TRIMATRIX LABORATORIES

SECTION - G

GC/MS SEMI-VOLATILE ORGANICS

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Individual sample results relate only to the sample tested.

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STATEMENT OF DATA QUALIFICATIONS

Semivolatile Organic Compounds by EPA Method 8270C

Qualification: The quality control batch(s), associated with the following samples and analyses, do not contain an MS/MSD or MS/DUP because client specific matrix QC was not requested. An LCS and LCSD were analyzed as the measure of batch precision and accuracy.

Analysis: USEPA-8270C

Sample/Analyte:
1205072-01 106092
1205073-01 106093

Qualification: Manual integration was performed on this sample for the analyte(s) listed below in accordance with the TriMatrix Manual Integration SOP. All necessary documentation, including the signed review, is included in the raw data section of the data package.

Analysis: USEPA-8270C

Sample/Analyte:	
1205072-01 106092	Nitrobenzene-d5

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was less than 5 times the MB value, is considered estimated.

Analysis: USEPA-8270C

Sample/Analyte:	
1205072-01 106092	Anthracene
1205072-01 106092	Fluoranthene
1205072-01 106092	Phenanthrene
1205072-01 106092	Pyrene
1205073-01 106093	Anthracene
1205073-01 106093	Fluoranthene

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM050112

USEPA-8270C

SAMPLE ID SUMMARY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

SDG: KNM050112

Project: KNM

Client Sample Id:	Lab Sample Id:
106092	1205072-01
106093	1205073-01
106036	1205085-01
106037	1205085-02

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2E11005
Sequence: 2E11033
Instrument: 308

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (2E11033-CCV1)		**Lab File ID: 10bna0509.D**		**Analyzed: 05/09/12 09:57**			
Nitrobenzene-d5	8.86	8.96	-0.10	+/-1.0	101	75 - 125	
2-Fluorobiphenyl	13.01	13.11	-0.10	+/-1.0	93	75 - 125	
o-Terphenyl	18.70	18.78	-0.08	+/-1.0	95	75 - 125	
Blank (1205517-BLK1)		**Lab File ID: 1205517-blk1.I**		**Analyzed: 05/09/12 11:07**			
Nitrobenzene-d5	8.86	8.96	-0.11	+/-1.0	72	31 - 123	
2-Fluorobiphenyl	13.00	13.11	-0.11	+/-1.0	76	25 - 113	
o-Terphenyl	18.70	18.78	-0.08	+/-1.0	74	42 - 125	
LCS (1205517-BS1)		**Lab File ID: 1205517-bs1.D**		**Analyzed: 05/09/12 11:42**			
Nitrobenzene-d5	8.86	8.96	-0.11	+/-1.0	70	31 - 123	
2-Fluorobiphenyl	13.00	13.11	-0.11	+/-1.0	72	25 - 113	
o-Terphenyl	18.70	18.78	-0.08	+/-1.0	82	42 - 125	
LCS Dup (1205517-BSD1)		**Lab File ID: 1205517-bsd1.I**		**Analyzed: 05/09/12 12:17**			
Nitrobenzene-d5	8.86	8.96	-0.11	+/-1.0	63	31 - 123	
2-Fluorobiphenyl	13.00	13.11	-0.11	+/-1.0	65	25 - 113	
o-Terphenyl	18.70	18.78	-0.08	+/-1.0	72	42 - 125	
106092 (1205072-01)		**Lab File ID: 1205072-01.D**		**Analyzed: 05/09/12 14:38**			
Nitrobenzene-d5	8.87	8.96	-0.10	+/-1.0	71	31 - 123	
2-Fluorobiphenyl	13.01	13.11	-0.10	+/-1.0	55	25 - 113	
o-Terphenyl	18.70	18.78	-0.08	+/-1.0	73	42 - 125	
106093 (1205073-01)		**Lab File ID: 1205073-01.D**		**Analyzed: 05/09/12 15:13**			
Nitrobenzene-d5	8.86	8.96	-0.11	+/-1.0	60	31 - 123	
2-Fluorobiphenyl	13.00	13.11	-0.11	+/-1.0	59	25 - 113	
o-Terphenyl	18.70	18.78	-0.08	+/-1.0	72	42 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2E22051

SDG: KNM050112
Project: KNM
Calibration: 2E22022
Instrument: 339

Lab Sample Id Surrogate Compound Name	RT	Calibration Mean RT	RT Diff	RT Diff Limit	% Recovery	Recovery Limits	Q
Calibration Check (2E22051-CCV1)		**Lab File ID: 10bna0522.D**		**Analyzed: 05/22/12 02:35**			
Nitrobenzene-d5	8.98	8.97	0.00	+/-1.0	107	75 - 125	
2-Fluorobiphenyl	13.13	13.13	0.00	+/-1.0	101	75 - 125	
o-Terphenyl	18.81	18.81	0.00	+/-1.0	100	75 - 125	
Blank (1205838-BLK1)		**Lab File ID: 1205838-blk1.I**		**Analyzed: 05/22/12 03:08**			
Nitrobenzene-d5	8.97	8.97	-0.01	+/-1.0	83	31 - 123	
2-Fluorobiphenyl	13.13	13.13	0.00	+/-1.0	87	25 - 113	
o-Terphenyl	18.80	18.81	0.00	+/-1.0	91	42 - 125	
LCS (1205838-BS1)		**Lab File ID: 1205838-bs1.D**		**Analyzed: 05/22/12 04:14**			
Nitrobenzene-d5	8.97	8.97	-0.01	+/-1.0	82	31 - 123	
2-Fluorobiphenyl	13.13	13.13	0.00	+/-1.0	85	25 - 113	
o-Terphenyl	18.80	18.81	0.00	+/-1.0	85	42 - 125	
Matrix Spike (1205838-MS1)		**Lab File ID: 1205838-ms1.D**		**Analyzed: 05/22/12 07:37**			
Nitrobenzene-d5	8.97	8.97	-0.01	+/-1.0	79	31 - 123	
2-Fluorobiphenyl	13.13	13.13	0.00	+/-1.0	85	25 - 113	
o-Terphenyl	18.80	18.81	0.00	+/-1.0	87	42 - 125	
Matrix Spike Dup (1205838-MSD1)		**Lab File ID: 1205838-msd1.**		**Analyzed: 05/22/12 08:10**			
Nitrobenzene-d5	8.96	8.97	-0.02	+/-1.0	75	31 - 123	
2-Fluorobiphenyl	13.12	13.13	-0.01	+/-1.0	83	25 - 113	
o-Terphenyl	18.80	18.81	0.00	+/-1.0	87	42 - 125	
106036 (1205085-01)		**Lab File ID: 1205085-01.D**		**Analyzed: 05/22/12 08:43**			
Nitrobenzene-d5	8.96	8.97	-0.01	+/-1.0	77	31 - 123	
2-Fluorobiphenyl	13.12	13.13	-0.01	+/-1.0	84	25 - 113	
o-Terphenyl	18.80	18.81	0.00	+/-1.0	92	42 - 125	
106037 (1205085-02)		**Lab File ID: 1205085-02.D**		**Analyzed: 05/22/12 09:15**			
Nitrobenzene-d5	8.96	8.97	-0.02	+/-1.0	74	31 - 123	
2-Fluorobiphenyl	13.12	13.13	-0.01	+/-1.0	80	25 - 113	
o-Terphenyl	18.80	18.81	-0.01	+/-1.0	88	42 - 125	

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106037

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205838

SDG: KNM050112

Project: KNM

Laboratory ID: 1205838-MS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 870 mL / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acenaphthene	11.5	ND	9.36	81	46 - 120	ug/L
Naphthalene	11.6	ND	9.54	82	39 - 124	ug/L
Pyrene	11.5	ND	9.93	86	55 - 134	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106037

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205838

SDG: KNM050112

Project: KNM

Laboratory ID: 1205838-MSD1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 900 mL / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	11.1	8.82	79	6	12	46 - 120	ug/L
Naphthalene	11.2	9.02	80	6	15	39 - 124	ug/L
Pyrene	11.1	8.97	81	10	16	55 - 134	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205517

SDG: KNM050112

Project: KNM

Laboratory ID: 1205517-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2E11033

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	6.86	69	53 - 126	ug/L
Naphthalene	10.1	6.67	66	50 - 127	ug/L
Pyrene	10.0	7.07	71	60 - 134	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

SDG: KNM050112

Project: KNM

Laboratory ID: 1205517-BSD1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

QC Batch: 1205517

Sequence: 2E11033

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	10.0	6.15	62	11	20	53 - 126	ug/L
Naphthalene	10.1	5.79	57	14	20	50 - 127	ug/L
Pyrene	10.0	6.30	63	12	20	60 - 134	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205838

SDG: KNM050112

Project: KNM

Laboratory ID: 1205838-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2E22051

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	9.40	8.13	86	53 - 126	ug/L
Naphthalene	9.40	7.87	84	50 - 127	ug/L
Pyrene	9.40	8.82	94	60 - 134	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

METHOD BLANK DATA SHEET
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205517-BLK1 File ID: 1205517-blk1.D

Prepared: 05/04/12 12:38 Analyzed: 05/09/12 11:07

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1205517 Sequence: 2E11033 Calibration: 2E11005 Instrument: 308

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
83-32-9	Acenaphthene	5.0	ug/L	0.050	5.0	U
208-96-8	Acenaphthylene	5.0	ug/L	0.050	5.0	U
120-12-7	Anthracene	0.030	ug/L	0.018	5.0	J
56-55-3	Benzo(a)anthracene	1.0	ug/L	0.026	1.0	U
50-32-8	Benzo(a)pyrene	1.0	ug/L	0.040	1.0	U
205-99-2	Benzo(b)fluoranthene	1.0	ug/L	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	ug/L	0.026	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	ug/L	0.031	1.0	U
218-01-9	Chrysene	1.0	ug/L	0.031	1.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	ug/L	0.034	2.0	U
206-44-0	Fluoranthene	0.030	ug/L	0.017	1.0	J
86-73-7	Fluorene	5.0	ug/L	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	ug/L	0.024	2.0	U
91-57-6	2-Methylnaphthalene	5.0	ug/L	0.024	5.0	U
91-20-3	Naphthalene	5.0	ug/L	0.050	5.0	U
85-01-8	Phenanthrene	0.030	ug/L	0.024	2.0	J
129-00-0	Pyrene	0.040	ug/L	0.025	5.0	J

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Nitrobenzene-d5	10.0	7.16	72	31 - 123	
2-Fluorobiphenyl	10.0	7.61	76	25 - 113	
o-Terphenyl	10.1	7.52	74	42 - 125	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Naphthalene-d8	1621312	10.431	106	10.541	
Acenaphthene-d10	788793	14.534	88	14.651	
Phenanthrene-d10	987138	17.95	71	18.043	
Chrysene-d12	541479	21.546	85	21.616	
Perylene-d12	566751	23.242	101	23.341	

QC BATCH SUMMARY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050112

Client: TechLaw

Project: KNM

QC Batch: 1205517 QC Batch Matrix: Water

Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106092	1205072-01	05/04/12 12:38	
106093	1205073-01	05/04/12 12:38	
Blank	1205517-BLK1	05/04/12 12:38	
LCS	1205517-BS1	05/04/12 12:38	
LCS Dup	1205517-BSD1	05/04/12 12:38	

METHOD BLANK DATA SHEET
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205838-BLK1 File ID: 1205838-blk1.D

Prepared: 05/09/12 08:36 Analyzed: 05/22/12 03:08

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1205838 Sequence: 2E22051 Calibration: 2E22022 Instrument: 339

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
83-32-9	Acenaphthene	5.0	ug/L	0.050	5.0	U
208-96-8	Acenaphthylene	5.0	ug/L	0.050	5.0	U
120-12-7	Anthracene	5.0	ug/L	0.018	5.0	U
56-55-3	Benzo(a)anthracene	1.0	ug/L	0.026	1.0	U
50-32-8	Benzo(a)pyrene	1.0	ug/L	0.040	1.0	U
205-99-2	Benzo(b)fluoranthene	1.0	ug/L	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	ug/L	0.026	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	ug/L	0.031	1.0	U
218-01-9	Chrysene	1.0	ug/L	0.031	1.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	ug/L	0.034	2.0	U
206-44-0	Fluoranthene	1.0	ug/L	0.017	1.0	U
86-73-7	Fluorene	5.0	ug/L	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	ug/L	0.024	2.0	U
91-57-6	2-Methylnaphthalene	5.0	ug/L	0.024	5.0	U
91-20-3	Naphthalene	5.0	ug/L	0.050	5.0	U
85-01-8	Phenanthrene	2.0	ug/L	0.024	2.0	U
129-00-0	Pyrene	5.0	ug/L	0.025	5.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Nitrobenzene-d5	10.0	8.29	83	31 - 123	
2-Fluorobiphenyl	10.0	8.68	87	25 - 113	
o-Terphenyl	10.1	9.16	91	42 - 125	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Naphthalene-d8	3406165	10.545	144	10.551	
Acenaphthene-d10	1843092	14.671	138	14.677	
Phenanthrene-d10	2547486	18.069	131	18.075	
Chrysene-d12	1245948	21.654	134	21.66	
Perylene-d12	1307969	23.397	140	23.397	

QC BATCH SUMMARY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050112

Client: TechLaw

Project: KNM

QC Batch: 1205838 QC Batch Matrix: Water

Preparation: 3510C Liquid-Liquid Extraction

Sample Name	Lab Sample ID	Date Prepared	Observations
106036	1205085-01	05/09/12 08:36	
106037	1205085-02	05/09/12 08:36	
Blank	1205838-BLK1	05/09/12 08:36	
LCS	1205838-BS1	05/09/12 08:36	
106037	1205838-MS1	05/09/12 08:36	
106037	1205838-MSD1	05/09/12 08:36	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Lab Sample ID: 2E11031-TUN1

Injection Date: 05/07/12

Sequence: 2E11031

SDG: KNM050112

Project: KNM

Lab File ID: dft0507b.D

Injection Time: 08:51

Calibration: 2E11005

Instrument ID: 308

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	39.7	PASS
68	Less than 2% of 69	1.57	PASS
69	Less than 200% of 198	45.5	PASS
70	Less than 2% of 69	0.446	PASS
127	40 - 60% of 198	54.2	PASS
197	Less than 1% of 198	0.378	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.72	PASS
275	10 - 30% of 198	23.9	PASS
365	1.0001 - 200% of 198	3.07	PASS
441	0.0001 - 99.9999% of 443	72.1	PASS
442	40.0001 - 200% of 198	49.3	PASS
443	17 - 23% of 442	20.5	PASS

INITIAL CALIBRATION STANDARDS

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E11031

SDG: KNM050112

Project: KNM

Calibration: 2E11005

Instrument: 308

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2040943	dftpp tune	2E11031-TUN1	dft0507b.D	05/07/12 08:51
2050106	0.5ppm BNA	2E11031-CAL1	05ic0507.D	05/07/12 09:47
2050256	1ppm BNA	2E11031-CAL2	1ic0507.D	05/07/12 10:22
2050255	2ppm BNA	2E11031-CAL3	2ic0507.D	05/07/12 10:58
2050254	5ppm BNA	2E11031-CAL4	5ic0507.D	05/07/12 11:33
2050250	25ppm BNA	2E11031-CAL8	25ic0507.D	05/07/12 13:19
2050253	10ppm BNA	2E11031-CAL5	10ic0507a.D	05/07/12 13:53
2050251	20ppm BNA	2E11031-CAL7	20ic0507a.D	05/07/12 14:30
2050252	15ppm BNA	2E11031-CAL6	15ic0507a.D	05/07/12 15:05
2050258	10ppm BNAscv	2E11031-SCV1	10scvbna0507a.D	05/07/12 16:15

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Lab Sample ID: 2E11033-TUN1
Lab File ID: dft0509d.D
Injection Date: 05/09/12
Injection Time: 09:36
Sequence: 2E11033
Instrument ID: 308

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	36.1	PASS
68	Less than 2% of 69	1.22	PASS
69	Less than 200% of 198	42.3	PASS
70	Less than 2% of 69	0.365	PASS
127	40 - 60% of 198	51.4	PASS
197	Less than 1% of 198	0.141	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.59	PASS
275	10 - 30% of 198	25.1	PASS
365	1.0001 - 200% of 198	3.31	PASS
441	0.0001 - 99.9999% of 443	71.1	PASS
442	40.0001 - 200% of 198	56.8	PASS
443	17 - 23% of 442	20.5	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E11033

SDG: KNM050112

Project: KNM

Calibration: 2E11005

Instrument: 308

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E11033-TUN1	dft0509d.D	05/09/12 09:36
Calibration Check	2E11033-CCV1	10bna0509.D	05/09/12 09:57
Blank	1205517-BLK1	1205517-blk1.D	05/09/12 11:07
LCS	1205517-BS1	1205517-bs1.D	05/09/12 11:42
LCS Dup	1205517-BSD1	1205517-bsd1.D	05/09/12 12:17
106092	1205072-01	1205072-01.D	05/09/12 14:38
106093	1205073-01	1205073-01.D	05/09/12 15:13

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MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Lab Sample ID: 2E22049-TUN1

Injection Date: 05/21/12

Sequence: 2E22049

SDG: KNM050112

Project: KNM

Lab File ID: dft0521e.D

Injection Time: 15:54

Calibration: 2E22022

Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	46.6	PASS
68	Less than 2% of 69	1.28	PASS
69	Less than 200% of 198	40.8	PASS
70	Less than 2% of 69	0.512	PASS
127	40 - 60% of 198	56.3	PASS
197	Less than 1% of 198	0.482	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.8	PASS
275	10 - 30% of 198	20.8	PASS
365	1.0001 - 200% of 198	2.64	PASS
441	0.0001 - 99.9999% of 443	73.1	PASS
442	40.0001 - 200% of 198	72.4	PASS
443	17 - 23% of 442	20	PASS

INITIAL CALIBRATION STANDARDS

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E22049

SDG: KNM050112

Project: KNM

Calibration: 2E22022

Instrument: 339

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
2040943	dftpp tune	2E22049-TUN1	dft0521e.D	05/21/12 15:54
2050253	10ppm BNA	2E22049-CAL5	10ic0521a.D	05/21/12 16:12
2050257	0.5ppm BNA	2E22049-CAL1	05ic0521a.D	05/21/12 16:45
2050256	1ppm BNA	2E22049-CAL2	1ic0521.D	05/21/12 17:18
2050255	2ppm BNA	2E22049-CAL3	2ic0521.D	05/21/12 17:50
2050254	5ppm BNA	2E22049-CAL4	5ic0521.D	05/21/12 18:23
2050252	15ppm BNA	2E22049-CAL6	15ic0521.D	05/21/12 18:56
2050251	20ppm BNA	2E22049-CAL7	20ic0521.D	05/21/12 19:29
2050250	25ppm BNA	2E22049-CAL8	25ic0521.D	05/21/12 20:02
2050258	10ppm BNAscv	2E22049-SCV1	scvbna0521a.D	05/21/12 20:35

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Lab Sample ID: 2E22051-TUN1
Lab File ID: dft0522b.D
Injection Date: 05/22/12
Injection Time: 02:16
Sequence: 2E22051
Instrument ID: 339

m/z	Ion Abundance Criteria	% Relative Abundance	
51	30 - 60% of 198	45.6	PASS
68	Less than 2% of 69	1.37	PASS
69	Less than 200% of 198	39.6	PASS
70	Less than 2% of 69	0.478	PASS
127	40 - 60% of 198	56	PASS
197	Less than 1% of 198	0.313	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.67	PASS
275	10 - 30% of 198	21.1	PASS
365	1.0001 - 200% of 198	2.77	PASS
441	0.0001 - 99.9999% of 443	74.4	PASS
442	40.0001 - 200% of 198	74.9	PASS
443	17 - 23% of 442	20.1	PASS

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E22051

SDG: KNM050112

Project: KNM

Calibration: 2E22022

Instrument: 339

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2E22051-TUN1	dft0522b.D	05/22/12 02:16
Calibration Check	2E22051-CCV1	10bna0522.D	05/22/12 02:35
Blank	1205838-BLK1	1205838-blk1.D	05/22/12 03:08
LCS	1205838-BS1	1205838-bs1.D	05/22/12 04:14
106037	1205838-MS1	1205838-ms1.D	05/22/12 07:37
106037	1205838-MSD1	1205838-msd1.D	05/22/12 08:10
106036	1205085-01	1205085-01.D	05/22/12 08:43
106037	1205085-02	1205085-02.D	05/22/12 09:15

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2E11005
Sequence: 2E11033
Instrument: 308

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E11033-CCV1)			**Lab File ID: 10bna0509.D**			**Analyzed: 05/09/12 09:57**			
Naphthalene-d8	1525493	10.431	1558634	10.541	98	50 - 200	-0.1100	+/-0.50	
Acenaphthene-d10	892555	14.54	858616	14.651	104	50 - 200	-0.1110	+/-0.50	
Phenanthrene-d10	1390544	17.95	1276365	18.043	109	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	638494	21.546	614922	21.616	104	50 - 200	-0.0700	+/-0.50	
Perylene-d12	561196	23.242	529923	23.341	106	50 - 200	-0.0990	+/-0.50	
Blank (1205517-BLK1)			**Lab File ID: 1205517-blk1.D**			**Analyzed: 05/09/12 11:07**			
Naphthalene-d8	1621312	10.431	1525493	10.541	106	50 - 200	-0.1100	+/-0.50	
Acenaphthene-d10	788793	14.534	892555	14.651	88	50 - 200	-0.1170	+/-0.50	
Phenanthrene-d10	987138	17.95	1390544	18.043	71	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	541479	21.546	638494	21.616	85	50 - 200	-0.0700	+/-0.50	
Perylene-d12	566751	23.242	561196	23.341	101	50 - 200	-0.0990	+/-0.50	
LCS (1205517-BS1)			**Lab File ID: 1205517-bs1.D**			**Analyzed: 05/09/12 11:42**			
Naphthalene-d8	1574133	10.431	1525493	10.541	103	50 - 200	-0.1100	+/-0.50	
Acenaphthene-d10	781771	14.534	892555	14.651	88	50 - 200	-0.1170	+/-0.50	
Phenanthrene-d10	1002728	17.95	1390544	18.043	72	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	552439	21.546	638494	21.616	87	50 - 200	-0.0700	+/-0.50	
Perylene-d12	590789	23.242	561196	23.341	105	50 - 200	-0.0990	+/-0.50	
LCS Dup (1205517-BSD1)			**Lab File ID: 1205517-bsd1.D**			**Analyzed: 05/09/12 12:17**			
Naphthalene-d8	1646633	10.431	1525493	10.541	108	50 - 200	-0.1100	+/-0.50	
Acenaphthene-d10	806362	14.534	892555	14.651	90	50 - 200	-0.1170	+/-0.50	
Phenanthrene-d10	1030877	17.95	1390544	18.043	74	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	556425	21.546	638494	21.616	87	50 - 200	-0.0700	+/-0.50	
Perylene-d12	587374	23.242	561196	23.341	105	50 - 200	-0.0990	+/-0.50	
106092 (1205072-01)			**Lab File ID: 1205072-01.D**			**Analyzed: 05/09/12 14:38**			
Naphthalene-d8	1818721	10.437	1525493	10.541	119	50 - 200	-0.1040	+/-0.50	
Acenaphthene-d10	745083	14.546	892555	14.651	83	50 - 200	-0.1050	+/-0.50	
Phenanthrene-d10	1069887	17.955	1390544	18.043	77	50 - 200	-0.0880	+/-0.50	
Chrysene-d12	587336	21.546	638494	21.616	92	50 - 200	-0.0700	+/-0.50	
Perylene-d12	588460	23.242	561196	23.341	105	50 - 200	-0.0990	+/-0.50	
106093 (1205073-01)			**Lab File ID: 1205073-01.D**			**Analyzed: 05/09/12 15:13**			
Naphthalene-d8	1524964	10.431	1525493	10.541	100	50 - 200	-0.1100	+/-0.50	
Acenaphthene-d10	737216	14.534	892555	14.651	83	50 - 200	-0.1170	+/-0.50	
Phenanthrene-d10	948458	17.95	1390544	18.043	68	50 - 200	-0.0930	+/-0.50	
Chrysene-d12	523191	21.546	638494	21.616	82	50 - 200	-0.0700	+/-0.50	
Perylene-d12	539470	23.242	561196	23.341	96	50 - 200	-0.0990	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sequence: 2E22051

SDG: KNM050112
Project: KNM
Calibration: 2E22022
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2E22051-CCV1)			**Lab File ID: 10bna0522.D**			**Analyzed: 05/22/12 02:35**			
Naphthalene-d8	2361335	10.545	2229321	10.551	106	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1338908	14.677	1251870	14.677	107	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1941283	18.075	1856780	18.075	105	50 - 200	0.0000	+/-0.50	
Chrysene-d12	929998	21.66	974068	21.66	95	50 - 200	0.0000	+/-0.50	
Perylene-d12	931503	23.397	971029	23.397	96	50 - 200	0.0000	+/-0.50	
Blank (1205838-BLK1)			**Lab File ID: 1205838-blk1.D**			**Analyzed: 05/22/12 03:08**			
Naphthalene-d8	3406165	10.545	2361335	10.551	144	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1843092	14.671	1338908	14.677	138	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2547486	18.069	1941283	18.075	131	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1245948	21.654	929998	21.66	134	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1307969	23.397	931503	23.397	140	50 - 200	0.0000	+/-0.50	
LCS (1205838-BS1)			**Lab File ID: 1205838-bs1.D**			**Analyzed: 05/22/12 04:14**			
Naphthalene-d8	2605295	10.545	2361335	10.551	110	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1448110	14.671	1338908	14.677	108	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2122434	18.075	1941283	18.075	109	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1024547	21.66	929998	21.66	110	50 - 200	0.0000	+/-0.50	
Perylene-d12	1053124	23.397	931503	23.397	113	50 - 200	0.0000	+/-0.50	
Matrix Spike (1205838-MS1)			**Lab File ID: 1205838-ms1.D**			**Analyzed: 05/22/12 07:37**			
Naphthalene-d8	2816542	10.545	2361335	10.551	119	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1536306	14.672	1338908	14.677	115	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2201765	18.076	1941283	18.075	113	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1106815	21.66	929998	21.66	119	50 - 200	0.0000	+/-0.50	
Perylene-d12	1071475	23.403	931503	23.397	115	50 - 200	0.0060	+/-0.50	
Matrix Spike Dup (1205838-MSD1)			**Lab File ID: 1205838-msd1.D**			**Analyzed: 05/22/12 08:10**			
Naphthalene-d8	2142476	10.545	2361335	10.551	91	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1163949	14.671	1338908	14.677	87	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1673759	18.07	1941283	18.075	86	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	939764	21.654	929998	21.66	101	50 - 200	-0.0060	+/-0.50	
Perylene-d12	927794	23.397	931503	23.397	100	50 - 200	0.0000	+/-0.50	
106036 (1205085-01)			**Lab File ID: 1205085-01.D**			**Analyzed: 05/22/12 08:43**			
Naphthalene-d8	2272283	10.539	2361335	10.551	96	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1216464	14.666	1338908	14.677	91	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	1610089	18.07	1941283	18.075	83	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	764395	21.654	929998	21.66	82	50 - 200	-0.0060	+/-0.50	
Perylene-d12	755448	23.397	931503	23.397	81	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Matrix: Water
Calibration: 2E22022
Sequence: 2E22051
Instrument: 339

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
106037 (1205085-02)			**Lab File ID: 1205085-02.D**			**Analyzed: 05/22/12 09:15**			
Naphthalene-**d8**	**2109537**	**10.545**	**2361335**	**10.551**	**89**	**50 - 200**	**-0.0060**	**+/-0.50**	
Acenaphthene-d10	**1150468**	**14.666**	**1338908**	**14.677**	**86**	**50 - 200**	**-0.0110**	**+/-0.50**	
Phenanthrene-d10	**1494317**	**18.07**	**1941283**	**18.075**	**77**	**50 - 200**	**-0.0050**	**+/-0.50**	
Chrysene-d12	**708481**	**21.654**	**929998**	**21.66**	**76**	**50 - 200**	**-0.0060**	**+/-0.50**	
Perylene-d12	**714173**	**23.397**	**931503**	**23.397**	**77**	**50 - 200**	**0.0000**	**+/-0.50**	

HOLDING TIME SUMMARY
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM050112

Client: TechLaw

Project: KNM

Method: Semivolatile Organic Compounds by EPA Method 8270C

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
106092	05/01/12	05/02/12		05/04/12	3	7	05/09/12	5	40	
106093	05/01/12	05/02/12		05/04/12	3	7	05/09/12	5	40	
106036	05/02/12	05/03/12		05/09/12	7	7	05/22/12	13	40	
106037	05/02/12	05/03/12		05/09/12	7	7	05/22/12	13	40	

ORGANIC ANALYSIS DATA SHEET
USEPA-8270C

106092

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205072-01 File ID: 1205072-01.D

Sampled: 05/01/12 15:22 Prepared: 05/04/12 12:38 Analyzed: 05/09/12 14:38

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1205517 Sequence: 2E11033 Calibration: 2E11005 Instrument: 308

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
83-32-9	Acenaphthene	1	5.0	0.050	5.0	U
208-96-8	Acenaphthylene	1	5.0	0.050	5.0	U
120-12-7	Anthracene	1	0.031	0.018	5.0	J
56-55-3	Benzo(a)anthracene	1	0.071	0.026	1.0	J
50-32-8	Benzo(a)pyrene	1	0.061	0.040	1.0	J
205-99-2	Benzo(b)fluoranthene	1	1.0	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1	0.031	0.026	1.0	J
207-08-9	Benzo(k)fluoranthene	1	0.051	0.031	1.0	J
218-01-9	Chrysene	1	0.061	0.031	1.0	J
53-70-3	Dibenz(a,h)anthracene	1	0.051	0.034	2.0	J
206-44-0	Fluoranthene	1	0.061	0.017	1.0	J
86-73-7	Fluorene	1	5.0	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	0.051	0.024	2.0	J
91-57-6	2-Methylnaphthalene	1	0.092	0.024	5.0	J
91-20-3	Naphthalene	1	5.0	0.050	5.0	U
85-01-8	Phenanthrene	1	0.061	0.024	2.0	J
129-00-0	Pyrene	1	0.10	0.025	5.0	J

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Nitrobenzene-d5	10.2	7.23	71	31 - 123	
2-Fluorobiphenyl	10.2	5.64	55	25 - 113	
o-Terphenyl	10.3	7.51	73	42 - 125	

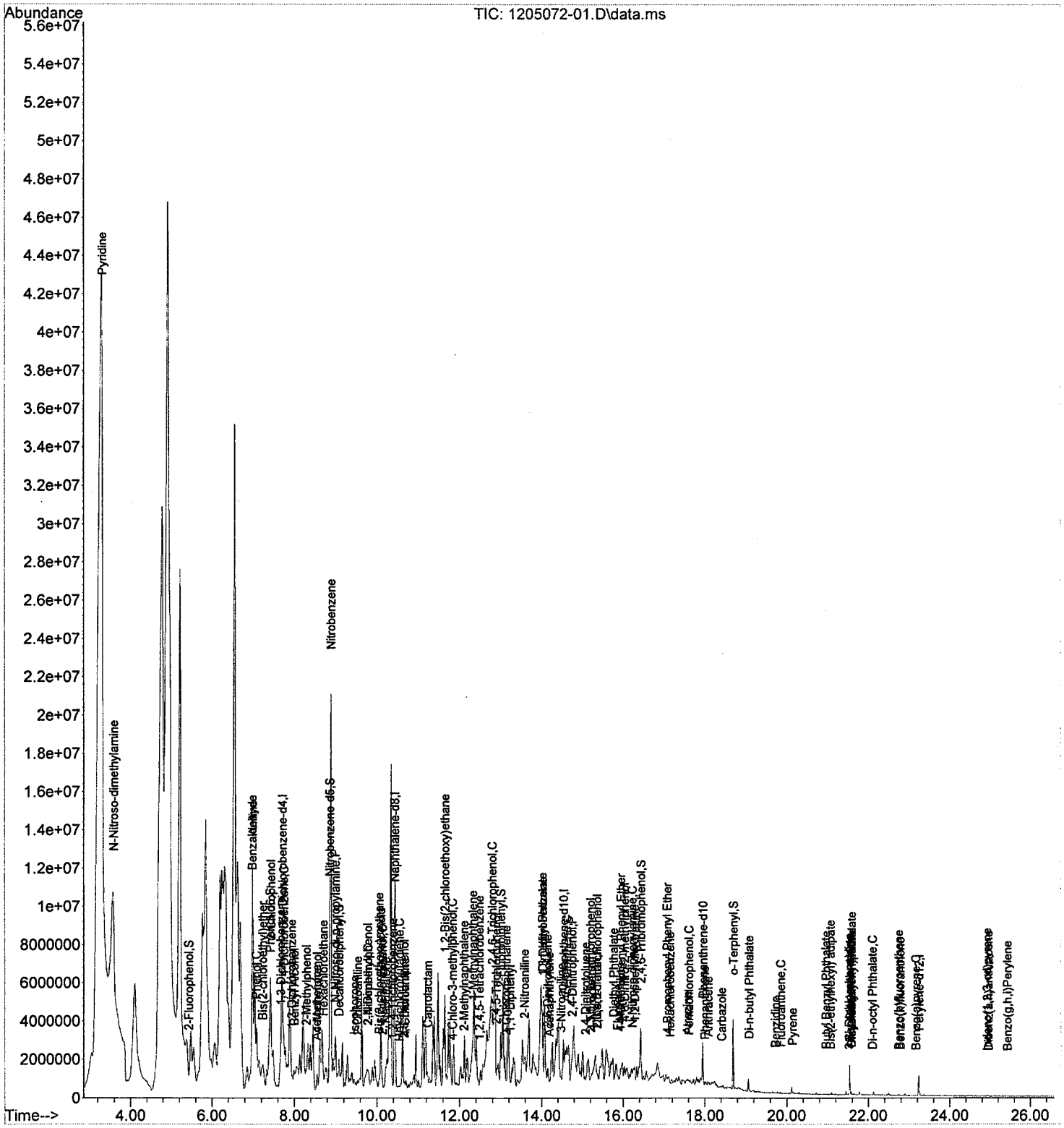
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Naphthalene-d8	1818721	10.437	119	10.541	
Acenaphthene-d10	745083	14.546	84	14.651	
Phenanthrene-d10	1069887	17.955	77	18.043	
Chrysene-d12	587336	21.546	92	21.616	
Perylene-d12	588460	23.242	105	23.341	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:41 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



00562

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:41 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.715	152	369162	5.00	ng/uL	#	0.00
21) Naphthalene-d8	10.437	136	1818721	5.00	ng/uL		0.00
43) Acenaphthene-d10	14.546	164	745083	5.00	ng/uL	#	0.00
67) Phenanthrene-d10	17.955	188	1069887	5.00	ng/uL		0.00
82) Chrysene-d12	21.546	240	587336	5.00	ng/uL	#	0.00
93) Perylene-d12	23.242	264	588460	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.430	112	878670	8.65	ng/uL		0.10
7) Phenol-d6	7.417	99	899187	7.91	ng/uL		0.41
22) Nitrobenzene-d5	8.869	82	914772m	7.09	ng/uL		0.00
24) Decafluorobiphenyl	9.084	334	306956	3.18	ng/uL		0.00
48) 2-Fluorobiphenyl	13.007	172	993902	5.53	ng/uL		0.00
71) 2,4,6-Tribromophenol	16.434	330	275244	19.78	ng/uL		0.00
79) o-Terphenyl	18.702	230	814999	7.36	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.588	74	1004026	14.43	ng/uL	#	1
3) Pyridine	3.314	79	119759	0.96	ng/uL	#	1
5) Aniline	6.992	93	68139	0.92	ng/uL		93
6) Benzaldehyde	6.986	105	140466	252.83	ng/uL	#	23
8) Phenol	7.079	94	161758	1.10	ng/uL	#	37
9) Bis(2-chloroethyl)ether	7.237	93	10540	0.10	ng/uL		100
10) 2-Chlorophenol	7.435	128	275125	2.60	ng/uL	#	62
11) 1,3-Dichlorobenzene	7.674	146	334	0.00	ng/uL	#	34
12) 1,4-Dichlorobenzene	7.744	146	194	0.00	ng/uL	#	36
13) 1,2-Dichlorobenzene	7.936	146	70	0.00	ng/uL	#	1
14) Bis(2-chloroisipropyl)...	8.332	45	22835	Below Cal		#	68
15) Benzyl Alcohol	8.000	108	1910	0.03	ng/uL	#	1
16) 2-Methylphenol	8.292	108	166942	1.79	ng/uL	#	64
17) Acetophenone	8.542	105	74612	0.52	ng/uL	#	49
18) Hexachloroethane	8.705	119	17502	0.37	ng/uL	#	14
19) 4-Methylphenol	8.554	107	643	0.01	ng/uL	#	13
20) N-Nitroso-di-n-propyla...	8.997	70	244626	3.24	ng/uL	#	1
23) Nitrobenzene	8.898	77	2683480	18.48	ng/uL	#	54
25) Isophorone	9.451	82	216209	0.95	ng/uL		97
26) 2-Chloroaniline	9.533	127	50390	0.34	ng/uL	#	56
27) 2-Nitrophenol	9.784	139	58645	1.01	ng/uL	#	1
28) 2,4-Dimethylphenol	9.778	107	138413	1.11	ng/uL		94
29) Bis(2-chlorethoxy)methane	10.058	93	17497	0.13	ng/uL		89
30) 2,4-Dichlorophenol	10.139	162	235	0.00	ng/uL	#	26
31) Benzoic Acid	10.104	105	1790627	23.48	ng/uL	#	52
32) 1,2,4-Trichlorobenzene	10.390	180	1196	0.01	ng/uL		80
33) Naphthalene	10.221	128	156155	~~0.42~~	ng/uL		100
34) 4-Chloroaniline	10.676	127	27391	0.65	ng/uL	#	27
35) 2,6-Dichlorophenol	10.658	162	1307	0.01	ng/uL	#	26
36) Hexachlorobutadiene	10.547	225	56	0.00	ng/uL	#	24
37) Caprolactam	11.229	55	136762	4.78	ng/uL	#	40
38) 1,2-Bis(2-chloroethoxy...	11.649	63	118261	1.15	ng/uL	#	100
39) 4-Chloro-3-methylphenol	11.824	107	4698	0.05	ng/uL	#	14
40) 2-Methylnaphthalene	12.104	142	20734	0.09	ng/uL	#	1
41) 1-Methylnaphthalene	12.319	142	50744	0.23	ng/uL	#	82

00563

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:41 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.027	168	1476	0.57	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.482	216	121	0.00	ng/uL#	1
45) Hexachlorocyclopentadiene	0.000		0	N.D.		
46) 2,4,6-Trichlorophenol	12.791	196	1574	0.04	ng/uL#	63
47) 2,4,5-Trichlorophenol	12.890	196	3300	0.08	ng/uL#	1
49) 2-Chloronaphthalene	13.135	162	40343	0.24	ng/uL	90
50) 1,1'-Biphenyl	13.228	154	5313	0.03	ng/uL#	64
51) 2-Nitroaniline	13.578	138	918	0.21	ng/uL#	1
52) Acenaphthylene	14.190	152	2952	0.01	ng/uL#	55
53) 2,6-Dinitrotoluene	14.144	165	1113	0.04	ng/uL#	1
54) Dimethyl Phthalate	14.021	163	24025	0.15	ng/uL#	53
55) 3-Nitroaniline	14.482	138	2440	0.16	ng/uL#	1
56) Acenaphthene	14.621	153	684	0.00	ng/uL#	1
57) 2,4-Dinitrophenol	14.750	184	804	2.75	ng/uL#	26
58) Dibenzofuran	15.356	168	7330	0.04	ng/uL	100
59) 4-Nitrophenol	15.228	65	6197	1.43	ng/uL	91
60) 2,4-Dinitrotoluene	15.076	165	1580	0.12	ng/uL#	1
61) 2,3,5,6-Tetrachlorophenol	15.204	232	54	0.16	ng/uL#	1
62) 2,3,4,6-Tetrachlorophenol	15.362	232	2421	0.20	ng/uL#	1
63) Fluorene	15.863	166	4306	0.03	ng/uL#	1
64) Diethyl Phthalate	15.764	149	123763	0.78	ng/uL#	31
65) 4-Chlorophenyl Phenyl ...	15.950	204	887	0.01	ng/uL#	1
66) 4-Nitroaniline	15.927	138	5387	0.33	ng/uL#	56
68) 4,6-Dinitro-2-methylph...	16.038	198	3284	0.93	ng/uL#	1
69) N-Nitroso-diphenylamine	16.219	169	4146	0.03	ng/uL#	25
70) 1,2-Diphenylhydrazine	16.283	182	3127	0.08	ng/uL#	1
72) 4-Bromophenyl Phenyl E...	17.081	248	257	0.01	ng/uL#	8
73) Hexachlorobenzene	17.151	284	717	0.02	ng/uL#	1
74) Atrazine	17.571	200	703	0.12	ng/uL	94
75) Pentachlorophenol	17.612	266	8271	0.72	ng/uL#	89
76) Phenanthrene	17.996	178	12223	0.06	ng/uL#	82
77) Anthracene	18.084	178	6188	0.03	ng/uL#	1
78) Carbazole	18.410	167	13556	0.09	ng/uL#	20
80) Di-n-butyl Phthalate	19.080	149	54516	0.37	ng/uL	95
81) Fluoroanthene	19.850	202	11379	0.06	ng/uL#	83
83) Benzidine	19.722	184	2894	0.18	ng/uL#	1
84) Pyrene	20.135	202	18848	0.10	ng/uL#	31
85) Butyl Benzyl Phthalate	20.957	149	6078	0.13	ng/uL#	36
86) Bis(2-ethylhexyl) adipate	21.062	129	1680	0.09	ng/uL#	100
87) Benzo(a)anthracene	21.534	228	9834	0.07	ng/uL#	57
88) 3,3'-Dichlorobenzidine	21.517	252	828	0.03	ng/uL	91
89) Chrysene	21.569	228	8642	0.06	ng/uL#	53
90) Bis(2-ethylhexyl)phtha...	21.587	149	27380	0.39	ng/uL	97
91) Dicyclohexyl Phthalate	21.587	149	27811	0.24	ng/uL#	100
92) Di-n-octyl Phthalate	22.100	149	1803	0.22	ng/uL	98
94) Benzo(b)fluoroanthene	22.741	252	6816	0.05	ng/uL	98
95) Benzo(k)fluoranthene	22.782	252	6447	0.05	ng/uL#	78
96) Benzo(a)pyrene	23.166	252	6328	0.06	ng/uL#	90
97) Indeno(1,2,3-cd)pyrene	24.921	276	5198	0.05	ng/uL#	89
98) Dibenz(a,h)anthracene	24.956	278	4114	0.05	ng/uL#	81
99) Benzo(g,h,i)Perylene	25.428	276	2443	0.03	ng/uL#	14

00564

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:41 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

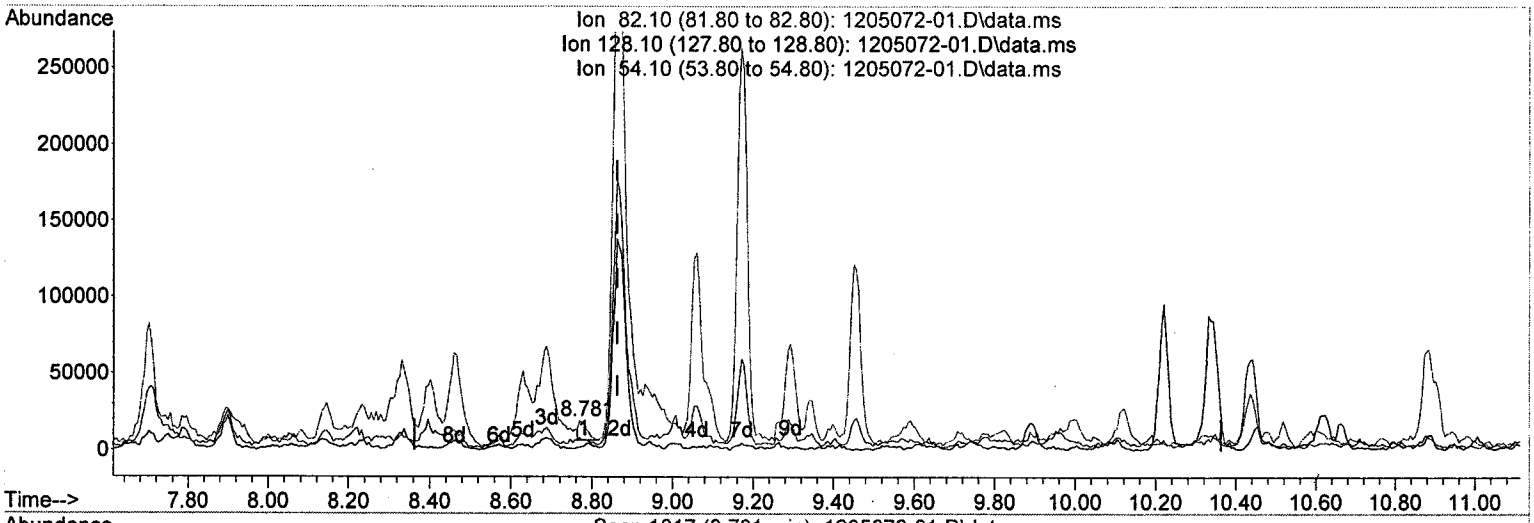
(#) = qualifier out of range (m) = manual integration (+) = signals summed

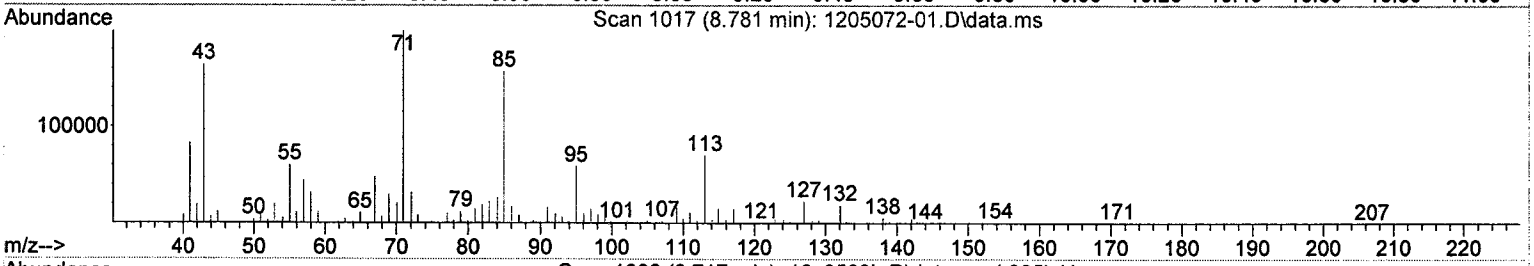
00565

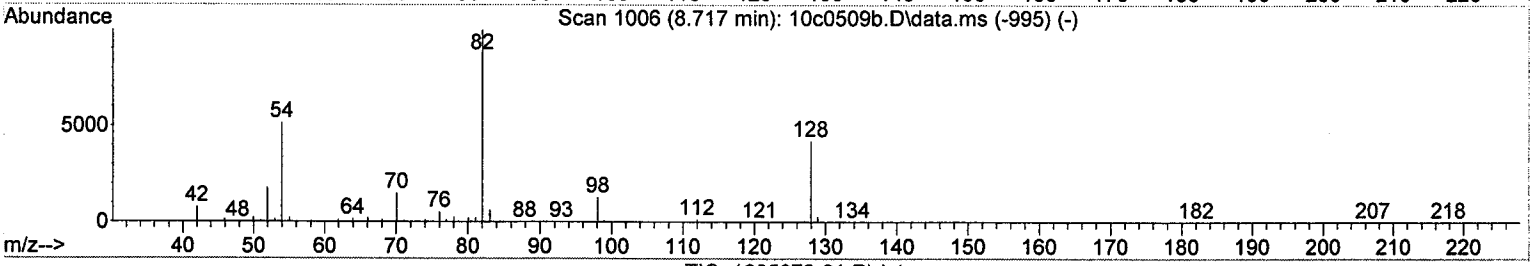
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration







TIC: 1205072-01.D\data.ms

(22) Nitrobenzene-d5 (S)

8.781min (-0.082) 0.14 ng/uL

response 18309

Ion	Exp%	Act%
82.10	100	100
128.10	45.60	38.63
54.10	51.30	44.20
0.00	0.00	0.00

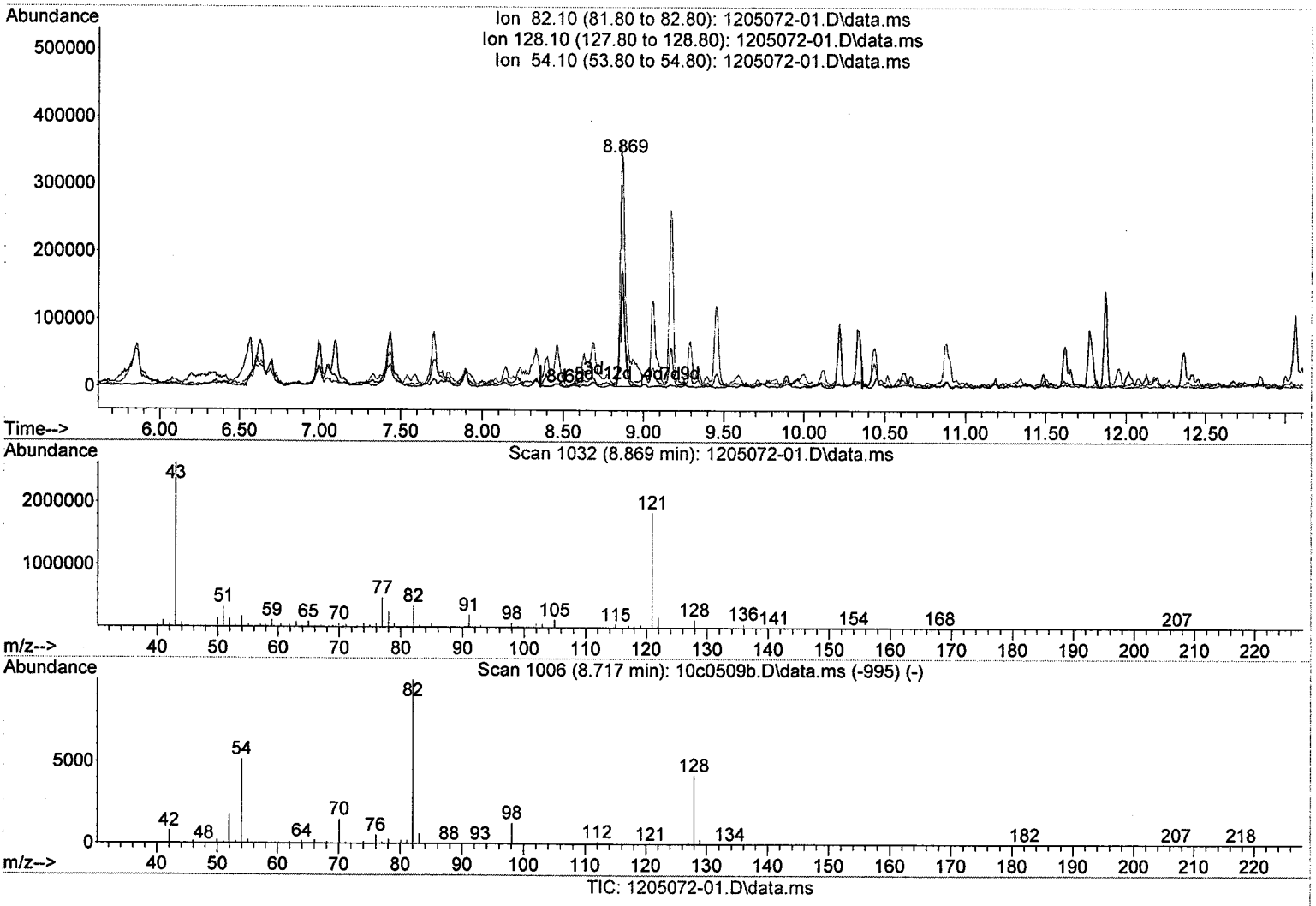
JWS 5/12/12

00566

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(22) Nitrobenzene-d5 (S)

8.869min (+0.006) 7.09 ng/uL m

response 914772

Ion	Exp%	Act%
82.10	100	100
128.10	45.60	0.77#
54.10	51.30	0.88#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5/10/12

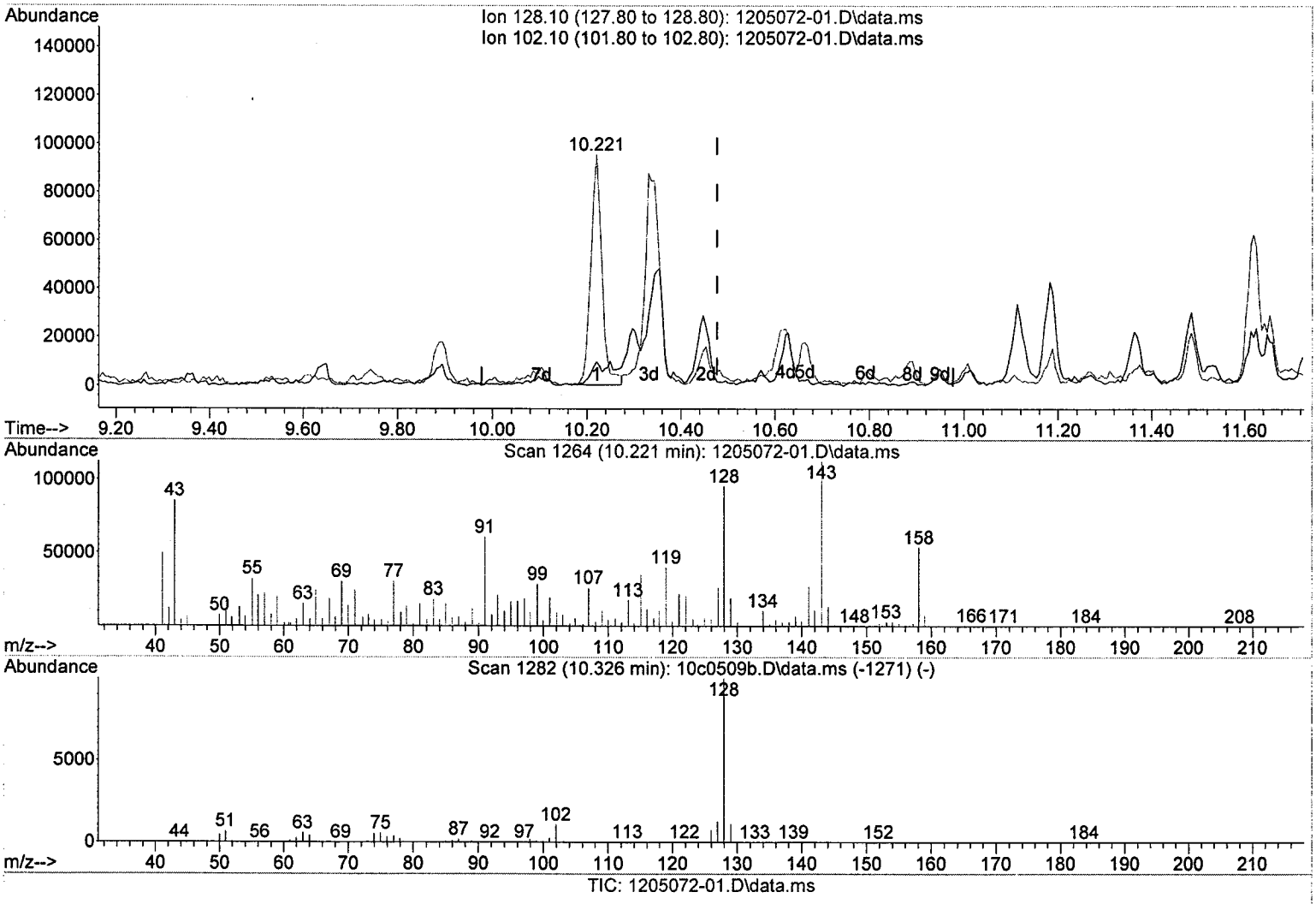
Reviewed By: [illegible] Date: 5/11/12

00567

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(33) Naphthalene

10.221min (-0.257) 0.42 ng/uL

response 156155

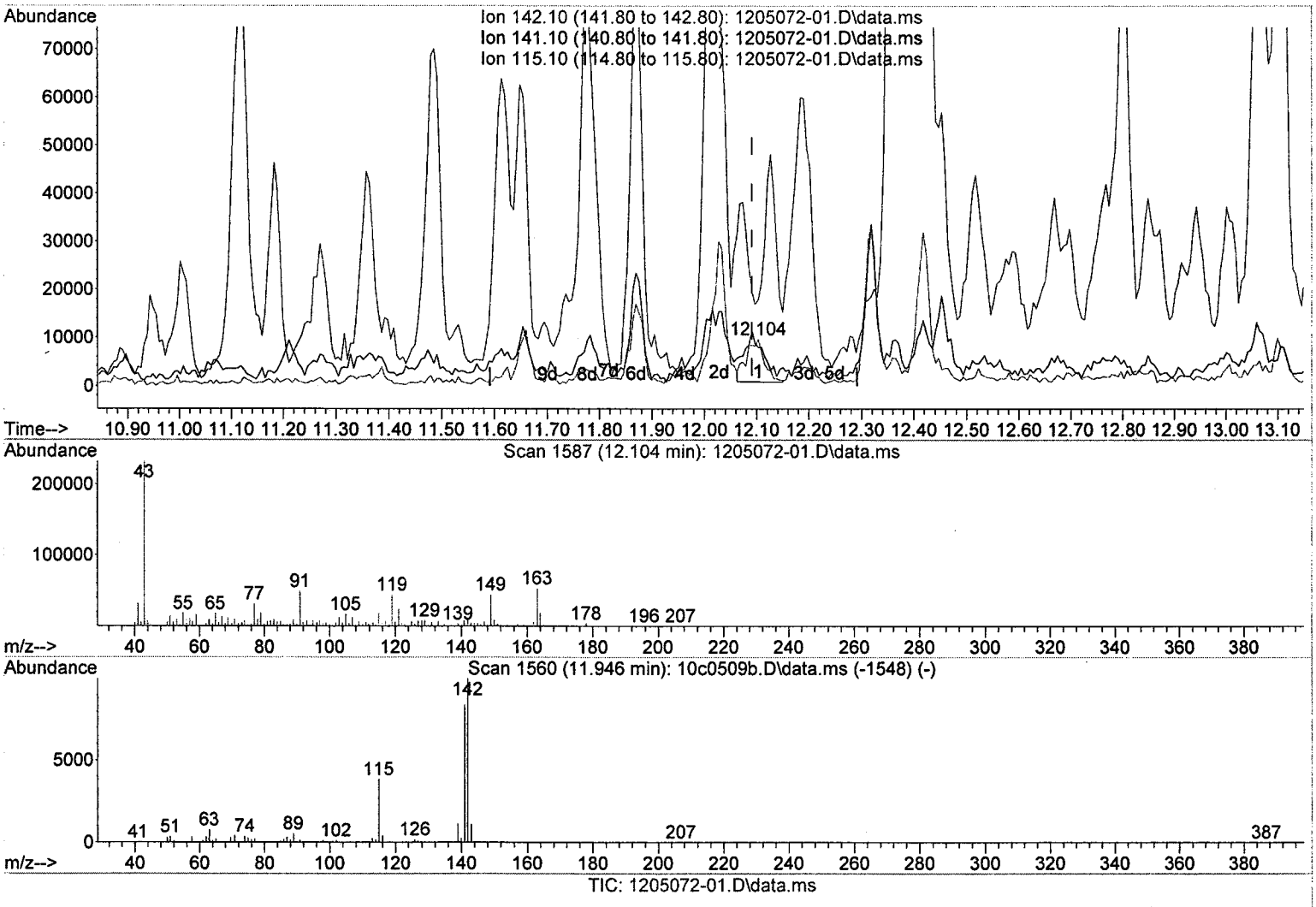
Ion	Exp%	Act%
128.10	100	100
102.10	9.40	9.51
0.00	0.00	0.00
0.00	0.00	0.00

00568

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(40) 2-Methylnaphthalene

12.104min (+0.011) 0.09 ng/uL

response 20734

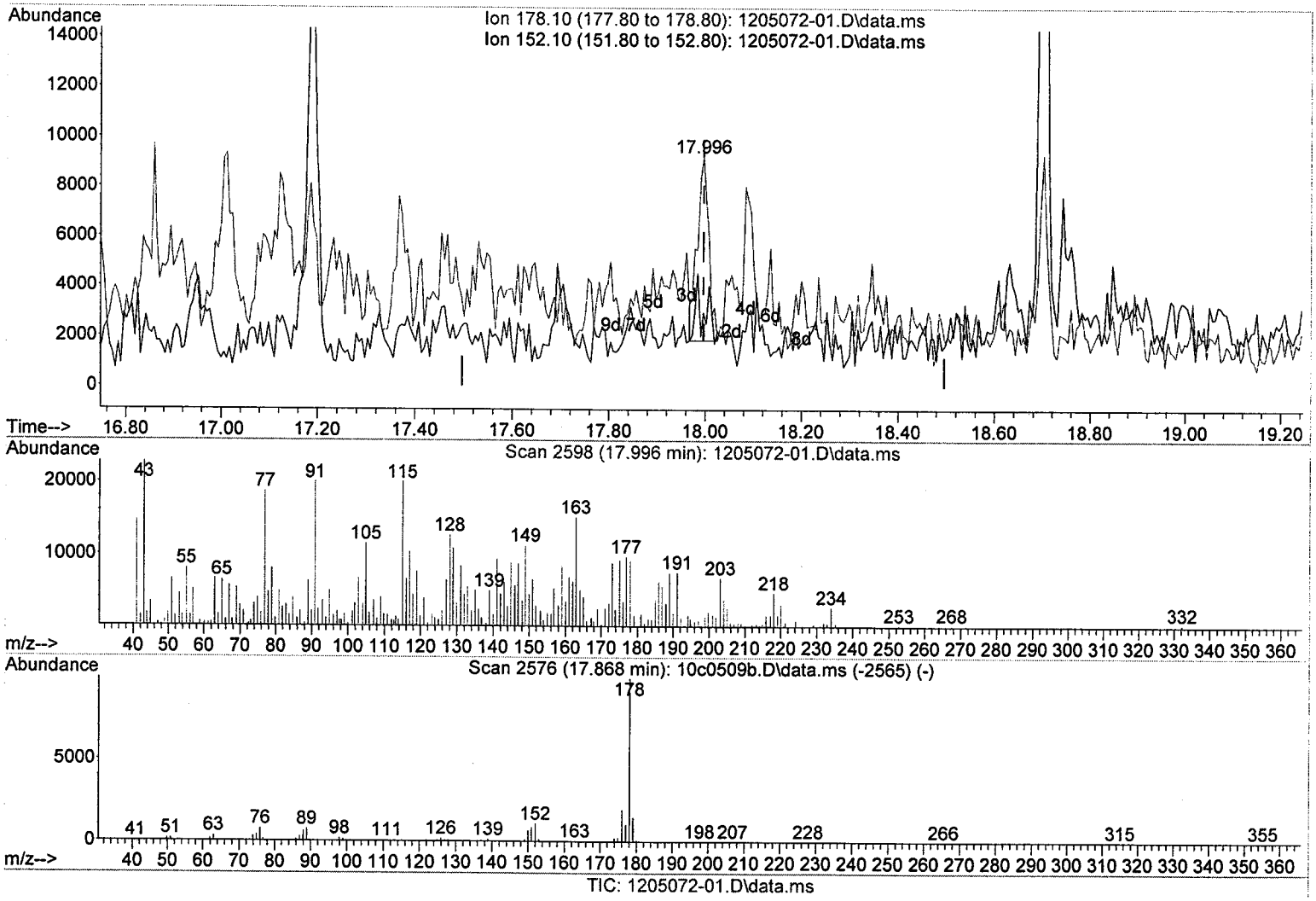
Ion	Exp%	Act%
142.10	100	100
141.10	84.70	100.65
115.10	33.50	215.80#
0.00	0.00	0.00

00569

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(76) Phenanthrene

17.996min (-0.000) 0.06 ng/uL

response 12223

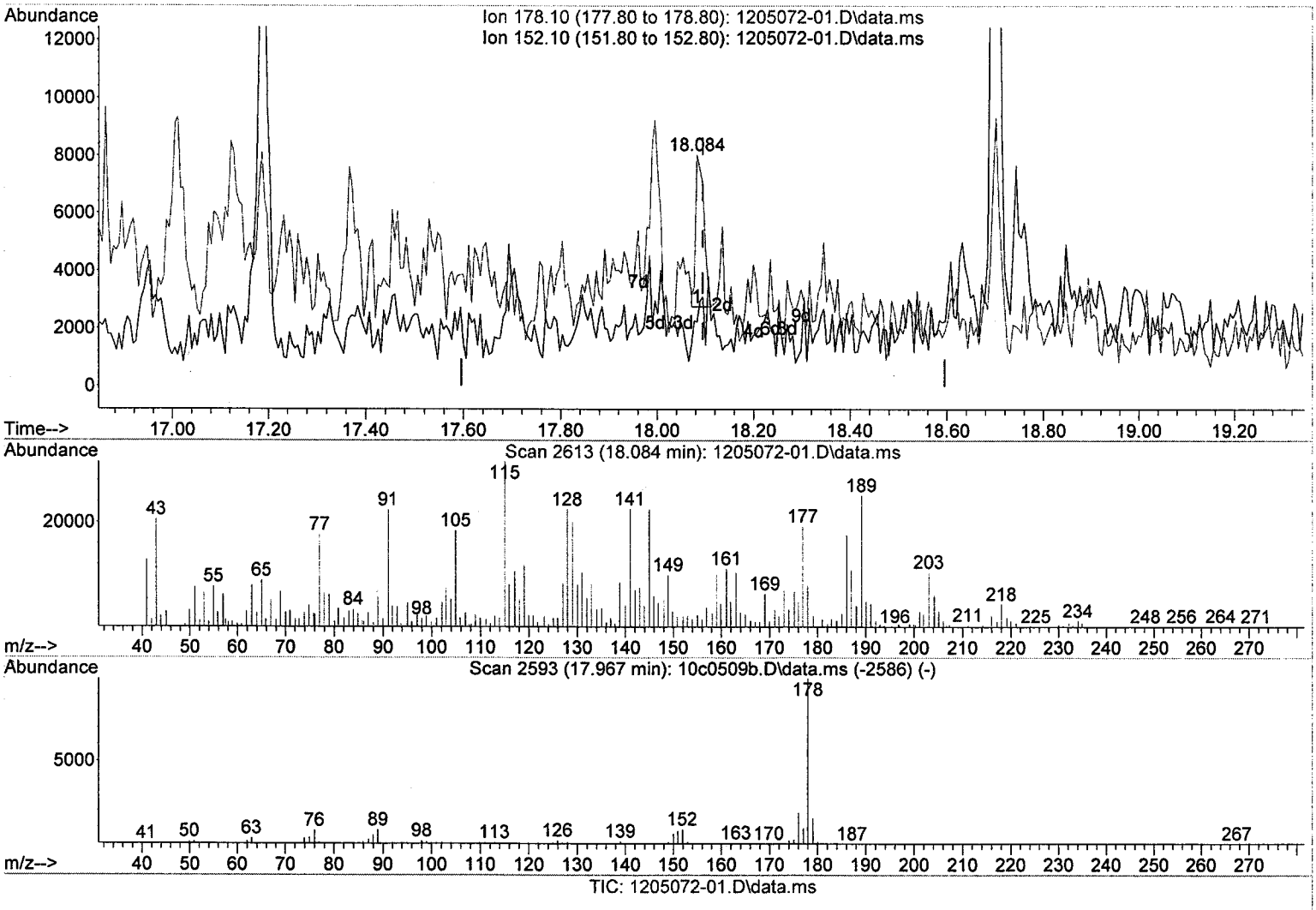
Ion	Exp%	Act%
178.10	100	100
152.10	10.10	16.89#
0.00	0.00	0.00
0.00	0.00	0.00

00570

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(77) Anthracene

18.084min (-0.012) 0.03 ng/uL

response 6188

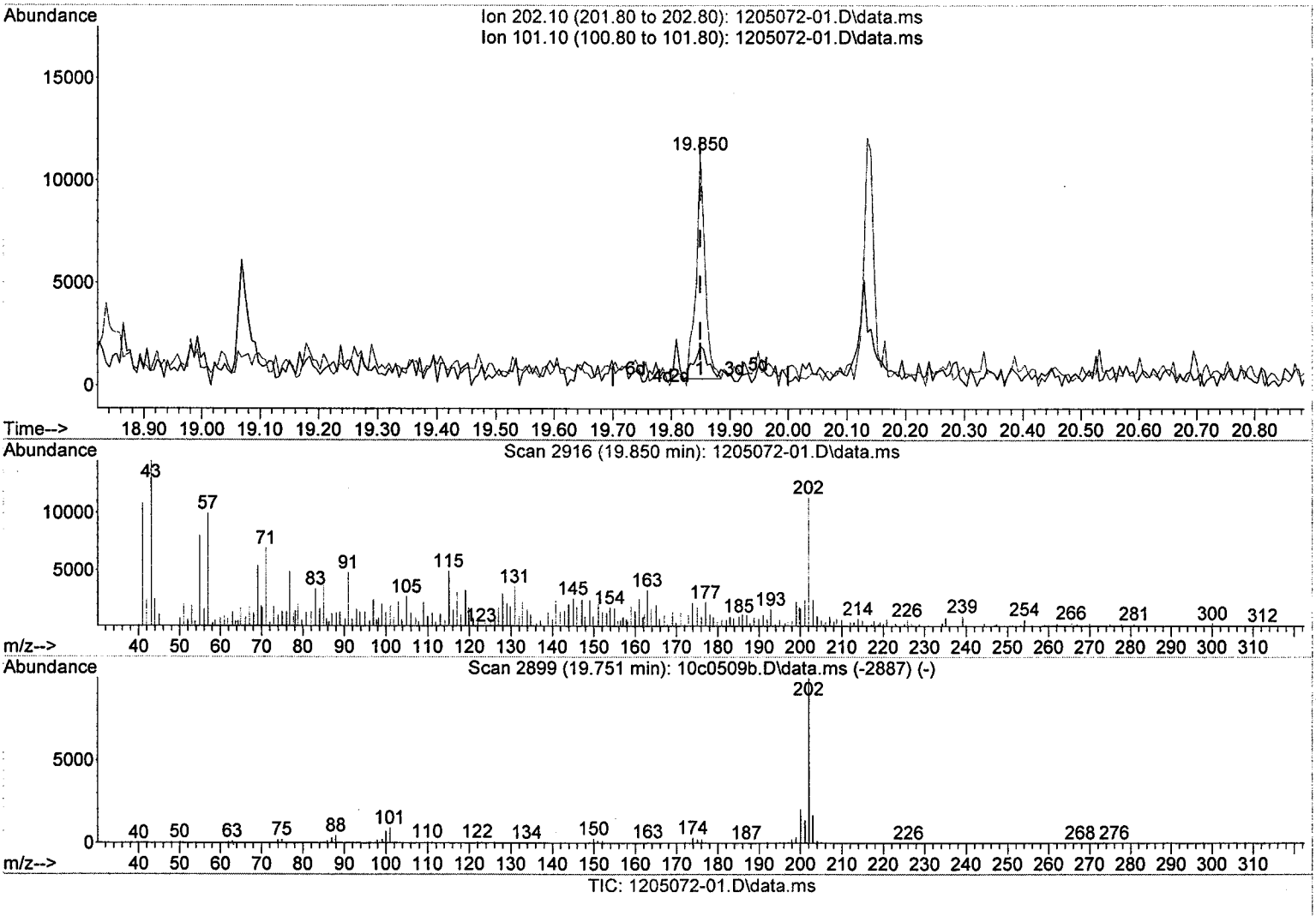
Ion	Exp%	Act%
178.10	100	100
152.10	7.90	46.91#
0.00	0.00	0.00
0.00	0.00	0.00

00571

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(81) Fluoroanthene (C)

19.850min (-0.000) 0.06 ng/uL

response 11379

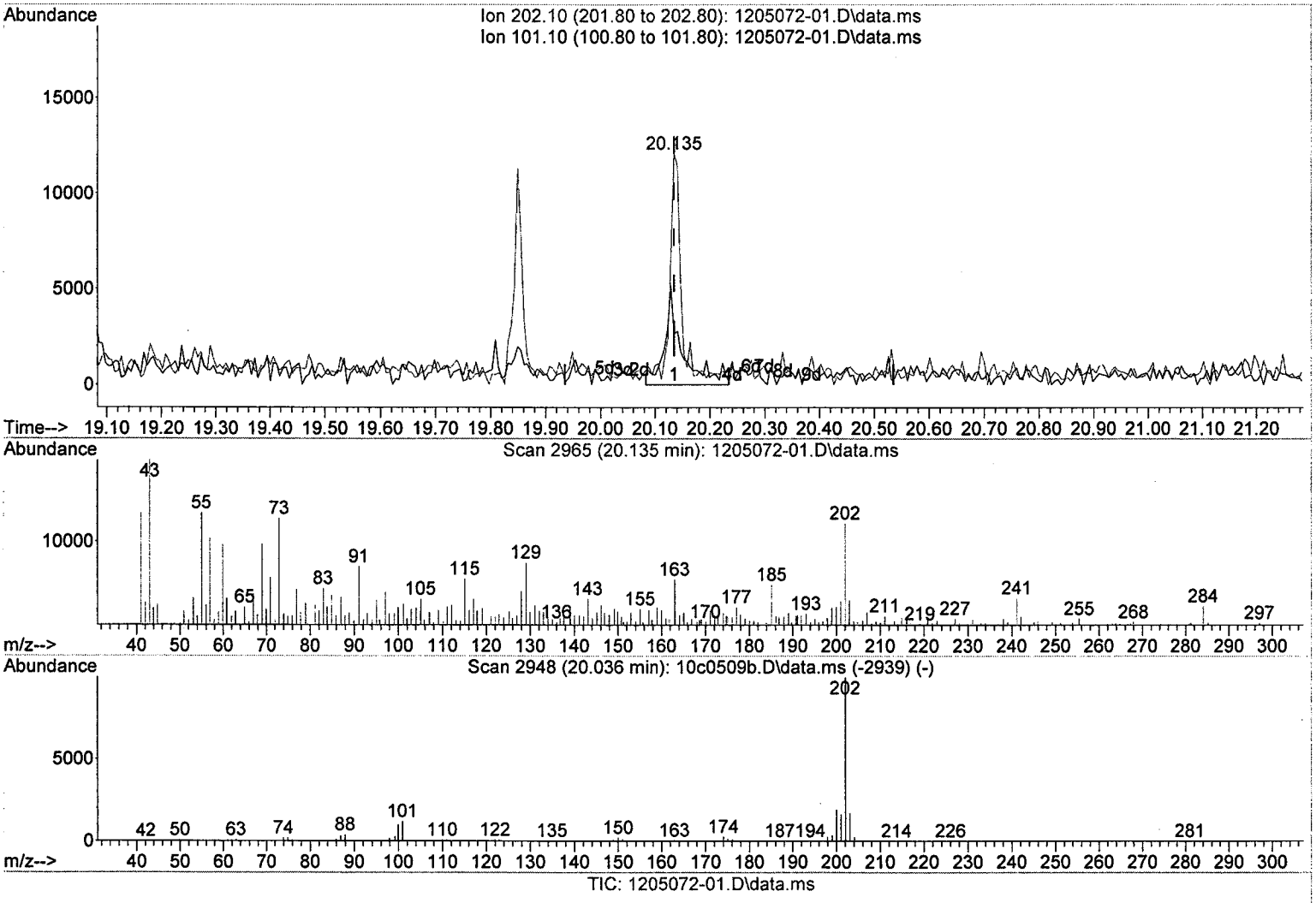
Ion	Exp%	Act%
202.10	100	100
101.10	16.20	23.43#
0.00	0.00	0.00
0.00	0.00	0.00

00572

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



(84) Pyrene

20.135min (-0.000) 0.10 ng/uL

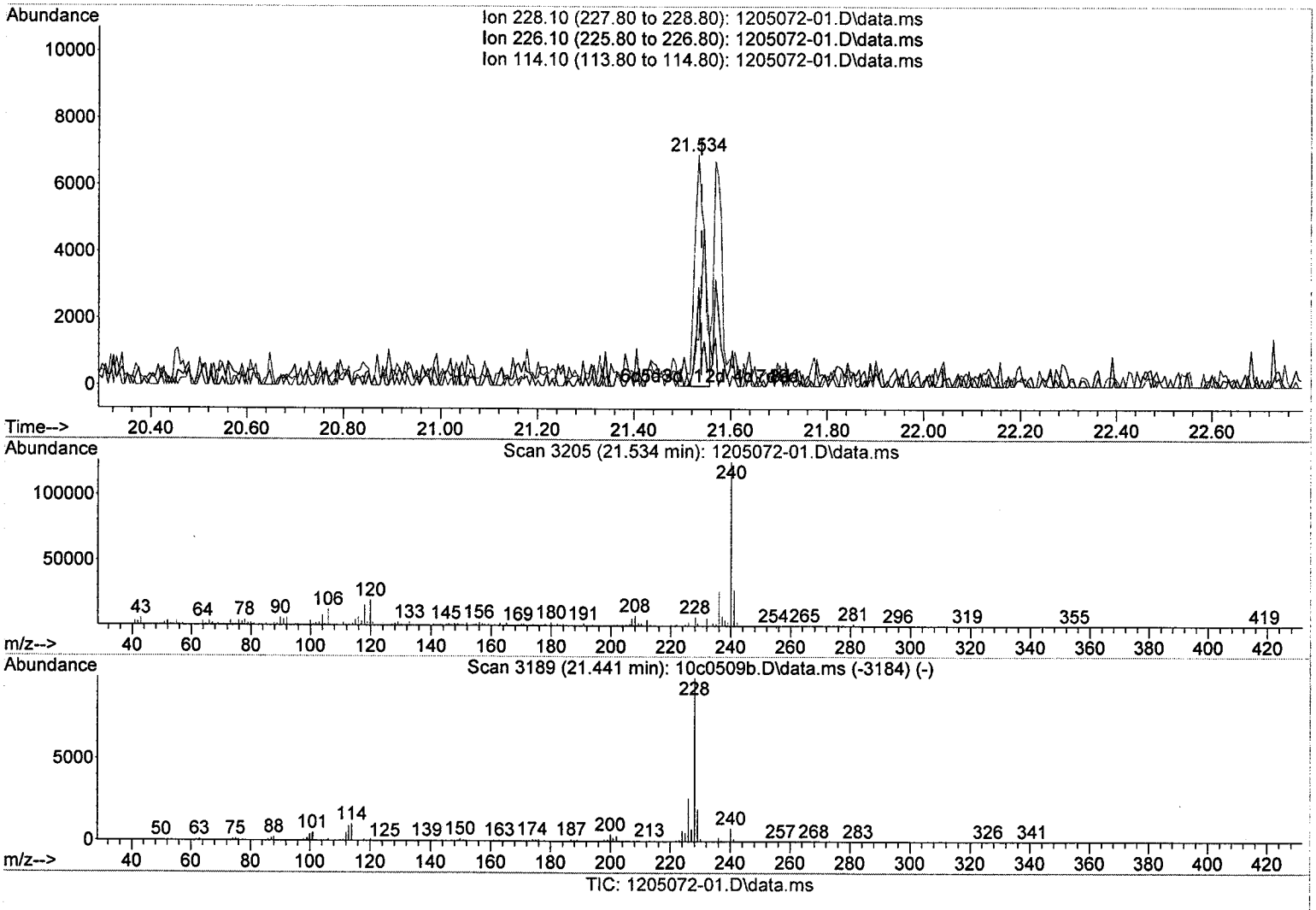
response 18848

Ion	Exp%	Act%
202.10	100	100
101.10	16.00	45.35#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(87) Benzo(a)anthracene

21.534min (-0.006) 0.07 ng/uL

response 9834

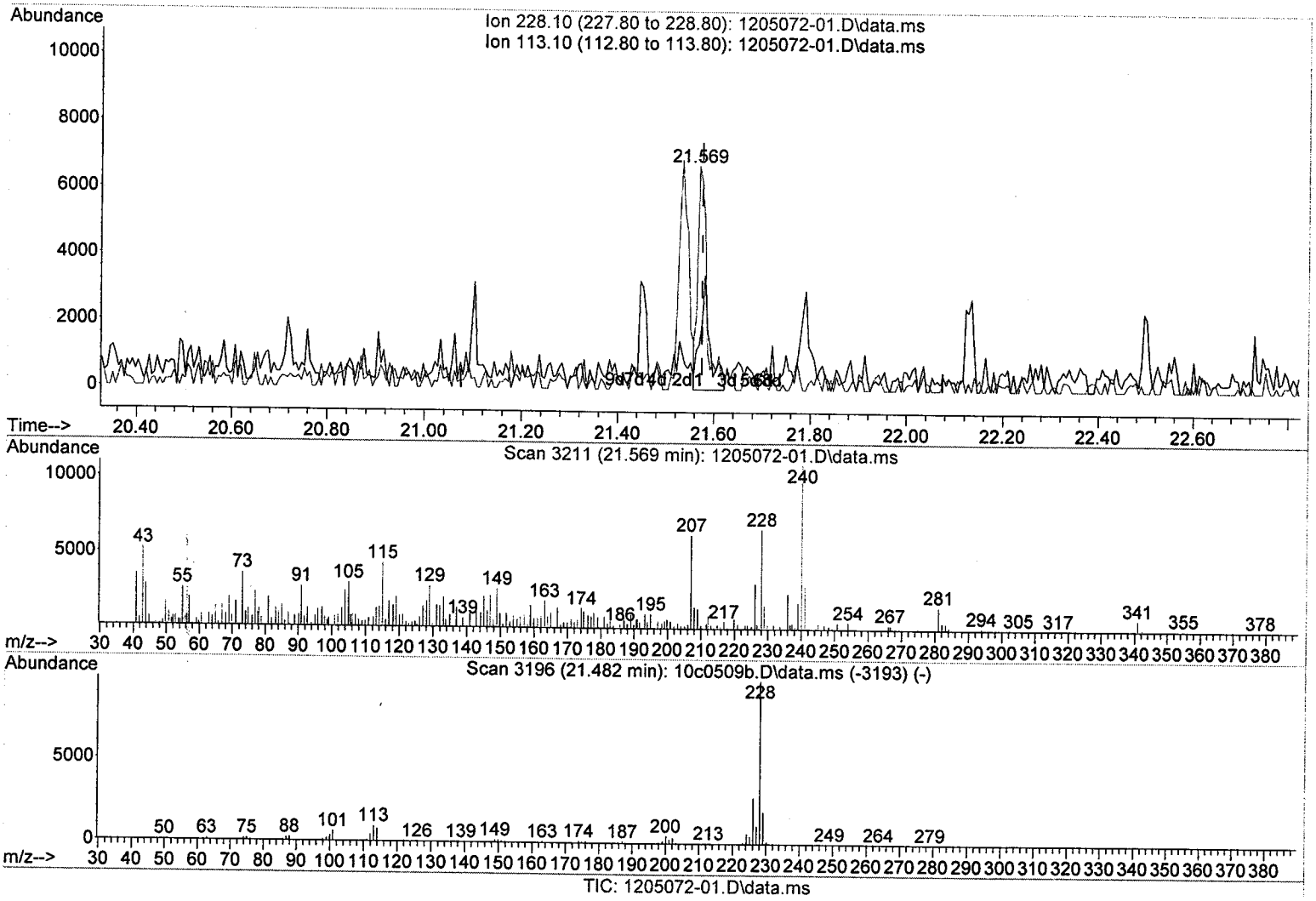
Ion	Exp%	Act%
228.10	100	100
226.10	25.90	27.23
114.10	13.30	61.45#
0.00	0.00	0.00

00574

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(89) Chrysene

21.569min (-0.006) 0.06 ng/uL

response 8642

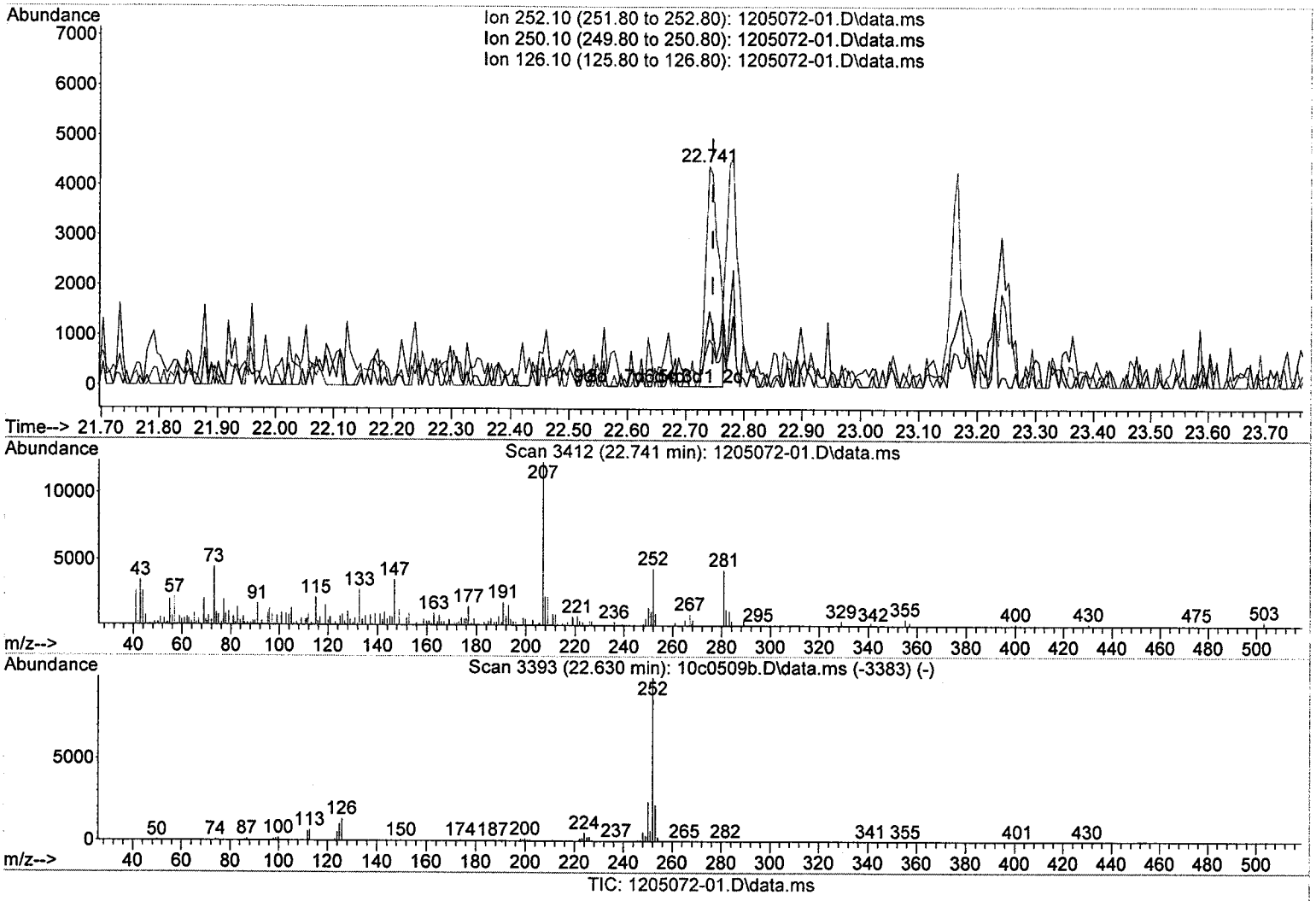
Ion	Exp%	Act%
228.10	100	100
113.10	16.00	36.02#
0.00	0.00	0.00
0.00	0.00	0.00

00575

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(94) Benzo(b)fluoroanthene

22.741min (-0.006) 0.05 ng/uL

response 6816

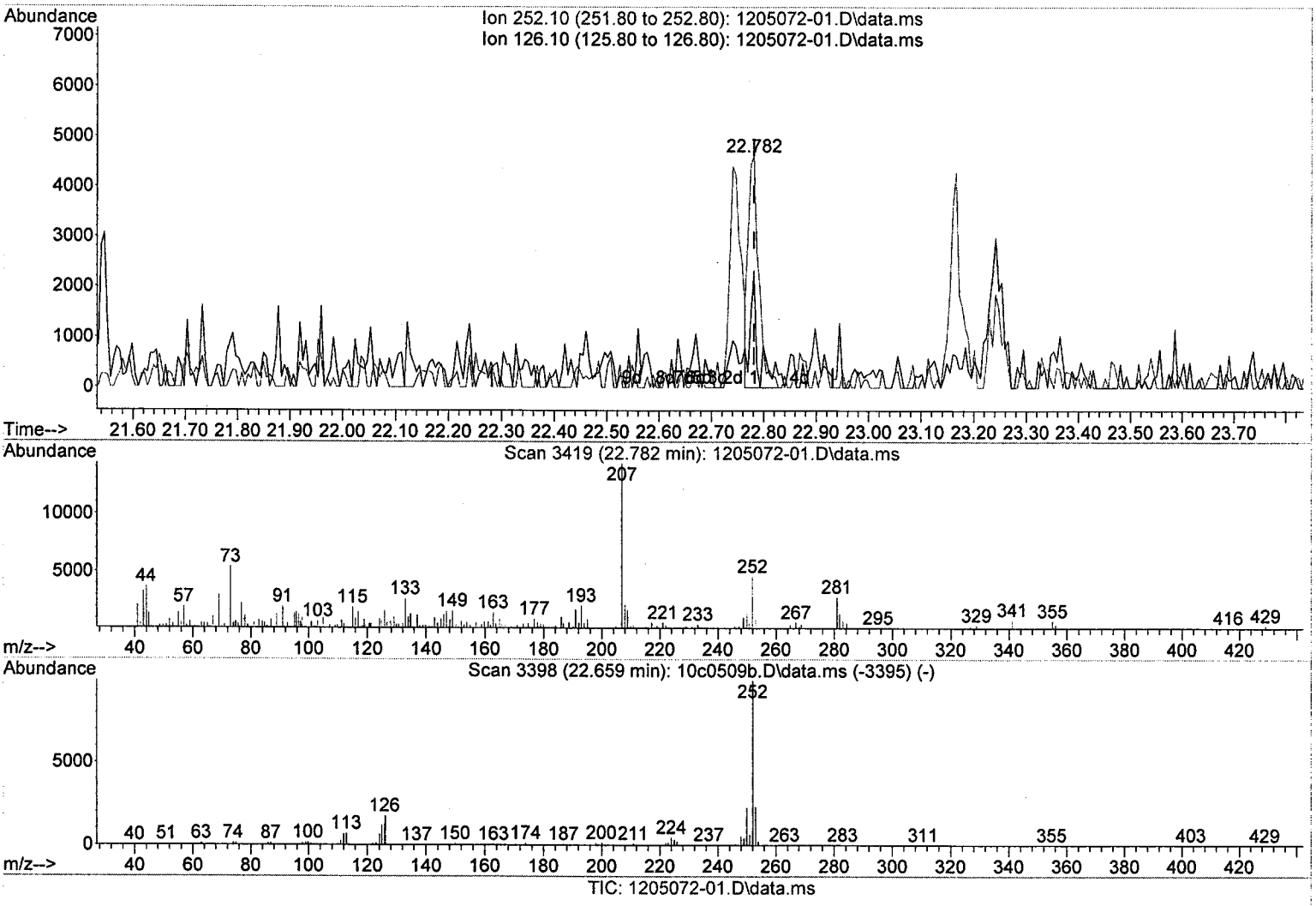
Ion	Exp%	Act%
252.10	100	100
250.10	22.50	22.59
126.10	17.20	19.41
0.00	0.00	0.00

00575

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(95) Benzo(k)fluoranthene

22.782min (-0.000) 0.05 ng/uL

response 6447

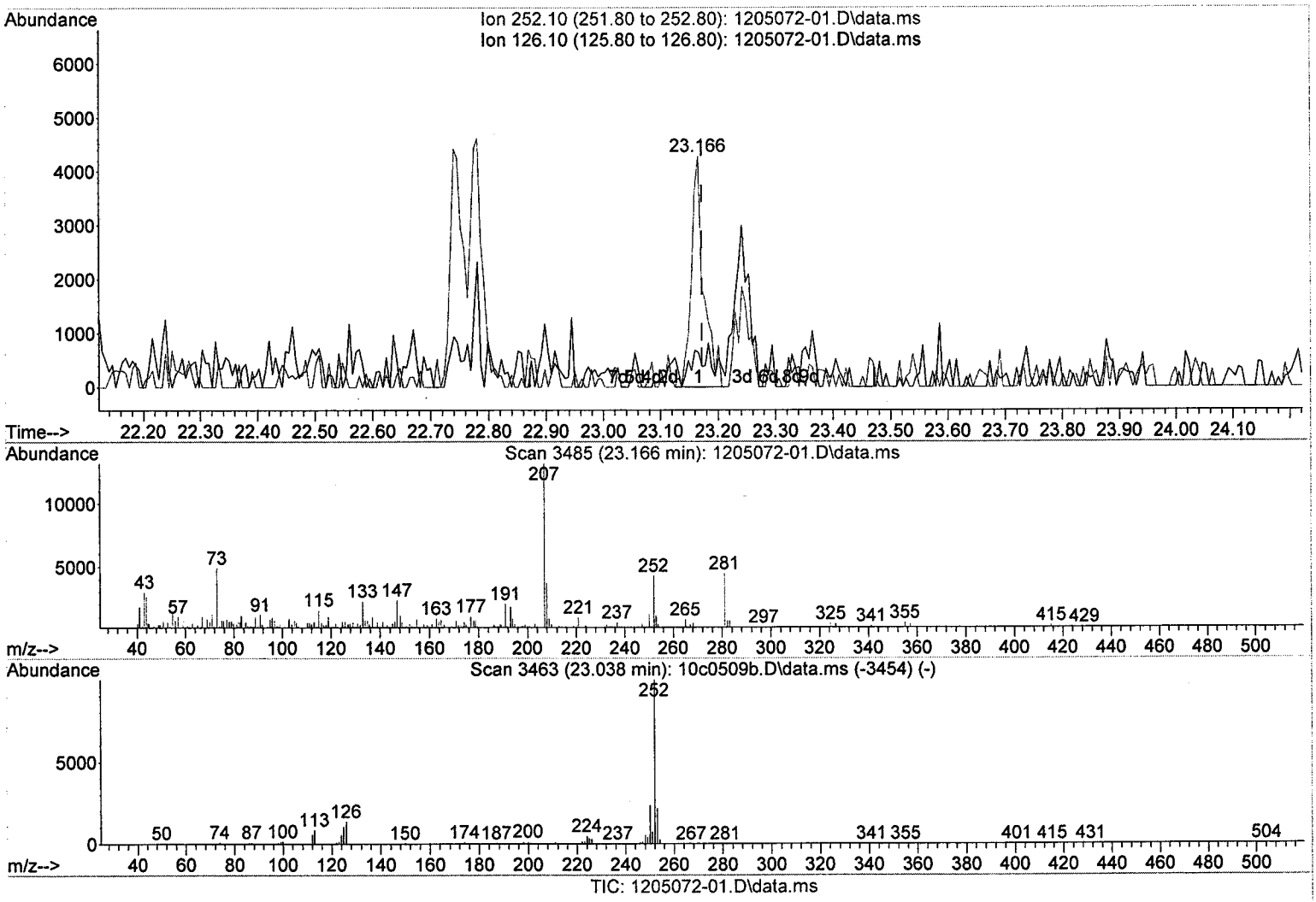
Ion	Exp%	Act%
252.10	100	100
126.10	18.90	28.60#
0.00	0.00	0.00
0.00	0.00	0.00

