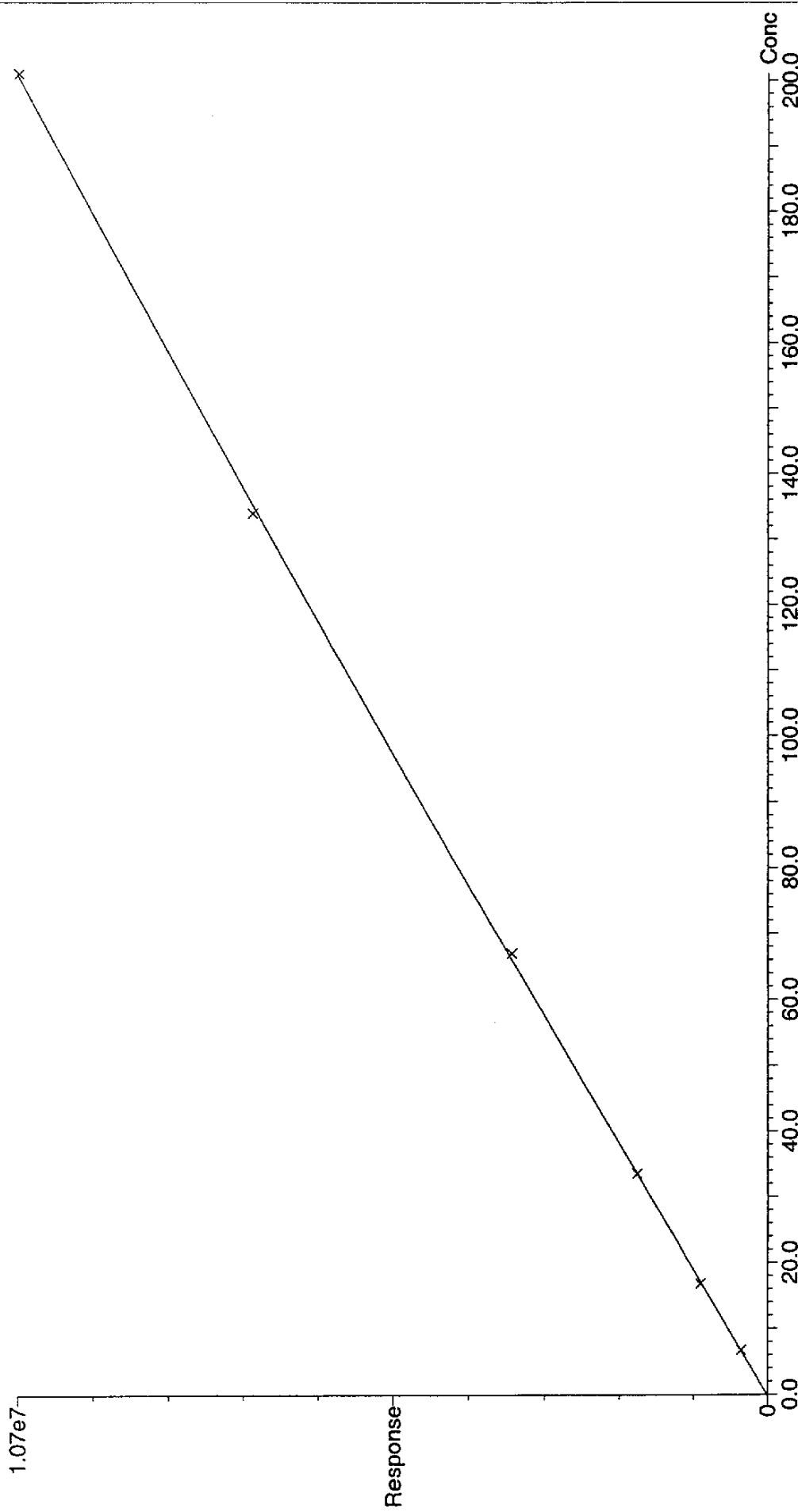
Compound 2 name: DNX Method File: mt24F06

Coefficient of Determination: 0.999904

Calibration curve: $-16.1748 * x^2 + 56452.1 * x + 11559.7$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
RX Degradates Analysis

Calibration: C:\Masslynx\mx\mtmx.PRO\Curved8\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:06:54 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

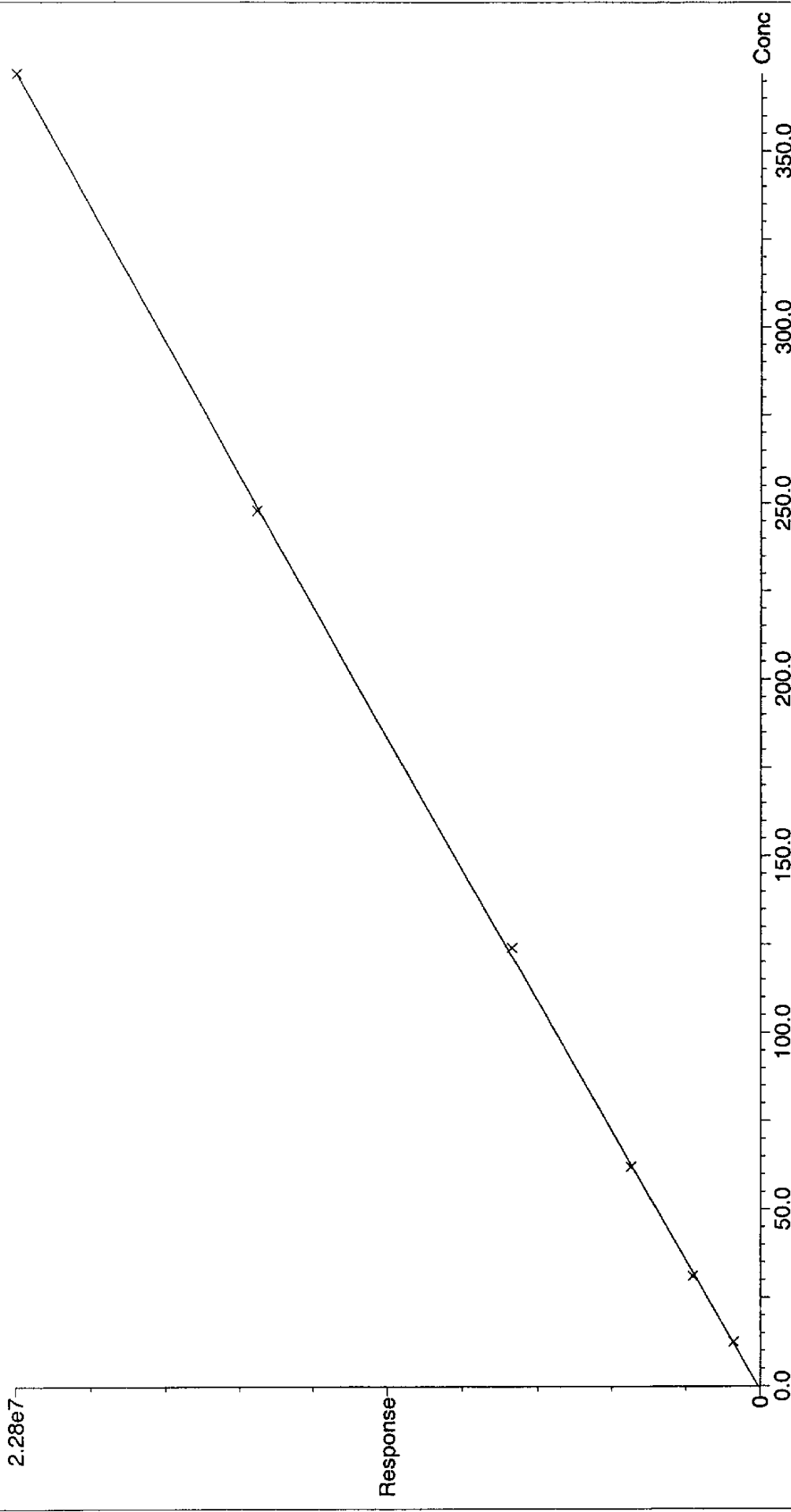
Compound 3 name: MNX Method File: mt24F06

Coefficient of Determination: 0.999910

Calibration curve: $-4.43151 \times 10^{-5} x^2 + 62711.1 \times x + 62402.1$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Analyst: Steve Cowling

Quantify Calibration Report
RDX Degradation Analysis

Calibration: C:\Masslynx\method\PRO\CurvedDB\mt24F06
Last modified: Wed Jul 07 06:34:28 2004
Printed: Wed Jul 07 12:06:54 2004

Result ($\mu\text{g/L}$ or kg) = Amt * DF * Vf / Vs **Amt = on-column concentration ($\mu\text{g/L}$)** **Vf = Final volume at end of extraction (L)**
DF = Dilutions after extraction (L/L) **Vs = Size of sample Extracted (L or kg)**

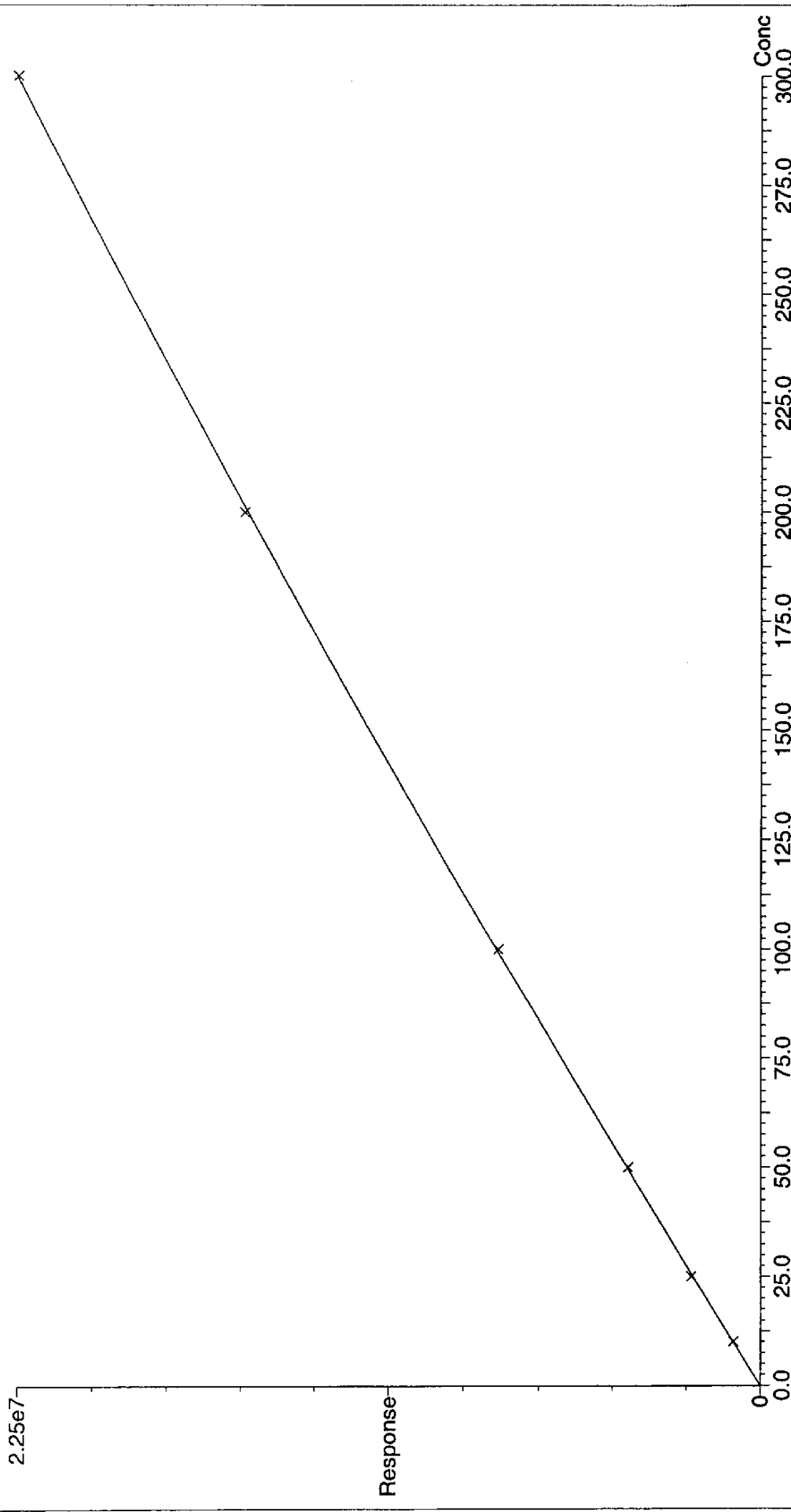
Compound 4 name: RDX13C3 Method File: mt24F06

Coefficient of Determination: 0.999952

Calibration curve: $-25.3451 * x^2 + 82600.6 * x + 5898.65$

Response type: External Std, Area

Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



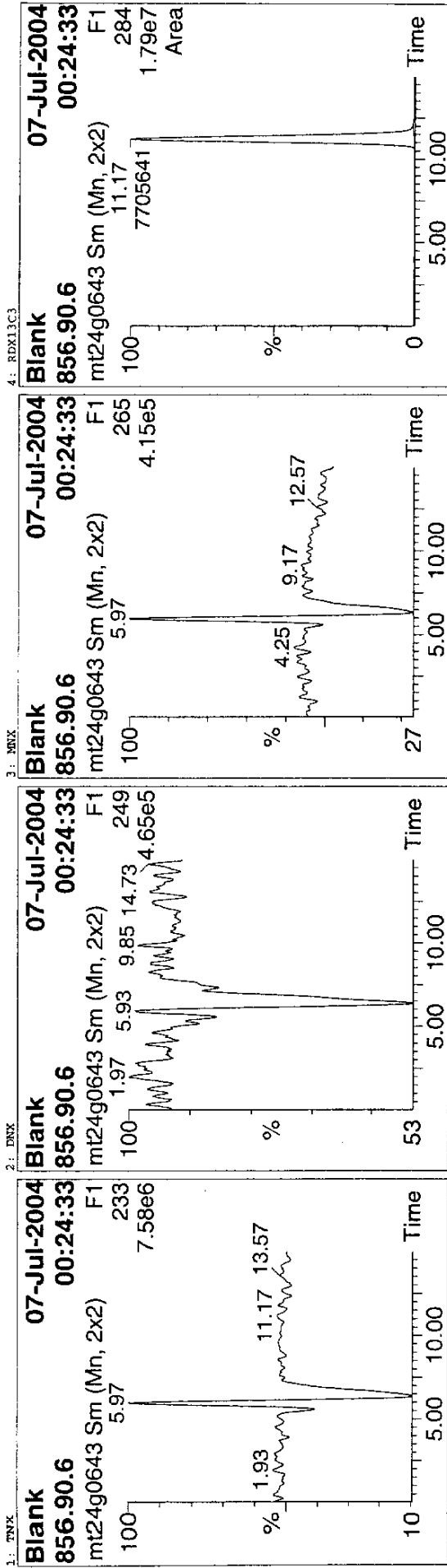
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mxtmx.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mxtmx.PRO\Method\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0643
Text: Blank



#	Name	RT	Area	Response	Flags	Ion	Ratio	Result	µg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1	TDX													
2	DNX													
3	MNX	11.17	7705641	7705640	500	bb			96.0472					96.05
4	RDX13C3													

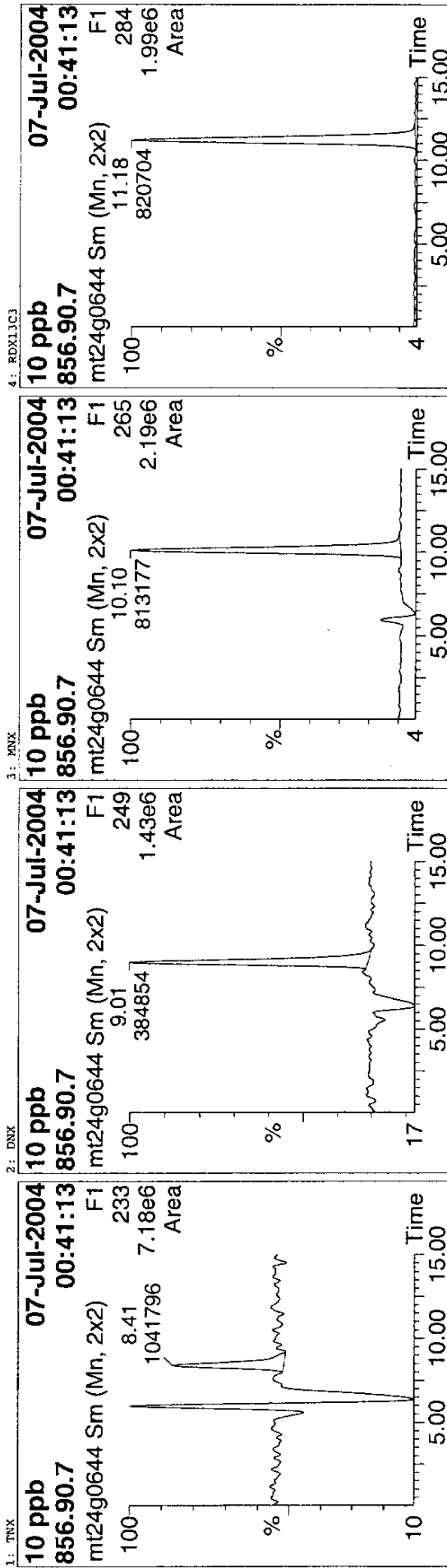
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmtxn\PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mmtxn\PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0644
Text: 10 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or Kg)	%Rec	Mod. Date	Mod. Comment
1	TNX	8.41	1041796	1041796.438	bb		10.4349	102.30			
2	DNX	9.01	384854	384853.531	bb		6.6252	98.88			
3	MNX	10.10	813177	813176.500	bb		11.9821	96.63			
4	RDX13C3	11.18	820704	820704.125	bb		9.8944	98.94			

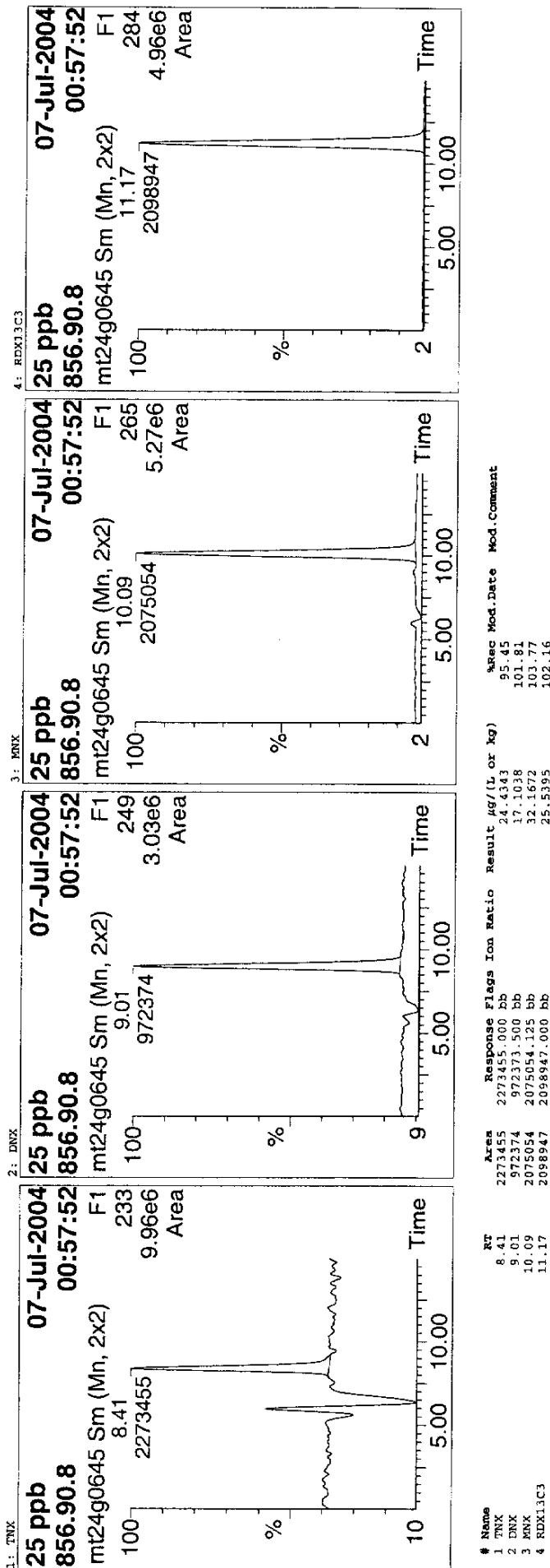
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\Method\PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\Method\PRO\MethodDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0645
Text: 25 ppb