00577

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(96) Benzo(a)pyrene (C)

23.166min (-0.006) 0.06 ng/uL

response 6328

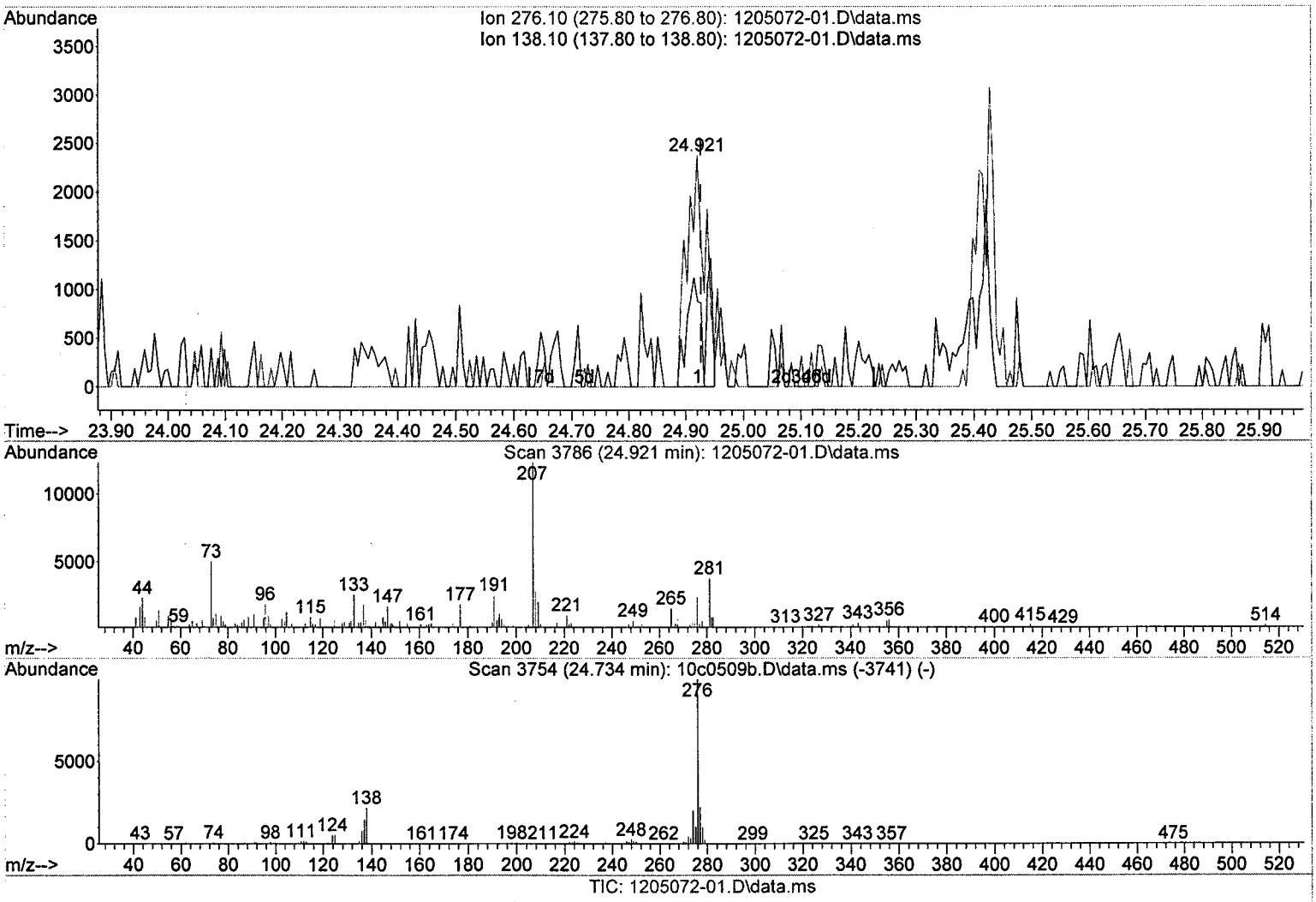
Ion	Exp%	Act%
252.10	100	100
126.10	19.40	14.84#
0.00	0.00	0.00
0.00	0.00	0.00

00578

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(97) Indeno(1,2,3-cd)pyrene

24.921min (-0.006) 0.05 ng/uL

response 5198

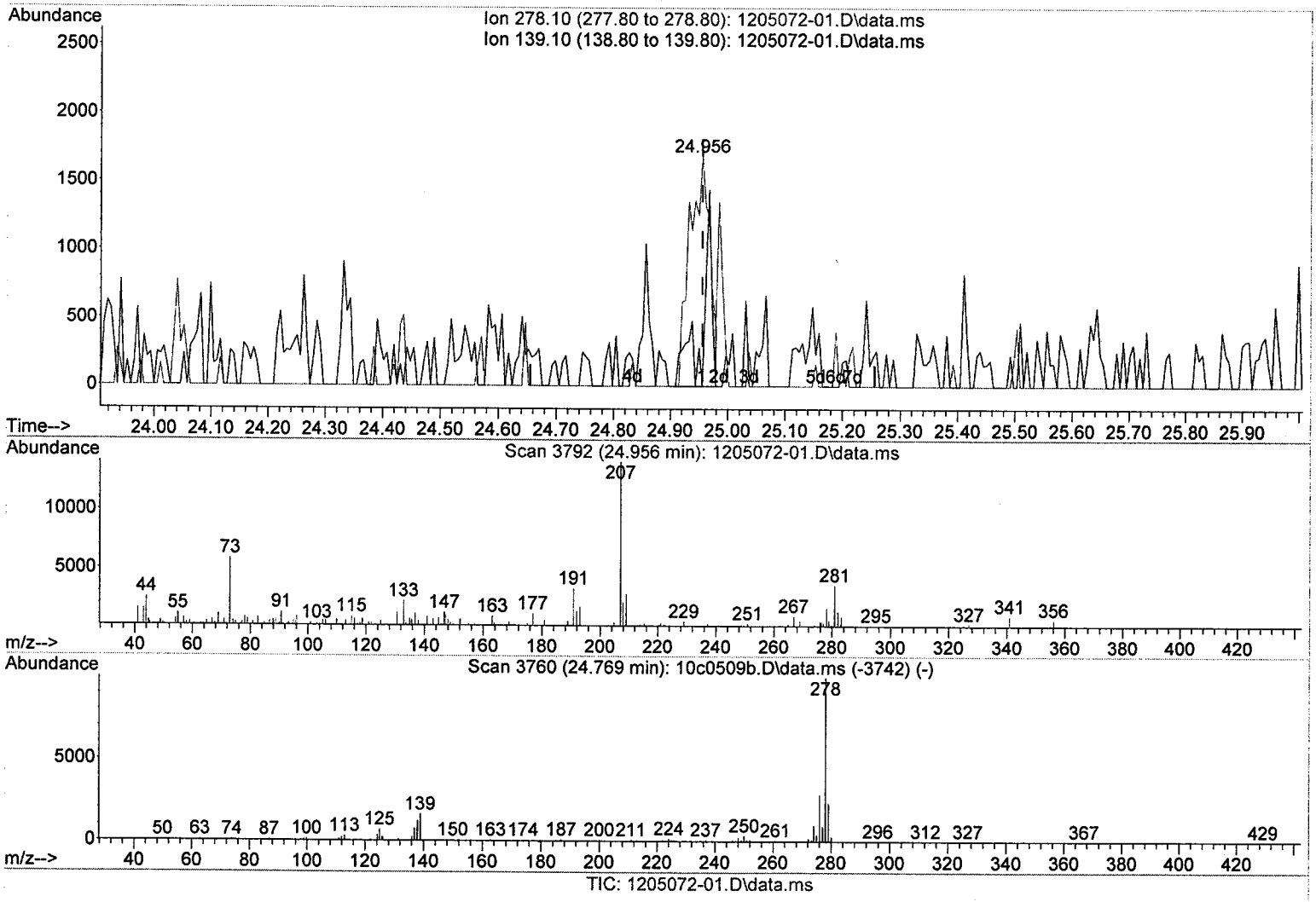
Ion	Exp%	Act%
276.10	100	100
138.10	28.90	34.82#
0.00	0.00	0.00
0.00	0.00	0.00

00579

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205072-01.D\data.ms

(98) Dibenz(a,h)anthracene

24.956min (-0.000) 0.05 ng/uL

response 4114

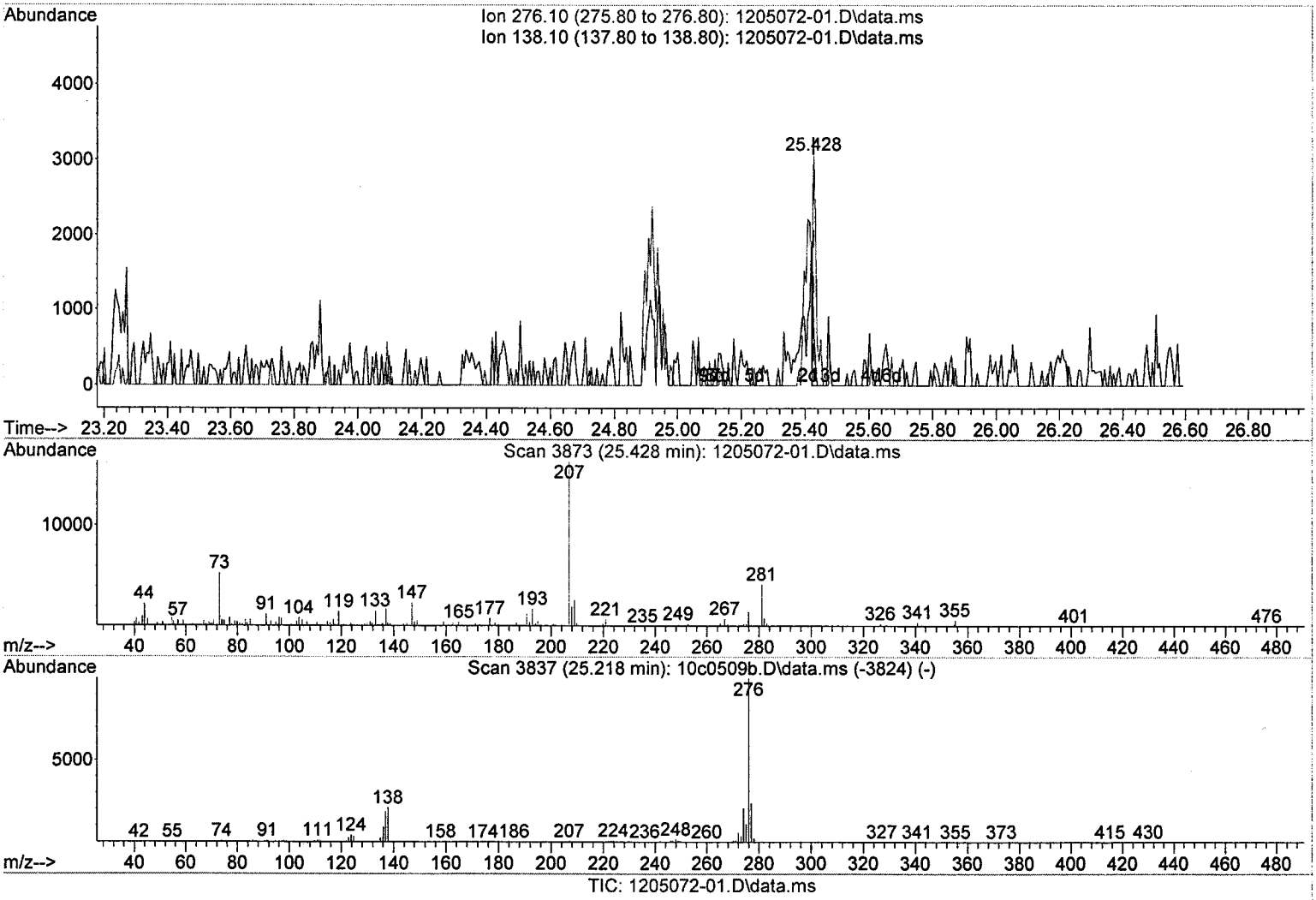
Ion	Exp%	Act%
278.10	100	100
139.10	17.20	25.40#
0.00	0.00	0.00
0.00	0.00	0.00

00580

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205072-01.D
Acq On : 9 May 2012 14:38
Operator : JLB
Sample : 1205072-01 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 10 11:05:20 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



(99) Benzo(g,h,i)Perylene

25.428min (-0.000) 0.03 ng/uL

response 2443

Ion	Exp%	Act%
276.10	100	100
138.10	26.90	71.26#
0.00	0.00	0.00
0.00	0.00	0.00

00581

ORGANIC ANALYSIS DATA SHEET
USEPA-8270C

106093

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205073-01 File ID: 1205073-01.D

Sampled: 05/01/12 11:16 Prepared: 05/04/12 12:38 Analyzed: 05/09/12 15:13

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1205517 Sequence: 2E11033 Calibration: 2E11005 Instrument: 308

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
83-32-9	Acenaphthene	1	5.0	0.050	5.0	U
208-96-8	Acenaphthylene	1	5.0	0.050	5.0	U
120-12-7	Anthracene	1	0.020	0.018	5.0	J
56-55-3	Benzo(a)anthracene	1	1.0	0.026	1.0	U
50-32-8	Benzo(a)pyrene	1	1.0	0.040	1.0	U
205-99-2	Benzo(b)fluoranthene	1	1.0	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1	1.0	0.026	1.0	U
207-08-9	Benzo(k)fluoranthene	1	1.0	0.031	1.0	U
218-01-9	Chrysene	1	1.0	0.031	1.0	U
53-70-3	Dibenz(a,h)anthracene	1	2.0	0.034	2.0	U
206-44-0	Fluoranthene	1	0.020	0.017	1.0	J
86-73-7	Fluorene	1	5.0	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	2.0	0.024	2.0	U
91-57-6	2-Methylnaphthalene	1	5.0	0.024	5.0	U
91-20-3	Naphthalene	1	5.0	0.050	5.0	U
85-01-8	Phenanthrene	1	2.0	0.024	2.0	U
129-00-0	Pyrene	1	5.0	0.025	5.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Nitrobenzene-d5	10.2	6.15	60	31 - 123	
2-Fluorobiphenyl	10.2	5.98	59	25 - 113	
o-Terphenyl	10.3	7.43	72	42 - 125	

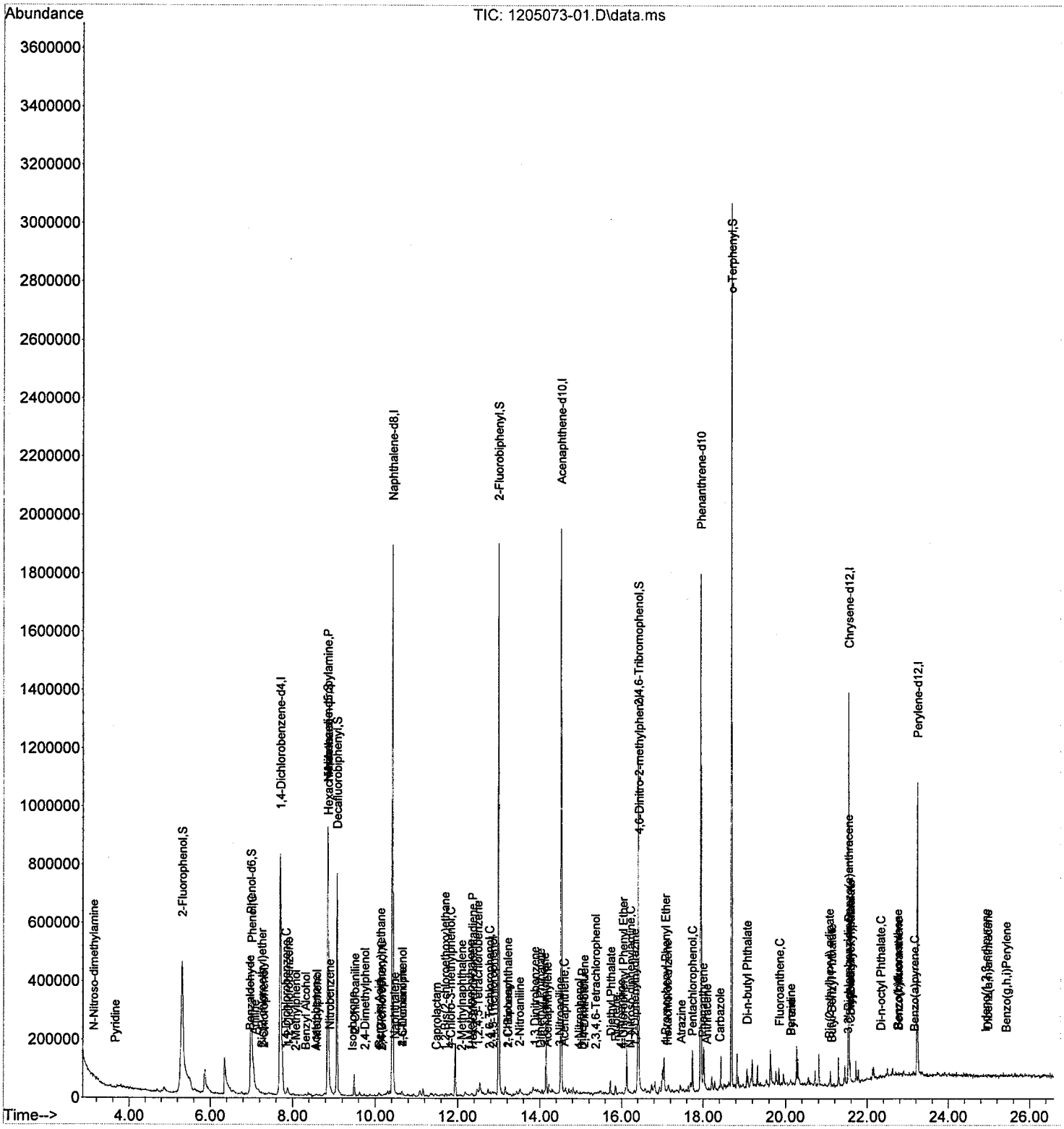
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Naphthalene-d8	1524964	10.431	100	10.541	
Acenaphthene-d10	737216	14.534	83	14.651	
Phenanthrene-d10	948458	17.95	68	18.043	
Chrysene-d12	523191	21.546	82	21.616	
Perylene-d12	539470	23.242	96	23.341	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205073-01.D
Acq On : 9 May 2012 15:13
Operator : JLB
Sample : 1205073-01 Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 11:07:06 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



00583

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205073-01.D
Acq On : 9 May 2012 15:13
Operator : JLB
Sample : 1205073-01 Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 11:07:06 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.709	152	374866	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.431	136	1524964	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.534	164	737216	5.00	ng/uL	0.00
67) Phenanthrene-d10	17.950	188	948458	5.00	ng/uL	0.00
82) Chrysene-d12	21.546	240	523191	5.00	ng/uL	# 0.00
93) Perylene-d12	23.242	264	539470	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.313	112	702967	6.92	ng/uL	-0.02
7) Phenol-d6	6.998	99	538093	4.66	ng/uL	-0.01
22) Nitrobenzene-d5	8.857	82	651461	6.03	ng/uL	0.00
24) Decafluorobiphenyl	9.079	334	275266	3.40	ng/uL	0.00
48) 2-Fluorobiphenyl	13.001	172	1041839	5.86	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.417	330	194422	15.76	ng/uL	-0.01
79) o-Terphenyl	18.696	230	714245	7.28	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.127	74	3326	0.02	ng/uL#	53
3) Pyridine	3.652	79	1093	0.01	ng/uL#	57
5) Aniline	7.085	93	1951	0.21	ng/uL#	33
6) Benzaldehyde	6.969	105	681	1.21	ng/uL#	10
8) Phenol	7.009	94	1090	0.01	ng/uL#	1
9) Bis(2-chloroethyl)ether	7.254	93	106	0.00	ng/uL	100
10) 2-Chlorophenol	7.295	128	150	0.00	ng/uL#	19
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	7.837	146	170	0.00	ng/uL#	1
13) 1,2-Dichlorobenzene	7.901	146	74	0.00	ng/uL#	34
14) Bis(2-chloroisipropyl)...	8.332	45	68	Below Cal	#	51
15) Benzyl Alcohol	8.315	108	101	0.00	ng/uL	83
16) 2-Methylphenol	8.070	108	1008	0.01	ng/uL#	34
17) Acetophenone	8.560	105	711	0.00	ng/uL#	1
18) Hexachloroethane	8.863	119	246	0.01	ng/uL#	30
19) 4-Methylphenol	8.589	107	593	0.01	ng/uL#	1
20) N-Nitroso-di-n-propyla...	8.857	70	96374	1.26	ng/uL#	18
23) Nitrobenzene	8.898	77	1158	0.01	ng/uL#	39
25) Isophorone	9.440	82	1410	0.01	ng/uL#	58
26) 2-Chloroaniline	9.504	127	172	0.00	ng/uL#	1
27) 2-Nitrophenol	0.000		0	N.D.		
28) 2,4-Dimethylphenol	9.749	107	200	0.00	ng/uL#	5
29) Bis(2-chlorethoxy)methane	10.139	93	81	0.00	ng/uL	98
30) 2,4-Dichlorophenol	10.157	162	112	0.00	ng/uL#	1
31) Benzoic Acid	10.099	105	7501	2.17	ng/uL#	48
32) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) Naphthalene	10.472	128	1622	0.01	ng/uL#	74
34) 4-Chloroaniline	10.652	127	2271	0.42	ng/uL#	40
35) 2,6-Dichlorophenol	10.652	162	143	0.00	ng/uL#	28
36) Hexachlorobutadiene	0.000		0	N.D.		
37) Caprolactam	11.480	55	2492	0.93	ng/uL#	27
38) 1,2-Bis(2-chloroethoxy...	11.696	63	322	0.00	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.830	107	335	0.00	ng/uL#	1
40) 2-Methylnaphthalene	12.092	142	1091	0.01	ng/uL#	60
41) 1-Methylnaphthalene	12.302	142	333	0.00	ng/uL#	48

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205073-01.D
Acq On : 9 May 2012 15:13
Operator : JLB
Sample : 1205073-01 Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 11:07:06 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42)	1,3 Dinitrobenzene	13.876	168	93	0.53 ng/uL	100
44)	1,2,4,5-Tetrachloroben...	12.494	216	54	0.00 ng/uL#	68
45)	Hexachlorocyclopentadiene	12.360	237	228	0.17 ng/uL#	20
46)	2,4,6-Trichlorophenol	12.774	196	283	0.01 ng/uL#	1
47)	2,4,5-Trichlorophenol	12.850	196	650	0.02 ng/uL#	66
49)	2-Chloronaphthalene	13.217	162	580	0.00 ng/uL#	26
50)	1,1'-Biphenyl	13.217	154	2474	0.01 ng/uL#	78
51)	2-Nitroaniline	13.502	138	523	0.20 ng/uL#	1
52)	Acenaphthylene	14.184	152	1716	0.01 ng/uL#	55
53)	2,6-Dinitrotoluene	14.114	165	532	0.02 ng/uL#	86
54)	Dimethyl Phthalate	14.015	163	5595	0.04 ng/uL#	79
55)	3-Nitroaniline	14.488	138	309	0.08 ng/uL#	1
56)	Acenaphthene	14.598	153	501	0.00 ng/uL#	47
57)	2,4-Dinitrophenol	0.000		0	N.D.	
58)	Dibenzofuran	15.030	168	925	0.00 ng/uL#	51
59)	4-Nitrophenol	14.960	65	430	1.20 ng/uL#	6
60)	2,4-Dinitrotoluene	15.076	165	789	0.10 ng/uL#	44
61)	2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62)	2,3,4,6-Tetrachlorophenol	15.362	232	566	0.15 ng/uL#	75
63)	Fluorene	15.851	166	676	0.00 ng/uL#	1
64)	Diethyl Phthalate	15.735	149	16144	0.11 ng/uL	91
65)	4-Chlorophenyl Phenyl ...	16.038	204	141	0.00 ng/uL#	1
66)	4-Nitroaniline	15.980	138	272	0.12 ng/uL#	1
68)	4,6-Dinitro-2-methylph...	16.428	198	987	0.83 ng/uL#	1
69)	N-Nitroso-diphenylamine	16.213	169	1326	0.01 ng/uL#	47
70)	1,2-Diphenylhydrazine	16.324	182	3550	0.10 ng/uL#	57
72)	4-Bromophenyl Phenyl E...	17.081	248	68	0.00 ng/uL#	2
73)	Hexachlorobenzene	17.128	284	292	0.01 ng/uL#	65
74)	Atrazine	17.460	200	74	0.11 ng/uL#	25
75)	Pentachlorophenol	17.734	266	515	0.39 ng/uL#	39
76)	Phenanthrene	17.996	178	4401	0.02 ng/uL	96
77)	Anthracene	18.090	178	2840	0.02 ng/uL#	25
78)	Carbazole	18.404	167	3897	0.03 ng/uL#	80
80)	Di-n-butyl Phthalate	19.075	149	29791	0.27 ng/uL#	93
81)	Fluoroanthene	19.850	202	3344	0.02 ng/uL#	77
83)	Benzidine	20.124	184	247	0.02 ng/uL#	1
84)	Pyrene	20.135	202	4058	0.02 ng/uL#	85
85)	Butyl Benzyl Phthalate	21.121	149	1045	0.06 ng/uL	84
86)	Bis(2-ethylhexyl) adipate	21.062	129	2465	0.11 ng/uL#	100
87)	Benzo(a)anthracene	21.534	228	3159	0.02 ng/uL#	1
88)	3,3'-Dichlorobenzidine	21.523	252	1393	0.05 ng/uL#	78
89)	Chrysene	21.575	228	1799	0.01 ng/uL#	1
90)	Bis(2-ethylhexyl)phtha...	21.581	149	16037	0.29 ng/uL	89
91)	Dicyclohexyl Phthalate	21.581	149	17975	0.18 ng/uL#	100
92)	Di-n-octyl Phthalate	22.327	149	849	0.22 ng/uL	99
94)	Benzo(b)fluoroanthene	22.747	252	1000	0.01 ng/uL#	56
95)	Benzo(k)fluoranthene	22.770	252	1291	0.01 ng/uL#	58
96)	Benzo(a)pyrene	23.166	252	1761	0.02 ng/uL	93
97)	Indeno(1,2,3-cd)pyrene	24.915	276	840	0.01 ng/uL#	78
98)	Dibenz(a,h)anthracene	24.973	278	894	0.01 ng/uL#	48
99)	Benzo(g,h,i)Perylene	25.422	276	1327	0.02 ng/uL#	74

00585

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205073-01.D
Acq On : 9 May 2012 15:13
Operator : JLB
Sample : 1205073-01 Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 11:07:06 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

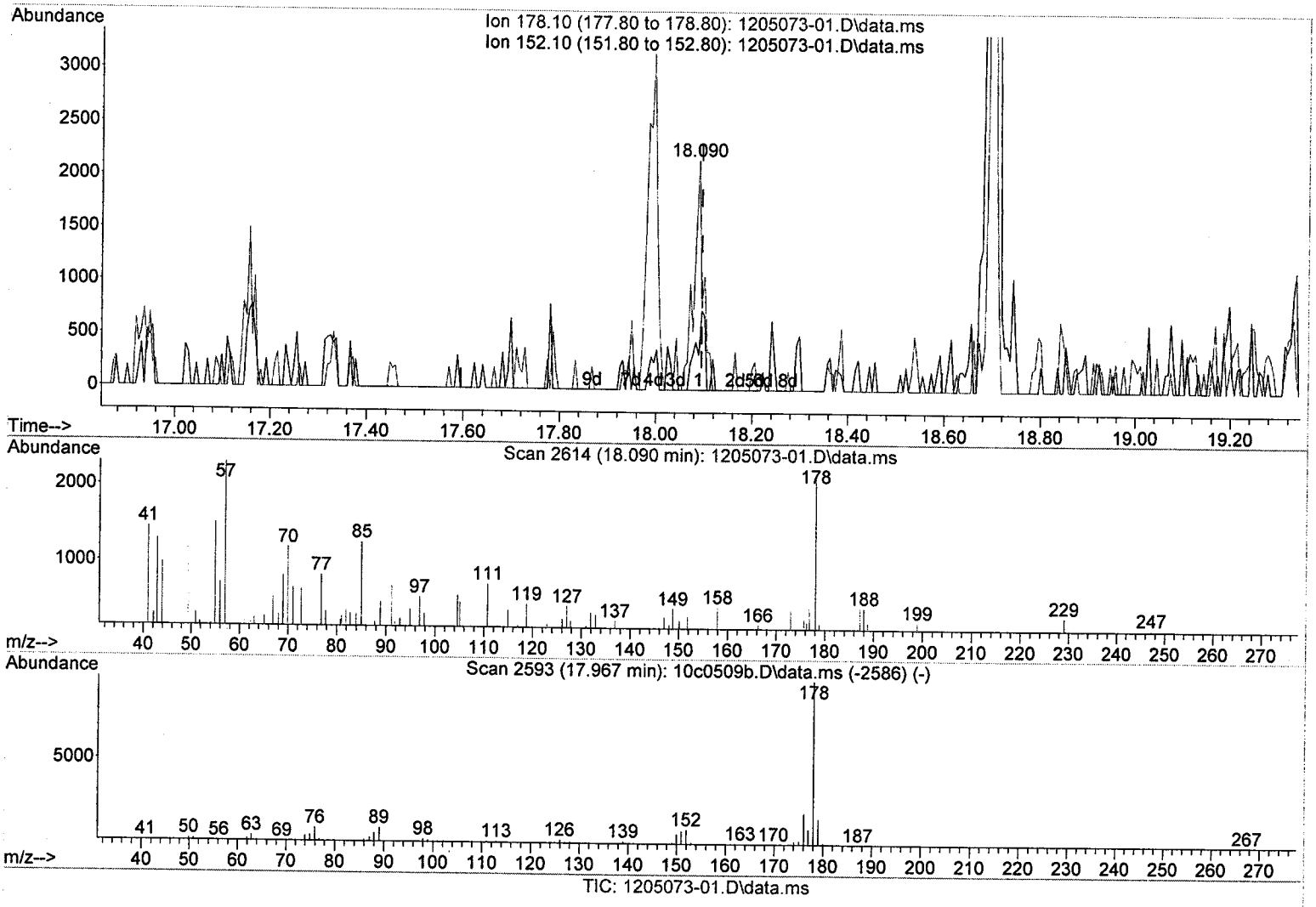
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205073-01.D
Acq On : 9 May 2012 15:13
Operator : JLB
Sample : 1205073-01 Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 11:07:06 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205073-01.D\data.ms

(77) Anthracene

18.090min (-0.006) 0.02 ng/uL

response 2840

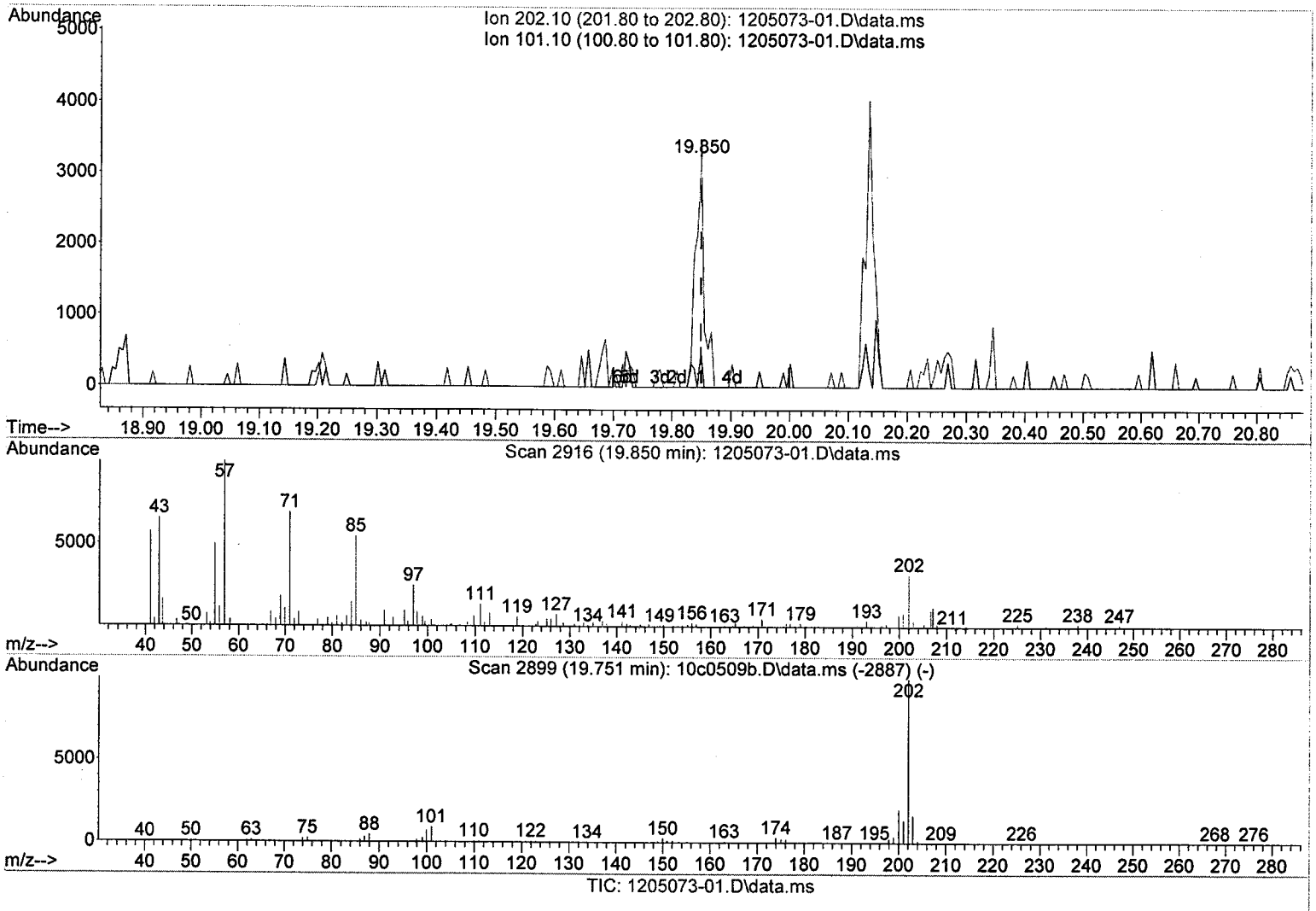
Ion	Exp%	Act%
178.10	100	100
152.10	7.90	34.33#
0.00	0.00	0.00
0.00	0.00	0.00

00587

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205073-01.D
Acq On : 9 May 2012 15:13
Operator : JLB
Sample : 1205073-01 Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 10 11:07:06 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205073-01.D\data.ms

(81) Fluoroanthene (C)

19.850min (-0.000) 0.02 ng/uL

response 3344

Ion	Exp%	Act%
202.10	100	100
101.10	16.20	6.19#
0.00	0.00	0.00
0.00	0.00	0.00

00588

ORGANIC ANALYSIS DATA SHEET
USEPA-8270C

106036

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205085-01 File ID: 1205085-01.D

Sampled: 05/02/12 13:18 Prepared: 05/09/12 08:36 Analyzed: 05/22/12 08:43

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 950 mL / 1 mL

QC Batch: 1205838 Sequence: 2E22051 Calibration: 2E22022 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
83-32-9	Acenaphthene	1	5.0	0.050	5.0	U
208-96-8	Acenaphthylene	1	5.0	0.050	5.0	U
120-12-7	Anthracene	1	5.0	0.018	5.0	U
56-55-3	Benzo(a)anthracene	1	1.0	0.026	1.0	U
50-32-8	Benzo(a)pyrene	1	1.0	0.040	1.0	U
205-99-2	Benzo(b)fluoranthene	1	1.0	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1	1.0	0.026	1.0	U
207-08-9	Benzo(k)fluoranthene	1	1.0	0.031	1.0	U
218-01-9	Chrysene	1	1.0	0.031	1.0	U
53-70-3	Dibenz(a,h)anthracene	1	2.0	0.034	2.0	U
206-44-0	Fluoranthene	1	1.0	0.017	1.0	U
86-73-7	Fluorene	1	5.0	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	2.0	0.024	2.0	U
91-57-6	2-Methylnaphthalene	1	5.0	0.024	5.0	U
91-20-3	Naphthalene	1	5.0	0.050	5.0	U
85-01-8	Phenanthrene	1	2.0	0.024	2.0	U
129-00-0	Pyrene	1	5.0	0.025	5.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Nitrobenzene-d5	10.5	8.09	77	31 - 123	
2-Fluorobiphenyl	10.5	8.87	84	25 - 113	
o-Terphenyl	10.6	9.74	92	42 - 125	

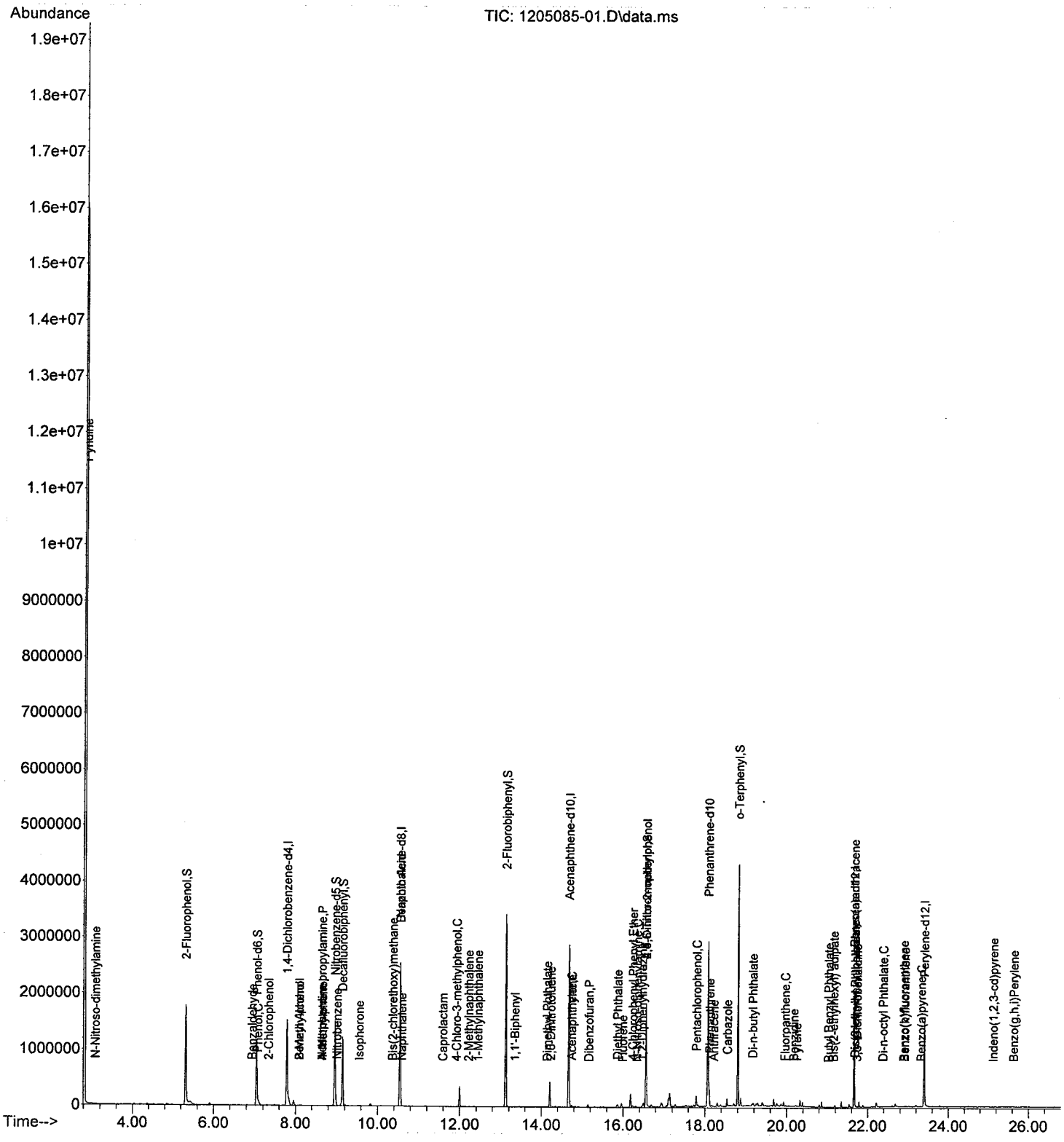
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Naphthalene-d8	2272283	10.539	96	10.551	
Acenaphthene-d10	1216464	14.666	91	14.677	
Phenanthrene-d10	1610089	18.07	83	18.075	
Chrysene-d12	764395	21.654	82	21.66	
Perylene-d12	755448	23.397	81	23.397	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-01.D
Acq On : 22 May 2012 8:43
Operator : JLB
Sample : 1205085-01 Inst : 339
ALS Vial : 29 Sample Multiplier: 1

Quant Time: May 22 11:21:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration



00590

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-01.D
Acq On : 22 May 2012 8:43
Operator : JLB
Sample : 1205085-01 Inst : 339
ALS Vial : 29 Sample Multiplier: 1

Quant Time: May 22 11:21:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.782	152	513311	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.539	136	2272283	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.666	164	1216464	5.00	ng/uL	-0.01
67) Phenanthrene-d10	18.070	188	1610089	5.00	ng/uL	0.00
82) Chrysene-d12	21.654	240	764395	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	755448	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.317	112	1169835	9.05	ng/uL	-0.02
7) Phenol-d6	7.048	99	877931	5.63	ng/uL	-0.02
22) Nitrobenzene-d5	8.960	82	894795	7.69	ng/uL	-0.02
24) Decafluorobiphenyl	9.140	334	615994	7.39	ng/uL	-0.01
48) 2-Fluorobiphenyl	13.121	172	1935580	8.43	ng/uL	-0.01
71) 2,4,6-Tribromophenol	16.560	330	365346	16.29	ng/uL	-0.01
79) o-Terphenyl	18.804	230	1091787	9.25	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.084	74	121	0.00	ng/uL#	1
3) Pyridine	2.834	79	581	0.00	ng/uL#	14
5) Aniline	0.000		0	N.D.		
6) Benzaldehyde	6.937	105	1816	0.56	ng/uL#	1
8) Phenol	7.071	94	1981	0.01	ng/uL#	1
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 2-Chlorophenol	7.339	128	759	0.01	ng/uL#	43
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Bis(2-chloroisipropyl)...	0.000		0	N.D.		
15) Benzyl Alcohol	8.085	108	2066	0.11	ng/uL	85
16) 2-Methylphenol	8.085	108	2066	0.02	ng/uL#	63
17) Acetophenone	8.645	105	2135	0.01	ng/uL#	84
18) Hexachloroethane	0.000		0	N.D.		
19) 4-Methylphenol	8.662	107	114	0.00	ng/uL#	1
20) N-Nitroso-di-n-propyla...	8.645	70	380	0.00	ng/uL#	1
23) Nitrobenzene	9.006	77	119	0.00	ng/uL#	30
25) Isophorone	9.554	82	816	0.00	ng/uL#	58
26) 2-Chloroaniline	0.000		0	N.D.		
27) 2-Nitrophenol	0.000		0	N.D.		
28) 2,4-Dimethylphenol	0.000		0	N.D.		
29) Bis(2-chlorethoxy)methane	10.358	93	58	0.00	ng/uL#	16
30) 2,4-Dichlorophenol	0.000		0	N.D.		
31) Benzoic Acid	10.545	105	3123	1.48	ng/uL#	1
32) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) Naphthalene	10.586	128	1378	0.00	ng/uL#	1
34) 4-Chloroaniline	0.000		0	N.D.		
35) 2,6-Dichlorophenol	0.000		0	N.D.		
36) Hexachlorobutadiene	0.000		0	N.D.		
37) Caprolactam	11.582	55	530	0.51	ng/uL#	21
38) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
39) 4-Chloro-3-methylphenol	11.920	107	556	0.09	ng/uL#	73
40) 2-Methylnaphthalene	12.212	142	110	0.00	ng/uL#	17
41) 1-Methylnaphthalene	12.439	142	411	0.00	ng/uL#	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-01.D
Acq On : 22 May 2012 8:43
Operator : JLB
Sample : 1205085-01 Inst : 339
ALS Vial : 29 Sample Multiplier: 1

Quant Time: May 22 11:21:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	0.000		0	N.D.	
44) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	0.000		0	N.D.	
47) 2,4,5-Trichlorophenol	0.000		0	N.D.	
49) 2-Chloronaphthalene	0.000		0	N.D.	
50) 1,1'-Biphenyl	13.343	154	3461	0.01 ng/uL	94
51) 2-Nitroaniline	0.000		0	N.D.	
52) Acenaphthylene	14.742	152	411	0.00 ng/uL#	1
53) 2,6-Dinitrotoluene	14.229	165	361	0.25 ng/uL#	31
54) Dimethyl Phthalate	14.141	163	4752	0.02 ng/uL	94
55) 3-Nitroaniline	0.000		0	N.D.	
56) Acenaphthene	14.742	153	916	0.00 ng/uL#	80
57) 2,4-Dinitrophenol	0.000		0	N.D.	
58) Dibenzofuran	15.161	168	346	0.00 ng/uL#	37
59) 4-Nitrophenol	0.000		0	N.D.	
60) 2,4-Dinitrotoluene	0.000		0	N.D.	
61) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
63) Fluorene	15.983	166	412	0.00 ng/uL#	1
64) Diethyl Phthalate	15.855	149	24002	0.12 ng/uL	96
65) 4-Chlorophenyl Phenyl ...	16.228	204	818	0.01 ng/uL#	1
66) 4-Nitroaniline	0.000		0	N.D.	
68) 4,6-Dinitro-2-methylph...	16.560	198	612	0.91 ng/uL#	1
69) N-Nitroso-diphenylamine	16.333	169	350	0.00 ng/uL#	26
70) 1,2-Diphenylhydrazine	16.461	182	1478	0.03 ng/uL#	58
72) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
73) Hexachlorobenzene	0.000		0	N.D.	
74) Atrazine	0.000		0	N.D.	
75) Pentachlorophenol	17.790	266	117	0.50 ng/uL#	1
76) Phenanthrene	18.110	178	2919	0.01 ng/uL#	83
77) Anthracene	18.210	178	358	0.00 ng/uL#	34
78) Carbazole	18.542	167	3080	0.01 ng/uL#	74
80) Di-n-butyl Phthalate	19.165	149	24456	0.14 ng/uL#	94
81) Fluoroanthene	19.952	202	1039	0.00 ng/uL	96
83) Benzidine	20.168	184	137	0.02 ng/uL#	71
84) Pyrene	20.244	202	2014	0.01 ng/uL#	87
85) Butyl Benzyl Phthalate	21.025	149	142	0.93 ng/uL	82
86) Bis(2-ethylhexyl) adipate	21.147	129	1316	0.86 ng/uL#	100
87) Benzo(a)anthracene	21.654	228	2328	0.01 ng/uL#	1
88) 3,3'-Dichlorobenzidine	21.724	252	148	0.60 ng/uL#	19
89) Chrysene	21.654	228	2328	0.01 ng/uL#	1
90) Bis(2-ethylhexyl)phtha...	21.678	149	10668	0.64 ng/uL	96
91) Dicyclohexyl Phthalate	21.678	149	10668	0.52 ng/uL#	100
92) Di-n-octyl Phthalate	22.377	149	238	1.57 ng/uL#	74
94) Benzo(b)fluoroanthene	22.884	252	499	lmpp 0.32 ng/uL#	56
95) Benzo(k)fluoranthene	22.913	252	303	0.00 ng/uL#	58
96) Benzo(a)pyrene	23.321	252	173	lmpp 0.35 ng/uL#	57
97) Indeno(1,2,3-cd)pyrene	25.122	276	120	0.00 ng/uL#	46
98) Dibdenz(a,h)anthracene	0.000		0	N.D.	
99) Benzo(g,h,i)Perylene	25.629	276	107	0.00 ng/uL#	48

00592

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-01.D
Acq On : 22 May 2012 8:43
Operator : JLB
Sample : 1205085-01 Inst : 339
ALS Vial : 29 Sample Multiplier: 1

Quant Time: May 22 11:21:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00593

ORGANIC ANALYSIS DATA SHEET
USEPA-8270C

106037

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205085-02 File ID: 1205085-02.D

Sampled: 05/02/12 10:44 Prepared: 05/09/12 08:36 Analyzed: 05/22/12 09:15

Solids: Preparation: 3510C Liquid-Liquid Ext Initial/Final: 980 mL / 1 mL

QC Batch: 1205838 Sequence: 2E22051 Calibration: 2E22022 Instrument: 339

CAS No.	Analyte	Dilution	CONC. (ug/L)	MDL	MRL	Q
83-32-9	Acenaphthene	1	5.0	0.050	5.0	U
208-96-8	Acenaphthylene	1	5.0	0.050	5.0	U
120-12-7	Anthracene	1	5.0	0.018	5.0	U
56-55-3	Benzo(a)anthracene	1	1.0	0.026	1.0	U
50-32-8	Benzo(a)pyrene	1	1.0	0.040	1.0	U
205-99-2	Benzo(b)fluoranthene	1	1.0	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1	1.0	0.026	1.0	U
207-08-9	Benzo(k)fluoranthene	1	1.0	0.031	1.0	U
218-01-9	Chrysene	1	1.0	0.031	1.0	U
53-70-3	Dibenz(a,h)anthracene	1	2.0	0.034	2.0	U
206-44-0	Fluoranthene	1	1.0	0.017	1.0	U
86-73-7	Fluorene	1	5.0	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	1	2.0	0.024	2.0	U
91-57-6	2-Methylnaphthalene	1	5.0	0.024	5.0	U
91-20-3	Naphthalene	1	5.0	0.050	5.0	U
85-01-8	Phenanthrene	1	2.0	0.024	2.0	U
129-00-0	Pyrene	1	5.0	0.025	5.0	U

System Monitoring Compound	ADDED (ug/L)	CONC (ug/L)	% REC.	QC Limits	Q
Nitrobenzene-d5	10.2	7.50	74	31 - 123	
2-Fluorobiphenyl	10.2	8.15	80	25 - 113	
o-Terphenyl	10.3	9.08	88	42 - 125	

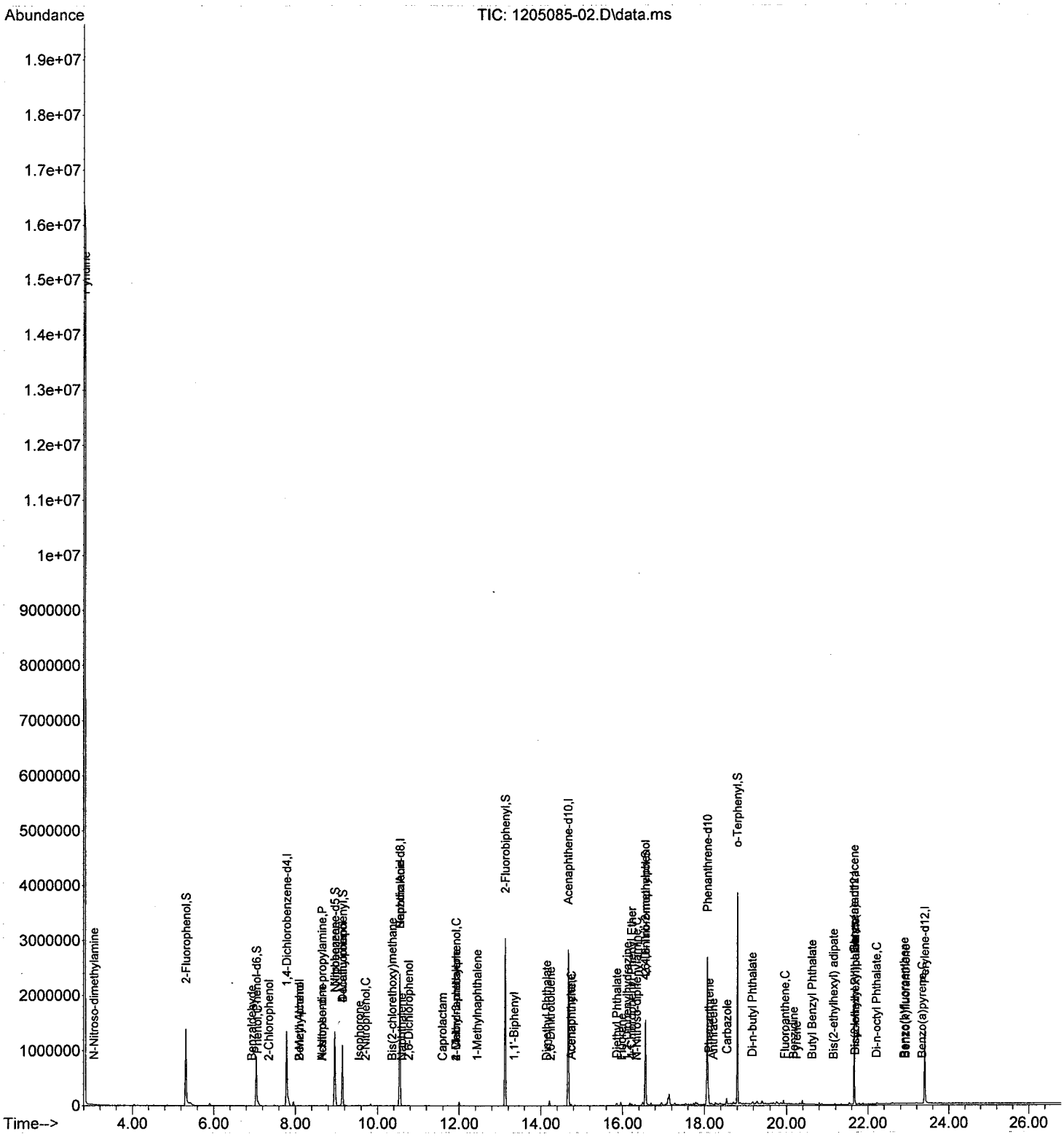
Internal Standard	Area	RT	% REC.	Ref. RT	Q
Naphthalene-d8	2109537	10.545	89	10.551	
Acenaphthene-d10	1150468	14.666	86	14.677	
Phenanthrene-d10	1494317	18.07	77	18.075	
Chrysene-d12	708481	21.654	76	21.66	
Perylene-d12	714173	23.397	77	23.397	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-02.D
Acq On : 22 May 2012 9:15
Operator : JLB
Sample : 1205085-02 Inst : 339
ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 22 11:22:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration



00595

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-02.D
Acq On : 22 May 2012 9:15
Operator : JLB
Sample : 1205085-02 Inst : 339
ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 22 11:22:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	476660	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.545	136	2109537	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.666	164	1150468	5.00	ng/uL	-0.01
67) Phenanthrene-d10	18.070	188	1494317	5.00	ng/uL	0.00
82) Chrysene-d12	21.654	240	708481	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	714173	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.322	112	965765	8.05	ng/uL	-0.01
7) Phenol-d6	7.048	99	700429	4.84	ng/uL	-0.02
22) Nitrobenzene-d5	8.959	82	793583	7.35	ng/uL	-0.02
24) Decafluorobiphenyl	9.146	334	551043	7.12	ng/uL	0.00
48) 2-Fluorobiphenyl	13.121	172	1733642	7.99	ng/uL	-0.01
71) 2,4,6-Tribromophenol	16.560	330	302646	14.55	ng/uL	-0.01
79) o-Terphenyl	18.798	230	979551	8.90	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.049	74	118	0.00	ng/uL#	1
3) Pyridine	2.822	79	431	0.00	ng/uL#	47
5) Aniline	0.000		0	N.D.		
6) Benzaldehyde	6.937	105	646	0.55	ng/uL#	1
8) Phenol	7.071	94	1029	0.01	ng/uL#	1
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 2-Chlorophenol	7.351	128	843	0.01	ng/uL#	64
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Bis(2-chloroisipropyl)...	0.000		0	N.D.		
15) Benzyl Alcohol	8.097	108	982	0.10	ng/uL	89
16) 2-Methylphenol	8.097	108	982	0.01	ng/uL#	67
17) Acetophenone	8.651	105	984	0.01	ng/uL#	92
18) Hexachloroethane	0.000		0	N.D.		
19) 4-Methylphenol	9.146	107	850	0.01	ng/uL#	21
20) N-Nitroso-di-n-propyla...	8.651	70	199	0.00	ng/uL#	1
23) Nitrobenzene	8.965	77	2119	0.02	ng/uL#	1
25) Isophorone	9.548	82	172	0.00	ng/uL#	58
26) 2-Chloroaniline	0.000		0	N.D.		
27) 2-Nitrophenol	9.706	139	194	0.39	ng/uL#	26
28) 2,4-Dimethylphenol	0.000		0	N.D.		
29) Bis(2-chlorethoxy)methane	10.352	93	52	0.00	ng/uL#	16
30) 2,4-Dichlorophenol	0.000		0	N.D.		
31) Benzoic Acid	10.545	105	2909	1.48	ng/uL#	1
32) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) Naphthalene	10.591	128	615	0.00	ng/uL#	1
34) 4-Chloroaniline	0.000		0	N.D.		
35) 2,6-Dichlorophenol	10.755	162	186	0.00	ng/uL#	15
36) Hexachlorobutadiene	0.000		0	N.D.		
37) Caprolactam	11.588	55	401	0.51	ng/uL#	21
38) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
39) 4-Chloro-3-methylphenol	11.920	107	146	0.09	ng/uL#	1
40) 2-Methylnaphthalene	11.920	142	346	0.00	ng/uL#	17
41) 1-Methylnaphthalene	12.439	142	59	0.00	ng/uL#	74

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-02.D
Acq On : 22 May 2012 9:15
Operator : JLB
Sample : 1205085-02 Inst : 339
ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 22 11:22:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	0.000		0	N.D.	
44) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	0.000		0	N.D.	
47) 2,4,5-Trichlorophenol	0.000		0	N.D.	
49) 2-Chloronaphthalene	0.000		0	N.D.	
50) 1,1'-Biphenyl	13.343	154	3242	0.01 ng/uL#	77
51) 2-Nitroaniline	0.000		0	N.D.	
52) Acenaphthylene	14.736	152	56	0.00 ng/uL#	1
53) 2,6-Dinitrotoluene	14.234	165	344	0.25 ng/uL#	1
54) Dimethyl Phthalate	14.141	163	2710	0.01 ng/uL	92
55) 3-Nitroaniline	0.000		0	N.D.	
56) Acenaphthene	14.747	153	275	0.00 ng/uL#	47
57) 2,4-Dinitrophenol	0.000		0	N.D.	
58) Dibenzofuran	0.000		0	N.D.	
59) 4-Nitrophenol	0.000		0	N.D.	
60) 2,4-Dinitrotoluene	0.000		0	N.D.	
61) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
63) Fluorene	15.977	166	183	0.00 ng/uL#	1
64) Diethyl Phthalate	15.855	149	24205	0.13 ng/uL	97
65) 4-Chlorophenyl Phenyl ...	16.222	204	698	0.01 ng/uL#	15
66) 4-Nitroaniline	0.000		0	N.D.	
68) 4,6-Dinitro-2-methylph...	16.554	198	658	0.91 ng/uL#	1
69) N-Nitroso-diphenylamine	16.339	169	121	0.00 ng/uL#	65
70) 1,2-Diphenylhydrazine	16.111	182	119	0.00 ng/uL	80
72) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
73) Hexachlorobenzene	0.000		0	N.D.	
74) Atrazine	0.000		0	N.D.	
75) Pentachlorophenol	0.000		0	N.D.	
76) Phenanthrene	18.110	178	2037	0.01 ng/uL#	78
77) Anthracene	18.209	178	258	0.00 ng/uL#	63
78) Carbazole	18.542	167	2774	0.01 ng/uL#	65
80) Di-n-butyl Phthalate	19.165	149	19569	0.12 ng/uL#	94
81) Fluoroanthene	19.952	202	686	0.00 ng/uL#	62
83) Benzidine	20.168	184	217	0.03 ng/uL#	71
84) Pyrene	20.244	202	760	0.00 ng/uL#	87
85) Butyl Benzyl Phthalate	20.623	149	194	0.93 ng/uL	87
86) Bis(2-ethylhexyl) adipate	21.147	129	1016	0.86 ng/uL#	100
87) Benzo(a)anthracene	21.654	228	2128	0.01 ng/uL#	1
88) 3,3'-Dichlorobenzidine	0.000		0	N.D.	
89) Chrysene	21.654	228	2128	0.01 ng/uL#	19
90) Bis(2-ethylhexyl)phtha...	21.678	149	7498	0.61 ng/uL#	88
91) Dicyclohexyl Phthalate	21.678	149	7861	0.51 ng/uL#	100
92) Di-n-octyl Phthalate	22.208	149	739	1.57 ng/uL	100
94) Benzo(b)fluoroanthene	22.884	252	334	~~0.32~~ ng/uL#	56
95) Benzo(k)fluoranthene	22.919	252	372	0.00 ng/uL#	58
96) Benzo(a)pyrene	23.327	252	223	~~0.35~~ ng/uL#	57
97) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.	
98) Dibdenz(a,h)anthracene	0.000		0	N.D.	
99) Benzo(g,h,i)Perylene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205085-02.D
Acq On : 22 May 2012 9:15
Operator : JLB
Sample : 1205085-02 Inst : 339
ALS Vial : 30 Sample Multiplier: 1

Quant Time: May 22 11:22:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00598

INITIAL CALIBRATION DATA
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E11005

SDG: KNM050112

Project: KNM

Calibration Date: 05/07/12 10:59

Instrument: 308

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	0.5	1.057645	1	0.9247781	2	1.189548	5	1.279724	10	1.068096	15	1.021153
Acenaphthylene	0.5	1.743608	1	1.309691	2	1.788668	5	2.012359	10	1.681708	15	1.616047
Anthracene	0.5	0.9753797	1	0.7345794	2	0.9712946	5	1.117413	10	0.959009	15	0.8951003
Benzo(a)anthracene	0.5	1.483192	1	0.9961584	2	1.322743	5	1.475141	10	1.277765	15	1.227431
Benzo(a)pyrene	0.5	1.02958	1	0.7309899	2	0.9363878	5	1.186968	10	0.9921253	15	0.9529882
Benzo(b)fluoranthene	0.5	1.19181	1	0.7849778	2	1.127845	5	1.361593	10	1.114239	15	1.042949
Benzo(g,h,i)perylene	0.5	0.7200536	1	0.5143471	2	0.7170214	5	0.8506187	10	0.6818642	15	0.6649225
Benzo(k)fluoranthene	0.5	1.249374	1	1.026578	2	1.219212	5	1.346048	10	1.168604	15	1.090154
Chrysene	0.5	1.464676	1	1.088921	2	1.270723	5	1.422969	10	1.196463	15	1.129001
Dibenz(a,h)anthracene	0.5	0.6564246	1	0.4873585	2	0.7105367	5	0.8553373	10	0.7252997	15	0.6897795
Fluoranthene	0.5	0.9177192	1	0.6323292	2	0.8435104	5	0.9912878	10	0.8426806	15	0.8115136
Fluorene	0.5	1.123393	1	0.836844	2	1.15141	5	1.328366	10	1.080859	15	1.04712
Indeno(1,2,3-cd)pyrene	0.5	0.7636974	1	0.4931228	2	0.7187545	5	0.8736946	10	0.742286	15	0.7010816
2-Methylnaphthalene	0.5	0.6532537	1	0.5387752	2	0.7145552	5	0.7559706	10	0.6756111	15	0.6161665
Naphthalene	0.5	1.047935	1	0.902548	2	1.100815	5	1.193103	10	1.056357	15	0.9468939
Phenanthrene	0.5	1.129992	1	0.8248425	2	1.090191	5	1.126042	10	0.9661018	15	0.9105603
Pyrene	0.5	1.991889	1	1.22639	2	1.703395	5	2.010811	10	1.721677	15	1.623916
Nitrobenzene-d5	1	0.3001277	2.01	0.2837213	4.02	0.3716871	10	0.4093723	20.1	0.363221	30.2	0.3536534
2-Fluorobiphenyl	1	1.142742	2	1.039959	4	1.365178	10	1.412015	20	1.156393	30	1.200669
o-Terphenyl	1.01	0.4842865	2.02	0.4194938	4.04	0.5769368	10.1	0.5881135	20.2	0.4724837	30.3	0.4995025

INITIAL CALIBRATION DATA (Continued)

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E11005

SDG: KNM050112

Project: KNM

Calibration Date: 05/07/12 10:59

Instrument: 308

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	20	1.01966	25	1.010278								
Acenaphthylene	20	1.617849	25	1.59269								
Anthracene	20	0.9354952	25	0.9027468								
Benzo(a)anthracene	20	1.222086	25	1.172314								
Benzo(a)pyrene	20	0.9883414	25	0.9910686								
Benzo(b)fluoranthene	20	1.124284	25	1.12095								
Benzo(g,h,i)perylene	20	0.6737553	25	0.6909857								
Benzo(k)fluoranthene	20	1.042632	25	1.08899								
Chrysene	20	1.123385	25	1.113451								
Dibenz(a,h)anthracene	20	0.7073307	25	0.7307929								
Fluoranthene	20	0.8617749	25	0.8696897								
Fluorene	20	1.085436	25	1.075602								
Indeno(1,2,3-cd)pyrene	20	0.7205119	25	0.7154233								
2-Methylnaphthalene	20	0.6465391	25	0.644543								
Naphthalene	20	0.9938175	25	0.9840155								
Phenanthrene	20	0.9197663	25	0.9056609								
Pyrene	20	1.675804	25	1.530871								
Nitrobenzene-d5	40.2	0.3705498	50.2	0.3730069								
2-Fluorobiphenyl	40	1.177892	50	1.158413								
o-Terphenyl	40.4	0.5250873	50.5	0.5317563								

INITIAL CALIBRATION DATA (Continued)

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E11005

SDG: KNM050112

Project: KNM

Calibration Date: 05/07/12 10:59

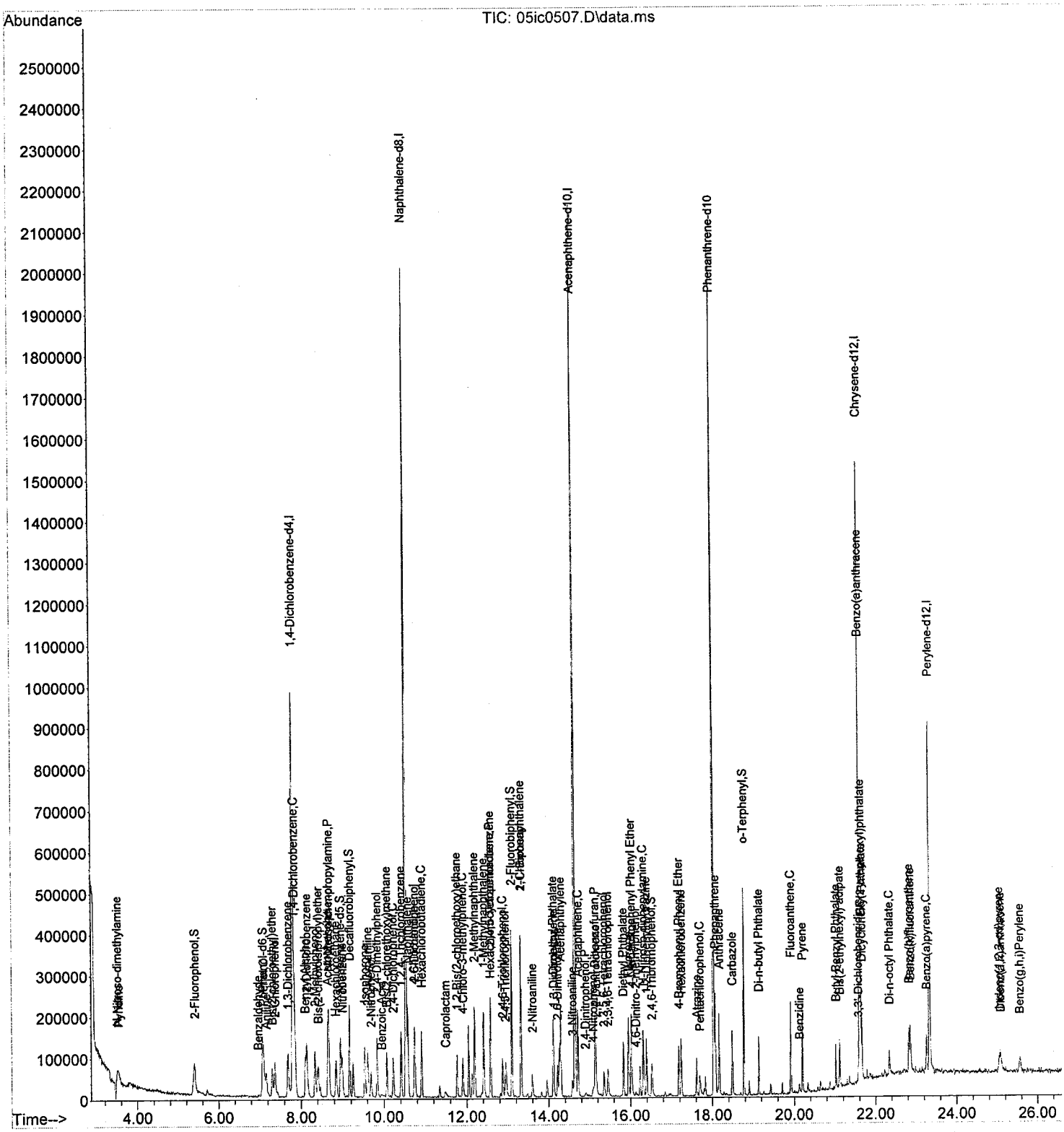
Instrument: 308

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acenaphthene	1.07136	10.46505	14.72575	3.277352E-02			CCC (30)	
Acenaphthylene	1.670327	11.93679	14.30325	4.185924E-02			15	
Anthracene	0.9363772	11.38714	18.17925	1.472314E-02			15	
Benzo(a)anthracene	1.272104	12.56987	21.604	5.754366E-03			15	
Benzo(a)pyrene	0.9760561	12.85172	23.266	4.64474E-03			CCC (30)	
Benzo(b)fluoranthene	1.108581	14.49601	22.834	1.902352E-02			15	
Benzo(g,h,i)perylene	0.6891961	13.34804	25.572	2.818969E-02			15	
Benzo(k)fluoranthene	1.153949	9.682478	22.86975	2.055932E-02			15	
Chrysene	1.226199	11.93938	21.64125	4.124087E-03			15	
Dibenz(a,h)anthracene	0.6953575	14.67898	25.09275	2.222876E-02			15	
Fluoranthene	0.8463132	12.14255	19.92213	8.940861E-03			CCC (30)	
Fluorene	1.091129	12.38985	15.9635	3.980482E-02			15	
Indeno(1,2,3-cd)pyrene	0.7160715	14.71868	25.06013	2.074915E-02			15	
2-Methylnaphthalene	0.6556768	9.877873	12.202	3.624517E-02			15	
Naphthalene	1.028186	8.942791	10.58575	4.397602E-02			15	
Phenanthrene	0.9841446	11.77948	18.086	9.551637E-03			15	
Pyrene	1.685594	14.87235	20.20888	1.012972E-02			15	
Nitrobenzene-d5	0.3531674	11.69181	8.964875	8.031098E-02			15	
2-Fluorobiphenyl	1.206658	10.14464	13.1105	3.827409E-02			15	
o-Terphenyl	0.5122075	10.84868	18.78	0.0127233			15	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:30:56 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
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Operator : JLB
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Quant Time: May 07 13:30:56 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	398603	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.536	136	1614013	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.645	164	829229	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.043	188	1132318	5.00	ng/uL	0.00
82) Chrysene-d12	21.610	240	581644	5.00	ng/uL	# 0.00
93) Perylene-d12	23.341	264	520989	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.412	112	96972m	0.88	ng/uL	-0.01
7) Phenol-d6	7.091	99	114174	0.88	ng/uL	0.00
22) Nitrobenzene-d5	8.956	82	96882	0.85	ng/uL	0.00
24) Decafluorobiphenyl	9.178	334	77259	1.00	ng/uL	0.00
48) 2-Fluorobiphenyl	13.106	172	189519	0.94	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.528	330	14882	1.02	ng/uL	0.00
79) o-Terphenyl	18.777	230	110770	0.93	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.506	74	26135	0.37	ng/uL	93
3) Pyridine	3.541	79	49304	0.38	ng/uL#	73
5) Aniline	7.173	93	42901	1.13	ng/uL#	84
6) Benzaldehyde	6.974	105	871	0.23	ng/uL#	39
8) Phenol	7.109	94	75906	0.53	ng/uL	85
9) Bis(2-chloroethyl)ether	7.313	93	57969	0.55	ng/uL	100
10) 2-Chlorophenol	7.383	128	55407	0.51	ng/uL#	70
11) 1,3-Dichlorobenzene	7.697	146	65885	0.52	ng/uL	95
12) 1,4-Dichlorobenzene	7.843	146	70818	0.55	ng/uL	93
13) 1,2-Dichlorobenzene	8.146	146	61921	0.52	ng/uL	93
14) Bis(2-chloroisipropyl)...	8.426	45	70276	0.51	ng/uL#	87
15) Benzyl Alcohol	8.105	108	33945	0.48	ng/uL	94
16) 2-Methylphenol	8.344	108	46436	0.49	ng/uL#	86
17) Acetophenone	8.653	105	74331	0.51	ng/uL#	83
18) Hexachloroethane	8.845	119	25395	0.55	ng/uL	93
19) 4-Methylphenol	8.671	107	54199	0.51	ng/uL#	49
20) N-Nitroso-di-n-propyla...	8.682	70	36582	0.47	ng/uL#	77
23) Nitrobenzene	9.003	77	58621	0.50	ng/uL#	12
25) Isophorone	9.545	82	86592	0.45	ng/uL	99
26) 2-Chloroaniline	9.621	127	60569	0.88	ng/uL	97
27) 2-Nitrophenol	9.696	139	21920	0.43	ng/uL#	88
28) 2,4-Dimethylphenol	9.842	107	53857	0.54	ng/uL	91
29) Bis(2-chlorethoxy)methane	10.075	93	55646	0.49	ng/uL	98
30) 2,4-Dichlorophenol	10.227	162	34781	0.46	ng/uL	97
31) Benzoic Acid	9.947	105	5456	2.66	ng/uL#	56
32) 1,2,4-Trichlorobenzene	10.419	180	57749	0.59	ng/uL	91
33) Naphthalene	10.582	128	169138	0.55	ng/uL#	95
34) 4-Chloroaniline	10.740	127	34534	0.86	ng/uL#	55
35) 2,6-Dichlorophenol	10.746	162	34978	0.47	ng/uL	90
36) Hexachlorobutadiene	10.915	225	31964	0.57	ng/uL	99
37) Caprolactam	11.492	55	5211	1.04	ng/uL#	63
38) 1,2-Bis(2-chloroethoxy...	11.771	63	45654	0.52	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.911	107	35344	0.46	ng/uL	96
40) 2-Methylnaphthalene	12.197	142	105436	0.54	ng/uL	97
41) 1-Methylnaphthalene	12.418	142	99108	0.54	ng/uL	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:30:56 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.132	168	10742	1.03 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.587	216	47490	0.55 ng/uL	97
45) Hexachlorocyclopentadiene	12.582	237	17135	0.89 ng/uL	90
46) 2,4,6-Trichlorophenol	12.885	196	22094	0.45 ng/uL	95
47) 2,4,5-Trichlorophenol	12.949	196	23377	0.48 ng/uL	90
49) 2-Chloronaphthalene	13.328	162	98699	0.56 ng/uL	98
50) 1,1'-Biphenyl	13.328	154	114449	0.53 ng/uL	98
51) 2-Nitroaniline	13.602	138	16225	0.84 ng/uL	93
52) Acenaphthylene	14.301	152	144585	0.54 ng/uL#	83
53) 2,6-Dinitrotoluene	14.225	165	15940	0.43 ng/uL#	86
54) Dimethyl Phthalate	14.120	163	93477	0.54 ng/uL	93
55) 3-Nitroaniline	14.587	138	13078	1.06 ng/uL#	1
56) Acenaphthene	14.727	153	87703	0.52 ng/uL	97
57) 2,4-Dinitrophenol	14.901	184	1995	2.94 ng/uL#	77
58) Dibenzofuran	15.140	168	125016	0.56 ng/uL	89
59) 4-Nitrophenol	15.094	65	17239m	2.18 ng/uL	
60) 2,4-Dinitrotoluene	15.164	165	16003	0.85 ng/uL#	31
61) 2,3,5,6-Tetrachlorophenol	15.356	232	15645	0.43 ng/uL#	90
62) 2,3,4,6-Tetrachlorophenol	15.461	232	16864	0.47 ng/uL#	93
63) Fluorene	15.956	166	93155	0.52 ng/uL	93
64) Diethyl Phthalate	15.834	149	75419	0.44 ng/uL	95
65) 4-Chlorophenyl Phenyl ...	16.032	204	49519	0.60 ng/uL#	86
66) 4-Nitroaniline	16.038	138	12998	0.49 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.137	198	3522	1.27 ng/uL#	46
69) N-Nitroso-diphenylamine	16.318	169	70063	0.56 ng/uL	98
70) 1,2-Diphenylhydrazine	16.399	182	24601	0.61 ng/uL	84
72) 4-Bromophenyl Phenyl E...	17.192	248	21657	0.55 ng/uL	97
73) Hexachlorobenzene	17.250	284	26798	0.64 ng/uL#	94
74) Atrazine	17.623	200	13812	0.38 ng/uL	85
75) Pentachlorophenol	17.699	266	11437	0.77 ng/uL	97
76) Phenanthrene	18.084	178	127951	0.58 ng/uL	99
77) Anthracene	18.177	178	110444	0.53 ng/uL	98
78) Carbazole	18.492	167	91404	0.56 ng/uL	98
80) Di-n-butyl Phthalate	19.145	149	82663	0.36 ng/uL	99
81) Fluoroanthene	19.920	202	103915	0.53 ng/uL#	89
83) Benzidine	20.136	184	16459	0.91 ng/uL#	83
84) Pyrene	20.206	202	115857	0.59 ng/uL	97
85) Butyl Benzyl Phthalate	21.027	149	25420	0.34 ng/uL	90
86) Bis(2-ethylhexyl) adipate	21.121	129	16371	0.26 ng/uL#	100
87) Benzo(a)anthracene	21.604	228	86269	0.58 ng/uL	99
88) 3,3'-Dichlorobenzidine	21.581	252	13482	1.03 ng/uL	100
89) Chrysene	21.639	228	85192	0.62 ng/uL	100
90) Bis(2-ethylhexyl)phtha...	21.645	149	30249	0.30 ng/uL	97
91) Dicyclohexyl Phthalate	21.668	149	52953	0.46 ng/uL#	100
92) Di-n-octyl Phthalate	22.345	149	37680	0.27 ng/uL	96
94) Benzo(b)fluoroanthene	22.834	252	62092	0.53 ng/uL	96
95) Benzo(k)fluoranthene	22.869	252	65091	0.56 ng/uL	98
96) Benzo(a)pyrene	23.266	252	53640	0.50 ng/uL	98
97) Indeno(1,2,3-cd)pyrene	25.055	276	44420m	0.44 ng/uL	
98) Dibenz(a,h)anthracene	25.090	278	34199	0.41 ng/uL	96
99) Benzo(g,h,i)Perylene	25.562	276	37514	0.45 ng/uL	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:30:56 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

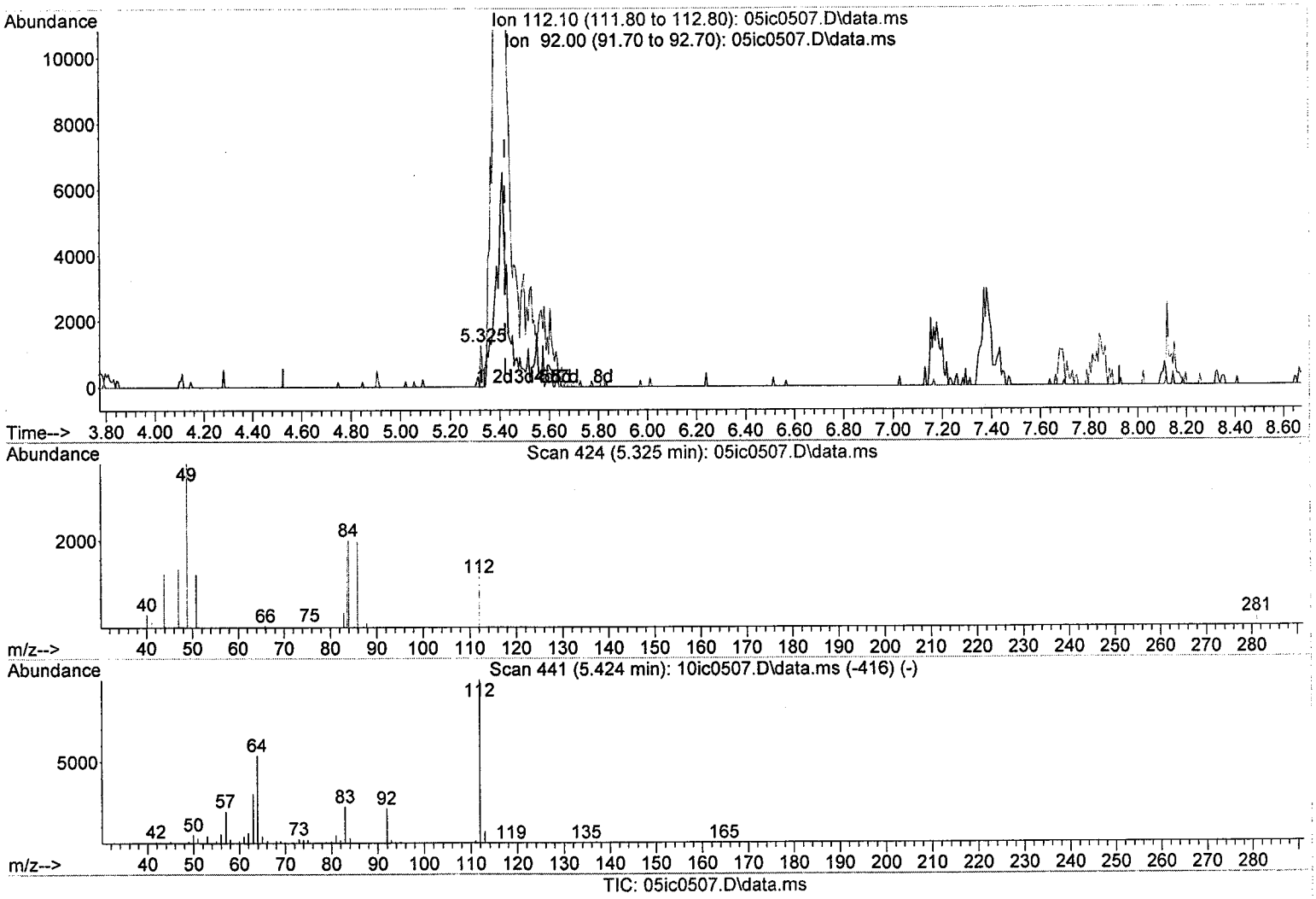
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00605

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:29:43 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

5.325min (-0.099) 0.01 ng/uL

response 784

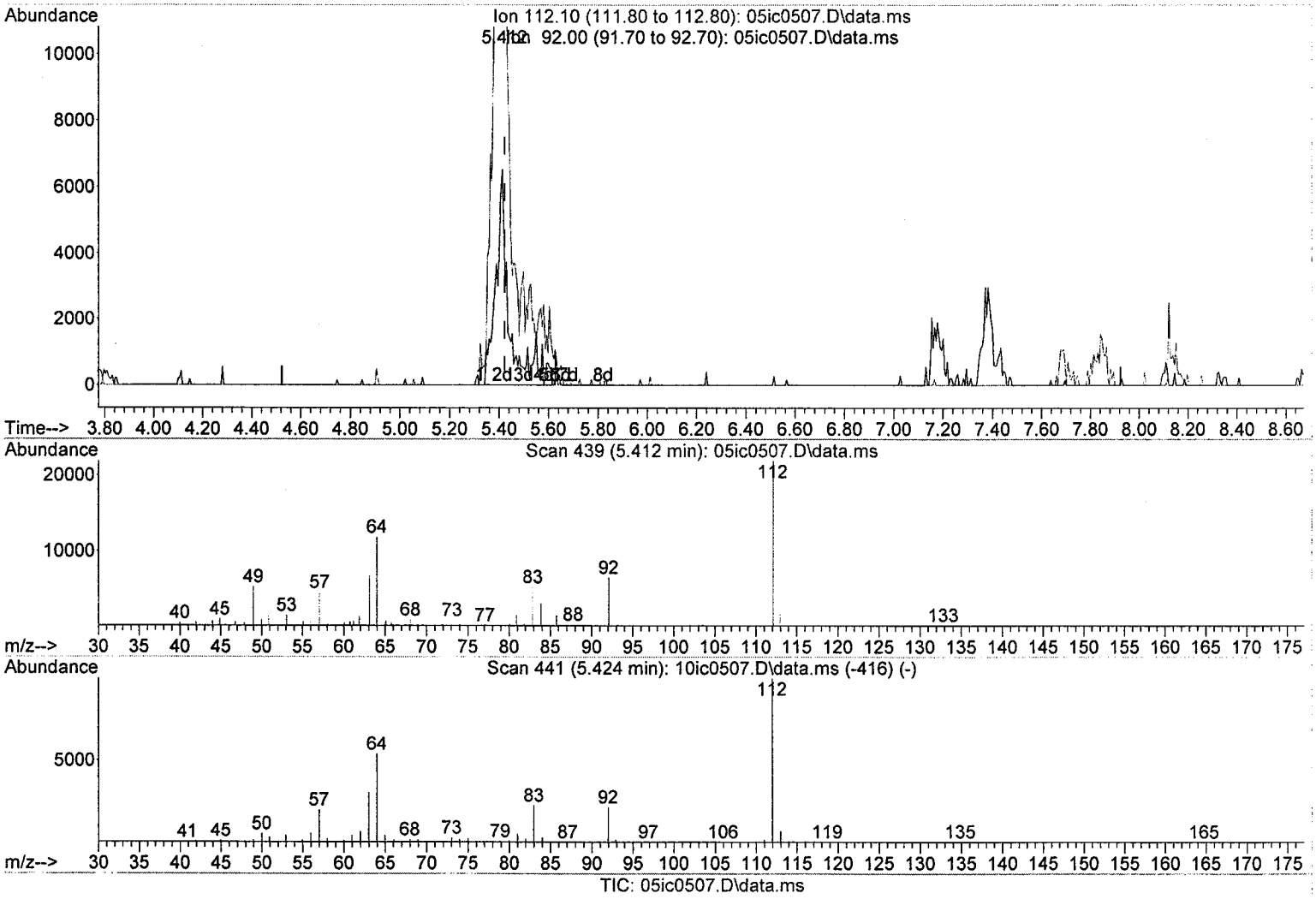
Ion	Exp%	Act%
112.10	100	100
92.00	24.50	21.17
0.00	0.00	0.00
0.00	0.00	0.00

JWB 5-7-12 & 5-11-12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:29:43 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration



(4) 2-Fluorophenol (S)

5.412min (-0.012) 0.88 ng/uL m

response 96972

Ion	Exp%	Act%
112.10	100	100
92.00	24.50	0.17#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5-7-12

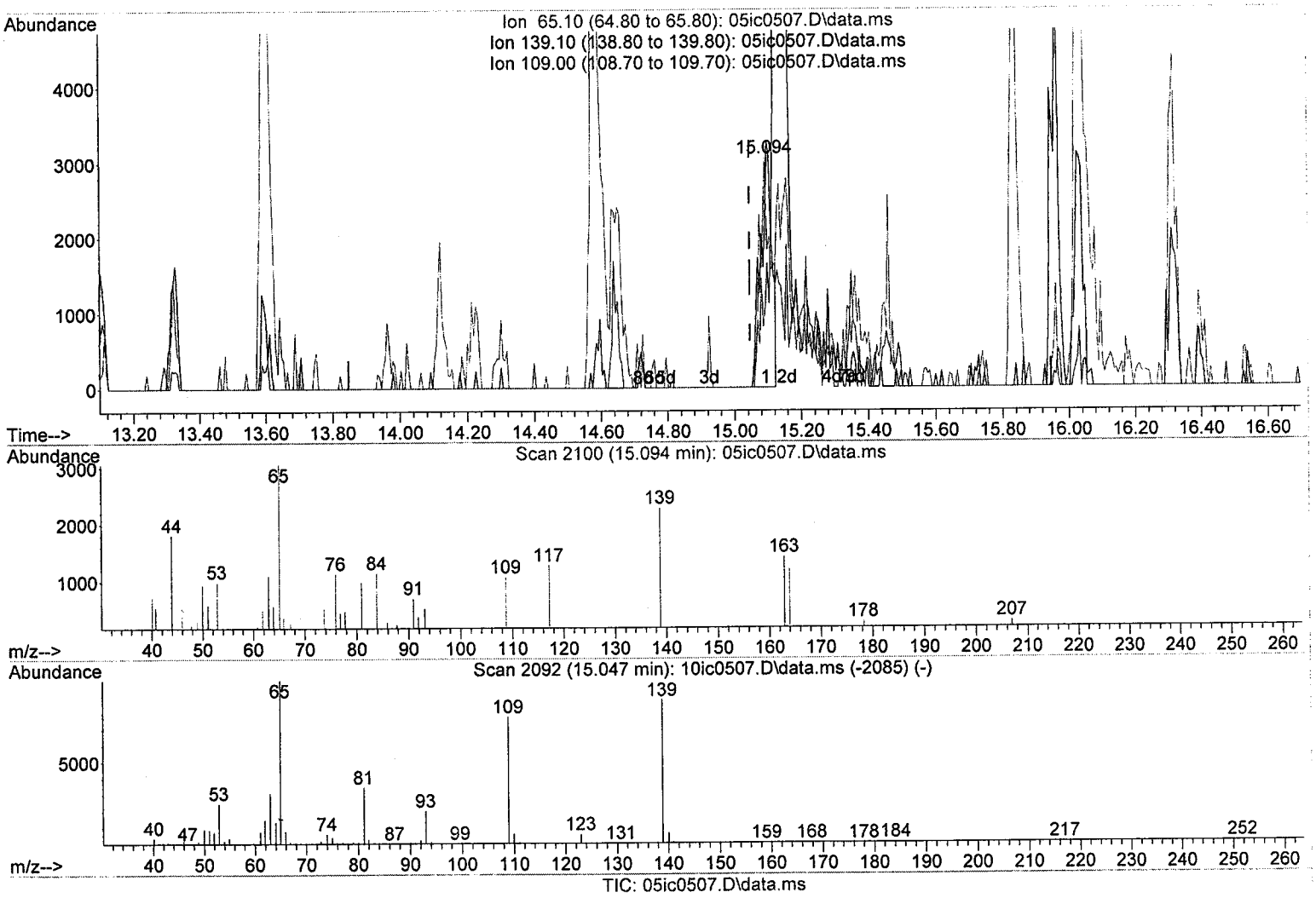
Reviewed By: [illegible] Date: 5/11/12

00607

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:29:43 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration



TIC: 05ic0507.D\data.ms

(59) 4-Nitrophenol

15.094min (+0.047) 1.85 ng/uL

response 6793

Ion	Exp%	Act%
65.10	100	100
139.10	104.30	94.57
109.00	63.30	66.38
0.00	0.00	0.00

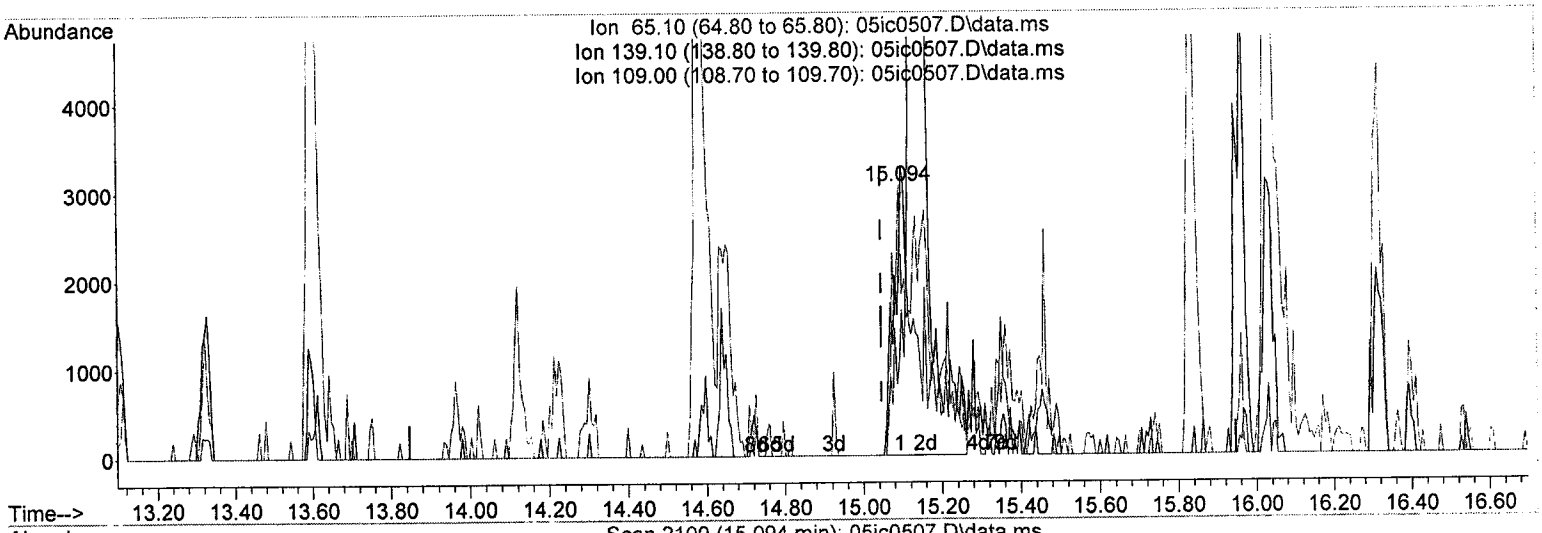
JLB 5-7-12

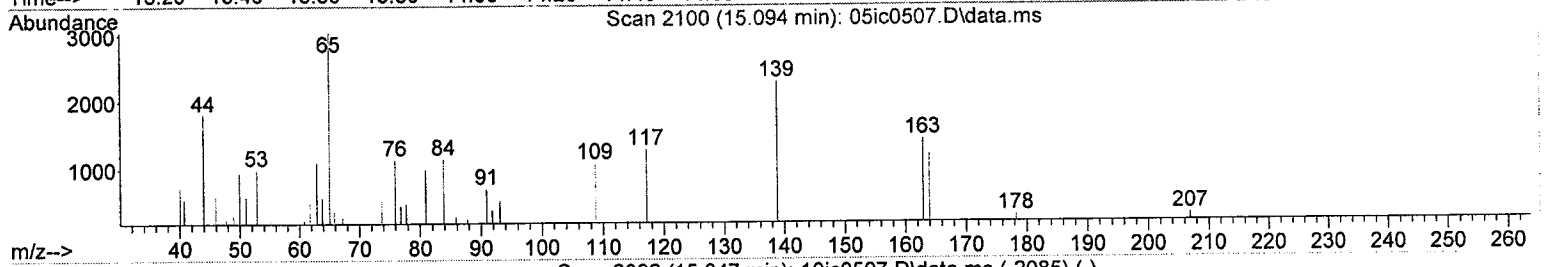
00608

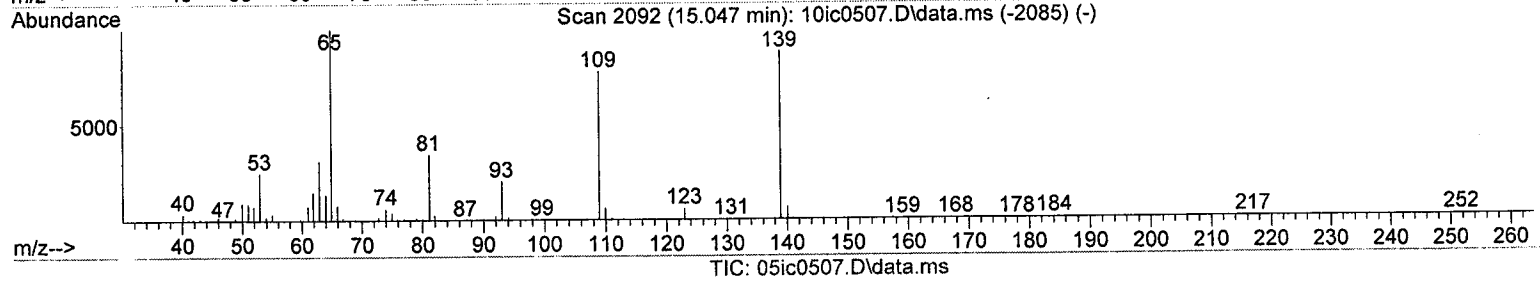
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:29:43 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration