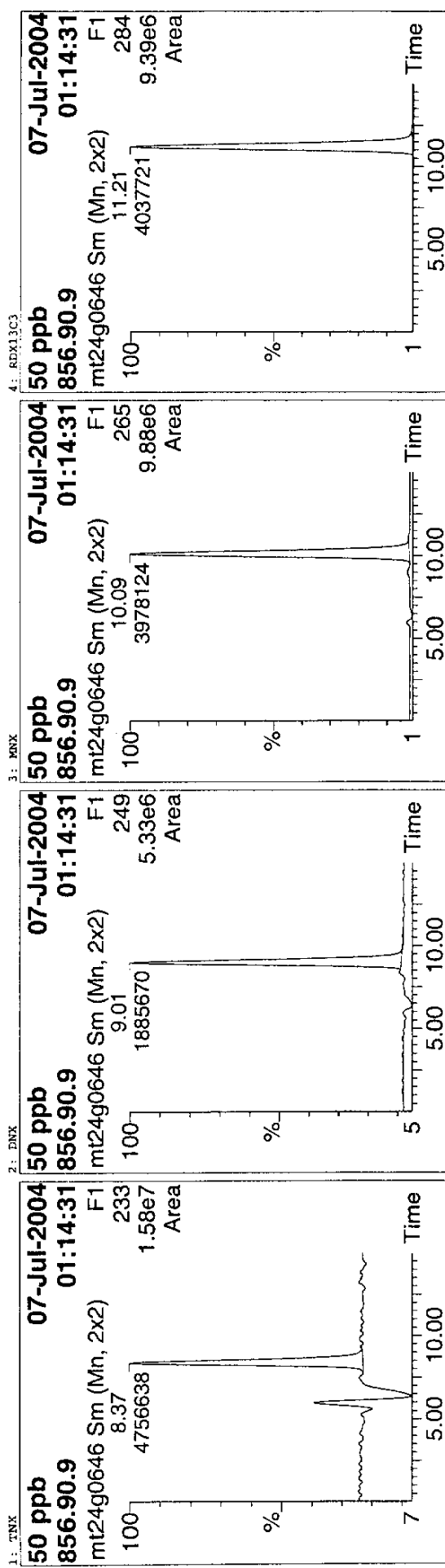


Analyst: Steve Cowling

Quantify Sample Report
RX Degradates Analysis

Sample List: C:\Masslynx\msdata\PRO\SAMPLES\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msdata\PRO\METHODS\mt24p06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:
Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0646
Text: 50 ppb



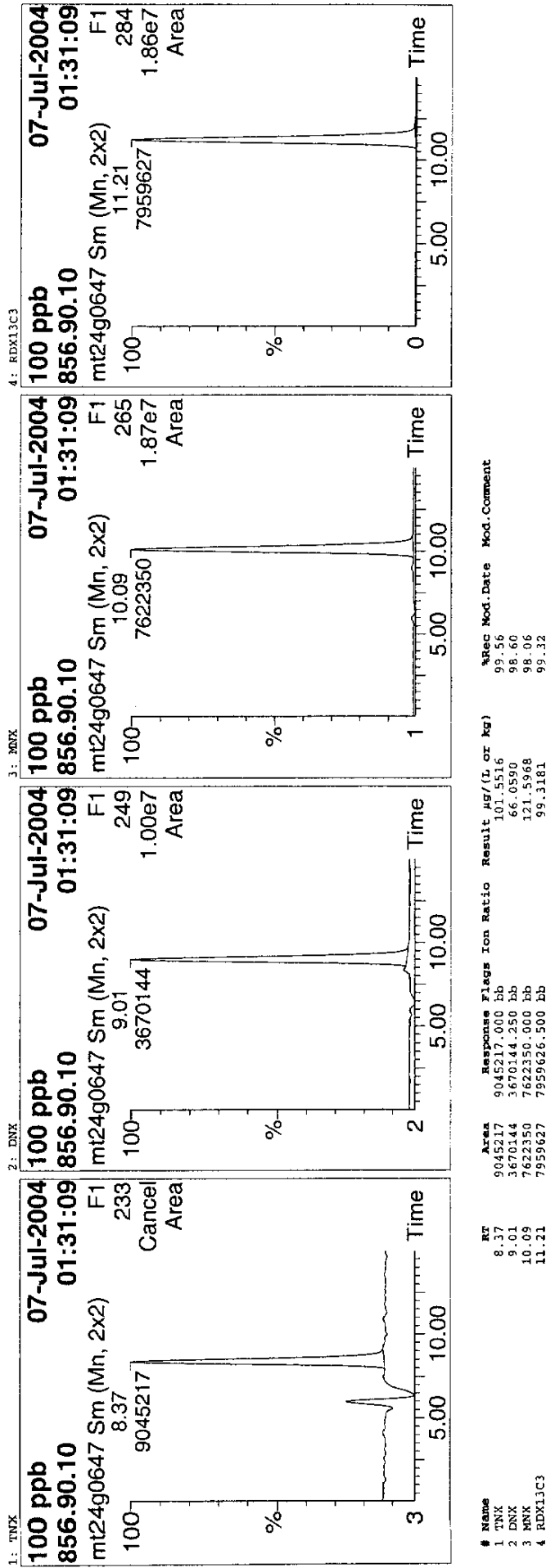
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mxtnx.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mxtnx.PRO\Method\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0647
Text: 100 ppb



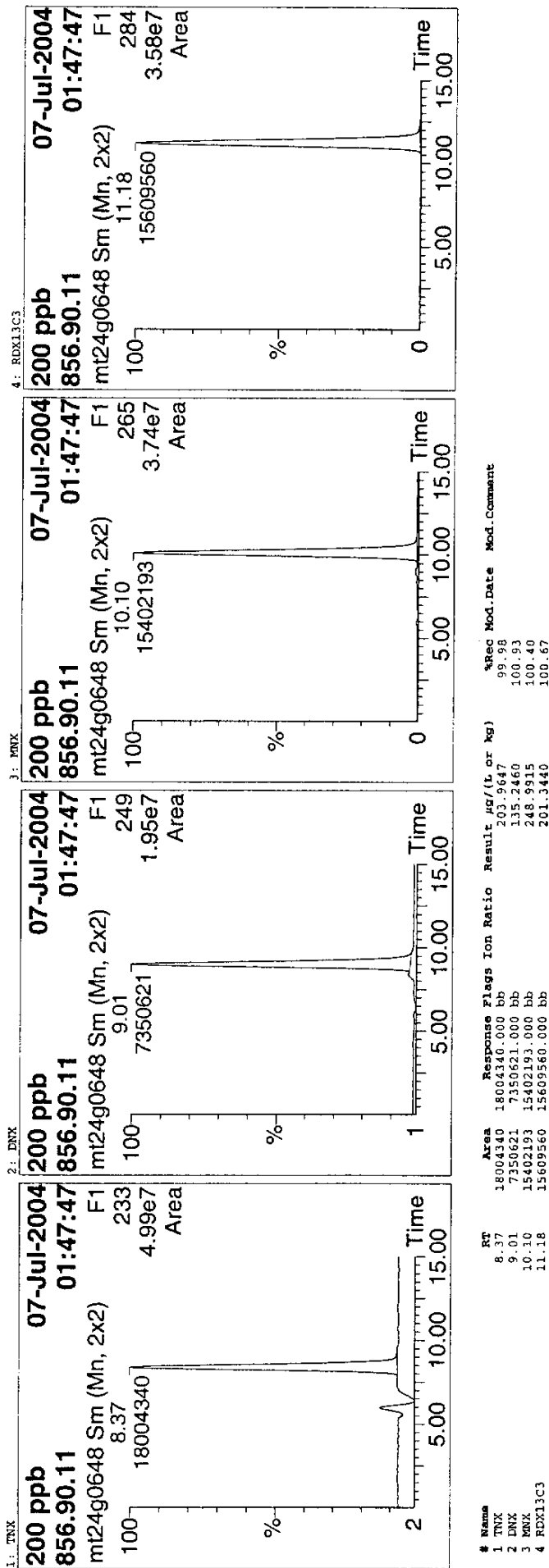
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmxtnx.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mmxtnx.PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0648
Text: 200 ppb



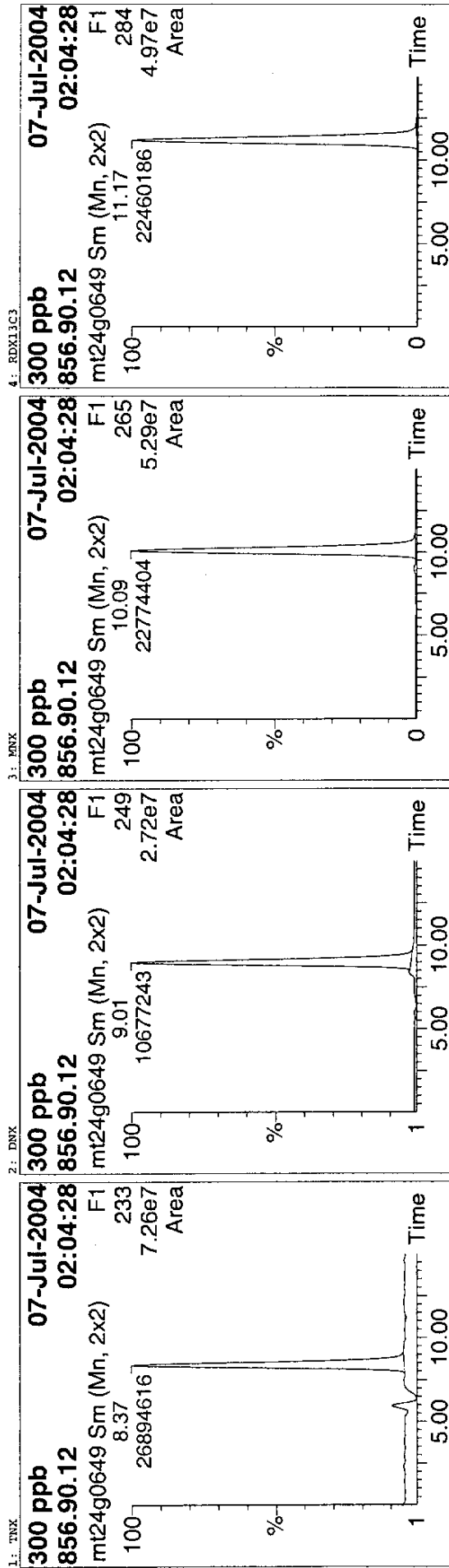
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmx\tx.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mmx\tx.PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0649
Text: 300 ppb



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	μg/L or kg	%Rec	Mod.Date	Mod.Comment
1	TNX	8.37	26894616	26894616.000	bb		306.0307	100.01	100.01		
2	DNX	9.01	10677243	10677243.000	bb		200.4453	99.72	99.72		
3	MNX	10.09	22774404	22774404.000	bb		371.9448	99.99	99.99		
4	RDX13C3	11.17	22460186	22460186.000	bb		299.3349	99.78	99.78		

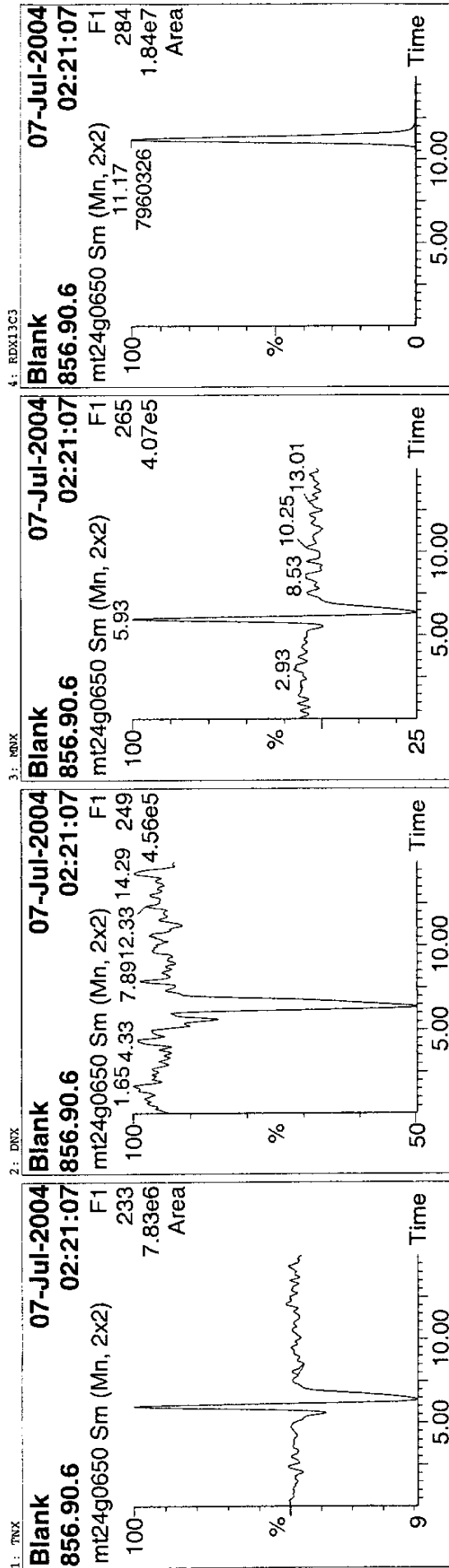
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmx\mktx\PRO\SampleDB\mt24g06(3)
Test modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mmx\mktx\PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0650
Text: Blank



#	Name	RT	Area	Response	Flags	Ion	Ratio	Result	µg/(L or kg)	%Rec	Mod.	Data	Mod.	Comment
1	TNX	8.05	65543	65542.633	bb			0.0000						
2	DNK	11.17	7960326	7960326.000	bb			99.3271		99.33				
3	MNX													
4	RDX13C3													

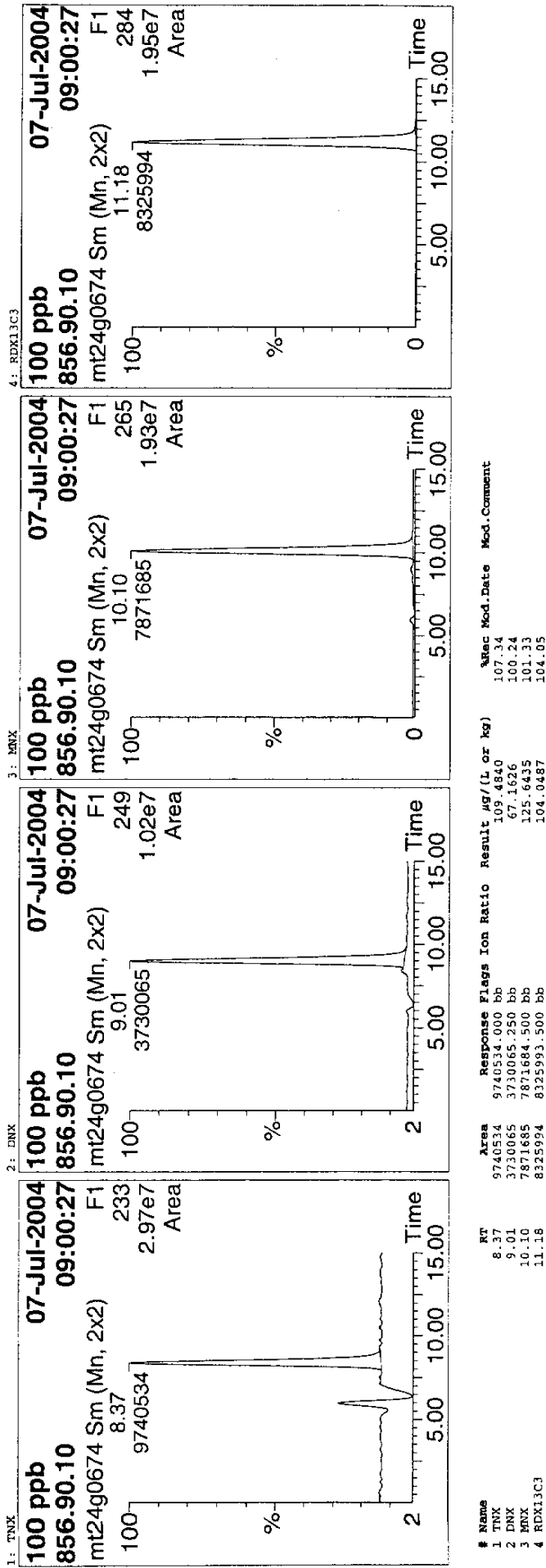
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mmtxn\PRO\Samp\EDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mmtxn\PRO\Meth\EDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0674
Text: 100 ppb



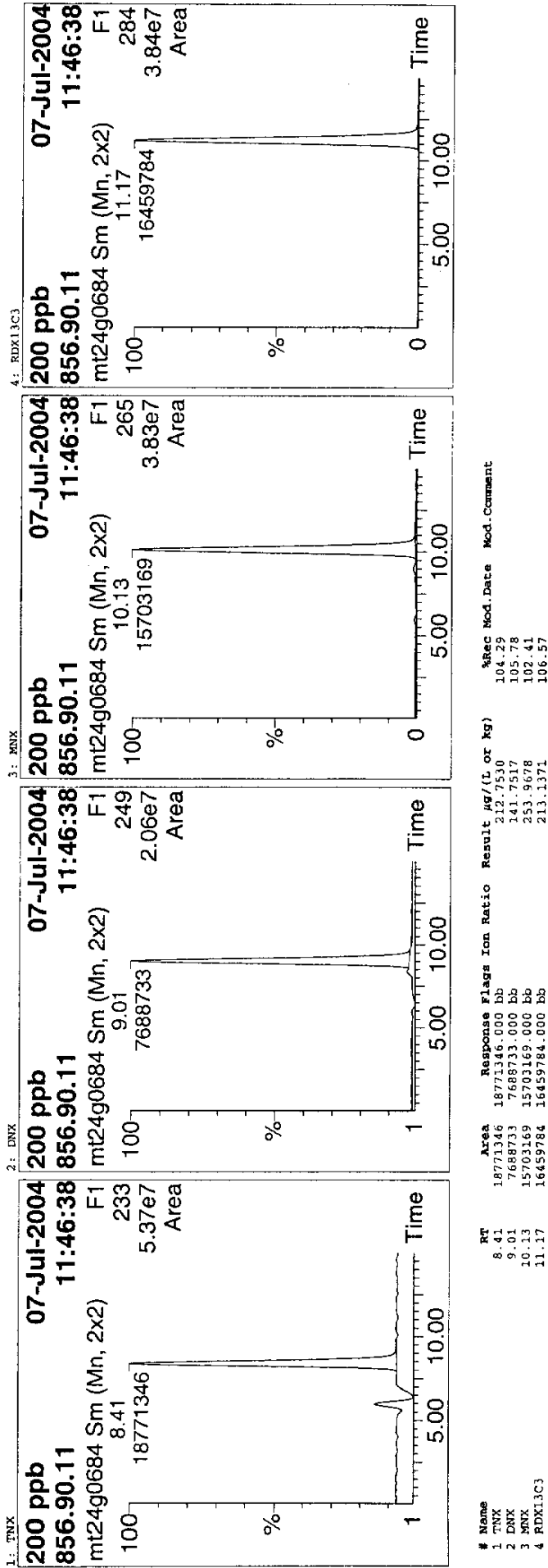
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msd\txx\PRO\Samples\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msd\txx\PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0684
Text: 200 ppb