TIC: 05ic0507.D\data.ms

(59) 4-Nitrophenol

15.094min (+0.047) 2.18 ng/uL m

response 17239

Ion	Exp%	Act%
65.10	100	100
139.10	104.30	37.26#
109.00	63.30	26.16#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

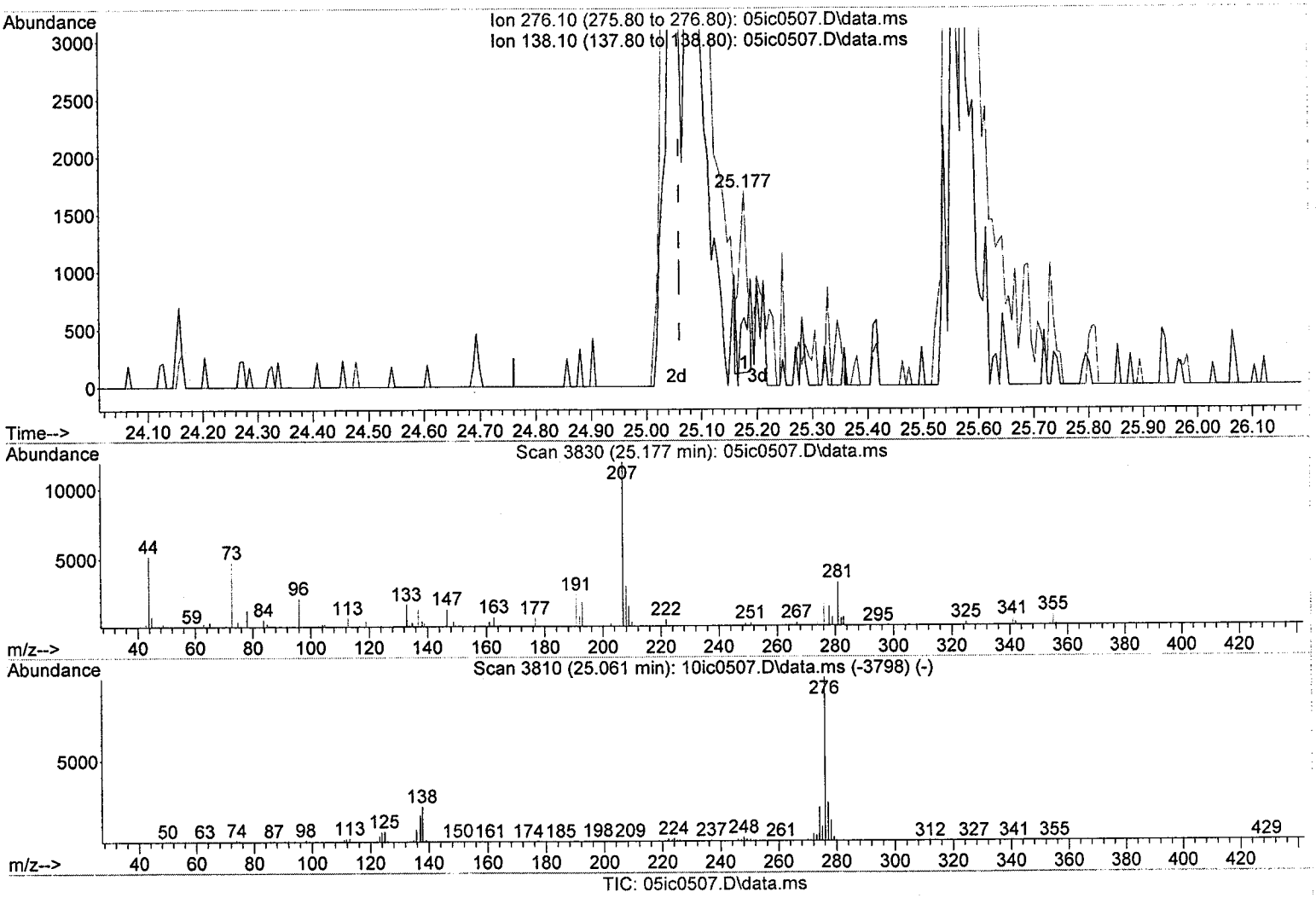
Analyst: JWB Date: 5-7-12

Reviewed By: [illegible] Date: [illegible]

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:29:43 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration



TIC: 05ic0507.D\data.ms

(97) Indeno(1,2,3-cd)pyrene

25.177min (+0.117) 0.02 ng/uL

response 1583

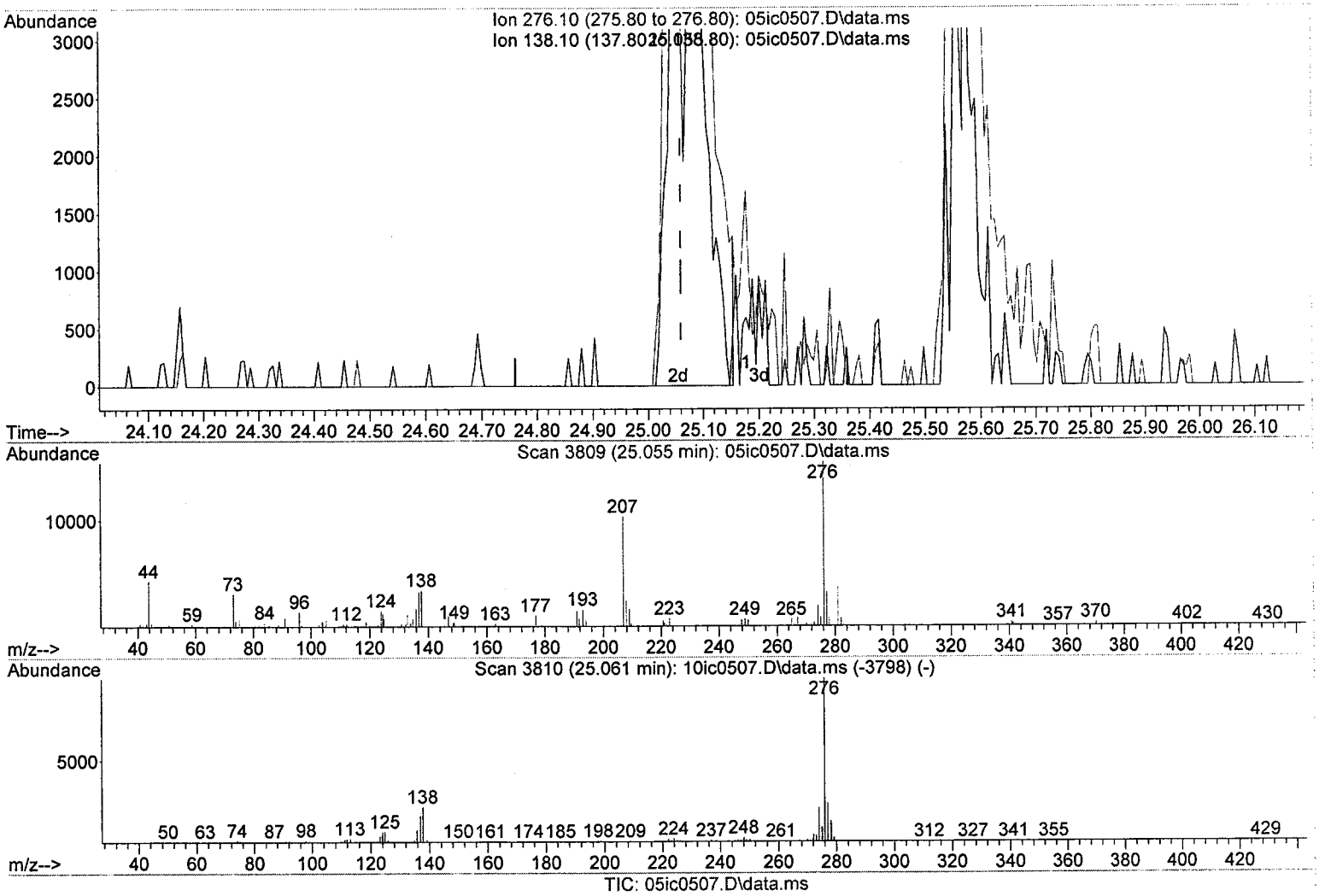
Ion	Exp%	Act%
276.10	100	100
138.10	28.90	31.96
0.00	0.00	0.00
0.00	0.00	0.00

JWB 5-7-12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 05ic0507.D
Acq On : 7 May 2012 9:47
Operator : JLB
Sample : 05ic0507 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 13:29:43 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:29:28 2012
Response via : Initial Calibration



TIC: 05ic0507.D\data.ms

(97) Indeno(1,2,3-cd)pyrene

25.055min (-0.006) 0.44 ng/uL m

response 44420

Ion	Exp%	Act%
276.10	100	100
138.10	28.90	1.14#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

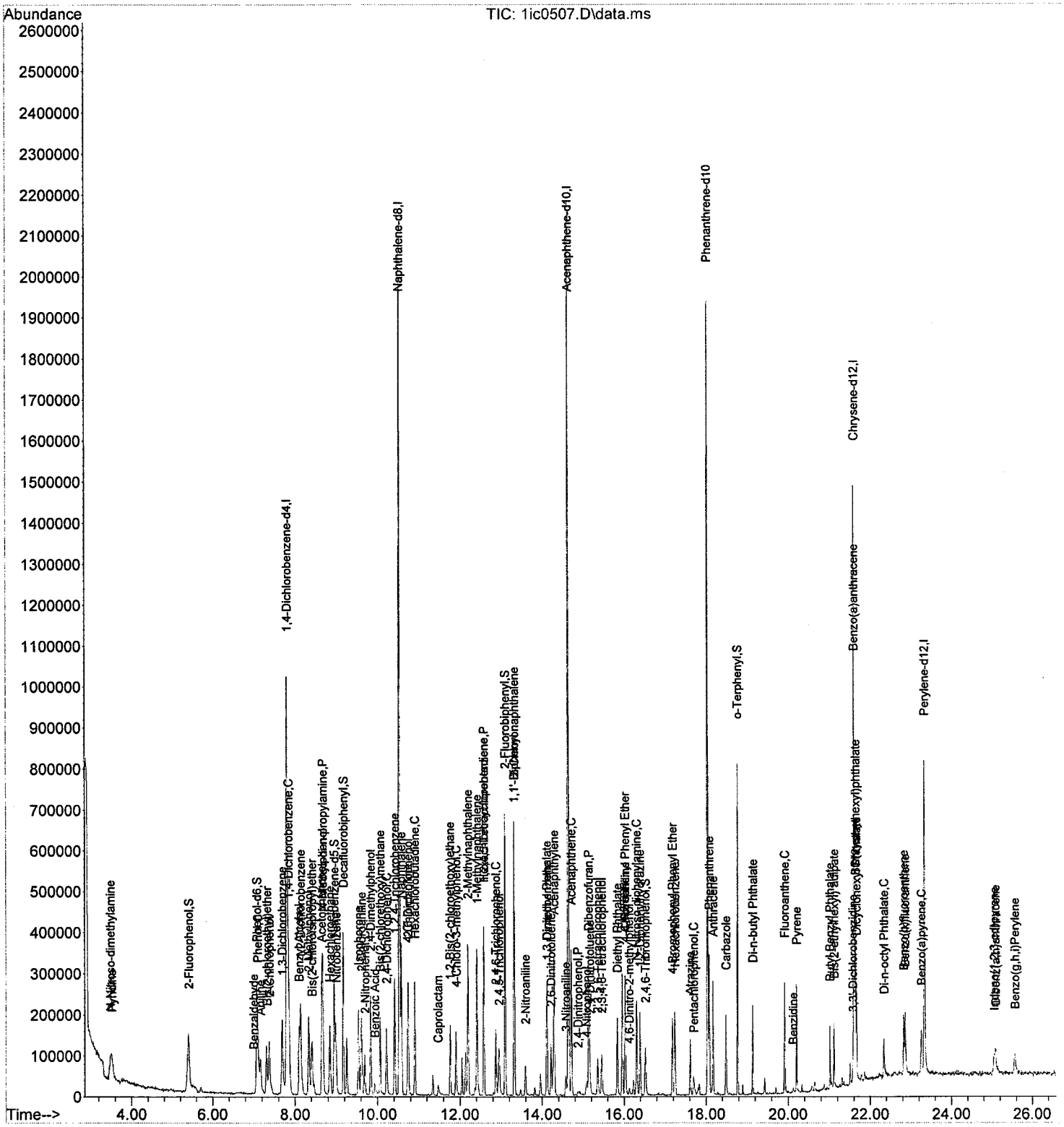
Analyst: JLB Date: 5-8-12

Reviewed By: [illegible] Date: 5/10

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:32:34 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration



00612

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:32:34 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.814	152	398778	5.00	ng/uL	#	0.00
21) Naphthalene-d8	10.536	136	1613892	5.00	ng/uL		0.00
43) Acenaphthene-d10	14.645	164	809924	5.00	ng/uL		0.00
67) Phenanthrene-d10	18.037	188	1056135	5.00	ng/uL		0.00
82) Chrysene-d12	21.610	240	534157	5.00	ng/uL	#	0.00
93) Perylene-d12	23.341	264	470198	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.412	112	144199	1.33	ng/uL		0.00
7) Phenol-d6	7.085	99	194635	1.54	ng/uL		0.00
22) Nitrobenzene-d5	8.956	82	184074	1.64	ng/uL		0.00
24) Decafluorobiphenyl	9.178	334	144829	1.87	ng/uL		0.00
48) 2-Fluorobiphenyl	13.106	172	336915	1.74	ng/uL		0.00
71) 2,4,6-Tribromophenol	16.527	330	19334	1.42	ng/uL		0.00
79) o-Terphenyl	18.777	230	178989	1.64	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.489	74	55536	0.81	ng/uL		98
3) Pyridine	3.524	79	129095	1.04	ng/uL		88
5) Aniline	7.172	93	61543	1.26	ng/uL		99
6) Benzaldehyde	7.003	105	1287	0.39	ng/uL	#	59
8) Phenol	7.103	94	123631	0.86	ng/uL		91
9) Bis(2-chloroethyl)ether	7.324	93	97196	0.91	ng/uL		100
10) 2-Chlorophenol	7.382	128	86694	0.80	ng/uL	#	25
11) 1,3-Dichlorobenzene	7.697	146	121795	0.96	ng/uL		98
12) 1,4-Dichlorobenzene	7.849	146	120547	0.93	ng/uL		89
13) 1,2-Dichlorobenzene	8.146	146	111415	0.94	ng/uL		97
14) Bis(2-chloroisipropyl)...	8.420	45	127609	0.93	ng/uL		97
15) Benzyl Alcohol	8.105	108	55291	0.79	ng/uL		88
16) 2-Methylphenol	8.338	108	77602	0.82	ng/uL	#	92
17) Acetophenone	8.653	105	122252	0.83	ng/uL	#	80
18) Hexachloroethane	8.851	119	42662	0.91	ng/uL		99
19) 4-Methylphenol	8.676	107	85608	0.81	ng/uL	#	41
20) N-Nitroso-di-n-propyla...	8.682	70	65080	0.85	ng/uL		85
23) Nitrobenzene	9.003	77	104072	0.88	ng/uL	#	1
25) Isophorone	9.545	82	152854	0.80	ng/uL		99
26) 2-Chloroaniline	9.620	127	102126	1.14	ng/uL		94
27) 2-Nitrophenol	9.702	139	33266	0.65	ng/uL	#	93
28) 2,4-Dimethylphenol	9.842	107	82865	0.82	ng/uL		92
29) Bis(2-chlorethoxy)methane	10.075	93	97971	0.88	ng/uL		95
30) 2,4-Dichlorophenol	10.227	162	58695	0.78	ng/uL		98
31) Benzoic Acid	9.941	105	18177	2.82	ng/uL		95
32) 1,2,4-Trichlorobenzene	10.425	180	93251	0.94	ng/uL		97
33) Naphthalene	10.582	128	291323	0.94	ng/uL		100
34) 4-Chloroaniline	10.740	127	47364	0.98	ng/uL	#	17
35) 2,6-Dichlorophenol	10.745	162	59019	0.79	ng/uL		90
36) Hexachlorobutadiene	10.909	225	53125	0.93	ng/uL		95
37) Caprolactam	11.468	55	7262	1.13	ng/uL	#	79
38) 1,2-Bis(2-chloroethoxy...	11.765	63	68726	0.77	ng/uL	#	100
39) 4-Chloro-3-methylphenol	11.911	107	56193	0.74	ng/uL		93
40) 2-Methylnaphthalene	12.197	142	173905	0.87	ng/uL		96
41) 1-Methylnaphthalene	12.418	142	163742	0.88	ng/uL	#	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:32:34 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.126	168	13427	1.10 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.593	216	78132	0.92 ng/uL	97
45) Hexachlorocyclopentadiene	12.587	237	34724	1.24 ng/uL	95
46) 2,4,6-Trichlorophenol	12.879	196	36754	0.77 ng/uL	90
47) 2,4,5-Trichlorophenol	12.954	196	33802	0.73 ng/uL	85
49) 2-Chloronaphthalene	13.328	162	152633	0.88 ng/uL	95
50) 1,1'-Biphenyl	13.322	154	190434	0.89 ng/uL	97
51) 2-Nitroaniline	13.596	138	24473	1.04 ng/uL	94
52) Acenaphthylene	14.295	152	212150	0.80 ng/uL#	81
53) 2,6-Dinitrotoluene	14.225	165	23708	0.65 ng/uL	92
54) Dimethyl Phthalate	14.120	163	131493	0.78 ng/uL	99
55) 3-Nitroaniline	14.581	138	16501	1.18 ng/uL#	1
56) Acenaphthene	14.721	153	149800	0.90 ng/uL	97
57) 2,4-Dinitrophenol	14.878	184	5500	3.10 ng/uL#	74
58) Dibenzofuran	15.140	168	187835m	0.85 ng/uL	
59) 4-Nitrophenol	15.088	65	11269	2.04 ng/uL#	85
60) 2,4-Dinitrotoluene	15.169	165	25543	1.05 ng/uL#	52
61) 2,3,5,6-Tetrachlorophenol	15.356	232	22291	0.63 ng/uL	96
62) 2,3,4,6-Tetrachlorophenol	15.461	232	22532	0.65 ng/uL#	91
63) Fluorene	15.956	166	135556	0.78 ng/uL#	98
64) Diethyl Phthalate	15.840	149	113822	0.68 ng/uL	98
65) 4-Chlorophenyl Phenyl ...	16.026	204	71425	0.86 ng/uL#	85
66) 4-Nitroaniline	16.032	138	11811	0.46 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.131	198	6304	1.40 ng/uL#	84
69) N-Nitroso-diphenylamine	16.312	169	99046	0.85 ng/uL	99
70) 1,2-Diphenylhydrazine	16.399	182	35844	0.93 ng/uL	87
72) 4-Bromophenyl Phenyl E...	17.186	248	32044	0.87 ng/uL	91
73) Hexachlorobenzene	17.250	284	43153	1.09 ng/uL#	89
74) Atrazine	17.617	200	20169	0.62 ng/uL	89
75) Pentachlorophenol	17.699	266	12019	0.80 ng/uL#	57
76) Phenanthrene	18.084	178	174229	0.86 ng/uL	97
77) Anthracene	18.177	178	155163	0.81 ng/uL	99
78) Carbazole	18.492	167	108850	0.73 ng/uL	99
80) Di-n-butyl Phthalate	19.150	149	133211	0.65 ng/uL	99
81) Fluoroanthene	19.920	202	133565	0.75 ng/uL#	87
83) Benzidine	20.124	184	11009	0.61 ng/uL	99
84) Pyrene	20.211	202	131017	0.72 ng/uL	96
85) Butyl Benzyl Phthalate	21.021	149	41429m	0.62 ng/uL	
86) Bis(2-ethylhexyl) adipate	21.120	129	29252	0.53 ng/uL#	100
87) Benzo(a)anthracene	21.604	228	106421	0.79 ng/uL	97
88) 3,3'-Dichlorobenzidine	21.581	252	17224	1.18 ng/uL	99
89) Chrysene	21.639	228	116331	0.93 ng/uL	95
90) Bis(2-ethylhexyl)phtha...	21.645	149	49750	0.56 ng/uL	99
91) Dicyclohexyl Phthalate	21.668	149	79379	0.77 ng/uL#	100
92) Di-n-octyl Phthalate	22.344	149	59263	0.49 ng/uL	99
94) Benzo(b)fluoroanthene	22.828	252	73819	0.70 ng/uL	94
95) Benzo(k)fluoranthene	22.863	252	96539	0.92 ng/uL	92
96) Benzo(a)pyrene	23.265	252	68742	0.73 ng/uL	98
97) Indeno(1,2,3-cd)pyrene	25.061	276	52681m	0.60 ng/uL	
98) Dibenz(a,h)anthracene	25.096	278	45831m	0.63 ng/uL	
99) Benzo(g,h,i)Perylene	25.573	276	48369	0.66 ng/uL	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:32:34 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration

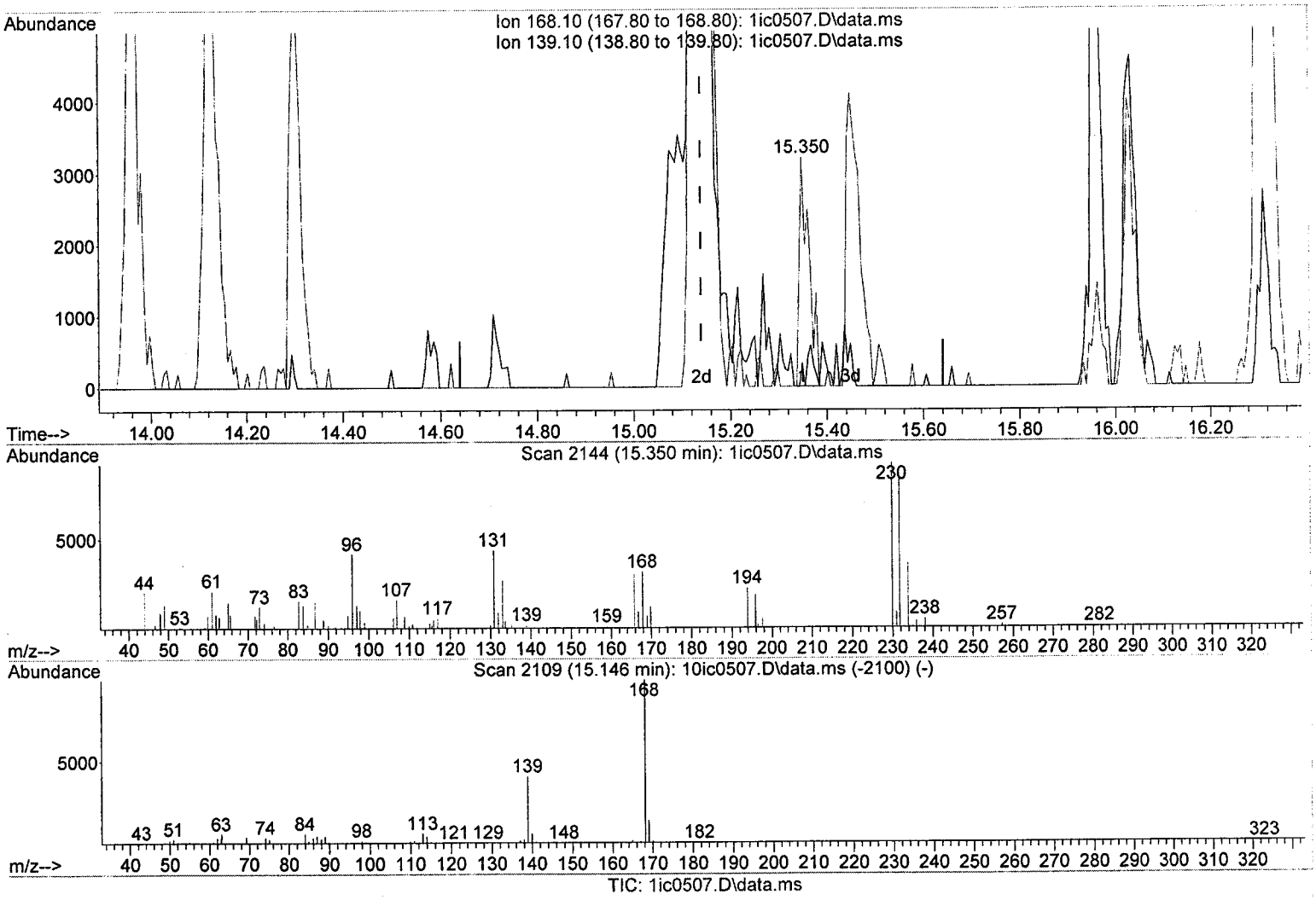
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:31:19 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration



TIC: 1ic0507.D\data.ms

(58) Dibenzofuran (P)

15.350min (+0.210) 0.02 ng/uL

response 4473

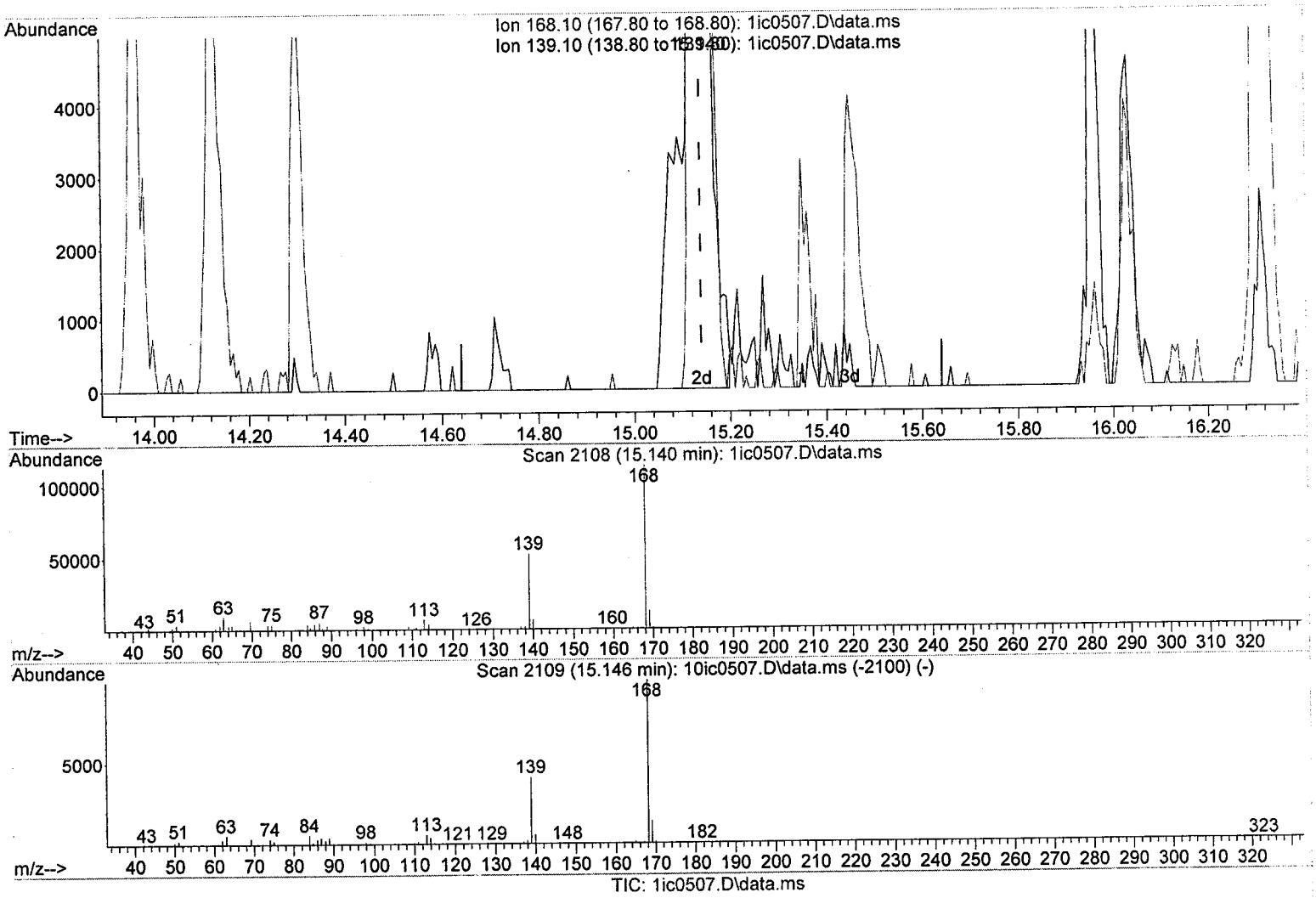
Ion	Exp%	Act%
168.10	100	100
139.10	38.20	30.61
0.00	0.00	0.00
0.00	0.00	0.00

JW 5/7/12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:31:19 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration



TIC: 1ic0507.D\data.ms

(58) Dibenzofuran (P)

15.140min (-0.000) 0.85 ng/uL m

response 187835

Ion	Exp%	Act%
168.10	100	100
139.10	38.20	0.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JWB Date: 5/7/12

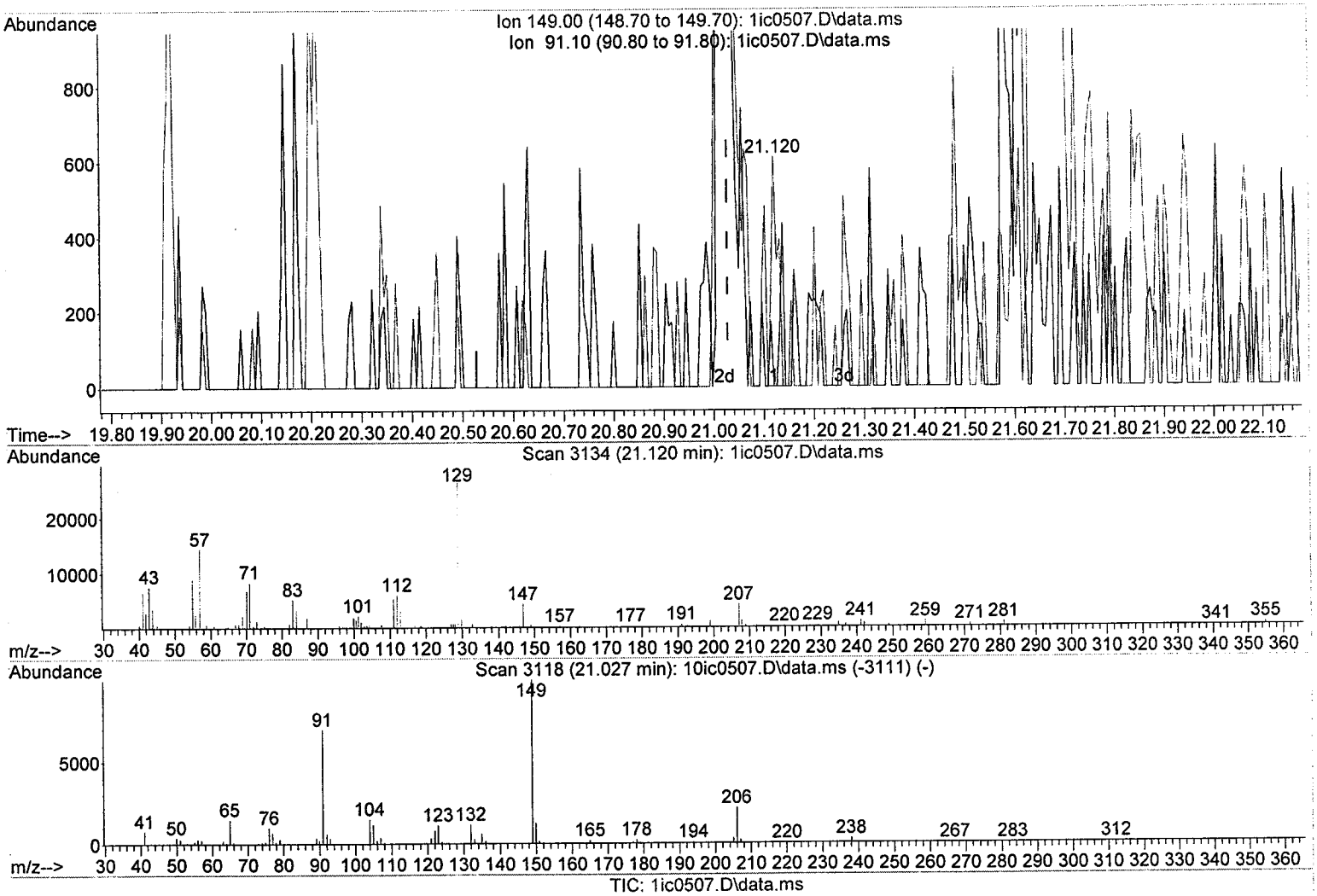
Reviewed By: [illegible] Date: 5/11/12

00617

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:31:19 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration



(85) Butyl Benzyl Phthalate

21.120min (+0.093) 0.01 ng/uL

response 555

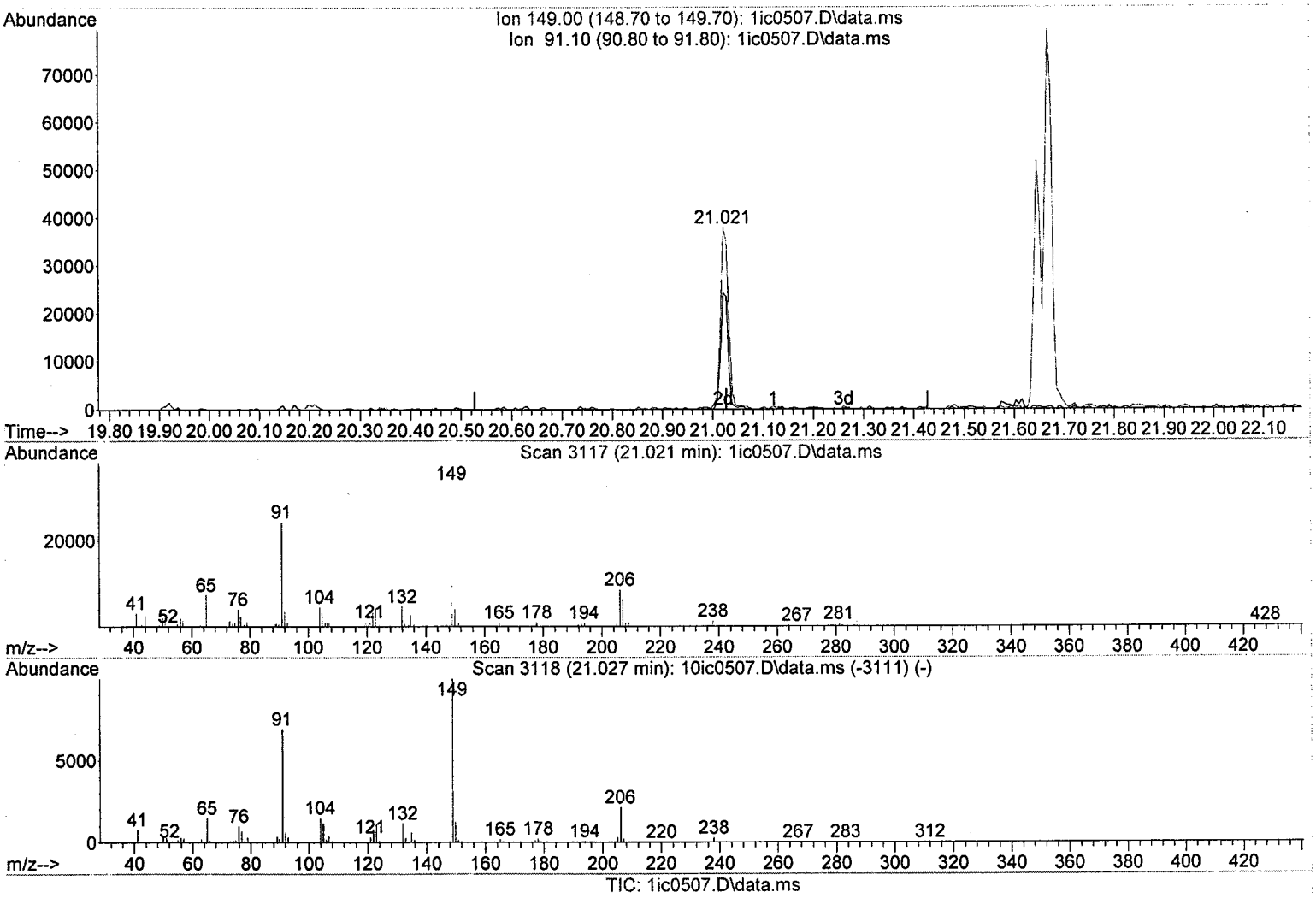
Ion	Exp%	Act%
149.00	100	100
91.10	84.40	69.19
0.00	0.00	0.00
0.00	0.00	0.00

JW
5-7-12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:31:19 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration



TIC: 1ic0507.D\data.ms

(85) Butyl Benzyl Phthalate

21.021min (-0.006) 0.62 ng/uL m

response 41429

Ion	Exp%	Act%
149.00	100	100
91.10	84.40	0.93#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JWS Date: 5-7-12

Reviewed By: a Date: 5/11

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
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Quant Time: May 07 13:31:19 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
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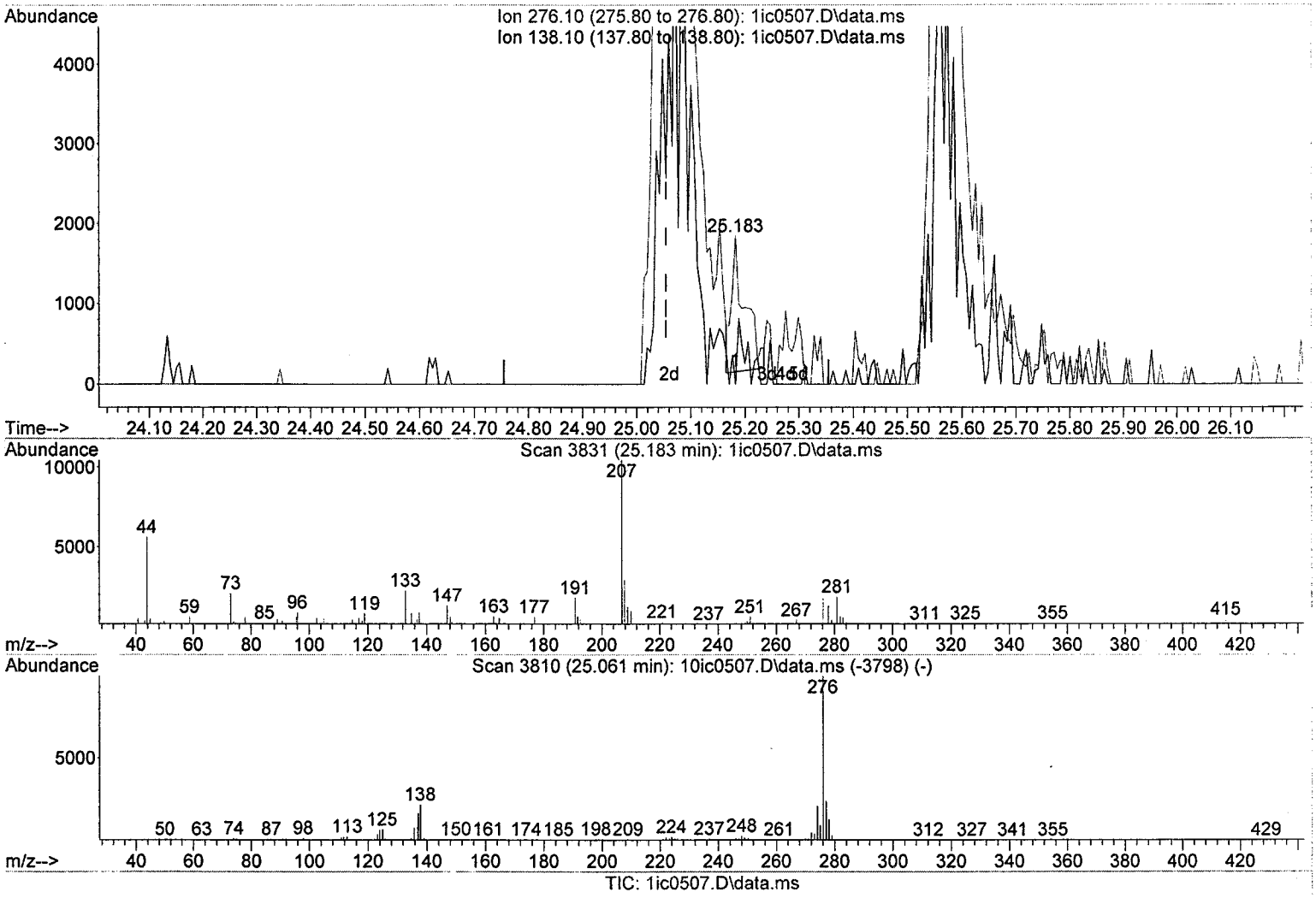
Response via : Initial Calibration



TIC: 1ic0507.D\data.ms

(97) Indeno(1,2,3-cd)pyrene

25.183min (+0.128) 0.03 ng/uL

response 2965

Ion	Exp%	Act%
276.10	100	100
138.10	28.90	28.47
0.00	0.00	0.00
0.00	0.00	0.00

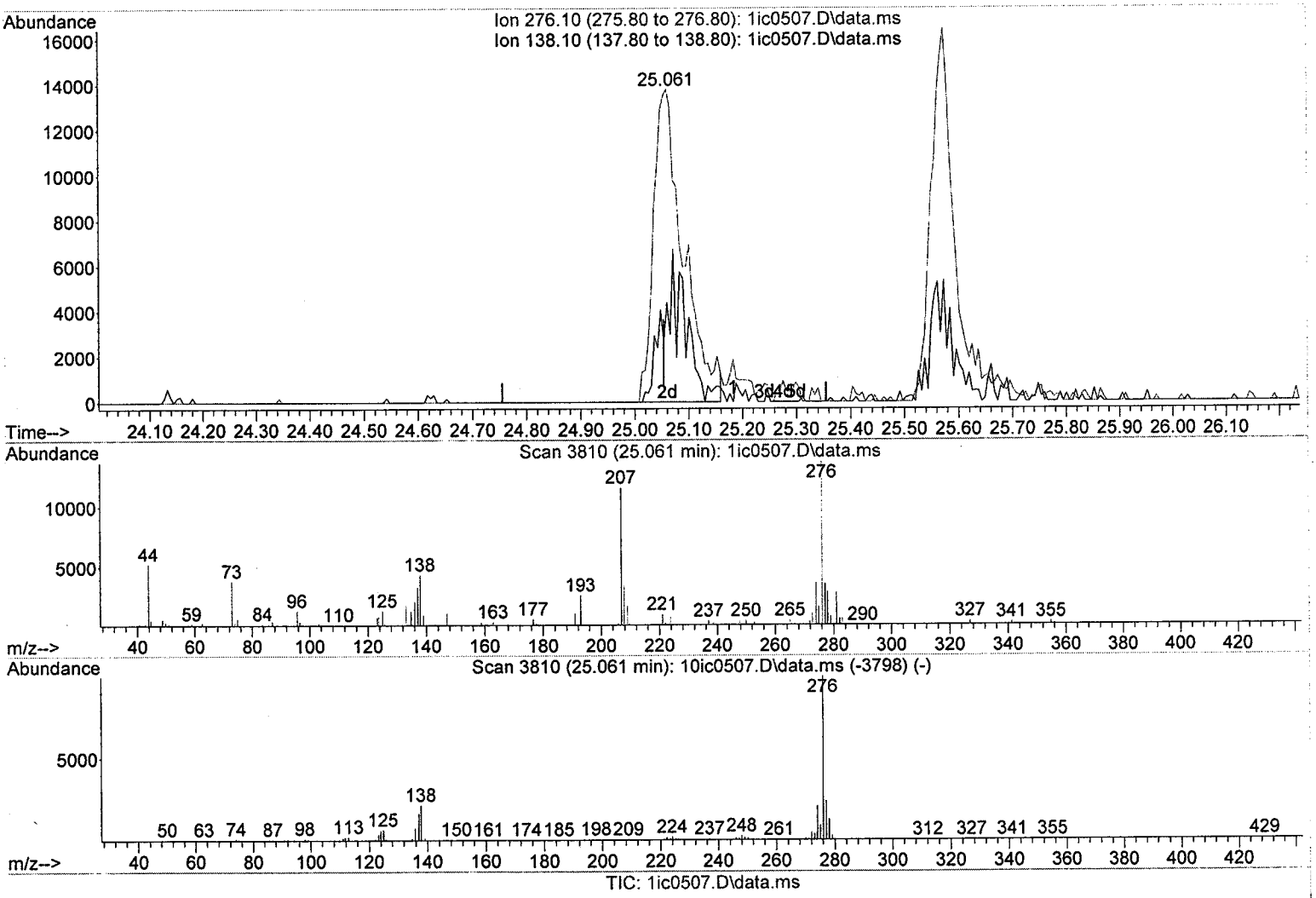
JWS 5-7-12

00620

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
Sample : 1ic0507 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 07 13:31:19 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration



TIC: 1ic0507.D\data.ms

(97) Indeno(1,2,3-cd)pyrene

25.061min (+0.006) 0.60 ng/uL m

response 52681

Ion	Exp%	Act%
276.10	100	100
138.10	28.90	1.60#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5-7-12

Reviewed By: [illegible] Date: 5/11/12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
Operator : JLB
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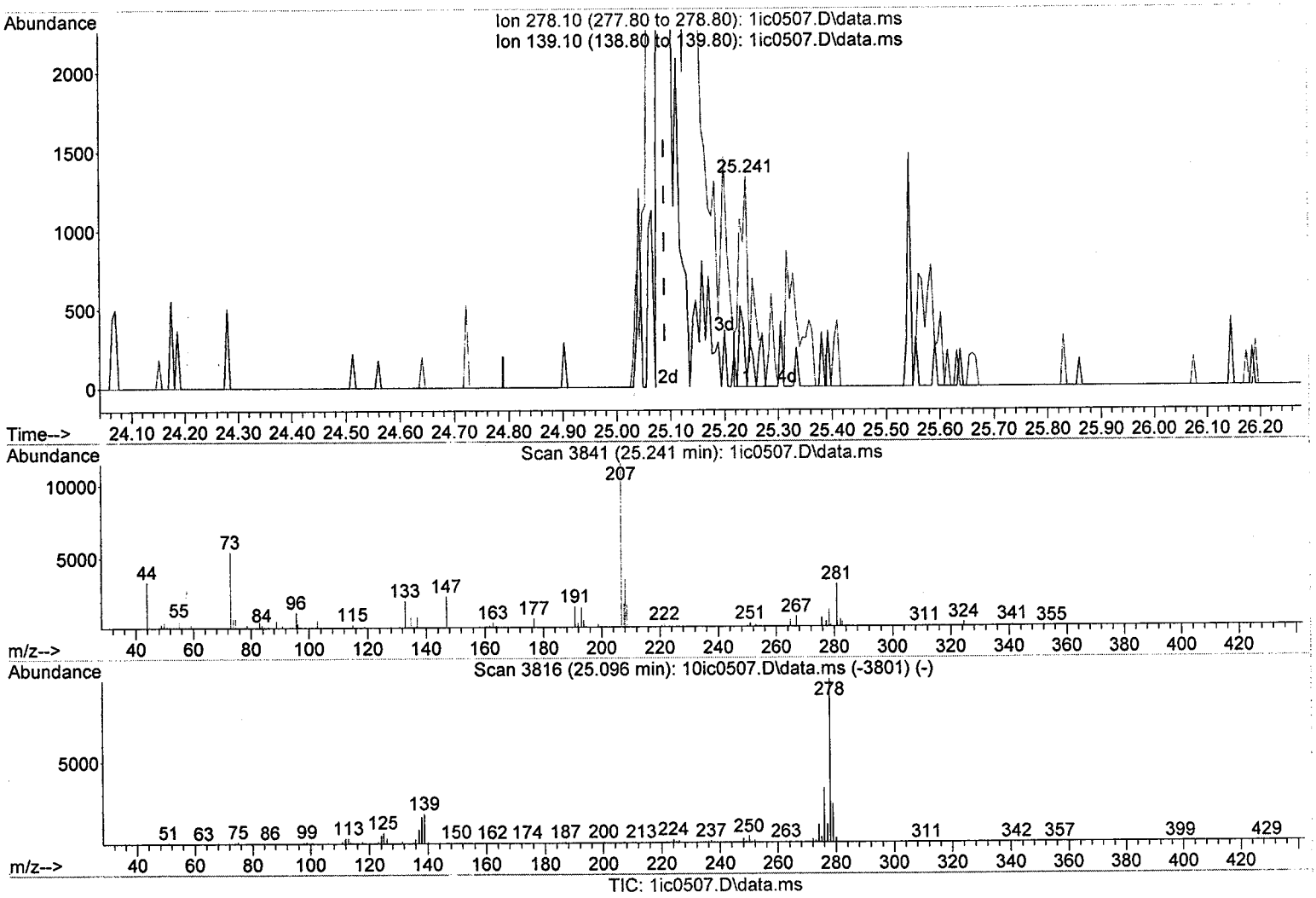

TIC: 1ic0507.D\data.ms

(98) Dibenz(a,h)anthracene

25.241min (+0.151) 0.03 ng/uL

response 1959

Ion	Exp%	Act%
278.10	100	100
139.10	17.20	20.01
0.00	0.00	0.00
0.00	0.00	0.00

JLB 5-7-12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 1ic0507.D
Acq On : 7 May 2012 10:22
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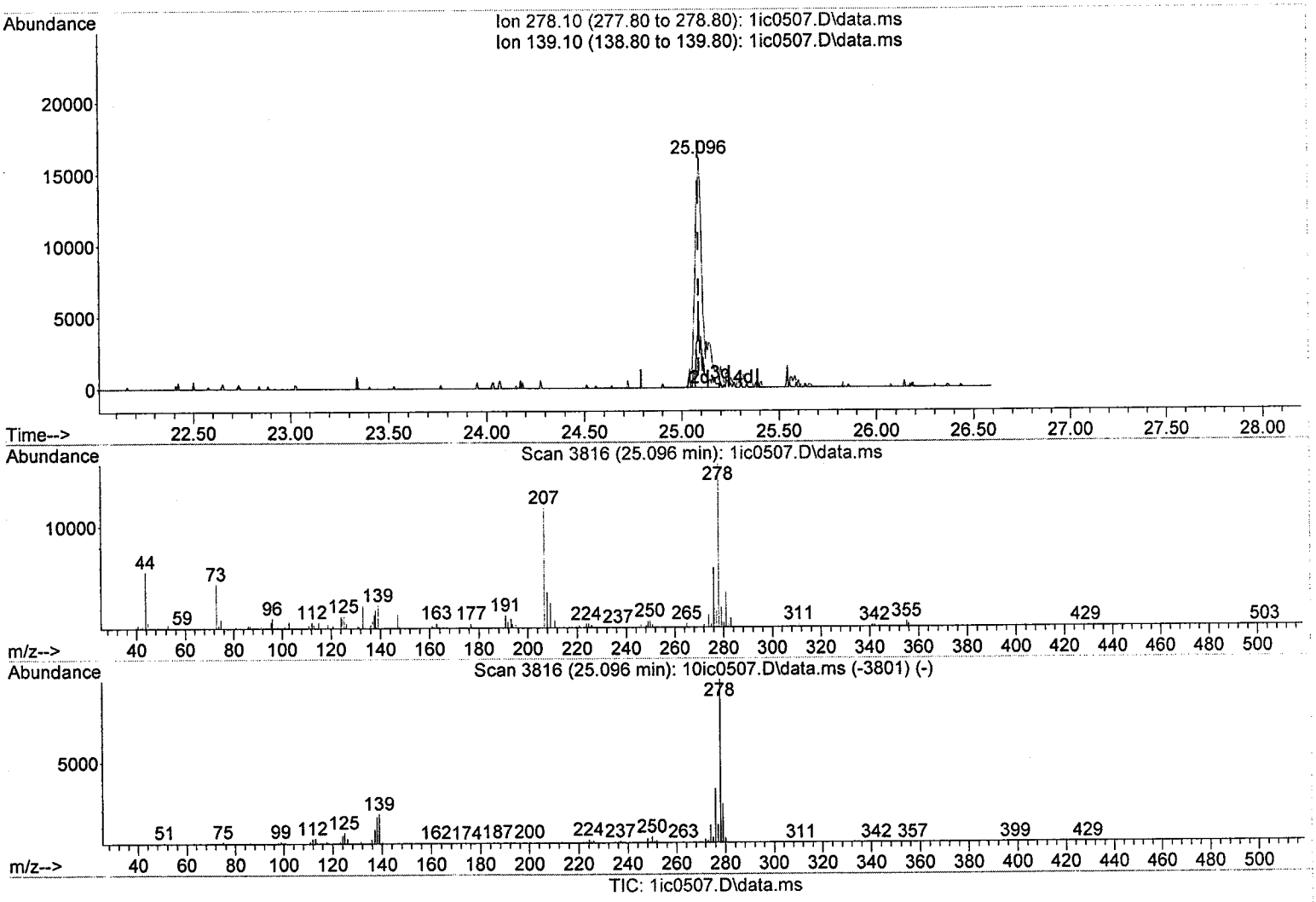
QLast Update : Mon May 07 13:31:11 2012
Response via : Initial Calibration



TIC: 1ic0507.D\data.ms

(98) Dibenz(a,h)anthracene

25.096min (+0.006) 0.63 ng/uL m

response 45831

Ion	Exp%	Act%
278.10	100	100
139.10	17.20	0.86#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

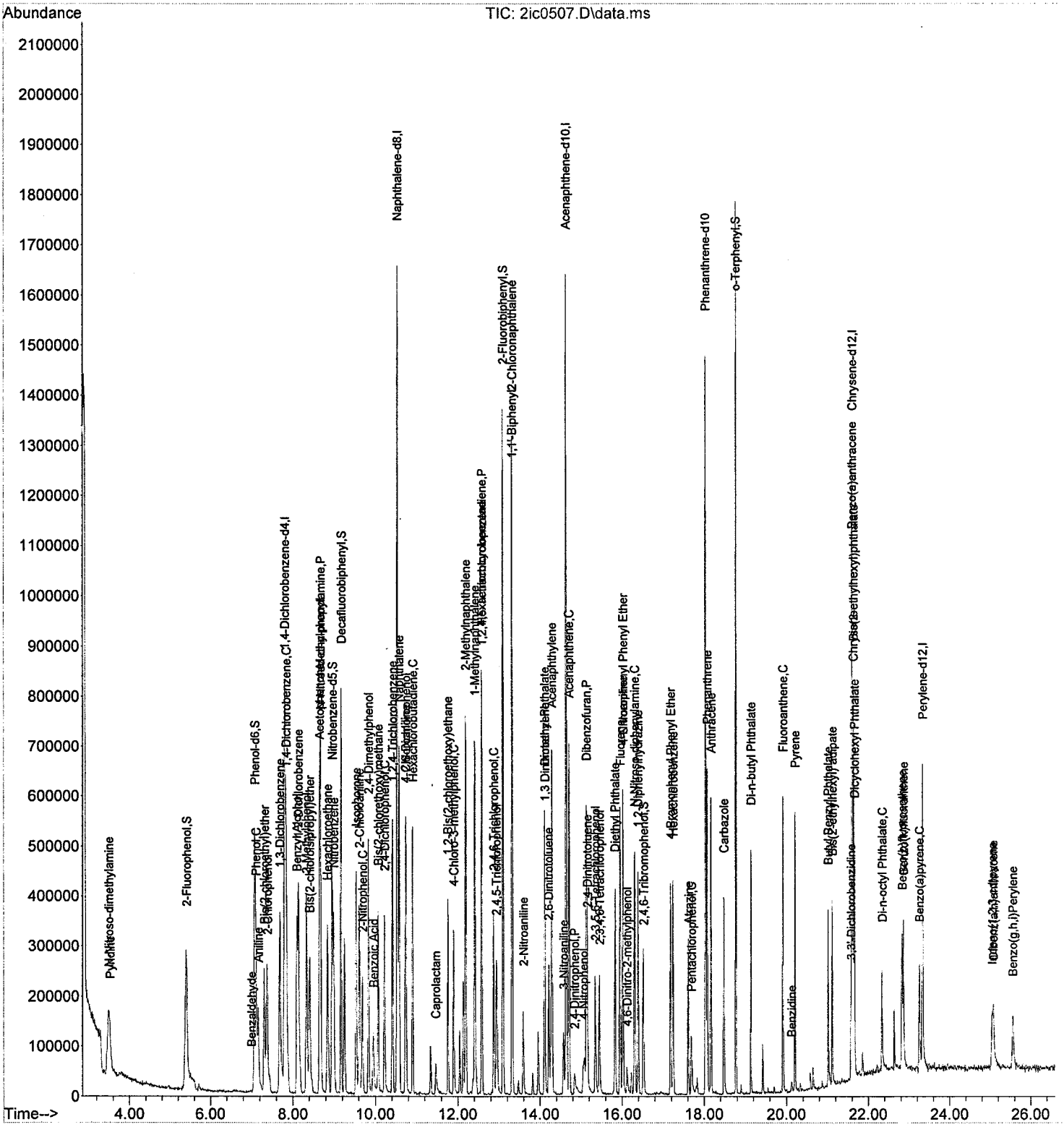
Analyst: JLB Date: 5-7-12

Reviewed By: [illegible] Date: 5/11-

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 2ic0507.D
Acq On : 7 May 2012 10:58
Operator : JLB
Sample : 2ic0507 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 13:33:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:32:51 2012
Response via : Initial Calibration



00624

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 2ic0507.D
Acq On : 7 May 2012 10:58
Operator : JLB
Sample : 2ic0507 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 13:33:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:32:51 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.808	152	319812	5.00	ng/uL	#	0.00
21) Naphthalene-d8	10.536	136	1270752	5.00	ng/uL		0.00
43) Acenaphthene-d10	14.645	164	614210	5.00	ng/uL		0.00
67) Phenanthrene-d10	18.037	188	817687	5.00	ng/uL		0.00
82) Chrysene-d12	21.610	240	409987	5.00	ng/uL	#	0.00
93) Perylene-d12	23.341	264	361621	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.412	112	325185	3.85	ng/uL		0.00
7) Phenol-d6	7.085	99	412736	4.14	ng/uL		0.00
22) Nitrobenzene-d5	8.962	82	379747	4.35	ng/uL		0.00
24) Decafluorobiphenyl	9.178	334	289169	4.69	ng/uL		0.00
48) 2-Fluorobiphenyl	13.106	172	670805	4.61	ng/uL		0.00
71) 2,4,6-Tribromophenol	16.533	330	43438	4.16	ng/uL		0.00
79) o-Terphenyl	18.777	230	381177	4.54	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.501	74	125735	2.28	ng/uL	#	74
3) Pyridine	3.530	79	233082	2.36	ng/uL		86
5) Aniline	7.173	93	117601	1.87	ng/uL	#	83
6) Benzaldehyde	7.004	105	505	0.21	ng/uL	#	1
8) Phenol	7.114	94	249631	2.18	ng/uL		90
9) Bis(2-chloroethyl)ether	7.318	93	192393	2.26	ng/uL		100
10) 2-Chlorophenol	7.388	128	185462	2.17	ng/uL	#	33
11) 1,3-Dichlorobenzene	7.691	146	237383	2.33	ng/uL		96
12) 1,4-Dichlorobenzene	7.843	146	246193	2.37	ng/uL		95
13) 1,2-Dichlorobenzene	8.140	146	216476	2.28	ng/uL		93
14) Bis(2-chloroisipropyl)...	8.420	45	249546	2.28	ng/uL	#	88
15) Benzyl Alcohol	8.105	108	112067	2.02	ng/uL		100
16) 2-Methylphenol	8.332	108	168926	2.24	ng/uL	#	90
17) Acetophenone	8.659	105	255509	2.18	ng/uL	#	81
18) Hexachloroethane	8.845	119	82166	2.19	ng/uL		97
19) 4-Methylphenol	8.676	107	170491	2.01	ng/uL	#	35
20) N-Nitroso-di-n-propyla...	8.682	70	126307	2.06	ng/uL	#	76
23) Nitrobenzene	8.997	77	223006	2.42	ng/uL	#	2
25) Isophorone	9.545	82	327367	2.20	ng/uL		97
26) 2-Chloroaniline	9.621	127	215071	2.31	ng/uL		98
27) 2-Nitrophenol	9.696	139	78370	2.00	ng/uL	#	89
28) 2,4-Dimethylphenol	9.842	107	178497	2.25	ng/uL		96
29) Bis(2-chlorethoxy)methane	10.075	93	191202	2.20	ng/uL		98
30) 2,4-Dichlorophenol	10.227	162	119687	2.05	ng/uL		99
31) Benzoic Acid	9.965	105	69028	3.72	ng/uL		91
32) 1,2,4-Trichlorobenzene	10.419	180	188764	2.41	ng/uL		94
33) Naphthalene	10.582	128	559545	2.31	ng/uL		97
34) 4-Chloroaniline	10.740	127	100009	1.85	ng/uL	#	25
35) 2,6-Dichlorophenol	10.746	162	127250	2.19	ng/uL		95
36) Hexachlorobutadiene	10.915	225	106249	2.36	ng/uL		96
37) Caprolactam	11.468	55	22510	1.84	ng/uL	#	86
38) 1,2-Bis(2-chloroethoxy...	11.766	63	144459	2.10	ng/uL	#	100
39) 4-Chloro-3-methylphenol	11.905	107	107284	1.84	ng/uL		92
40) 2-Methylnaphthalene	12.197	142	363209	2.34	ng/uL		95
41) 1-Methylnaphthalene	12.418	142	328471	2.26	ng/uL		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 2ic0507.D
Acq On : 7 May 2012 10:58
Operator : JLB
Sample : 2ic0507 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 13:33:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:32:51 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.126	168	34266	2.03 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.593	216	159713	2.50 ng/uL	99
45) Hexachlorocyclopentadiene	12.587	237	72880	2.40 ng/uL	95
46) 2,4,6-Trichlorophenol	12.879	196	73047	2.06 ng/uL	100
47) 2,4,5-Trichlorophenol	12.943	196	67660	1.96 ng/uL	98
49) 2-Chloronaphthalene	13.328	162	305977	2.36 ng/uL	93
50) 1,1'-Biphenyl	13.322	154	377582	2.36 ng/uL	97
51) 2-Nitroaniline	13.602	138	52945	1.95 ng/uL	92
52) Acenaphthylene	14.295	152	439447	2.22 ng/uL#	84
53) 2,6-Dinitrotoluene	14.219	165	51919	1.93 ng/uL#	87
54) Dimethyl Phthalate	14.120	163	260445	2.05 ng/uL	96
55) 3-Nitroaniline	14.581	138	39446	2.26 ng/uL#	1
56) Acenaphthene	14.721	153	292253	2.34 ng/uL	98
57) 2,4-Dinitrophenol	14.849	184	12922	3.62 ng/uL#	84
58) Dibenzofuran	15.140	168	373005	2.26 ng/uL	92
59) 4-Nitrophenol	15.070	65	51666	4.06 ng/uL#	57
60) 2,4-Dinitrotoluene	15.164	165	63064	2.18 ng/uL#	63
61) 2,3,5,6-Tetrachlorophenol	15.356	232	46499	1.77 ng/uL#	87
62) 2,3,4,6-Tetrachlorophenol	15.461	232	47581	1.86 ng/uL#	90
63) Fluorene	15.962	166	282883	2.17 ng/uL	98
64) Diethyl Phthalate	15.834	149	249974	2.02 ng/uL	96
65) 4-Chlorophenyl Phenyl ...	16.032	204	146614	2.36 ng/uL#	83
66) 4-Nitroaniline	16.032	138	31564	1.70 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.131	198	15458	1.95 ng/uL#	91
69) N-Nitroso-diphenylamine	16.318	169	201736	2.24 ng/uL	97
70) 1,2-Diphenylhydrazine	16.399	182	68694	2.31 ng/uL	100
72) 4-Bromophenyl Phenyl E...	17.186	248	70148	2.47 ng/uL	97
73) Hexachlorobenzene	17.250	284	83175	2.65 ng/uL#	95
74) Atrazine	17.623	200	49426	2.02 ng/uL	98
75) Pentachlorophenol	17.693	266	27760	1.78 ng/uL	96
76) Phenanthrene	18.084	178	356574	2.28 ng/uL	98
77) Anthracene	18.177	178	317686	2.15 ng/uL#	95
78) Carbazole	18.486	167	225938	2.03 ng/uL	98
80) Di-n-butyl Phthalate	19.145	149	293255	1.90 ng/uL	100
81) Fluoroanthene	19.920	202	275891	2.05 ng/uL#	88
83) Benzidine	20.130	184	15723	1.12 ng/uL	95
84) Pyrene	20.211	202	279348	2.04 ng/uL#	91
85) Butyl Benzyl Phthalate	21.021	149	84663	1.71 ng/uL	86
86) Bis(2-ethylhexyl) adipate	21.121	129	67510	1.67 ng/uL#	100
87) Benzo(a)anthracene	21.604	228	216923	2.14 ng/uL	98
88) 3,3'-Dichlorobenzidine	21.581	252	37184	2.05 ng/uL	89
89) Chrysene	21.639	228	208392	2.16 ng/uL	98
90) Bis(2-ethylhexyl)phtha...	21.645	149	107788	1.64 ng/uL	99
91) Dicyclohexyl Phthalate	21.668	149	172361	2.20 ng/uL#	100
92) Di-n-octyl Phthalate	22.345	149	140440	1.57 ng/uL	100
94) Benzo(b)fluoroanthene	22.834	252	163141	2.07 ng/uL#	95
95) Benzo(k)fluoranthene	22.869	252	176357	2.18 ng/uL#	91
96) Benzo(a)pyrene	23.260	252	135447	1.90 ng/uL#	87
97) Indeno(1,2,3-cd)pyrene	25.055	276	117872	1.80 ng/uL#	88
98) Dibenz(a,h)anthracene	25.084	278	102778	1.92 ng/uL	96
99) Benzo(g,h,i)Perylene	25.562	276	103716	1.91 ng/uL	99

00626

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 2ic0507.D
Acq On : 7 May 2012 10:58
Operator : JLB
Sample : 2ic0507 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 07 13:33:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:32:51 2012
Response via : Initial Calibration

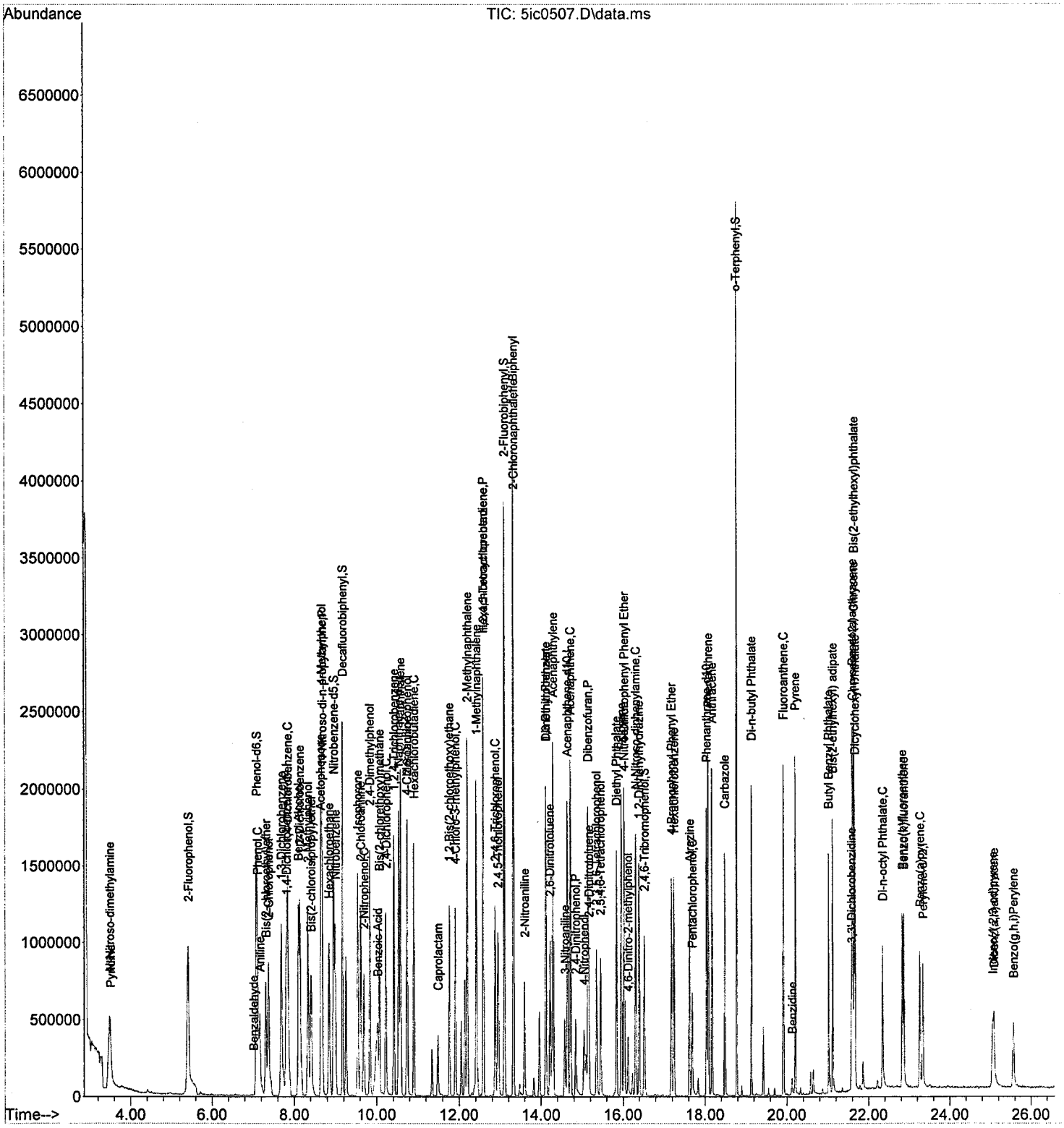
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 5ic0507.D
Acq On : 7 May 2012 11:33
Operator : JLB
Sample : 5ic0507 Inst : 308
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 13:34:28 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:34:09 2012
Response via : Initial Calibration



00628

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 5ic0507.D
Acq On : 7 May 2012 11:33
Operator : JLB
Sample : 5ic0507 Inst : 308
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 13:34:28 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:34:09 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.814	152	352817	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.536	136	1440851	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.645	164	722279	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.043	188	1049443	5.00	ng/uL	0.00
82) Chrysene-d12	21.610	240	532606	5.00	ng/uL	# 0.00
93) Perylene-d12	23.341	264	463485	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.418	112	1107062	11.86	ng/uL	0.00
7) Phenol-d6	7.091	99	1243998	11.18	ng/uL	0.00
22) Nitrobenzene-d5	8.962	82	1179689	11.73	ng/uL	0.00
24) Decafluorobiphenyl	9.178	334	851341	11.78	ng/uL	0.00
48) 2-Fluorobiphenyl	13.106	172	2039737	11.63	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.528	330	157468	11.54	ng/uL	0.00
79) o-Terphenyl	18.777	230	1246727	11.32	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.495	74	380091m	6.10	ng/uL	
3) Pyridine	3.512	79	714131	6.38	ng/uL	89
5) Aniline	7.173	93	412912	4.19	ng/uL	91
6) Benzaldehyde	7.015	105	463	0.19	ng/uL#	56
8) Phenol	7.114	94	767835	5.90	ng/uL	90
9) Bis(2-chloroethyl)ether	7.318	93	578016	5.98	ng/uL	100
10) 2-Chlorophenol	7.382	128	593347	6.14	ng/uL#	41
11) 1,3-Dichlorobenzene	7.691	146	713035	6.13	ng/uL	97
12) 1,4-Dichlorobenzene	7.843	146	744949	6.28	ng/uL	98
13) 1,2-Dichlorobenzene	8.140	146	662925	6.16	ng/uL	96
14) Bis(2-chloroisipropyl)...	8.420	45	747801	6.02	ng/uL	92
15) Benzyl Alcohol	8.105	108	383201	6.17	ng/uL	99
16) 2-Methylphenol	8.338	108	515785	6.04	ng/uL#	91
17) Acetophenone	8.653	105	799211	6.03	ng/uL#	79
18) Hexachloroethane	8.851	119	258998	6.11	ng/uL	95
19) 4-Methylphenol	8.676	107	562515	5.95	ng/uL#	39
20) N-Nitroso-di-n-propyla...	8.688	70	422683	6.16	ng/uL#	78
23) Nitrobenzene	9.003	77	695738	6.41	ng/uL#	4
25) Isophorone	9.545	82	1079888	6.23	ng/uL	97
26) 2-Chloroaniline	9.621	127	663914	5.44	ng/uL	96
27) 2-Nitrophenol	9.696	139	282029	6.20	ng/uL#	89
28) 2,4-Dimethylphenol	9.842	107	580518	6.19	ng/uL	93
29) Bis(2-chlorethoxy)methane	10.075	93	609252	6.03	ng/uL	99
30) 2,4-Dichlorophenol	10.233	162	421651	6.26	ng/uL	96
31) Benzoic Acid	10.035	105	526026	10.10	ng/uL	97
32) 1,2,4-Trichlorobenzene	10.425	180	556164	6.01	ng/uL	99
33) Naphthalene	10.582	128	1719083	6.05	ng/uL	97
34) 4-Chloroaniline	10.740	127	347593	4.65	ng/uL#	32
35) 2,6-Dichlorophenol	10.746	162	410706	6.11	ng/uL	94
36) Hexachlorobutadiene	10.915	225	327019	6.14	ng/uL	96
37) Caprolactam	11.492	55	112225	4.91	ng/uL	87
38) 1,2-Bis(2-chloroethoxy...	11.766	63	476512	5.99	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.911	107	406560	6.09	ng/uL	95
40) 2-Methylnaphthalene	12.203	142	1089241	5.98	ng/uL	97
41) 1-Methylnaphthalene	12.424	142	1005371	5.93	ng/uL	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 5ic0507.D
Acq On : 7 May 2012 11:33
Operator : JLB
Sample : 5ic0507 Inst : 308
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 13:34:28 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:34:09 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.126	168	141732	5.43 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.593	216	481183	6.13 ng/uL	98
45) Hexachlorocyclopentadiene	12.587	237	273615	6.27 ng/uL	99
46) 2,4,6-Trichlorophenol	12.879	196	271149	6.40 ng/uL	96
47) 2,4,5-Trichlorophenol	12.949	196	241356	5.90 ng/uL	96
49) 2-Chloronaphthalene	13.334	162	964998	6.12 ng/uL	94
50) 1,1'-Biphenyl	13.328	154	1197048	6.15 ng/uL	99
51) 2-Nitroaniline	13.602	138	218016	5.32 ng/uL	91
52) Acenaphthylene	14.301	152	1453485	6.08 ng/uL#	83
53) 2,6-Dinitrotoluene	14.225	165	197927	6.18 ng/uL	88
54) Dimethyl Phthalate	14.126	163	875234	5.75 ng/uL	94
55) 3-Nitroaniline	14.587	138	141563	5.28 ng/uL#	1
56) Acenaphthene	14.721	153	924318	6.09 ng/uL	98
57) 2,4-Dinitrophenol	14.843	184	122870	8.41 ng/uL	99
58) Dibenzofuran	15.146	168	1197363	6.01 ng/uL	91
59) 4-Nitrophenol	15.047	65	197568	9.03 ng/uL#	81
60) 2,4-Dinitrotoluene	15.170	165	228996	5.38 ng/uL#	66
61) 2,3,5,6-Tetrachlorophenol	15.350	232	184239	5.97 ng/uL#	92
62) 2,3,4,6-Tetrachlorophenol	15.449	232	178784	5.88 ng/uL#	90
63) Fluorene	15.962	166	959451	6.12 ng/uL	98
64) Diethyl Phthalate	15.840	149	909265	6.13 ng/uL	94
65) 4-Chlorophenyl Phenyl ...	16.032	204	455241	6.03 ng/uL#	84
66) 4-Nitroaniline	16.026	138	126466	5.78 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.125	198	98609	5.08 ng/uL	92
69) N-Nitroso-diphenylamine	16.318	169	712574	5.98 ng/uL	98
70) 1,2-Diphenylhydrazine	16.399	182	243509	6.16 ng/uL	100
72) 4-Bromophenyl Phenyl E...	17.186	248	238737	6.26 ng/uL	98
73) Hexachlorobenzene	17.250	284	262496	6.15 ng/uL#	94
74) Atrazine	17.623	200	190676	6.01 ng/uL	98
75) Pentachlorophenol	17.688	266	119726	5.12 ng/uL	96
76) Phenanthrene	18.084	178	1181717	5.78 ng/uL	97
77) Anthracene	18.177	178	1172661	6.06 ng/uL	98
78) Carbazole	18.486	167	867592	6.07 ng/uL	98
80) Di-n-butyl Phthalate	19.145	149	1214743	6.14 ng/uL	100
81) Fluoroanthene	19.920	202	1040300	5.96 ng/uL#	86
83) Benzidine	20.130	184	73018	3.97 ng/uL#	89
84) Pyrene	20.205	202	1070970	5.89 ng/uL#	92
85) Butyl Benzyl Phthalate	21.021	149	381976	5.97 ng/uL	87
86) Bis(2-ethylhexyl) adipate	21.121	129	307056	5.92 ng/uL#	100
87) Benzo(a)anthracene	21.604	228	785669	5.83 ng/uL	97
88) 3,3'-Dichlorobenzidine	21.581	252	158370	5.01 ng/uL	99
89) Chrysene	21.639	228	757882	5.93 ng/uL	97
90) Bis(2-ethylhexyl)phtha...	21.645	149	483527	5.79 ng/uL	96
91) Dicyclohexyl Phthalate	21.668	149	650043	6.26 ng/uL#	100
92) Di-n-octyl Phthalate	22.345	149	636705	5.61 ng/uL	99
94) Benzo(b)fluoroanthene	22.828	252	631078	6.11 ng/uL#	96
95) Benzo(k)fluoranthene	22.869	252	623873	5.86 ng/uL	94
96) Benzo(a)pyrene	23.265	252	550142	5.97 ng/uL	92
97) Indeno(1,2,3-cd)pyrene	25.061	276	465335	5.56 ng/uL#	73
98) Dibenz(a,h)anthracene	25.090	278	396436	5.75 ng/uL	99
99) Benzo(g,h,i)Perylene	25.568	276	394249	5.65 ng/uL	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 5ic0507.D
Acq On : 7 May 2012 11:33
Operator : JLB
Sample : 5ic0507 Inst : 308
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 13:34:28 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:34:09 2012
Response via : Initial Calibration

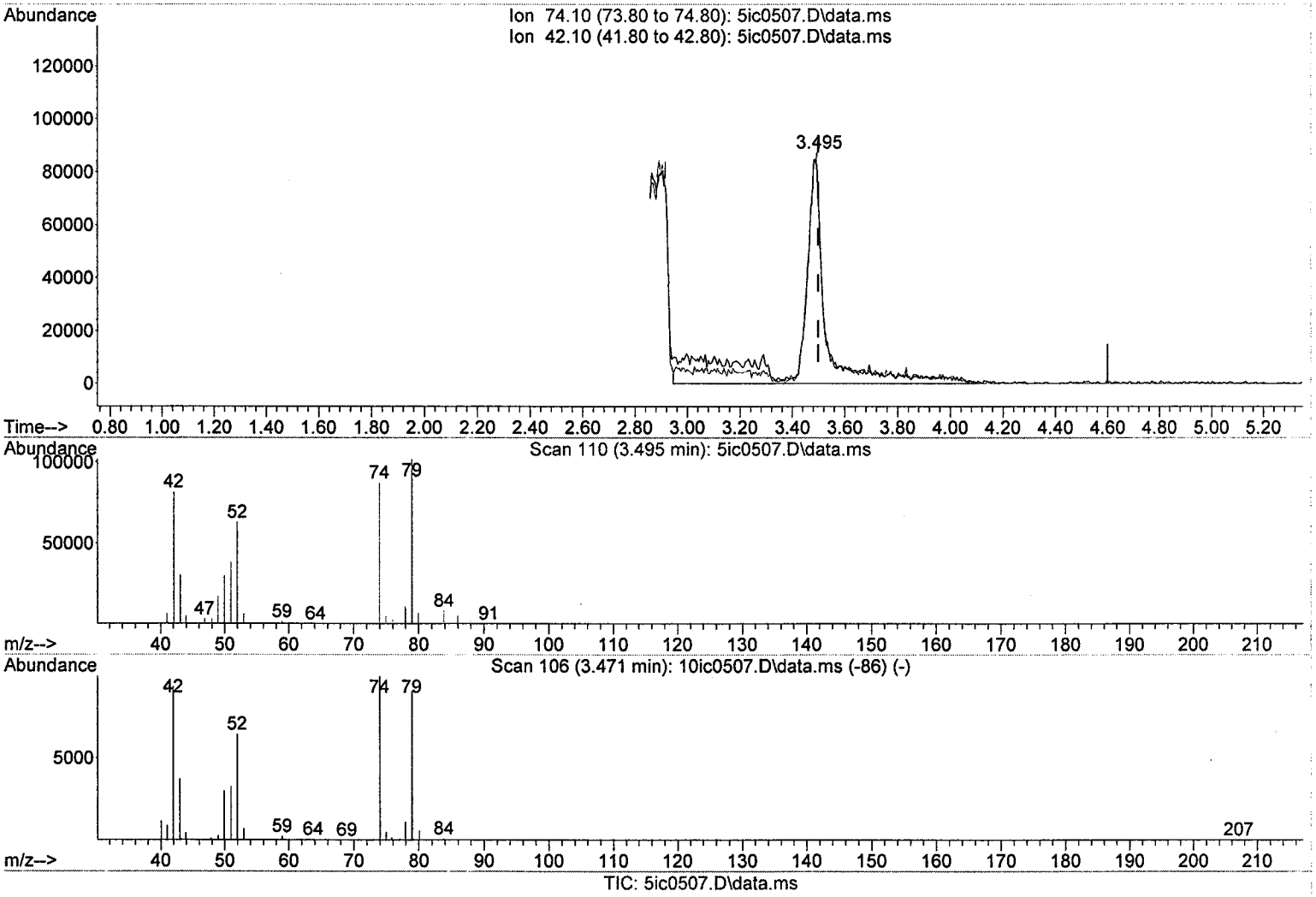
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 5ic0507.D
Acq On : 7 May 2012 11:33
Operator : JLB
Sample : 5ic0507 Inst : 308
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 13:34:17 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:34:09 2012
Response via : Initial Calibration



TIC: 5ic0507.D\data.ms

(2) N-Nitroso-dimethylamine

3.495min (-0.006) 8.24 ng/uL

response 513255

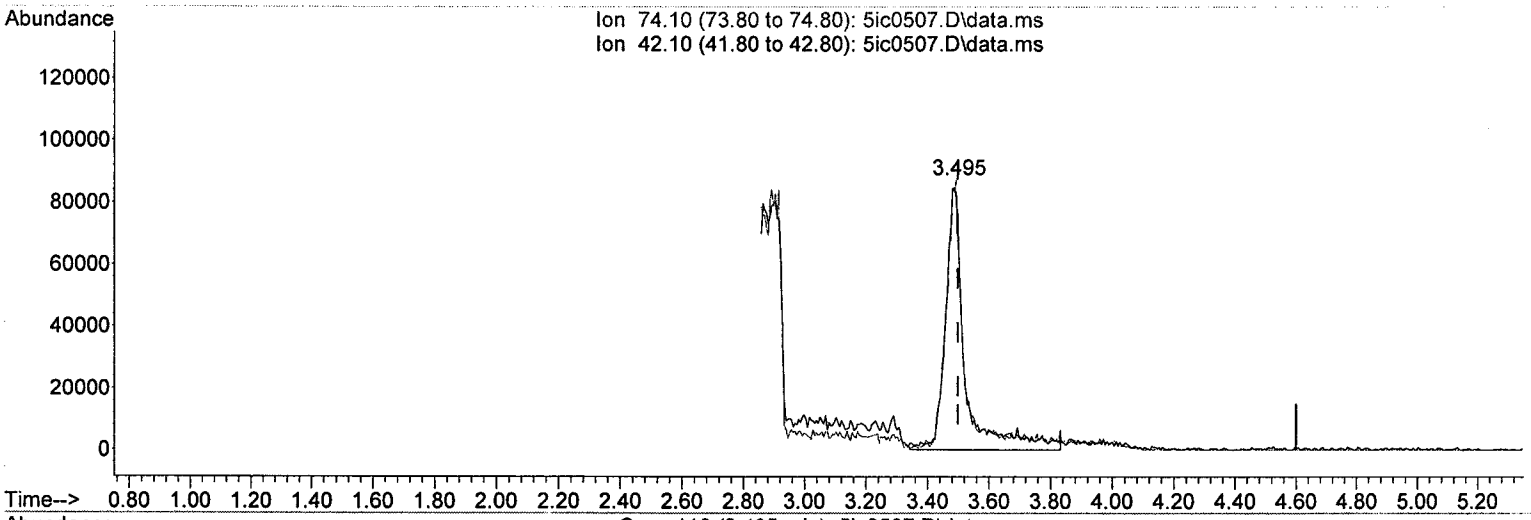
Ion	Exp%	Act%
74.10	100	100
42.10	96.80	65.42#
0.00	0.00	0.00
0.00	0.00	0.00

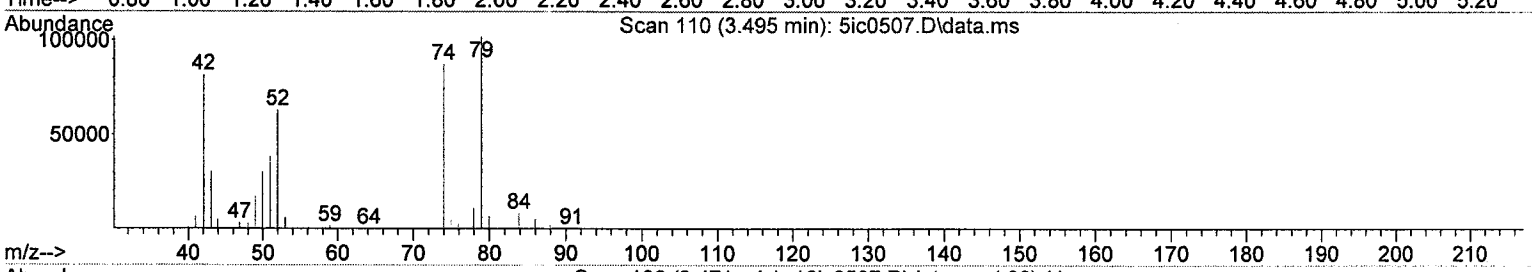
JLB 5-7-12

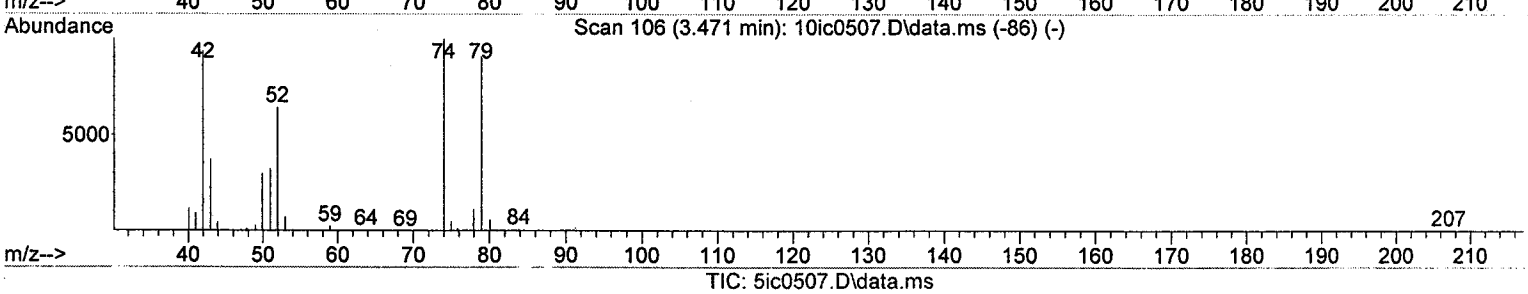
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 5ic0507.D
Acq On : 7 May 2012 11:33
Operator : JLB
Sample : 5ic0507 Inst : 308
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 07 13:34:17 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:34:09 2012
Response via : Initial Calibration







(2) N-Nitroso-dimethylamine

3.495min (-0.006) 6.10 ng/uL m

response 380091

Ion	Exp%	Act%
74.10	100	100
42.10	96.80	88.34
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

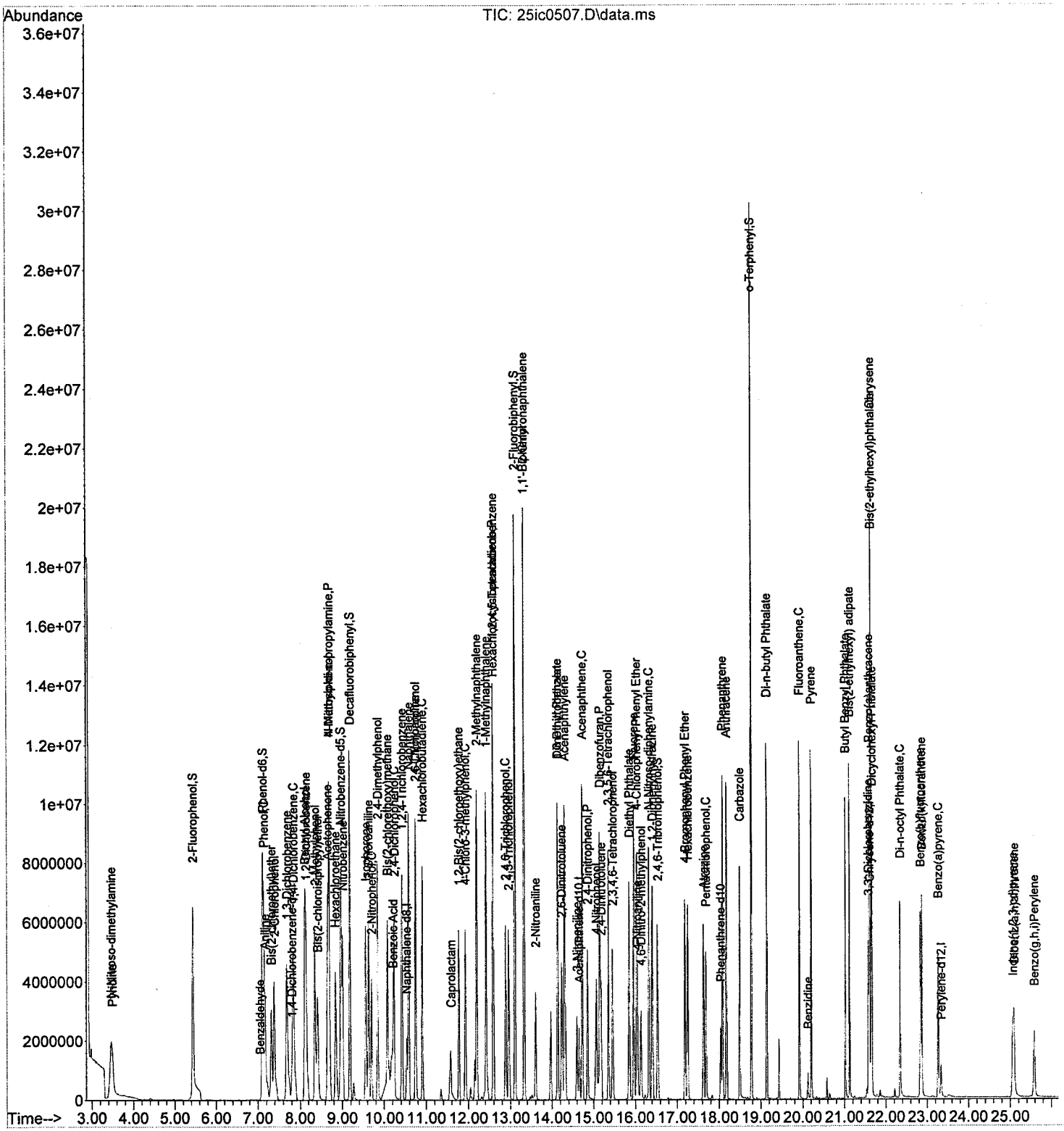
Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 5-7-12
Reviewed By: [illegible] Date: [illegible]