Analyst: Steve Cowling

**LC/MS SEMIVOLATILE
SAMPLE DATA**

Sample List: C:\Masslynx\work\PRO\Samp\leads\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\work\PRO\MethDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:53 2004

Compound 1: TNX Sample List: mt24g06(3) Method File: mt24f06
Coefficient of Determination: 0.99947
Calibration curve: $-1.84373 \times 10^{-2} + 88043.5 \times x + 123273$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std $\mu\text{g/L}$	RT	Area	Ion Ratio	Flags	Result $\mu\text{g/L}$ or kg	%Rec V(L)	Vs (L or kg)	DF	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank											
2 mt24g0644	856.90.7	10 ppb	Standard	10.20	8.41	1041796		bb	10.4349	102.3	1.000	1.0	10	mt24f06
3 mt24g0645	856.90.8	25 ppb	Standard	25.60	8.41	2273455		bb	24.4343	95.4	1.000	1.0	10	mt24f06
4 mt24g0646	856.90.9	50 ppb	Standard	51.30	8.37	4756638		bb	52.6840	102.7	1.000	1.0	10	mt24f06
5 mt24g0647	856.90.10	100 ppb	Standard	102.00	8.37	9045217		bb	101.5516	99.6	1.000	1.0	10	mt24f06
6 mt24g0648	856.90.11	200 ppb	Standard	204.00	8.37	18004340		bb	203.9647	100.0	1.000	1.0	10	mt24f06
7 mt24g0649	856.90.12	300 ppb	Standard	306.00	8.37	26894616		bb	306.0307	100.0	1.000	1.0	10	mt24f06
8 mt24g0650	856.90.6	Blank	Blank			65543		bb	0.0000					
9 mt24g0651	856.90.10	100 ppb	QC	102.00	8.37	9740534		bb	109.4840	107.3	1.005	1.0	10	mt24f06
10 mt24g0652	GH1CTIAA	R4F100000-156 MB	Blank											
11 mt24g0653	GH1CTIAC	R4F100000-156 LCS	QC											
12 mt24g0654	GH1CTIAD	R4F100000-156 LCSD	QC	100.00	8.41	4423848		bb	0.2445	48.9	0.005	1.0	10	mt24f06
13 mt24g0655	GH1CTIAA	D4F090309-1	Analyte	100.00	8.41	4713464		bb	0.2610	52.2	0.005	1.0	10	mt24f06
14 mt24g0656	GH1CTIAA	D4F090309-2	Analyte											
15 mt24g0657	GH1CTIAA	D4F090309-3	Analyte											
16 mt24g0658	GH1CTIAA	D4F090309-4	Analyte											
17 mt24g0659	GH1CTIAA	D4F090309-5	Analyte											
18 mt24g0660	GH1CTIAA	D4F090309-6	Analyte											
19 mt24g0661	GH1CTIAA	D4F090309-7	Analyte											
20 mt24g0662	856.90.11	200 ppb	QC	204.00	8.41	18771346		bb	212.7530	104.3	1.000	1.0	10	mt24f06

Analyst: Steve Cowling

Quantify Compound Summary Report
RX Degradates Analysis

Sample List: C:\Masslynx\bin\mtmx.FRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\bin\mtmx.FRO\MethodB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:53 2004

Compound 2: INX Sample List: mt24g06(3) Method File: mt24f06
Coefficient of Determination: 0.999904
Calibration curve: $-16.1748 \cdot x^2 + 36452.1 \cdot x + 11559.7$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std $\mu\text{g/L}$	RT	Area	Ion Ratio	Flags	Result $\mu\text{g/L}$ or kg	%Rec	Vs(L or kg)	DF	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank										10	mt24f06
2 mt24g0644	856.90.7	10 ppb	Standard	6.70	9.01	384854		bb	6.6252	98.9	1.000	1.0	10	mt24f06
3 mt24g0645	856.90.8	25 ppb	Standard	16.80	9.01	972374		bb	17.1038	101.8	1.000	1.0	10	mt24f06
4 mt24g0646	856.90.9	50 ppb	Standard	33.50	9.01	1885670		bb	33.5202	100.1	1.000	1.0	10	mt24f06
5 mt24g0647	856.90.10	100 ppb	Standard	67.00	9.01	3670144		bb	66.0590	98.6	1.000	1.0	10	mt24f06
6 mt24g0648	856.90.11	200 ppb	Standard	134.00	9.01	7350621		bb	135.2460	100.9	1.000	1.0	10	mt24f06
7 mt24g0649	856.90.12	300 ppb	Standard	201.00	9.01	10677243		bb	200.4453	99.7	1.000	1.0	10	mt24f06
8 mt24g0650	856.90.6	Blank	Blank										10	mt24f06
9 mt24g0674	856.90.10	100 ppb	QC	67.00	9.01	3730065		bb	67.1626	100.2	1.000	1.0	10	mt24f06
10 mt24g0675	GHICTIAA	R4F100000-156 MB	Blank										10	mt24f06
11 mt24g0676	GHICTIAC	R4F100000-156 LCS	QC										10	mt24f06
12 mt24g0677	GHICTIAD	R4F100000-156 LCSD	QC	100.00	9.05	2899141		bb	0.2596	51.9	0.005	1.0	10	mt24f06
13 mt24g0678	GHXPXIAA	D4F090309-1	Analyte	100.00	9.05	2952558		bb	0.2645	52.9	0.005	1.0	10	mt24f06
14 mt24g0679	GHXQDIAA	D4F090309-2	Analyte										10	mt24f06
15 mt24g0680	GHXQELAA	D4F090309-3	Analyte										10	mt24f06
16 mt24g0681	GHXQHIAA	D4F090309-4	Analyte										10	mt24f06
17 mt24g0682	GHXQPIAA	D4F090309-6	Analyte										10	mt24f06
18 mt24g0683	GHXQRIAA	D4F090309-7	Analyte										10	mt24f06
19 mt24g0684	856.90.11	200 ppb	QC	134.00	9.01	7688733		bb	141.7517	105.8	1.000	1.0	10	mt24f06

Analyst: Steve Cowling

Quantify Compound Summary Report
RDX Degradates Analysis

Sample List: C:\Masslynx\bin\mtmxn\PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\bin\mtmxn\PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:
Printed: Wed Jul 07 12:06:53 2004

Compound 3: MEX Sample List: mt24g06(3) Method File: mt24F06
Coefficient of Determination: 0.999910
Calibration curve: $-4.43151 \times x^2 + 62711.1 \times x + 62402.1$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std $\mu\text{g/L}$	RT	Area	Ion Ratio	Flags	Result $\mu\text{g/L or kg}$	%Rec V(L)	Vs(L or kg)	Df	Inj	Cal File
1 mt24g0643	856.90.6	Blank	Blank							1.000	1.000	1.0	10	mt24F06
2 mt24g0644	856.90.7	10 ppb	Standard	12.40	10.10	813177		bb	11.9821	96.6	1.000	1.0	10	mt24F06
3 mt24g0645	856.90.8	25 ppb	Standard	31.00	10.09	2075054		bb	32.1672	103.8	1.000	1.0	10	mt24F06
4 mt24g0646	856.90.9	50 ppb	Standard	62.00	10.09	3978124		bb	62.7186	101.2	1.000	1.0	10	mt24F06
5 mt24g0647	856.90.10	100 ppb	Standard	124.00	10.09	7623350		bb	121.5968	98.1	1.000	1.0	10	mt24F06
6 mt24g0648	856.90.11	200 ppb	Standard	248.00	10.10	15402183		bb	248.9915	100.4	1.000	1.0	10	mt24F06
7 mt24g0649	856.90.12	300 ppb	Standard	372.00	10.09	22774404		bb	371.9448	100.0	1.000	1.0	10	mt24F06
8 mt24g0650	856.90.6	Blank	Blank							1.000	1.000	1.0	10	mt24F06
9 mt24g0674	856.90.10	100 ppb	QC	124.00	10.10	7871665		bb	125.6435	101.3	1.000	1.0	10	mt24F06
10 mt24g0675	GH1CTIAA	R4F100000-156 MB	Blank							1.000	1.000	1.0	10	mt24F06
11 mt24g0676	GH1CTIAC	R4F100000-156 LCS	QC					bb	0.5903	118.1	0.005	1.0	10	mt24F06
12 mt24g0677	GH1CTIAD	R4F100000-156 LCSD	QC					bb	0.6047	120.9	0.005	1.0	10	mt24F06
13 mt24g0678	GH1CTIAA	D4F090309-1	Analyte							0.005	1.054	1.0	10	mt24F06
14 mt24g0679	GH1CTIAA	D4F090309-2	Analyte							0.005	1.056	1.0	10	mt24F06
15 mt24g0680	GH1CTIAA	D4F090309-3	Analyte							0.005	1.056	1.0	10	mt24F06
16 mt24g0681	GH1CTIAA	D4F090309-4	Analyte							0.005	1.060	1.0	10	mt24F06
17 mt24g0682	GH1CTIAA	D4F090309-6	Analyte							0.005	1.058	1.0	10	mt24F06
18 mt24g0683	GH1CTIAA	D4F090309-7	Analyte							0.005	1.050	1.0	10	mt24F06
19 mt24g0684	856.90.11	200 ppb	QC	248.00	10.13	15703169		bb	253.9678	102.4	1.000	1.0	10	mt24F06