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:43:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:43:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	378497	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.541	136	1628526	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.656	164	921492	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.043	188	1349731	5.00	ng/uL	0.00
82) Chrysene-d12	21.616	240	761181	5.00	ng/uL	# 0.00
93) Perylene-d12	23.341	264	617752	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.441	112	5603537	56.42	ng/uL	0.00
7) Phenol-d6	7.120	99	6363440	54.39	ng/uL	0.01
22) Nitrobenzene-d5	8.974	82	6098813	52.83	ng/uL	0.00
24) Decafluorobiphenyl	9.189	334	4629955	54.15	ng/uL	0.00
48) 2-Fluorobiphenyl	13.118	172	10674679	46.94	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.545	330	939972	52.68	ng/uL	0.00
79) o-Terphenyl	18.783	230	7249053	50.72	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.465	74	1777049m	26.42	ng/uL	
3) Pyridine	3.495	79	3306625	26.41	ng/uL	91
5) Aniline	7.172	93	3501472	29.17	ng/uL#	21
6) Benzaldehyde	7.056	105	2654	2.50	ng/uL#	56
8) Phenol	7.143	94	3787106	26.56	ng/uL#	72
9) Bis(2-chloroethyl)ether	7.324	93	2729234	25.58	ng/uL	100
10) 2-Chlorophenol	7.394	128	2834288	26.58	ng/uL#	40
11) 1,3-Dichlorobenzene	7.691	146	3265077	25.36	ng/uL	97
12) 1,4-Dichlorobenzene	7.843	146	3314953	25.01	ng/uL	97
13) 1,2-Dichlorobenzene	8.146	146	3088352	25.75	ng/uL	95
14) Bis(2-chloroisipropyl)...	8.426	45	3504588	25.53	ng/uL	92
15) Benzyl Alcohol	8.117	108	1877549	27.41	ng/uL	98
16) 2-Methylphenol	8.362	108	2487278	26.46	ng/uL	92
17) Acetophenone	8.665	105	3904440	26.66	ng/uL#	82
18) Hexachloroethane	8.845	119	1225631	25.99	ng/uL	98
19) 4-Methylphenol	8.700	107	2799195	26.88	ng/uL#	43
20) N-Nitroso-di-n-propyla...	8.700	70	2047074	26.93	ng/uL#	79
23) Nitrobenzene	9.014	77	3176054	24.51	ng/uL#	1
25) Isophorone	9.562	82	5263123	25.89	ng/uL	98
26) 2-Chloroaniline	9.632	127	3533849	25.08	ng/uL	98
27) 2-Nitrophenol	9.708	139	1460147	27.59	ng/uL#	87
28) 2,4-Dimethylphenol	9.854	107	2834502	25.46	ng/uL	93
29) Bis(2-chlorethoxy)methane	10.087	93	2946948	25.01	ng/uL	100
30) 2,4-Dichlorophenol	10.244	162	1996175	25.33	ng/uL	98
31) Benzoic Acid	10.221	105	3634008m	48.03	ng/uL	
32) 1,2,4-Trichlorobenzene	10.431	180	2619751	23.94	ng/uL	98
33) Naphthalene	10.594	128	8012474	23.95	ng/uL	98
34) 4-Chloroaniline	10.751	127	2378043	27.83	ng/uL#	69
35) 2,6-Dichlorophenol	10.757	162	2039968	25.96	ng/uL	94
36) Hexachlorobutadiene	10.914	225	1531018	24.42	ng/uL	96
37) Caprolactam	11.585	55	767125	24.78	ng/uL	91
38) 1,2-Bis(2-chloroethoxy...	11.777	63	2407961	25.91	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.934	107	2096952	27.22	ng/uL	96
40) 2-Methylnaphthalene	12.208	142	5248275	24.50	ng/uL	97
41) 1-Methylnaphthalene	12.430	142	4877793	24.52	ng/uL	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:43:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.144	168	816729	24.89	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.599	216	2384413	22.56	ng/uL	99
45) Hexachlorocyclopentadiene	12.593	237	1571932	24.82	ng/uL	99
46) 2,4,6-Trichlorophenol	12.890	196	1367062	24.43	ng/uL	98
47) 2,4,5-Trichlorophenol	12.960	196	1327665	25.08	ng/uL	98
49) 2-Chloronaphthalene	13.339	162	4817757	22.92	ng/uL	97
50) 1,1'-Biphenyl	13.333	154	5986273	23.03	ng/uL	98
51) 2-Nitroaniline	13.613	138	1287362	22.64	ng/uL	98
52) Acenaphthylene	14.313	152	7338256	23.27	ng/uL#	83
53) 2,6-Dinitrotoluene	14.243	165	1070630	25.69	ng/uL	93
54) Dimethyl Phthalate	14.144	163	4997493	25.17	ng/uL	96
55) 3-Nitroaniline	14.604	138	853835	23.44	ng/uL#	1
56) Acenaphthene	14.732	153	4654814	23.15	ng/uL	99
57) 2,4-Dinitrophenol	14.860	184	1232927	45.34	ng/uL	96
58) Dibenzofuran	15.158	168	6027694	22.97	ng/uL	95
59) 4-Nitrophenol	15.070	65	1500654	44.62	ng/uL#	85
60) 2,4-Dinitrotoluene	15.187	165	1308913	21.94	ng/uL#	73
61) 2,3,5,6-Tetrachlorophenol	15.362	232	1329639	33.07	ng/uL	97
62) 2,3,4,6-Tetrachlorophenol	15.467	232	1031893	26.09	ng/uL#	92
63) Fluorene	15.974	166	4955791	23.98	ng/uL	99
64) Diethyl Phthalate	15.863	149	4924629	25.29	ng/uL	95
65) 4-Chlorophenyl Phenyl ...	16.038	204	2258172	22.61	ng/uL	88
66) 4-Nitroaniline	16.055	138	747572	26.46	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.143	198	729619	23.58	ng/uL#	88
69) N-Nitroso-diphenylamine	16.335	169	3906989	24.59	ng/uL	100
70) 1,2-Diphenylhydrazine	16.417	182	1253365	23.53	ng/uL	94
72) 4-Bromophenyl Phenyl E...	17.198	248	1244559	24.27	ng/uL	97
73) Hexachlorobenzene	17.262	284	1282496	22.06	ng/uL#	94
74) Atrazine	17.641	200	1083955	26.21	ng/uL	98
75) Pentachlorophenol	17.693	266	752308	23.41	ng/uL	96
76) Phenanthrene	18.090	178	6111993	22.54	ng/uL	98
77) Anthracene	18.183	178	6092327	23.63	ng/uL	98
78) Carbazole	18.498	167	4780912	25.01	ng/uL	99
80) Di-n-butyl Phthalate	19.150	149	6823792	26.28	ng/uL	99
81) Fluoroanthene	19.926	202	5869236	25.28	ng/uL#	87
83) Benzidine	20.130	184	458228	19.39	ng/uL#	90
84) Pyrene	20.211	202	5826348	21.87	ng/uL#	92
85) Butyl Benzyl Phthalate	21.027	149	2362549	25.62	ng/uL	86
86) Bis(2-ethylhexyl) adipate	21.126	129	1848705	25.64	ng/uL#	100
87) Benzo(a)anthracene	21.604	228	4461715	22.64	ng/uL	97
88) 3,3'-Dichlorobenzidine	21.581	252	1185633	24.16	ng/uL	99
89) Chrysene	21.645	228	4237690	22.29	ng/uL	98
90) Bis(2-ethylhexyl)phtha...	21.651	149	2923442	25.64	ng/uL	99
91) Dicyclohexyl Phthalate	21.674	149	3524434	22.96	ng/uL#	100
92) Di-n-octyl Phthalate	22.350	149	4114052	26.92	ng/uL	100
94) Benzo(b)fluoroanthene	22.840	252	3462345	24.99	ng/uL	97
95) Benzo(k)fluoranthene	22.875	252	3363629	22.88	ng/uL#	91
96) Benzo(a)pyrene	23.271	252	3061173	24.63	ng/uL#	89
97) Indeno(1,2,3-cd)pyrene	25.066	276	2722833	25.31	ng/uL	100
98) Dibenz(a,h)anthracene	25.101	278	2257244	25.24	ng/uL	99
99) Benzo(g,h,i)Perylene	25.585	276	2134289	23.87	ng/uL	93

00636

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:43:01 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration

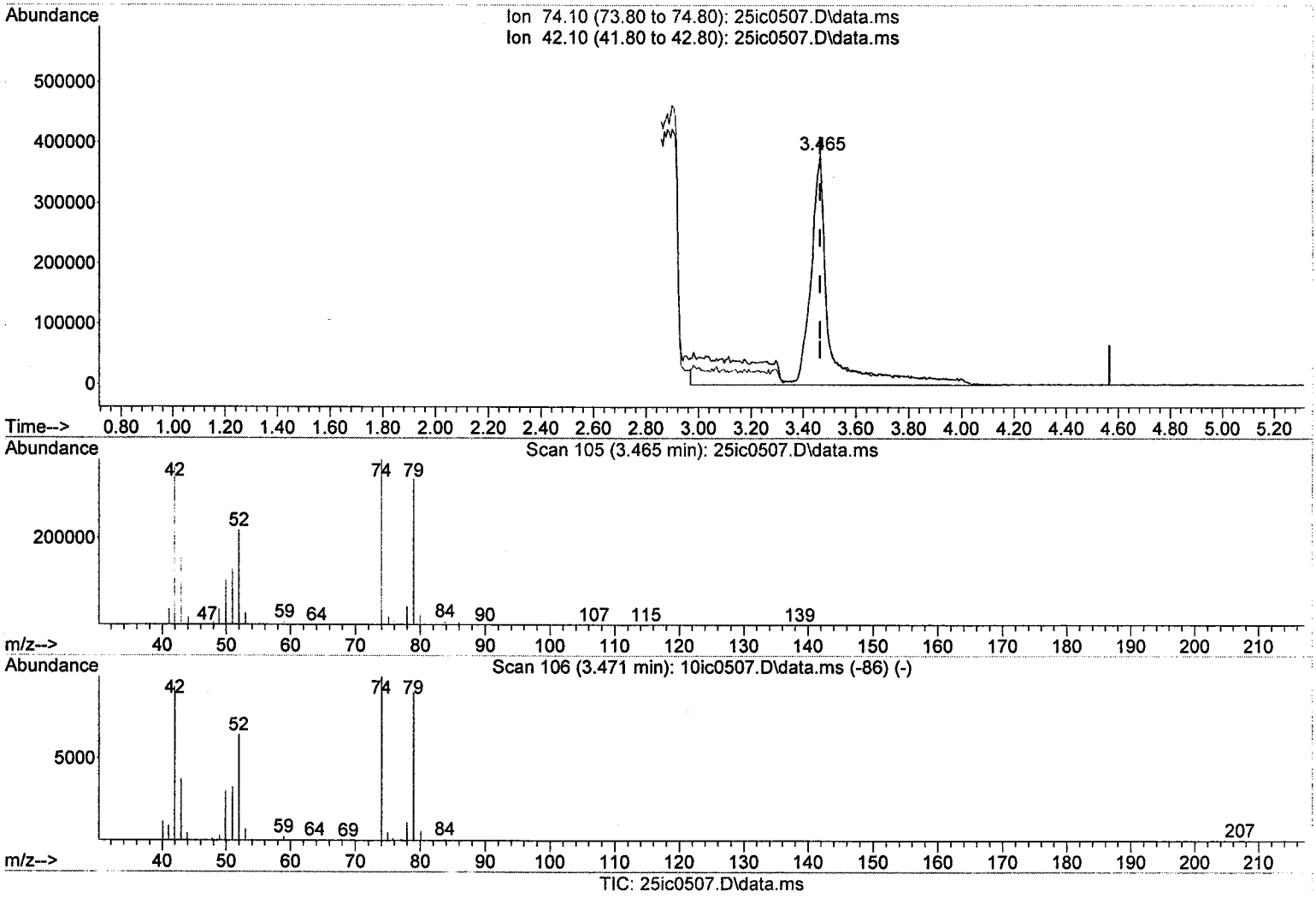
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:42:31 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration



TIC: 25ic0507.D\data.ms

(2) N-Nitroso-dimethylamine

3.465min (-0.000) 34.54 ng/uL

response 2322897

Ion	Exp%	Act%
74.10	100	100
42.10	96.80	75.93#
0.00	0.00	0.00
0.00	0.00	0.00

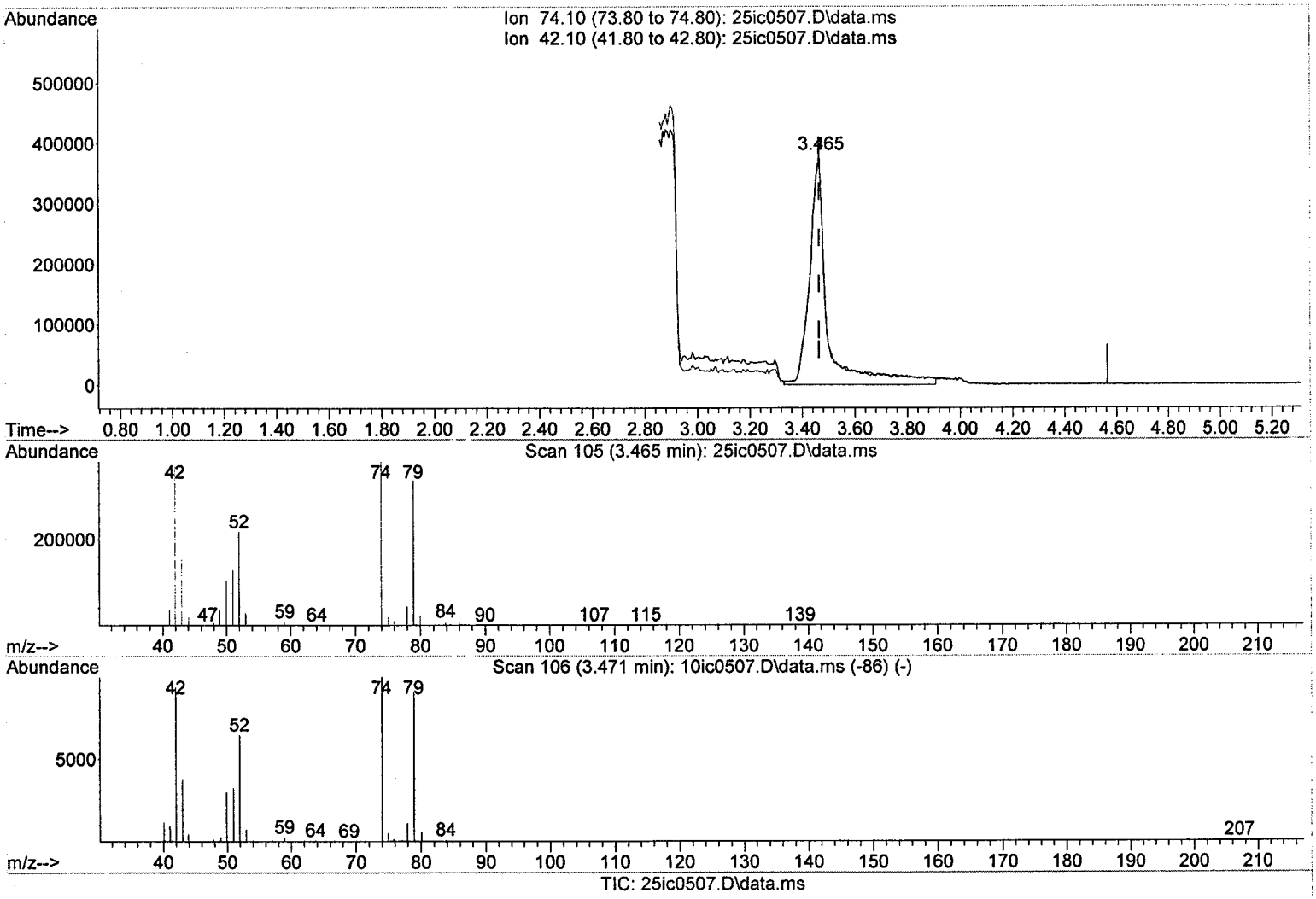
5/7/12

00638

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:42:31 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration



TIC: 25ic0507.D\data.ms

(2) N-Nitroso-dimethylamine

3.465min (-0.000) 26.42 ng/uL m

response 1777049

Ion	Exp%	Act%
74.10	100	100
42.10	96.80	99.25
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software

Flagged on Quantitation Report: Yes / No

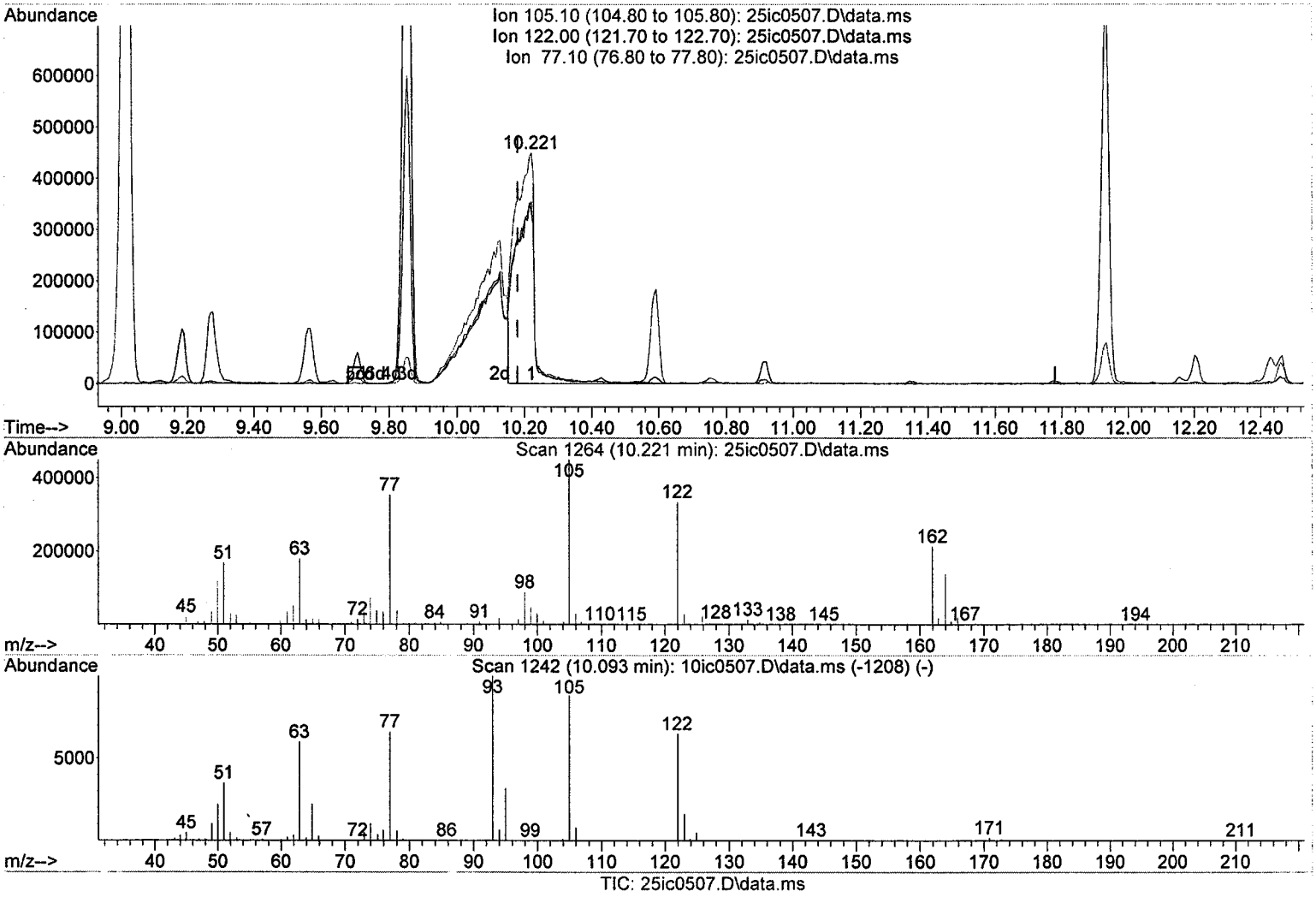
Analyst: _____ Date: 5/7/12

Reviewed By: _____ Date: 5/7/12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:42:31 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration



TIC: 25ic0507.D\data.ms

(31) Benzoic Acid

10.221min (+0.041) 25.90 ng/uL

response 1867270

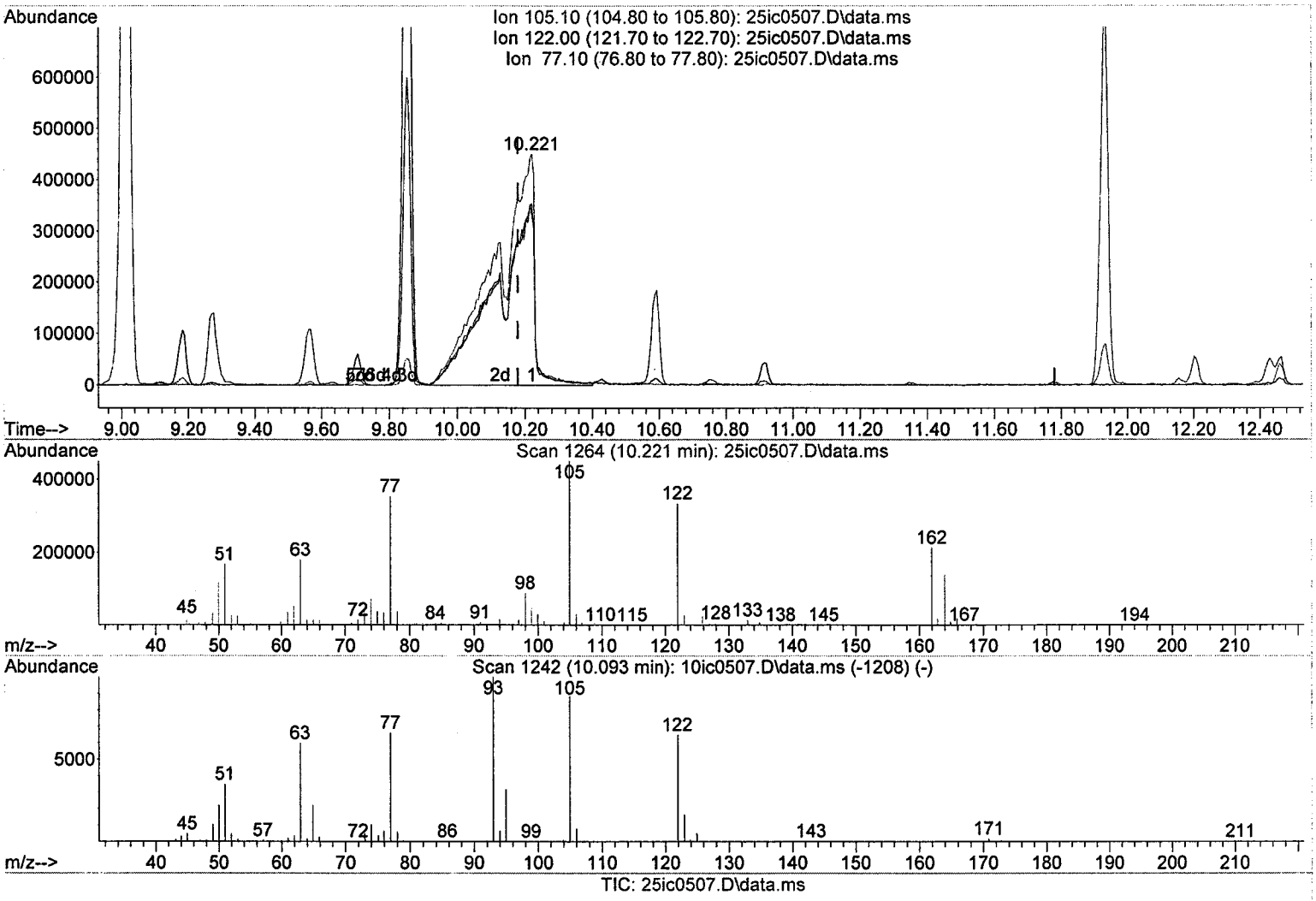
Ion	Exp%	Act%
105.10	100	100
122.00	80.10	76.06
77.10	74.70	78.04
0.00	0.00	0.00

JWS 5-7-12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 25ic0507.D
Acq On : 7 May 2012 13:19
Operator : JLB
Sample : 25ic0507 Inst : 308
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 07 13:42:31 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:38:03 2012
Response via : Initial Calibration



TIC: 25ic0507.D\data.ms

(31) Benzoic Acid

10.221min (+0.041) 48.03 ng/uL m

response 3634008

Ion	Exp%	Act%
105.10	100	100
122.00	80.10	39.08#
77.10	74.70	40.10#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

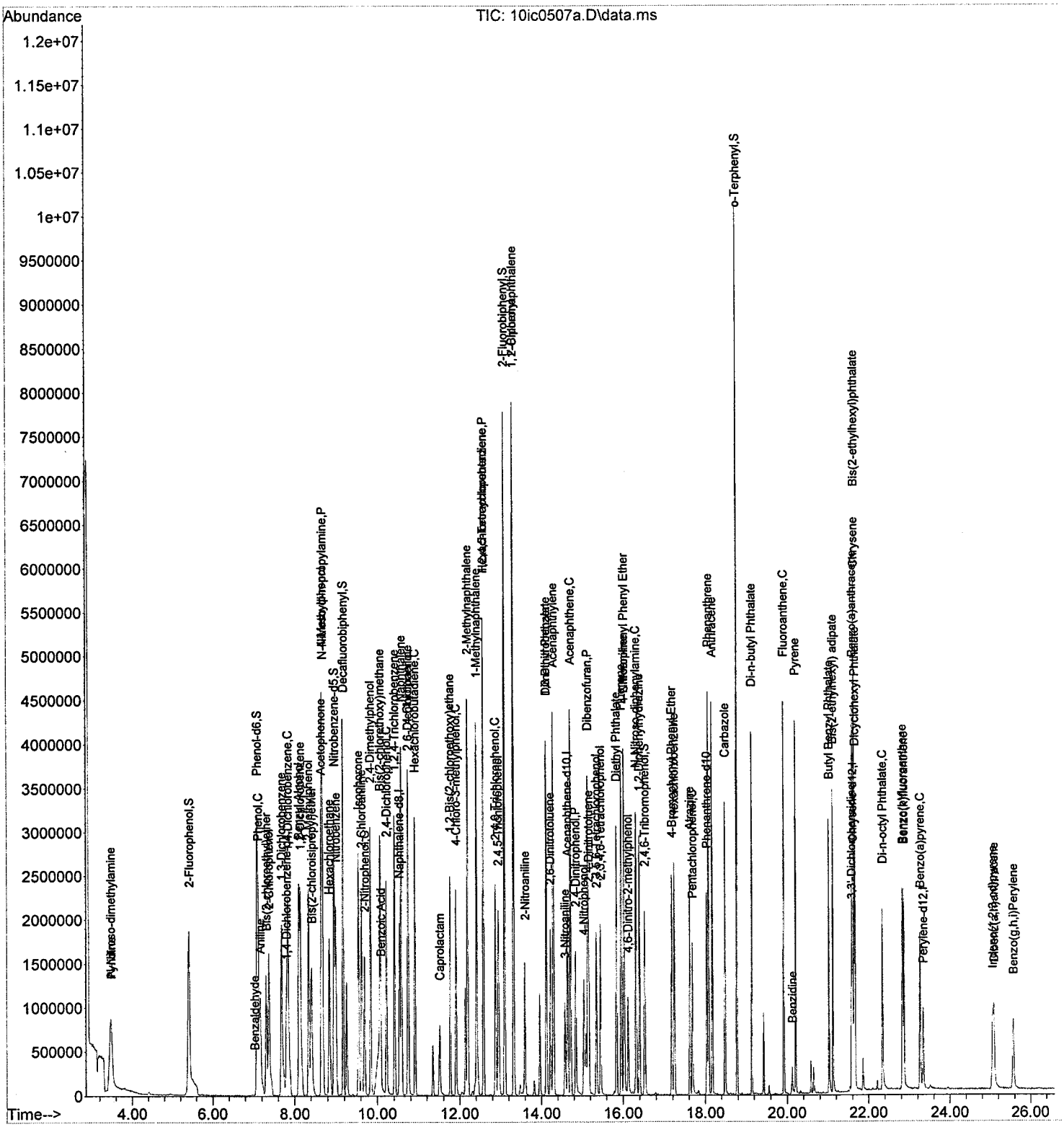
Analyst: JLB Date: 5/7/12

Reviewed By: [illegible] Date: 5/11

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10ic0507a.D
Acq On : 7 May 2012 13:53
Operator : JLB
Sample : 10ic0507a Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 14:18:47 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:43:53 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10ic0507a.D
Acq On : 7 May 2012 13:53
Operator : JLB
Sample : 10ic0507a Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 14:18:47 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:43:53 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	373997	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.541	136	1558634	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.651	164	858616	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.043	188	1276365	5.00	ng/uL	0.00
82) Chrysene-d12	21.616	240	614922	5.00	ng/uL	# 0.00
93) Perylene-d12	23.341	264	529923	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.424	112	2064764	20.83	ng/uL	-0.02
7) Phenol-d6	7.097	99	2377274	20.44	ng/uL	-0.02
22) Nitrobenzene-d5	8.968	82	2275837	20.58	ng/uL	0.00
24) Decafluorobiphenyl	9.183	334	1613996	19.46	ng/uL	0.00
48) 2-Fluorobiphenyl	13.112	172	3971591	18.85	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.533	330	313790	18.70	ng/uL	-0.01
79) o-Terphenyl	18.783	230	2436369	18.05	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.477	74	709740m	10.81	ng/uL	
3) Pyridine	3.489	79	1313045	10.44	ng/uL	90
5) Aniline	7.173	93	1018364	11.07	ng/uL	100
6) Benzaldehyde	7.033	105	854	1.80	ng/uL#	1
8) Phenol	7.120	94	1501931	10.53	ng/uL	84
9) Bis(2-chloroethyl)ether	7.318	93	1104954	10.35	ng/uL	100
10) 2-Chlorophenol	7.382	128	1155474	10.84	ng/uL#	41
11) 1,3-Dichlorobenzene	7.691	146	1311831	10.18	ng/uL	97
12) 1,4-Dichlorobenzene	7.843	146	1351092	10.18	ng/uL	97
13) 1,2-Dichlorobenzene	8.146	146	1263098	10.51	ng/uL	97
14) Bis(2-chloroisipropyl)...	8.426	45	1435206	10.44	ng/uL	94
15) Benzyl Alcohol	8.111	108	749080	10.93	ng/uL	98
16) 2-Methylphenol	8.344	108	1034387	11.01	ng/uL	93
17) Acetophenone	8.659	105	1576694	10.74	ng/uL#	81
18) Hexachloroethane	8.845	119	492985	10.42	ng/uL	98
19) 4-Methylphenol	8.682	107	1153415	11.07	ng/uL#	44
20) N-Nitroso-di-n-propyla...	8.688	70	841890	11.06	ng/uL#	80
23) Nitrobenzene	9.003	77	1307709	10.51	ng/uL#	1
25) Isophorone	9.551	82	2161599	11.08	ng/uL	98
26) 2-Chloroaniline	9.626	127	1327017	10.50	ng/uL	98
27) 2-Nitrophenol	9.702	139	580123	11.47	ng/uL#	88
28) 2,4-Dimethylphenol	9.842	107	1157118	10.82	ng/uL	93
29) Bis(2-chlorethoxy)methane	10.075	93	1203649	10.65	ng/uL	99
30) 2,4-Dichlorophenol	10.233	162	836169	11.13	ng/uL	99
31) Benzoic Acid	10.099	105	1268990	28.21	ng/uL	96
32) 1,2,4-Trichlorobenzene	10.425	180	1061238	10.07	ng/uL	97
33) Naphthalene	10.588	128	3292948	10.25	ng/uL	97
34) 4-Chloroaniline	10.746	127	785262	11.14	ng/uL#	46
35) 2,6-Dichlorophenol	10.751	162	819891	10.88	ng/uL	94
36) Hexachlorobutadiene	10.915	225	607389	10.03	ng/uL	95
37) Caprolactam	11.515	55	278677	13.35	ng/uL	91
38) 1,2-Bis(2-chloroethoxy...	11.771	63	967871	10.86	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.917	107	807765	10.95	ng/uL	96
40) 2-Methylnaphthalene	12.203	142	2106061	10.25	ng/uL	95
41) 1-Methylnaphthalene	12.424	142	1978661	10.36	ng/uL	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10ic0507a.D
Acq On : 7 May 2012 13:53
Operator : JLB
Sample : 10ic0507a Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 14:18:47 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:43:53 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.132	168	298912	11.68 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.593	216	935356	9.52 ng/uL	98
45) Hexachlorocyclopentadiene	12.593	237	571402	10.71 ng/uL	98
46) 2,4,6-Trichlorophenol	12.885	196	538638	10.40 ng/uL	98
47) 2,4,5-Trichlorophenol	12.949	196	509790	10.42 ng/uL	95
49) 2-Chloronaphthalene	13.333	162	1891155	9.68 ng/uL	94
50) 1,1'-Biphenyl	13.328	154	2341367	9.71 ng/uL	98
51) 2-Nitroaniline	13.607	138	494929	11.45 ng/uL	96
52) Acenaphthylene	14.307	152	2887882	9.91 ng/uL#	83
53) 2,6-Dinitrotoluene	14.231	165	404807	10.55 ng/uL	93
54) Dimethyl Phthalate	14.132	163	1776010	9.67 ng/uL	96
55) 3-Nitroaniline	14.587	138	283215	10.02 ng/uL#	1
56) Acenaphthene	14.726	153	1834168	9.85 ng/uL	99
57) 2,4-Dinitrophenol	14.849	184	382342	27.50 ng/uL	95
58) Dibenzofuran	15.146	168	2327497	9.58 ng/uL	93
59) 4-Nitrophenol	15.047	65	585208	26.62 ng/uL#	82
60) 2,4-Dinitrotoluene	15.169	165	507898	11.12 ng/uL#	75
61) 2,3,5,6-Tetrachlorophenol	15.356	232	394966	10.31 ng/uL	96
62) 2,3,4,6-Tetrachlorophenol	15.455	232	383516	10.52 ng/uL#	94
63) Fluorene	15.962	166	1856086	9.71 ng/uL	99
64) Diethyl Phthalate	15.846	149	1805757	10.04 ng/uL	97
65) 4-Chlorophenyl Phenyl ...	16.032	204	883477	9.54 ng/uL	87
66) 4-Nitroaniline	16.032	138	303940	11.69 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.125	198	260221	13.11 ng/uL#	88
69) N-Nitroso-diphenylamine	16.318	169	1453405	9.70 ng/uL	99
70) 1,2-Diphenylhydrazine	16.405	182	469569	9.33 ng/uL	96
72) 4-Bromophenyl Phenyl E...	17.192	248	449997	9.27 ng/uL	95
73) Hexachlorobenzene	17.250	284	489971	8.90 ng/uL#	93
74) Atrazine	17.623	200	404094	10.44 ng/uL	97
75) Pentachlorophenol	17.687	266	264302	9.92 ng/uL	97
76) Phenanthrene	18.084	178	2466197	9.68 ng/uL	98
77) Anthracene	18.177	178	2448091	10.11 ng/uL	98
78) Carbazole	18.492	167	1852519	10.20 ng/uL	99
80) Di-n-butyl Phthalate	19.145	149	2548480	10.45 ng/uL	99
81) Fluoroanthene	19.920	202	2151136	9.78 ng/uL#	87
83) Benzidine	20.130	184	193307	10.30 ng/uL#	90
84) Pyrene	20.205	202	2117394	10.02 ng/uL	93
85) Butyl Benzyl Phthalate	21.027	149	814174	11.17 ng/uL	85
86) Bis(2-ethylhexyl) adipate	21.120	129	618647	11.00 ng/uL#	100
87) Benzo(a)anthracene	21.604	228	1571452	9.97 ng/uL	98
88) 3,3'-Dichlorobenzidine	21.581	252	355288	10.96 ng/uL	98
89) Chrysene	21.639	228	1471463	9.62 ng/uL	99
90) Bis(2-ethylhexyl)phtha...	21.645	149	931384	10.48 ng/uL	98
91) Dicyclohexyl Phthalate	21.668	149	1227543	10.00 ng/uL#	100
92) Di-n-octyl Phthalate	22.345	149	1325030	11.15 ng/uL	100
94) Benzo(b)fluoroanthene	22.834	252	1180922	10.06 ng/uL	97
95) Benzo(k)fluoranthene	22.869	252	1238540	9.89 ng/uL	92
96) Benzo(a)pyrene	23.265	252	1051500	10.00 ng/uL	93
97) Indeno(1,2,3-cd)pyrene	25.061	276	912896	10.16 ng/uL	98
98) Dibenz(a,h)anthracene	25.096	278	768706	10.25 ng/uL	97
99) Benzo(g,h,i)Perylene	25.574	276	722671	9.70 ng/uL	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10ic0507a.D
Acq On : 7 May 2012 13:53
Operator : JLB
Sample : 10ic0507a Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 14:18:47 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:43:53 2012
Response via : Initial Calibration

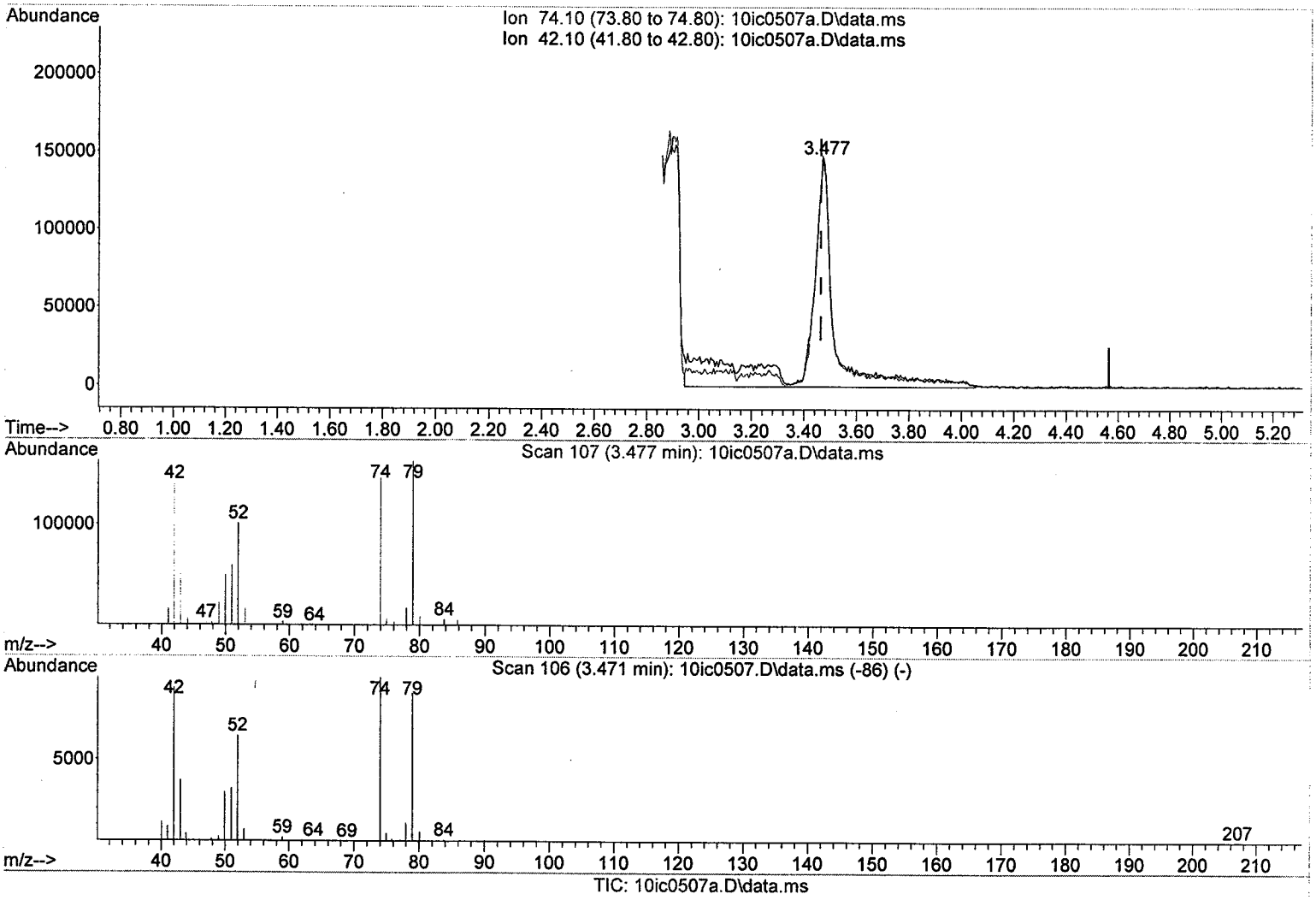
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10ic0507a.D
Acq On : 7 May 2012 13:53
Operator : JLB
Sample : 10ic0507a Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 14:18:35 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:43:53 2012
Response via : Initial Calibration



TIC: 10ic0507a.D\data.ms

(2) N-Nitroso-dimethylamine

3.477min (+0.012) 13.96 ng/uL

response 916677

Ion	Exp%	Act%
74.10	100	100
42.10	96.80	78.57
0.00	0.00	0.00
0.00	0.00	0.00

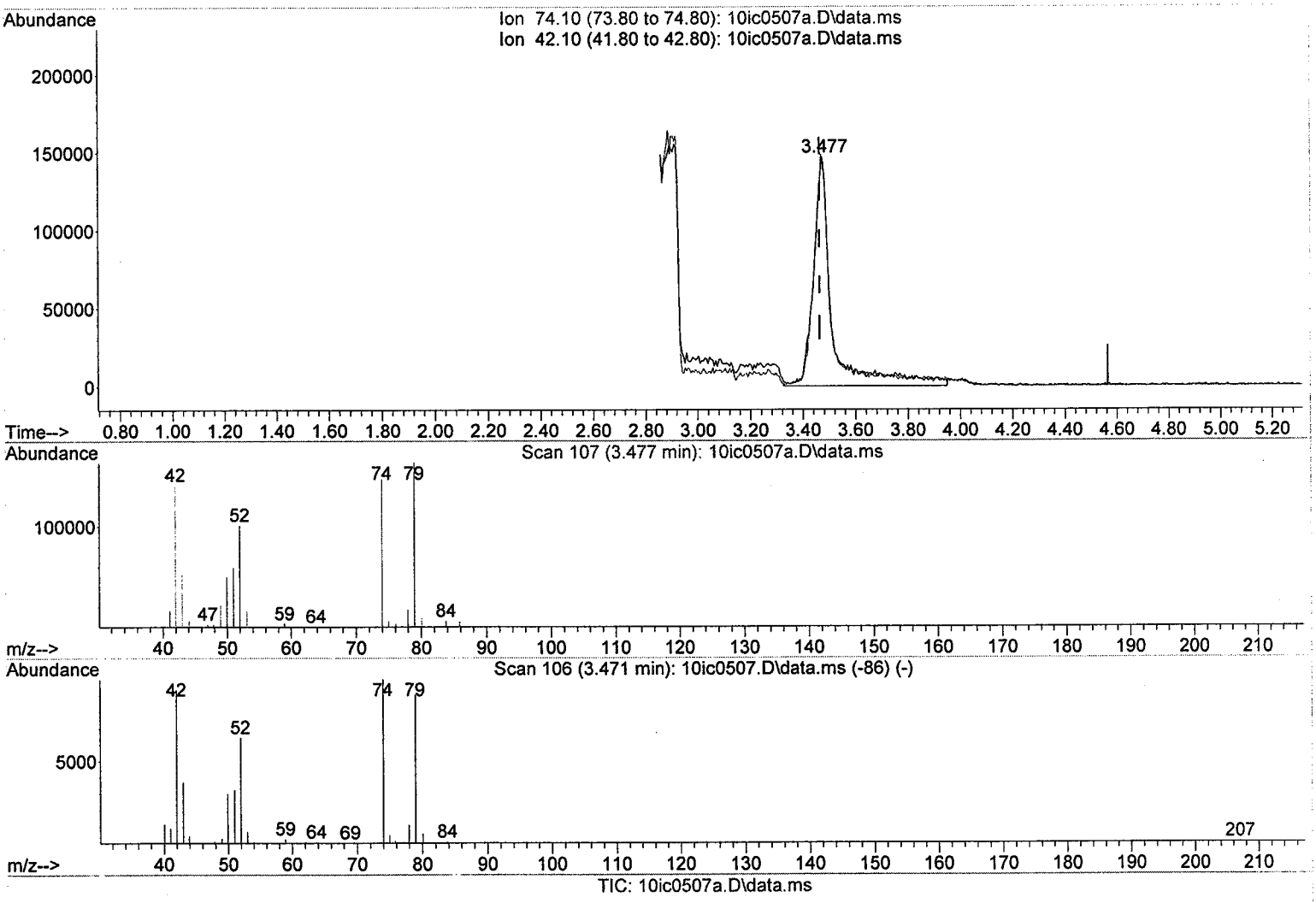
JLB 5-7-12

MT 111-

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10ic0507a.D
Acq On : 7 May 2012 13:53
Operator : JLB
Sample : 10ic0507a Inst : 308
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 07 14:18:35 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 13:43:53 2012
Response via : Initial Calibration



TIC: 10ic0507a.D\data.ms

(2) N-Nitroso-dimethylamine

3.477min (+0.012) 10.81 ng/uL m

response 709740

Ion	Exp%	Act%
74.10	100	100
42.10	96.80	101.48
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: _____ Date: 5-7-12

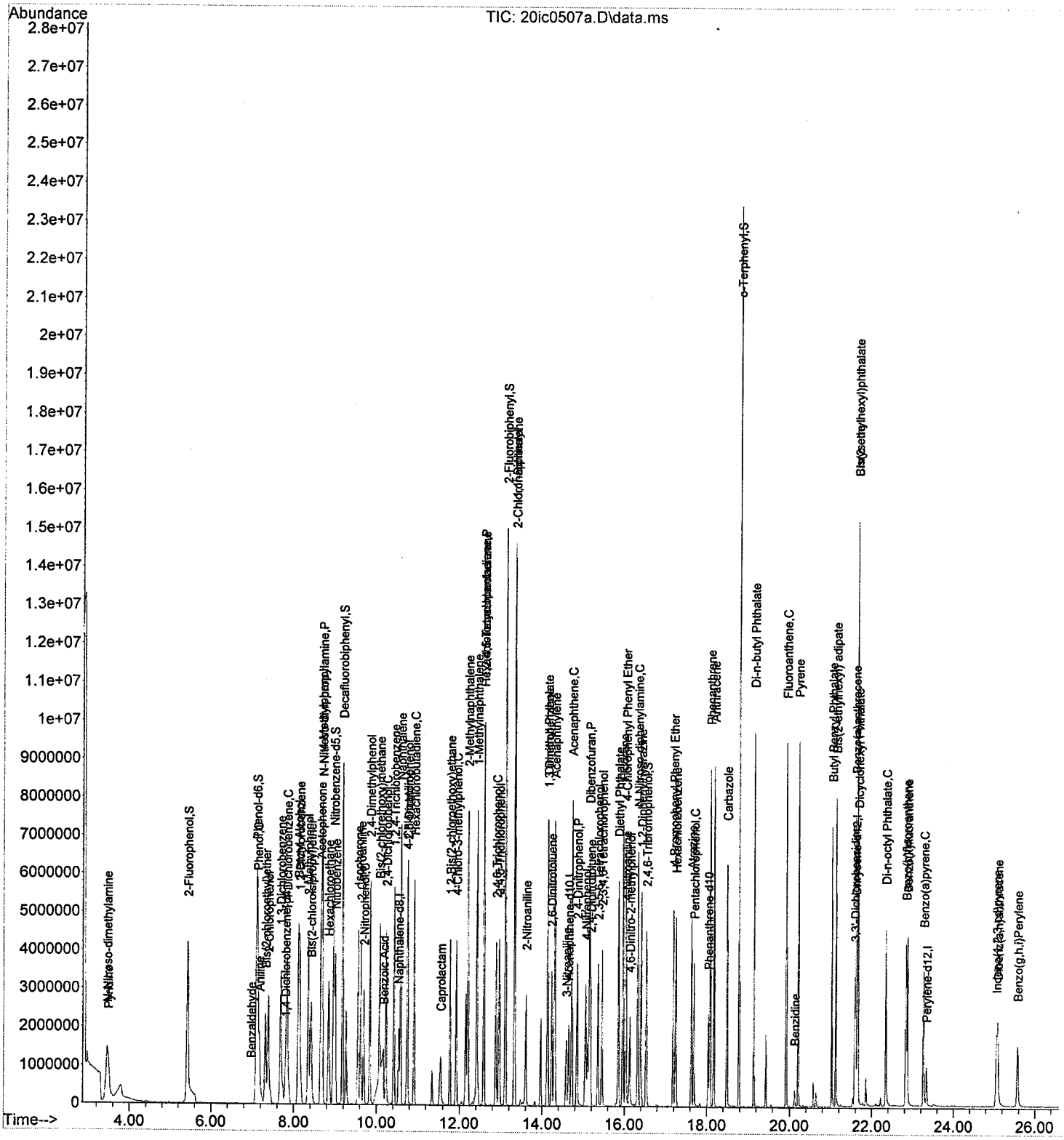
Reviewed By: _____ Date: n/a

00647

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 20ic0507a.D
Acq On : 7 May 2012 14:30
Operator : JLB
Sample : 20ic0507a Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 14:57:53 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:19:50 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 20ic0507a.D
Acq On : 7 May 2012 14:30
Operator : JLB
Sample : 20ic0507a Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 14:57:53 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:19:50 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	360779	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.541	136	1502672	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.651	164	841975	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.043	188	1283788	5.00	ng/uL	0.00
82) Chrysene-d12	21.616	240	653171	5.00	ng/uL	# 0.00
93) Perylene-d12	23.341	264	544982	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.435	112	4119443	43.09	ng/uL	0.01
7) Phenol-d6	7.108	99	4668164	41.52	ng/uL	0.01
22) Nitrobenzene-d5	8.973	82	4476791	41.89	ng/uL	0.00
24) Decafluorobiphenyl	9.183	334	3316019	41.42	ng/uL	0.00
48) 2-Fluorobiphenyl	13.118	172	7934048	38.36	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.539	330	719161	42.39	ng/uL	0.00
79) o-Terphenyl	18.783	230	5446734	40.15	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.465	74	1391608	21.86	ng/uL	99
3) Pyridine	3.489	79	2417824	19.90	ng/uL	93
5) Aniline	7.178	93	1754259	19.33	ng/uL#	39
6) Benzaldehyde	6.980	105	10700	25.15	ng/uL#	1
8) Phenol	7.132	94	2734721	19.82	ng/uL	85
9) Bis(2-chloroethyl)ether	7.324	93	2001551	19.43	ng/uL	100
10) 2-Chlorophenol	7.394	128	2084003	20.19	ng/uL#	71
11) 1,3-Dichlorobenzene	7.691	146	2418933	19.45	ng/uL	98
12) 1,4-Dichlorobenzene	7.843	146	2477895	19.34	ng/uL	97
13) 1,2-Dichlorobenzene	8.146	146	2265704	19.48	ng/uL	96
14) Bis(2-chloroisipropyl)...	8.426	45	2617966	19.72	ng/uL	94
15) Benzyl Alcohol	8.117	108	1393278	21.01	ng/uL	98
16) 2-Methylphenol	8.350	108	1865271	20.47	ng/uL	92
17) Acetophenone	8.665	105	2855627	20.14	ng/uL#	80
18) Hexachloroethane	8.851	119	906488	19.85	ng/uL	97
19) 4-Methylphenol	8.694	107	2071974	20.50	ng/uL#	43
20) N-Nitroso-di-n-propyla...	8.700	70	1526714	20.70	ng/uL	82
23) Nitrobenzene	9.014	77	2393872	19.89	ng/uL#	1
25) Isophorone	9.562	82	3878878	20.53	ng/uL	98
26) 2-Chloroaniline	9.632	127	2445973	19.99	ng/uL	97
27) 2-Nitrophenol	9.702	139	1086399	22.16	ng/uL	86
28) 2,4-Dimethylphenol	9.854	107	2093786	20.23	ng/uL	92
29) Bis(2-chlorethoxy)methane	10.081	93	2152782	19.66	ng/uL	98
30) 2,4-Dichlorophenol	10.238	162	1492561	20.52	ng/uL	99
31) Benzoic Acid	10.180	105	2671805	61.40	ng/uL	96
32) 1,2,4-Trichlorobenzene	10.425	180	1935045	19.02	ng/uL	97
33) Naphthalene	10.588	128	5973527	19.26	ng/uL	97
34) 4-Chloroaniline	10.745	127	1169345	16.96	ng/uL#	24
35) 2,6-Dichlorophenol	10.757	162	1498802	20.53	ng/uL	95
36) Hexachlorobutadiene	10.914	225	1114017	19.10	ng/uL	97
37) Caprolactam	11.556	55	557542	27.49	ng/uL	91
38) 1,2-Bis(2-chloroethoxy...	11.777	63	1759633	20.38	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.929	107	1526874	21.34	ng/uL	96
40) 2-Methylnaphthalene	12.208	142	3886145	19.59	ng/uL	97
41) 1-Methylnaphthalene	12.430	142	3595519	19.51	ng/uL	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 20ic0507a.D
Acq On : 7 May 2012 14:30
Operator : JLB
Sample : 20ic0507a Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 14:57:53 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:19:50 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.143	168	598499	24.12	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.599	216	1757159	18.32	ng/uL	99
45) Hexachlorocyclopentadiene	12.593	237	1137152	21.81	ng/uL	99
46) 2,4,6-Trichlorophenol	12.890	196	1001939	19.68	ng/uL	97
47) 2,4,5-Trichlorophenol	12.960	196	967870	20.05	ng/uL	97
49) 2-Chloronaphthalene	13.339	162	3532336	18.40	ng/uL	94
50) 1,1'-Biphenyl	13.333	154	4431551	18.75	ng/uL	98
51) 2-Nitroaniline	13.613	138	971040	22.80	ng/uL	97
52) Acenaphthylene	14.307	152	5448753	19.03	ng/uL#	84
53) 2,6-Dinitrotoluene	14.237	165	796898	21.19	ng/uL	93
54) Dimethyl Phthalate	14.138	163	3541343	19.67	ng/uL	96
55) 3-Nitroaniline	14.592	138	491977	17.53	ng/uL#	1
56) Acenaphthene	14.732	153	3434114	18.74	ng/uL	99
57) 2,4-Dinitrophenol	14.860	184	904562	65.38	ng/uL	97
58) Dibenzofuran	15.152	168	4427869	18.58	ng/uL	94
59) 4-Nitrophenol	15.064	65	1227385	55.20	ng/uL#	84
60) 2,4-Dinitrotoluene	15.181	165	1013063	22.50	ng/uL#	74
61) 2,3,5,6-Tetrachlorophenol	15.362	232	788461	20.97	ng/uL#	95
62) 2,3,4,6-Tetrachlorophenol	15.461	232	771898	21.50	ng/uL#	94
63) Fluorene	15.968	166	3655639	19.54	ng/uL#	98
64) Diethyl Phthalate	15.857	149	3714346	21.11	ng/uL	95
65) 4-Chlorophenyl Phenyl ...	16.038	204	1673032	18.40	ng/uL#	86
66) 4-Nitroaniline	16.049	138	567502	22.01	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.137	198	540841	26.75	ng/uL#	86
69) N-Nitroso-diphenylamine	16.329	169	2914371	19.22	ng/uL	99
70) 1,2-Diphenylhydrazine	16.411	182	919545	18.13	ng/uL	96
72) 4-Bromophenyl Phenyl E...	17.192	248	921245	18.87	ng/uL	98
73) Hexachlorobenzene	17.256	284	966800	17.45	ng/uL#	94
74) Atrazine	17.635	200	855608	21.97	ng/uL	97
75) Pentachlorophenol	17.693	266	561594	21.86	ng/uL	94
76) Phenanthrene	18.089	178	4723140	18.38	ng/uL	98
77) Anthracene	18.183	178	4803910	19.66	ng/uL	98
78) Carbazole	18.492	167	3657439	19.85	ng/uL	99
80) Di-n-butyl Phthalate	19.150	149	5433340	22.18	ng/uL	100
81) Fluoroanthene	19.925	202	4425345	19.97	ng/uL#	88
83) Benzidine	20.129	184	231398	12.33	ng/uL#	93
84) Pyrene	20.211	202	4378346	19.54	ng/uL#	92
85) Butyl Benzyl Phthalate	21.027	149	1764265	22.78	ng/uL	85
86) Bis(2-ethylhexyl) adipate	21.126	129	1354525	22.89	ng/uL#	100
87) Benzo(a)anthracene	21.604	228	3192924	18.98	ng/uL#	97
88) 3,3'-Dichlorobenzidine	21.581	252	689276	19.85	ng/uL	98
89) Chrysene	21.645	228	2935049	17.99	ng/uL	99
90) Bis(2-ethylhexyl)phtha...	21.645	149	2057500	21.91	ng/uL	100
91) Dicyclohexyl Phthalate	21.674	149	2589635	19.96	ng/uL#	100
92) Di-n-octyl Phthalate	22.344	149	2852907	22.62	ng/uL	99
94) Benzo(b)fluoroanthene	22.840	252	2450858	20.15	ng/uL#	94
95) Benzo(k)fluoranthene	22.875	252	2272863	17.52	ng/uL	93
96) Benzo(a)pyrene	23.271	252	2154513	19.91	ng/uL#	89
97) Indeno(1,2,3-cd)pyrene	25.061	276	1882470	20.28	ng/uL	100
98) Dibenz(a,h)anthracene	25.095	278	1541930	19.90	ng/uL	99
99) Benzo(g,h,i)Perylene	25.579	276	1468738	19.18	ng/uL	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 20ic0507a.D
Acq On : 7 May 2012 14:30
Operator : JLB
Sample : 20ic0507a Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 14:57:53 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:19:50 2012
Response via : Initial Calibration

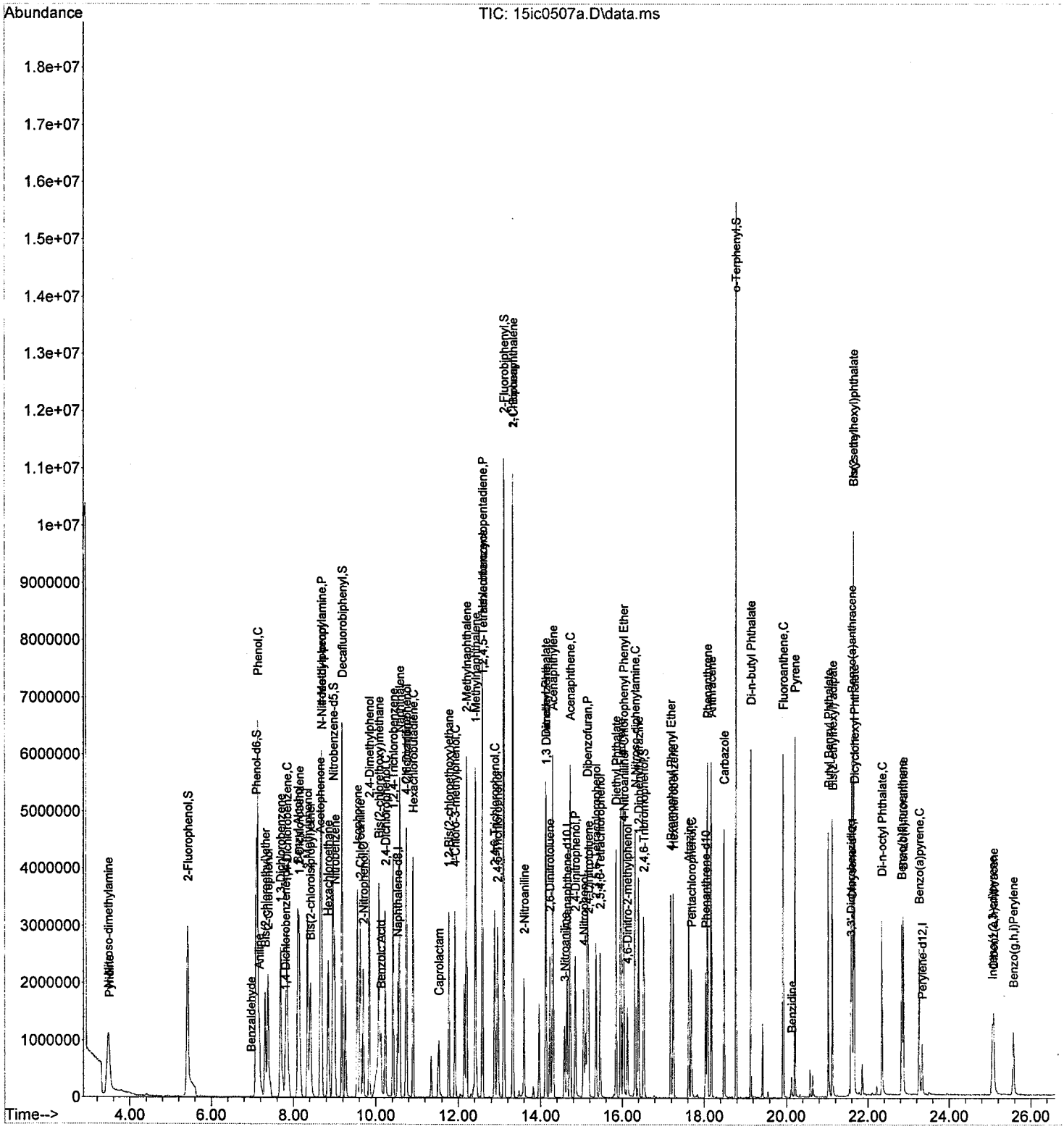
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 15ic0507a.D
Acq On : 7 May 2012 15:05
Operator : JLB
Sample : 15ic0507a Inst : 308
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 15:30:18 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:59:01 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 15ic0507a.D
Acq On : 7 May 2012 15:05
Operator : JLB
Sample : 15ic0507a Inst : 308
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 15:30:18 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:59:01 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.808	152	378066	5.00	ng/uL	#	0.00
21) Naphthalene-d8	10.541	136	1559125	5.00	ng/uL		0.00
43) Acenaphthene-d10	14.651	164	818512	5.00	ng/uL		0.00
67) Phenanthrene-d10	18.043	188	1215676	5.00	ng/uL		0.00
82) Chrysene-d12	21.616	240	600979	5.00	ng/uL	#	0.00
93) Perylene-d12	23.341	264	509312	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.430	112	3080682	30.98	ng/uL		0.00
7) Phenol-d6	7.103	99	3182169	27.24	ng/uL		0.00
22) Nitrobenzene-d5	8.968	82	3330395	30.31	ng/uL		0.00
24) Decafluorobiphenyl	9.183	334	2416557	29.37	ng/uL		0.00
48) 2-Fluorobiphenyl	13.112	172	5896570	29.95	ng/uL		0.00
71) 2,4,6-Tribromophenol	16.533	330	483339	30.71	ng/uL		0.00
79) o-Terphenyl	18.783	230	3679833	29.24	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.471	74	1015542m	15.21	ng/uL		
3) Pyridine	3.495	79	1828788	14.48	ng/uL		92
5) Aniline	7.172	93	1426870	15.74	ng/uL#		28
6) Benzaldehyde	6.974	105	7930	15.49	ng/uL#		36
8) Phenol	7.137	94	2720556	18.99	ng/uL		98
9) Bis(2-chloroethyl)ether	7.318	93	1496319	13.96	ng/uL		100
10) 2-Chlorophenol	7.388	128	1555864	14.49	ng/uL#		41
11) 1,3-Dichlorobenzene	7.691	146	1799040	13.90	ng/uL		97
12) 1,4-Dichlorobenzene	7.843	146	1834549	13.75	ng/uL		96
13) 1,2-Dichlorobenzene	8.146	146	1694276	14.01	ng/uL		97
14) Bis(2-chloroisipropyl)...	8.420	45	1931157	13.98	ng/uL		92
15) Benzyl Alcohol	8.111	108	1017384	14.76	ng/uL		100
16) 2-Methylphenol	8.350	108	1378907	14.53	ng/uL		93
17) Acetophenone	8.659	105	2123602	14.44	ng/uL#		81
18) Hexachloroethane	8.845	119	676230	14.23	ng/uL		98
19) 4-Methylphenol	8.688	107	1547338	14.76	ng/uL#		43
20) N-Nitroso-di-n-propyla...	8.694	70	1131727	14.76	ng/uL#		78
23) Nitrobenzene	9.008	77	1769846	14.29	ng/uL#		1
25) Isophorone	9.556	82	2900870	14.96	ng/uL		99
26) 2-Chloroaniline	9.626	127	1825141	14.57	ng/uL		97
27) 2-Nitrophenol	9.702	139	791952	15.70	ng/uL#		88
28) 2,4-Dimethylphenol	9.848	107	1576820	14.84	ng/uL		93
29) Bis(2-chlorethoxy)methane	10.081	93	1600180	14.24	ng/uL		98
30) 2,4-Dichlorophenol	10.238	162	1113390	14.94	ng/uL		99
31) Benzoic Acid	10.133	105	1874781	42.37	ng/uL		96
32) 1,2,4-Trichlorobenzene	10.425	180	1434365	13.71	ng/uL		98
33) Naphthalene	10.588	128	4428978	13.89	ng/uL		97
34) 4-Chloroaniline	10.745	127	960644	14.08	ng/uL#		36
35) 2,6-Dichlorophenol	10.751	162	1114968	14.88	ng/uL		95
36) Hexachlorobutadiene	10.914	225	831387	13.88	ng/uL		97
37) Caprolactam	11.532	55	386808	18.61	ng/uL		90
38) 1,2-Bis(2-chloroethoxy...	11.771	63	1303408	14.71	ng/uL#		100
39) 4-Chloro-3-methylphenol	11.923	107	1099492	14.97	ng/uL		96
40) 2-Methylnaphthalene	12.203	142	2882042	14.17	ng/uL		98
41) 1-Methylnaphthalene	12.424	142	2717729	14.38	ng/uL		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 15ic0507a.D
Acq On : 7 May 2012 15:05
Operator : JLB
Sample : 15ic0507a Inst : 308
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 15:30:18 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:59:01 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.138	168	401071	15.74	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.599	216	1294157	14.16	ng/uL	100
45) Hexachlorocyclopentadiene	12.593	237	793449	15.97	ng/uL	97
46) 2,4,6-Trichlorophenol	12.885	196	715955	14.79	ng/uL	99
47) 2,4,5-Trichlorophenol	12.954	196	703149	15.30	ng/uL	96
49) 2-Chloronaphthalene	13.333	162	2594771	14.18	ng/uL	95
50) 1,1'-Biphenyl	13.333	154	3227482	14.33	ng/uL	98
51) 2-Nitroaniline	13.607	138	672750	16.58	ng/uL	95
52) Acenaphthylene	14.307	152	3968262	14.56	ng/uL#	83
53) 2,6-Dinitrotoluene	14.237	165	550733	15.39	ng/uL	92
54) Dimethyl Phthalate	14.132	163	2484738	14.50	ng/uL	95
55) 3-Nitroaniline	14.592	138	347535	13.40	ng/uL#	1
56) Acenaphthene	14.726	153	2507477	14.36	ng/uL	98
57) 2,4-Dinitrophenol	14.855	184	578795	44.59	ng/uL	97
58) Dibenzofuran	15.146	168	3189745	14.06	ng/uL	94
59) 4-Nitrophenol	15.059	65	800290	37.47	ng/uL#	83
60) 2,4-Dinitrotoluene	15.175	165	699839	16.37	ng/uL#	75
61) 2,3,5,6-Tetrachlorophenol	15.356	232	544224	15.24	ng/uL	94
62) 2,3,4,6-Tetrachlorophenol	15.461	232	519869	15.21	ng/uL#	91
63) Fluorene	15.968	166	2571240	14.42	ng/uL	99
64) Diethyl Phthalate	15.851	149	2583257	15.44	ng/uL	96
65) 4-Chlorophenyl Phenyl ...	16.038	204	1193783	13.75	ng/uL#	86
66) 4-Nitroaniline	16.044	138	388636	15.87	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.131	198	366146	19.70	ng/uL#	89
69) N-Nitroso-diphenylamine	16.323	169	1984802	14.11	ng/uL	98
70) 1,2-Diphenylhydrazine	16.411	182	629602	13.35	ng/uL	98
72) 4-Bromophenyl Phenyl E...	17.192	248	630634	13.88	ng/uL	100
73) Hexachlorobenzene	17.256	284	653741	12.70	ng/uL#	92
74) Atrazine	17.629	200	567279	15.70	ng/uL	97
75) Pentachlorophenol	17.693	266	369476	15.57	ng/uL	96
76) Phenanthrene	18.089	178	3320839	13.92	ng/uL	98
77) Anthracene	18.183	178	3264456	14.37	ng/uL	97
78) Carbazole	18.492	167	2493036	14.56	ng/uL	100
80) Di-n-butyl Phthalate	19.150	149	3557977	15.67	ng/uL	100
81) Fluoroanthene	19.926	202	2959613	14.44	ng/uL#	87
83) Benzidine	20.130	184	200798	12.15	ng/uL#	91
84) Pyrene	20.211	202	2927819	14.47	ng/uL	93
85) Butyl Benzyl Phthalate	21.027	149	1134101	16.23	ng/uL	88
86) Bis(2-ethylhexyl) adipate	21.126	129	879389	16.50	ng/uL#	100
87) Benzo(a)anthracene	21.604	228	2212981	14.58	ng/uL	97
88) 3,3'-Dichlorobenzidine	21.581	252	467452	15.22	ng/uL	97
89) Chrysene	21.645	228	2035517	13.84	ng/uL	100
90) Bis(2-ethylhexyl)phtha...	21.645	149	1339758	15.90	ng/uL	99
91) Dicyclohexyl Phthalate	21.668	149	1721717	14.70	ng/uL#	100
92) Di-n-octyl Phthalate	22.344	149	1897633	16.78	ng/uL	100
94) Benzo(b)fluoroanthene	22.834	252	1593559	14.18	ng/uL	97
95) Benzo(k)fluoranthene	22.869	252	1665685	14.15	ng/uL	92
96) Benzo(a)pyrene	23.265	252	1456105	14.71	ng/uL#	90
97) Indeno(1,2,3-cd)pyrene	25.061	276	1264006	14.91	ng/uL	99
98) Dibenz(a,h)anthracene	25.090	278	1053939	14.90	ng/uL	99
99) Benzo(g,h,i)Perylene	25.573	276	1015959	14.49	ng/uL	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 15ic0507a.D
Acq On : 7 May 2012 15:05
Operator : JLB
Sample : 15ic0507a Inst : 308
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 15:30:18 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:59:01 2012
Response via : Initial Calibration

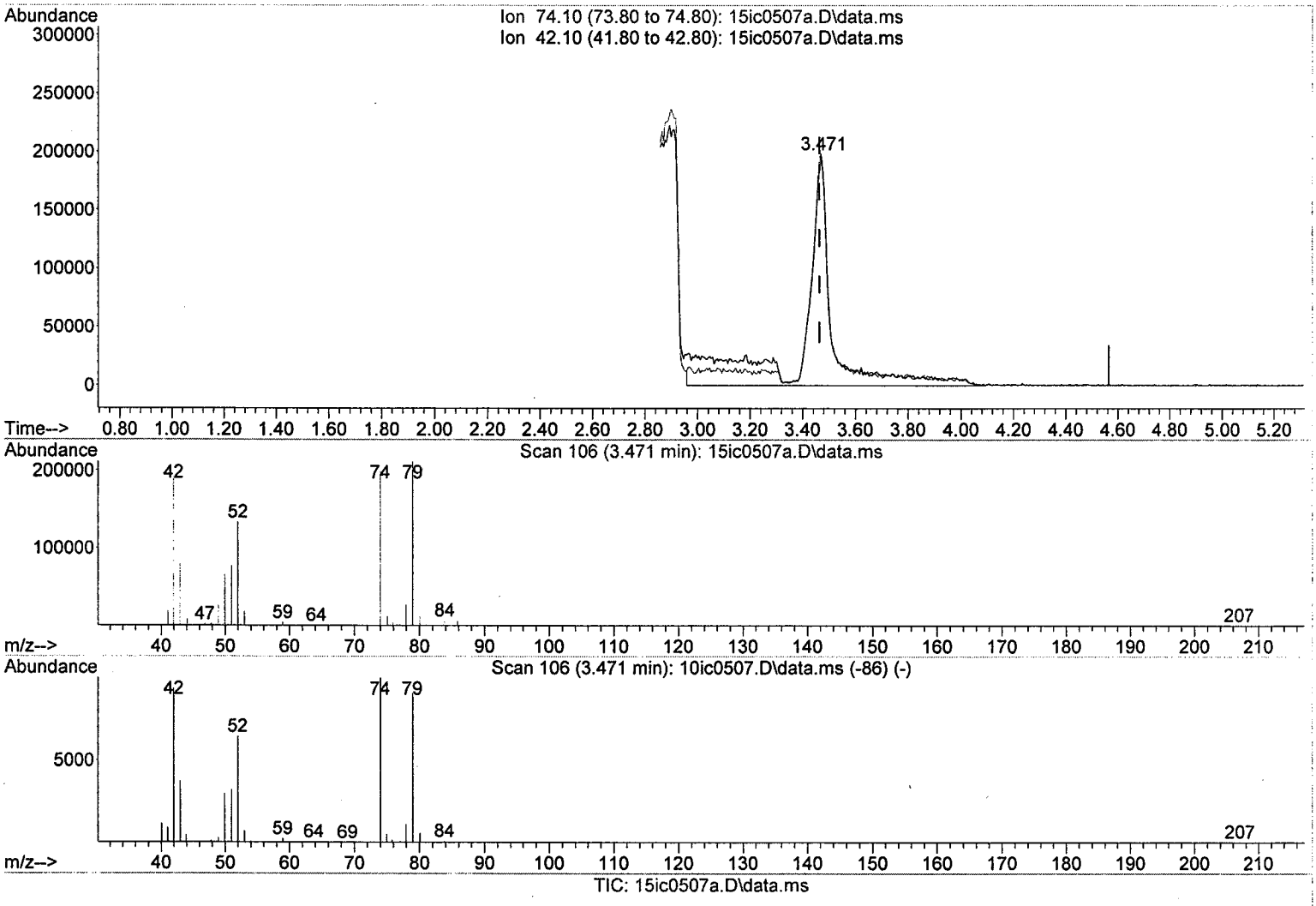
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 15ic0507a.D
Acq On : 7 May 2012 15:05
Operator : JLB
Sample : 15ic0507a Inst : 308
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 15:30:07 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:59:01 2012
Response via : Initial Calibration



TIC: 15ic0507a.D\data.ms

(2) N-Nitroso-dimethylamine

3.471min (+0.006) 19.46 ng/uL

response 1299442

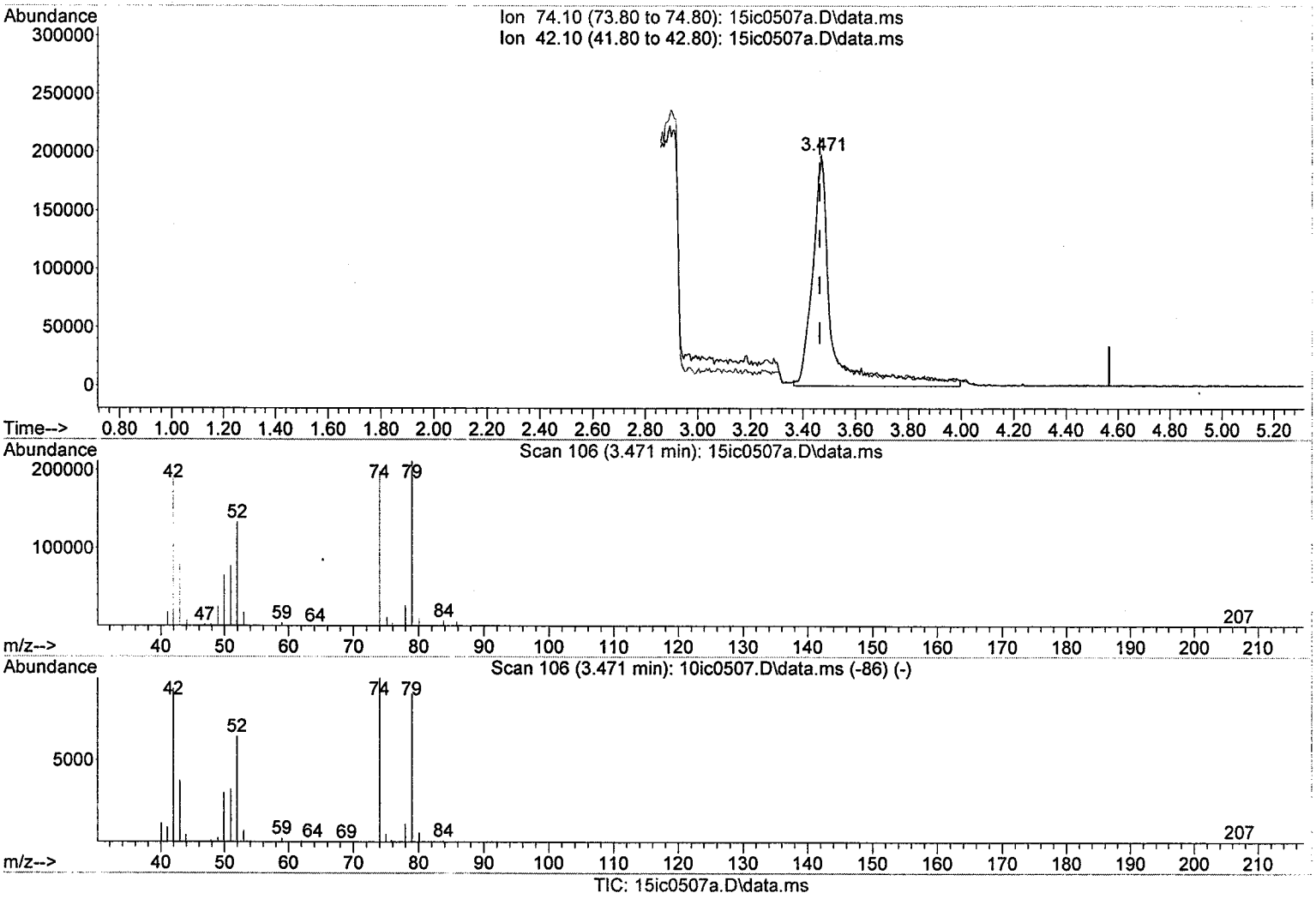
Ion	Exp%	Act%
74.10	100	100
42.10	96.80	77.24#
0.00	0.00	0.00
0.00	0.00	0.00

JWB 5/7/12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 15ic0507a.D
Acq On : 7 May 2012 15:05
Operator : JLB
Sample : 15ic0507a Inst : 308
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 07 15:30:07 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 14:59:01 2012
Response via : Initial Calibration



TIC: 15ic0507a.D\data.ms

(2) N-Nitroso-dimethylamine

3.471min (+0.006) 15.21 ng/uL m

response 1015542

Ion	Exp%	Act%
74.10	100	100
42.10	96.80	98.83
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5/7/12

Reviewed By: h Date: 5/8/12

INITIAL CALIBRATION DATA
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E22022

SDG: KNM050112

Project: KNM

Calibration Date: 05/21/12 11:33

Instrument: 339

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	0.5	0.8688594	1	0.8625116	2	0.7682439	5	1.027666	10	0.904302	15	0.8552631
Acenaphthylene	0.5	1.309269	1	1.347786	2	1.231131	5	1.681584	10	1.510844	15	1.421386
Anthracene	0.5	0.7313709	1	0.7354091	2	0.7089561	5	0.9709882	10	0.8708808	15	0.801041
Benzo(a)anthracene	0.5	1.022738	1	1.01898	2	0.9213529	5	1.235967	10	1.117845	15	1.075857
Benzo(a)pyrene	0.5	0.683061	1	0.7016962	2	0.6504498	5	0.9813721	10	0.9256984	15	0.9079909
Benzo(b)fluoranthene	0.5	0.7831166	1	0.7732237	2	0.7083754	5	1.056536	10	1.035986	15	0.9816011
Benzo(g,h,i)perylene	0.5	0.5743821	1	0.6130364	2	0.5347827	5	0.7403591	10	0.5744406	15	0.5481255
Benzo(k)fluoranthene	0.5	0.783175	1	0.8360878	2	0.7707406	5	1.079729	10	0.9779239	15	1.00698
Chrysene	0.5	1.026172	1	1.030559	2	0.9311263	5	1.250027	10	1.110749	15	1.019243
Dibenz(a,h)anthracene	0.5	0.5117875	1	0.5587997	2	0.5030021	5	0.7652108	10	0.6353595	15	0.6134176
Fluoranthene	0.5	0.6400766	1	0.6443884	2	0.6158622	5	0.8305542	10	0.7755238	15	0.7057675
Fluorene	0.5	0.875786	1	0.8902428	2	0.8273616	5	1.112487	10	0.9920527	15	0.931548
Indeno(1,2,3-cd)pyrene	0.5	0.6210623	1	0.7014079	2	0.6182597	5	0.9111332	10	0.7479426	15	0.7165412
2-Methylnaphthalene	0.5	0.5265404	1	0.526808	2	0.4804506	5	0.6412284	10	0.5763114	15	0.5476427
Naphthalene	0.5	0.8508024	1	0.8312836	2	0.7554973	5	0.9848303	10	0.8792303	15	0.8383
Phenanthrene	0.5	0.837431	1	0.8112411	2	0.7288902	5	0.9607197	10	0.8523051	15	0.7884089
Pyrene	0.5	1.311777	1	1.346956	2	1.253717	5	1.788103	10	1.52204	15	1.468297
Nitrobenzene-d5	1	0.1981632	2.01	0.2281345	4.02	0.2319446	10	0.3012144	20.1	0.2799934	30.2	0.2708891
2-Fluorobiphenyl	1	0.9219513	2	1.000145	4	0.952244	10	1.155775	20	0.975561	30	0.8929821
o-Terphenyl	1.01	0.3378317	2.02	0.3653866	4.04	0.3655732	10.1	0.423681	20.2	0.3303003	30.3	0.2830875

INITIAL CALIBRATION DATA (Continued)

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E22022

SDG: KNM050112

Project: KNM

Calibration Date: 05/21/12 11:33

Instrument: 339

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	20	0.8559477	25	0.8327564								
Acenaphthylene	20	1.422336	25	1.389554								
Anthracene	20	0.7894117	25	0.7605078								
Benzo(a)anthracene	20	1.088507	25	1.098617								
Benzo(a)pyrene	20	0.9407272	25	0.9713156								
Benzo(b)fluoranthene	20	1.051491	25	1.048508								
Benzo(g,h,i)perylene	20	0.5311347	25	~~0.474828~~								
Benzo(k)fluoranthene	20	0.9630006	25	1.0212								
Chrysene	20	1.004906	25	0.9784529								
Dibenz(a,h)anthracene	20	0.6082244	25	~~0.570934~~								
Fluoranthene	20	0.6941267	25	0.6880276								
Fluorene	20	0.9243161	25	0.9063109								
Indeno(1,2,3-cd)pyrene	20	0.7083419	25	~~0.6549148~~								
2-Methylnaphthalene	20	0.5389035	25	0.5262214								
Naphthalene	20	0.8253991	25	0.7993261								
Phenanthrene	20	0.7848601	25	0.7649937								
Pyrene	20	1.499666	25	1.505056								
Nitrobenzene-d5	40.2	0.2645953	50.2	0.2651866								
2-Fluorobiphenyl	40	0.8411113	50	0.8078285								
o-Terphenyl	40.4	0.2465707	50.5	0.2335189								

INITIAL CALIBRATION DATA (Continued)

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Calibration: 2E22022

SDG: KNM050112

Project: KNM

Calibration Date: 05/21/12 11:33

Instrument: 339

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	Limit	Q
Acenaphthene	0.8719438	8.474204	14.756	7.180382E-02			CCC (30)	
Acenaphthylene	1.414236	9.654414	14.33275	8.067459E-02			15	
Anthracene	0.7960707	10.92849	18.21362	4.570569E-02			15	
Benzo(a)anthracene	1.072483	8.481042	21.64887	2.009136E-02			15	
Benzo(a)pyrene	0.8452889	16.65905	23.324	3.747701E-02	0.99853		CCC (30)	
Benzo(b)fluoranthene	0.9298547	15.95038	22.88625	3.456455E-02	0.99854		0.99	
Benzo(g,h,i)perylene	0.5880373	12.39303	25.645	4.790202E-02			15	
Benzo(k)fluoranthene	0.9298546	12.58034	22.92263	3.845727E-02			15	
Chrysene	1.043904	9.342418	21.68762	3.259828E-02			15	
Dibenz(a,h)anthracene	0.5994002	14.87183	25.158	3.485539E-02			15	
Fluoranthene	0.6992909	10.35696	19.958	2.239429E-02			CCC (30)	
Fluorene	0.9325131	9.30926	15.996	0.0602509			15	
Indeno(1,2,3-cd)pyrene	0.7178127	13.68673	25.12371	3.386259E-02			15	
2-Methylnaphthalene	0.5455133	8.618615	12.21825	5.137504E-02			15	
Naphthalene	0.8455836	7.929351	10.59625	6.363256E-02			15	
Phenanthrene	0.8161062	8.622753	18.11975	4.286455E-02			15	
Pyrene	1.461951	11.3415	20.248	2.554922E-02			15	
Nitrobenzene-d5	0.2550151	12.99924	8.9745	0.1701356			15	
2-Fluorobiphenyl	0.9434498	11.42154	13.13188	8.495307E-02			15	
o-Terphenyl	0.3232437	20.06949	18.807	3.832144E-02		0.9980698	0.99	

Compound List Report 339

Method Path : C:\msdchem\1\methods\
Method File : 052112bna.M
Title : 8270/625 BNA
Last Update : Tue May 22 09:36:52 2012
Response Via : Initial Calibration

Total Cpnds : 99

PK#		Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	1,4-Dichlorobenzene-d4	152	7.799	1.000	A	2	A	B
2		N-Nitroso-dimethylamine	74	3.369	0.432	A	1	A	B
3		Pyridine	79	3.404	0.436	A	1	A	B
4	S	2-Fluorophenol	112	5.392	0.691	A	1	A	L
5		Aniline	93	7.164	0.919	L	1	A	B
6		~~Benzaldehyde~~ wrong	105	6.954	0.892	Q	2	A	B
7	S	Phenol-d6	99	7.106	0.911	A	1	A	L
8	C	Phenol	94	7.135	0.915	A	1	A	L
9		Bis(2-chloroethyl)ether	93	7.322	0.939	A	0	A	B
10		2-Chlorophenol	128	7.386	0.947	A	2	A	B
11		1,3-Dichlorobenzene	146	7.677	0.984	A	1	A	R
12	C	1,4-Dichlorobenzene	146	7.834	1.005	A	1	A	R
13		1,2-Dichlorobenzene	146	8.138	1.043	A	1	A	R
14		Bis(2-chloroisipropyl)ether	45	8.423	1.080	A	1	A	B
15		Benzyl Alcohol	108	8.125	1.042	L	1	A	B
16		2-Methylphenol	108	8.353	1.071	A	2	A	B
17		Acetophenone	105	8.680	1.113	A	2	A	B
18		Hexachloroethane	119	8.837	1.133	A	2	A	B
19		4-Methylphenol	107	8.715	1.117	A	2	A	B
20	P	N-Nitroso-di-n-propylamine	70	8.720	1.118	A	1	A	B
21	I	Naphthalene-d8	136	10.556	1.000	A	1	A	B
22	S	Nitrobenzene-d5	82	9.000	0.853	A	2	A	B
23		Nitrobenzene	77	9.035	0.856	A	2	A	B
24	S	Decafluorobiphenyl	334	9.163	0.868	A	1	A	B
25		Isophorone	82	9.589	0.908	A	1	A	B
26		2-Chloroaniline	127	9.653	0.914	A	2	A	B
27	C	2-Nitrophenol	139	9.722	0.921	L	2	A	B
28		2,4-Dimethylphenol	107	9.869	0.935	A	1	A	B
29		Bis(2-chlorethoxy)methane	93	10.108	0.957	A	1	A	B
30	C	2,4-Dichlorophenol	162	10.259	0.972	A	2	A	B
31		Benzoic Acid	105	10.218	0.968	L	2	A	B
32		1,2,4-Trichlorobenzene	180	10.440	0.989	A	1	A	B
33		Naphthalene	128	10.609	1.005	A	1	A	B
34		4-Chloroaniline	127	10.778	1.021	A	1	A	L
35		2,6-Dichlorophenol	162	10.772	1.020	A	2	A	B
36	C	Hexachlorobutadiene	225	10.912	1.034	A	2	A	B
37		Caprolactam	55	11.670	1.105	L	2	A	B
38		1,2-Bis(2-chloroethoxy)ethane	63	11.804	1.118	L	2	A	B
39	C	4-Chloro-3-methylphenol	107	11.966	1.134	L	2	A	B
40		2-Methylnaphthalene	142	12.229	1.158	A	2	A	R
41		1-Methylnaphthalene	142	12.457	1.180	A	2	A	R
42		1,3 Dinitrobenzene	168	14.211	1.346	L	0	A	B
43	I	Acenaphthene-d10	164	14.683	1.000	A	2	A	B
44		1,2,4,5-Tetrachlorobenzene	216	12.620	0.859	A	2	A	B
45	P	Hexachlorocyclopentadiene	237	12.596	0.858	L	2	A	B
46	C	2,4,6-Trichlorophenol	196	12.917	0.880	L	2	A	R
47		2,4,5-Trichlorophenol	196	12.993	0.885	L	2	A	R
48	S	2-Fluorobiphenyl	172	13.150	0.896	A	2	A	B
49		2-Chloronaphthalene	162	13.377	0.911	A	1	A	B
50		1,1'-Biphenyl	154	13.360	0.910	A	2	A	B
51		2-Nitroaniline	138	13.663	0.931	L	2	A	B
52		Acenaphthylene	152	14.351	0.977	A	1	A	B
53		2,6-Dinitrotoluene	165	14.298	0.974	L	2	A	B
54		Dimethyl Phthalate	163	14.193	0.967	A	1	A	B

55		3-Nitroaniline	138	14.666	0.999	L	2	A	B
56	C	Acenaphthene	153	14.771	1.006	A	2	A	B
57	P	2,4-Dinitrophenol	184	14.928	1.017	L	2	A	B
58	P	Dibenzofuran	168	15.190	1.035	A	1	A	B
59		4-Nitrophenol	65	15.138	1.031	L	2	A	B
60		2,4-Dinitrotoluene	165	15.248	1.039	L	2	A	B
61		2,3,5,6-Tetrachlorophenol	232	15.394	1.048	L	2	A	R
62		2,3,4,6-Tetrachlorophenol	232	15.499	1.056	L	2	A	R
63		Fluorene	166	16.012	1.091	A	2	A	B
64		Diethyl Phthalate	149	15.901	1.083	A	1	A	B
65		4-Chlorophenyl Phenyl Ether	204	16.076	1.095	A	2	A	B
66		4-Nitroaniline	138	16.134	1.099	Q	2	A	B
67	I	Phenanthrene-d10	188	18.081	1.000	A	2	A	B
68		4,6-Dinitro-2-methylphenol	198	16.204	0.896	L	2	A	B
69	C	N-Nitroso-diphenylamine	169	16.379	0.906	A	2	A	B
70		1,2-Diphenylhydrazine	182	16.449	0.910	A	1	A	B
71	S	2,4,6-Tribromophenol	330	16.594	0.918	L	2	A	B
72		4-Bromophenyl Phenyl Ether	248	17.230	0.953	A	1	A	B
73		Hexachlorobenzene	284	17.288	0.956	A	2	A	B
74		Atrazine	200	17.685	0.978	L	1	A	B
75	C	Pentachlorophenol	266	17.725	0.980	L	2	A	B
76		Phenanthrene	178	18.134	1.003	A	1	A	R
77		Anthracene	178	18.227	1.008	A	1	A	R
78		Carbazole	167	18.542	1.025	A	2	A	B
79	S	o-Terphenyl	230	18.815	1.041	Q	2	A	B
80		Di-n-butyl Phthalate	149	19.176	1.061	L	1	A	B
81	C	Fluoroanthene	202	19.964	1.104	A	1	A	R
82	I	Chrysene-d12	240	21.666	1.000	A	2	A	B
83		~~Benzidine~~ Use abse	184	20.162	0.931	A	1	A	B
84		Pyrene	202	20.255	0.935	A	1	A	R
85		Butyl Benzyl Phthalate	149	21.065	0.972	L	1	A	B
86		Bis(2-ethylhexyl) adipate	129	21.153	0.976	L	2	A	B
87		Benzo(a)anthracene	228	21.654	0.999	A	2	A	R
88		~~3,3'-Dichlorobenzidine~~ abse	252	21.631	0.998	A	1	A	B
89		Chrysene	228	21.695	1.001	A	1	A	R
90		Bis(2-ethylhexyl)phthalate	149	21.677	1.001	L	1	A	B
91		Dicyclohexyl Phthalate	149	21.712	1.002	L	2	A	B
92	C	Di-n-octyl Phthalate	149	22.382	1.033	L	1	A	B
93	I	Perylene-d12	264	23.403	1.000	A	2	A	B
94		Benzo(b)fluoroanthene	252	22.895	0.978	L	2	A	R
95		Benzo(k)fluoranthene	252	22.936	0.980	A	1	A	R
96	C	Benzo(a)pyrene	252	23.338	0.997	L	1	A	R
97		Indeno(1,2,3-cd)pyrene	276	25.133	1.074	A	1	A	B
98		Dibdenz(a,h)anthracene	278	25.168	1.075	A	1	A	B
99		Benzo(g,h,i)Perylene	276	25.664	1.097	A	1	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
#Qual = number of qualifiers
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

052112bna.M Tue May 22 09:42:06 2012 339

Response Factor Report 339

Method Path : C:\msdchem\1\methods\
Method File : 052112bna.M
Title : 8270/625 BNA
Last Update : Tue May 22 09:36:52 2012
Response Via : Initial Calibration

Calibration Files
2 =05ic0521a.D 3 =1ic0521.D 4 =2ic0521.D 5 =5ic0521.D 6 =10ic0521a.D 7 =15ic0521.D 8 =20ic0521.D
9 =25ic0521.D