Analyst: Steve Cowling

Quantify Compound Summary Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msmtmx.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msmtmx.PRO\MethDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:
Printed: Wed Jul 07 12:06:53 2004

Compound 4: RDX13C3 Sample List: mt24g06(3) Method File: mt24f06
Coefficient of Determination: 0.99952
Calibration curve: $-25.3451 * x^2 + 82600.6 * x + 5898.65$
Response type: External Std, Area
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

# Name	ID	Sample Text	Type	Std µg/L	RT	Area	Ion Ratio	Flags	Result µg/L or kg	%Rec VF(L)	Vs(L or kg)	DF	Inf	Cal.File
1 mt24g0643	856.90.6	Blank	Blank	11.17	7705641			bb	96.0472	96.0	1.000	1.000	1.0	mt24f06
2 mt24g0644	856.90.7	10 ppb	Standard	10.00	11.18	820704		bb	9.8944	98.9	1.000	1.000	1.0	mt24f06
3 mt24g0645	856.90.8	25 ppb	Standard	25.00	11.17	2088947		bb	25.5395	102.2	1.000	1.000	1.0	mt24f06
4 mt24g0646	856.90.9	50 ppb	Standard	50.00	11.21	4037721		bb	49.5649	99.1	1.000	1.000	1.0	mt24f06
5 mt24g0647	856.90.10	100 ppb	Standard	100.00	11.21	7959627		bb	99.3181	99.3	1.000	1.000	1.0	mt24f06
6 mt24g0648	856.90.11	200 ppb	Standard	200.00	11.18	1560860		bb	201.3440	100.7	1.000	1.000	1.0	mt24f06
7 mt24g0649	856.90.12	300 ppb	Standard	300.00	11.17	22460186		bb	239.3349	99.8	1.000	1.000	1.0	mt24f06
8 mt24g0650	856.90.6	Blank	Blank	11.17	7960326			bb	99.3271	104.0	1.000	1.000	1.0	mt24f06
9 mt24g0674	856.90.10	100 ppb	QC	100.00	11.18	8325894		bb	104.0487	100.3	0.005	1.000	1.0	mt24f06
10 mt24g0675	GH1CT1AA	R4F100000-156 MB	Blank	11.21	8039295			bb	0.5017	98.4	0.005	1.000	1.0	mt24f06
11 mt24g0676	GH1CT1AC	R4F100000-156 LCS	QC	100.00	11.21	7888219		bb	0.4920	99.4	0.005	1.000	1.0	mt24f06
12 mt24g0677	GH1CT1AD	R4F100000-156 LCS	QC	100.00	11.25	7962994		bb	0.4968	103.3	0.005	1.054	1.0	mt24f06
13 mt24g0678	GHXPL1AA	D4F090309-1	Analyte	11.25	827624			bb	0.4900	98.2	0.005	1.056	1.0	mt24f06
14 mt24g0679	GHXOD1AA	D4F090309-2	Analyte	11.25	7873680			bb	0.4650	98.2	0.005	1.056	1.0	mt24f06
15 mt24g0680	GHXOE1AA	D4F090309-3	Analyte	11.25	7875974			bb	0.4587	97.3	0.005	1.060	1.0	mt24f06
16 mt24g0681	GHXOH1AA	D4F090309-4	Analyte	11.21	7799375			bb	0.4793	101.4	0.005	1.058	1.0	mt24f06
17 mt24g0682	GHXOP1AA	D4F090309-6	Analyte	11.25	8122783			bb	0.4789	100.6	0.005	1.050	1.0	mt24f06
18 mt24g0683	GHXOR1AA	D4F090309-7	Analyte	11.25	8056910			bb	213.1371	106.6	1.000	1.000	1.0	mt24f06
19 mt24g0684	856.90.11	200 ppb	QC	200.00	11.17	16459784		bb						mt24f06

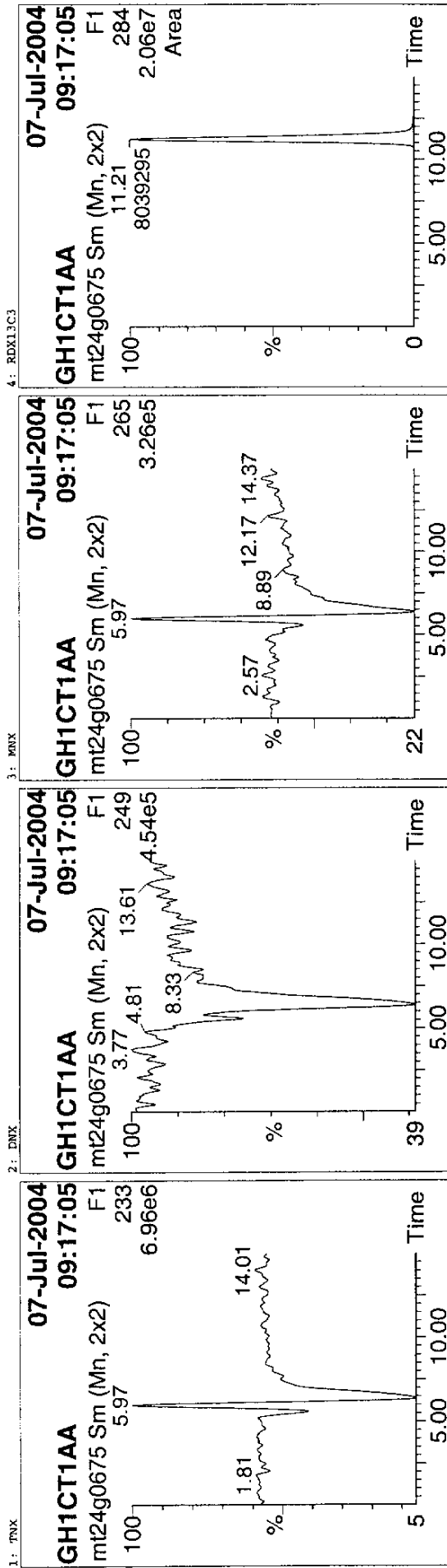
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\mxmtux.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\mxmtux.PRO\MethodDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0675
Test: R4F100000-156 MS



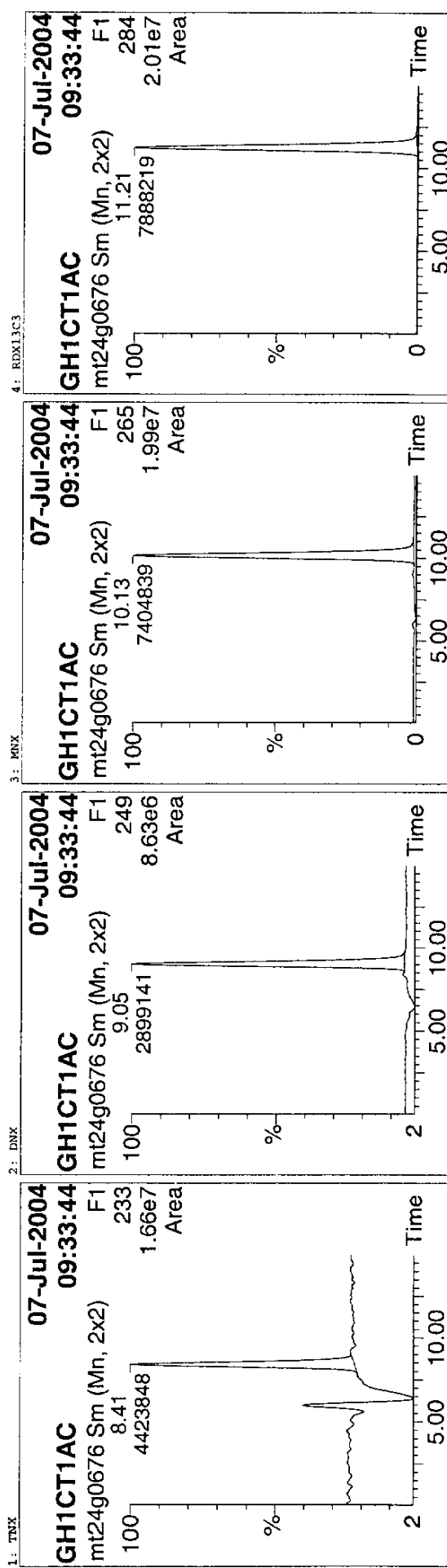
#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.Date	Mod.Comment
1	TNX	11.21	8039295	8039294	500	bb	0.5017	100.35			
2	DNX										
3	MNX										
4	RDX13C3										

Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msmntx.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msmntx.PRO\MethDB\mt24f06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:
Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0676
Text: R4F100000-156 LCS



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or Kg)	%Rec	Mod. Date	Mod. Comment
1	TDX	8.41	4423848	4423848.000	bb		0.2445		48.50		
2	DNX	9.05	2899141	2899140.750	bb		0.2596		51.52		
3	MNX	10.13	7404839	7404839.000	bb		0.5903		118.07		
4	RDX13C3	11.21	7888219	7888219.000	bb		0.4920		98.40		

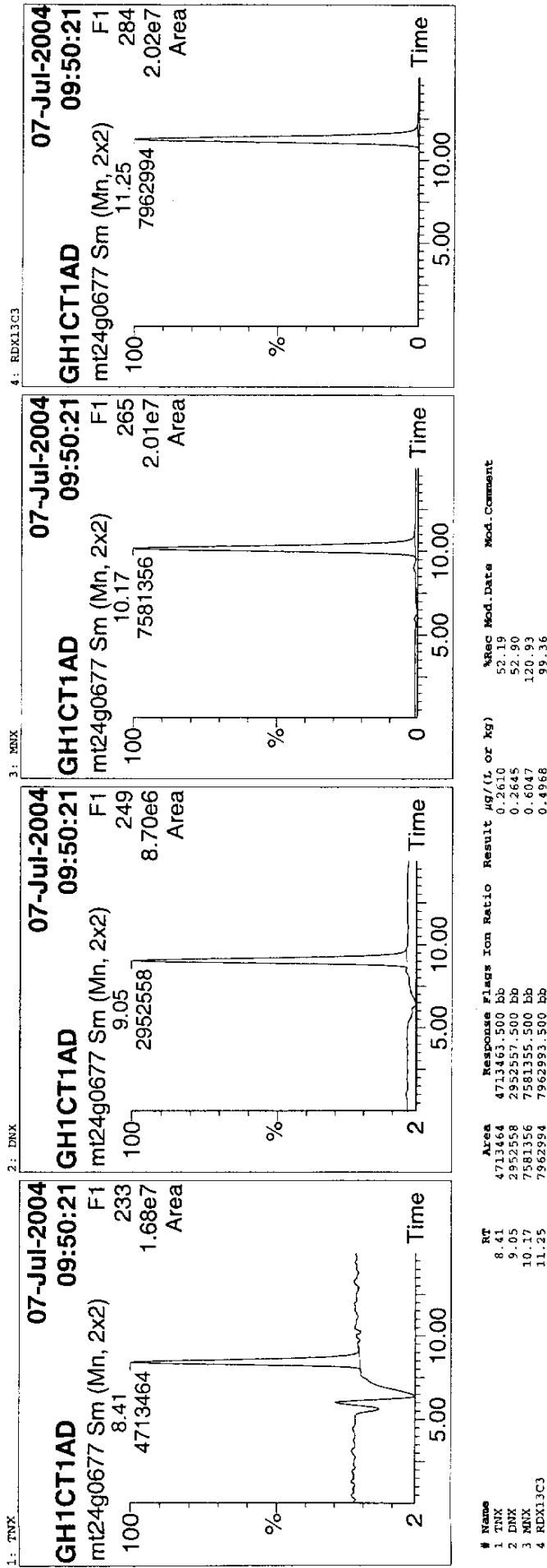
Analyst: Steve Cowling

Quantify Sample Report
RX Degradates Analysis

Sample List: C:\Masslynx\msdata\F06\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msdata\F06\MethodDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0677
Text: R4P100000-156 LCSD



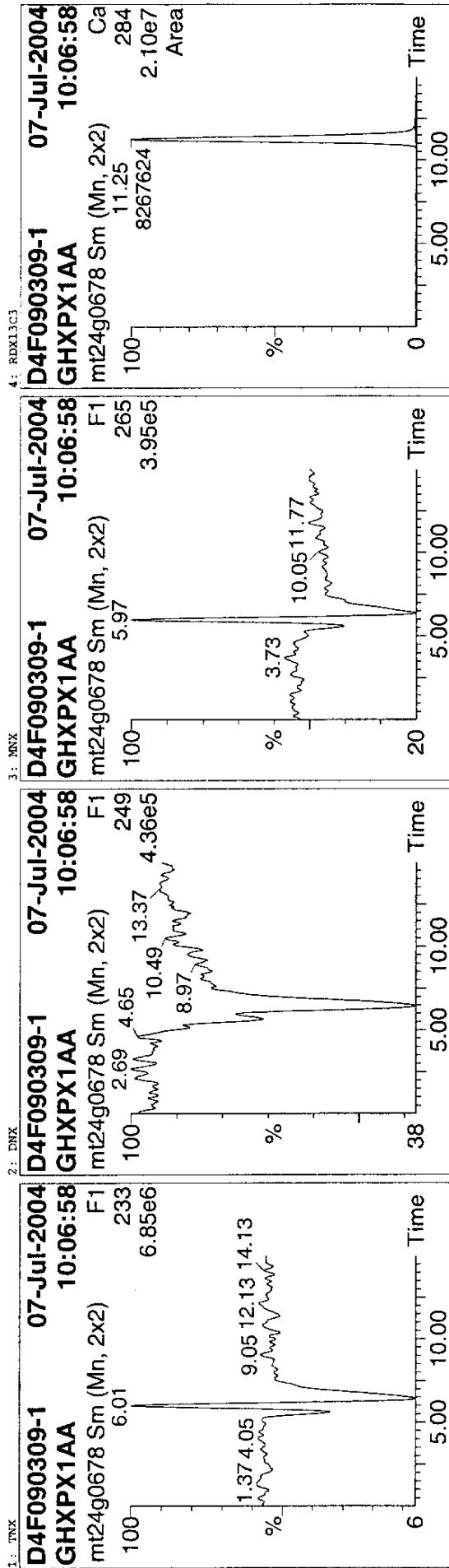
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\vnrtmx.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\vnrtmx.PRO\MethDB\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0678
Text: D4F090309-1



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	Area	Mod Date	Mod Comment
1 TNX										
2 DNX										
3 MNX	11.25	8267624	8267623.500	bb		0.4900				
4 RDX13C3							103.29			

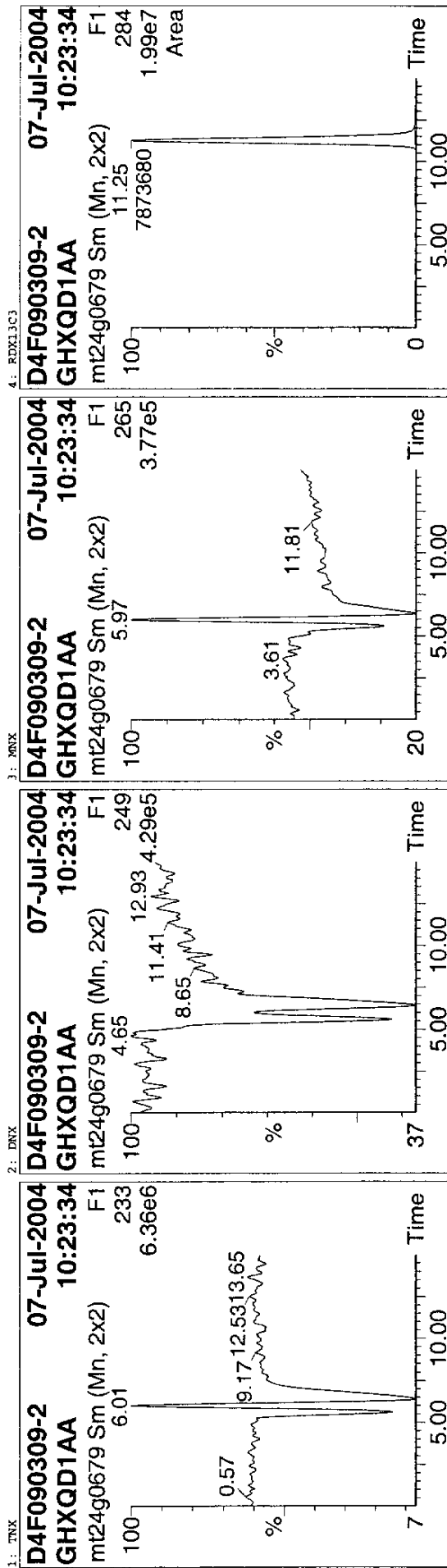
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\masslynx\montex.PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\masslynx\montex.PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0679
Text: D4F090309-2



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod. Date	Mod. Comment
1 TNX										
2 DNX										
3 MNX										
4 RDX13C3	11.25	7873680	7873680.000	db		0.4650		98.21		

Analyst: Steve Cowling

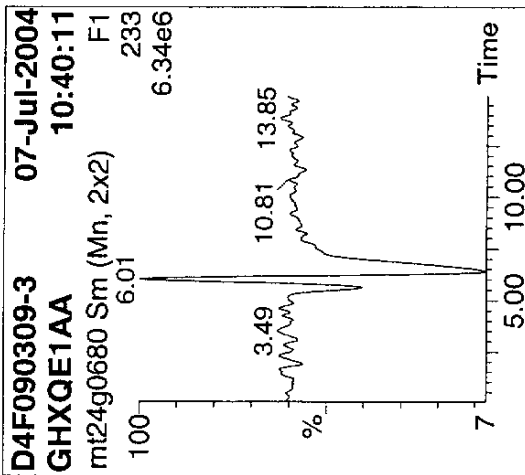
Quantify Sample Report
RDX Degradation Analysis

Sample List: C:\Masslynx\unmtx\PRO\Samples\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\unmtx\PRO\MethDB\mt24P06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

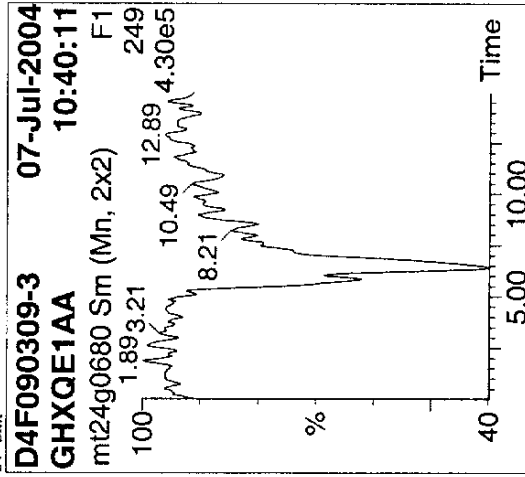
Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0680
Text: D4F090309-3