		Compound	2	3	4	5	6	7	8	9	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		N-Nitroso-dime...	0.629	0.629	0.599	0.837	0.802	0.765	0.779	0.781	0.728	12.78
3)		Pyridine	1.203	1.226	1.132	1.557	1.475	1.404	1.427	1.426	1.356	11.06
4)	S	2-Fluorophenol	1.031	1.141	1.138	1.447	1.354	1.317	1.305	1.334	1.258	11.09
5)		Aniline	1.485	1.463	1.364	2.090	2.015	1.889	1.903	1.890	1.762	15.88
6)		Benzaldehyde	0.684	0.659	0.633	0.956	1.006	0.834	0.664	0.563	0.750	21.63
7)	S	Phenol-d6	1.264	1.401	1.399	1.762	1.647	1.588	1.539	1.551	1.519	10.40
8)	C	Phenol	1.550	1.529	1.434	1.958	1.823	1.733	1.732	1.714	1.684	10.15
9)		Bis(2-chloroet...	1.373	1.364	1.235	1.628	1.506	1.432	1.467	1.466	1.434	8.05
10)		2-Chlorophenol	1.108	1.108	1.043	1.436	1.349	1.298	1.330	1.331	1.250	11.42
11)		1,3-Dichlorobe...	1.440	1.399	1.286	1.705	1.547	1.491	1.509	1.500	1.485	8.13
12)	C	1,4-Dichlorobe...	1.428	1.372	1.254	1.635	1.490	1.428	1.437	1.436	1.435	7.45
13)		1,2-Dichlorobe...	1.389	1.334	1.217	1.621	1.480	1.405	1.386	1.363	1.399	8.32
14)		Bis(2-chlorois...	2.129	2.113	1.933	2.517	2.253	2.148	2.168	2.146	2.176	7.56
15)		Benzyl Alcohol	0.628	0.638	0.634	0.943	0.896	0.867	0.868	0.861	0.792	16.89
16)		2-Methylphenol	0.998	0.990	0.950	1.304	1.214	1.161	1.181	1.186	1.123	11.29
17)		Acetophenone	1.430	1.449	1.377	1.905	1.757	1.661	1.670	1.655	1.613	11.23
18)		Hexachloroethane	0.456	0.442	0.415	0.561	0.520	0.499	0.511	0.504	0.488	9.69
19)		4-Methylphenol	1.117	1.117	1.080	1.524	1.396	1.327	1.322	1.304	1.273	12.26
20)	P	N-Nitroso-di-n...	0.673	0.688	0.678	0.970	0.906	0.861	0.867	0.858	0.813	14.24
21)	I	Naphthalene-d8	----------ISTD----------									
22)	S	Nitrobenzene-d5	0.198	0.229	0.233	0.301	0.281	0.273	0.266	0.266	0.256	13.00
23)		Nitrobenzene	0.250	0.256	0.240	0.319	0.296	0.282	0.281	0.277	0.275	9.34
24)	S	Decafluorobiph...	0.175	0.184	0.177	0.220	0.193	0.183	0.171	0.164	0.183	9.31
25)		Isophorone	0.396	0.406	0.391	0.550	0.517	0.496	0.502	0.497	0.469	13.24
26)		2-Chloroaniline	0.325	0.326	0.301	0.408	0.376	0.365	0.369	0.365	0.354	9.65
27)	C	2-Nitrophenol	0.085	0.094	0.103	0.160	0.159	0.156	0.161	0.161	0.135	25.40
28)		2,4-Dimethylph...	0.196	0.203	0.194	0.265	0.251	0.234	0.241	0.240	0.228	11.80
29)		Bis(2-chloreth...	0.283	0.288	0.261	0.349	0.324	0.310	0.311	0.309	0.304	8.87
30)	C	2,4-Dichloroph...	0.170	0.179	0.178	0.251	0.236	0.230	0.230	0.229	0.213	14.86
31)		Benzoic Acid	0.000	0.011	0.033	0.101	0.153	0.154	0.172	0.180	0.101	74.90
32)		1,2,4-Trichlor...	0.229	0.225	0.201	0.268	0.243	0.235	0.236	0.232	0.234	8.02
33)		Naphthalene	0.851	0.831	0.755	0.985	0.879	0.838	0.825	0.799	0.846	7.93
34)		4-Chloroaniline	0.266	0.268	0.259	0.375	0.359	0.334	0.304	0.283	0.306	14.68
35)		2,6-Dichloroph...	0.175	0.186	0.182	0.255	0.231	0.222	0.218	0.214	0.210	13.11
36)	C	Hexachlorobuta...	0.107	0.107	0.095	0.128	0.117	0.113	0.113	0.111	0.111	8.60
37)		Caprolactam	0.033	0.047	0.061	0.111	0.115	0.112	0.114	0.114	0.088	39.51

Method Path : C:\msdchem\1\methods\
Method File : 052112bna.M
Title : 8270/625 BNA

38)		1,2-Bis(2-chlo...	0.215	0.225	0.212	0.286	0.263	0.251	0.247	0.243	0.243	10.28
39)	C	4-Chloro-3-met...	0.159	0.169	0.170	0.244	0.234	0.225	0.226	0.224	0.206	16.58
40)		2-Methylnaphth...	0.527	0.527	0.480	0.641	0.576	0.548	0.539	0.526	0.546	8.62
41)		1-Methylnaphth...	0.518	0.518	0.475	0.630	0.567	0.537	0.532	0.517	0.537	8.48
42)		1,3 Dinitroben...	0.038	0.049	0.058	0.095	0.096	0.093	0.093	0.086	0.076	31.30
43)	I	Acenaphthene-d10	----------ISTD----------									
44)		1,2,4,5-Tetrac...	0.357	0.354	0.315	0.423	0.374	0.355	0.353	0.344	0.360	8.54
45)	P	Hexachlorocycl...	0.113	0.122	0.129	0.205	0.201	0.190	0.199	0.197	0.169	23.70
46)	C	2,4,6-Trichlor...	0.162	0.177	0.186	0.282	0.269	0.261	0.272	0.279	0.236	21.78
47)		2,4,5-Trichlor...	0.176	0.190	0.194	0.288	0.279	0.268	0.274	0.273	0.243	19.44
48)	S	2-Fluorobiphenyl	0.922	1.000	0.952	1.156	0.976	0.893	0.841	0.808	0.943	11.42
49)		2-Chloronaphth...	0.886	0.880	0.792	1.044	0.898	0.826	0.797	0.759	0.860	10.41
50)		1,1'-Biphenyl	1.103	1.130	1.012	1.321	1.125	1.020	0.964	0.913	1.074	11.79
51)		2-Nitroaniline	0.108	0.129	0.162	0.289	0.305	0.300	0.316	0.321	0.241	37.80
52)		Acenaphthylene	1.309	1.348	1.231	1.682	1.511	1.421	1.422	1.390	1.414	9.65
53)		2,6-Dinitrotol...	0.126	0.144	0.156	0.243	0.229	0.222	0.228	0.226	0.197	23.62
54)		Dimethyl Phtha...	0.762	0.792	0.760	1.038	0.953	0.902	0.877	0.844	0.866	11.25
55)		3-Nitroaniline	0.115	0.131	0.147	0.215	0.238	0.217	0.215	0.201	0.185	25.23
56)	C	Acenaphthene	0.869	0.863	0.768	1.028	0.904	0.855	0.856	0.833	0.872	8.47
57)	P	2,4-Dinitrophenol	0.013	0.024	0.048	0.094	0.127	0.122	0.127	0.129	0.085	57.76
58)	P	Dibenzofuran	1.160	1.146	1.049	1.386	1.235	1.160	1.156	1.137	1.179	8.31
59)		4-Nitrophenol	0.061	0.080	0.102	0.136	0.148	0.135	0.130	0.130	0.115	26.88
60)		2,4-Dinitrotol...	0.135	0.170	0.196	0.300	0.294	0.281	0.288	0.290	0.244	27.18
61)		2,3,5,6-Tetrac...	0.096	0.113	0.125	0.204	0.206	0.197	0.208	0.208	0.169	28.94
62)		2,3,4,6-Tetrac...	0.112	0.125	0.128	0.203	0.198	0.192	0.194	0.196	0.169	23.26
63)		Fluorene	0.876	0.890	0.827	1.112	0.992	0.932	0.924	0.906	0.933	9.31
64)		Diethyl Phthalate	0.675	0.709	0.703	0.986	0.899	0.863	0.857	0.839	0.816	13.44
65)		4-Chlorophenyl...	0.385	0.382	0.350	0.472	0.419	0.400	0.399	0.395	0.400	8.82
66)		4-Nitroaniline	0.085	0.103	0.128	0.150	0.169	0.143	0.130	0.115	0.128	20.96
67)		Phenanthrene-d10	----------ISTD----------									
68)		4,6-Dinitro-2-...	0.018	0.027	0.042	0.082	0.098	0.097	0.102	0.104	0.071	50.99
69)	C	N-Nitroso-diph...	0.454	0.460	0.426	0.587	0.537	0.506	0.512	0.511	0.499	10.27
70)		1,2-Diphenylhy...	0.141	0.149	0.139	0.197	0.182	0.175	0.179	0.180	0.168	12.79
71)	S	2,4,6-Tribromo...	0.038	0.048	0.053	0.077	0.074	0.070	0.069	0.069	0.062	22.41
72)		4-Bromophenyl ...	0.130	0.129	0.116	0.159	0.144	0.140	0.143	0.143	0.138	9.40
73)		Hexachlorobenzene	0.169	0.162	0.143	0.191	0.168	0.160	0.162	0.160	0.164	8.13
74)		Atrazine	0.071	0.078	0.085	0.137	0.123	0.114	0.117	0.123	0.106	23.04
75)	C	Pentachlorophenol		0.044	0.051	0.087	0.102	0.091	0.094	0.094	0.081	28.58
76)		Phenanthrene	0.837	0.811	0.729	0.961	0.852	0.788	0.785	0.765	0.816	8.62
77)		Anthracene	0.731	0.735	0.709	0.971	0.871	0.801	0.789	0.761	0.796	10.93
78)		Carbazole	0.602	0.626	0.597	0.811	0.740	0.658	0.635	0.626	0.662	11.35
79)	S	o-Terphenyl	0.341	0.369	0.369	0.428	0.334	0.286	0.249	0.236	0.326	20.07
80)		Di-n-butyl Pht...	0.516	0.560	0.602	0.971	0.953	0.889	0.888	0.863	0.780	24.05
81)	C	Fluoroanthene	0.640	0.644	0.616	0.831	0.776	0.706	0.694	0.688	0.699	10.36
82)	I	Chrysene-d12	----------ISTD----------									

Method Path : C:\msdchem\1\methods\
Method File : 052112bna.M
Title : 8270/625 BNA

83)		Benzidine	0.039	0.012	0.003	0.000	0.001	0.087	0.065	0.181	0.048	129.24
84)		Pyrene	1.312	1.347	1.254	1.788	1.522	1.468	1.500	1.505	1.462	11.34
85)		Butyl Benzyl P...	0.228	0.255	0.280	0.518	0.575	0.583	0.629	0.654	0.465	38.61
86)		Bis(2-ethylhex...	0.219	0.252	0.267	0.491	0.553	0.565	0.605	0.608	0.445	38.03
87)		Benzo(a)anthra...	1.023	1.019	0.921	1.236	1.118	1.076	1.089	1.099	1.072	8.48
88)		3,3'-Dichlorob...	0.007	0.003	0.002	0.001	0.000	0.000	0.000	0.000	0.002#	152.05
89)		Chrysene	1.026	1.031	0.931	1.250	1.111	1.019	1.005	0.978	1.044	9.34
90)		Bis(2-ethylhex...	0.362	0.392	0.410	0.685	0.689	0.703	0.730	0.726	0.587	28.34
91)		Dicyclohexyl P...	0.506	0.572	0.610	1.107	1.141	1.084	1.125	1.130	0.909	31.79
92)	C	Di-n-octyl Pht...			0.557	0.976	1.130	1.133	1.256	1.310	1.060	25.70
93)	I	Perylene-d12	----------ISTD----------									
94)		Benzo(b)fluoro...	0.783	0.773	0.708	1.057	1.036	0.982	1.051	1.049	0.930	15.95
95)		Benzo(k)fluora...	0.783	0.836	0.771	1.080	0.978	1.007	0.963	1.021	0.930	12.58
96)	C	Benzo(a)pyrene	0.683	0.702	0.650	0.981	0.926	0.908	0.941	0.971	0.845	16.66
97)		Indeno(1,2,3-c...	0.621	0.701	0.618	0.911	0.748	0.717	0.708		0.718	13.69
98)		Dibdenz(a,h)an...	0.512	0.559	0.503	0.765	0.635	0.613	0.608		0.599	14.87
99)		Benzo(g,h,i)Pe...	0.574	0.613	0.535	0.740	0.574	0.548	0.531		0.588	12.39

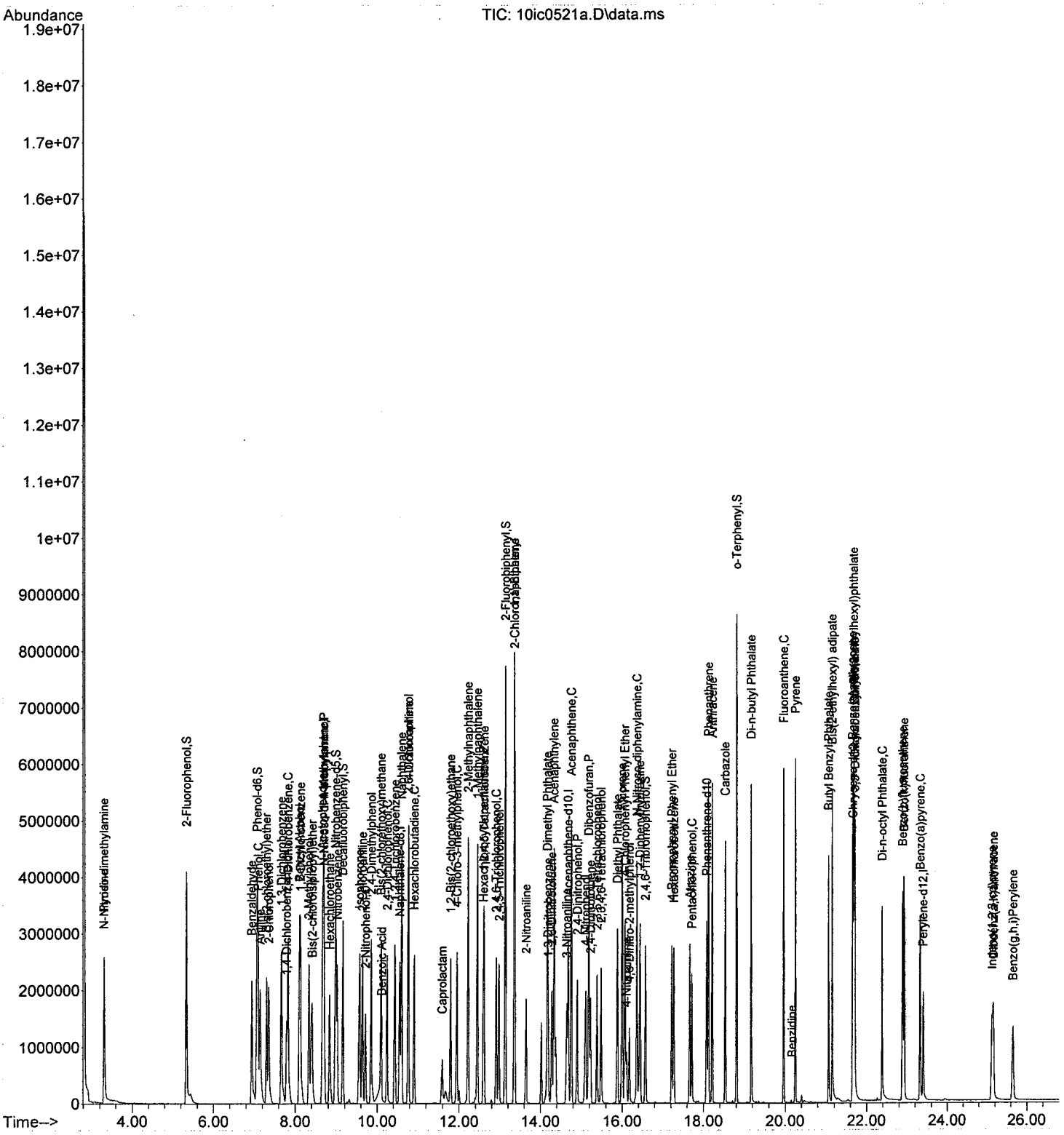
(#) = Out of Range

9965

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:20:11 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration



00666

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:20:11 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	502945	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.551	136	2229321	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.677	164	1251870	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.075	188	1856780	5.00	ng/uL	0.00
82) Chrysene-d12	21.660	240	974068	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	971029	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	2724492	22.05	ng/uL	0.00
7) Phenol-d6	7.071	99	3312846	21.83	ng/uL	0.00
22) Nitrobenzene-d5	8.977	82	2509265	17.31	ng/uL	0.00
24) Decafluorobiphenyl	9.152	334	1719620	16.16	ng/uL	0.00
48) 2-Fluorobiphenyl	13.133	172	4885102	19.78	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.572	330	546842	19.37	ng/uL	0.00
79) o-Terphenyl	18.810	230	2477712	16.86	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.300	74	806547	10.66	ng/uL	81
3) Pyridine	3.306	79	1483885	10.37	ng/uL	92
5) Aniline	7.147	93	2026664	10.90	ng/uL	91
6) Benzaldehyde	6.937	105	1012337	11.47	ng/uL#	1
8) Phenol	7.094	94	1834060	11.40	ng/uL	92
9) Bis(2-chloroethyl)ether	7.298	93	1514930	10.83	ng/uL	100
10) 2-Chlorophenol	7.357	128	1356700	11.07	ng/uL#	27
11) 1,3-Dichlorobenzene	7.666	146	1555836	10.41	ng/uL	94
12) 1,4-Dichlorobenzene	7.823	146	1498550	10.46	ng/uL	95
13) 1,2-Dichlorobenzene	8.126	146	1489052	10.62	ng/uL	95
14) Bis(2-chloroisipropyl)...	8.412	45	2266296	12.38	ng/uL	95
15) Benzyl Alcohol	8.103	108	901662m	11.08	ng/uL	
16) 2-Methylphenol	8.330	108	1221547	11.27	ng/uL	93
17) Acetophenone	8.662	105	1767219	10.60	ng/uL	92
18) Hexachloroethane	8.831	119	523277	10.00	ng/uL	96
19) 4-Methylphenol	8.686	107	1404327	11.43	ng/uL#	60
20) N-Nitroso-di-n-propyla...	8.697	70	911117	10.01	ng/uL#	66
23) Nitrobenzene	9.018	77	1318880	9.39	ng/uL#	1
25) Isophorone	9.566	82	2305408	10.08	ng/uL	96
26) 2-Chloroaniline	9.636	127	1675050	10.81	ng/uL	93
27) 2-Nitrophenol	9.711	139	708087	10.52	ng/uL#	74
28) 2,4-Dimethylphenol	9.851	107	1119217	9.51	ng/uL#	59
29) Bis(2-chlorethoxy)methane	10.090	93	1445033	10.71	ng/uL	99
30) 2,4-Dichlorophenol	10.242	162	1052145	10.75	ng/uL	97
31) Benzoic Acid	10.108	105	682535	9.06	ng/uL	94
32) 1,2,4-Trichlorobenzene	10.434	180	1083882	9.09	ng/uL	99
33) Naphthalene	10.597	128	3920173	10.43	ng/uL#	95
34) 4-Chloroaniline	10.766	127	1598652	12.02	ng/uL	91
35) 2,6-Dichlorophenol	10.761	162	1032061	10.75	ng/uL	92
36) Hexachlorobutadiene	10.906	225	519996	7.52	ng/uL	98
37) Caprolactam	11.588	55	512217m	10.65	ng/uL	
38) 1,2-Bis(2-chloroethoxy...	11.792	63	1170626	10.14	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.944	107	1043981	9.01	ng/uL	90
40) 2-Methylnaphthalene	12.218	142	2569566	10.22	ng/uL	96
41) 1-Methylnaphthalene	12.445	142	2526119	10.25	ng/uL	95

00667

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:20:11 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.188	168	429522	10.16 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.608	216	935724	9.26 ng/uL	99
45) Hexachlorocyclopentadiene	12.591	237	502734	8.10 ng/uL	98
46) 2,4,6-Trichlorophenol	12.905	196	673840	9.30 ng/uL	97
47) 2,4,5-Trichlorophenol	12.975	196	698480	9.43 ng/uL	98
49) 2-Chloronaphthalene	13.360	162	2248091	10.24 ng/uL	99
50) 1,1'-Biphenyl	13.354	154	2817088	10.08 ng/uL	97
51) 2-Nitroaniline	13.646	138	763194	10.63 ng/uL	91
52) Acenaphthylene	14.334	152	3782760	10.52 ng/uL#	81
53) 2,6-Dinitrotoluene	14.281	165	572409	9.91 ng/uL	89
54) Dimethyl Phthalate	14.170	163	2384927	10.19 ng/uL	96
55) 3-Nitroaniline	14.642	138	596571	11.54 ng/uL#	1
56) Acenaphthene	14.759	153	2264137	10.04 ng/uL	97
57) 2,4-Dinitrophenol	14.905	184	633530	17.92 ng/uL#	79
58) Dibenzofuran	15.179	168	3093325	10.06 ng/uL	92
59) 4-Nitrophenol	15.103	65	740706	16.33 ng/uL	83
60) 2,4-Dinitrotoluene	15.225	165	736334	9.63 ng/uL#	82
61) 2,3,5,6-Tetrachlorophenol	15.383	232	514846	8.63 ng/uL	98
62) 2,3,4,6-Tetrachlorophenol	15.482	232	496375	8.52 ng/uL	95
63) Fluorene	15.995	166	2483842	10.10 ng/uL	96
64) Diethyl Phthalate	15.884	149	2251233	9.38 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.065	204	1050067	8.99 ng/uL	92
66) 4-Nitroaniline	16.105	138	423082	14.07 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.175	198	365614	9.86 ng/uL	95
69) N-Nitroso-diphenylamine	16.362	169	1992472	11.56 ng/uL	99
70) 1,2-Diphenylhydrazine	16.438	182	675035	10.93 ng/uL	82
72) 4-Bromophenyl Phenyl E...	17.219	248	534304	9.75 ng/uL	98
73) Hexachlorobenzene	17.271	284	622549	9.75 ng/uL	97
74) Atrazine	17.667	200	458375	9.45 ng/uL	93
75) Pentachlorophenol	17.714	266	377488	9.88 ng/uL	98
76) Phenanthrene	18.122	178	3165086	10.10 ng/uL	98
77) Anthracene	18.215	178	3234068	10.59 ng/uL	99
78) Carbazole	18.530	167	2748433	12.01 ng/uL	98
80) Di-n-butyl Phthalate	19.171	149	3539474	11.02 ng/uL	99
81) Fluoroanthene	19.958	202	2879954	10.14 ng/uL	98
83) Benzidine	20.162	184	1304	0.11 ng/uL	100
84) Pyrene	20.250	202	2965140	11.47 ng/uL#	91
85) Butyl Benzyl Phthalate	21.060	149	1120689	11.33 ng/uL	82
86) Bis(2-ethylhexyl) adipate	21.147	129	1077059	12.63 ng/uL#	100
87) Benzo(a)anthracene	21.648	228	2177715	10.47 ng/uL#	96
88) 3,3'-Dichlorobenzidine	21.713	252	324	1.00 ng/uL#	19
89) Chrysene	21.689	228	2163891	10.25 ng/uL#	84
90) Bis(2-ethylhexyl)phtha...	21.678	149	1341457	11.04 ng/uL	93
91) Dicyclohexyl Phthalate	21.707	149	2223128	12.08 ng/uL#	100
92) Di-n-octyl Phthalate	22.383	149	2200710	11.04 ng/uL	99
94) Benzo(b)fluoroanthene	22.890	252	2011945	10.92 ng/uL#	95
95) Benzo(k)fluoranthene	22.925	252	1899185	10.60 ng/uL#	83
96) Benzo(a)pyrene	23.327	252	1797760	10.17 ng/uL#	88
97) Indeno(1,2,3-cd)pyrene	25.128	276	1452548	10.70 ng/uL#	71
98) Dibdenz(a,h)anthracene	25.163	278	1233905	10.79 ng/uL#	79
99) Benzo(g,h,i)Perylene	25.653	276	1115597	10.12 ng/uL#	78

00668

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:20:11 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

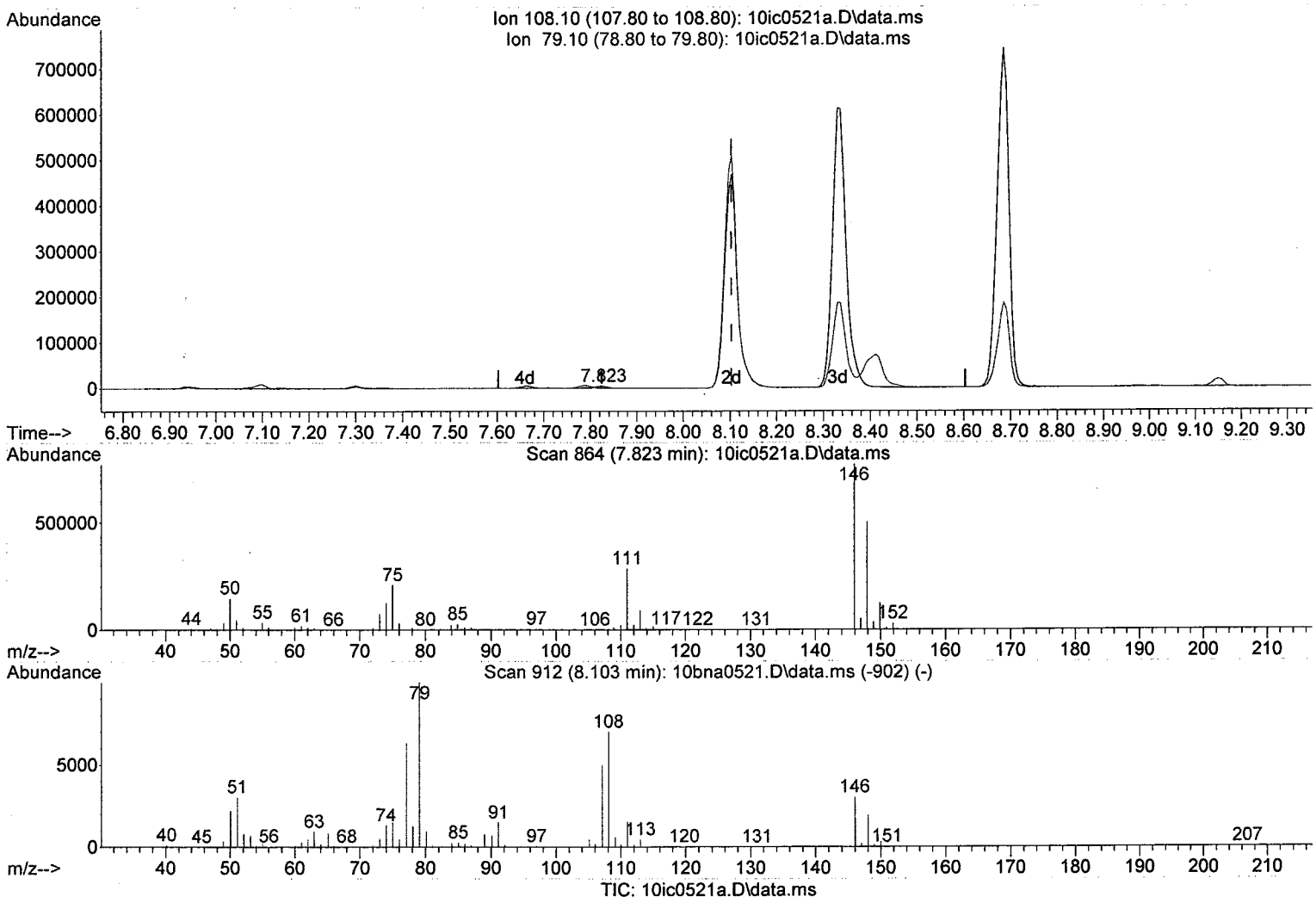
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00669

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:19:16 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration



TIC: 10ic0521a.D\data.ms

(15) Benzyl Alcohol

7.823min (-0.280) 0.24 ng/uL

response 9318

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	132.38
0.00	0.00	0.00
0.00	0.00	0.00

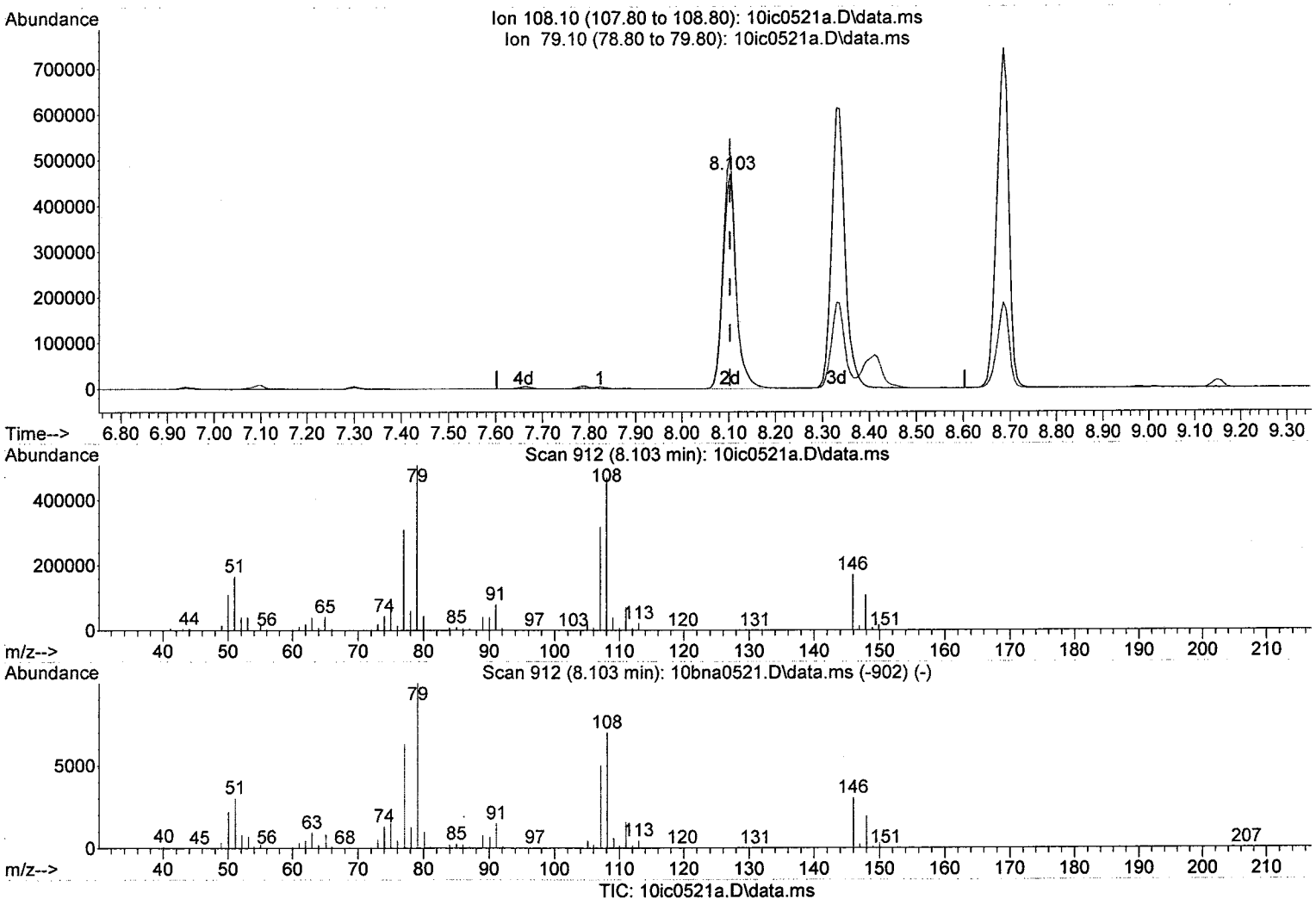
JLB 5/23/12

00670

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:19:16 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration



TIC: 10ic0521a.D\data.ms

(15) Benzyl Alcohol

8.103min (0.000) 11.08 ng/uL m

response 901662

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	1.37#
0.00	0.00	0.00
0.00	0.00	0.00

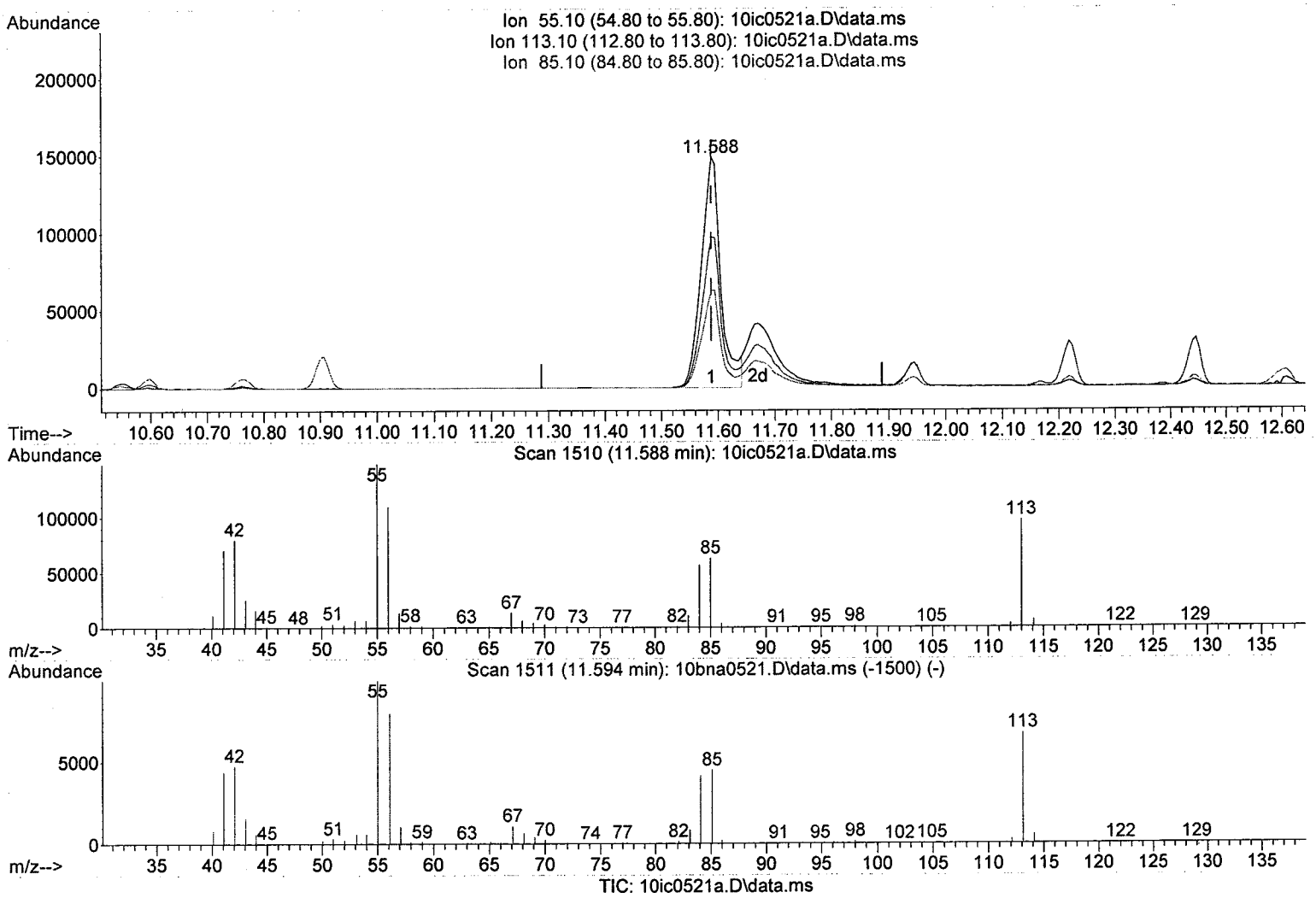
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JWS Date: 5/23/12
Reviewed By: [illegible] Date: 5/24

00671

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:19:16 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration



(37) Caprolactam

11.588min (0.000) 7.61 ng/uL

response 355563

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	65.73
85.10	46.10	40.91
0.00	0.00	0.00

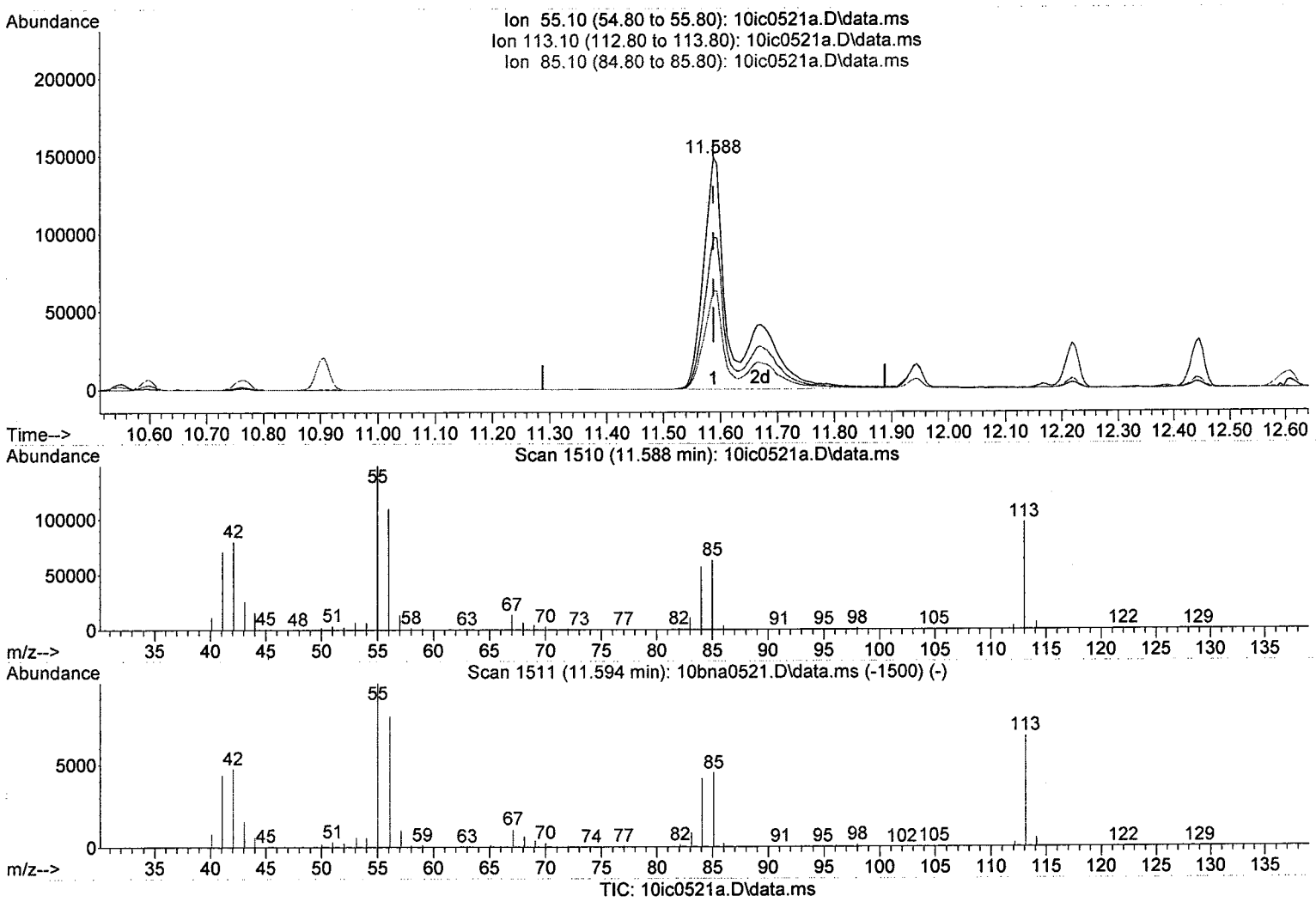
JW 5/23/12

00672

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10ic0521a.D
Acq On : 21 May 2012 16:12
Operator : JLB
Sample : 10ic0521a Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 09:19:16 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:19:11 2012
Response via : Initial Calibration



TIC: 10ic0521a.D\data.ms

(37) Caprolactam

11.588min (0.000) 10.65 ng/uL m

response 512217

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	45.63#
85.10	46.10	28.39#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

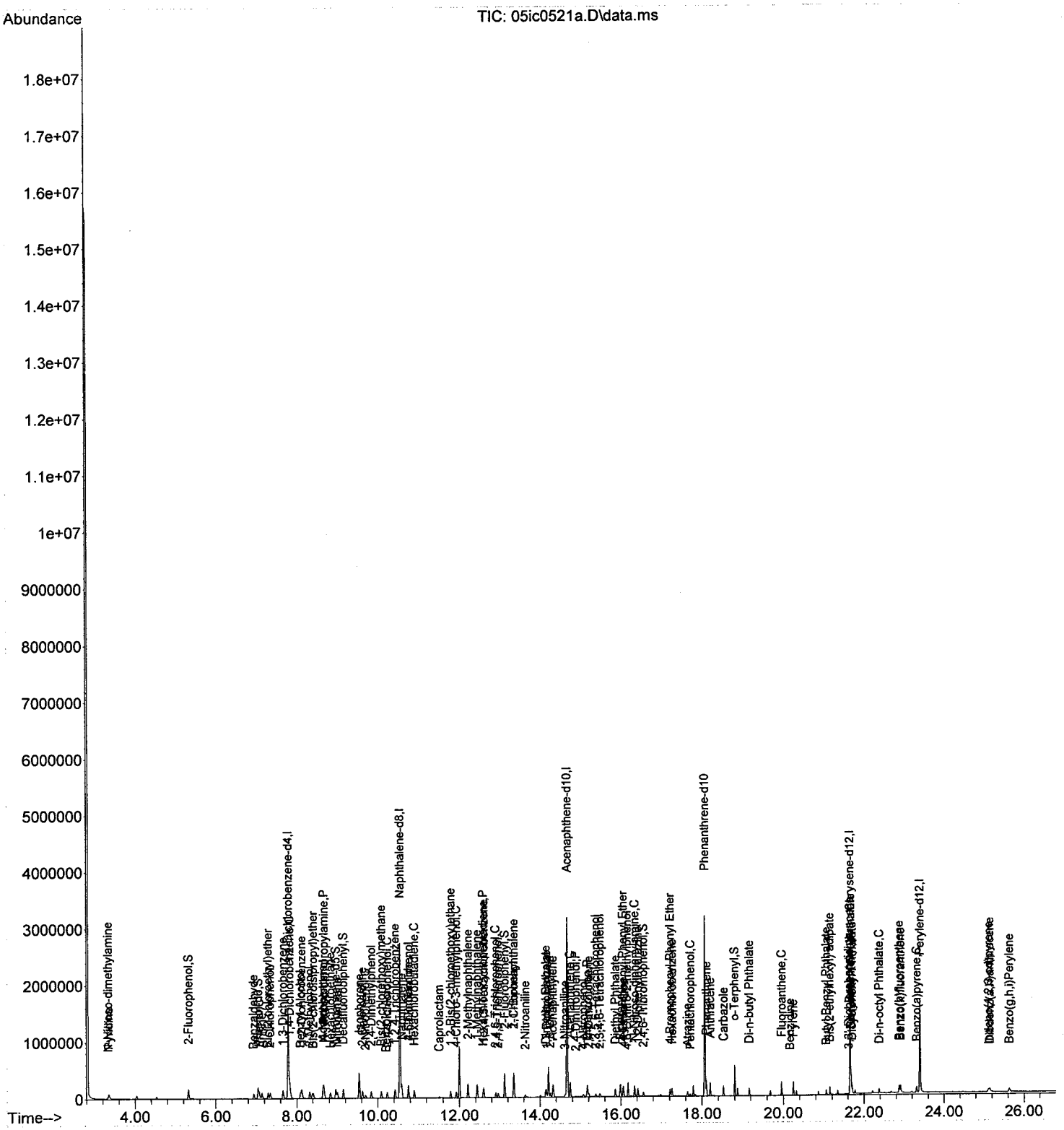
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 5/23/12
Reviewed By: [illegible] Date: [illegible]

00673

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 05ic0521a.D
Acq On : 21 May 2012 16:45
Operator : JLB
Sample : 05ic0521a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 09:22:28 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:21:27 2012
Response via : Initial Calibration



00674

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 05ic0521a.D
Acq On : 21 May 2012 16:45
Operator : JLB
Sample : 05ic0521a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 09:22:28 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:21:27 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	542097	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.545	136	2364415	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.672	164	1273359	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.070	188	1760133	5.00	ng/uL	0.00
82) Chrysene-d12	21.654	240	867632	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	855824	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.322	112	111788	0.84	ng/uL	-0.01
7) Phenol-d6	7.048	99	137081	0.84	ng/uL	-0.02
22) Nitrobenzene-d5	8.959	82	93708	1.16	ng/uL	-0.02
24) Decafluorobiphenyl	9.146	334	82816	0.73	ng/uL	0.00
48) 2-Fluorobiphenyl	13.121	172	234795	0.93	ng/uL	-0.01
71) 2,4,6-Tribromophenol	16.560	330	13541	1.17	ng/uL	-0.01
79) o-Terphenyl	18.798	230	120115	0.86	ng/uL	-0.01
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.329	74	34100	0.50	ng/uL	83
3) Pyridine	3.346	79	65214	0.38	ng/uL	89
5) Aniline	7.141	93	80492	0.46	ng/uL	92
6) Benzaldehyde	6.937	105	37099	0.77	ng/uL#	1
8) Phenol	7.071	94	84010	0.48	ng/uL#	55
9) Bis(2-chloroethyl)ether	7.292	93	74429	0.49	ng/uL	100
10) 2-Chlorophenol	7.345	128	60063	0.45	ng/uL#	17
11) 1,3-Dichlorobenzene	7.660	146	78072	0.48	ng/uL	95
12) 1,4-Dichlorobenzene	7.823	146	77408	0.50	ng/uL	95
13) 1,2-Dichlorobenzene	8.120	146	75318	0.50	ng/uL	96
14) Bis(2-chloroisipropyl)...	8.406	45	115426	0.58	ng/uL	94
15) Benzyl Alcohol	8.091	108	34056	0.51	ng/uL#	75
16) 2-Methylphenol	8.318	108	54124	0.46	ng/uL	94
17) Acetophenone	8.651	105	77531	0.43	ng/uL#	91
18) Hexachloroethane	8.831	119	24725	0.44	ng/uL	95
19) 4-Methylphenol	8.662	107	60535	0.46	ng/uL#	59
20) N-Nitroso-di-n-propyla...	8.674	70	36506	0.68	ng/uL#	56
23) Nitrobenzene	9.000	77	59218	0.40	ng/uL#	14
25) Isophorone	9.548	82	93518	0.39	ng/uL	98
26) 2-Chloroaniline	9.624	127	76941	0.47	ng/uL	95
27) 2-Nitrophenol	9.700	139	20090	0.67	ng/uL#	78
28) 2,4-Dimethylphenol	9.840	107	46248	0.37	ng/uL	87
29) Bis(2-chlorethoxy)methane	10.084	93	66814	0.47	ng/uL	97
30) 2,4-Dichlorophenol	10.230	162	40165	0.39	ng/uL	98
31) Benzoic Acid	10.207	105	115	1.95	ng/uL#	17
32) 1,2,4-Trichlorobenzene	10.422	180	54037	0.43	ng/uL	99
33) Naphthalene	10.591	128	201165	0.50	ng/uL#	94
34) 4-Chloroaniline	10.755	127	62879	0.45	ng/uL	95
35) 2,6-Dichlorophenol	10.755	162	41491	0.41	ng/uL	94
36) Hexachlorobutadiene	10.900	225	25337	0.35	ng/uL	97
37) Caprolactam	11.507	55	7839m	0.80	ng/uL	
38) 1,2-Bis(2-chloroethoxy...	11.786	63	50812	0.28	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.920	107	37605	0.60	ng/uL	92
40) 2-Methylnaphthalene	12.212	142	124496	0.47	ng/uL	96
41) 1-Methylnaphthalene	12.433	142	122536	0.47	ng/uL	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 05ic0521a.D
Acq On : 21 May 2012 16:45
Operator : JLB
Sample : 05ic0521a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 09:22:28 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:21:27 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.164	168	8985	0.67 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.602	216	45506	0.44 ng/uL	97
45) Hexachlorocyclopentadiene	12.585	237	14390	0.91 ng/uL	97
46) 2,4,6-Trichlorophenol	12.894	196	20629	0.53 ng/uL	96
47) 2,4,5-Trichlorophenol	12.958	196	22378	0.47 ng/uL	98
49) 2-Chloronaphthalene	13.348	162	112856	0.51 ng/uL	99
50) 1,1'-Biphenyl	13.343	154	140485	0.49 ng/uL	97
51) 2-Nitroaniline	13.634	138	13802	0.93 ng/uL	99
52) Acenaphthylene	14.322	152	166717	0.46 ng/uL#	85
53) 2,6-Dinitrotoluene	14.258	165	16031	0.58 ng/uL	96
54) Dimethyl Phthalate	14.147	163	96999	0.41 ng/uL	98
55) 3-Nitroaniline	14.619	138	14617	0.46 ng/uL#	1
56) Acenaphthene	14.747	153	110637	0.48 ng/uL	99
57) 2,4-Dinitrophenol	14.881	184	3412	2.32 ng/uL#	75
58) Dibenzofuran	15.167	168	147662	0.47 ng/uL	93
59) 4-Nitrophenol	15.068	65	15479	1.75 ng/uL#	92
60) 2,4-Dinitrotoluene	15.202	165	17187	0.71 ng/uL#	91
61) 2,3,5,6-Tetrachlorophenol	15.371	232	12175	0.71 ng/uL	95
62) 2,3,4,6-Tetrachlorophenol	15.476	232	14275	0.66 ng/uL	93
63) Fluorene	15.989	166	111519	0.45 ng/uL	97
64) Diethyl Phthalate	15.861	149	86008	0.49 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.053	204	49069	0.41 ng/uL#	91
66) 4-Nitroaniline	16.070	138	10839	0.35 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.158	198	3159	0.97 ng/uL#	87
69) N-Nitroso-diphenylamine	16.344	169	79838	0.49 ng/uL	99
70) 1,2-Diphenylhydrazine	16.426	182	24884	0.43 ng/uL	94
72) 4-Bromophenyl Phenyl E...	17.213	248	22868	0.44 ng/uL	97
73) Hexachlorobenzene	17.265	284	29705	0.49 ng/uL	97
74) Atrazine	17.644	200	12524	0.86 ng/uL	98
75) Pentachlorophenol	17.714	266	6657	0.52 ng/uL	97
76) Phenanthrene	18.110	178	147399	0.50 ng/uL	97
77) Anthracene	18.204	178	128731	0.44 ng/uL	99
78) Carbazole	18.524	167	106040	0.49 ng/uL	97
80) Di-n-butyl Phthalate	19.165	149	90871	0.70 ng/uL	100
81) Fluoroanthene	19.952	202	112662	0.42 ng/uL	98
83) Benzidine	20.162	184	3380	0.32 ng/uL	97
84) Pyrene	20.244	202	113814	0.49 ng/uL#	90
85) Butyl Benzyl Phthalate	21.054	149	19772	1.08 ng/uL	89
86) Bis(2-ethylhexyl) adipate	21.141	129	19040	0.87 ng/uL#	100
87) Benzo(a)anthracene	21.643	228	88736	0.48 ng/uL#	89
88) 3,3'-Dichlorobenzidine	21.619	252	626	2.17 ng/uL	88
89) Chrysene	21.678	228	89034	0.47 ng/uL#	86
90) Bis(2-ethylhexyl)phtha...	21.672	149	31368	0.97 ng/uL	96
91) Dicyclohexyl Phthalate	21.707	149	43883	0.85 ng/uL#	100
92) Di-n-octyl Phthalate	22.377	149	39845	1.70 ng/uL	100
94) Benzo(b)fluoroanthene	22.878	252	67021	0.41 ng/uL#	92
95) Benzo(k)fluoranthene	22.913	252	67026	0.42 ng/uL#	79
96) Benzo(a)pyrene	23.315	252	58458	0.60 ng/uL#	87
97) Indeno(1,2,3-cd)pyrene	25.116	276	53152	0.44 ng/uL#	63
98) Dibdenz(a,h)anthracene	25.146	278	43800	0.43 ng/uL#	79
99) Benzo(g,h,i)Perylene	25.629	276	49157	0.22 ng/uL#	73

00676

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 05ic0521a.D
Acq On : 21 May 2012 16:45
Operator : JLB
Sample : 05ic0521a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 09:22:28 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:21:27 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

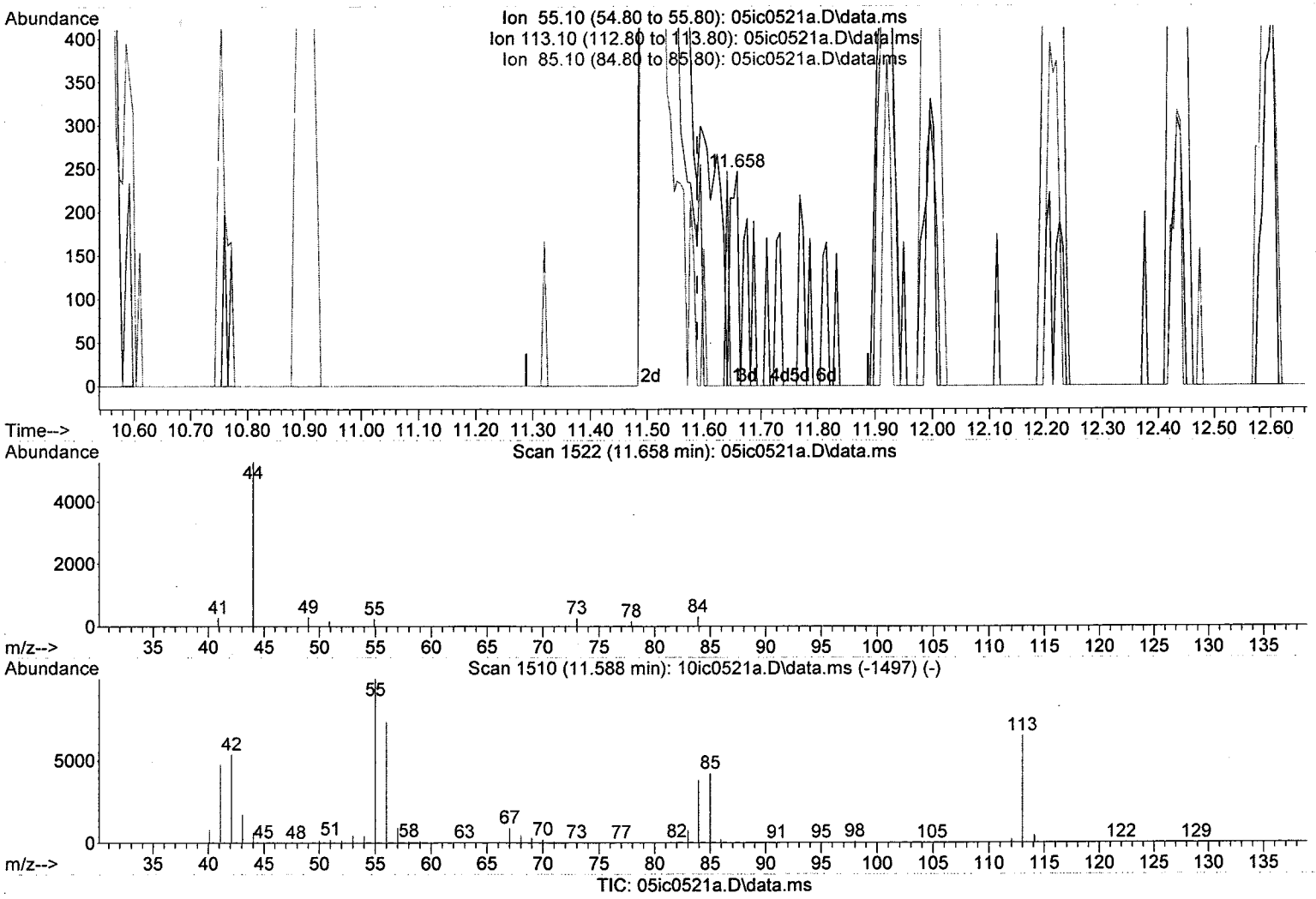
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00677

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 05ic0521a.D
Acq On : 21 May 2012 16:45
Operator : JLB
Sample : 05ic0521a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 09:21:37 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:21:27 2012
Response via : Initial Calibration



TIC: 05ic0521a.D\data.ms

(37) Caprolactam

11.658min (+ 0.070) 0.66 ng/uL

response 237

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	0.00#
85.10	46.10	53.59
0.00	0.00	0.00

JLB 5-23-12

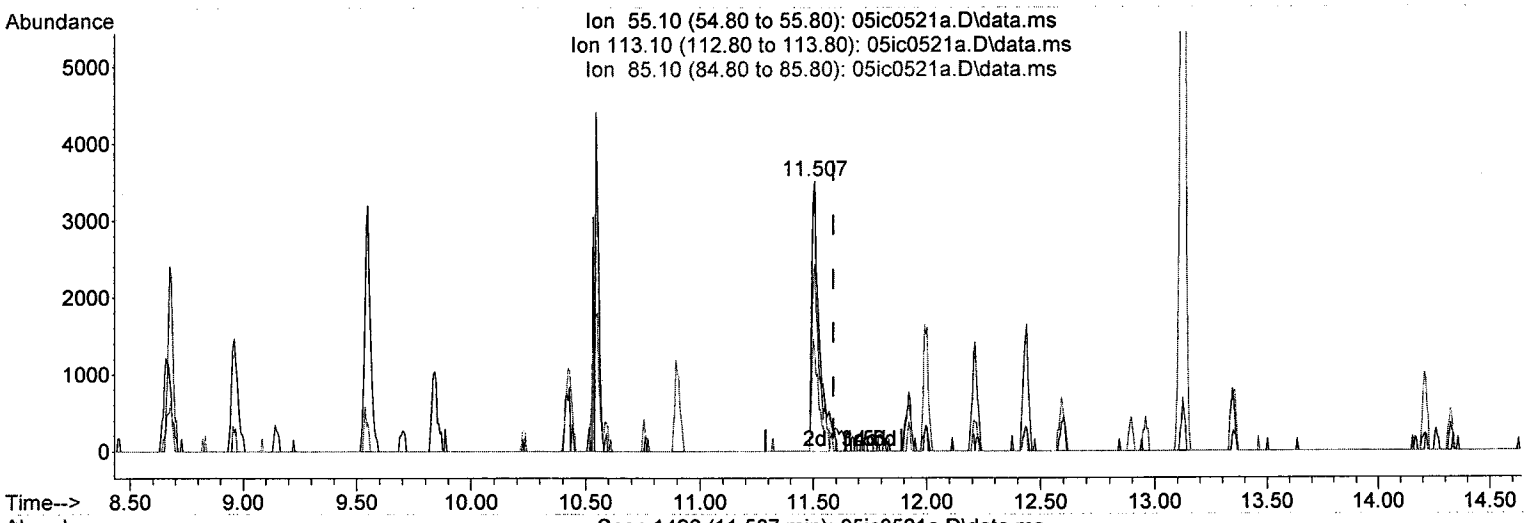
C12L

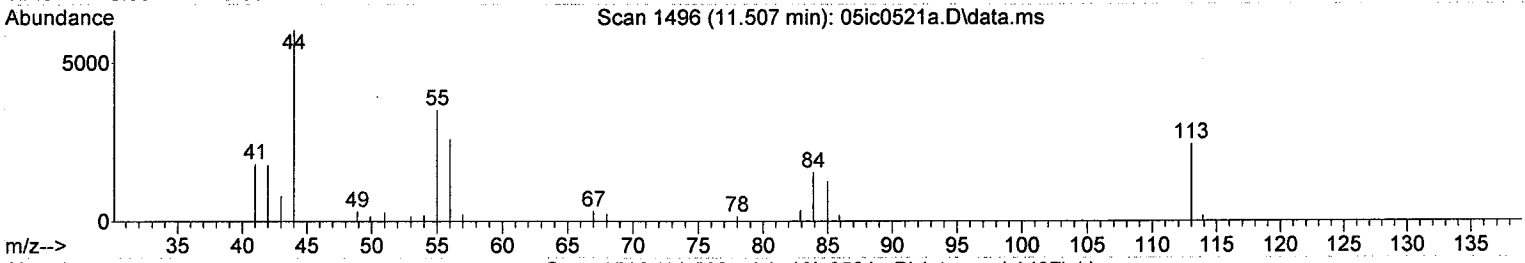
00678

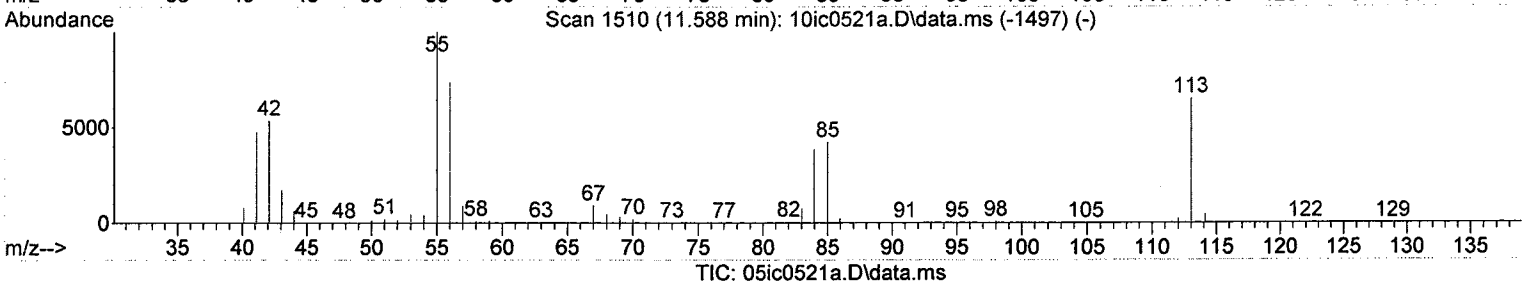
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 05ic0521a.D
Acq On : 21 May 2012 16:45
Operator : JLB
Sample : 05ic0521a Inst : 339
ALS Vial : 2 Sample Multiplier: 1

Quant Time: May 22 09:21:37 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:21:27 2012
Response via : Initial Calibration







TIC: 05ic0521a.D\data.ms

(37) Caprolactam

11.507min (-0.082) 0.80 ng/uL m

response 7839

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	0.00#
85.10	46.10	1.62#
0.00	0.00	0.00

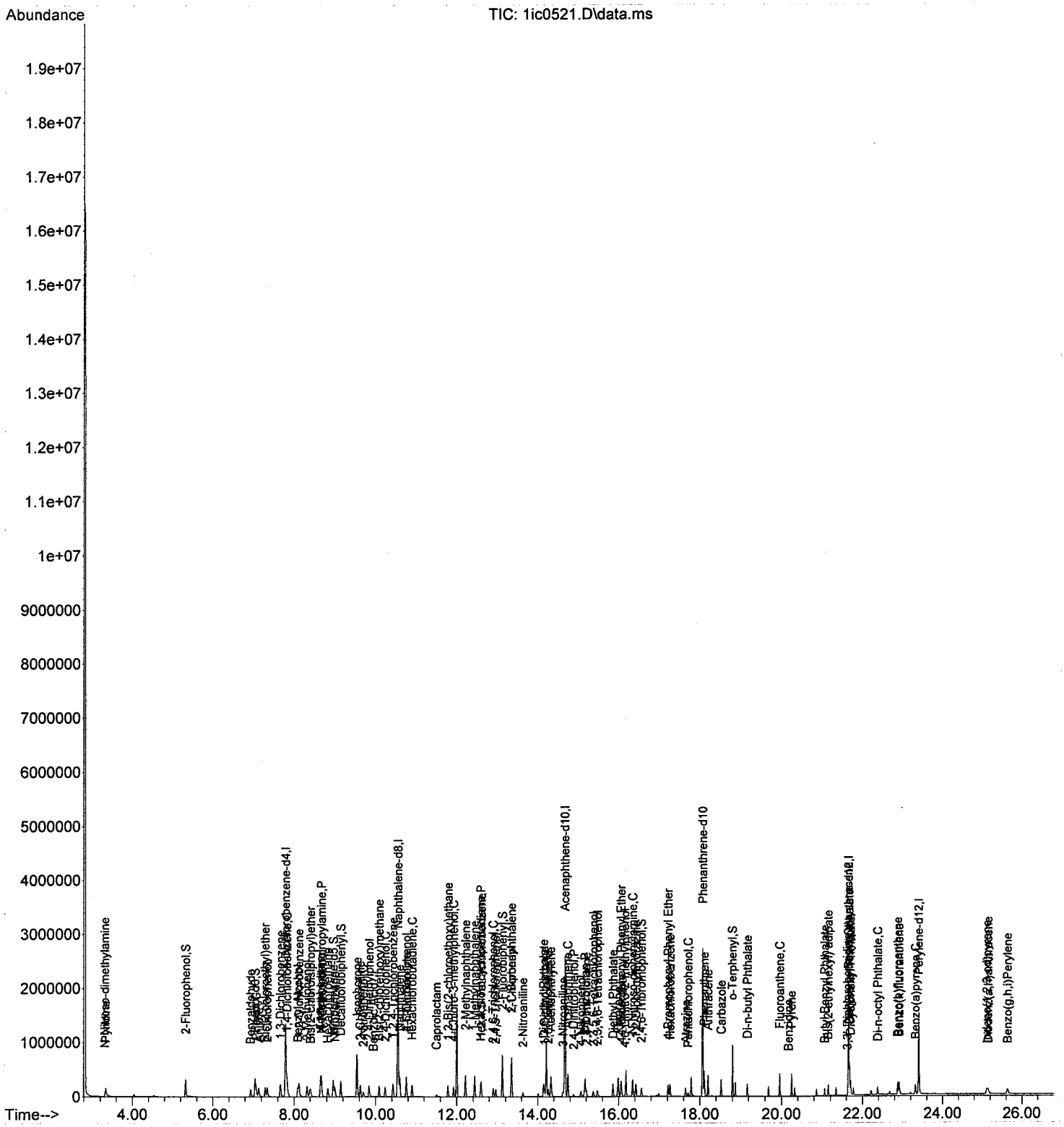
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 5/23/12
Reviewed By: RJC Date:

00679

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1ic0521.D
Acq On : 21 May 2012 17:18
Operator : JLB
Sample : 1ic0521 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:24:22 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:23:46 2012
Response via : Initial Calibration



00680

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1ic0521.D
Acq On : 21 May 2012 17:18
Operator : JLB
Sample : 1ic0521 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:24:22 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:23:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	451891	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.545	136	1953112	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.671	164	1050983	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.069	188	1484004	5.00	ng/uL	0.00
82) Chrysene-d12	21.654	240	716393	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	693719	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.322	112	206214	1.86	ng/uL	0.00
7) Phenol-d6	7.047	99	253306	1.87	ng/uL	0.00
22) Nitrobenzene-d5	8.959	82	179120	1.93	ng/uL	0.00
24) Decafluorobiphenyl	9.146	334	143386	1.58	ng/uL	0.00
48) 2-Fluorobiphenyl	13.121	172	420454	2.04	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.560	330	28455	1.92	ng/uL	0.00
79) o-Terphenyl	18.798	230	219063	1.90	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.317	74	56810	0.89	ng/uL	92
3) Pyridine	3.335	79	110777	0.81	ng/uL	87
5) Aniline	7.141	93	132189	0.84	ng/uL	95
6) Benzaldehyde	6.937	105	59563	1.03	ng/uL#	1
8) Phenol	7.071	94	138203	0.96	ng/uL#	57
9) Bis(2-chloroethyl)ether	7.292	93	123252	0.98	ng/uL	100
10) 2-Chlorophenol	7.345	128	100162	0.91	ng/uL#	17
11) 1,3-Dichlorobenzene	7.659	146	126417	0.95	ng/uL	95
12) 1,4-Dichlorobenzene	7.823	146	124037	0.96	ng/uL	99
13) 1,2-Dichlorobenzene	8.120	146	120532	0.96	ng/uL	97
14) Bis(2-chloroisipropyl)...	8.406	45	190995	1.13	ng/uL	93
15) Benzyl Alcohol	8.091	108	57640	0.90	ng/uL#	75
16) 2-Methylphenol	8.318	108	89511	0.92	ng/uL	95
17) Acetophenone	8.650	105	130988	0.88	ng/uL#	91
18) Hexachloroethane	8.825	119	39924	0.86	ng/uL	94
19) 4-Methylphenol	8.662	107	100937	0.92	ng/uL#	57
20) N-Nitroso-di-n-propyla...	8.674	70	62191	1.04	ng/uL#	55
23) Nitrobenzene	9.000	77	100059	0.82	ng/uL#	1
25) Isophorone	9.548	82	158498	0.80	ng/uL	97
26) 2-Chloroaniline	9.624	127	127448	0.94	ng/uL	95
27) 2-Nitrophenol	9.700	139	36688	0.95	ng/uL#	77
28) 2,4-Dimethylphenol	9.839	107	79370	0.78	ng/uL	90
29) Bis(2-chlorethoxy)methane	10.084	93	112336	0.95	ng/uL	98
30) 2,4-Dichlorophenol	10.230	162	70077	0.83	ng/uL	98
31) Benzoic Acid	9.944	105	4245m	1.63	ng/uL	
32) 1,2,4-Trichlorobenzene	10.422	180	87773	0.86	ng/uL	99
33) Naphthalene	10.591	128	324718	0.99	ng/uL#	94
34) 4-Chloroaniline	10.754	127	104824	0.90	ng/uL	98
35) 2,6-Dichlorophenol	10.754	162	72525	0.87	ng/uL	93
36) Hexachlorobutadiene	10.900	225	41731	0.72	ng/uL	97
37) Caprolactam	11.501	55	18497	1.06	ng/uL	91
38) 1,2-Bis(2-chloroethoxy...	11.786	63	87924	0.74	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.920	107	66016	0.95	ng/uL	91
40) 2-Methylnaphthalene	12.212	142	205783	0.94	ng/uL	95
41) 1-Methylnaphthalene	12.433	142	202300	0.94	ng/uL	96

00681

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1ic0521.D
Acq On : 21 May 2012 17:18
Operator : JLB
Sample : 1ic0521 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:24:22 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:23:46 2012
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42)	1,3 Dinitrobenzene	14.164	168	18957	0.95	ng/uL	100
44)	1,2,4,5-Tetrachloroben...	12.602	216	74470	0.90	ng/uL	98
45)	Hexachlorocyclopentadiene	12.585	237	25669	1.17	ng/uL	98
46)	2,4,6-Trichlorophenol	12.894	196	37171	0.87	ng/uL	98
47)	2,4,5-Trichlorophenol	12.958	196	39892	0.83	ng/uL	99
49)	2-Chloronaphthalene	13.348	162	184975	1.01	ng/uL	99
50)	1,1'-Biphenyl	13.342	154	237482	1.02	ng/uL	96
51)	2-Nitroaniline	13.634	138	27142	1.16	ng/uL	99
52)	Acenaphthylene	14.322	152	283300	0.94	ng/uL#	87
53)	2,6-Dinitrotoluene	14.257	165	30203	0.90	ng/uL	96
54)	Dimethyl Phthalate	14.147	163	166540	0.85	ng/uL	98
55)	3-Nitroaniline	14.625	138	27518	0.78	ng/uL#	1
56)	Acenaphthene	14.741	153	181297	0.97	ng/uL	98
57)	2,4-Dinitrophenol	14.887	184	9999	2.55	ng/uL#	85
58)	Dibenzofuran	15.167	168	240900	0.94	ng/uL	93
59)	4-Nitrophenol	15.068	65	33647	2.27	ng/uL	89
60)	2,4-Dinitrotoluene	15.202	165	35684	1.02	ng/uL#	80
61)	2,3,5,6-Tetrachlorophenol	15.377	232	23809	1.00	ng/uL	96
62)	2,3,4,6-Tetrachlorophenol	15.476	232	26234	0.97	ng/uL	97
63)	Fluorene	15.983	166	187126	0.91	ng/uL	97
64)	Diethyl Phthalate	15.860	149	149012	0.88	ng/uL	98
65)	4-Chlorophenyl Phenyl ...	16.059	204	80336	0.84	ng/uL#	89
66)	4-Nitroaniline	16.070	138	21656	0.84	ng/uL#	1
68)	4,6-Dinitro-2-methylph...	16.158	198	7890	1.14	ng/uL#	82
69)	N-Nitroso-diphenylamine	16.344	169	136606	0.98	ng/uL	99
70)	1,2-Diphenylhydrazine	16.426	182	44347	0.89	ng/uL	94
72)	4-Bromophenyl Phenyl E...	17.213	248	38163	0.87	ng/uL	100
73)	Hexachlorobenzene	17.265	284	47945	0.95	ng/uL	96
74)	Atrazine	17.650	200	23235	1.15	ng/uL	95
75)	Pentachlorophenol	17.708	266	13001	0.84	ng/uL	98
76)	Phenanthrene	18.110	178	240777	0.97	ng/uL	98
77)	Anthracene	18.203	178	218270	0.90	ng/uL	99
78)	Carbazole	18.524	167	185818	1.01	ng/uL	97
80)	Di-n-butyl Phthalate	19.171	149	166159	1.02	ng/uL	100
81)	Fluoroanthene	19.952	202	191255	0.85	ng/uL	96
83)	Benzidine	20.168	184	1655	0.23	ng/uL#	71
84)	Pyrene	20.244	202	192990	1.00	ng/uL#	88
85)	Butyl Benzyl Phthalate	21.060	149	36594	1.32	ng/uL	89
86)	Bis(2-ethylhexyl) adipate	21.147	129	36069	1.15	ng/uL#	100
87)	Benzo(a)anthracene	21.648	228	145998	0.95	ng/uL#	92
88)	3,3'-Dichlorobenzidine	21.625	252	391	1.52	ng/uL#	76
89)	Chrysene	21.683	228	147657	0.96	ng/uL#	82
90)	Bis(2-ethylhexyl)phtha...	21.672	149	56152	1.26	ng/uL	97
91)	Dicyclohexyl Phthalate	21.706	149	81956	1.15	ng/uL#	100
92)	Di-n-octyl Phthalate	22.377	149	74762	1.54	ng/uL	100
94)	Benzo(b)fluoroanthene	22.878	252	107280	0.82	ng/uL#	91
95)	Benzo(k)fluoranthene	22.913	252	116002	0.92	ng/uL#	80
96)	Benzo(a)pyrene	23.315	252	97356	0.98	ng/uL#	83
97)	Indeno(1,2,3-cd)pyrene	25.116	276	97316	1.01	ng/uL#	68
98)	Dibdenz(a,h)anthracene	25.151	278	77530	0.96	ng/uL#	77
99)	Benzo(g,h,i)Perylene	25.635	276	85055	0.72	ng/uL#	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1ic0521.D
Acq On : 21 May 2012 17:18
Operator : JLB
Sample : 1ic0521 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:24:22 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:23:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

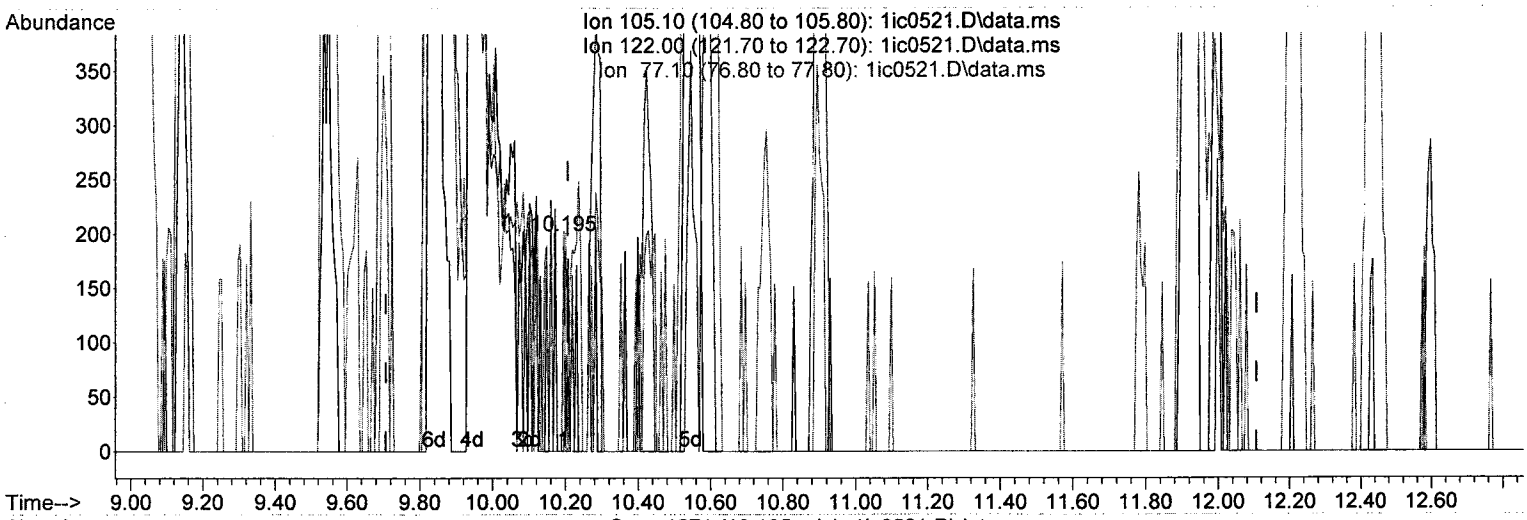
(#) = qualifier out of range (m) = manual integration (+) = signals summed

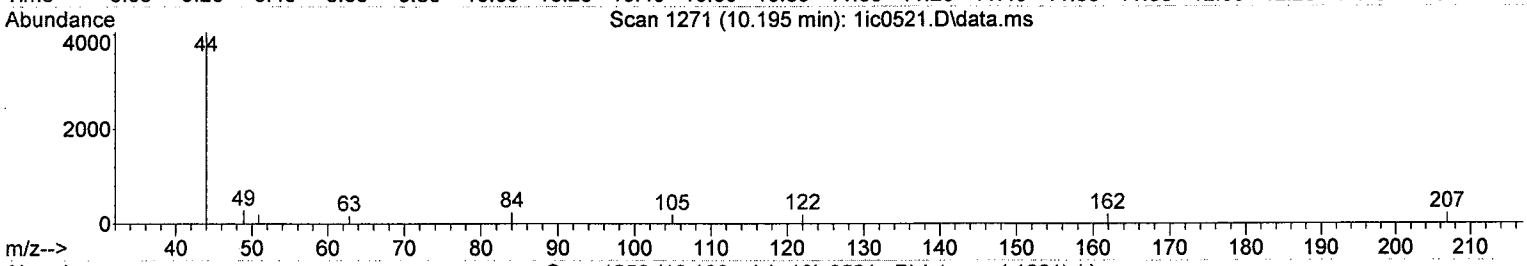
00683

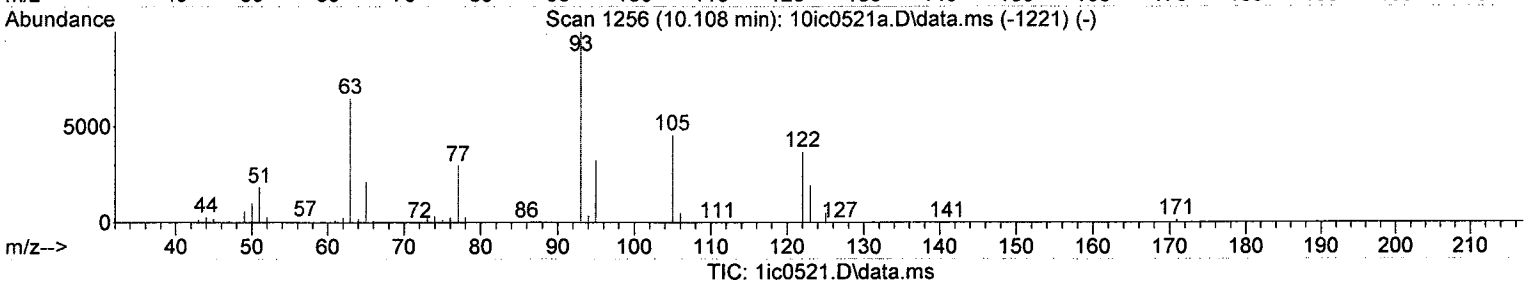
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1ic0521.D
Acq On : 21 May 2012 17:18
Operator : JLB
Sample : 1ic0521 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:23:58 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:23:46 2012
Response via : Initial Calibration







TIC: 1ic0521.D\data.ms

(31) Benzoic Acid

10.195min (-0.012) 1.58 ng/uL

response 131

Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	303.82#
0.00	0.00	0.00

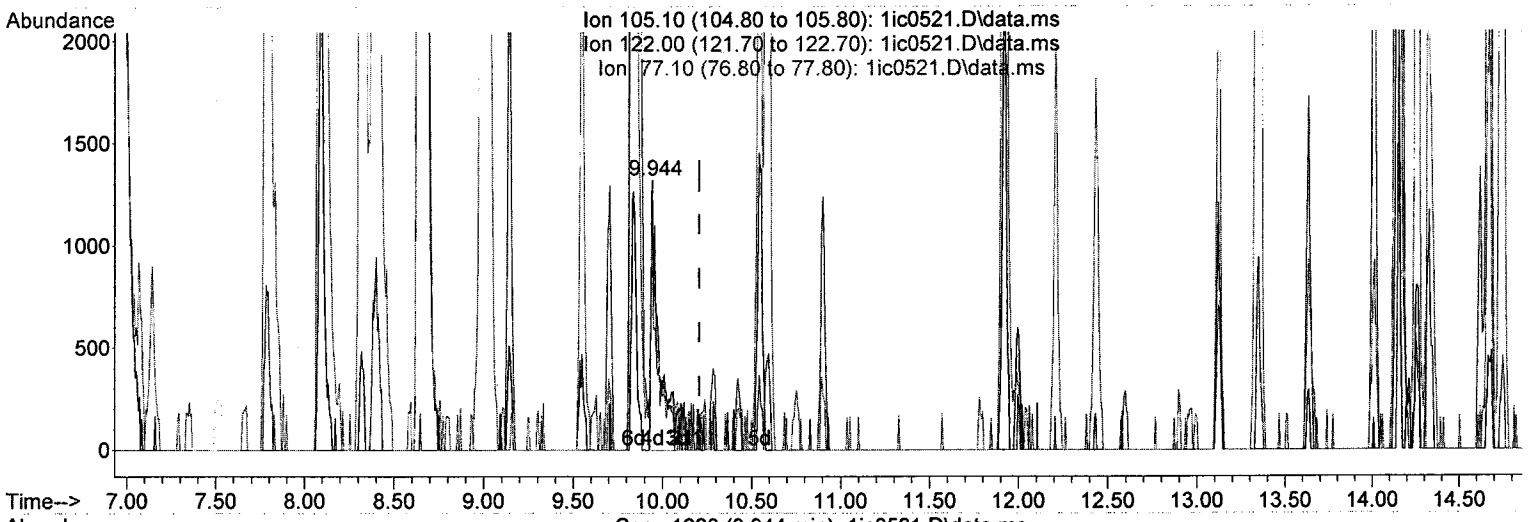
JWB 5/23/12

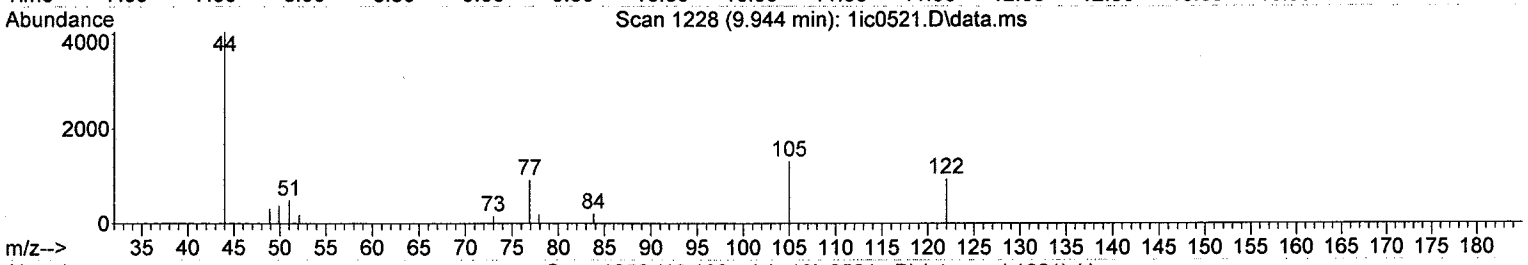
00684

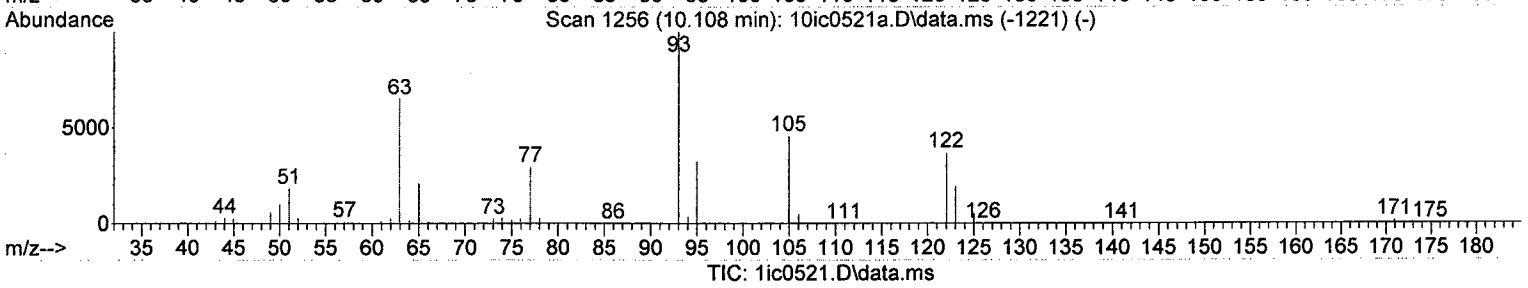
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1ic0521.D
Acq On : 21 May 2012 17:18
Operator : JLB
Sample : 1ic0521 Inst : 339
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 22 09:23:58 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:23:46 2012
Response via : Initial Calibration







TIC: 1ic0521.D\data.ms

(31) Benzoic Acid

9.944min (-0.262) 1.63 ng/uL m

response 4245

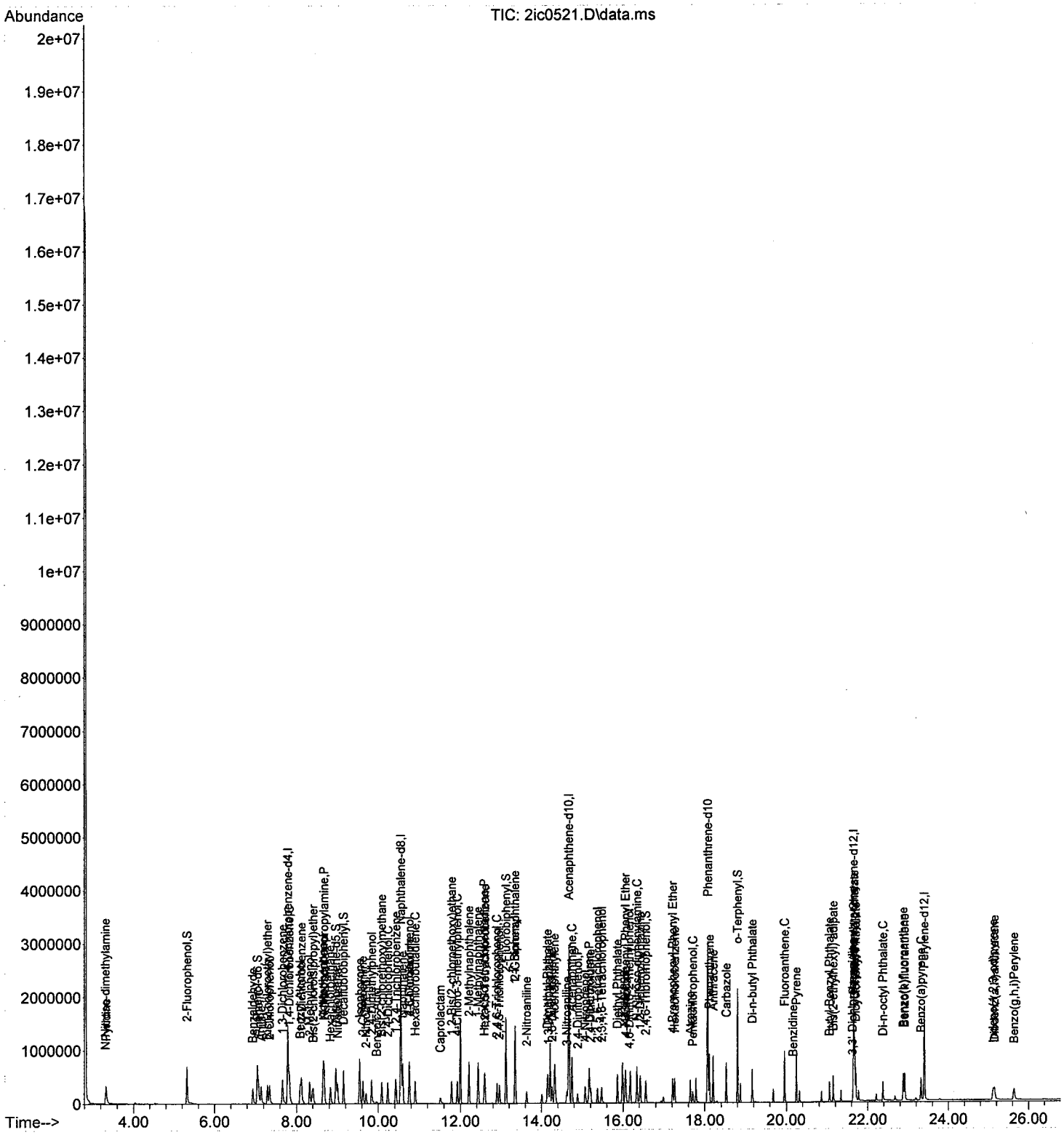
Ion	Exp%	Act%
105.10	100.00	100.00
122.00	80.10	0.00#
77.10	74.70	9.38#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 5/23/12
Reviewed By: [illegible] Date: 5/24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 2ic0521.D
Acq On : 21 May 2012 17:50
Operator : JLB
Sample : 2ic0521 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:14 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:25:04 2012
Response via : Initial Calibration



00686

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 2ic0521.D
Acq On : 21 May 2012 17:50
Operator : JLB
Sample : 2ic0521 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:14 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:25:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	491305	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.545	136	2158406	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.671	164	1191861	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.075	188	1749389	5.00	ng/uL	0.00
82) Chrysene-d12	21.654	240	875080	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	842417	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.322	112	447177	3.73	ng/uL	0.00
7) Phenol-d6	7.047	99	549996	3.73	ng/uL	0.00
22) Nitrobenzene-d5	8.959	82	402507	3.36	ng/uL	0.00
24) Decafluorobiphenyl	9.146	334	305804	3.14	ng/uL	0.00
48) 2-Fluorobiphenyl	13.121	172	907954	3.91	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.560	330	74723	3.45	ng/uL	0.00
79) o-Terphenyl	18.804	230	516740	3.89	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.317	74	117674	1.62	ng/uL	91
3) Pyridine	3.329	79	222407	1.54	ng/uL	87
5) Aniline	7.141	93	268145	1.51	ng/uL	92
6) Benzaldehyde	6.937	105	124344	1.56	ng/uL#	1
8) Phenol	7.077	94	281857	1.77	ng/uL#	58
9) Bis(2-chloroethyl)ether	7.292	93	242678	1.78	ng/uL	100
10) 2-Chlorophenol	7.345	128	204975	1.72	ng/uL#	21
11) 1,3-Dichlorobenzene	7.659	146	252753	1.75	ng/uL	94
12) 1,4-Dichlorobenzene	7.823	146	246388	1.77	ng/uL	97
13) 1,2-Dichlorobenzene	8.120	146	239214	1.77	ng/uL	96
14) Bis(2-chloroisipropyl)...	8.405	45	379837	2.03	ng/uL	93
15) Benzyl Alcohol	8.091	108	124623	1.65	ng/uL#	75
16) 2-Methylphenol	8.324	108	186783	1.75	ng/uL	94
17) Acetophenone	8.650	105	270530	1.69	ng/uL	90
18) Hexachloroethane	8.825	119	81618	1.63	ng/uL	94
19) 4-Methylphenol	8.662	107	212206	1.77	ng/uL#	58
20) N-Nitroso-di-n-propyla...	8.674	70	133334	1.73	ng/uL#	56
23) Nitrobenzene	9.000	77	207204	1.55	ng/uL#	1
25) Isophorone	9.548	82	337237	1.55	ng/uL	97
26) 2-Chloroaniline	9.624	127	260088	1.73	ng/uL	95
27) 2-Nitrophenol	9.705	139	88811	1.64	ng/uL#	75
28) 2,4-Dimethylphenol	9.839	107	167770	1.52	ng/uL	89
29) Bis(2-chlorethoxy)methane	10.084	93	225367	1.73	ng/uL	98
30) 2,4-Dichlorophenol	10.230	162	153445	1.64	ng/uL	97
31) Benzoic Acid	9.962	105	28372	1.90	ng/uL	95
32) 1,2,4-Trichlorobenzene	10.428	180	173702	1.57	ng/uL	99
33) Naphthalene	10.591	128	652268	1.80	ng/uL#	94
34) 4-Chloroaniline	10.754	127	223982	1.73	ng/uL	98
35) 2,6-Dichlorophenol	10.754	162	156756	1.71	ng/uL	93
36) Hexachlorobutadiene	10.900	225	81774	1.33	ng/uL	97
37) Caprolactam	11.512	55	52967	1.69	ng/uL	92
38) 1,2-Bis(2-chloroethoxy...	11.786	63	182840	1.53	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.920	107	146831	1.62	ng/uL	91
40) 2-Methylnaphthalene	12.212	142	414803	1.73	ng/uL	96
41) 1-Methylnaphthalene	12.433	142	410468	1.74	ng/uL	96