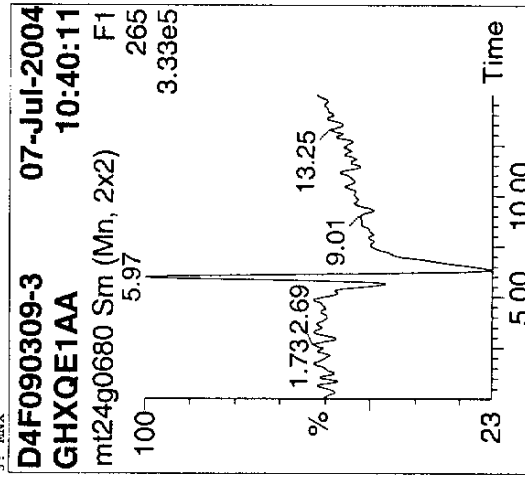
1: TNX



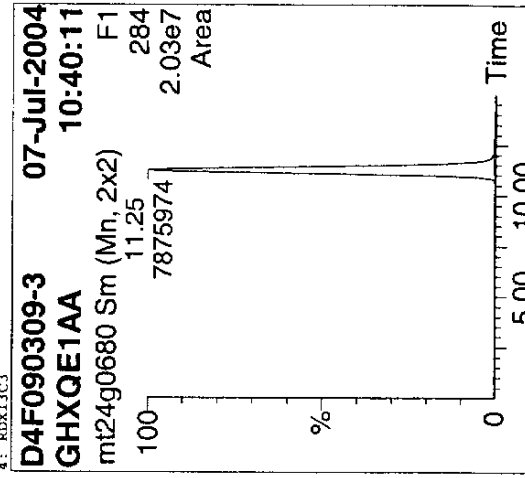
2: DNX



3: MNX



4: RDX13C3



#	Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod.	Date	Mod.	Comment
1	TNX	11.25	7875974	7875973.500	bb		0.4652		98.24				
2	DNX												
3	MNX												
4	RDX13C3												

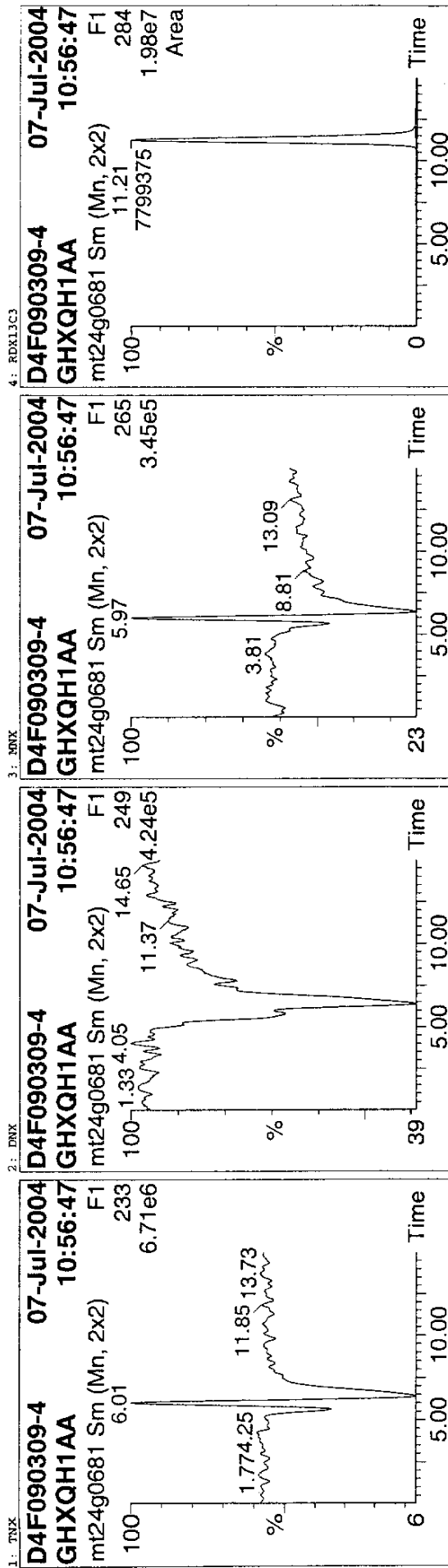
Analyst: Steve Cowling

Quantity Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msl\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msl\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0681
Text: D4F090309-4



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/L or kg	%Rec	Mod.Date	Mod.Comment
1 TNX	11.21	7799375	7799375.000	bb		0.4587				
2 DNX										
3 MNX										
4 RDX13C3										

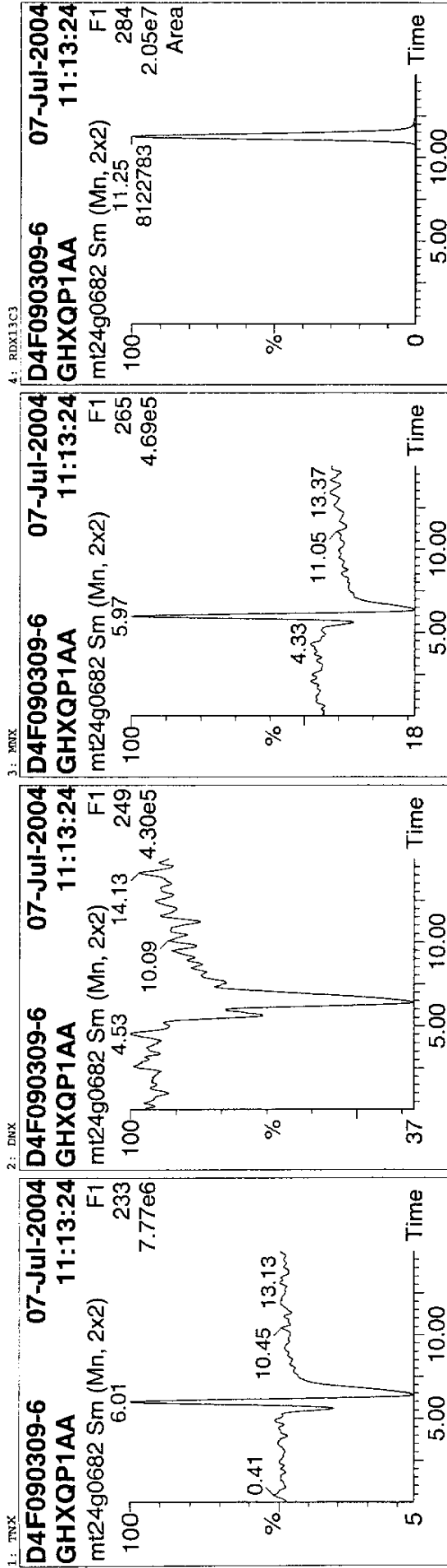
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msd\msd\PRO\SampleDB\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msd\msd\PRO\Method\mt24F06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0682
Text: D4F090309-6



# Name	RT	Area	Response	Flags	Ion Ratio	Result	µg/(L or kg)	%Rec	Mod. Date	Mod. Comment
1 TNX	11.25	8122783	8122782.500	bb		0.4793	101.42			
2 DNX										
3 MNX										
4 RDX13C3										

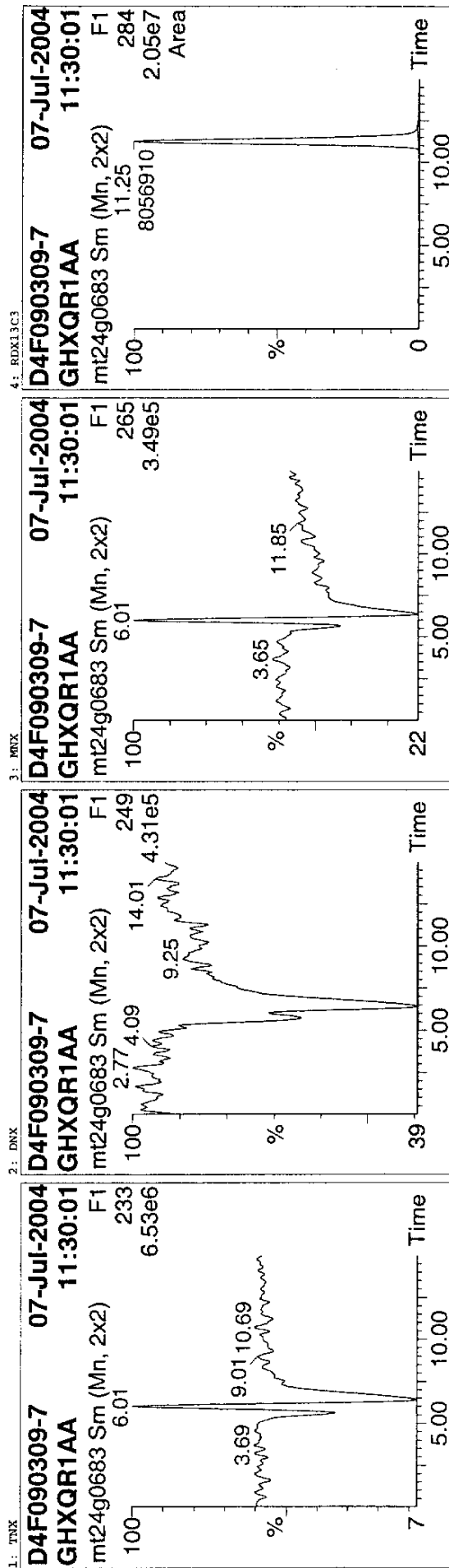
Analyst: Steve Cowling

Quantify Sample Report
RDX Degradates Analysis

Sample List: C:\Masslynx\msl\mt24g06(3)
Last modified: Wed Jul 07 12:06:23 2004
Method: C:\Masslynx\msl\mt24g06
Last modified: Tue Jul 06 16:18:34 2004
Job Code:

Printed: Wed Jul 07 12:06:55 2004

Name: mt24g0683
Text: D4F090309-7



# Name	RT	Area	Response	Flags	Ion Ratio	Result $\mu\text{g}/(\text{L or kg})$	%Rec	Mod.Date	Mod.Comment
1 TTX	11.25	8056910	8056909.500	bb		0.4789	100.57		
2 DNX									
3 MNX									
4 RDX13C3									

Analyst: Steve Cowling

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