00687

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 2ic0521.D
Acq On : 21 May 2012 17:50
Operator : JLB
Sample : 2ic0521 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:14 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:25:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.170	168	50124	1.60	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.602	216	150177	1.64	ng/uL	99
45) Hexachlorocyclopentadiene	12.585	237	61709	1.70	ng/uL	99
46) 2,4,6-Trichlorophenol	12.894	196	88518	1.56	ng/uL	96
47) 2,4,5-Trichlorophenol	12.958	196	92427	1.53	ng/uL	99
49) 2-Chloronaphthalene	13.348	162	377361	1.83	ng/uL	99
50) 1,1'-Biphenyl	13.342	154	482425	1.84	ng/uL	96
51) 2-Nitroaniline	13.634	138	77088	1.75	ng/uL	94
52) Acenaphthylene	14.322	152	586935	1.73	ng/uL#	87
53) 2,6-Dinitrotoluene	14.263	165	74375	1.59	ng/uL	93
54) Dimethyl Phthalate	14.147	163	362375	1.65	ng/uL	97
55) 3-Nitroaniline	14.625	138	70136	1.52	ng/uL#	1
56) Acenaphthene	14.747	153	366256	1.73	ng/uL	97
57) 2,4-Dinitrophenol	14.887	184	46032	3.49	ng/uL#	79
58) Dibenzofuran	15.167	168	500119	1.74	ng/uL	91
59) 4-Nitrophenol	15.068	65	97487	3.58	ng/uL	86
60) 2,4-Dinitrotoluene	15.202	165	93321	1.69	ng/uL#	83
61) 2,3,5,6-Tetrachlorophenol	15.371	232	59367	1.58	ng/uL	96
62) 2,3,4,6-Tetrachlorophenol	15.476	232	61083	1.55	ng/uL	93
63) Fluorene	15.989	166	394440	1.72	ng/uL	97
64) Diethyl Phthalate	15.860	149	334956	1.60	ng/uL	98
65) 4-Chlorophenyl Phenyl ...	16.058	204	166638	1.57	ng/uL#	90
66) 4-Nitroaniline	16.070	138	60928	2.02	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.158	198	29332	1.67	ng/uL	92
69) N-Nitroso-diphenylamine	16.344	169	298150	1.81	ng/uL	99
70) 1,2-Diphenylhydrazine	16.426	182	97431	1.67	ng/uL	92
72) 4-Bromophenyl Phenyl E...	17.213	248	81159	1.60	ng/uL	99
73) Hexachlorobenzene	17.265	284	99880	1.70	ng/uL	96
74) Atrazine	17.650	200	59305	1.78	ng/uL	95
75) Pentachlorophenol	17.708	266	35935	1.46	ng/uL	99
76) Phenanthrene	18.116	178	510045	1.76	ng/uL	97
77) Anthracene	18.209	178	496096	1.75	ng/uL	98
78) Carbazole	18.524	167	417771	1.90	ng/uL	97
80) Di-n-butyl Phthalate	19.171	149	421327	1.70	ng/uL	100
81) Fluoroanthene	19.952	202	430953	1.65	ng/uL	97
83) Benzidine	20.162	184	1179	0.14	ng/uL#	71
84) Pyrene	20.243	202	438841	1.83	ng/uL#	90
85) Butyl Benzyl Phthalate	21.054	149	97998	1.84	ng/uL	86
86) Bis(2-ethylhexyl) adipate	21.147	129	93321	1.71	ng/uL#	100
87) Benzo(a)anthracene	21.642	228	322503	1.71	ng/uL#	94
88) 3,3'-Dichlorobenzidine	21.625	252	659	2.33	ng/uL#	83
89) Chrysene	21.683	228	325924	1.76	ng/uL#	83
90) Bis(2-ethylhexyl)phtha...	21.671	149	143377	1.86	ng/uL	95
91) Dicyclohexyl Phthalate	21.706	149	213360	1.75	ng/uL#	100
92) Di-n-octyl Phthalate	22.377	149	194920	1.92	ng/uL	99
94) Benzo(b)fluoroanthene	22.878	252	238699	1.50	ng/uL#	92
95) Benzo(k)fluoranthene	22.913	252	259714	1.69	ng/uL#	83
96) Benzo(a)pyrene	23.315	252	219180	1.62	ng/uL#	83
97) Indeno(1,2,3-cd)pyrene	25.116	276	208333	1.79	ng/uL#	68
98) Dibdenz(a,h)anthracene	25.151	278	169495	1.74	ng/uL#	75
99) Benzo(g,h,i)Perylene	25.635	276	180204	1.42	ng/uL#	73

00688

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 2ic0521.D
Acq On : 21 May 2012 17:50
Operator : JLB
Sample : 2ic0521 Inst : 339
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 22 09:25:14 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:25:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

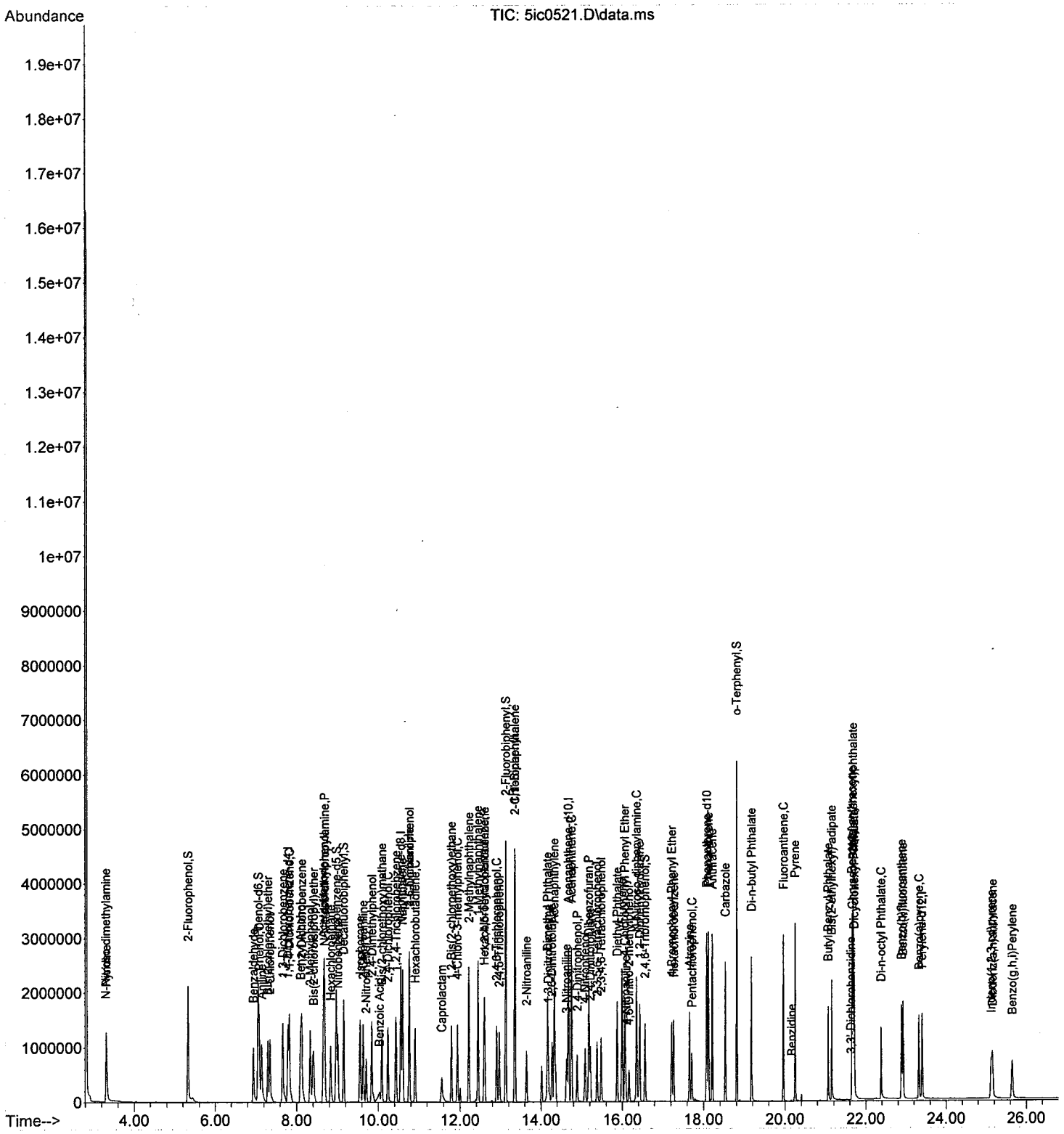
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00689

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 5ic0521.D
Acq On : 21 May 2012 18:23
Operator : JLB
Sample : 5ic0521 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 09:26:25 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:26:16 2012
Response via : Initial Calibration



00690

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 5ic0521.D
Acq On : 21 May 2012 18:23
Operator : JLB
Sample : 5ic0521 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 09:26:25 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:26:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.788	152	480421	5.00	ng/uL		0.00
21) Naphthalene-d8	10.545	136	2133859	5.00	ng/uL	#	0.00
43) Acenaphthene-d10	14.677	164	1186357	5.00	ng/uL		0.00
67) Phenanthrene-d10	18.075	188	1752354	5.00	ng/uL		0.00
82) Chrysene-d12	21.660	240	835227	5.00	ng/uL	#	0.00
93) Perylene-d12	23.397	264	802077	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.328	112	1390725	11.86	ng/uL		0.00
7) Phenol-d6	7.059	99	1693235	11.78	ng/uL		0.01
22) Nitrobenzene-d5	8.971	82	1285498	9.65	ng/uL		0.01
24) Decafluorobiphenyl	9.146	334	939065	10.07	ng/uL		0.00
48) 2-Fluorobiphenyl	13.127	172	2742324	11.94	ng/uL		0.00
71) 2,4,6-Tribromophenol	16.566	330	270986	10.61	ng/uL		0.00
79) o-Terphenyl	18.804	230	1499727	11.43	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.305	74	402030	5.56	ng/uL		86
3) Pyridine	3.311	79	747927	5.46	ng/uL		90
5) Aniline	7.147	93	1003944	5.66	ng/uL		92
6) Benzaldehyde	6.943	105	459426	4.85	ng/uL#		1
8) Phenol	7.082	94	940704	6.04	ng/uL#		57
9) Bis(2-chloroethyl)ether	7.298	93	782065	5.88	ng/uL		100
10) 2-Chlorophenol	7.351	128	689892	5.91	ng/uL#		25
11) 1,3-Dichlorobenzene	7.665	146	818967	5.82	ng/uL		94
12) 1,4-Dichlorobenzene	7.823	146	785498	5.76	ng/uL		95
13) 1,2-Dichlorobenzene	8.120	146	778766	5.91	ng/uL		96
14) Bis(2-chloroisipropyl)...	8.411	45	1209383	6.46	ng/uL		94
15) Benzyl Alcohol	8.097	108	452886	5.84	ng/uL#		74
16) 2-Methylphenol	8.330	108	626288	6.00	ng/uL		93
17) Acetophenone	8.656	105	915304	5.88	ng/uL		92
18) Hexachloroethane	8.831	119	269488	5.56	ng/uL		95
19) 4-Methylphenol	8.674	107	732294	6.23	ng/uL#		61
20) N-Nitroso-di-n-propyla...	8.685	70	466200	5.47	ng/uL#		60
23) Nitrobenzene	9.006	77	680352	5.24	ng/uL#		1
25) Isophorone	9.554	82	1173166	5.51	ng/uL		96
26) 2-Chloroaniline	9.630	127	869760	5.87	ng/uL		94
27) 2-Nitrophenol	9.705	139	342165	5.43	ng/uL#		75
28) 2,4-Dimethylphenol	9.845	107	566326	5.29	ng/uL		89
29) Bis(2-chlorethoxy)methane	10.090	93	744580	5.79	ng/uL		98
30) 2,4-Dichlorophenol	10.236	162	534923	5.84	ng/uL		97
31) Benzoic Acid	10.032	105	215467	4.00	ng/uL		95
32) 1,2,4-Trichlorobenzene	10.428	180	572388	5.36	ng/uL		98
33) Naphthalene	10.591	128	2101489	5.87	ng/uL#		94
34) 4-Chloroaniline	10.760	127	801113	6.27	ng/uL		94
35) 2,6-Dichlorophenol	10.760	162	544887	6.04	ng/uL		92
36) Hexachlorobutadiene	10.906	225	274187	4.72	ng/uL		98
37) Caprolactam	11.553	55	236519	5.39	ng/uL		94
38) 1,2-Bis(2-chloroethoxy...	11.786	63	609313	5.49	ng/uL#		100
39) 4-Chloro-3-methylphenol	11.932	107	521063	4.94	ng/uL		90
40) 2-Methylnaphthalene	12.217	142	1368291	5.81	ng/uL		96
41) 1-Methylnaphthalene	12.439	142	1344672	5.82	ng/uL		96

00691

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 5ic0521.D
Acq On : 21 May 2012 18:23
Operator : JLB
Sample : 5ic0521 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 09:26:25 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:26:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.176	168	201931	5.18	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.602	216	502361	5.63	ng/uL	99
45) Hexachlorocyclopentadiene	12.591	237	242661	4.58	ng/uL	97
46) 2,4,6-Trichlorophenol	12.899	196	333975	5.07	ng/uL	96
47) 2,4,5-Trichlorophenol	12.964	196	342082	5.06	ng/uL	98
49) 2-Chloronaphthalene	13.354	162	1238310	6.04	ng/uL	98
50) 1,1'-Biphenyl	13.348	154	1566979	6.02	ng/uL	97
51) 2-Nitroaniline	13.640	138	343033	5.35	ng/uL	92
52) Acenaphthylene	14.327	152	1994959	5.94	ng/uL#	87
53) 2,6-Dinitrotoluene	14.269	165	288127	5.39	ng/uL	89
54) Dimethyl Phthalate	14.158	163	1231207	5.71	ng/uL	96
55) 3-Nitroaniline	14.631	138	255350	5.24	ng/uL#	1
56) Acenaphthene	14.753	153	1219179	5.83	ng/uL	97
57) 2,4-Dinitrophenol	14.893	184	223951	8.23	ng/uL#	80
58) Dibenzofuran	15.173	168	1644580	5.79	ng/uL	91
59) 4-Nitrophenol	15.079	65	322798	8.53	ng/uL	83
60) 2,4-Dinitrotoluene	15.213	165	355823	5.14	ng/uL#	82
61) 2,3,5,6-Tetrachlorophenol	15.377	232	241535	4.66	ng/uL	98
62) 2,3,4,6-Tetrachlorophenol	15.476	232	241381	4.71	ng/uL	96
63) Fluorene	15.994	166	1319807	5.83	ng/uL	96
64) Diethyl Phthalate	15.872	149	1169702	5.24	ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.059	204	560530	5.45	ng/uL	92
66) 4-Nitroaniline	16.082	138	178182	5.84	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.163	198	143502	4.65	ng/uL	94
69) N-Nitroso-diphenylamine	16.350	169	1028494	6.21	ng/uL	99
70) 1,2-Diphenylhydrazine	16.432	182	344731	5.92	ng/uL	84
72) 4-Bromophenyl Phenyl E...	17.218	248	279021	5.58	ng/uL	98
73) Hexachlorobenzene	17.271	284	334129	5.75	ng/uL	97
74) Atrazine	17.656	200	240134	5.48	ng/uL	94
75) Pentachlorophenol	17.714	266	152956	4.64	ng/uL	98
76) Phenanthrene	18.116	178	1683521	5.83	ng/uL	97
77) Anthracene	18.209	178	1701515	6.03	ng/uL	99
78) Carbazole	18.524	167	1421811	6.43	ng/uL	97
80) Di-n-butyl Phthalate	19.171	149	1700930	5.74	ng/uL	99
81) Fluoroanthene	19.958	202	1455425	5.65	ng/uL	97
83) Benzidine	20.162	184	139	0.02	ng/uL#	1
84) Pyrene	20.244	202	1493472	6.43	ng/uL#	90
85) Butyl Benzyl Phthalate	21.060	149	432980	5.49	ng/uL	82
86) Bis(2-ethylhexyl) adipate	21.147	129	410476	5.84	ng/uL#	100
87) Benzo(a)anthracene	21.648	228	1032313	5.71	ng/uL#	95
88) 3,3'-Dichlorobenzidine	21.625	252	536	1.99	ng/uL#	77
89) Chrysene	21.683	228	1044056	5.96	ng/uL#	84
90) Bis(2-ethylhexyl)phtha...	21.677	149	572386	5.74	ng/uL	90
91) Dicyclohexyl Phthalate	21.706	149	924363	6.04	ng/uL#	100
92) Di-n-octyl Phthalate	22.377	149	815559	5.17	ng/uL	100
94) Benzo(b)fluoroanthene	22.884	252	847423	5.64	ng/uL#	92
95) Benzo(k)fluoranthene	22.919	252	866026	5.96	ng/uL#	85
96) Benzo(a)pyrene	23.321	252	787136	5.51	ng/uL#	87
97) Indeno(1,2,3-cd)pyrene	25.122	276	730799	6.68	ng/uL#	71
98) Dibdenz(a,h)anthracene	25.157	278	613758	6.71	ng/uL#	78
99) Benzo(g,h,i)Perylene	25.647	276	593825	5.88	ng/uL#	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 5ic0521.D
Acq On : 21 May 2012 18:23
Operator : JLB
Sample : 5ic0521 Inst : 339
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 22 09:26:25 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:26:16 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

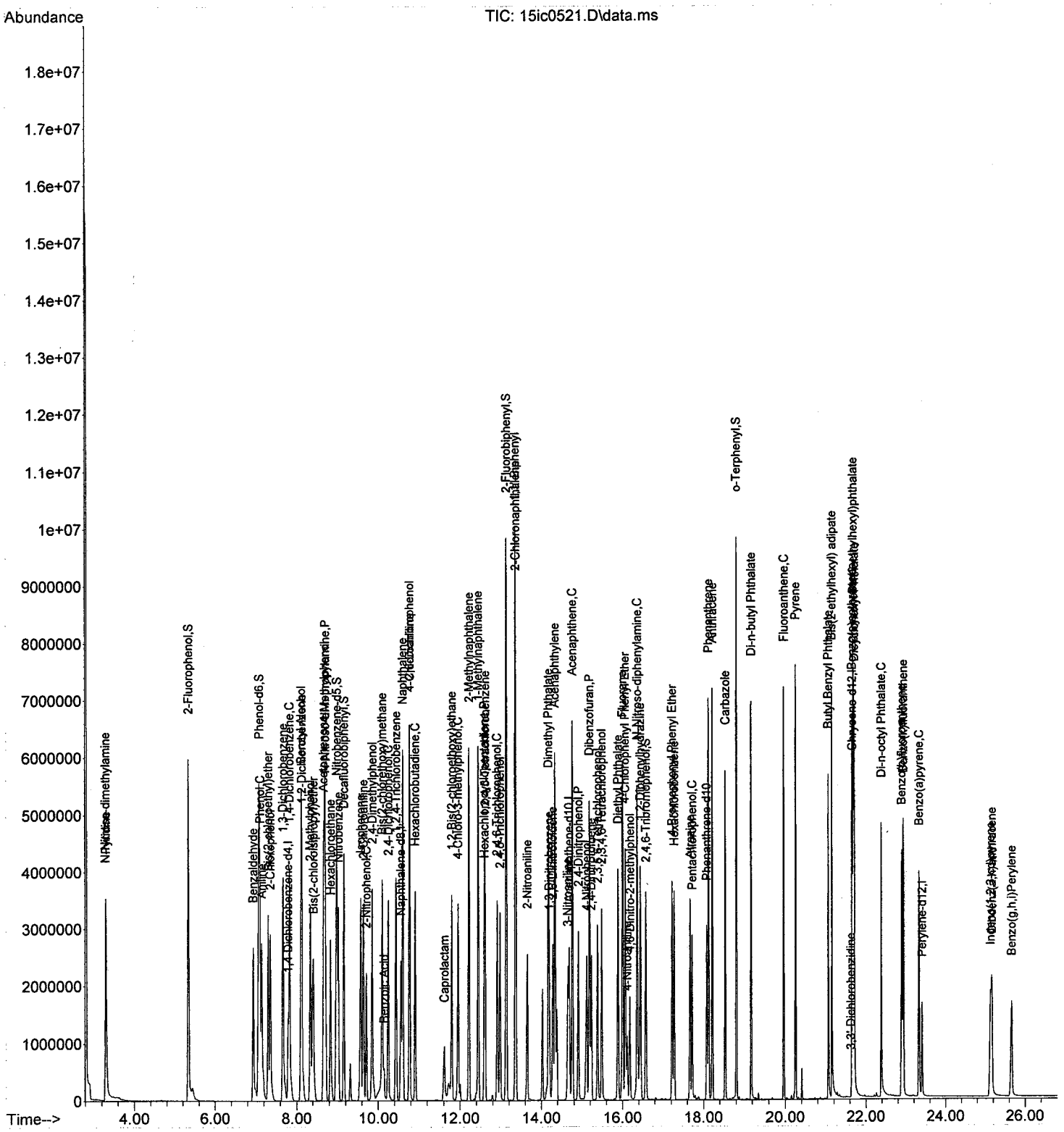
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00693

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 15ic0521.D
Acq On : 21 May 2012 18:56
Operator : JLB
Sample : 15ic0521 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 09:28:37 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:27:56 2012
Response via : Initial Calibration



00694

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 15ic0521.D
Acq On : 21 May 2012 18:56
Operator : JLB
Sample : 15ic0521 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 09:28:37 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:27:56 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	495143	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.551	136	2185221	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.683	164	1239325	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.075	188	1814240	5.00	ng/uL	0.00
82) Chrysene-d12	21.660	240	890077	5.00	ng/uL	# 0.00
93) Perylene-d12	23.403	264	847514	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.340	112	3913836	32.26	ng/uL	0.01
7) Phenol-d6	7.082	99	4718562	31.73	ng/uL	0.02
22) Nitrobenzene-d5	8.983	82	3575394	25.17	ng/uL	0.01
24) Decafluorobiphenyl	9.157	334	2403695	26.09	ng/uL	0.01
48) 2-Fluorobiphenyl	13.138	172	6640170	27.63	ng/uL	0.01
71) 2,4,6-Tribromophenol	16.583	330	767045	27.60	ng/uL	0.02
79) o-Terphenyl	18.810	230	3112347	23.18	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.294	74	1136897	15.22	ng/uL	81
3) Pyridine	3.300	79	2085725	14.85	ng/uL	92
5) Aniline	7.147	93	2806637	15.28	ng/uL	88
6) Benzaldehyde	6.937	105	1238304	16.50	ng/uL#	1
8) Phenol	7.106	94	2574289	15.89	ng/uL	93
9) Bis(2-chloroethyl)ether	7.304	93	2126993	15.40	ng/uL	100
10) 2-Chlorophenol	7.356	128	1928720	15.94	ng/uL#	29
11) 1,3-Dichlorobenzene	7.665	146	2214904	15.24	ng/uL	94
12) 1,4-Dichlorobenzene	7.823	146	2120742	15.07	ng/uL	95
13) 1,2-Dichlorobenzene	8.126	146	2087150	15.30	ng/uL	96
14) Bis(2-chloroisipropyl)...	8.411	45	3191169	16.05	ng/uL	96
15) Benzyl Alcohol	8.108	108	1287205	15.95	ng/uL#	74
16) 2-Methylphenol	8.336	108	1723989	15.89	ng/uL	93
17) Acetophenone	8.662	105	2467333	15.37	ng/uL#	92
18) Hexachloroethane	8.831	119	741164	15.01	ng/uL	96
19) 4-Methylphenol	8.691	107	1971865	16.04	ng/uL#	61
20) N-Nitroso-di-n-propyla...	8.703	70	1278638	14.11	ng/uL#	65
23) Nitrobenzene	9.023	77	1845668	14.28	ng/uL#	1
25) Isophorone	9.571	82	3252823	15.17	ng/uL	96
26) 2-Chloroaniline	9.641	127	2394660	15.77	ng/uL	93
27) 2-Nitrophenol	9.711	139	1023393	15.29	ng/uL#	73
28) 2,4-Dimethylphenol	9.857	107	1531166	14.33	ng/uL#	69
29) Bis(2-chlorethoxy)methane	10.096	93	2029694	15.46	ng/uL	100
30) 2,4-Dichlorophenol	10.247	162	1506358	16.18	ng/uL	97
31) Benzoic Acid	10.143	105	1011326	12.62	ng/uL	94
32) 1,2,4-Trichlorobenzene	10.434	180	1537720	14.40	ng/uL	99
33) Naphthalene	10.597	128	5495612	14.95	ng/uL#	95
34) 4-Chloroaniline	10.772	127	2192340	16.60	ng/uL	92
35) 2,6-Dichlorophenol	10.766	162	1452479	15.72	ng/uL	91
36) Hexachlorobutadiene	10.906	225	738861	13.14	ng/uL	98
37) Caprolactam	11.611	55	735191m	15.15	ng/uL	
38) 1,2-Bis(2-chloroethoxy...	11.798	63	1643373	14.63	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.949	107	1472565	12.95	ng/uL	89
40) 2-Methylnaphthalene	12.223	142	3590161	14.93	ng/uL	96
41) 1-Methylnaphthalene	12.445	142	3520371	14.92	ng/uL	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 15ic0521.D
Acq On : 21 May 2012 18:56
Operator : JLB
Sample : 15ic0521 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 09:28:37 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:27:56 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.193	168	608216	14.46	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.614	216	1320418	14.39	ng/uL	99
45) Hexachlorocyclopentadiene	12.591	237	707403	11.41	ng/uL	98
46) 2,4,6-Trichlorophenol	12.905	196	971045	13.53	ng/uL	98
47) 2,4,5-Trichlorophenol	12.981	196	995881	13.62	ng/uL	99
49) 2-Chloronaphthalene	13.366	162	3072302	14.27	ng/uL	99
50) 1,1'-Biphenyl	13.354	154	3792648	13.93	ng/uL	97
51) 2-Nitroaniline	13.651	138	1114251	15.25	ng/uL	89
52) Acenaphthylene	14.339	152	5284679	15.08	ng/uL#	80
53) 2,6-Dinitrotoluene	14.287	165	823979	14.29	ng/uL	89
54) Dimethyl Phthalate	14.176	163	3355416	15.10	ng/uL	96
55) 3-Nitroaniline	14.648	138	808183	15.69	ng/uL#	1
56) Acenaphthene	14.765	153	3179847	14.58	ng/uL	98
57) 2,4-Dinitrophenol	14.910	184	904437	25.09	ng/uL#	79
58) Dibenzofuran	15.184	168	4313074	14.58	ng/uL	92
59) 4-Nitrophenol	15.114	65	1007207	22.34	ng/uL#	80
60) 2,4-Dinitrotoluene	15.231	165	1044891	13.62	ng/uL#	80
61) 2,3,5,6-Tetrachlorophenol	15.388	232	732466	12.35	ng/uL	98
62) 2,3,4,6-Tetrachlorophenol	15.487	232	712944	12.35	ng/uL	96
63) Fluorene	16.000	166	3463472	14.71	ng/uL	96
64) Diethyl Phthalate	15.890	149	3209544	13.50	ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.064	204	1488804	14.18	ng/uL	94
66) 4-Nitroaniline	16.117	138	532093	16.54	ng/uL#	3
68) 4,6-Dinitro-2-methylph...	16.187	198	528017	14.20	ng/uL	95
69) N-Nitroso-diphenylamine	16.368	169	2752098	15.81	ng/uL	99
70) 1,2-Diphenylhydrazine	16.443	182	954136	15.87	ng/uL	79
72) 4-Bromophenyl Phenyl E...	17.224	248	759903	14.88	ng/uL	97
73) Hexachlorobenzene	17.277	284	868772	14.46	ng/uL	97
74) Atrazine	17.673	200	619628	12.86	ng/uL	95
75) Pentachlorophenol	17.720	266	496581	13.35	ng/uL	98
76) Phenanthrene	18.122	178	4291089	14.39	ng/uL	98
77) Anthracene	18.221	178	4359842	14.95	ng/uL	99
78) Carbazole	18.536	167	3579502	15.40	ng/uL	97
80) Di-n-butyl Phthalate	19.177	149	4836567	15.18	ng/uL	99
81) Fluoroanthene	19.964	202	3841295	14.56	ng/uL	100
83) Benzidine	0.000		0	N.D.		
84) Pyrene	20.249	202	3920691	15.56	ng/uL#	92
85) Butyl Benzyl Phthalate	21.060	149	1557094	16.67	ng/uL#	80
86) Bis(2-ethylhexyl) adipate	21.147	129	1508065	18.93	ng/uL#	100
87) Benzo(a)anthracene	21.654	228	2872787	14.90	ng/uL#	96
88) 3,3'-Dichlorobenzidine	21.625	252	383	1.33	ng/uL	96
89) Chrysene	21.695	228	2721614	14.53	ng/uL#	84
90) Bis(2-ethylhexyl)phtha...	21.677	149	1878040	16.45	ng/uL	93
91) Dicyclohexyl Phthalate	21.712	149	2895422	16.83	ng/uL#	100
92) Di-n-octyl Phthalate	22.383	149	3026418	15.70	ng/uL	99
94) Benzo(b)fluoroanthene	22.890	252	2495762	15.75	ng/uL#	94
95) Benzo(k)fluoranthene	22.931	252	2560290	16.52	ng/uL#	89
96) Benzo(a)pyrene	23.327	252	2308605	14.85	ng/uL#	89
97) Indeno(1,2,3-cd)pyrene	25.134	276	1821836	16.01	ng/uL#	73
98) Dibdenz(a,h)anthracene	25.169	278	1559640	16.33	ng/uL#	81
99) Benzo(g,h,i)Perylene	25.658	276	1393632	17.96	ng/uL#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 15ic0521.D
Acq On : 21 May 2012 18:56
Operator : JLB
Sample : 15ic0521 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 09:28:37 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:27:56 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

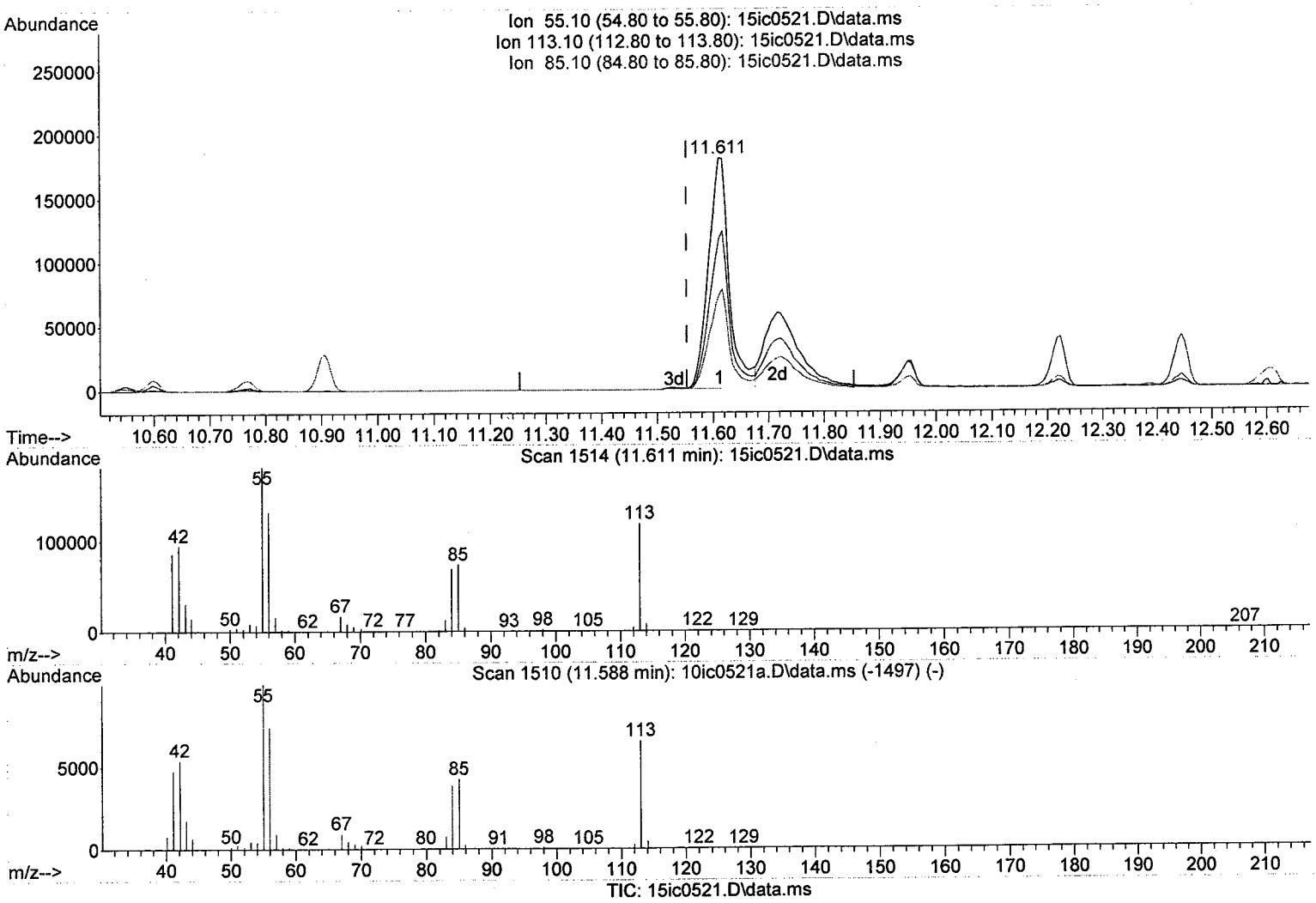
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00697

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 15ic0521.D
Acq On : 21 May 2012 18:56
Operator : JLB
Sample : 15ic0521 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 09:28:05 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:27:56 2012
Response via : Initial Calibration



TIC: 15ic0521.D\data.ms

(37) Caprolactam

11.611min (+ 0.058) 9.78 ng/uL

response 466397

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	65.94
85.10	46.10	41.14
0.00	0.00	0.00

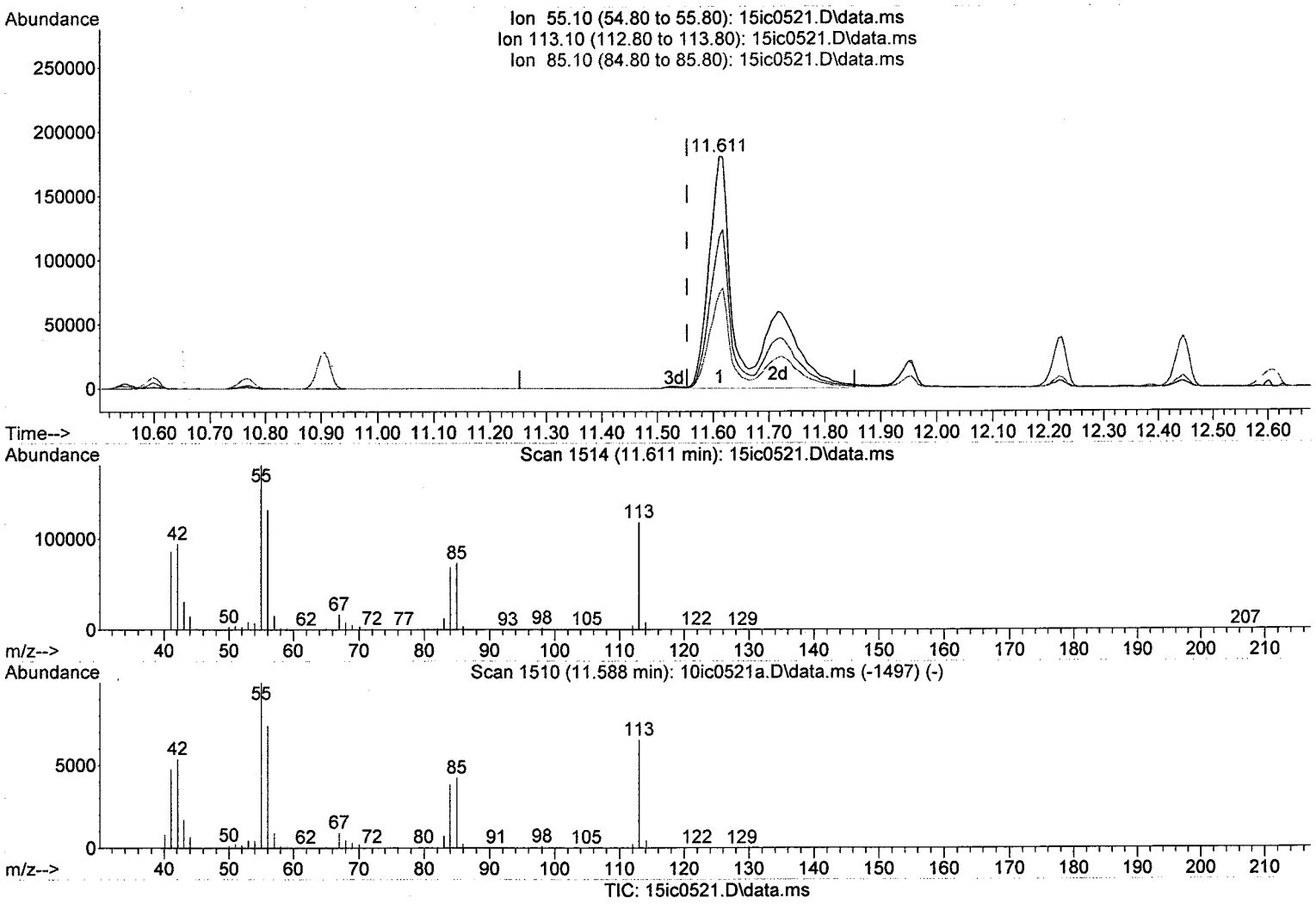
JLB 5/23/12

00698

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 15ic0521.D
Acq On : 21 May 2012 18:56
Operator : JLB
Sample : 15ic0521 Inst : 339
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 22 09:28:05 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:27:56 2012
Response via : Initial Calibration



TIC: 15ic0521.D\data.ms

(37) Caprolactam

11.611min (+ 0.058) 15.15 ng/uL m

response 735191

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	41.83#
85.10	46.10	26.10#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: _____ Date: 5/23/12

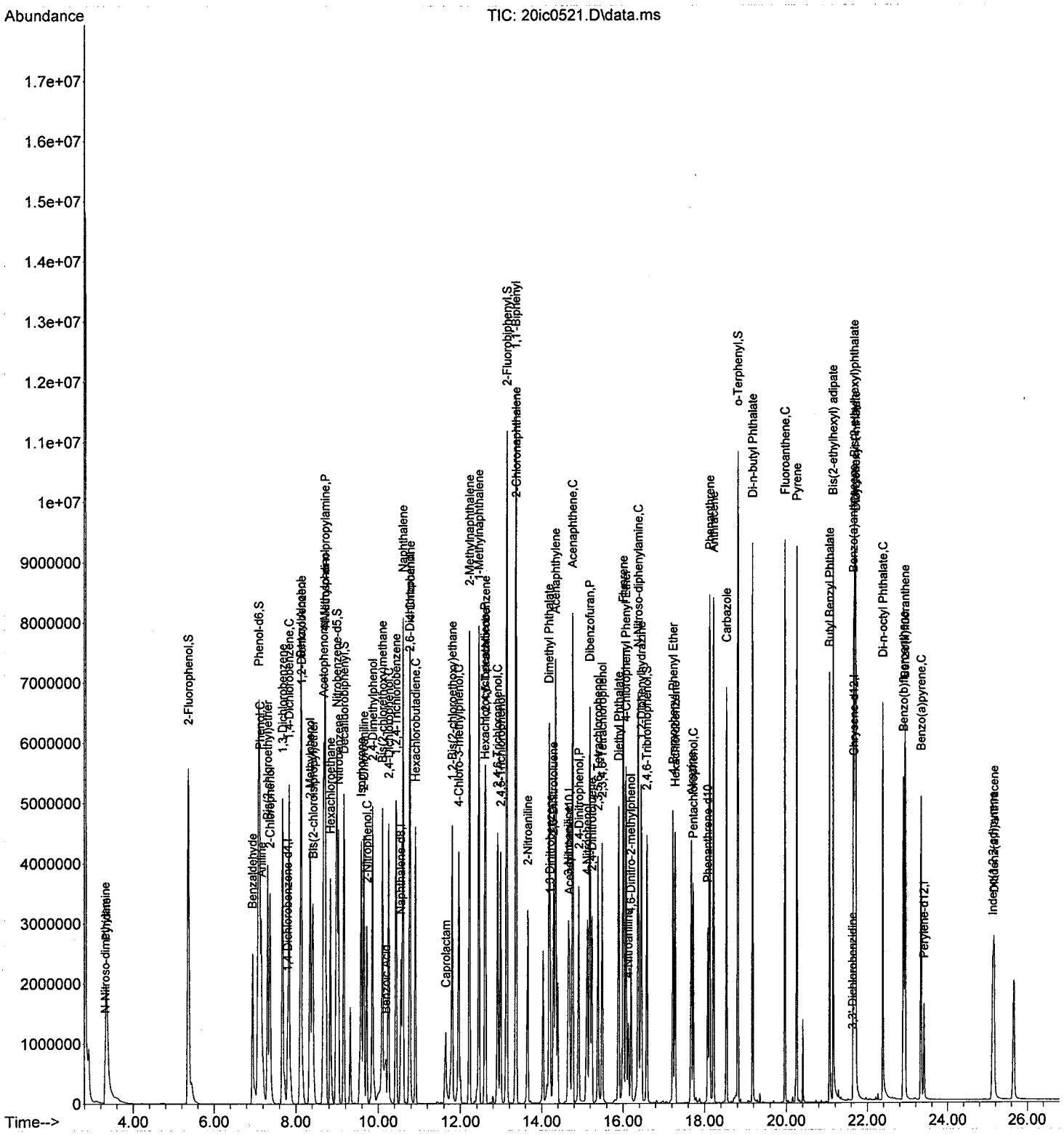
Reviewed By: _____ Date: _____

00699

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 20ic0521.D
Acq On : 21 May 2012 19:29
Operator : JLB
Sample : 20ic0521 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 09:30:56 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:29:38 2012
Response via : Initial Calibration



00700

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 20ic0521.D
Acq On : 21 May 2012 19:29
Operator : JLB
Sample : 20ic0521 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 09:30:56 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:29:38 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.794	152	501169	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.551	136	2214057	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.683	164	1233535	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.081	188	1777082	5.00	ng/uL	0.00
82) Chrysene-d12	21.666	240	845341	5.00	ng/uL	# 0.00
93) Perylene-d12	23.403	264	827163	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.363	112	5231352	42.20	ng/uL	0.02
7) Phenol-d6	7.094	99	6170476	40.73	ng/uL	0.01
22) Nitrobenzene-d5	8.988	82	4710065	33.42	ng/uL	0.00
24) Decafluorobiphenyl	9.163	334	3035584	33.77	ng/uL	0.00
48) 2-Fluorobiphenyl	13.144	172	8300322	34.90	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.583	330	987925	36.29	ng/uL	0.00
79) o-Terphenyl	18.816	230	3540465	27.71	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.311	74	1561709	20.50	ng/uL#	80
3) Pyridine	3.335	79	2861645	20.07	ng/uL	92
5) Aniline	7.158	93	3815761	20.40	ng/uL#	81
6) Benzaldehyde	6.943	105	1330984	18.61	ng/uL#	1
8) Phenol	7.123	94	3471409	20.93	ng/uL	90
9) Bis(2-chloroethyl)ether	7.310	93	2941086	20.85	ng/uL	100
10) 2-Chlorophenol	7.368	128	2665508	21.59	ng/uL#	29
11) 1,3-Dichlorobenzene	7.671	146	3024190	20.48	ng/uL	94
12) 1,4-Dichlorobenzene	7.829	146	2880314	20.14	ng/uL	95
13) 1,2-Dichlorobenzene	8.132	146	2778889	19.98	ng/uL	97
14) Bis(2-chloroisipropyl)...	8.417	45	4345806	21.02	ng/uL	96
15) Benzyl Alcohol	8.114	108	1739481	20.98	ng/uL#	74
16) 2-Methylphenol	8.347	108	2367382	21.37	ng/uL	92
17) Acetophenone	8.674	105	3348351	20.60	ng/uL#	93
18) Hexachloroethane	8.831	119	1024116	20.63	ng/uL	97
19) 4-Methylphenol	8.703	107	2649184	21.04	ng/uL#	61
20) N-Nitroso-di-n-propyla...	8.709	70	1737664	18.97	ng/uL#	66
23) Nitrobenzene	9.029	77	2491051	19.46	ng/uL#	1
25) Isophorone	9.583	82	4450157	20.76	ng/uL	95
26) 2-Chloroaniline	9.647	127	3267164	21.09	ng/uL	92
27) 2-Nitrophenol	9.723	139	1421821	20.72	ng/uL#	71
28) 2,4-Dimethylphenol	9.863	107	2132395	20.13	ng/uL#	71
29) Bis(2-chlorethoxy)methane	10.102	93	2752690	20.60	ng/uL	99
30) 2,4-Dichlorophenol	10.253	162	2034992	21.54	ng/uL	97
31) Benzoic Acid	10.189	105	1525189	18.18	ng/uL	94
32) 1,2,4-Trichlorobenzene	10.434	180	2092975	19.63	ng/uL	99
33) Naphthalene	10.603	128	7309923	19.54	ng/uL	95
34) 4-Chloroaniline	10.778	127	2694204	19.95	ng/uL	96
35) 2,6-Dichlorophenol	10.766	162	1930702	20.56	ng/uL	91
36) Hexachlorobutadiene	10.912	225	1003175	18.40	ng/uL	98
37) Caprolactam	11.640	55	1010733m	20.29	ng/uL	
38) 1,2-Bis(2-chloroethoxy...	11.804	63	2191802	19.34	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.961	107	2004867	17.57	ng/uL	89
40) 2-Methylnaphthalene	12.223	142	4772652	19.60	ng/uL	96
41) 1-Methylnaphthalene	12.451	142	4710294	19.69	ng/uL	95

00701

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 20ic0521.D
Acq On : 21 May 2012 19:29
Operator : JLB
Sample : 20ic0521 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 09:30:56 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:29:38 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.205	168	822576	19.21 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.614	216	1743877	19.27 ng/uL	99
45) Hexachlorocyclopentadiene	12.596	237	979558	16.03 ng/uL	98
46) 2,4,6-Trichlorophenol	12.911	196	1344056	18.91 ng/uL	98
47) 2,4,5-Trichlorophenol	12.987	196	1351113	18.63 ng/uL	99
49) 2-Chloronaphthalene	13.372	162	3933224	18.34 ng/uL	99
50) 1,1'-Biphenyl	13.360	154	4758186	17.60 ng/uL	96
51) 2-Nitroaniline	13.657	138	1558639	21.00 ng/uL	88
52) Acenaphthylene	14.345	152	7018007	20.11 ng/uL#	79
53) 2,6-Dinitrotoluene	14.293	165	1124060	19.56 ng/uL#	88
54) Dimethyl Phthalate	14.182	163	4327701	19.72 ng/uL	96
55) 3-Nitroaniline	14.660	138	1060891	20.48 ng/uL#	1
56) Acenaphthene	14.765	153	4223366	19.49 ng/uL	97
57) 2,4-Dinitrophenol	14.922	184	1254178	34.58 ng/uL#	79
58) Dibenzofuran	15.190	168	5702696	19.40 ng/uL	91
59) 4-Nitrophenol	15.126	65	1283204	29.10 ng/uL#	79
60) 2,4-Dinitrotoluene	15.243	165	1422938	18.64 ng/uL#	78
61) 2,3,5,6-Tetrachlorophenol	15.388	232	1025029	17.49 ng/uL	98
62) 2,3,4,6-Tetrachlorophenol	15.493	232	957989	16.89 ng/uL	95
63) Fluorene	16.006	166	4560705	19.54 ng/uL	95
64) Diethyl Phthalate	15.895	149	4228833	18.13 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.070	204	1966976	19.15 ng/uL	94
66) 4-Nitroaniline	16.123	138	639838	19.86 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.193	198	726293	19.53 ng/uL	96
69) N-Nitroso-diphenylamine	16.373	169	3641054	21.05 ng/uL	99
70) 1,2-Diphenylhydrazine	16.449	182	1275624	21.54 ng/uL#	76
72) 4-Bromophenyl Phenyl E...	17.230	248	1019546	20.49 ng/uL	98
73) Hexachlorobenzene	17.283	284	1151186	19.57 ng/uL	98
74) Atrazine	17.679	200	832100	17.61 ng/uL	94
75) Pentachlorophenol	17.720	266	667937	18.27 ng/uL	98
76) Phenanthrene	18.128	178	5579043	19.13 ng/uL	98
77) Anthracene	18.221	178	5611397	19.65 ng/uL	99
78) Carbazole	18.536	167	4516404	19.51 ng/uL	98
80) Di-n-butyl Phthalate	19.177	149	6315555	19.94 ng/uL	99
81) Fluoroanthene	19.964	202	4934080	19.21 ng/uL	99
83) Benzidine	0.000		0	N.D.	
84) Pyrene	20.255	202	5070917	20.99 ng/uL	93
85) Butyl Benzyl Phthalate	21.065	149	2127269	22.97 ng/uL#	80
86) Bis(2-ethylhexyl) adipate	21.147	129	2046501	25.52 ng/uL#	100
87) Benzo(a)anthracene	21.654	228	3680637	20.12 ng/uL#	97
88) 3,3'-Dichlorobenzidine	21.631	252	345	1.27 ng/uL#	72
89) Chrysene	21.695	228	3397953	19.10 ng/uL#	85
90) Bis(2-ethylhexyl)phtha...	21.677	149	2467987	21.97 ng/uL	93
91) Dicyclohexyl Phthalate	21.712	149	3804280	22.51 ng/uL#	100
92) Di-n-octyl Phthalate	22.383	149	4245865	22.30 ng/uL	99
94) Benzo(b)fluoroanthene	22.896	252	3479018	22.39 ng/uL	96
95) Benzo(k)fluoranthene	22.931	252	3186234	20.78 ng/uL#	88
96) Benzo(a)pyrene	23.333	252	3112539	20.32 ng/uL	92
97) Indeno(1,2,3-cd)pyrene	25.134	276	2343657	20.90 ng/uL#	74
98) Dibdenz(a,h)anthracene	25.169	278	2012403	21.36 ng/uL#	80
99) Benzo(g,h,i)Perylene	25.658	276	1757340	Below Cal #	82

00702

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 20ic0521.D
Acq On : 21 May 2012 19:29
Operator : JLB
Sample : 20ic0521 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 09:30:56 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:29:38 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

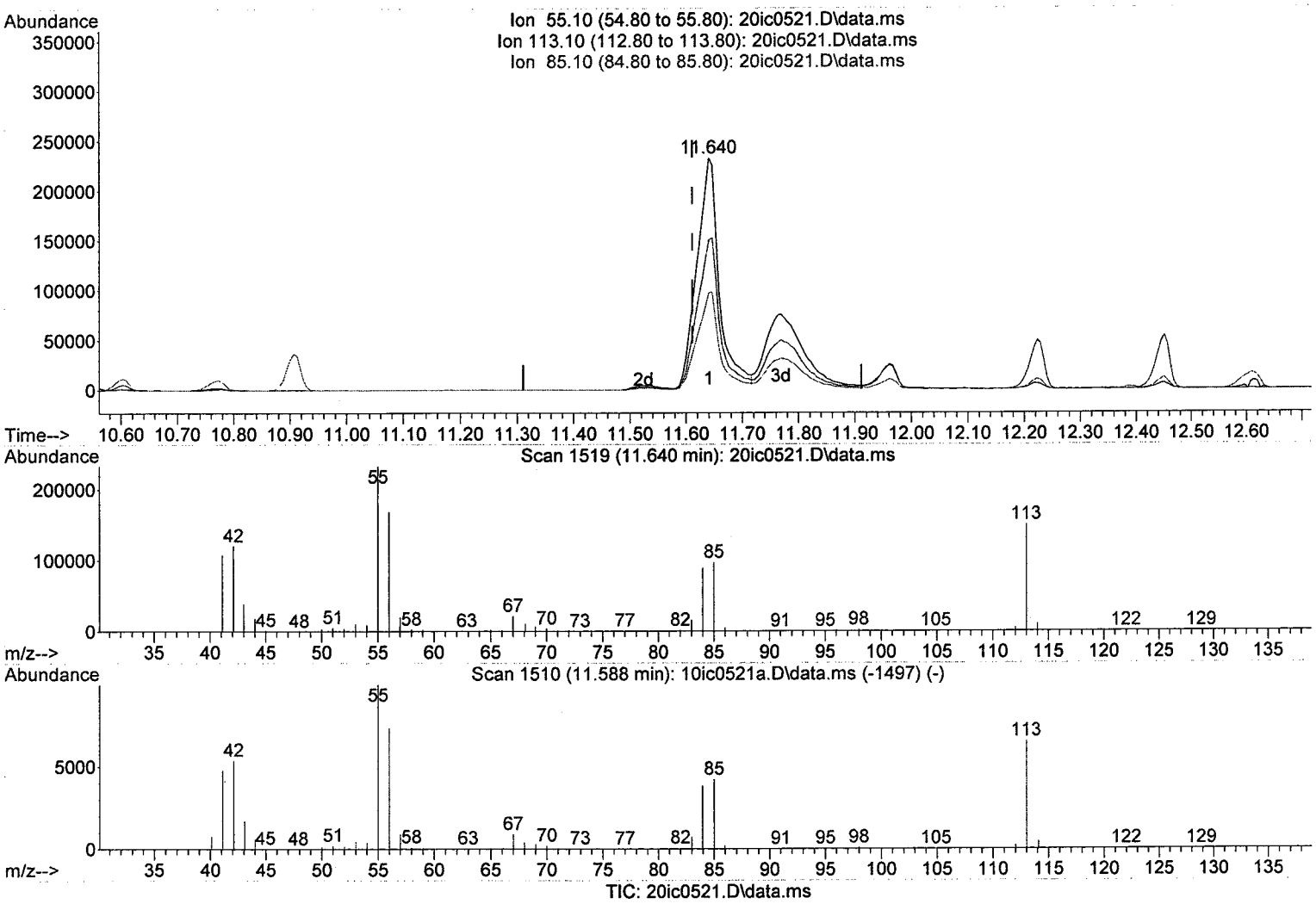
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00703

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 20ic0521.D
Acq On : 21 May 2012 19:29
Operator : JLB
Sample : 20ic0521 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 09:29:48 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:29:38 2012
Response via : Initial Calibration



TIC: 20ic0521.D\data.ms

(37) Caprolactam

11.640min (+ 0.029) 12.99 ng/uL

response 638724

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	66.70
85.10	46.10	42.40
0.00	0.00	0.00

JLB 5/23/12

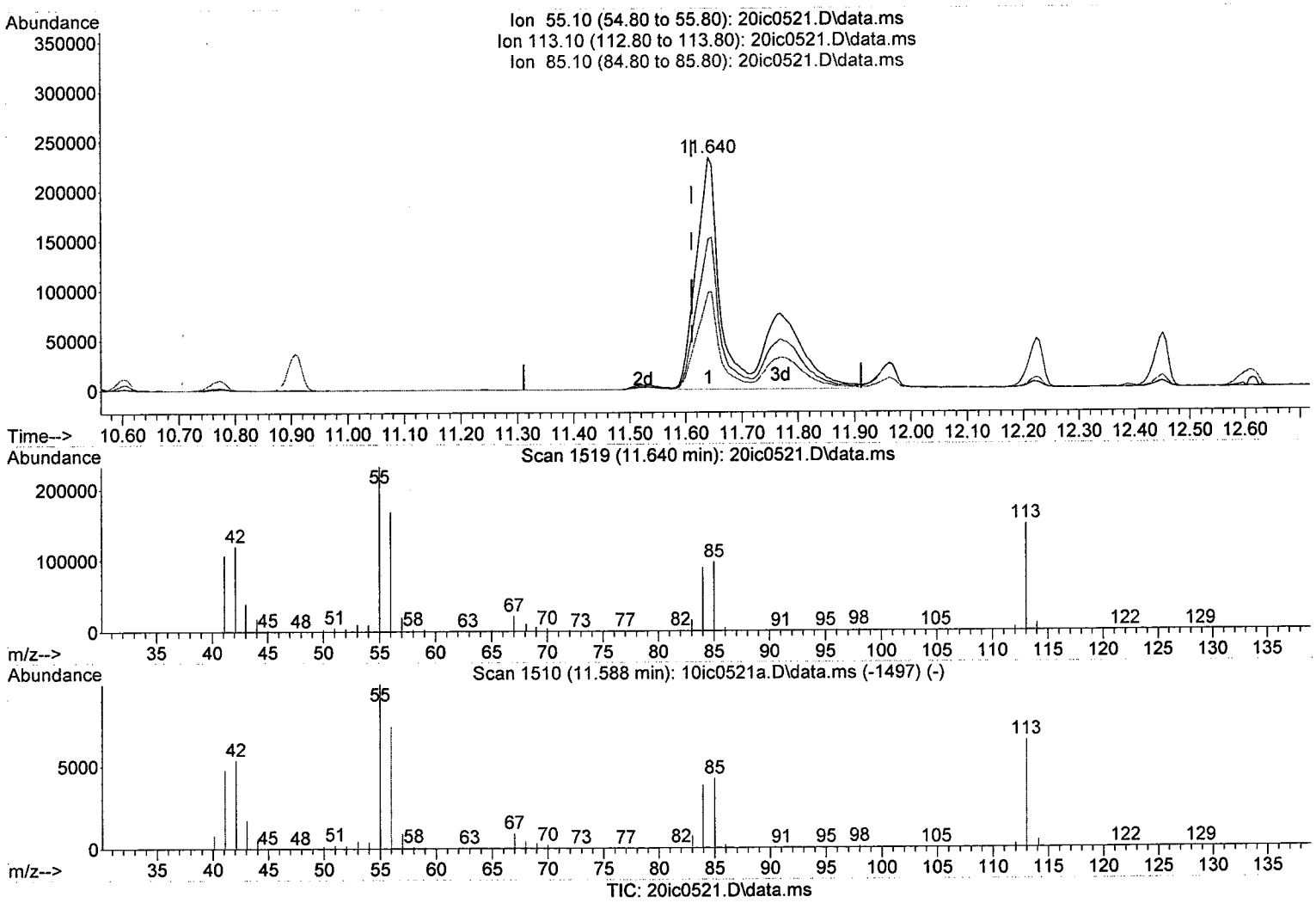
L 12/12

00704

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 20ic0521.D
Acq On : 21 May 2012 19:29
Operator : JLB
Sample : 20ic0521 Inst : 339
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 22 09:29:48 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:29:38 2012
Response via : Initial Calibration



TIC: 20ic0521.D\data.ms

(37) Caprolactam

11.640min (+ 0.029) 20.29 ng/uL m

response 1010733

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	42.15#
85.10	46.10	26.79#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5/23/12

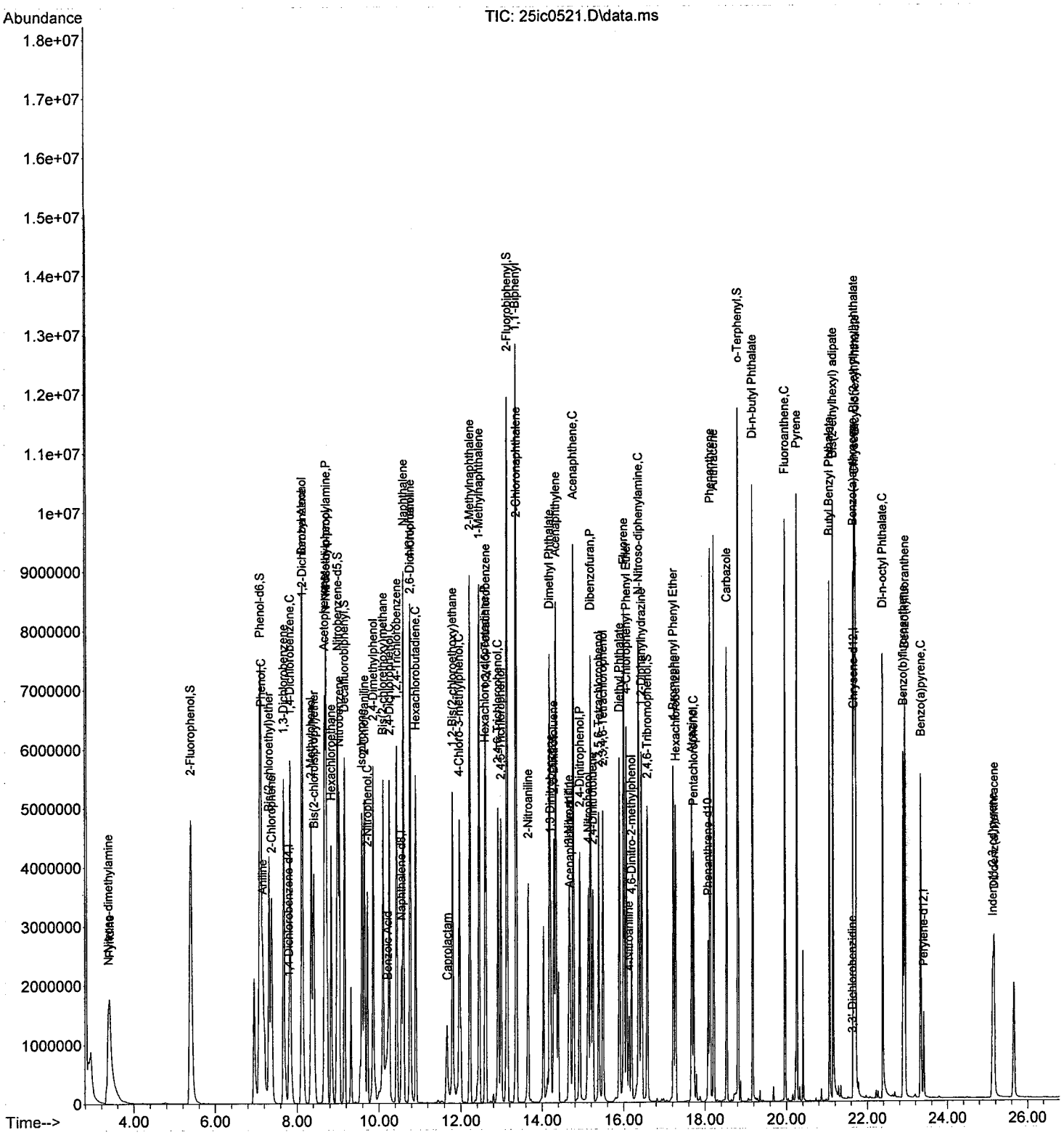
Reviewed By: [illegible] Date: 5/23/12

00705

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:36:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:36:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.799	152	481259	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.556	136	2138391	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.683	164	1183311	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.081	188	1682959	5.00	ng/uL	0.00
82) Chrysene-d12	21.666	240	777042	5.00	ng/uL	# 0.00
93) Perylene-d12	23.403	264	724296	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.392	112	6420416	53.45	ng/uL	0.03
7) Phenol-d6	7.106	99	7466058	51.13	ng/uL	0.01
22) Nitrobenzene-d5	9.000	82	5693410	44.13	ng/uL	0.01
24) Decafluorobiphenyl	9.163	334	3516473	42.41	ng/uL	0.00
48) 2-Fluorobiphenyl	13.150	172	9559123	42.24	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.595	330	1163181	46.03	ng/uL	0.01
79) o-Terphenyl	18.816	230	3969327m	34.25	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.370	74	1879434	25.40	ng/uL#	80
3) Pyridine	3.405	79	3430590	24.96	ng/uL	92
5) Aniline	7.164	93	4549083	25.09	ng/uL	87
6) Benzaldehyde	6.954	105	1353629	Below Cal	#	1
8) Phenol	7.135	94	4125059	25.65	ng/uL	90
9) Bis(2-chloroethyl)ether	7.322	93	3527985	25.77	ng/uL	100
10) 2-Chlorophenol	7.386	128	3202218	26.79	ng/uL#	29
11) 1,3-Dichlorobenzene	7.677	146	3609319	25.34	ng/uL	94
12) 1,4-Dichlorobenzene	7.834	146	3454528	25.09	ng/uL	94
13) 1,2-Dichlorobenzene	8.138	146	3279131	24.42	ng/uL	97
14) Bis(2-chloroisipropyl)...	8.423	45	5163693	25.32	ng/uL	97
15) Benzyl Alcohol	8.126	108	2070840	25.45	ng/uL#	73
16) 2-Methylphenol	8.353	108	2853308	26.60	ng/uL	92
17) Acetophenone	8.680	105	3982311	25.55	ng/uL	93
18) Hexachloroethane	8.837	119	1211847	25.55	ng/uL	97
19) 4-Methylphenol	8.715	107	3136868	25.73	ng/uL#	61
20) N-Nitroso-di-n-propyla...	8.720	70	2063438	23.78	ng/uL	93
23) Nitrobenzene	9.035	77	2966808	24.59	ng/uL#	1
25) Isophorone	9.589	82	5310418	26.06	ng/uL	95
26) 2-Chloroaniline	9.653	127	3907502	25.95	ng/uL	95
27) 2-Nitrophenol	9.723	139	1722956	25.69	ng/uL#	81
28) 2,4-Dimethylphenol	9.869	107	2566672	25.70	ng/uL#	73
29) Bis(2-chlorethoxy)methane	10.108	93	3303853	25.51	ng/uL	99
30) 2,4-Dichlorophenol	10.259	162	2447090	26.87	ng/uL	97
31) Benzoic Acid	10.218	105	1925531	24.16	ng/uL	94
32) 1,2,4-Trichlorobenzene	10.440	180	2477186	24.42	ng/uL	99
33) Naphthalene	10.609	128	8546359	23.63	ng/uL	95
34) 4-Chloroaniline	10.778	127	3020491	23.08	ng/uL	98
35) 2,6-Dichlorophenol	10.772	162	2288215	25.33	ng/uL	90
36) Hexachlorobutadiene	10.912	225	1185669	23.62	ng/uL	98
37) Caprolactam	11.670	55	1219655m	25.09	ng/uL	
38) 1,2-Bis(2-chloroethoxy...	11.804	63	2597327	24.05	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.967	107	2396384	22.67	ng/uL	88
40) 2-Methylnaphthalene	12.229	142	5626335	24.01	ng/uL	96
41) 1-Methylnaphthalene	12.457	142	5524704	23.98	ng/uL	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:36:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.211	168	922887	22.69 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.620	216	2034153	23.64 ng/uL	99
45) Hexachlorocyclopentadiene	12.596	237	1167312	21.15 ng/uL	98
46) 2,4,6-Trichlorophenol	12.917	196	1651000	24.63 ng/uL	98
47) 2,4,5-Trichlorophenol	12.993	196	1614305	23.65 ng/uL	99
49) 2-Chloronaphthalene	13.377	162	4493330	21.90 ng/uL	99
50) 1,1'-Biphenyl	13.360	154	5402235	21.00 ng/uL	97
51) 2-Nitroaniline	13.663	138	1896663	26.03 ng/uL	88
52) Acenaphthylene	14.351	152	8221373	24.55 ng/uL#	83
53) 2,6-Dinitrotoluene	14.298	165	1338928	24.42 ng/uL#	87
54) Dimethyl Phthalate	14.193	163	4996293	24.01 ng/uL	94
55) 3-Nitroaniline	14.666	138	1186582	23.66 ng/uL#	1
56) Acenaphthene	14.771	153	4927049	23.76 ng/uL	97
57) 2,4-Dinitrophenol	14.928	184	1525447	45.32 ng/uL#	79
58) Dibenzofuran	15.190	168	6729668	23.98 ng/uL	91
59) 4-Nitrophenol	15.138	65	1542236	39.70 ng/uL#	79
60) 2,4-Dinitrotoluene	15.248	165	1717671	23.96 ng/uL#	78
61) 2,3,5,6-Tetrachlorophenol	15.394	232	1232374	22.82 ng/uL	98
62) 2,3,4,6-Tetrachlorophenol	15.499	232	1156964	22.40 ng/uL	96
63) Fluorene	16.012	166	5362238	24.11 ng/uL	95
64) Diethyl Phthalate	15.901	149	4962503	22.95 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.076	204	2336727	24.17 ng/uL	95
66) 4-Nitroaniline	16.134	138	681593	22.29 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.204	198	873988	24.71 ng/uL	96
69) N-Nitroso-diphenylamine	16.379	169	4297759	25.90 ng/uL	98
70) 1,2-Diphenylhydrazine	16.449	182	1516455	26.91 ng/uL#	75
72) 4-Bromophenyl Phenyl E...	17.230	248	1199472	25.60 ng/uL	98
73) Hexachlorobenzene	17.288	284	1346343	24.23 ng/uL	98
74) Atrazine	17.685	200	1037131	23.76 ng/uL	95
75) Pentachlorophenol	17.726	266	793848	23.34 ng/uL	98
76) Phenanthrene	18.134	178	6437265	23.34 ng/uL	99
77) Anthracene	18.227	178	6399517	23.73 ng/uL	99
78) Carbazole	18.542	167	5268251	23.78 ng/uL	98
80) Di-n-butyl Phthalate	19.177	149	7261950	24.04 ng/uL	98
81) Fluoroanthene	19.964	202	5789611	24.13 ng/uL	99
83) Benzidine	0.000		0	N.D.	
84) Pyrene	20.255	202	5847459	26.02 ng/uL	94
85) Butyl Benzyl Phthalate	21.065	149	2540454	28.02 ng/uL#	79
86) Bis(2-ethylhexyl) adipate	21.153	129	2363072	28.73 ng/uL#	100
87) Benzo(a)anthracene	21.654	228	4268358	25.50 ng/uL	97
88) 3,3'-Dichlorobenzidine	21.631	252	334	1.33 ng/uL#	41
89) Chrysene	21.695	228	3801495	23.34 ng/uL#	85
90) Bis(2-ethylhexyl)phtha...	21.677	149	2822452	26.14 ng/uL	92
91) Dicyclohexyl Phthalate	21.712	149	4390878	26.86 ng/uL#	100
92) Di-n-octyl Phthalate	22.383	149	5090858	27.70 ng/uL	99
94) Benzo(b)fluoroanthene	22.896	252	3797149	28.04 ng/uL#	95
95) Benzo(k)fluoranthene	22.936	252	3698254	27.53 ng/uL	92
96) Benzo(a)pyrene	23.339	252	3517600	26.05 ng/uL	94
97) Indeno(1,2,3-cd)pyrene	25.134	276	2371761	23.50 ng/uL#	74
98) Dibdenz(a,h)anthracene	25.169	278	2067626	24.41 ng/uL#	83
99) Benzo(g,h,i)Perylene	25.664	276	1719580	Below Cal #	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:36:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

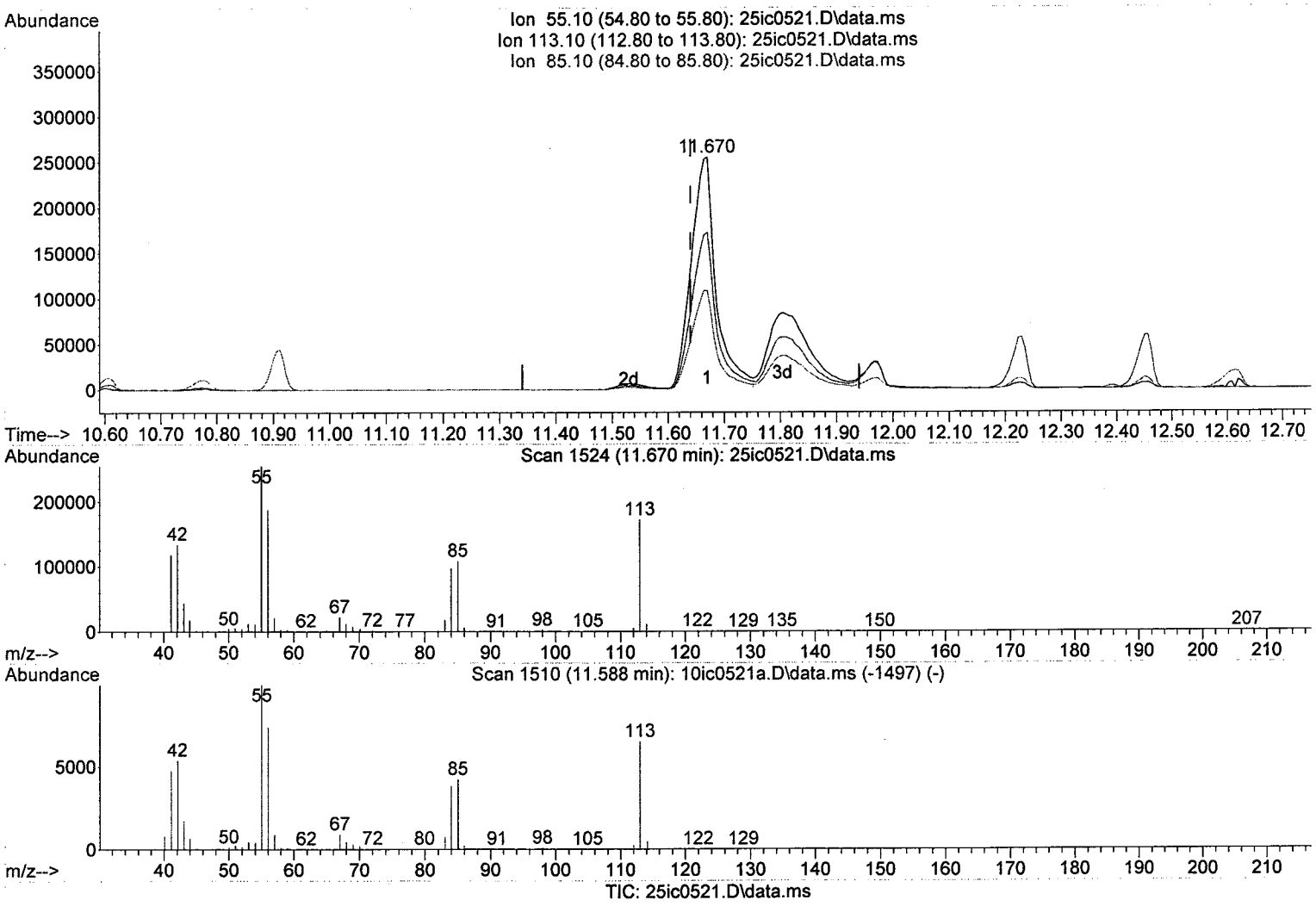
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00709

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:31:46 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration



TIC: 25ic0521.D\data.ms

(37) Caprolactam

11.670min (+ 0.029) 16.05 ng/uL

response 771757

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	67.62
85.10	46.10	42.15
0.00	0.00	0.00

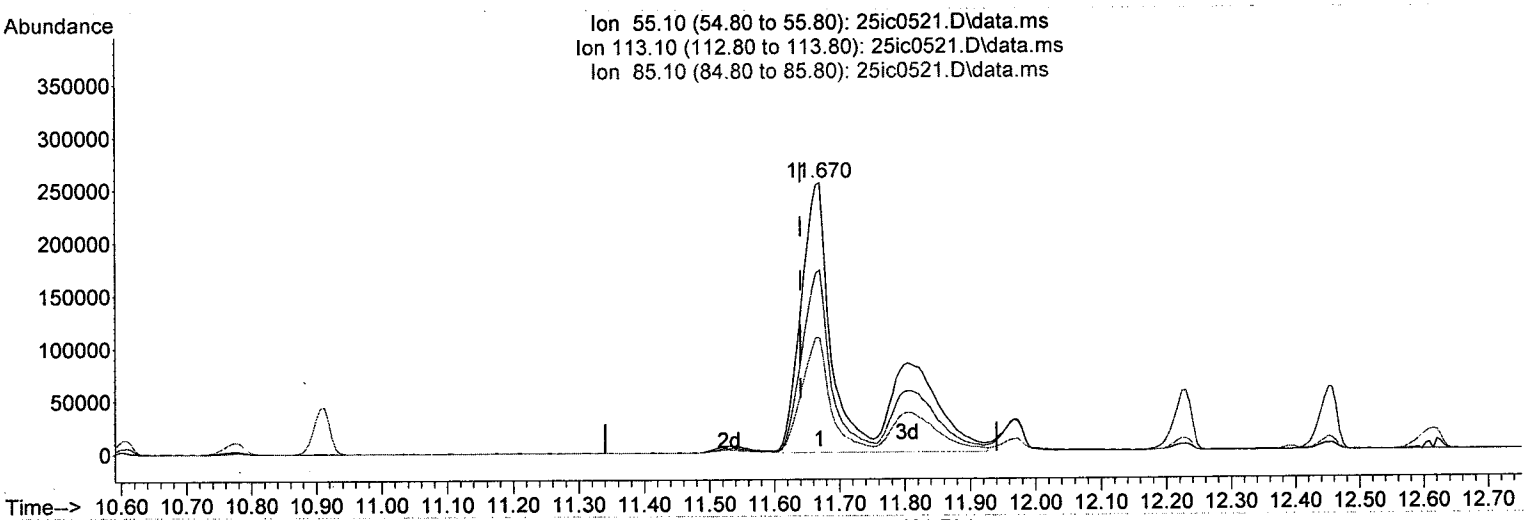
JWS 5/23/12

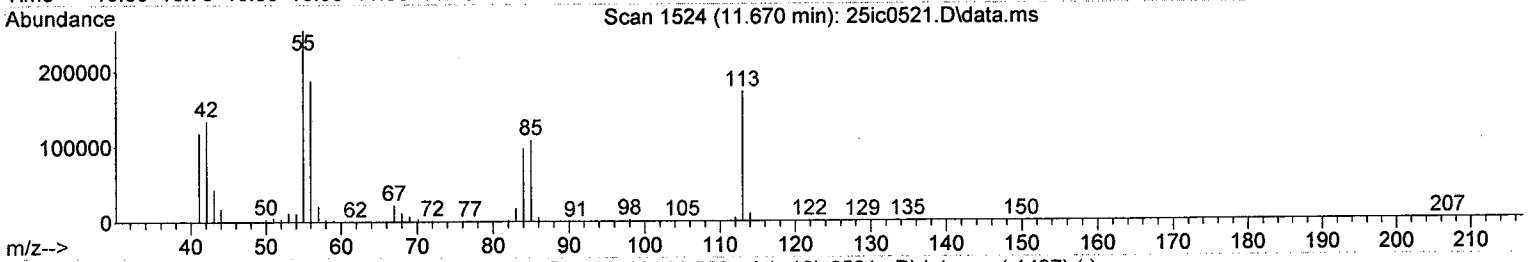
00710

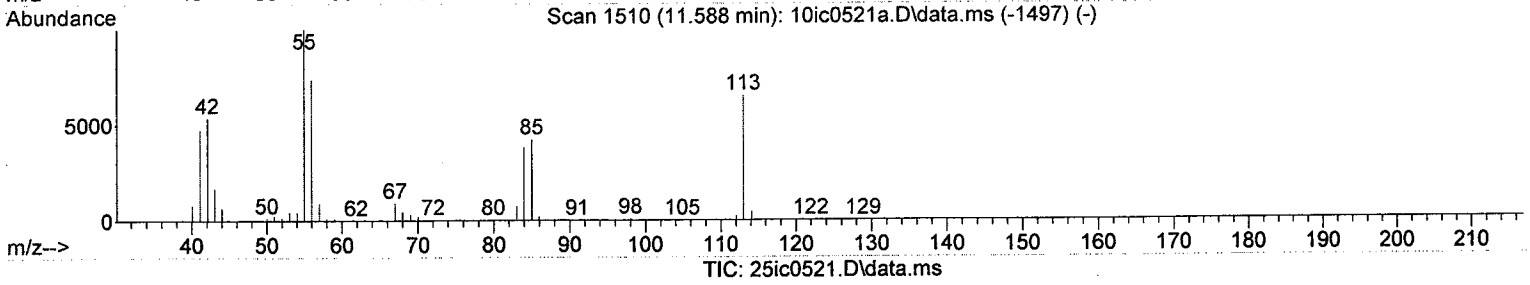
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:31:46 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration







TIC: 25ic0521.D\data.ms

(37) Caprolactam

11.670min (+ 0.029) 25.09 ng/uL m

response 1219655

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	42.79#
85.10	46.10	26.67#
0.00	0.00	0.00

Manual Integration Explanation

Reason 3: Incorrect baseline drawn by the software.

Flagged on Quantitation Report: Yes / No

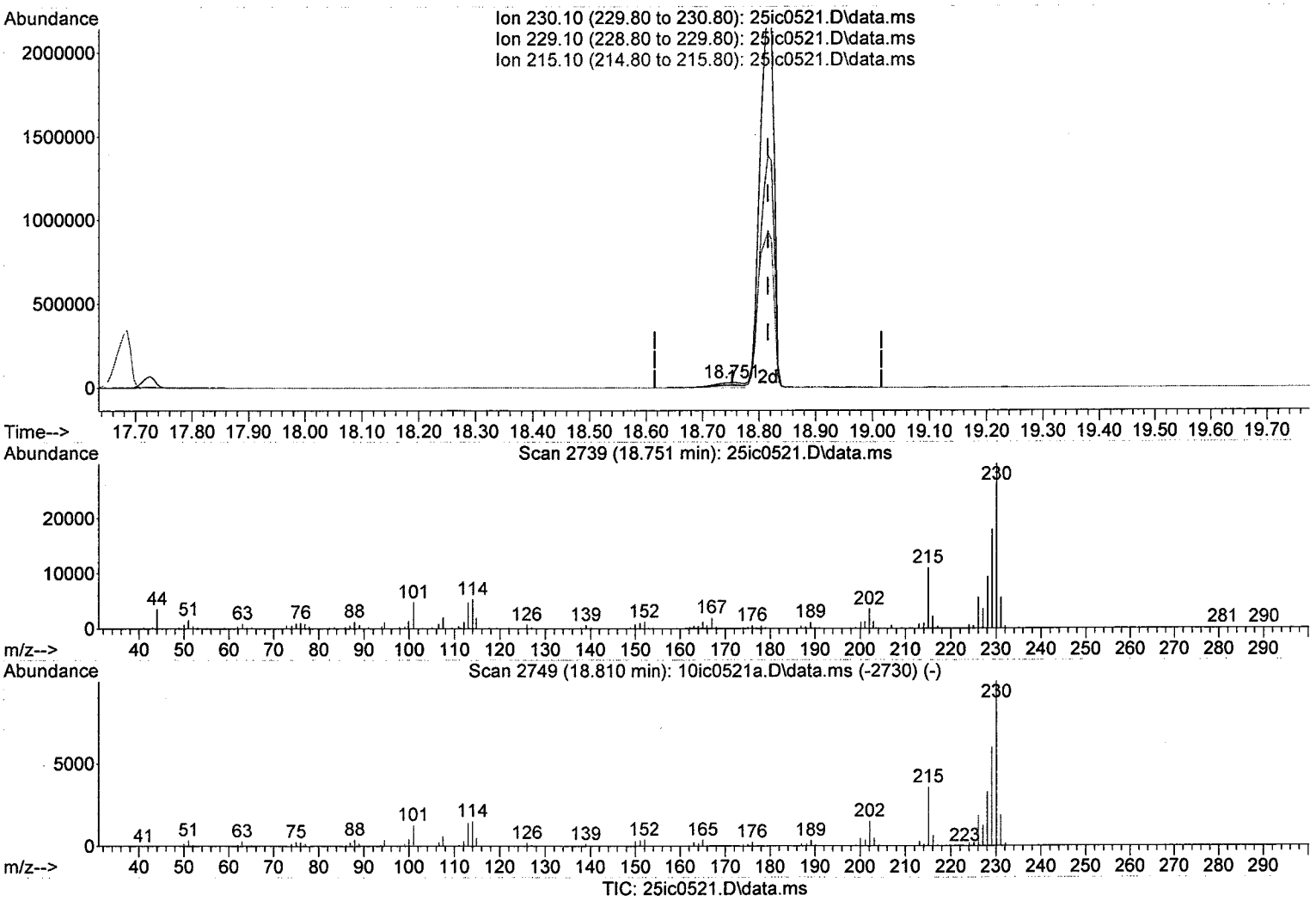
Analyst: JLB Date: 5/23/12

Reviewed By: L Date: 5/23/12

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:31:46 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration



TIC: 25ic0521.D\data.ms

(79) o-Terphenyl (S)

18.751min (-0.064) 0.91 ng/uL

response 105151

Ion	Exp%	Act%
230.10	100.00	100.00
229.10	62.70	60.12
215.10	35.20	34.94
0.00	0.00	0.00

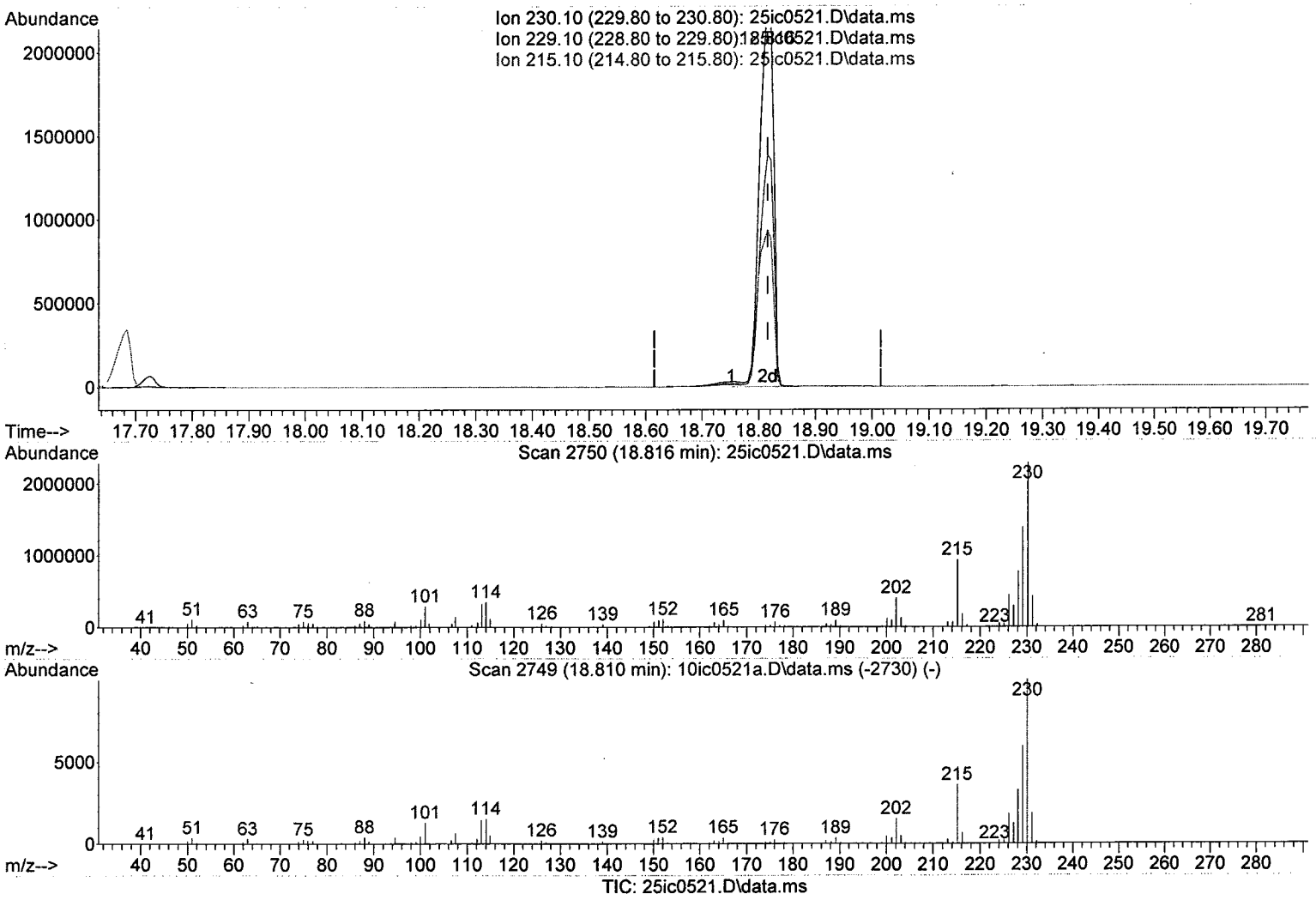
JLB 5/23/12

00712

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 25ic0521.D
Acq On : 21 May 2012 20:02
Operator : JLB
Sample : 25ic0521 Inst : 339
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 22 09:31:46 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:31:37 2012
Response via : Initial Calibration



TIC: 25ic0521.D\data.ms

(79) o-Terphenyl (S)

18.816min (+ 0.000) 34.25 ng/uL m

response 3969327

Ion	Exp%	Act%
230.10	100.00	100.00
229.10	62.70	1.59#
215.10	35.20	0.93#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5/23/12

Reviewed By: [illegible] Date: 5/24

00713

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Laboratory ID: 2E11031-SCV1
Standard ID: 2050258
Sequence: 2E11031
Calibration: 2E11005

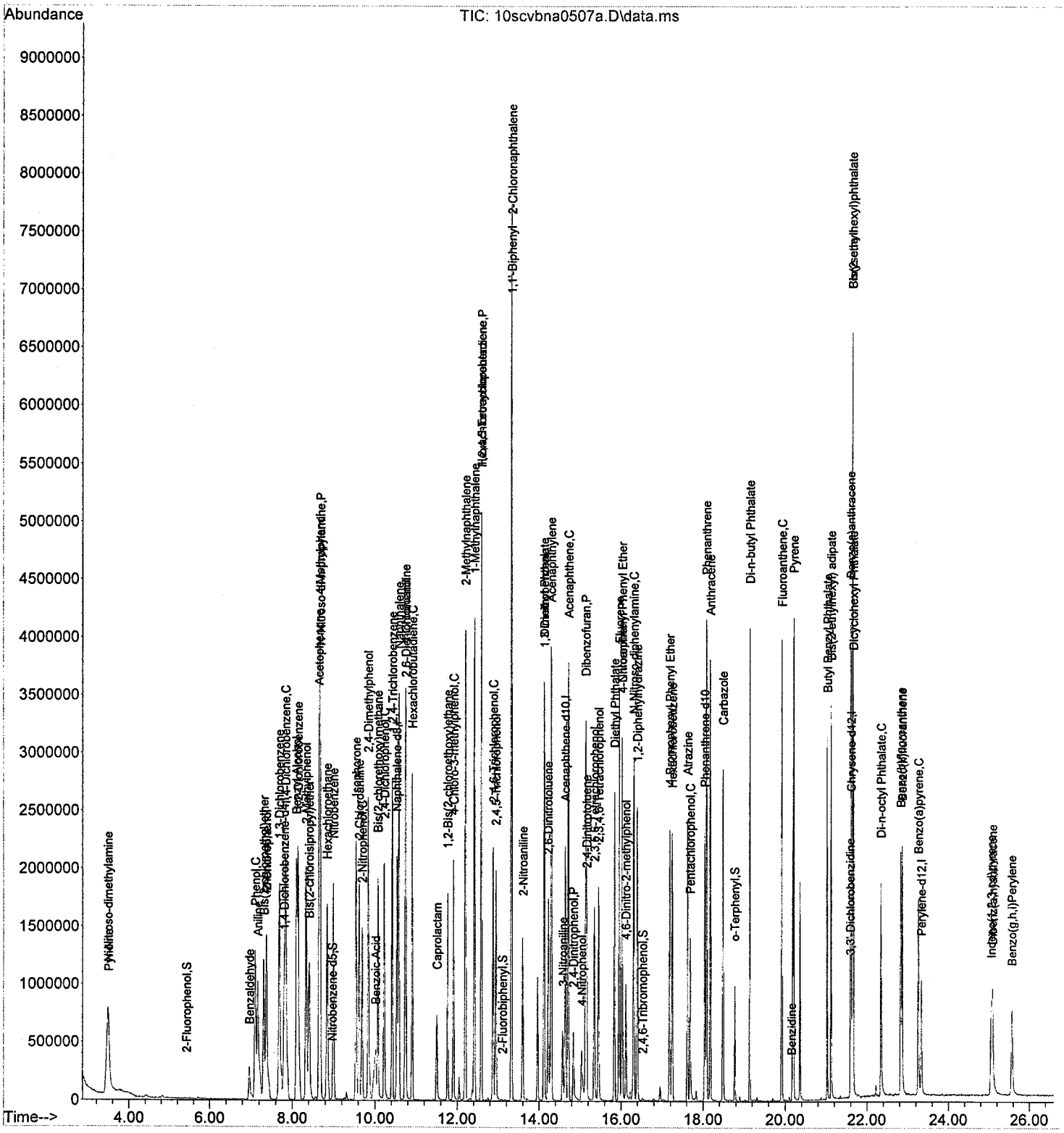
Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
Acenaphthene	10.0	9.09	91	70-130
Acenaphthylene	10.0	9.22	92	70-130
Anthracene	10.0	9.21	92	70-130
Benzo(a)anthracene	10.0	8.84	88	70-130
Benzo(a)pyrene	10.0	9.31	93	70-130
Benzo(b)fluoranthene	10.0	8.86	89	70-130
Benzo(g,h,i)perylene	10.0	8.96	90	70-130
Benzo(k)fluoranthene	10.0	8.98	90	70-130
Chrysene	10.0	9.41	94	70-130
Dibenz(a,h)anthracene	10.0	9.07	91	70-130
Fluoranthene	10.0	9.29	93	70-130
Fluorene	10.0	9.09	91	70-130
Indeno(1,2,3-cd)pyrene	10.0	9.38	94	70-130
2-Methylnaphthalene	10.0	8.85	89	70-130
Naphthalene	10.0	8.60	86	70-130
Phenanthrene	10.0	9.25	93	70-130
Pyrene	10.0	9.74	97	70-130

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10scvbna0507a.D
Acq On : 7 May 2012 16:15
Operator : JLB
Sample : 10scvbna0507a Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 16:48:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 16:48:02 2012
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10scvbna0507a.D
Acq On : 7 May 2012 16:15
Operator : JLB
Sample : 10scvbna0507a Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 16:48:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 16:48:02 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.808	152	395063	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.536	136	1671296	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.651	164	843227	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.043	188	1252280	5.00	ng/uL	0.00
82) Chrysene-d12	21.616	240	629812	5.00	ng/uL	# 0.00
93) Perylene-d12	23.341	264	555071	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.424	112	327	0.50	ng/uL	-0.01
7) Phenol-d6	7.377	99	62109	0.51	ng/uL	0.27
22) Nitrobenzene-d5	8.974	82	1687	0.01	ng/uL	0.00
24) Decafluorobiphenyl	0.000	334	0	0.00	ng/uL	
48) 2-Fluorobiphenyl	13.106	172	2974	0.01	ng/uL	-0.01
71) 2,4,6-Tribromophenol	16.527	330	3111	0.19	ng/uL	-0.01
79) o-Terphenyl	18.777	230	7799	0.06	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.489	74	627884	8.42	ng/uL	86
3) Pyridine	3.500	79	1202898	9.03	ng/uL	91
5) Aniline	7.173	93	1171715	11.95	ng/uL	97
6) Benzaldehyde	6.974	105	148481	~~249.74~~	ng/uL#	1
8) Phenol	7.114	94	1334193	8.50	ng/uL#	82
9) Bis(2-chloroethyl)ether	7.318	93	979841	8.67	ng/uL	100
10) 2-Chlorophenol	7.382	128	1019970	9.01	ng/uL#	41
11) 1,3-Dichlorobenzene	7.691	146	1221890	8.97	ng/uL	95
12) 1,4-Dichlorobenzene	7.843	146	1219777	8.69	ng/uL	97
13) 1,2-Dichlorobenzene	8.146	146	1147044	9.00	ng/uL	95
14) Bis(2-chloroisipropyl)...	8.420	45	1153709	8.02	ng/uL	92
15) Benzyl Alcohol	8.105	108	672523	9.25	ng/uL	99
16) 2-Methylphenol	8.344	108	912262	9.12	ng/uL	93
17) Acetophenone	8.659	105	1459218	9.42	ng/uL#	81
18) Hexachloroethane	8.851	119	455912	9.09	ng/uL	97
19) 4-Methylphenol	8.676	107	1042114	9.44	ng/uL#	42
20) N-Nitroso-di-n-propyla...	8.688	70	715693	8.86	ng/uL#	76
23) Nitrobenzene	9.003	77	1155527	8.66	ng/uL#	63
25) Isophorone	9.551	82	1794212	8.57	ng/uL	98
26) 2-Chloroaniline	9.626	127	1083344	8.02	ng/uL	97
27) 2-Nitrophenol	9.696	139	525483	8.85	ng/uL	89
28) 2,4-Dimethylphenol	9.842	107	1014812	8.83	ng/uL	92
29) Bis(2-chlorethoxy)methane	10.075	93	996946	8.24	ng/uL	96
30) 2,4-Dichlorophenol	10.233	162	725125	9.01	ng/uL	99
31) Benzoic Acid	10.023	105	467548	8.14	ng/uL	94
32) 1,2,4-Trichlorobenzene	10.425	180	919746	8.17	ng/uL	100
33) Naphthalene	10.588	128	2956336	8.60	ng/uL	97
34) 4-Chloroaniline	10.745	127	810739	10.34	ng/uL#	56
35) 2,6-Dichlorophenol	10.751	162	751021	9.28	ng/uL	90
36) Hexachlorobutadiene	10.915	225	554201	8.59	ng/uL	97
37) Caprolactam	11.509	55	242020	8.42	ng/uL	89
38) 1,2-Bis(2-chloroethoxy...	11.771	63	715886	7.56	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.917	107	718652	9.09	ng/uL	97
40) 2-Methylnaphthalene	12.203	142	1938566	8.85	ng/uL	97
41) 1-Methylnaphthalene	12.424	142	1925294	9.45	ng/uL	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10scvbna0507a.D
Acq On : 7 May 2012 16:15
Operator : JLB
Sample : 10scvbna0507a Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 16:48:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 16:48:02 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.132	168	267433	8.51	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.593	216	871439	9.22	ng/uL	98
45) Hexachlorocyclopentadiene	12.593	237	505783	8.98	ng/uL	99
46) 2,4,6-Trichlorophenol	12.885	196	483228	9.69	ng/uL	98
47) 2,4,5-Trichlorophenol	12.949	196	484836	10.18	ng/uL	98
49) 2-Chloronaphthalene	13.333	162	1718096	9.09	ng/uL	94
50) 1,1'-Biphenyl	13.328	154	2344574	10.07	ng/uL	98
51) 2-Nitroaniline	13.607	138	464625	9.86	ng/uL	96
52) Acenaphthylene	14.301	152	2597564	9.22	ng/uL#	83
53) 2,6-Dinitrotoluene	14.231	165	389386	9.91	ng/uL	94
54) Dimethyl Phthalate	14.126	163	1627442	9.20	ng/uL	95
55) 3-Nitroaniline	14.587	138	174600	6.17	ng/uL#	1
56) Acenaphthene	14.726	153	1643067	9.09	ng/uL	98
57) 2,4-Dinitrophenol	14.843	184	149823	9.10	ng/uL	100
58) Dibenzofuran	15.146	168	2078820	8.87	ng/uL	92
59) 4-Nitrophenol	15.047	65	201857	8.06	ng/uL	84
60) 2,4-Dinitrotoluene	15.169	165	455330	9.34	ng/uL#	71
61) 2,3,5,6-Tetrachlorophenol	15.356	232	358210	9.28	ng/uL	97
62) 2,3,4,6-Tetrachlorophenol	15.455	232	353184	9.42	ng/uL#	92
63) Fluorene	15.962	166	1672067	9.09	ng/uL	99
64) Diethyl Phthalate	15.846	149	1625481	8.95	ng/uL	96
65) 4-Chlorophenyl Phenyl ...	16.032	204	782137	8.72	ng/uL#	85
66) 4-Nitroaniline	16.032	138	126735	4.65	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.125	198	229732	9.12	ng/uL#	87
69) N-Nitroso-diphenylamine	16.318	169	1288858	8.87	ng/uL	99
70) 1,2-Diphenylhydrazine	16.405	182	422253	8.70	ng/uL	94
72) 4-Bromophenyl Phenyl E...	17.186	248	420222	8.96	ng/uL	97
73) Hexachlorobenzene	17.250	284	447552	8.43	ng/uL#	92
74) Atrazine	17.623	200	406512	10.08	ng/uL	94
75) Pentachlorophenol	17.687	266	228905	8.61	ng/uL	94
76) Phenanthrene	18.084	178	2278861	9.25	ng/uL	98
77) Anthracene	18.177	178	2160066	9.21	ng/uL	96
78) Carbazole	18.492	167	1572943	8.86	ng/uL	99
80) Di-n-butyl Phthalate	19.150	149	2386178	9.40	ng/uL	100
81) Fluoroanthene	19.926	202	1969638	9.29	ng/uL#	88
83) Benzidine	20.159	184	222	0.01	ng/uL#	1
84) Pyrene	20.211	202	2068794	9.74	ng/uL	94
85) Butyl Benzyl Phthalate	21.027	149	778156	9.64	ng/uL	87
86) Bis(2-ethylhexyl) adipate	21.120	129	594185	9.50	ng/uL#	100
87) Benzo(a)anthracene	21.604	228	1416236	8.84	ng/uL	98
88) 3,3'-Dichlorobenzidine	21.593	252	1848	0.06	ng/uL#	81
89) Chrysene	21.645	228	1453725	9.41	ng/uL	99
90) Bis(2-ethylhexyl)phtha...	21.645	149	887118	9.18	ng/uL	99
91) Dicyclohexyl Phthalate	21.668	149	1289481	10.51	ng/uL#	100
92) Di-n-octyl Phthalate	22.344	149	1229662	9.14	ng/uL	100
94) Benzo(b)fluoroanthene	22.834	252	1090167	8.86	ng/uL	97
95) Benzo(k)fluoranthene	22.869	252	1150628	8.98	ng/uL	93
96) Benzo(a)pyrene	23.265	252	1008305	9.31	ng/uL#	91
97) Indeno(1,2,3-cd)pyrene	25.061	276	867253	9.38	ng/uL#	77
98) Dibenz(a,h)anthracene	25.096	278	699928	9.07	ng/uL	96
99) Benzo(g,h,i)Perylene	25.574	276	685314	8.96	ng/uL	97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : 10scvbna0507a.D
Acq On : 7 May 2012 16:15
Operator : JLB
Sample : 10scvbna0507a Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 07 16:48:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Mon May 07 16:48:02 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Laboratory ID: 2E22049-SCV1
Standard ID: 2050258
Sequence: 2E22049
Calibration: 2E22022

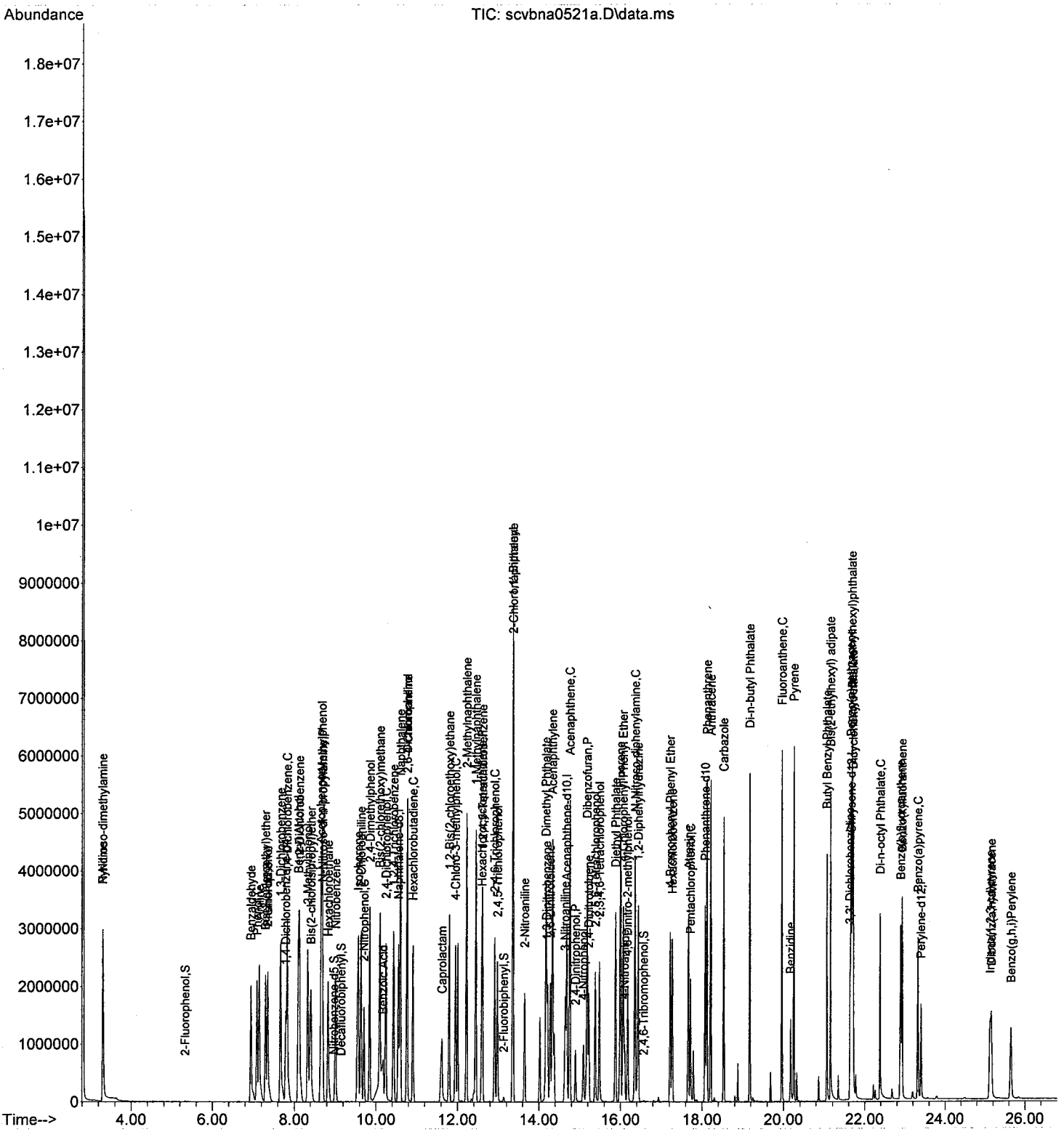
Analyte	Expected (ug/mL)	Found (ug/mL)	% Rec.	QC Limit
Acenaphthene	10.0	10.1	101	70-130
Acenaphthylene	10.0	10.2	102	70-130
Anthracene	10.0	10.3	103	70-130
Benzo(a)anthracene	10.0	10.5	105	70-130
Benzo(a)pyrene	10.0	9.95	100	70-130
Benzo(b)fluoranthene	10.0	10.4	104	70-130
Benzo(g,h,i)perylene	10.0	10.4	104	70-130
Benzo(k)fluoranthene	10.0	10.5	105	70-130
Chrysene	10.0	10.1	101	70-130
Dibenz(a,h)anthracene	10.0	11.2	112	70-130
Fluoranthene	10.0	10.6	106	70-130
Fluorene	10.0	10.7	107	70-130
Indeno(1,2,3-cd)pyrene	10.0	10.9	109	70-130
2-Methylnaphthalene	10.0	10.3	103	70-130
Naphthalene	10.0	10.1	101	70-130
Phenanthrene	10.0	10.0	100	70-130
Pyrene	10.0	11.1	111	70-130

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



00720

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	565621	5.00	ng/uL	#-0.01
21) Naphthalene-d8	10.551	136	2455488	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.677	164	1369733	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.075	188	2021560	5.00	ng/uL	0.00
82) Chrysene-d12	21.660	240	919288	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	839579	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.328	112	9197	0.06	ng/uL	-0.06
7) Phenol-d6	7.351	99	61357	0.36	ng/uL	0.24
22) Nitrobenzene-d5	8.971	82	9174	0.07	ng/uL	-0.03
24) Decafluorobiphenyl	9.146	334	7738	0.09	ng/uL	-0.02
48) 2-Fluorobiphenyl	13.127	172	24739	0.10	ng/uL	-0.02
71) 2,4,6-Tribromophenol	16.572	330	2202	0.17	ng/uL	-0.02
79) o-Terphenyl	18.798	230	13781	-1.00	ng/uL	-0.02
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.306	74	904834	10.99	ng/uL	81
3) Pyridine	3.306	79	1579392	10.29	ng/uL	92
5) Aniline	7.147	93	2208103	10.27	ng/uL	92
6) Benzaldehyde	6.943	105	944062	8.53	ng/uL#	1
8) Phenol	7.088	94	1976740	10.38	ng/uL#	47
9) Bis(2-chloroethyl)ether	7.298	93	1549469	9.55	ng/uL	100
10) 2-Chlorophenol	7.351	128	1476915	10.44	ng/uL#	34
11) 1,3-Dichlorobenzene	7.665	146	1629261	9.70	ng/uL	93
12) 1,4-Dichlorobenzene	7.823	146	1659368	10.22	ng/uL	94
13) 1,2-Dichlorobenzene	8.120	146	1546026	9.77	ng/uL	95
14) Bis(2-chloroisipropyl)...	8.411	45	2459628	9.99	ng/uL	96
15) Benzyl Alcohol	8.103	108	975012m	9.98	ng/uL	
16) 2-Methylphenol	8.330	108	1337561	10.53	ng/uL	92
17) Acetophenone	8.656	105	1928341	10.57	ng/uL#	94
18) Hexachloroethane	8.831	119	565430	10.23	ng/uL	97
19) 4-Methylphenol	8.680	107	1482497	10.29	ng/uL#	60
20) N-Nitroso-di-n-propyla...	8.697	70	964524	10.49	ng/uL#	64
23) Nitrobenzene	9.012	77	1336975	9.89	ng/uL#	61
25) Isophorone	9.566	82	2581546	11.20	ng/uL	95
26) 2-Chloroaniline	9.635	127	2003330	11.51	ng/uL	92
27) 2-Nitrophenol	9.711	139	759212	9.85	ng/uL#	72
28) 2,4-Dimethylphenol	9.851	107	1261206	11.26	ng/uL#	52
29) Bis(2-chlorethoxy)methane	10.096	93	1719700	11.51	ng/uL	99
30) 2,4-Dichlorophenol	10.242	162	1131037	10.82	ng/uL	97
31) Benzoic Acid	10.178	105	1492739	17.89	ng/uL	91
32) 1,2,4-Trichlorobenzene	10.428	180	1158287	10.10	ng/uL	98
33) Naphthalene	10.597	128	4211520	10.14	ng/uL#	95
34) 4-Chloroaniline	10.766	127	1706288	11.35	ng/uL	89
35) 2,6-Dichlorophenol	10.760	162	1119674	10.84	ng/uL	90
36) Hexachlorobutadiene	10.906	225	554673	10.14	ng/uL	99
37) Caprolactam	11.617	55	605538	11.05	ng/uL	95
38) 1,2-Bis(2-chloroethoxy...	11.798	63	1481504	12.13	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.944	107	1081426	9.79	ng/uL#	88
40) 2-Methylnaphthalene	12.218	142	2747411	10.26	ng/uL	96
41) 1-Methylnaphthalene	12.445	142	2542769	9.65	ng/uL	96

00721

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.188	168	462872	10.52	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.608	216	1038136	10.54	ng/uL	99
45) Hexachlorocyclopentadiene	12.591	237	532644	10.02	ng/uL	99
46) 2,4,6-Trichlorophenol	12.905	196	742886	10.09	ng/uL	97
47) 2,4,5-Trichlorophenol	12.975	196	718704	9.71	ng/uL	98
49) 2-Chloronaphthalene	13.360	162	2356809	10.00	ng/uL	99
50) 1,1'-Biphenyl	13.348	154	3073736	10.45	ng/uL	97
51) 2-Nitroaniline	13.646	138	789875	9.52	ng/uL	89
52) Acenaphthylene	14.333	152	3971219	10.25	ng/uL#	81
53) 2,6-Dinitrotoluene	14.281	165	605070	9.87	ng/uL#	87
54) Dimethyl Phthalate	14.170	163	2571521	10.84	ng/uL	95
55) 3-Nitroaniline	14.642	138	640339	11.11	ng/uL#	1
56) Acenaphthene	14.759	153	2413179	10.10	ng/uL	97
57) 2,4-Dinitrophenol	14.893	184	238333	8.41	ng/uL#	80
58) Dibenzofuran	15.179	168	3269943	10.13	ng/uL	91
59) 4-Nitrophenol	15.085	65	321665m	8.95	ng/uL	
60) 2,4-Dinitrotoluene	15.219	165	736510	9.47	ng/uL#	79
61) 2,3,5,6-Tetrachlorophenol	15.383	232	533521	9.68	ng/uL	99
62) 2,3,4,6-Tetrachlorophenol	15.482	232	518896	9.86	ng/uL	97
63) Fluorene	15.995	166	2723319	10.66	ng/uL	95
64) Diethyl Phthalate	15.878	149	2405525	10.76	ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.064	204	1145098	10.44	ng/uL	95
66) 4-Nitroaniline	16.099	138	445970	10.30	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.169	198	310148	8.09	ng/uL	96
69) N-Nitroso-diphenylamine	16.362	169	2069503	10.26	ng/uL	98
70) 1,2-Diphenylhydrazine	16.438	182	702889	10.35	ng/uL	79
72) 4-Bromophenyl Phenyl E...	17.219	248	587098	10.53	ng/uL	97
73) Hexachlorobenzene	17.271	284	659419	9.94	ng/uL	98
74) Atrazine	17.667	200	545027	11.31	ng/uL	93
75) Pentachlorophenol	17.714	266	356021	9.60	ng/uL	97
76) Phenanthrene	18.122	178	3309010	10.03	ng/uL	97
77) Anthracene	18.215	178	3310171	10.28	ng/uL	99
78) Carbazole	18.530	167	3007880	11.24	ng/uL	97
80) Di-n-butyl Phthalate	19.171	149	3652782	10.26	ng/uL	99
81) Fluoroanthene	19.958	202	2988342	10.57	ng/uL	100
83) Benzidine	20.168	184	750213	~~84.32~~	ng/uL	100
84) Pyrene	20.249	202	2981157	11.09	ng/uL#	92
85) Butyl Benzyl Phthalate	21.060	149	1124981	10.19	ng/uL#	80
86) Bis(2-ethylhexyl) adipate	21.147	129	1025141	9.80	ng/uL#	100
87) Benzo(a)anthracene	21.648	228	2077498	10.54	ng/uL#	97
88) 3,3'-Dichlorobenzidine	21.625	252	562081	~~1886.24~~	ng/uL	98
89) Chrysene	21.689	228	1935700	10.09	ng/uL#	83
90) Bis(2-ethylhexyl)phtha...	21.677	149	1287266	9.98	ng/uL	92
91) Dicyclohexyl Phthalate	21.707	149	2137400	10.57	ng/uL#	100
92) Di-n-octyl Phthalate	22.383	149	2080801	9.87	ng/uL	100
94) Benzo(b)fluoroanthene	22.890	252	1779188	10.35	ng/uL#	95
95) Benzo(k)fluoranthene	22.925	252	1645755	10.54	ng/uL#	84
96) Benzo(a)pyrene	23.321	252	1559478	9.95	ng/uL#	90
97) Indeno(1,2,3-cd)pyrene	25.128	276	1312492	10.89	ng/uL#	73
98) Dibdenz(a,h)anthracene	25.157	278	1128290	11.21	ng/uL#	81
99) Benzo(g,h,i)Perylene	25.653	276	1030533	10.44	ng/uL#	81

00722

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:52 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

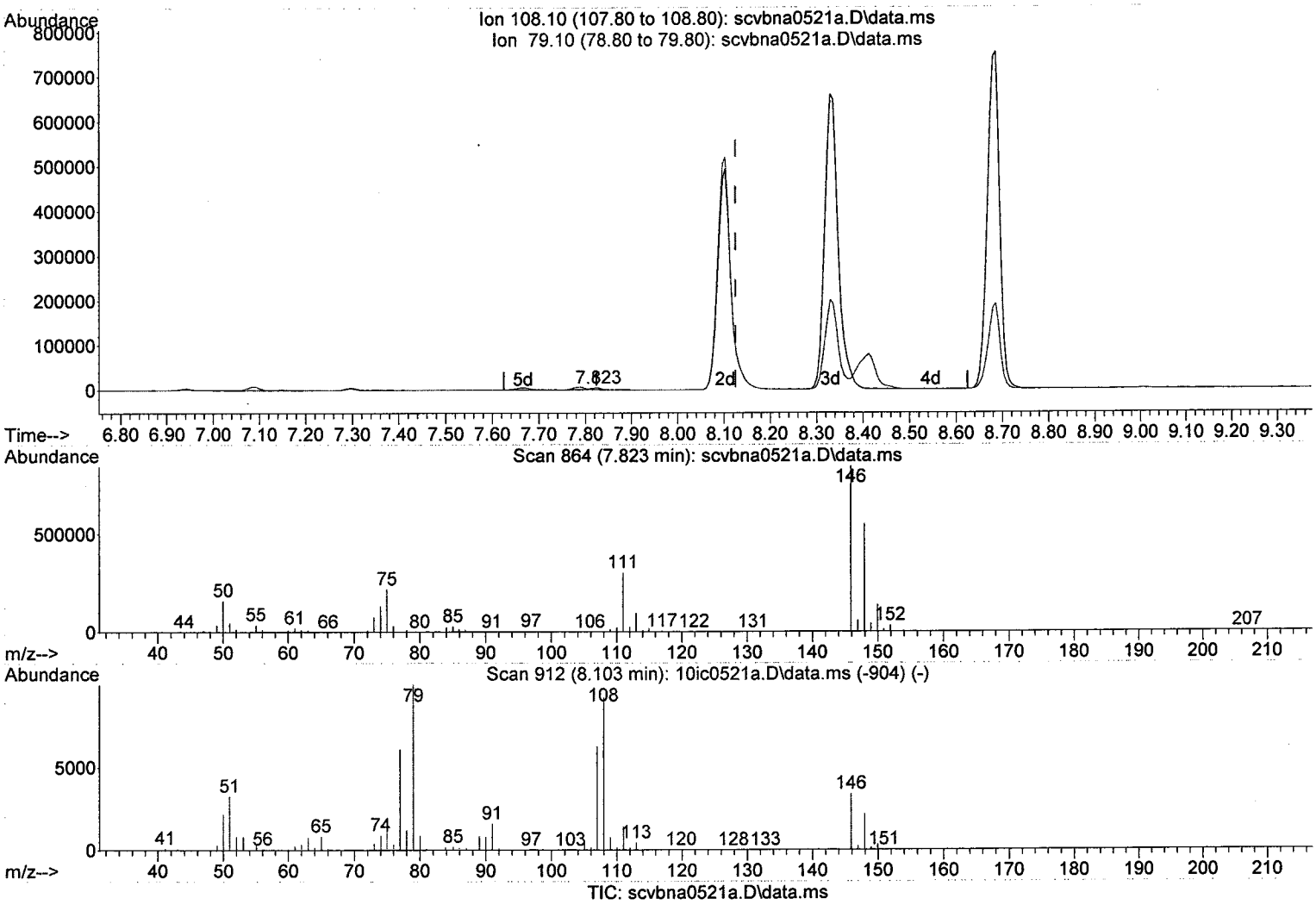
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00723

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:05 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: scvbna0521a.D\data.ms

(15) Benzyl Alcohol

7.823min (-0.302) 0.20 ng/uL

response 10491

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	131.52
0.00	0.00	0.00
0.00	0.00	0.00

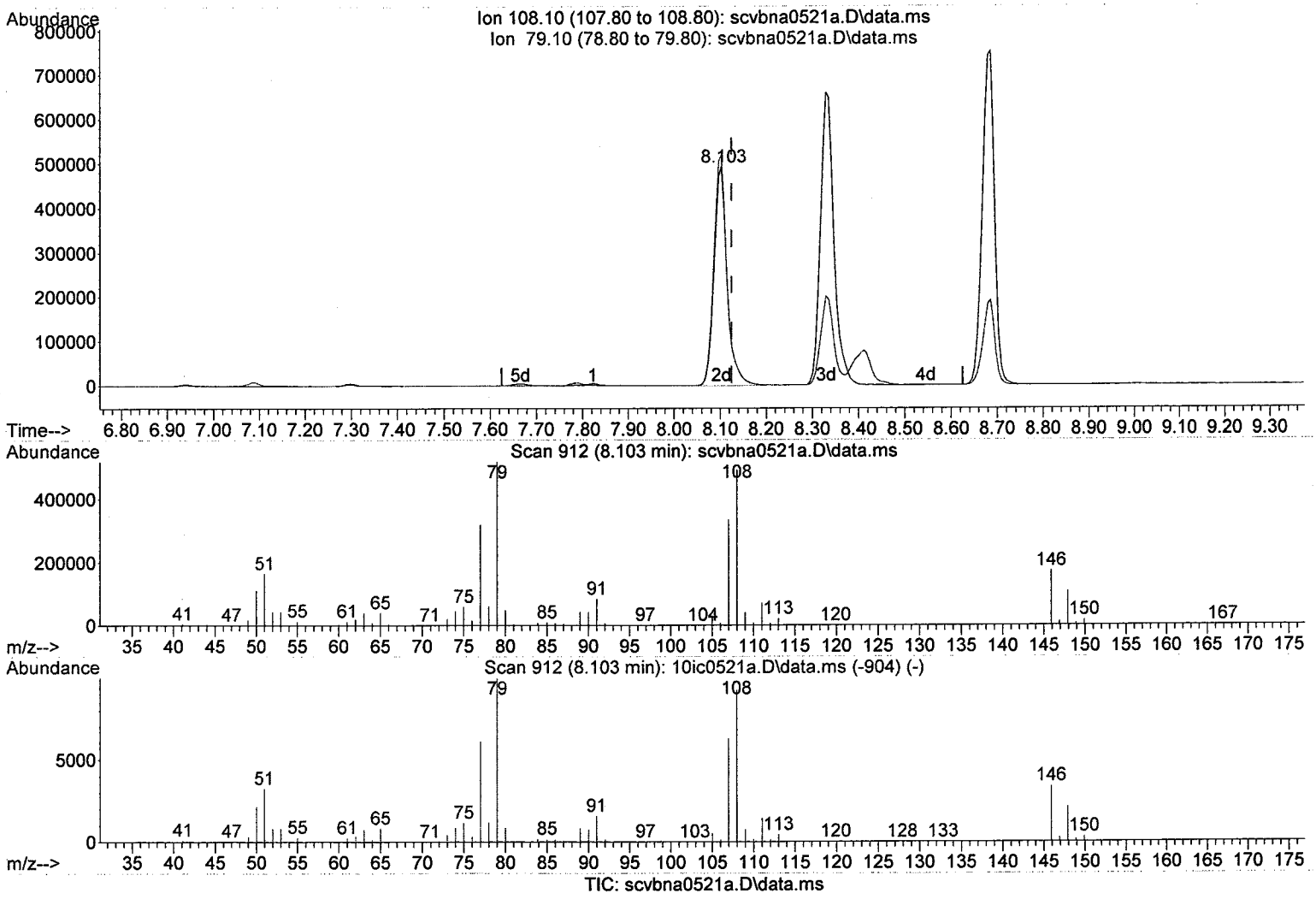
JLB 5/23/12 LRL

00724

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:05 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: scvbna0521a.D\data.ms

(15) Benzyl Alcohol

8.103min (-0.022) 9.98 ng/uL m

response 975012

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	1.42#
0.00	0.00	0.00
0.00	0.00	0.00

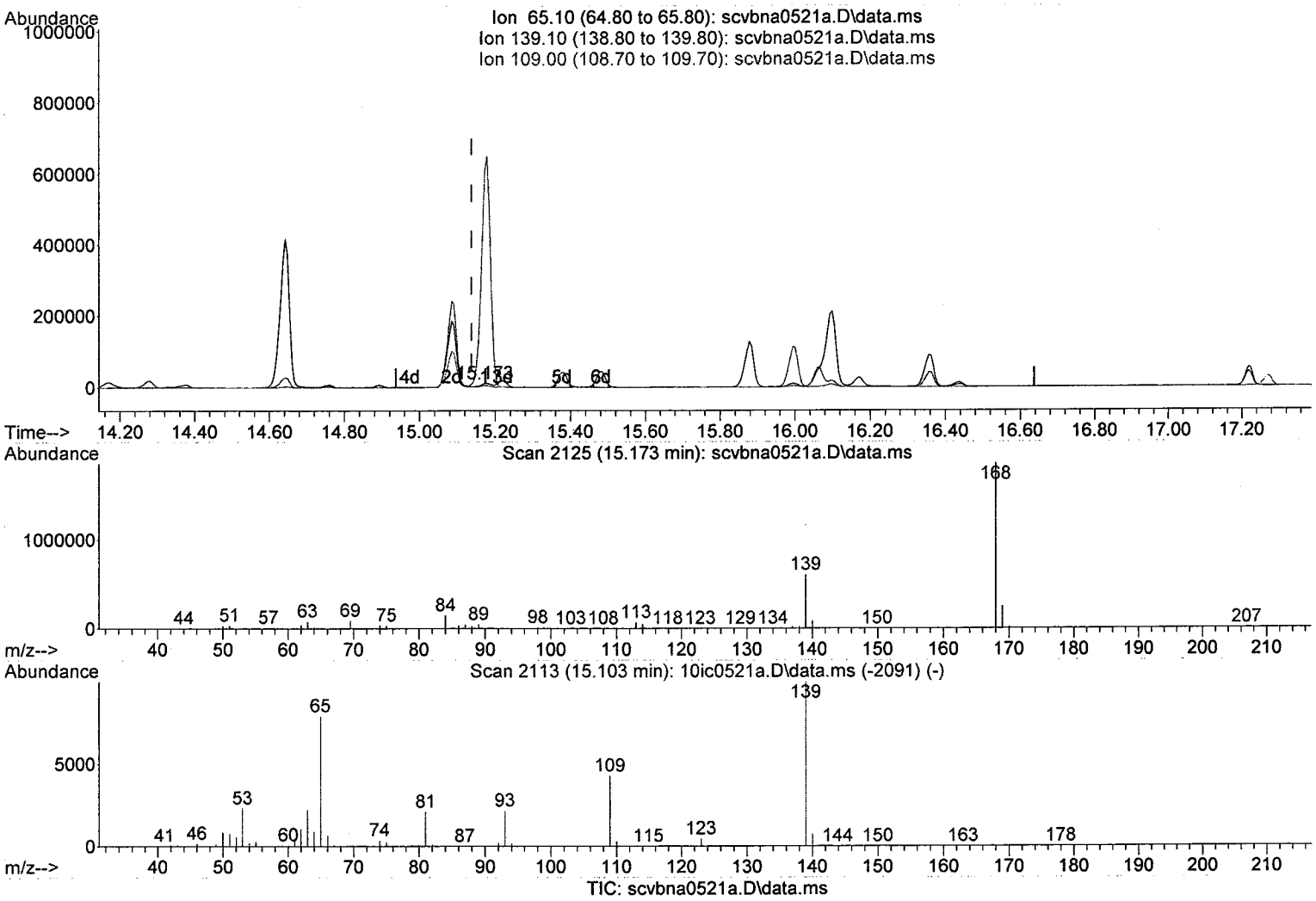
Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: JLB Date: 5/23/12
Reviewed by: [illegible] Date: 5/24/12

00725

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:05 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: scvbna0521a.D\data.ms

(59) 4-Nitrophenol

15.173min (+ 0.035) 0.70 ng/uL

response 21985

Ion	Exp%	Act%
65.10	100.00	100.00
139.10	104.30	4843.61#
109.00	63.30	56.21
0.00	0.00	0.00

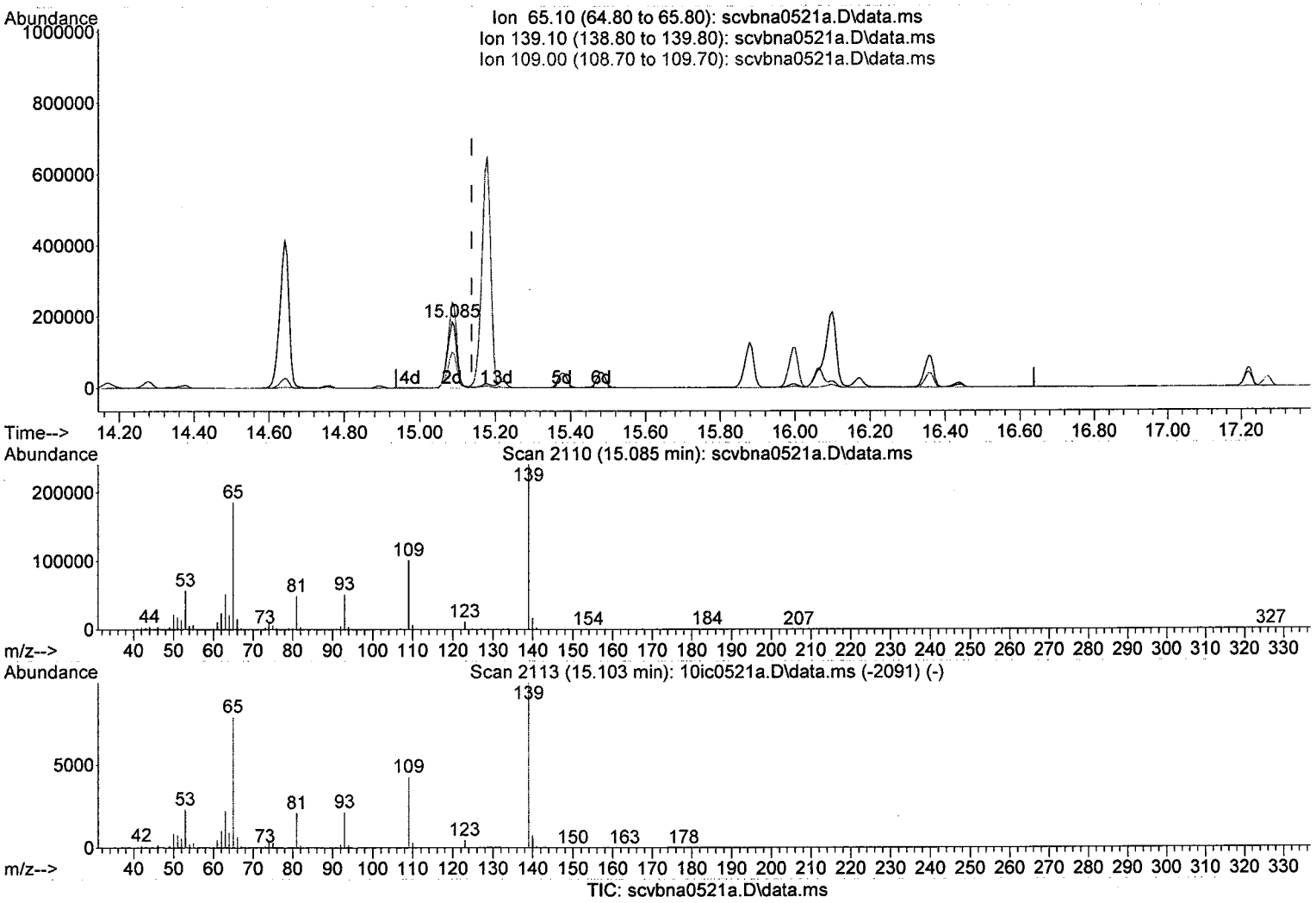
JLB 5/22/12

00726

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : scvbna0521a.D
Acq On : 21 May 2012 20:35
Operator : JLB
Sample : scvbna0521a Inst : 339
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 22 09:41:05 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: scvbna0521a.D\data.ms

(59) 4-Nitrophenol

15.085min (-0.052) 8.95 ng/uL m

response 321665

Ion	Exp%	Act%
65.10	100.00	100.00
139.10	104.30	331.05#
109.00	63.30	3.84#
0.00	0.00	0.00

Manual integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5/23/12

Reviewed by: Date: 5/24

00727

CONTINUING CALIBRATION CHECK

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM050112
Client: TechLaw
Project: KNM
Lab Sample ID: 2E11033-CCV1
Lab File ID: 10bna0509.D
Injection Date: 05/09/12
Injection Time: 09:57
Calibration Date: 05/07/12 10:59
Calibration: 2E11005
Sequence: 2E11033
Instrument ID: 308

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	9.70	1.07136	1.039733		-3.0	20
Acenaphthylene	A	10.0	9.92	1.670327	1.656714		-0.8	25
Anthracene	A	10.0	9.75	0.9363772	0.9133634		-2.5	25
Benzo(a)anthracene	A	10.0	9.78	1.272104	1.2441		-2.2	25
Benzo(a)pyrene	A	10.0	10.2	0.9760561	0.99857		2.3	20
Benzo(b)fluoranthene	A	10.0	9.96	1.108581	1.104465		-0.4	25
Benzo(g,h,i)perylene	A	10.0	12.0	0.6891961	0.8294678		20.4	25
Benzo(k)fluoranthene	A	10.0	9.52	1.153949	1.099089		-4.8	25
Chrysene	A	10.0	9.34	1.226199	1.145376		-6.6	25
Dibenz(a,h)anthracene	A	10.0	11.9	0.6953575	0.8250388		18.6	25
Fluoranthene	A	10.0	9.35	0.8463132	0.7911361		-6.5	20
Fluorene	A	10.0	10.2	1.091129	1.1111		1.8	25
Indeno(1,2,3-cd)pyrene	A	10.0	12.1	0.7160715	0.8878314		24.0	25
2-Methylnaphthalene	A	10.0	10.4	0.6556768	0.6812155		3.9	25
Naphthalene	A	10.0	10.3	1.028186	1.054933		2.6	25
Phenanthrene	A	10.0	9.38	0.9841446	0.9231268		-6.2	25
Pyrene	A	10.0	9.97	1.685594	1.680324		-0.3	25

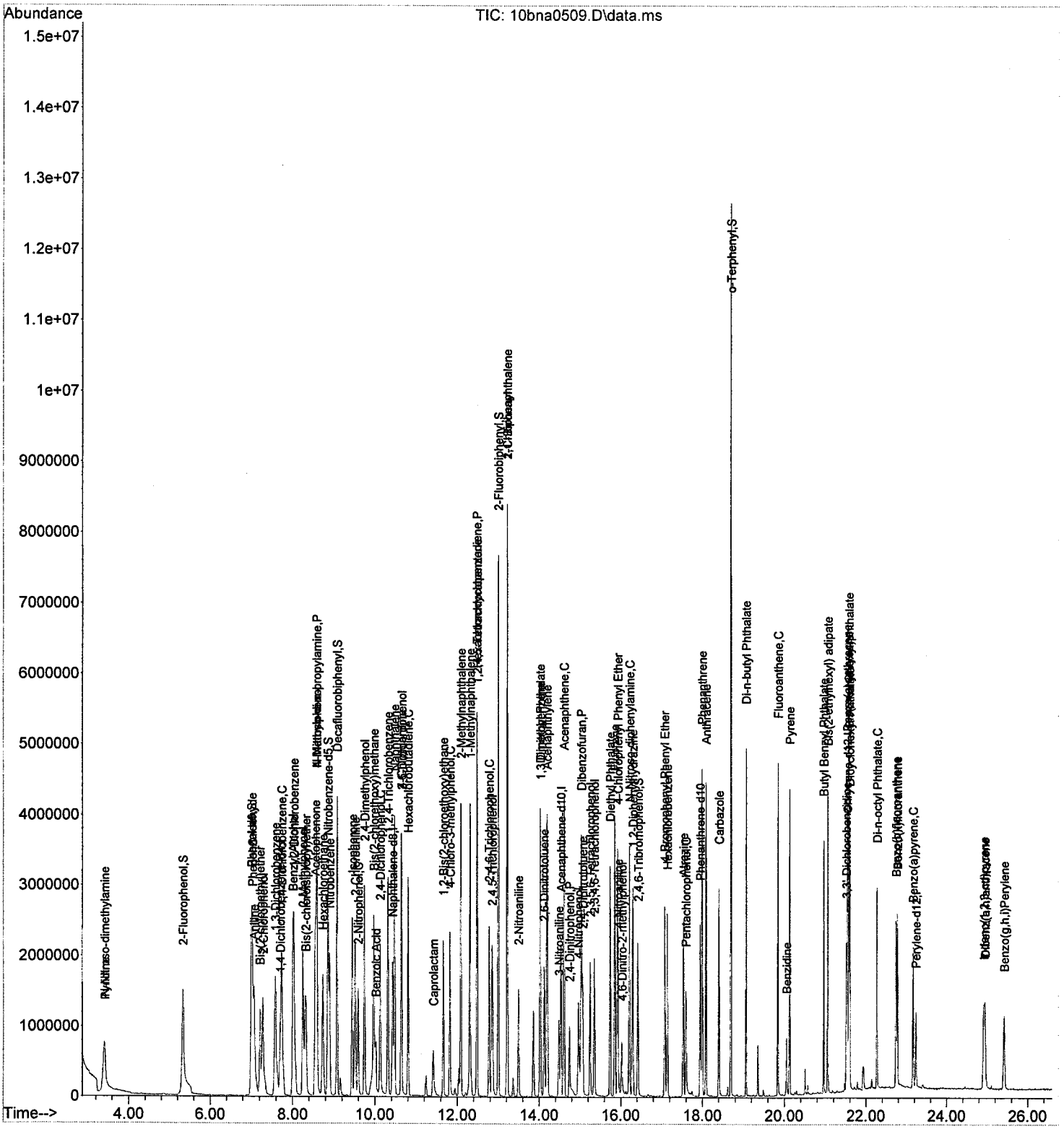
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 10bna0509.D
Acq On : 9 May 2012 9:57
Operator : JLB
Sample : 10bna0509 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:01:09 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



00729

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 10bna0509.D
Acq On : 9 May 2012 9:57
Operator : JLB
Sample : 10bna0509 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:01:09 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.709	152	369544	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.431	136	1525493	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.540	164	892555	5.00	ng/uL	0.00
67) Phenanthrene-d10	17.950	188	1390544	5.00	ng/uL	0.00
82) Chrysene-d12	21.546	240	638494	5.00	ng/uL	# 0.00
93) Perylene-d12	23.242	264	561196	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.331	112	1967410	18.74	ng/uL	0.00
7) Phenol-d6	7.009	99	2251765	19.79	ng/uL	0.00
22) Nitrobenzene-d5	8.863	82	2198454	20.33	ng/uL	0.00
24) Decafluorobiphenyl	9.084	334	1632393	20.18	ng/uL	0.00
48) 2-Fluorobiphenyl	13.007	172	4004045	18.59	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.429	330	346518	19.16	ng/uL	0.00
79) o-Terphenyl	18.702	230	2751261	19.12	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.419	74	742194	10.65	ng/uL	85
3) Pyridine	3.425	79	1165385	9.35	ng/uL	91
5) Aniline	7.074	93	1298314	14.12	ng/uL	97
6) Benzaldehyde	7.021	105	118	~~0.21~~	ng/uL#	56
8) Phenol	7.033	94	1437222	9.79	ng/uL#	69
9) Bis(2-chloroethyl)ether	7.219	93	1029824	9.74	ng/uL	100
10) 2-Chlorophenol	7.289	128	1114581	10.52	ng/uL#	71
11) 1,3-Dichlorobenzene	7.587	146	1279914	10.04	ng/uL	97
12) 1,4-Dichlorobenzene	7.738	146	1309184	9.97	ng/uL	96
13) 1,2-Dichlorobenzene	8.035	146	1216000	10.20	ng/uL	96
14) Bis(2-chloroisipropyl)...	8.321	45	1353252	10.08	ng/uL#	90
15) Benzyl Alcohol	8.012	108	735192	10.81	ng/uL	98
16) 2-Methylphenol	8.251	108	981836	10.50	ng/uL	91
17) Acetophenone	8.560	105	1523156	10.51	ng/uL#	81
18) Hexachloroethane	8.741	119	502775	10.71	ng/uL	97
19) 4-Methylphenol	8.589	107	1083001	10.48	ng/uL#	41
20) N-Nitroso-di-n-propyla...	8.589	70	797577	10.55	ng/uL#	79
23) Nitrobenzene	8.904	77	1270756	10.43	ng/uL#	2
25) Isophorone	9.452	82	2061859	10.79	ng/uL	99
26) 2-Chloroaniline	9.522	127	1354713	10.99	ng/uL	98
27) 2-Nitrophenol	9.597	139	573132	10.56	ng/uL#	89
28) 2,4-Dimethylphenol	9.749	107	1117028	10.65	ng/uL	92
29) Bis(2-chlorethoxy)methane	9.976	93	1146029	10.38	ng/uL	98
30) 2,4-Dichlorophenol	10.134	162	813362	11.08	ng/uL	100
31) Benzoic Acid	10.029	105	1227871	19.57	ng/uL	95
32) 1,2,4-Trichlorobenzene	10.320	180	1064659	10.36	ng/uL	98
33) Naphthalene	10.477	128	3218586	10.26	ng/uL	97
34) 4-Chloroaniline	10.641	127	949473	14.25	ng/uL#	68
35) 2,6-Dichlorophenol	10.647	162	807801	10.94	ng/uL	92
36) Hexachlorobutadiene	10.804	225	614870	10.44	ng/uL	96
37) Caprolactam	11.422	55	267529	10.01	ng/uL	90
38) 1,2-Bis(2-chloroethoxy...	11.667	63	929016	10.75	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.824	107	821776	11.39	ng/uL	96
40) 2-Methylnaphthalene	12.092	142	2078379	10.39	ng/uL	97
41) 1-Methylnaphthalene	12.314	142	1940709	10.43	ng/uL	97

5-11-12

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 10bna0509.D
Acq On : 9 May 2012 9:57
Operator : JLB
Sample : 10bna0509 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:01:09 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.033	168	307983	10.60 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.488	216	961765	9.62 ng/uL	99
45) Hexachlorocyclopentadiene	12.483	237	610050	10.21 ng/uL	99
46) 2,4,6-Trichlorophenol	12.780	196	551584	10.45 ng/uL	98
47) 2,4,5-Trichlorophenol	12.850	196	518104	10.28 ng/uL	98
49) 2-Chloronaphthalene	13.223	162	1892850	9.46 ng/uL	95
50) 1,1'-Biphenyl	13.223	154	2360037	9.58 ng/uL	98
51) 2-Nitroaniline	13.503	138	520104	10.42 ng/uL	99
52) Acenaphthylene	14.196	152	2957417	9.92 ng/uL#	82
53) 2,6-Dinitrotoluene	14.126	165	433158	10.41 ng/uL	91
54) Dimethyl Phthalate	14.027	163	1864929	9.96 ng/uL	94
55) 3-Nitroaniline	14.488	138	332438	11.79 ng/uL#	1
56) Acenaphthene	14.616	153	1856037	9.70 ng/uL	99
57) 2,4-Dinitrophenol	14.750	184	302929	14.91 ng/uL#	87
58) Dibenzofuran	15.036	168	2424147	9.77 ng/uL	94
59) 4-Nitrophenol	14.966	65	556044	19.07 ng/uL#	80
60) 2,4-Dinitrotoluene	15.070	165	534900	10.36 ng/uL#	81
61) 2,3,5,6-Tetrachlorophenol	15.251	232	405078	9.91 ng/uL	96
62) 2,3,4,6-Tetrachlorophenol	15.350	232	403074	10.15 ng/uL	93
63) Fluorene	15.852	166	1983435	10.18 ng/uL	98
64) Diethyl Phthalate	15.741	149	2036326	10.59 ng/uL	95
65) 4-Chlorophenyl Phenyl ...	15.927	204	920428	9.70 ng/uL#	87
66) 4-Nitroaniline	15.939	138	255617	8.76 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.032	198	206506	7.54 ng/uL#	87
69) N-Nitroso-diphenylamine	16.219	169	1531146	9.49 ng/uL	98
70) 1,2-Diphenylhydrazine	16.300	182	504193	9.35 ng/uL	95
72) 4-Bromophenyl Phenyl E...	17.081	248	502897	9.66 ng/uL	97
73) Hexachlorobenzene	17.145	284	540801	9.18 ng/uL#	93
74) Atrazine	17.542	200	448244	10.01 ng/uL	98
75) Pentachlorophenol	17.600	266	280539	9.47 ng/uL	96
76) Phenanthrene	17.996	178	2567297	9.38 ng/uL	98
77) Anthracene	18.096	178	2540144	9.75 ng/uL	97
78) Carbazole	18.410	167	1690976	8.58 ng/uL	100
80) Di-n-butyl Phthalate	19.075	149	2930103	10.38 ng/uL	100
81) Fluoroanthene	19.850	202	2200219	9.35 ng/uL#	86
83) Benzidine	20.060	184	419775	23.98 ng/uL#	90
84) Pyrene	20.136	202	2145754	9.97 ng/uL#	91
85) Butyl Benzyl Phthalate	20.963	149	895714	10.94 ng/uL	86
86) Bis(2-ethylhexyl) adipate	21.062	129	728873	11.48 ng/uL#	100
87) Benzo(a)anthracene	21.540	228	1588701	9.78 ng/uL	97
88) 3,3'-Dichlorobenzidine	21.517	252	436827	13.41 ng/uL	97
89) Chrysene	21.575	228	1462632	9.34 ng/uL	99
90) Bis(2-ethylhexyl)phtha...	21.587	149	1096257	11.17 ng/uL	97
91) Dicyclohexyl Phthalate	21.604	149	1269218	10.20 ng/uL#	100
92) Di-n-octyl Phthalate	22.275	149	1630425	11.89 ng/uL	99
94) Benzo(b)fluoroanthene	22.747	252	1239643	9.96 ng/uL	96
95) Benzo(k)fluoranthene	22.782	252	1233609	9.52 ng/uL#	90
96) Benzo(a)pyrene	23.172	252	1120787	10.23 ng/uL#	89
97) Indeno(1,2,3-cd)pyrene	24.927	276	1133750	12.12 ng/uL	94
98) Dibenz(a,h)anthracene	24.956	278	926017	11.86 ng/uL	97
99) Benzo(g,h,i)Perylene	25.428	276	930988	12.04 ng/uL	93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 10bna0509.D
Acq On : 9 May 2012 9:57
Operator : JLB
Sample : 10bna0509 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:01:09 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

CONTINUING CALIBRATION CHECK

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Lab Sample ID: 2E22051-CCV1
Injection Date: 05/22/12
Calibration Date: 05/21/12 11:33
Sequence: 2E22051

SDG: KNM050112
Project: KNM
Lab File ID: 10bna0522.D
Injection Time: 02:35
Calibration: 2E22022
Instrument ID: 339

Analyte	Type	CONC. (ug/mL)		Response Factor			% Diff. / Drift	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	10.0	10.2	0.8719438	0.8923414		2.3	20
Acenaphthylene	A	10.0	10.5	1.414236	1.482782		4.8	25
Anthracene	A	10.0	10.8	0.7960707	0.8597901		8.0	25
Benzo(a)anthracene	A	10.0	10.4	1.072483	1.113198		3.8	25
Benzo(a)pyrene	L	10.0	9.85	0.8452889	0.9193347		-1.5	20
Benzo(b)fluoranthene	L	10.0	9.62	0.9298547	0.9815701		-3.8	25
Benzo(g,h,i)perylene	A	10.0	11.0	0.5880373	0.6453162		9.7	25
Benzo(k)fluoranthene	A	10.0	10.6	0.9298546	0.9887343		6.3	25
Chrysene	A	10.0	10.4	1.043904	1.081343		3.6	25
Dibenz(a,h)anthracene	A	10.0	11.5	0.5994002	0.6891228		15.0	25
Fluoranthene	A	10.0	10.5	0.6992909	0.7353665		5.2	20
Fluorene	A	10.0	10.4	0.9325131	0.9695864		4.0	25
Indeno(1,2,3-cd)pyrene	A	10.0	11.3	0.7178127	0.8087242		12.7	25
2-Methylnaphthalene	A	10.0	10.5	0.5455133	0.5721065		4.9	25
Naphthalene	A	10.0	10.3	0.8455836	0.872779		3.2	25
Phenanthrene	A	10.0	10.2	0.8161062	0.8366276		2.5	25
Pyrene	A	10.0	10.6	1.461951	1.554695		6.3	25

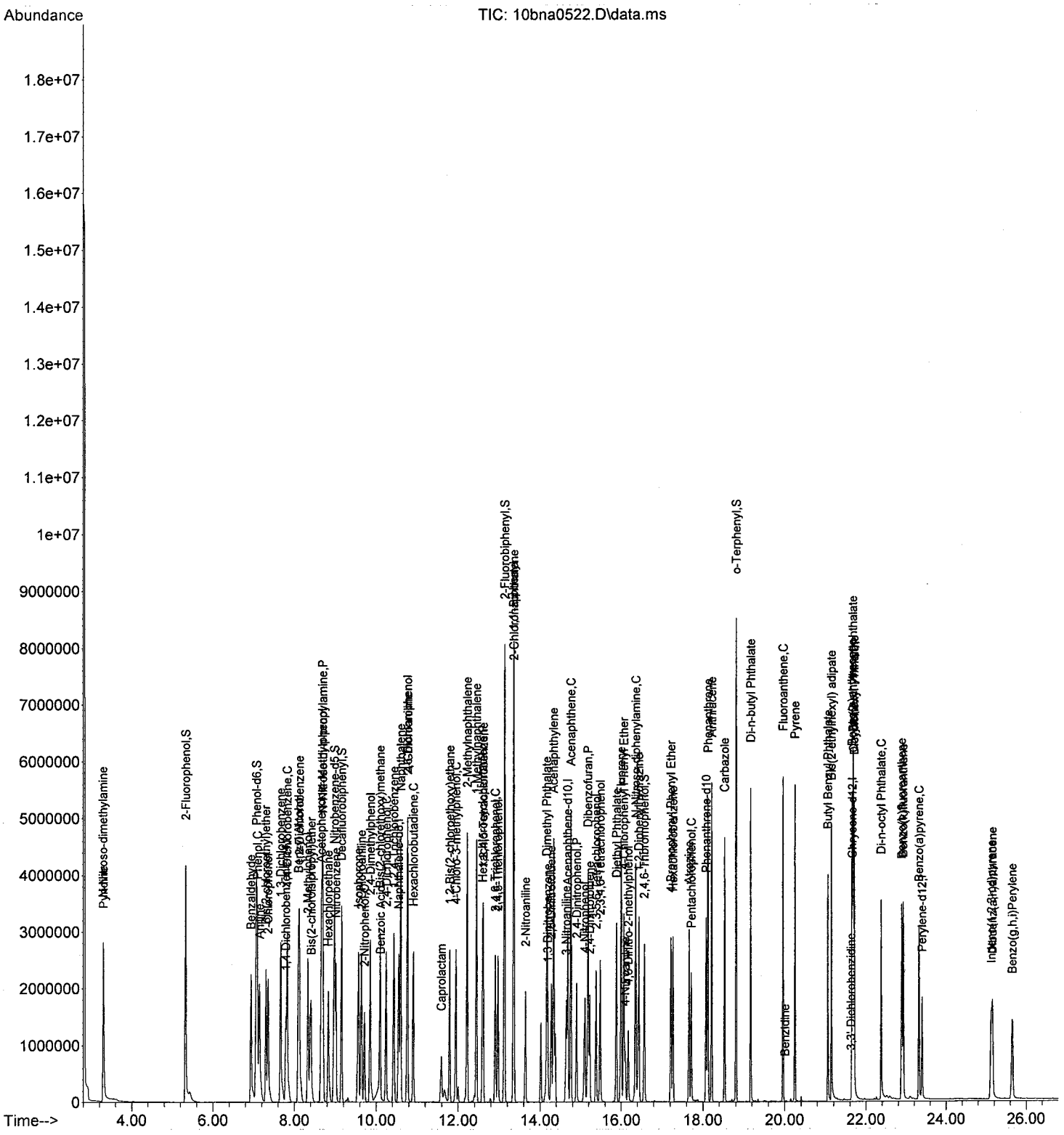
Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:19:19 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



00734

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:19:19 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	539002	5.00	ng/uL	#-0.01
21) Naphthalene-d8	10.545	136	2361335	5.00	ng/uL	#-0.01
43) Acenaphthene-d10	14.677	164	1338908	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.075	188	1941283	5.00	ng/uL	0.00
82) Chrysene-d12	21.660	240	929998	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	931503	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.334	112	2858929	21.07	ng/uL	-0.06
7) Phenol-d6	7.071	99	3441281	21.01	ng/uL	-0.03
22) Nitrobenzene-d5	8.977	82	2589693	21.42	ng/uL	-0.02
24) Decafluorobiphenyl	9.152	334	1871954	21.60	ng/uL	-0.01
48) 2-Fluorobiphenyl	13.133	172	5118242	20.26	ng/uL	-0.02
71) 2,4,6-Tribromophenol	16.572	330	582320	21.51	ng/uL	-0.02
79) o-Terphenyl	18.810	230	2540752	20.13	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.294	74	850109	10.84	ng/uL#	79
3) Pyridine	3.300	79	1570288	10.74	ng/uL	94
5) Aniline	7.147	93	2114875	10.32	ng/uL	89
6) Benzaldehyde	6.937	105	1058017	10.47	ng/uL#	1
8) Phenol	7.094	94	1901778	10.47	ng/uL	93
9) Bis(2-chloroethyl)ether	7.298	93	1575096	10.19	ng/uL	100
10) 2-Chlorophenol	7.351	128	1425005	10.57	ng/uL#	29
11) 1,3-Dichlorobenzene	7.660	146	1661530	10.38	ng/uL	93
12) 1,4-Dichlorobenzene	7.823	146	1593900	10.30	ng/uL	94
13) 1,2-Dichlorobenzene	8.120	146	1584959	10.51	ng/uL	95
14) Bis(2-chloroisipropyl)...	8.412	45	2345903	10.00	ng/uL	96
15) Benzyl Alcohol	8.103	108	947176m	10.17	ng/uL	
16) 2-Methylphenol	8.330	108	1275181	10.53	ng/uL	92
17) Acetophenone	8.656	105	1832873	10.54	ng/uL#	93
18) Hexachloroethane	8.825	119	547142	10.39	ng/uL	97
19) 4-Methylphenol	8.686	107	1464055	10.67	ng/uL#	62
20) N-Nitroso-di-n-propyla...	8.691	70	935607	10.68	ng/uL#	65
23) Nitrobenzene	9.012	77	1361209	10.47	ng/uL#	1
25) Isophorone	9.560	82	2368874	10.69	ng/uL	95
26) 2-Chloroaniline	9.636	127	1777367	10.62	ng/uL	92
27) 2-Nitrophenol	9.711	139	751043	10.13	ng/uL#	72
28) 2,4-Dimethylphenol	9.851	107	1168647	10.85	ng/uL#	51
29) Bis(2-chlorethoxy)methane	10.090	93	1500029	10.44	ng/uL	100
30) 2,4-Dichlorophenol	10.242	162	1114342	11.09	ng/uL	97
31) Benzoic Acid	10.102	105	684509	9.29	ng/uL	94
32) 1,2,4-Trichlorobenzene	10.428	180	1158618	10.50	ng/uL	99
33) Naphthalene	10.597	128	4121847	10.32	ng/uL#	94
34) 4-Chloroaniline	10.766	127	1641221	11.35	ng/uL	90
35) 2,6-Dichlorophenol	10.761	162	1083442	10.90	ng/uL	90
36) Hexachlorobutadiene	10.906	225	563228	10.71	ng/uL	98
37) Caprolactam	11.588	55	533554m	10.17	ng/uL	
38) 1,2-Bis(2-chloroethoxy...	11.792	63	1196435	10.16	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.944	107	1081236	10.18	ng/uL	89
40) 2-Methylnaphthalene	12.218	142	2701870	10.49	ng/uL	96
41) 1-Methylnaphthalene	12.445	142	2651613	10.46	ng/uL	95

pnas phthalates

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00735

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:19:19 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.188	168	443389	10.48	ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.608	216	996814	10.35	ng/uL	99
45) Hexachlorocyclopentadiene	12.591	237	533655	10.26	ng/uL	98
46) 2,4,6-Trichlorophenol	12.905	196	720051	10.01	ng/uL	97
47) 2,4,5-Trichlorophenol	12.970	196	755516	10.43	ng/uL	99
49) 2-Chloronaphthalene	13.360	162	2344638	10.18	ng/uL	98
50) 1,1'-Biphenyl	13.348	154	2922404	10.17	ng/uL	97
51) 2-Nitroaniline	13.646	138	800751	9.85	ng/uL	88
52) Acenaphthylene	14.334	152	3970618	10.48	ng/uL#	80
53) 2,6-Dinitrotoluene	14.275	165	608600	10.15	ng/uL#	88
54) Dimethyl Phthalate	14.164	163	2528237	10.90	ng/uL	94
55) 3-Nitroaniline	14.642	138	600406	10.66	ng/uL#	1
56) Acenaphthene	14.759	153	2389526	10.23	ng/uL	97
57) 2,4-Dinitrophenol	14.899	184	602505	18.77	ng/uL#	79
58) Dibenzofuran	15.179	168	3234612	10.25	ng/uL	91
59) 4-Nitrophenol	15.097	65	689462m	19.50	ng/uL	
60) 2,4-Dinitrotoluene	15.225	165	763640	10.03	ng/uL#	79
61) 2,3,5,6-Tetrachlorophenol	15.383	232	544664	10.09	ng/uL	99
62) 2,3,4,6-Tetrachlorophenol	15.482	232	527471	10.24	ng/uL	95
63) Fluorene	15.995	166	2596374	10.40	ng/uL	96
64) Diethyl Phthalate	15.884	149	2375569	10.87	ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.065	204	1127852	10.52	ng/uL	95
66) 4-Nitroaniline	16.100	138	419726	9.85	ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.175	198	371225	9.86	ng/uL	96
69) N-Nitroso-diphenylamine	16.362	169	2072694	10.70	ng/uL	99
70) 1,2-Diphenylhydrazine	16.438	182	714747	10.96	ng/uL#	76
72) 4-Bromophenyl Phenyl E...	17.219	248	571728	10.68	ng/uL	97
73) Hexachlorobenzene	17.271	284	663212	10.41	ng/uL	97
74) Atrazine	17.662	200	495301	10.71	ng/uL	94
75) Pentachlorophenol	17.714	266	393947	10.99	ng/uL	97
76) Phenanthrene	18.122	178	3248262	10.25	ng/uL	98
77) Anthracene	18.215	178	3338192	10.80	ng/uL	99
78) Carbazole	18.530	167	2782180	10.82	ng/uL	97
80) Di-n-butyl Phthalate	19.171	149	3541845	10.36	ng/uL	99
81) Fluoroanthene	19.958	202	2855109	10.52	ng/uL	100
83) Benzidine	20.005	184	3600	0.40	ng/uL	98
84) Pyrene	20.250	202	2891726	10.63	ng/uL	93
85) Butyl Benzyl Phthalate	21.060	149	1107297	9.94	ng/uL#	80
86) Bis(2-ethylhexyl) adipate	21.147	129	1071835	10.10	ng/uL#	100
87) Benzo(a)anthracene	21.648	228	2070543	10.38	ng/uL#	96
88) 3,3'-Dichlorobenzidine	21.625	252	1000	3.32	ng/uL#	81
89) Chrysene	21.689	228	2011294	10.36	ng/uL#	84
90) Bis(2-ethylhexyl)phtha...	21.672	149	1334234	10.21	ng/uL	92
91) Dicyclohexyl Phthalate	21.707	149	2121486	10.38	ng/uL#	100
92) Di-n-octyl Phthalate	22.377	149	2100164	9.85	ng/uL	99
94) Benzo(b)fluoroanthene	22.884	252	1828671	9.62	ng/uL#	94
95) Benzo(k)fluoranthene	22.925	252	1842018	10.63	ng/uL#	90
96) Benzo(a)pyrene	23.321	252	1712726	9.85	ng/uL#	91
97) Indeno(1,2,3-cd)pyrene	25.128	276	1506658	11.27	ng/uL#	76
98) Dibdenz(a,h)anthracene	25.157	278	1283840	11.50	ng/uL#	82
99) Benzo(g,h,i)Perylene	25.647	276	1202228	10.97	ng/uL#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:19:19 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

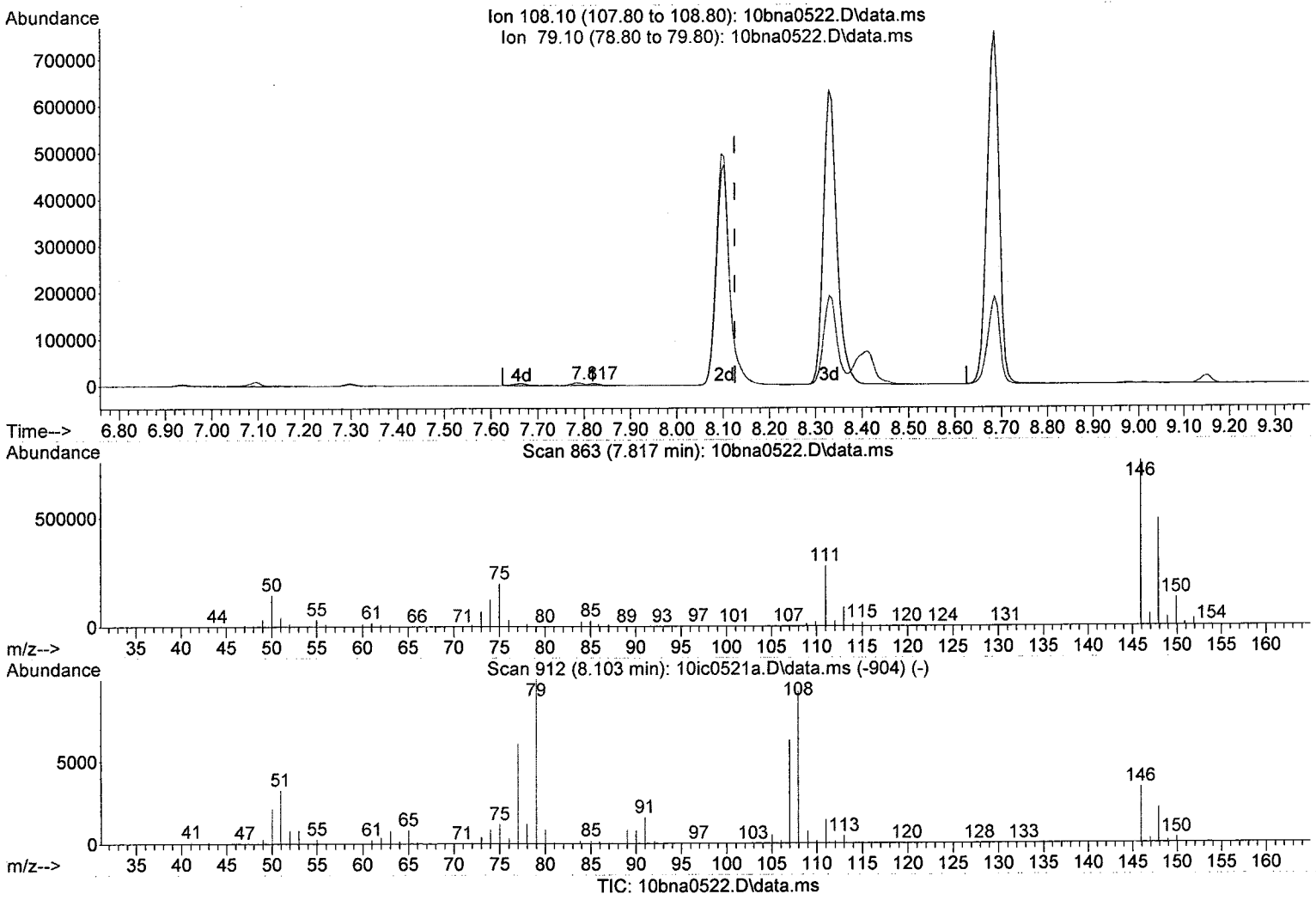
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00737

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:18:23 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: 10bna0522.D\data.ms

(15) Benzyl Alcohol

7.817min (-0.308) 0.20 ng/uL

response 9721

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	136.75
0.00	0.00	0.00
0.00	0.00	0.00

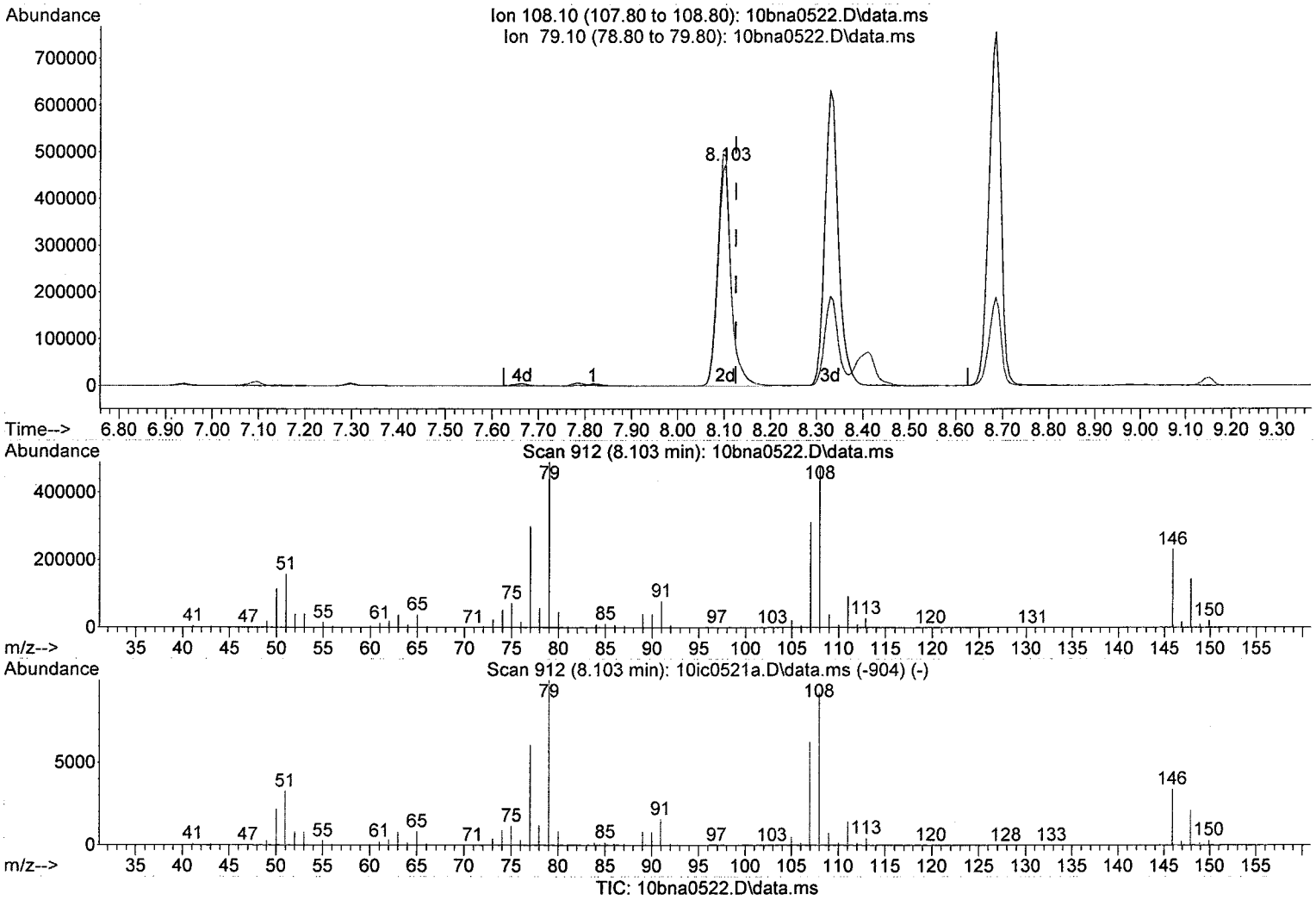
JW 5-23-12

00738

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:18:23 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: 10bna0522.D\data.ms

(15) Benzyl Alcohol

8.103min (-0.022) 10.17 ng/uL m

response 947176

Ion	Exp%	Act%
108.10	100.00	100.00
79.10	138.40	1.40#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5-23-12

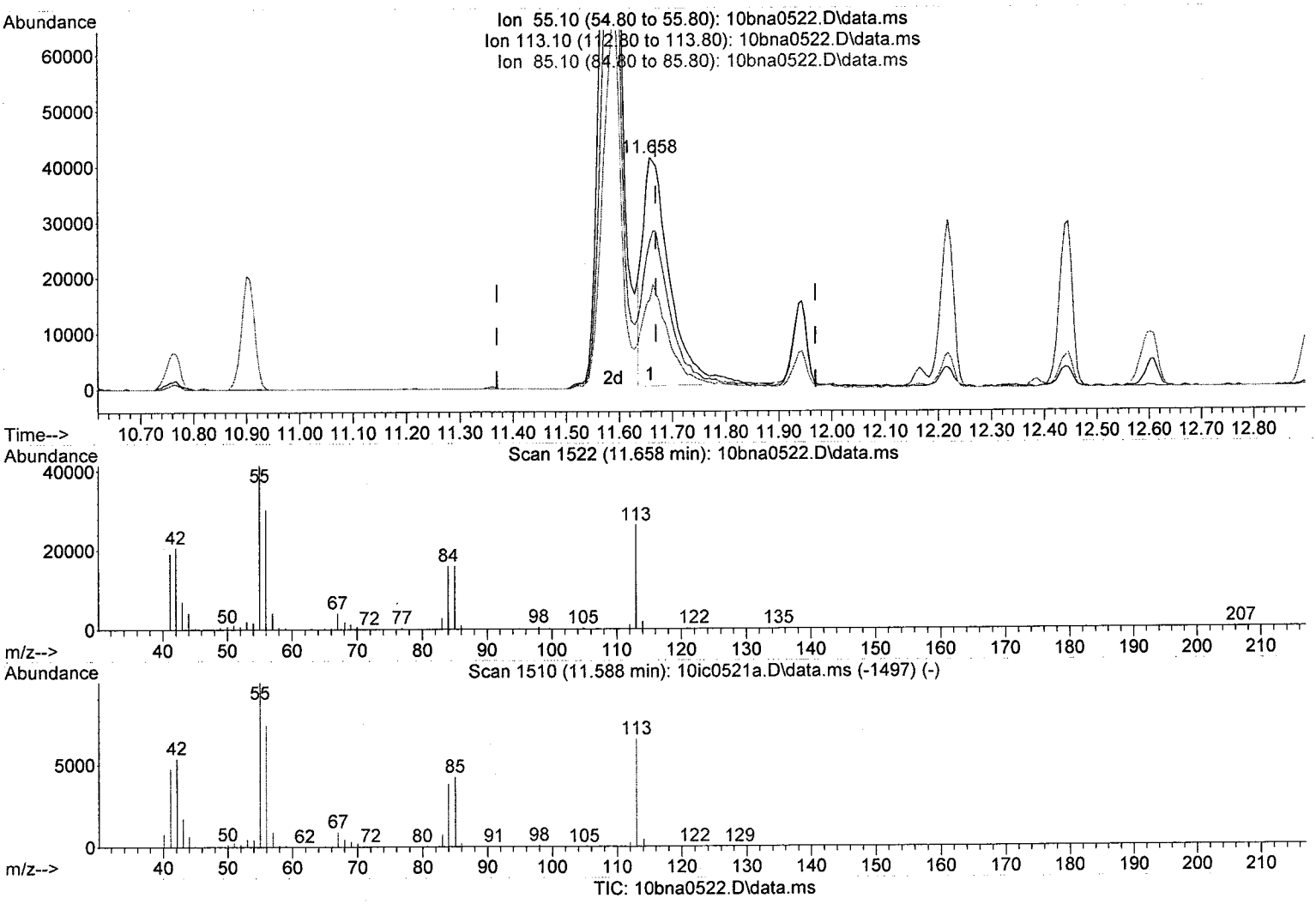
Reviewed By: [illegible] Date: 5/31

00739

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:18:23 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: 10bna0522.D\data.ms

(37) Caprolactam

11.658min (-0.012) 3.12 ng/uL

response 144205

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	70.13
85.10	46.10	45.99
0.00	0.00	0.00

JW5-23-12

00740

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
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Acq On : 22 May 2012 2:35
Operator : JLB
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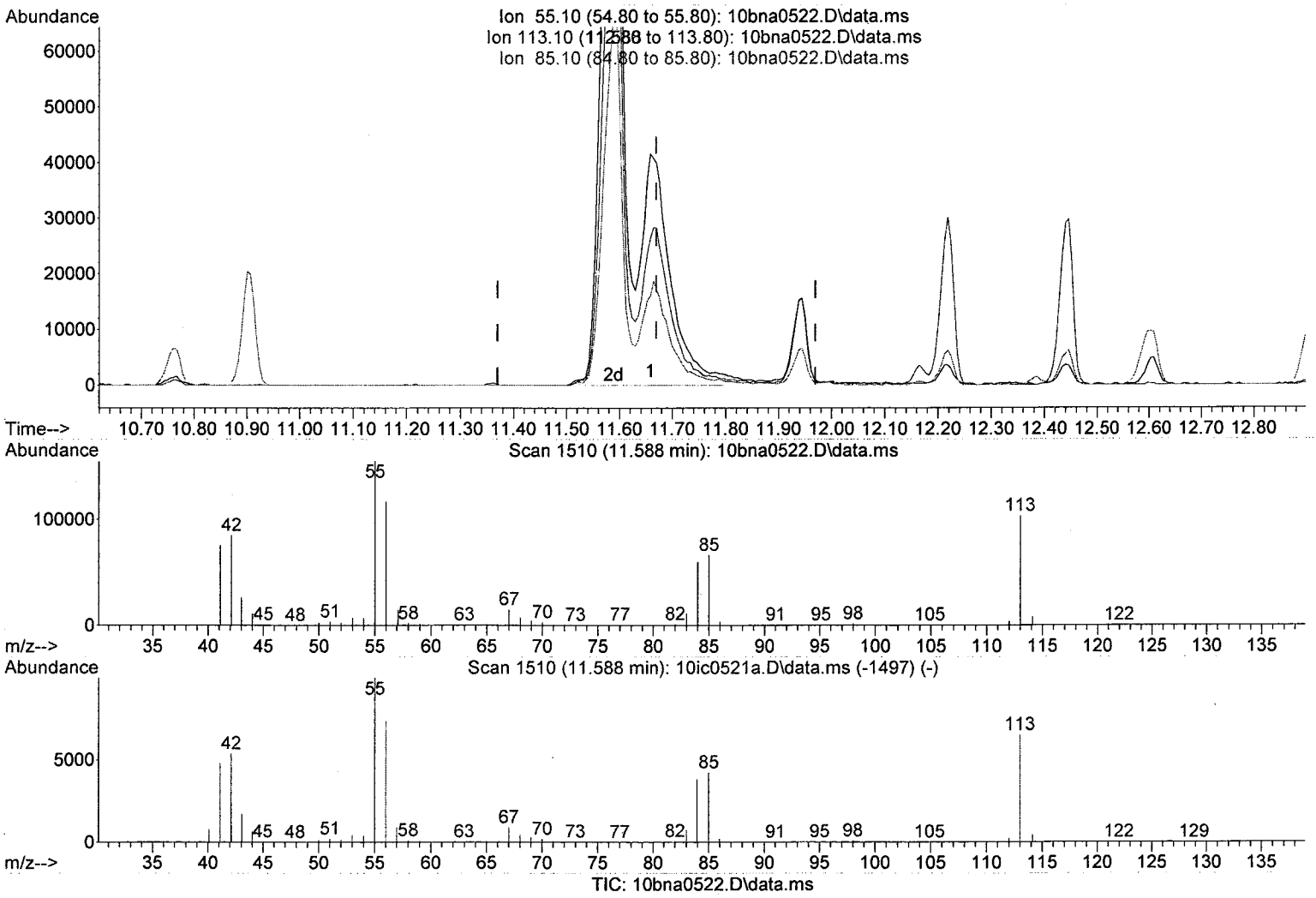
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:18:23 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: 10bna0522.D\data.ms

(37) Caprolactam

11.588min (-0.081) 10.17 ng/uL m

response 533554

Ion	Exp%	Act%
55.10	100.00	100.00
113.10	68.80	18.96#
85.10	46.10	12.43#
0.00	0.00	0.00

Manual Integration Explanation

Reason 1: Incorrect peak integrated by the software.

Flagged on Quantitation Report: Yes / No

Analyst: JLB Date: 5-23-12

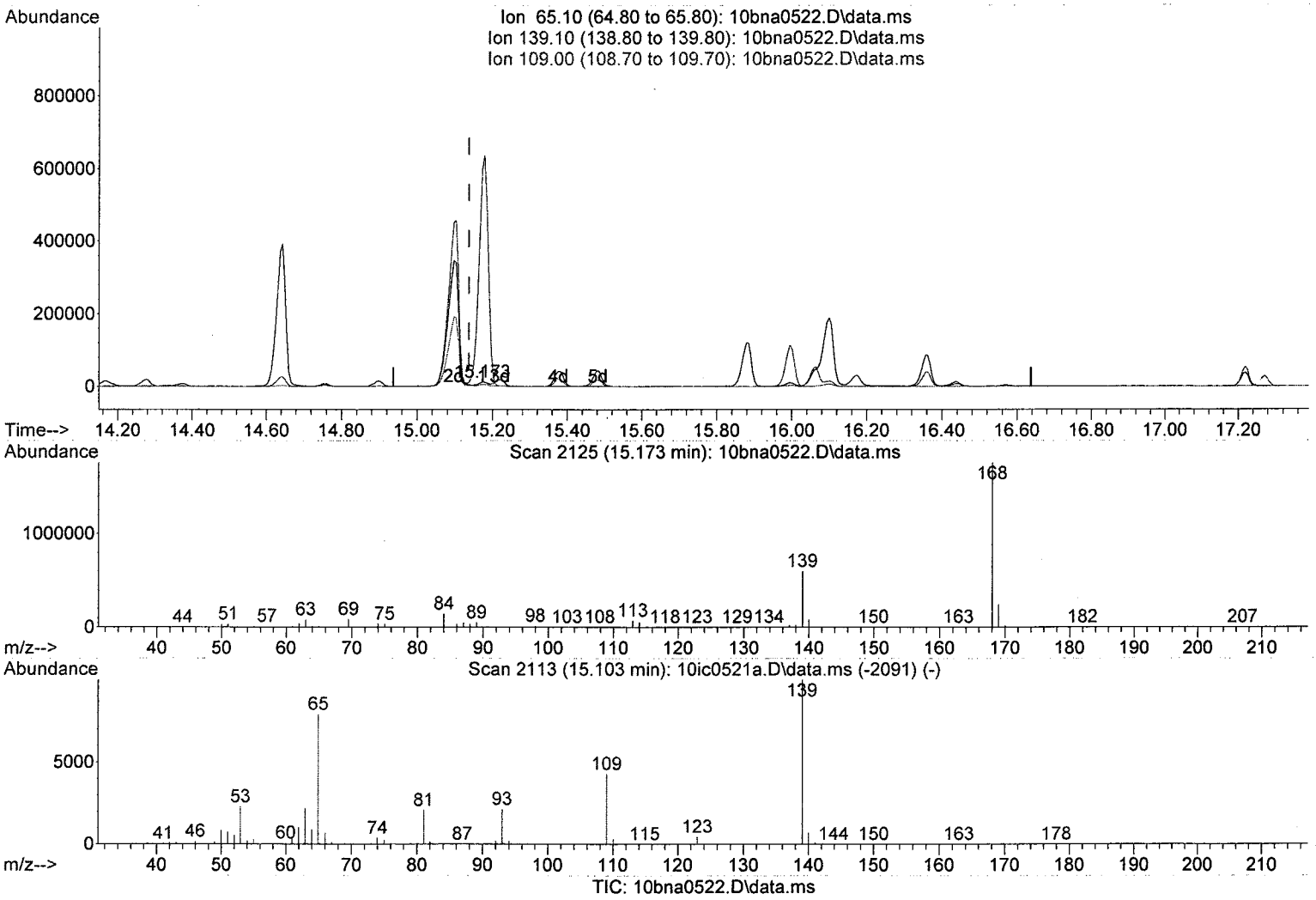
Reviewed By: [illegible] Date: 5-24-12

00741

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:18:23 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



(59) 4-Nitrophenol

15.173min (+ 0.035) 0.72 ng/uL

response 22053

Ion	Exp%	Act%
65.10	100.00	100.00
139.10	104.30	4871.98#
109.00	63.30	61.98
0.00	0.00	0.00

JWS 5-23-12

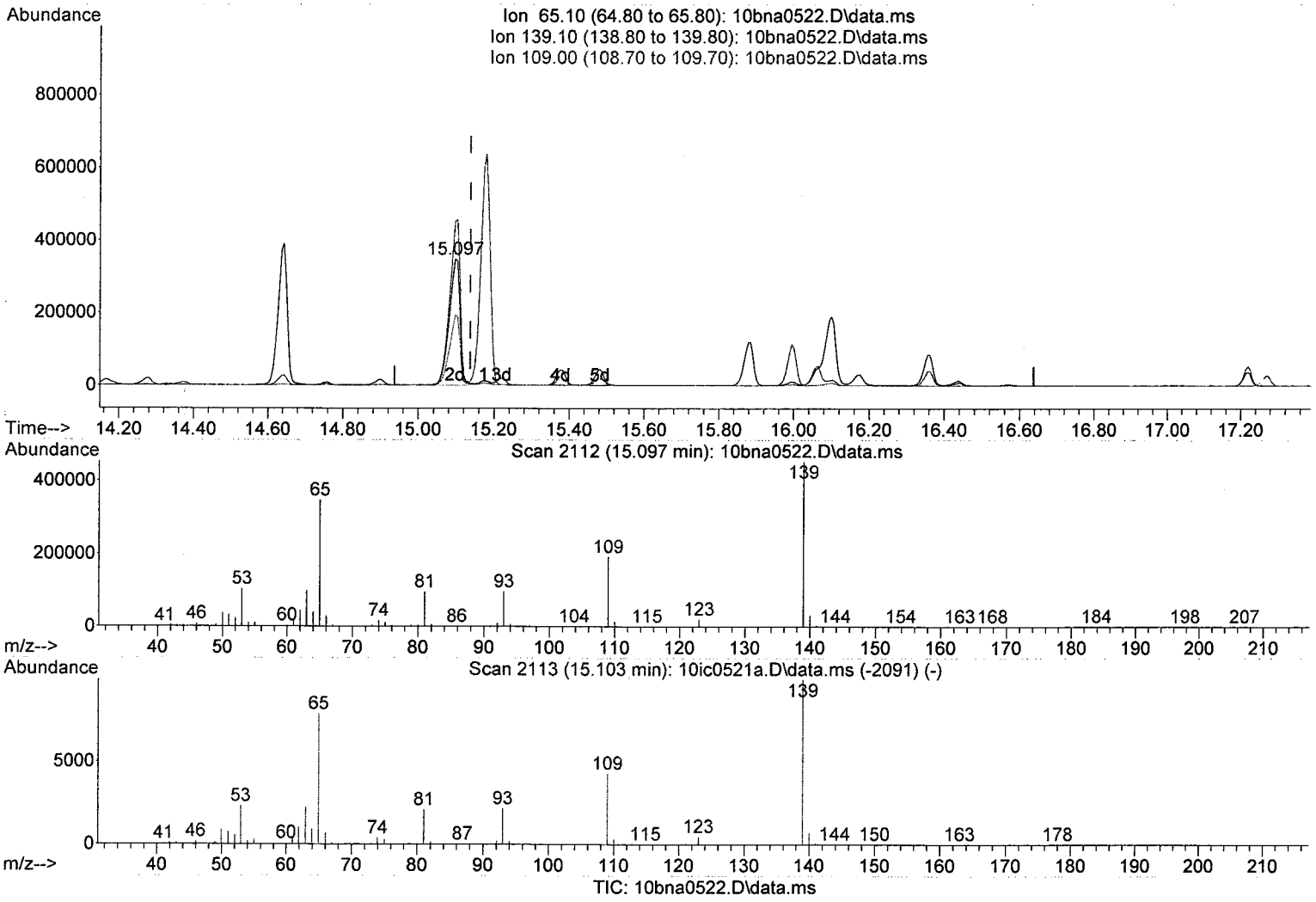
JCS C

00742

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 10bna0522.D
Acq On : 22 May 2012 2:35
Operator : JLB
Sample : 10bna0522 Inst : 339
ALS Vial : 6 Sample Multiplier: 1

Quant Time: May 22 11:18:23 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 09:36:52 2012
Response via : Initial Calibration



TIC: 10bna0522.D\data.ms

(59) 4-Nitrophenol

15.097min (-0.041) 19.50 ng/uL m

response 689462

Ion	Exp%	Act%
65.10	100.00	100.00
139.10	104.30	155.83#
109.00	63.30	1.98#
0.00	0.00	0.00

Manual Integration Explanation
Reason 1: Incorrect peak integrated by the software.
Flagged on Quantitation Report: Yes / No
Analyst: [signature] Date: 5-23-12
Reviewed By: [signature] Date: 5/24

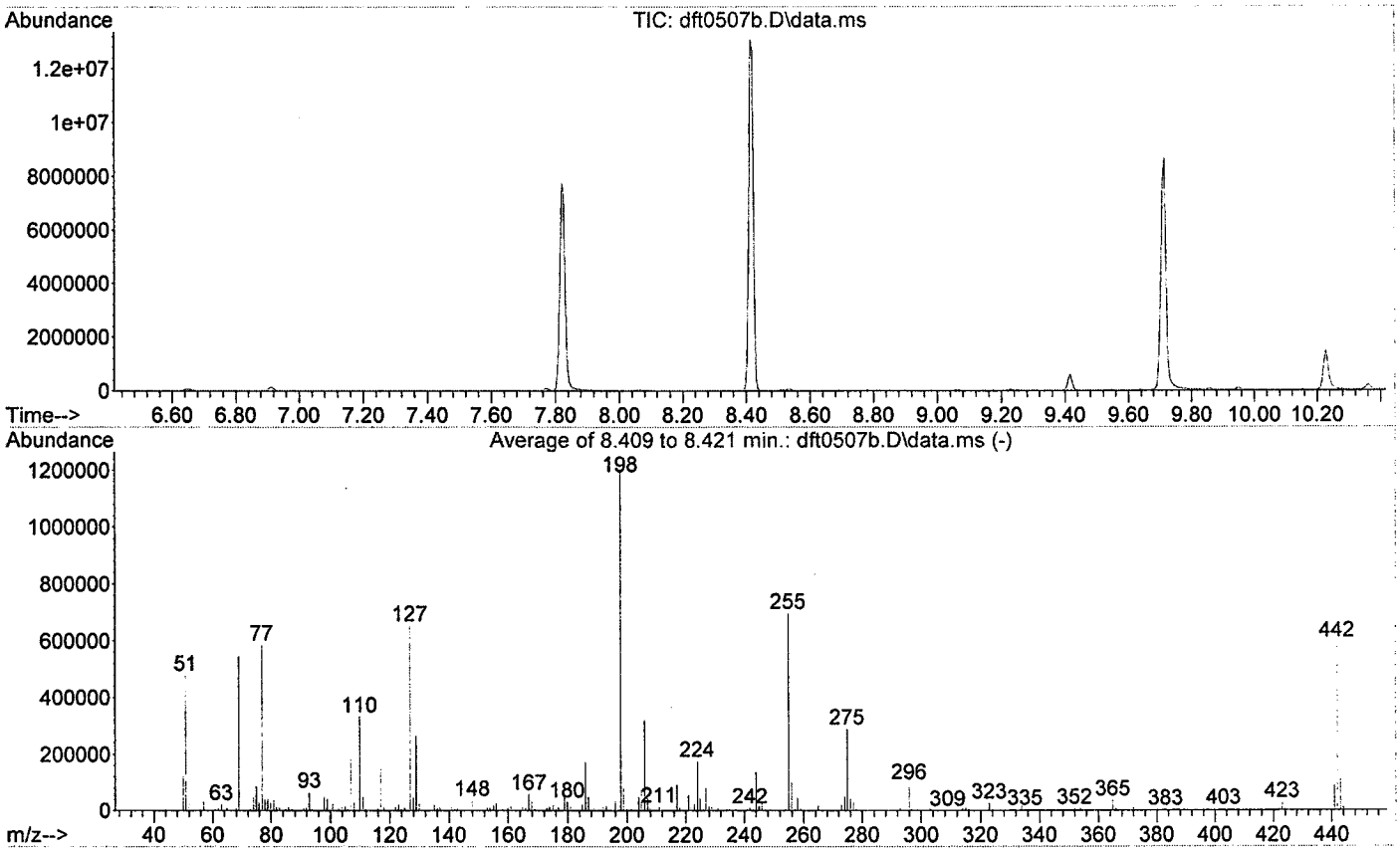
00743

DFTPP

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : dft0507b.D
Acq On : 7 May 2012 8:51
Operator : JLB
Sample : dft0507b
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\METHODS\050712bna.M
Title : 8270/625 BNA
Last Update : Mon May 07 13:38:03 2012
Sample : dft0507b Inst : 308



AutoFind: Scans 896, 897, 898; Background Corrected with Scan 888

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	39.7	478708	PASS
68	69	0.00	2	1.6	8624	PASS
69	198	0.00	100	45.5	548011	PASS
70	69	0.00	2	0.4	2445	PASS
127	198	40	60	54.2	652928	PASS
197	198	0.00	1	0.4	4558	PASS
198	198	100	100	100.0	1204309	PASS
199	198	5	9	6.7	80965	PASS
275	198	10	30	23.9	288405	PASS
365	198	1	100	3.1	36934	PASS
441	443	0.01	100	72.1	87992	PASS
442	198	40	100	49.3	594325	PASS
443	442	17	23	20.5	121965	PASS

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.10	533	50.95	478708	64.00	3109	72.95	4338
41.10	580	52.05	23213	65.00	9648	74.00	54112
41.80	193	53.05	737	65.95	712	75.00	88493
42.80	244	54.95	3305	66.85	715	76.00	27989
43.30	65	56.05	14020	68.00	8624	77.00	586197
43.95	224	57.00	31461	69.00	548011	78.05	39464
45.10	949	57.95	1506	69.95	2445	79.00	40221
47.65	249	58.95	864	70.70	65	79.95	30485
48.10	239	60.95	5121	71.20	215	81.00	41571
49.05	3111	62.05	6868	71.95	143	81.95	10849
50.00	121208	63.05	22276	72.20	191	82.95	9860

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.70	215	93.95	5488	102.95	7242	114.00	493
84.30	372	94.80	314	104.00	15301	115.05	360
85.05	6670	95.15	1377	105.00	14081	115.90	2111
86.00	11739	96.05	3340	106.00	4826	116.05	7537
87.05	5653	97.00	324	107.00	187940	117.00	146387
87.95	2201	98.00	51560	108.00	29411	118.00	11615
88.95	840	99.00	42936	109.00	2995	118.80	279
90.10	65	100.05	4346	110.00	332011	119.00	1168
91.00	9935	100.95	23266	111.00	52307	119.80	491
91.95	9722	101.90	781	111.95	6667	120.05	1541
93.00	65907	102.10	466	112.95	2253	120.90	591

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
121.10	214	132.10	987	141.00	32458	149.80	261
121.95	12445	132.80	429	141.85	4648	150.15	1345
123.00	20315	134.00	6625	142.10	5579	151.05	4704
124.00	8636	135.00	22284	143.00	7100	151.80	1339
125.05	8310	136.05	8592	144.00	1338	152.10	924
127.00	652928	137.00	10183	144.20	1027	152.95	9011
128.00	48283	137.80	578	144.95	1934	153.95	7512
129.00	266752	138.05	1976	145.95	5550	155.00	18679
130.05	23395	138.75	1055	147.05	15832	156.00	24666
131.00	4623	139.10	546	148.00	36888	157.10	5056
131.90	1329	139.95	3584	149.00	7415	158.05	6171

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
158.95	4113	169.80	739	179.00	47109	188.95	11074
160.00	10001	170.05	1774	180.00	31615	189.95	2188
161.05	14966	170.70	855	181.05	14730	190.90	1124
162.00	4200	171.00	1347	182.05	2728	191.05	3481
163.05	2079	172.00	5094	182.70	296	191.95	14598
163.95	2133	173.05	7515	183.10	1878	193.05	15440
164.95	10806	173.95	12059	183.85	3464	194.05	3735
166.00	9554	175.05	24116	185.05	22234	194.80	461
167.05	58790	175.95	6151	186.05	173040	195.00	1984
168.00	31336	177.00	11479	187.05	49315	196.05	35408
168.95	5360	177.95	4286	188.10	5725	197.00	4558

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
198.00	1.20431e+006	209.05	3624	218.95	1179	229.95	2089
199.00	80965	210.15	4975	221.00	54629	231.05	8355
200.00	6722	211.05	13478	221.70	2368	231.95	818
201.45	5984	211.65	2819	222.05	9272	232.90	1103
202.10	779	212.80	195	223.05	22363	234.00	4656
203.00	7678	212.95	475	224.10	175107	235.00	4981

204.05	47973	214.05	639	225.05	43485	236.00	3335
205.05	75411	214.95	3164	226.05	5214	236.90	898
206.10	320171	216.05	6604	227.00	82416	237.10	4220
207.10	43967	217.00	92957	228.00	13280	237.90	399
208.10	10890	218.00	10591	229.00	15386	238.20	234

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
238.95	3383	248.80	616	256.05	101925	265.05	18462
240.00	2276	249.00	3695	257.05	7750	266.00	2952
241.00	4710	250.05	1442	258.00	45525	267.15	164
242.05	9476	250.95	1670	259.05	6742	267.85	367
243.10	8451	252.00	896	259.95	918	269.10	55
244.10	137117	252.20	554	260.30	364	269.90	212
245.10	17024	252.85	1289	260.90	804	270.25	731
246.05	30009	253.20	1341	261.10	648	270.95	1682
247.00	4617	253.70	425	262.70	51	271.95	1136
247.90	124	254.05	3639	263.15	456	272.20	897
248.05	901	255.05	695765	263.90	1176	273.00	21239

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
274.05	50109	285.05	3868	292.80	427	301.05	1105
275.05	288405	286.00	824	293.00	5798	302.05	1272
276.05	39259	287.05	221	294.00	822	303.10	9483
277.05	28212	287.70	229	294.20	820	304.10	2522
277.90	547	288.15	202	294.95	1956	304.80	194
278.10	4129	288.80	595	296.10	96203	305.20	491
279.00	1057	289.10	904	297.05	12899	307.00	52
281.20	263	290.05	1127	297.90	786	308.05	1495
282.10	599	290.70	139	299.00	122	309.05	881
283.15	3747	291.00	604	299.20	181	309.80	348
284.00	2729	292.05	1351	300.30	146	310.00	492

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
310.95	274	319.95	562	328.10	2610	336.15	481
311.90	446	321.10	2114	329.05	872	336.90	66
312.95	886	321.90	128	329.70	195	339.00	497
313.20	183	322.10	1091	330.20	142	340.05	405
314.05	5211	323.10	26280	331.15	229	340.30	249
315.15	9484	324.10	5535	332.10	1257	341.10	2614
316.10	5220	324.90	253	332.80	1467	341.90	113
316.80	406	325.10	250	333.10	2310	342.15	657
317.20	681	325.70	92	334.10	17252	344.40	72
318.80	52	326.05	667	335.00	607	345.90	808
319.20	52	327.05	4740	335.15	4518	346.10	4581

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
347.10	1111	358.95	853	373.05	3123	390.70	276
349.85	443	360.80	256	373.90	308	391.20	948
350.80	195	363.60	136	377.00	203	392.05	791
351.10	220	363.80	102	381.60	135	400.95	543
352.10	7258	365.05	36934	382.50	257	401.40	135
353.10	4682	366.10	5444	383.10	2888	402.10	4314
354.10	6409	366.85	301	384.00	756	403.10	5452
355.00	173	367.20	79	389.10	52	403.90	382
355.15	1155	369.95	567	389.70	263	404.10	1736
357.80	55	371.05	1388	390.05	1473	405.00	384
358.00	114	372.10	12685	390.40	53	421.05	4990

Average of 8.409 to 8.421 min.: dft0507b.D\data.ms
dft0507b
Modified:subtracted

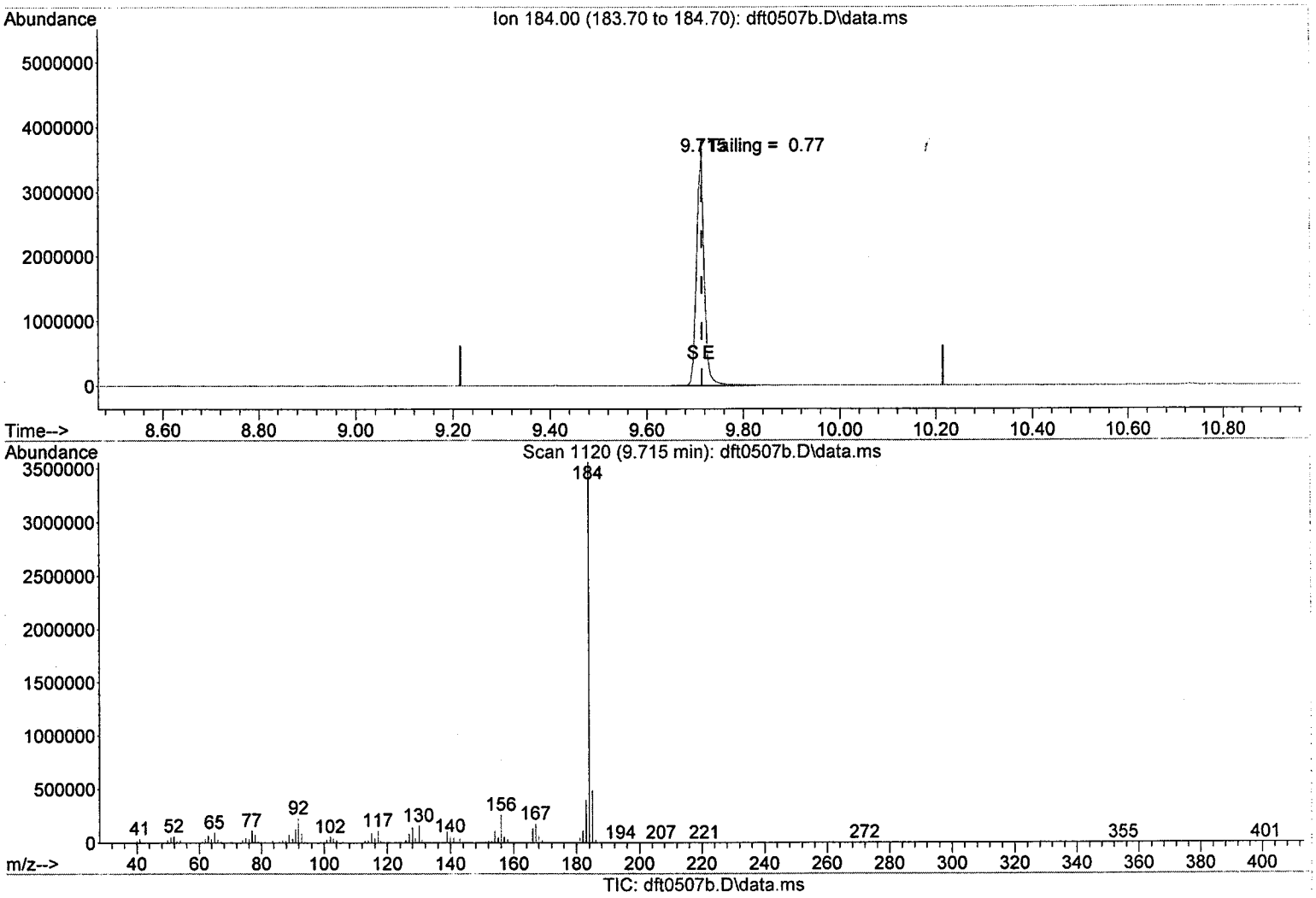
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
422.10	5685	443.10	121965				

423.10	28711	444.10	11056
424.10	5823	444.80	170
425.10	965	445.00	254
426.10	120	445.20	645
427.00	95		
436.60	54		
438.20	56		
440.00	66		
441.10	87992		
442.10	594325		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : dft0507b.D
Acq On : 7 May 2012 8:51
Operator : JLB
Sample : dft0507b Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 13:39:15 2012
Quant Method : C:\msdchem\1\METHODS\4DDT.M
Quant Title : 8270/625 BNA
QLast Update : Mon Apr 11 10:20:07 2011
Response via : Initial Calibration



(1) benzidine

9.715min (-0.000) 0.00 ng/uL

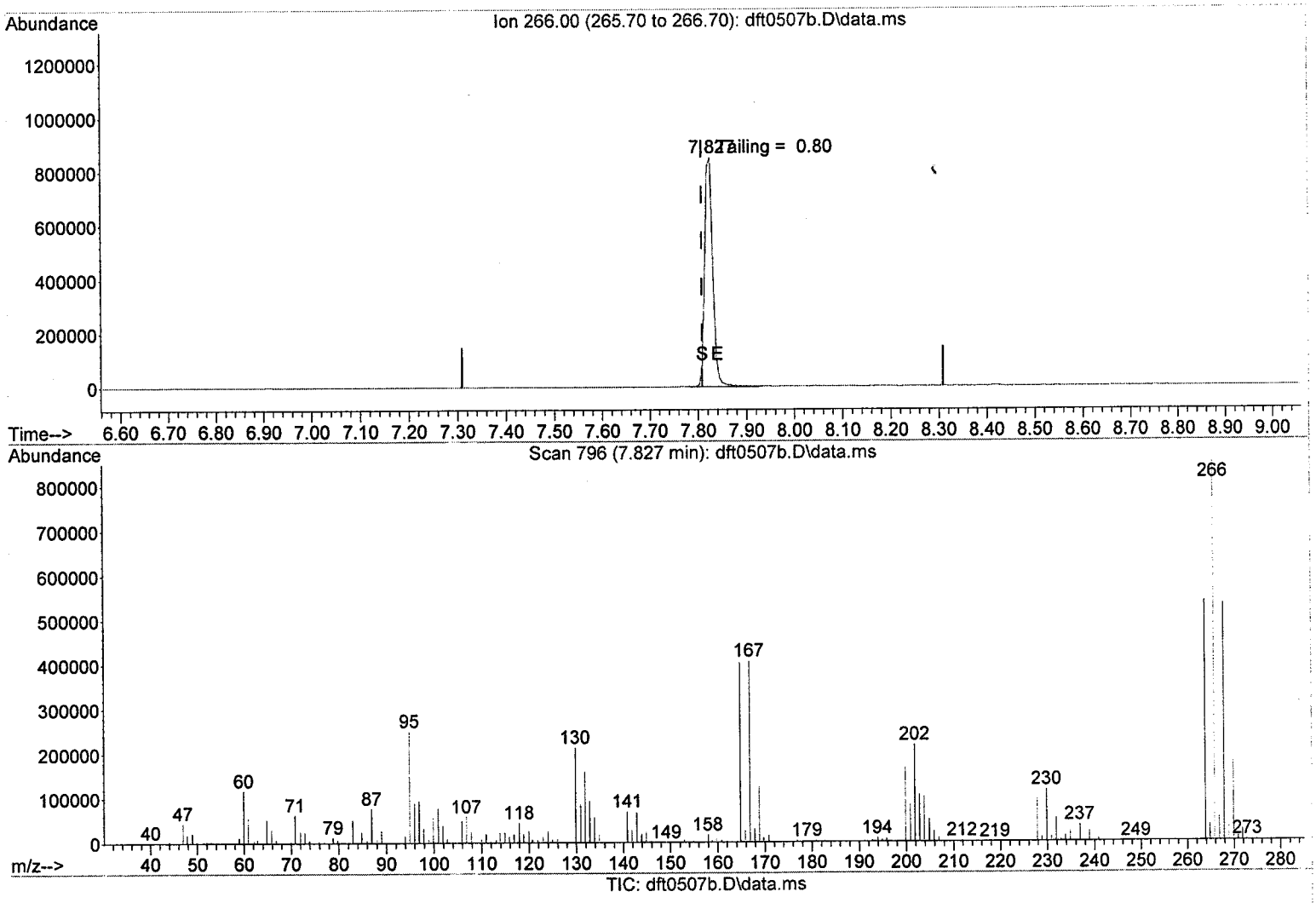
response 3893583

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : dft0507b.D
Acq On : 7 May 2012 8:51
Operator : JLB
Sample : dft0507b Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 13:39:15 2012
Quant Method : C:\msdchem\1\METHODS\4DDT.M
Quant Title : 8270/625 BNA
QLast Update : Mon Apr 11 10:20:07 2011
Response via : Initial Calibration



(2) pentachlorophenol

7.827min (+0.017) 0.00 ng/uL

response 972339

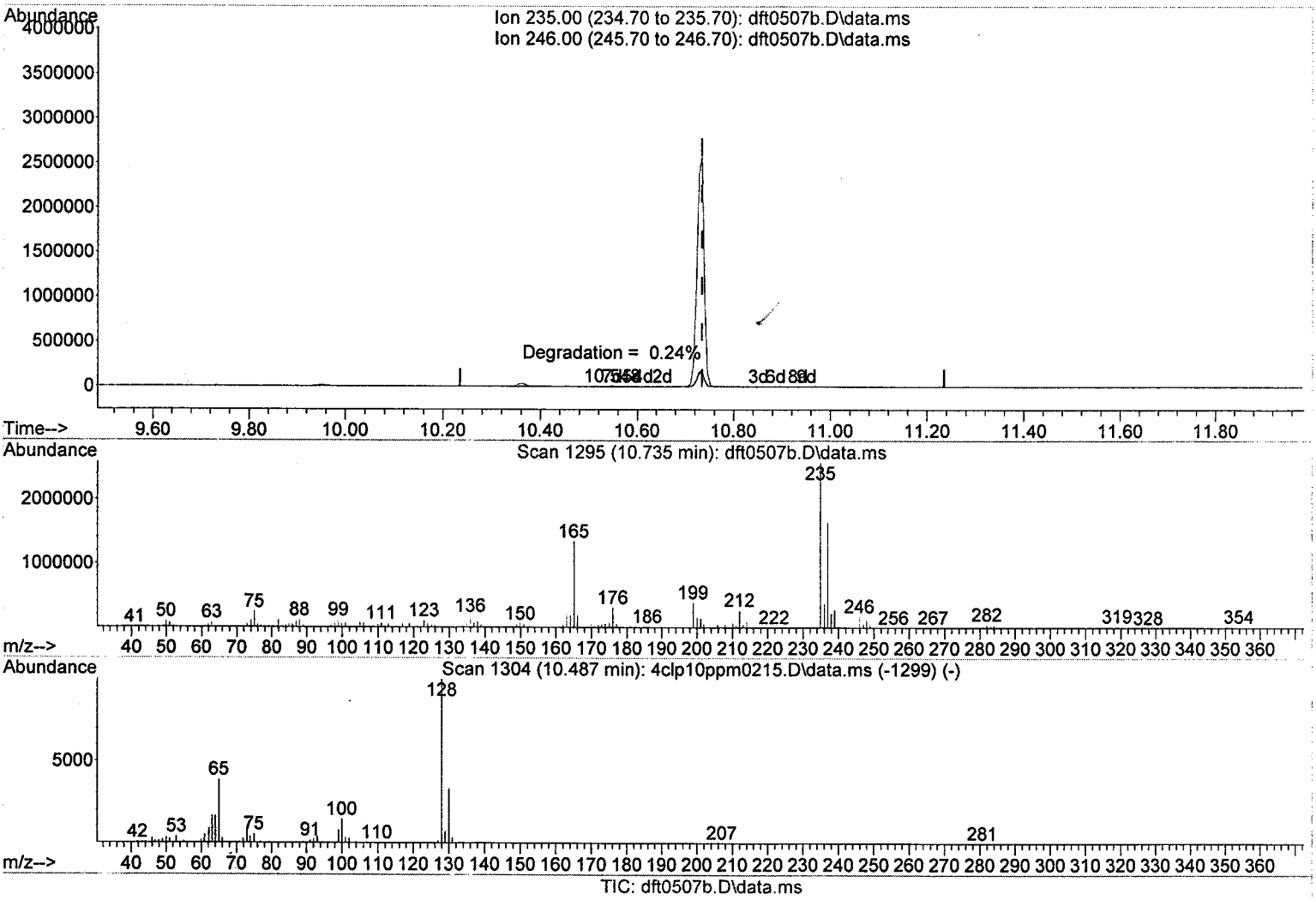
Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

00749

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050712_308\
Data File : dft0507b.D
Acq On : 7 May 2012 8:51
Operator : JLB
Sample : dft0507b Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 13:39:15 2012
Quant Method : C:\msdchem\1\METHODS\4DDT.M
Quant Title : 8270/625 BNA
QLast Update : Mon Apr 11 10:20:07 2011
Response via : Initial Calibration



TIC: dft0507b.D\data.ms

(3) 4-ddt

10.735min (-0.000) 36.14 ng/uL

response 2596358

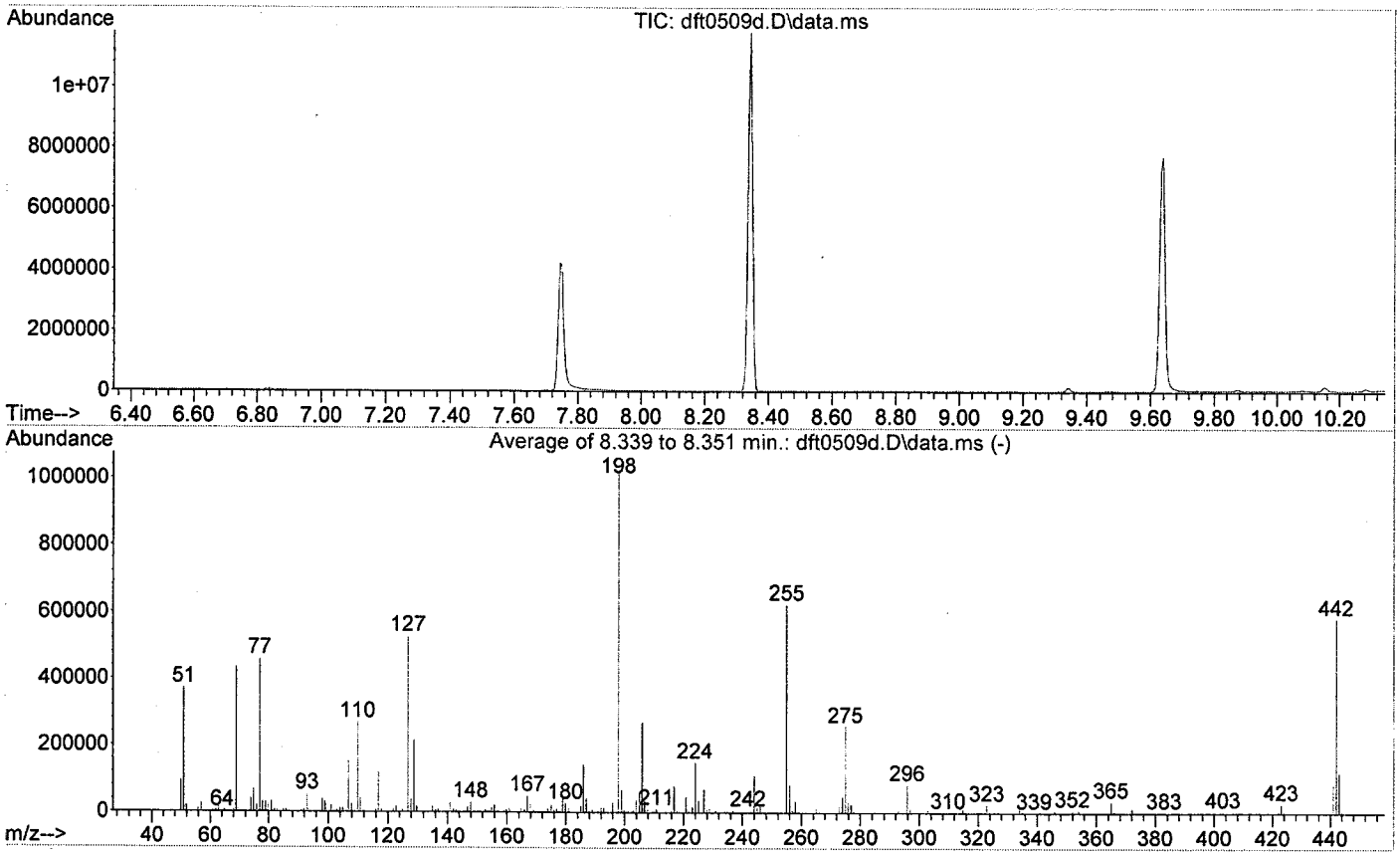
Ion	Exp%	Act%
235.00	100	100
246.00	0.00	6.82#
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : dft0509d.D
Acq On : 9 May 2012 9:36
Operator : JLB
Sample : dft0509d
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\METHODS\050712bna.M
Title : 8270/625 BNA
Last Update : Fri May 11 10:41:16 2012
Sample : dft0509d Inst : 308



AutoFind: Scans 884, 885, 886; Background Corrected with Scan 876

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	36.1	370281	PASS
68	69	0.00	2	1.2	5266	PASS
69	198	0.00	100	42.3	433344	PASS
70	69	0.00	2	0.4	1583	PASS
127	198	40	60	51.4	527488	PASS
197	198	0.00	1	0.1	1447	PASS
198	198	100	100	100.0	1025451	PASS
199	198	5	9	6.6	67597	PASS
275	198	10	30	25.1	257536	PASS
365	198	1	100	3.3	33912	PASS
441	443	0.01	100	71.1	84872	PASS
442	198	40	100	56.8	582400	PASS
443	442	17	23	20.5	119376	PASS

4 PAGE

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
40.10	1394	53.05	573	60.95	4814	70.70	55
41.85	224	54.10	94	62.00	6221	71.30	280
43.05	513	54.90	210	63.00	15960	71.90	431
43.90	902	55.10	1196	63.90	737	73.05	2123
45.10	883	56.00	11532	64.20	1482	74.00	41568
46.95	385	56.95	27145	64.95	6008	75.00	66587
48.10	405	58.05	1102	67.15	784	76.05	21939
49.00	3469	58.70	82	67.80	1026	77.00	458224
50.00	94919	58.95	309	68.05	5266	78.05	29987
51.00	370281	59.85	378	69.00	433344	79.00	30153
52.00	19234	60.10	362	69.85	1583	80.00	24888

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.00	33702	90.10	57	99.90	756	109.05	4002
82.00	7303	91.00	6815	100.05	1690	110.00	268011
83.00	7174	91.95	7089	101.00	19068	110.95	40270
83.90	833	93.00	52449	102.05	1580	112.05	4394
85.00	6134	94.00	3694	103.00	6044	113.00	2154
86.00	7851	94.80	514	104.00	11767	114.10	598
86.95	3715	95.05	225	105.00	11223	114.70	430
87.90	1808	95.95	3145	105.80	533	115.05	145
88.80	358	96.90	848	106.05	2954	116.05	7503
89.05	322	98.00	38656	106.95	150621	116.95	119274
89.30	228	99.00	32098	108.00	25354	117.95	7727

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
119.05	921	130.00	17790	138.10	919	147.00	15356
119.90	1588	131.10	2924	138.80	611	148.00	29189
121.00	1000	131.90	1920	139.20	297	148.90	3807
121.95	9538	132.50	445	139.95	3480	149.10	2084
122.95	16226	132.90	425	141.00	26236	149.90	610
124.00	6873	133.15	573	142.10	8353	150.15	873
125.00	6843	134.00	5187	143.00	5886	151.05	3363
126.00	1116	135.00	16856	144.00	1858	151.85	1448
127.00	527488	136.05	6531	144.80	395	153.00	8205
128.00	38227	136.95	8373	145.00	882	154.00	5430
129.00	215824	137.75	1279	146.00	4897	155.05	14325

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
156.00	21032	164.95	9251	176.00	6341	187.00	41141
157.15	3989	166.05	7590	177.00	9426	188.00	4055
157.70	1375	167.00	48599	178.05	3262	189.00	9698
158.00	3156	168.00	21941	179.00	43763	189.95	1769
158.95	3571	169.05	4382	180.00	26285	191.05	4461
159.95	8168	170.10	1667	181.00	13506	192.00	13194
161.00	13420	170.95	2911	182.10	2099	193.00	13243
162.10	3152	172.00	4631	183.00	1307	194.05	2856
162.90	200	173.05	6135	184.05	3789	194.95	1528
163.05	697	174.00	10558	185.05	18352	196.00	29096
163.90	1523	175.05	20790	186.05	141659	196.70	929

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
197.00	1447	208.00	9134	217.00	78419	226.00	3681
198.00	1.02545e+006	209.05	2375	218.05	8604	227.05	69397
199.00	67597	210.05	4307	218.90	735	228.10	9841
199.95	5899	211.00	10115	219.20	214	229.00	13623
201.45	4579	211.90	1324	220.10	709	230.00	1946
201.85	1245	212.20	461	221.00	47403	231.00	4847

203.00	7461	213.05	686	221.85	6323	231.90	1052
204.10	36720	214.05	38	222.10	3304	233.00	1330
205.10	62485	214.80	402	223.05	16857	233.90	1401
206.05	269099	215.05	3056	224.05	149179	234.05	2505
207.00	35818	216.00	5294	225.10	37077	235.10	4683

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
235.95	2892	246.05	24432	255.00	623957	265.10	15299
237.05	4904	246.95	4452	256.05	84333	265.90	2757
237.85	448	247.80	308	257.00	6969	267.05	627
238.10	146	248.10	756	258.00	34549	267.70	101
238.90	2375	249.00	3500	259.10	5122	270.00	907
240.05	2152	249.90	308	259.95	969	270.90	1186
241.00	3747	250.15	518	261.05	734	272.05	1907
242.05	7497	250.95	970	261.70	53	273.00	17192
243.05	6978	252.00	1542	262.15	149	274.05	46203
244.05	111331	253.00	2947	263.00	620	275.10	257536
245.05	14649	254.00	977	263.95	1027	276.05	31560

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
277.05	24317	286.10	471	293.00	6212	301.05	815
278.05	4323	287.10	259	294.10	1252	301.80	510
279.05	1053	287.70	90	294.50	214	302.05	1197
280.90	89	288.20	70	294.95	693	303.05	9532
281.10	154	289.05	1245	296.05	83864	304.10	2058
281.80	207	289.90	517	297.05	11981	304.95	568
282.10	368	290.05	474	297.90	664	307.20	114
283.05	3115	290.90	711	298.20	200	308.00	1207
284.00	1494	291.30	387	299.10	272	309.05	757
284.20	442	291.70	244	300.40	69	309.90	1093
285.10	3458	292.10	1303	300.70	318	311.80	78

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
312.05	282	320.30	175	328.70	89	340.00	159
312.80	243	321.05	2793	329.05	518	340.20	321
313.10	786	322.05	1636	330.15	190	341.10	2948
314.10	4712	323.10	24141	331.95	1915	342.15	797
315.05	9834	324.05	4746	332.20	446	342.90	73
316.05	4291	325.20	723	333.10	2413	345.10	81
316.90	186	325.70	117	334.10	14734	346.05	6062
317.15	658	326.00	187	335.10	3941	346.95	864
318.70	73	326.20	165	335.80	79	349.90	54
319.40	123	327.10	4654	336.05	421	351.05	287
319.95	192	327.95	2082	339.10	738	352.10	7181

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
353.10	4925	365.05	33912	377.10	83	400.70	73
354.15	6447	366.05	5254	382.10	62	400.95	552
354.90	252	366.70	100	383.10	2746	401.20	126
355.15	1012	367.00	71	384.05	573	401.90	905
356.60	72	370.05	636	385.10	199	402.05	2932
358.05	224	371.00	1531	390.05	1295	403.15	4934
358.80	84	372.15	12811	390.90	618	404.00	556
359.15	557	372.90	771	391.30	230	404.20	1496
360.00	112	373.20	1922	391.80	299	405.10	440
360.80	276	374.00	129	392.15	349	406.15	200
363.90	243	376.85	280	397.10	101	410.20	67

Average of 8.339 to 8.351 min.: dft0509d.D\data.ms
dft0509d
Modified:subtracted

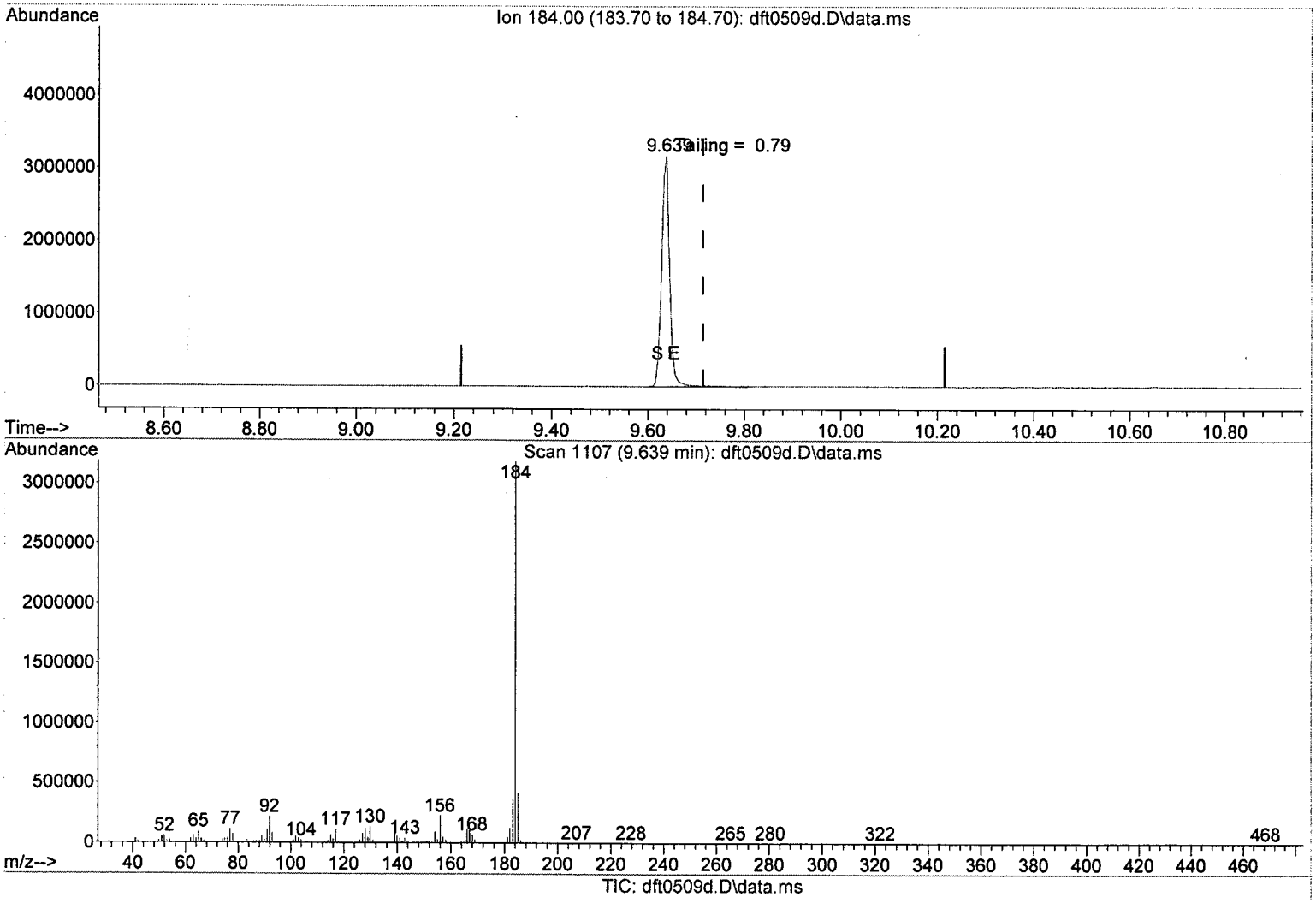
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
415.10	424	443.10	119376				

415.90	56	444.15	9868
420.90	744	445.05	772
421.10	3918		
422.15	3974		
423.10	27157		
424.05	5435		
424.95	758		
439.00	159		
441.10	84872		
442.10	582400		

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : dft0509d.D
Acq On : 9 May 2012 9:36
Operator : JLB
Sample : dft0509d Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 11:00:18 2012
Quant Method : C:\msdchem\1\METHODS\4DDT.M
Quant Title : 8270/625 BNA
QLast Update : Mon Apr 11 10:20:07 2011
Response via : Initial Calibration



(1) benzidine

9.639min (-0.076) 0.00 ng/uL

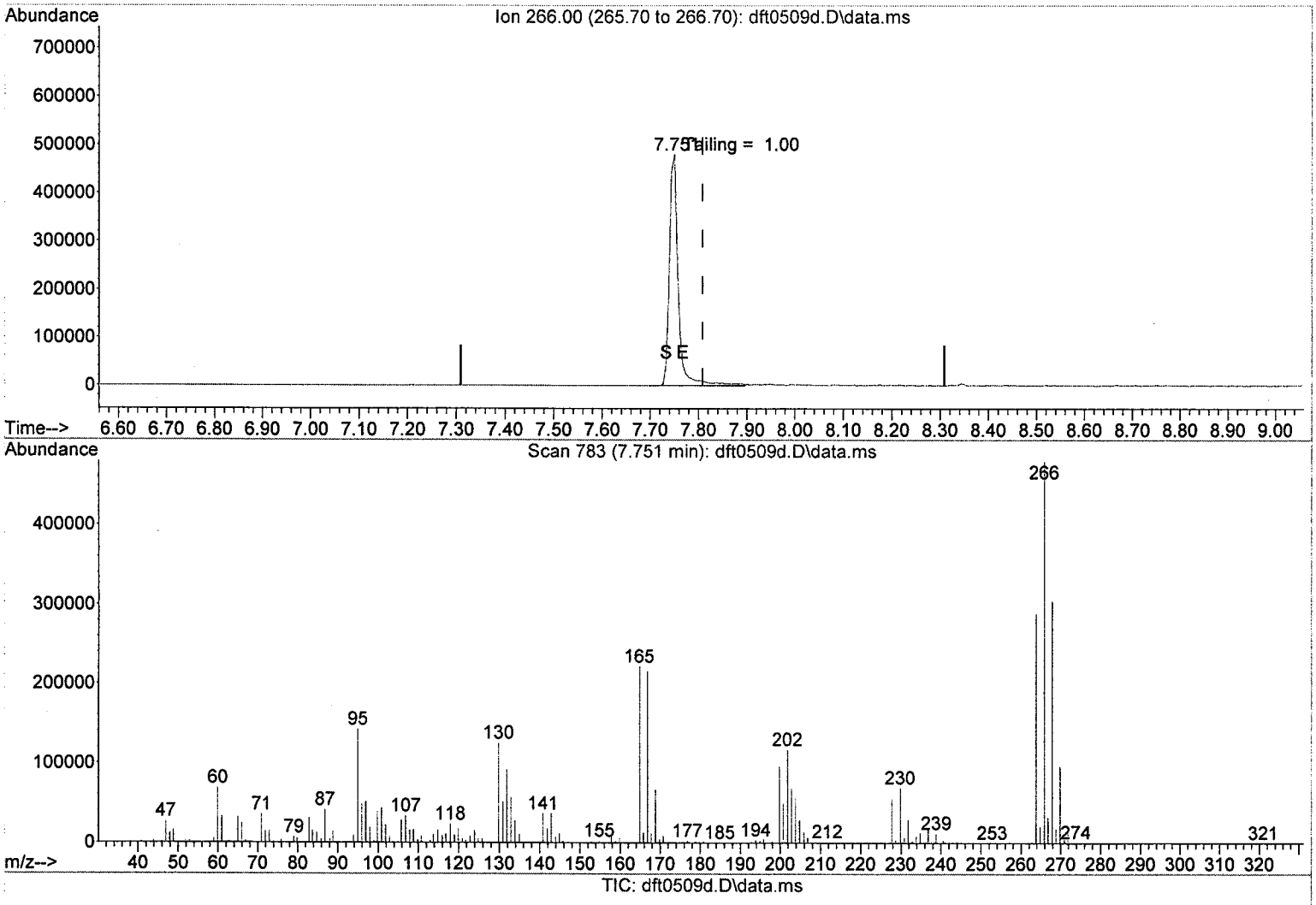
response 3701496

Ion	Exp%	Act%
184.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : dft0509d.D
Acq On : 9 May 2012 9:36
Operator : JLB
Sample : dft0509d Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 11:00:18 2012
Quant Method : C:\msdchem\1\METHODS\4DDT.M
Quant Title : 8270/625 BNA
QLast Update : Mon Apr 11 10:20:07 2011
Response via : Initial Calibration



(2) pentachlorophenol

7.751min (-0.058) 0.00 ng/uL

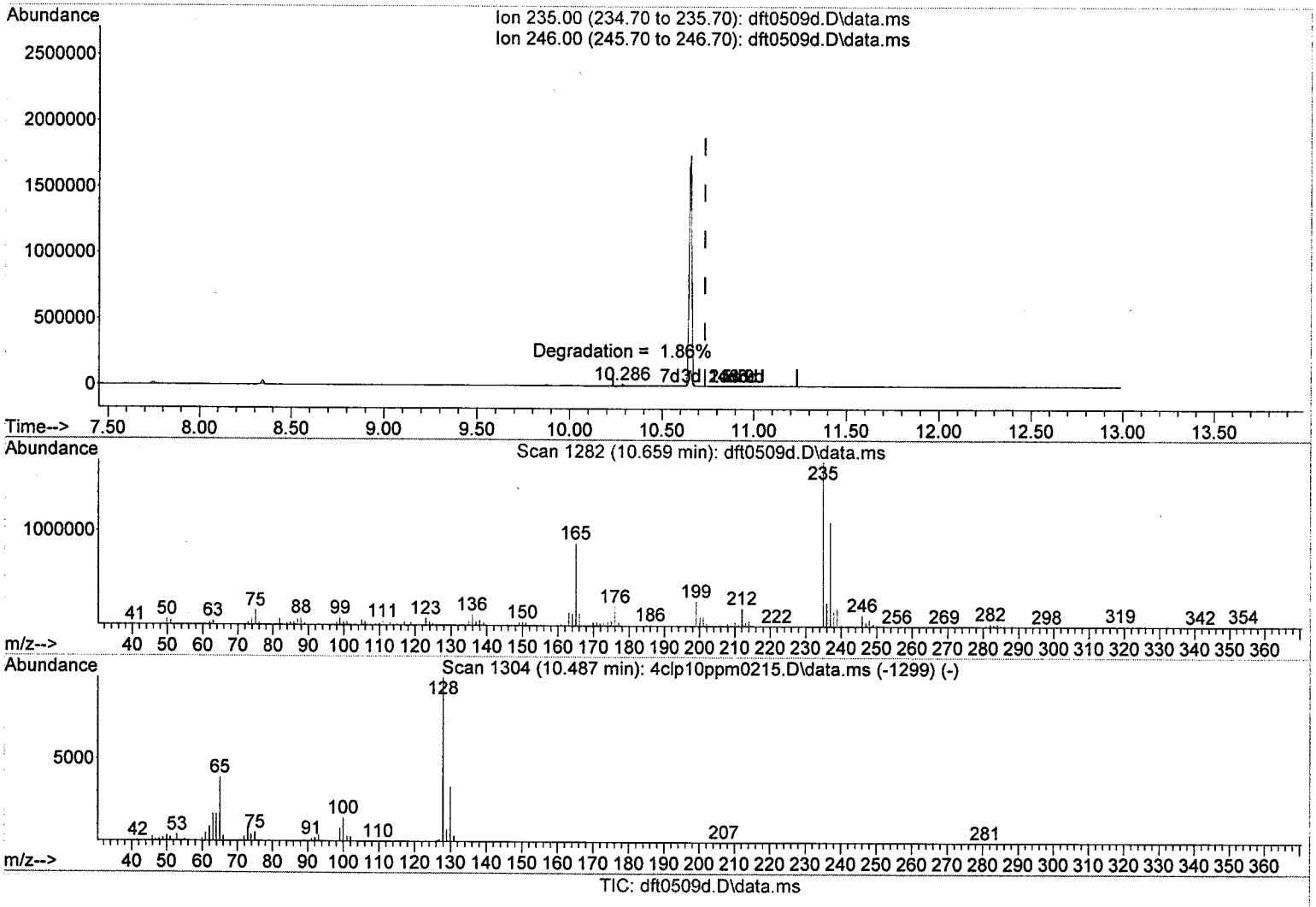
response 589143

Ion	Exp%	Act%
266.00	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : dft0509d.D
Acq On : 9 May 2012 9:36
Operator : JLB
Sample : dft0509d Inst : 308
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 11 11:00:18 2012
Quant Method : C:\msdchem\1\METHODS\4DDT.M
Quant Title : 8270/625 BNA
QLast Update : Mon Apr 11 10:20:07 2011
Response via : Initial Calibration



TIC: dft0509d.D\data.ms

(3) 4-ddt

10.659min (-0.076) 24.96 ng/uL m

response 1793157

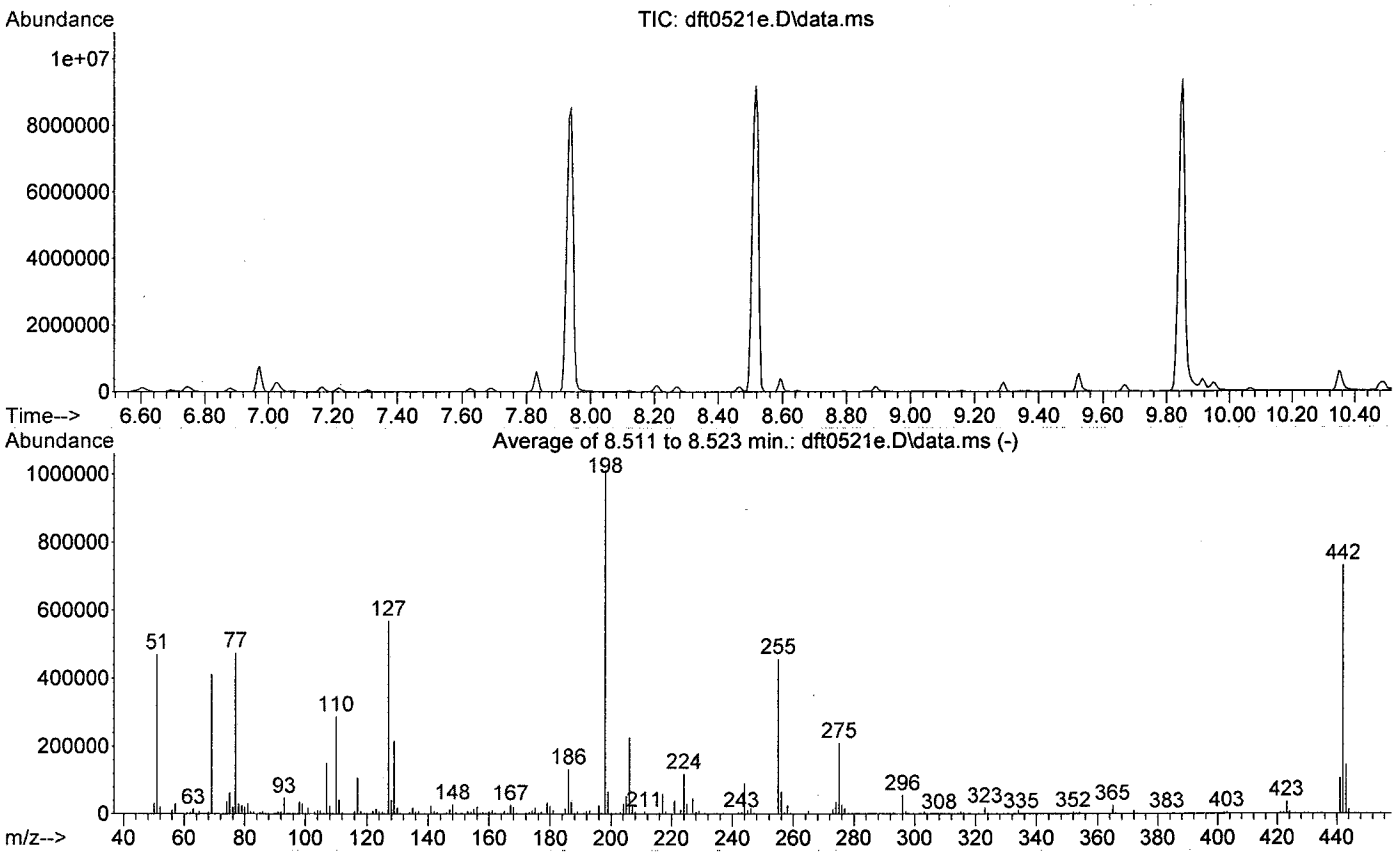
Ion	Exp%	Act%
235.00	100	100
246.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

DFTPP

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0521e.D
Acq On : 21 May 2012 15:54
Operator : JLB
Sample : dft0521e
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\052112abe.M
Title : 8270/625 BNA
Last Update : Tue May 22 09:46:35 2012



AutoFind: Scans 948, 949, 950; Background Corrected with Scan 938

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	46.6	471036	PASS
68	69	0.00	2	1.3	5267	PASS
69	198	0.00	100	40.8	412608	PASS
70	69	0.00	2	0.5	2111	PASS
127	198	40	60	56.3	569152	PASS
197	198	0.00	1	0.5	4874	PASS
198	198	100	100	100.0	1011456	PASS
199	198	5	9	6.8	68824	PASS
275	198	10	30	20.8	210155	PASS
365	198	1	100	2.6	26752	PASS
441	443	0.01	100	73.1	107016	PASS
442	198	40	100	72.4	732331	PASS
443	442	17	23	20.0	146421	PASS

Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.00	33320	61.00	4619	71.90	112	83.00	7895
51.00	471036	62.00	5406	72.95	2367	83.95	849
52.00	23056	63.00	16087	74.00	37722	85.00	5197
53.00	910	63.95	2055	75.00	64927	85.95	7543
54.95	1506	65.00	8298	76.00	21537	86.95	3818
56.00	12629	66.00	643	76.95	475719	87.95	1339
57.00	31329	66.95	442	78.00	32269	89.00	367
58.00	1327	68.00	5267	79.00	26704	90.10	57
58.90	173	69.00	412608	80.00	21568	91.00	6914
59.05	304	70.00	2111	81.00	32427	92.00	7703
59.95	267	70.95	260	82.00	7868	93.00	48965

Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
94.00	3464	104.00	11430	115.95	7615	127.00	569152
94.95	854	105.00	10928	117.00	109787	128.00	41885
96.00	2496	106.00	3341	118.00	8312	129.00	216533
96.90	241	107.00	153600	118.95	842	130.00	18130
97.05	585	108.00	23779	120.00	1910	131.00	3302
98.00	37139	109.00	3951	121.05	557	132.05	1841
99.00	31661	110.00	287765	122.00	9335	132.95	721
99.95	2569	111.00	42757	123.00	14876	134.00	5578
100.95	19499	112.00	5042	124.00	6620	135.00	17927
101.95	743	112.95	1115	125.00	6637	136.00	6505
103.00	5685	114.10	161	126.05	1970	136.95	8306

Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
137.85	1343	149.95	1547	161.00	11867	172.00	4395
139.95	286	151.10	3142	162.00	3514	173.00	5637
140.95	25055	151.80	1810	163.00	916	174.00	10324
142.00	8407	153.00	8157	163.90	774	175.00	18725
142.95	5488	154.00	6160	164.95	8854	176.05	5175
144.00	1509	155.00	15030	166.00	3295	177.00	8049
145.00	1265	156.00	21829	167.00	27061	178.00	2824
145.95	4295	157.05	3984	168.00	19677	179.00	34843
147.00	12959	158.00	4684	168.95	3966	180.00	24667
148.00	29029	159.00	3581	170.05	1630	181.00	11469
149.00	5728	160.00	8073	171.00	2062	182.00	1818

Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
182.95	973	194.05	2470	206.05	226987	217.00	61056
184.00	2710	195.00	1573	207.00	29652	218.00	7588
185.00	16418	196.00	26240	208.00	7777	219.05	727
186.05	133384	196.90	4874	209.00	2224	221.00	41509
187.00	37040	198.00	1.01146e+006	210.15	3351	223.00	12952
188.00	3785	199.00	68824	211.05	8407	224.05	120304
189.00	7814	200.00	4982	211.80	603	225.05	30376
190.00	1339	201.50	4036	213.05	679	226.05	3172
191.00	3689	203.00	6239	213.95	274	227.00	49037
192.00	10913	204.05	31800	215.00	2497	228.05	6716
193.05	11979	205.05	53957	216.00	4680	229.00	10549

Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
230.00	1462	241.00	2805	252.05	1130	262.95	275
231.00	4380	242.05	5905	253.05	2153	264.00	810
232.00	789	243.05	6150	254.00	2691	265.00	9983
232.95	864	244.05	92693	255.00	457557	266.05	1454
234.00	2819	245.10	12383	256.00	67216	266.95	204
235.00	3515	246.00	17264	257.00	4992	267.80	61

236.00	2265	247.00	3622	258.00	25645	268.05	112
237.05	3569	247.95	858	259.00	4224	268.80	53
238.00	535	249.00	3302	260.05	650	270.00	605
239.00	2046	250.00	670	261.00	817	271.00	1184
240.00	1373	251.00	866	262.10	52	271.90	444

Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
272.10	1017	284.05	1175	295.00	1155	309.00	486
273.00	14307	285.05	3051	296.00	56283	310.00	657
274.00	37371	286.05	590	297.00	7837	311.10	86
275.05	210155	287.80	78	297.95	579	312.10	138
276.05	28133	288.05	174	299.00	67	313.00	517
277.00	17130	289.00	839	301.00	703	314.10	2694
278.00	2992	290.10	560	302.05	983	315.05	6539
279.00	665	291.00	440	303.10	6947	316.05	3565
281.05	153	292.00	711	304.05	1815	317.05	689
281.95	421	293.00	3784	305.00	258	320.00	163
283.05	2056	294.00	1130	308.00	814	321.05	1855

Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
322.10	924	334.10	11882	351.05	347	370.05	632
323.10	19781	335.05	3273	352.05	5780	371.05	1582
324.05	3695	336.05	360	353.05	3995	372.05	10838
324.95	345	338.80	93	354.10	5648	373.05	2667
325.95	321	338.95	175	355.10	1182	374.05	289
327.00	3554	340.00	319	359.05	364	376.95	217
328.05	1965	341.10	2229	361.00	55	383.05	3178
329.05	381	342.05	642	364.00	120	384.05	799
330.00	69	346.00	4062	365.00	26752	384.95	202
332.05	1432	347.05	707	366.00	4177	390.05	1399
333.05	1881	350.05	192	367.00	269	391.05	868

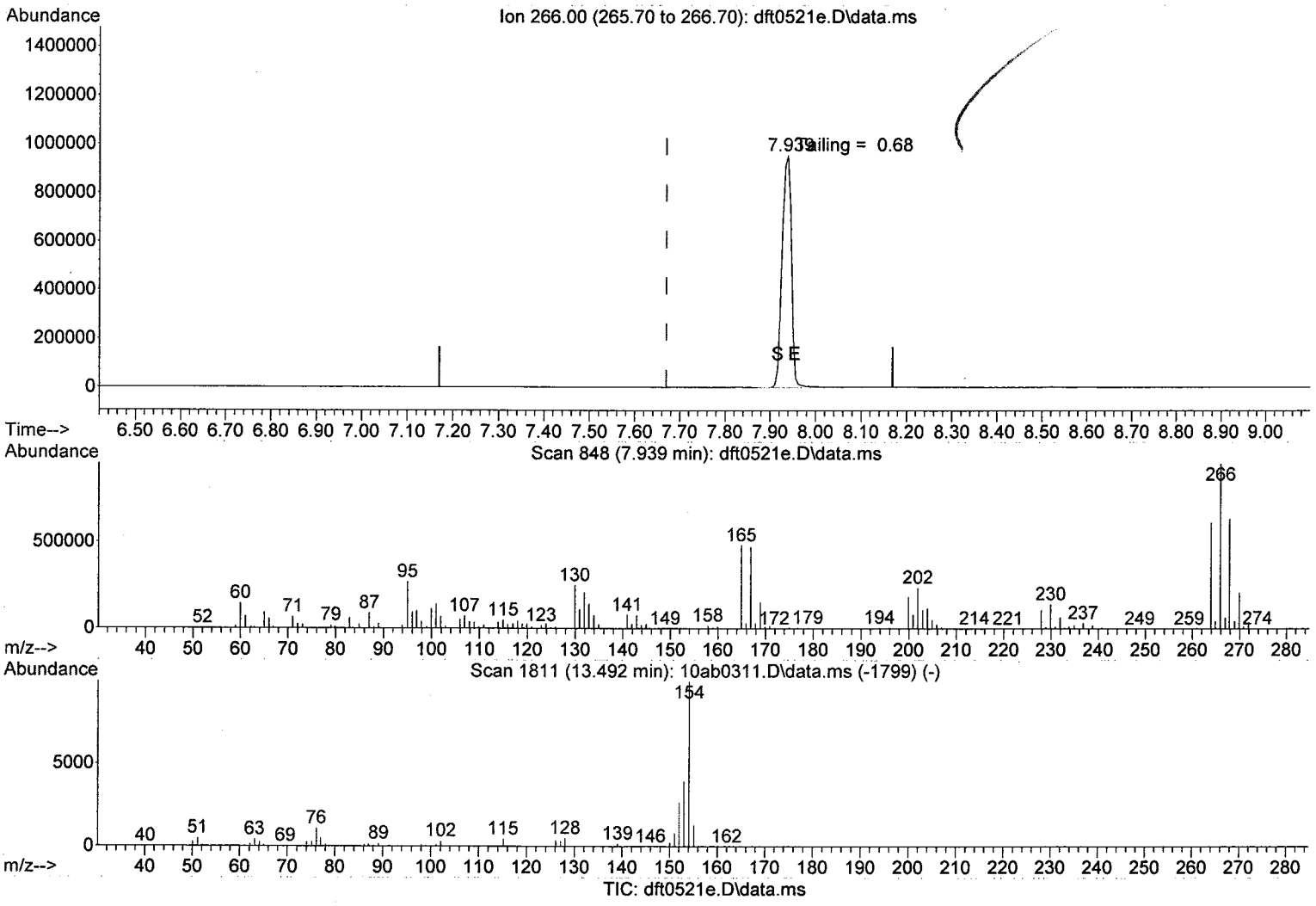
Average of 8.511 to 8.523 min.: dft0521e.D\data.ms
dft0521e
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
392.05	668	422.05	4919				
394.90	71	423.10	37192				
401.00	523	424.10	7506				
402.10	4356	425.10	787				
403.05	5826	433.10	61				
404.05	2152	434.90	61				
405.00	359	441.10	107016				
409.80	53	442.10	732331				
410.00	70	443.10	146421				
414.95	289	444.10	13490				
421.05	5168	445.05	794				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0521e.D
Acq On : 21 May 2012 15:54
Operator : JLB
Sample : dft0521e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:14:57 2012
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Feb 01 10:08:01 2012
Response via : Initial Calibration



TIC: dft0521e.D\data.ms

(1) Pentachlorophenol

7.939min (+ 0.269) 3.27 ng/uL

response 1369087

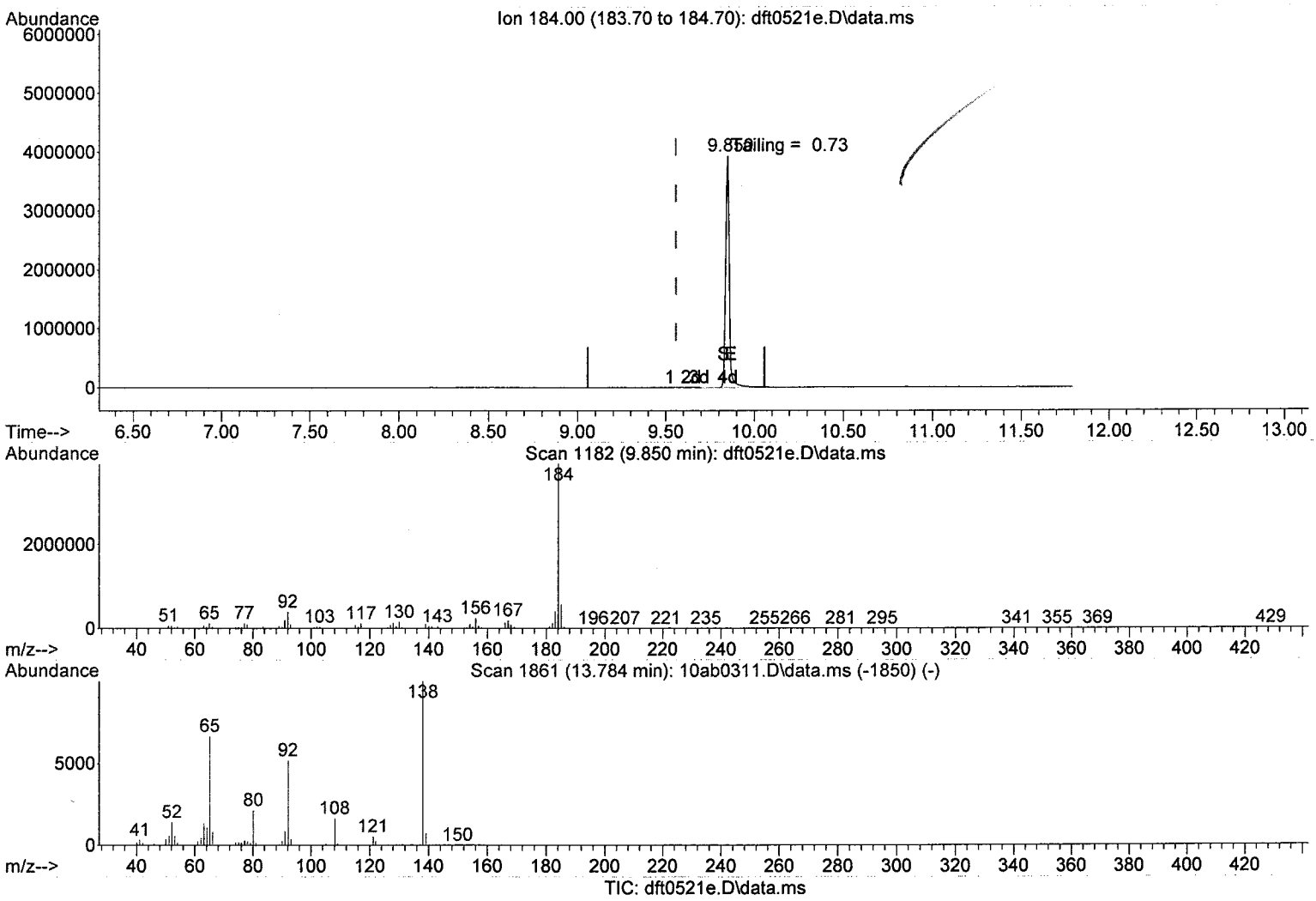
Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

00761

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0521e.D
Acq On : 21 May 2012 15:54
Operator : JLB
Sample : dft0521e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:14:57 2012
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Feb 01 10:08:01 2012
Response via : Initial Calibration



TIC: dft0521e.D\data.ms

(2) Benzidine

9.850min (+ 0.292) 67.40 ng/uL m

response 5688001

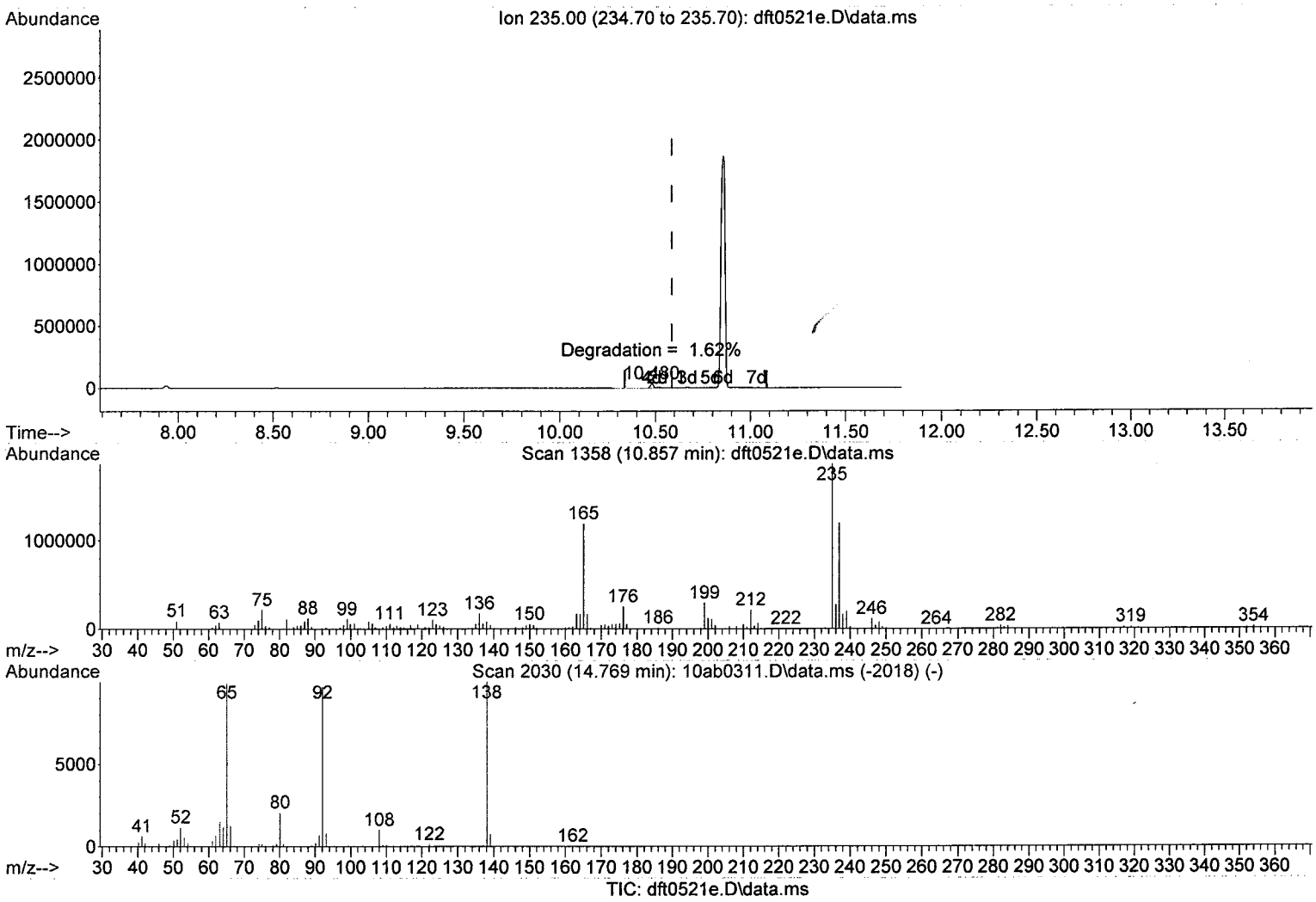
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

00762

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0521e.D
Acq On : 21 May 2012 15:54
Operator : JLB
Sample : dft0521e Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:14:57 2012
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Feb 01 10:08:01 2012
Response via : Initial Calibration



TIC: dft0521e.D\data.ms

(3) 4-DDT

10.857min (+ 0.269) 44.14 ng/uL m

response 2828062

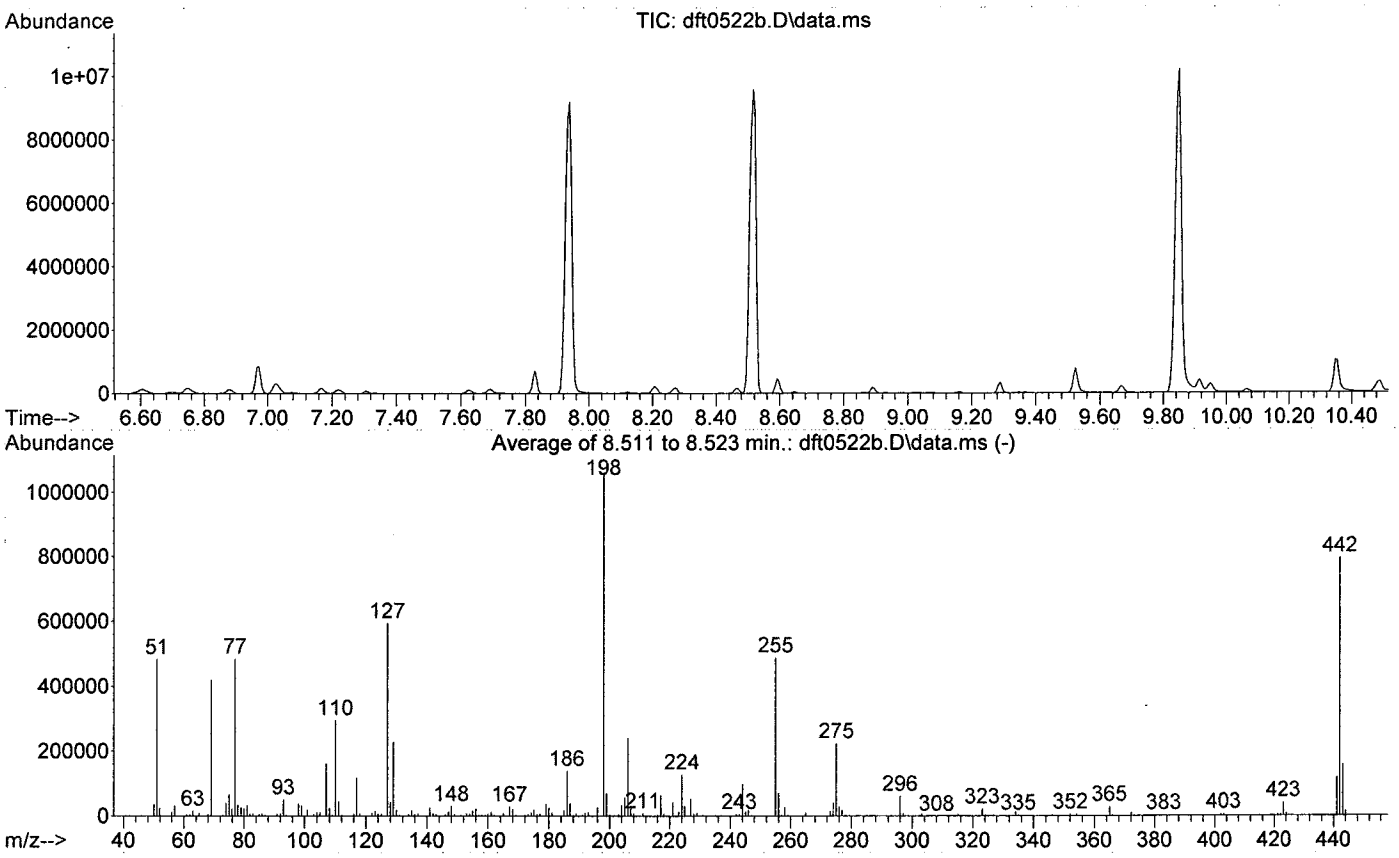
Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

00763

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0522b.D
Acq On : 22 May 2012 2:16
Operator : JLB
Sample : dft0522b
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File: lscint.p

Method : C:\msdchem\1\methods\tail&degrad.M
Title : 8270/625 BNA
Last Update : Wed Feb 01 10:08:01 2012



AutoFind: Scans 948, 949, 950; Background Corrected with Scan 938

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	60	45.6	484560	PASS
68	69	0.00	2	1.4	5745	PASS
69	198	0.00	100	39.6	420608	PASS
70	69	0.00	2	0.5	2009	PASS
127	198	40	60	56.0	594411	PASS
197	198	0.00	1	0.3	3327	PASS
198	198	100	100	100.0	1061739	PASS
199	198	5	9	6.7	70837	PASS
275	198	10	30	21.1	224043	PASS
365	198	1	100	2.8	29459	PASS
441	443	0.01	100	74.4	118579	PASS
442	198	40	100	74.9	794752	PASS
443	442	17	23	20.1	159432	PASS

00764

Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
50.00	37053	61.95	5402	72.95	2668	83.95	934
50.95	484560	62.95	16328	73.95	39677	85.00	5633
51.95	24047	64.00	1985	75.00	65950	85.95	8327
53.05	946	65.00	8611	75.95	22681	86.95	3965
55.00	1632	66.00	501	77.00	486385	87.95	1425
56.00	13107	67.05	367	77.95	33697	88.95	279
56.95	31603	68.00	5745	79.00	28211	90.95	7141
58.00	1476	69.00	420608	80.00	22896	92.00	8178
59.00	506	70.00	2009	81.00	33533	93.00	51877
59.95	234	70.95	292	82.00	9029	94.00	3778
61.00	5068	71.90	195	83.00	8066	95.00	1096

Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
96.00	2442	107.00	161856	119.00	1104	130.00	19435
97.05	855	108.00	24827	119.95	2063	131.00	3526
98.00	39093	109.00	3840	120.95	592	132.05	1852
99.00	32547	109.95	296676	122.00	9803	132.95	617
100.00	2680	111.00	44877	123.00	15776	134.00	5971
100.95	20399	112.00	5229	124.00	6990	135.00	17960
101.95	1076	113.00	942	125.00	6954	136.00	7239
102.95	5902	115.00	321	126.00	2168	137.00	8671
104.00	11796	115.95	8018	127.00	594411	137.95	1496
105.00	11543	117.00	118155	128.00	44179	140.00	748
106.00	3462	118.00	8586	129.00	227712	140.95	26522

Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
142.00	8777	153.00	8186	164.00	755	175.00	20208
143.00	6232	154.00	6672	164.95	9011	176.05	5626
144.00	1630	155.00	15916	166.00	3285	177.00	8812
145.00	1686	156.00	23365	167.00	29555	178.00	2861
146.00	4597	157.00	4578	168.00	21612	179.00	37051
147.00	13703	157.95	4422	169.00	4002	180.00	25931
148.00	30688	159.00	3760	170.00	1538	181.00	12455
149.00	6352	160.00	8473	171.00	2186	182.00	1918
150.00	1832	161.00	12775	171.95	4500	182.95	898
151.05	3455	162.05	3666	173.00	6282	184.00	2778
151.90	2033	163.00	965	174.00	11023	185.00	17656

Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
186.00	140160	196.70	1828	208.00	8190	219.05	865
187.00	40229	196.95	3327	209.00	2404	221.05	43824
188.00	3893	198.00	1.06174e+006	210.10	3582	223.00	13837
189.00	8086	199.00	70837	211.05	9206	224.05	129216
190.00	1284	200.00	5113	211.80	529	225.05	32083
191.00	3962	201.50	3761	213.05	708	226.05	3427
192.00	11503	203.00	6444	214.10	340	227.00	53661
193.00	13086	204.00	34485	215.00	2619	228.00	7568
194.05	2972	205.05	57640	216.00	5054	229.00	11495
195.05	1574	206.10	242133	217.00	64464	230.00	1513
196.00	26912	207.05	31723	218.00	8276	231.05	4656

Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
232.00	827	243.05	6663	254.00	2838	265.00	10589
233.00	1014	244.10	99288	255.00	489216	266.00	1746
234.05	3260	245.05	13586	256.00	71109	267.00	213
235.00	3876	246.00	19333	257.00	5465	267.85	158
236.00	2715	247.05	3621	258.00	27691	269.10	142
237.05	4163	248.00	801	259.00	4583	270.00	618

00765

238.00	687	249.00	3336	260.00	857	271.05	1260
239.00	2067	249.95	736	260.95	878	272.05	1381
240.00	1542	250.95	929	262.00	55	273.05	15204
241.05	2746	252.00	1065	263.05	261	274.00	41195
242.05	6552	253.05	2212	264.05	795	275.05	224043

Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
276.05	30080	288.95	763	301.05	776	313.05	383
277.00	18957	290.00	639	302.05	1013	314.05	3006
278.00	3100	291.05	401	303.05	7311	315.05	6617
279.05	640	292.00	896	304.00	1983	316.05	3884
280.95	218	293.00	4367	305.05	293	317.05	647
282.05	475	294.00	1013	308.00	950	318.95	112
283.05	2118	295.00	976	309.05	526	319.95	230
284.05	1521	296.00	61283	310.05	816	321.05	2229
285.05	3373	297.00	8669	311.05	138	322.05	1125
286.05	743	298.00	635	312.05	212	323.10	22080
288.05	220	299.05	146	312.90	149	324.10	3749

Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
325.05	433	338.95	313	354.05	6518	372.10	11997
326.05	359	339.95	266	355.05	1328	373.10	2978
327.00	3902	341.05	2493	356.05	207	374.05	317
328.05	2020	342.05	636	359.05	547	377.00	296
329.00	358	346.00	4750	360.90	59	383.05	3209
331.10	62	347.00	777	363.90	148	384.00	977
332.05	1604	348.00	51	365.00	29459	384.90	89
333.00	1912	349.90	64	366.00	4128	385.05	197
334.10	13999	351.05	403	366.95	326	390.05	1451
335.05	3609	352.10	6019	369.95	575	391.05	1017
336.05	342	353.05	4213	371.00	1747	392.05	662

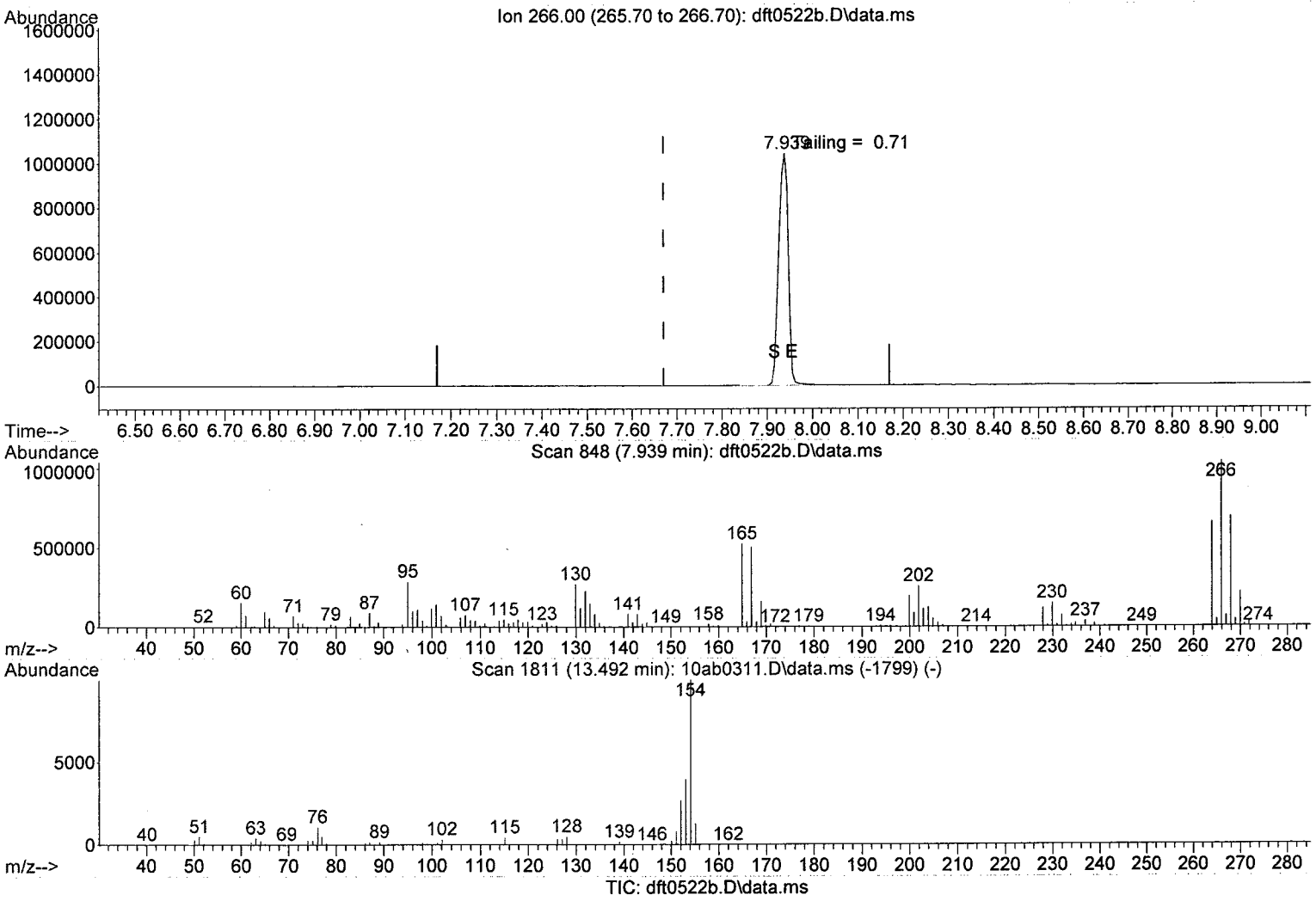
Average of 8.511 to 8.523 min.: dft0522b.D\data.ms
dft0522b
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
393.00	51	423.10	41349	443.10	159432		
397.00	56	424.10	8832	444.05	14706		
401.00	602	425.05	832	445.05	842		
402.05	4776	432.30	62				
403.05	6678	433.70	53				
404.05	2412	434.70	50				
405.00	343	435.00	113				
410.05	232	435.90	52				
414.95	310	436.70	59				
421.05	5904	441.10	118579				
422.05	5140	442.10	794752				

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0522b.D
Acq On : 22 May 2012 2:16
Operator : JLB
Sample : dft0522b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:17:34 2012
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Feb 01 10:08:01 2012
Response via : Initial Calibration



TIC: dft0522b.D\data.ms

(1) Pentachlorophenol

7.939min (+ 0.269) 3.69 ng/uL

response 1543489

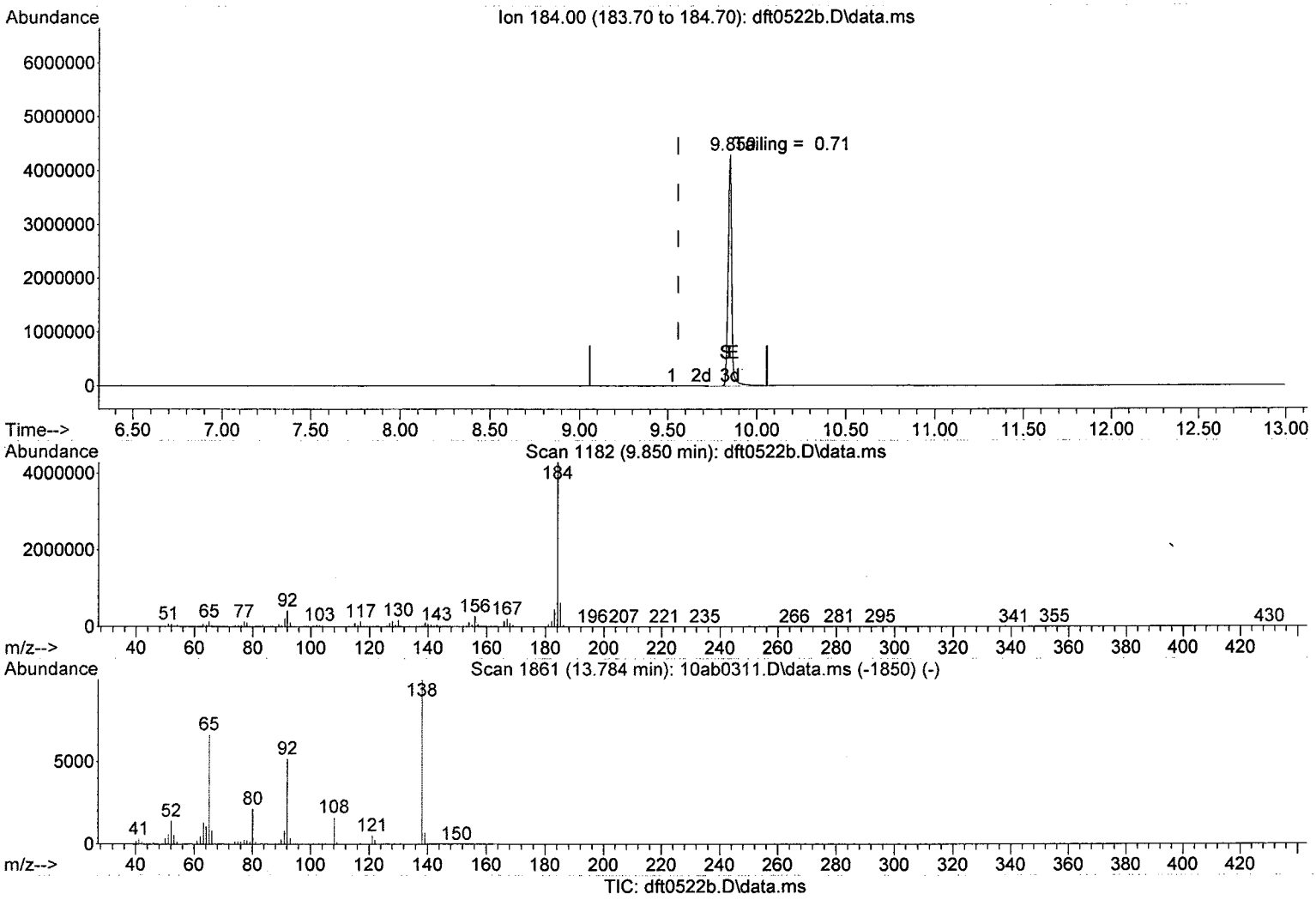
Ion	Exp%	Act%
266.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

00767

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0522b.D
Acq On : 22 May 2012 2:16
Operator : JLB
Sample : dft0522b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:17:34 2012
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Feb 01 10:08:01 2012
Response via : Initial Calibration



(2) Benzidine

9.850min (+ 0.292) 74.26 ng/uL m

response 6265827

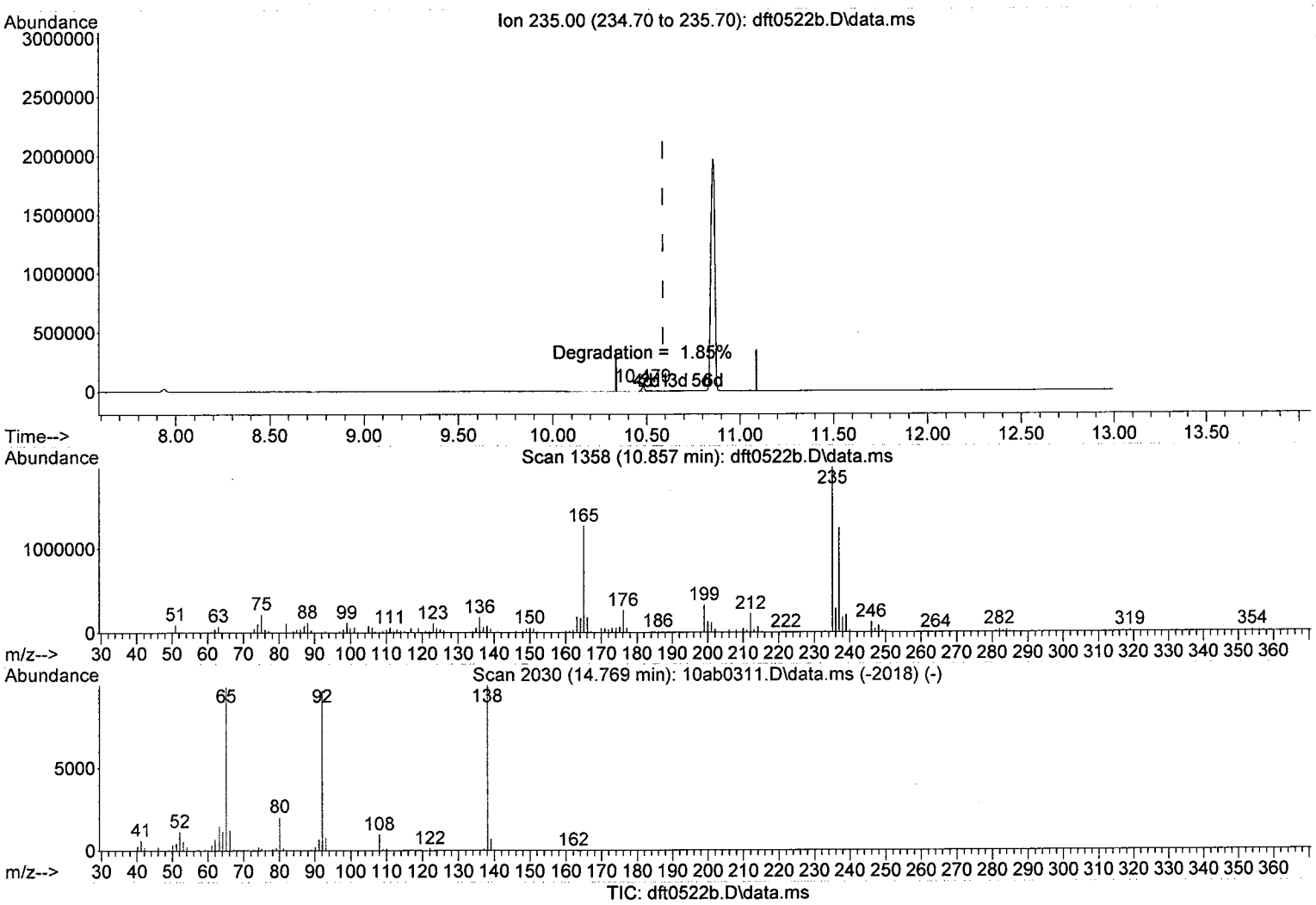
Ion	Exp%	Act%
184.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

00768

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\052112_339\
Data File : dft0522b.D
Acq On : 22 May 2012 2:16
Operator : JLB
Sample : dft0522b Inst : 339
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 22 11:17:34 2012
Quant Method : C:\msdchem\1\methods\tail&degrad.M
Quant Title : 8270/625 BNA
QLast Update : Wed Feb 01 10:08:01 2012
Response via : Initial Calibration



TIC: dft0522b.D\data.ms

(3) 4-DDT

10.857min (+ 0.269) 47.61 ng/uL m

response 3049044

Ion	Exp%	Act%
235.00	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

00769

METHOD BLANK DATA SHEET
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205517-BLK1 File ID: 1205517-blk1.D

Prepared: 05/04/12 12:38 Analyzed: 05/09/12 11:07

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1205517 Sequence: 2E11033 Calibration: 2E11005 Instrument: 308

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
83-32-9	Acenaphthene	5.0	ug/L	0.050	5.0	U
208-96-8	Acenaphthylene	5.0	ug/L	0.050	5.0	U
120-12-7	Anthracene	0.030	ug/L	0.018	5.0	J
56-55-3	Benzo(a)anthracene	1.0	ug/L	0.026	1.0	U
50-32-8	Benzo(a)pyrene	1.0	ug/L	0.040	1.0	U
205-99-2	Benzo(b)fluoranthene	1.0	ug/L	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	ug/L	0.026	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	ug/L	0.031	1.0	U
218-01-9	Chrysene	1.0	ug/L	0.031	1.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	ug/L	0.034	2.0	U
206-44-0	Fluoranthene	0.030	ug/L	0.017	1.0	J
86-73-7	Fluorene	5.0	ug/L	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	ug/L	0.024	2.0	U
91-57-6	2-Methylnaphthalene	5.0	ug/L	0.024	5.0	U
91-20-3	Naphthalene	5.0	ug/L	0.050	5.0	U
85-01-8	Phenanthrene	0.030	ug/L	0.024	2.0	J
129-00-0	Pyrene	0.040	ug/L	0.025	5.0	J

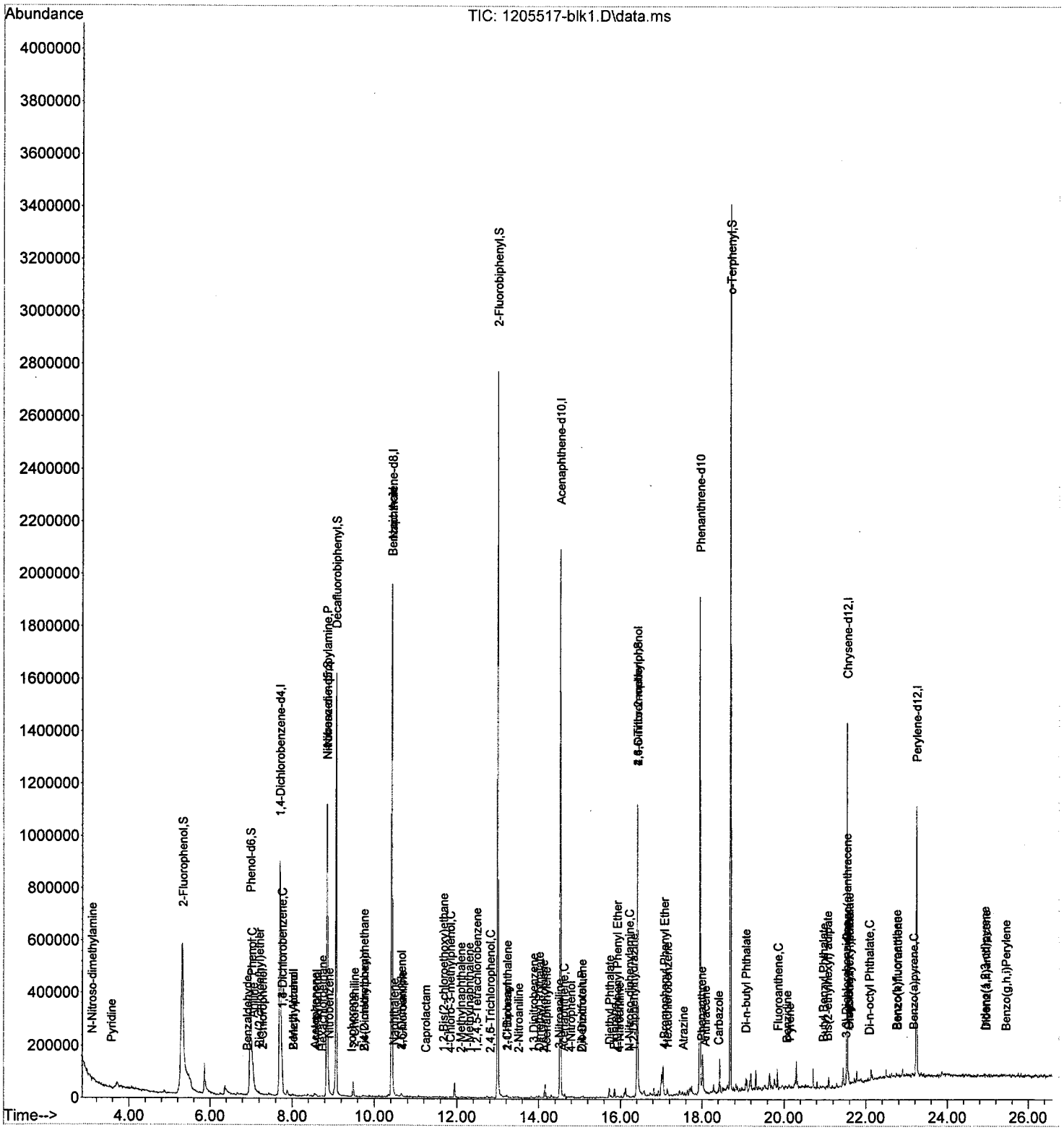
System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Nitrobenzene-d5	10.0	7.16	72	31 - 123	
2-Fluorobiphenyl	10.0	7.61	76	25 - 113	
o-Terphenyl	10.1	7.52	74	42 - 125	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Naphthalene-d8	1621312	10.431	106	10.541	
Acenaphthene-d10	788793	14.534	88	14.651	
Phenanthrene-d10	987138	17.95	71	18.043	
Chrysene-d12	541479	21.546	85	21.616	
Perylene-d12	566751	23.242	101	23.341	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



00771

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.709	152	391383	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.431	136	1621312	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.534	164	788793	5.00	ng/uL	0.00
67) Phenanthrene-d10	17.950	188	987138	5.00	ng/uL	0.00
82) Chrysene-d12	21.546	240	541479	5.00	ng/uL	# 0.00
93) Perylene-d12	23.242	264	566751	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.325	112	892706	8.31	ng/uL	0.00
7) Phenol-d6	6.998	99	644255	5.34	ng/uL	-0.01
22) Nitrobenzene-d5	8.857	82	823115	7.16	ng/uL	0.00
24) Decafluorobiphenyl	9.078	334	568455	6.61	ng/uL	0.00
48) 2-Fluorobiphenyl	13.001	172	1448848	7.61	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.423	330	177627	13.83	ng/uL	0.00
79) o-Terphenyl	18.702	230	768538	7.52	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.092	74	2198	0.00	ng/uL	92
3) Pyridine	3.570	79	1171	0.01	ng/uL#	29
5) Aniline	7.062	93	3531	0.22	ng/uL#	33
6) Benzaldehyde	6.916	105	208	0.35	ng/uL#	1
8) Phenol	7.021	94	5295	0.03	ng/uL#	1
9) Bis(2-chloroethyl)ether	7.207	93	256	0.00	ng/uL	100
10) 2-Chlorophenol	7.277	128	1109	0.01	ng/uL#	68
11) 1,3-Dichlorobenzene	7.755	146	89	0.00	ng/uL#	1
12) 1,4-Dichlorobenzene	7.755	146	89	0.00	ng/uL#	1
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Bis(2-chloroisipropyl)...	8.315	45	527	Below Cal	#	51
15) Benzyl Alcohol	8.023	108	1662	0.02	ng/uL	78
16) 2-Methylphenol	8.023	108	1662	0.02	ng/uL#	6
17) Acetophenone	8.560	105	4202	0.03	ng/uL#	81
18) Hexachloroethane	8.740	119	112	0.00	ng/uL#	39
19) 4-Methylphenol	8.601	107	705	0.01	ng/uL#	61
20) N-Nitroso-di-n-propyla...	8.857	70	125544	1.57	ng/uL#	3
23) Nitrobenzene	8.904	77	362	0.00	ng/uL#	58
25) Isophorone	9.451	82	1317	0.01	ng/uL#	58
26) 2-Chloroaniline	9.516	127	512	0.00	ng/uL#	77
27) 2-Nitrophenol	0.000		0	N.D.		
28) 2,4-Dimethylphenol	9.755	107	1063	0.01	ng/uL#	22
29) Bis(2-chlorethoxy)methane	9.749	93	73	0.00	ng/uL	90
30) 2,4-Dichlorophenol	0.000		0	N.D.		
31) Benzoic Acid	10.425	105	2766	2.10	ng/uL#	1
32) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) Naphthalene	10.477	128	1620	0.00	ng/uL#	1
34) 4-Chloroaniline	10.670	127	864	0.40	ng/uL#	50
35) 2,6-Dichlorophenol	10.646	162	118	0.00	ng/uL#	1
36) Hexachlorobutadiene	0.000		0	N.D.		
37) Caprolactam	11.241	55	1046	0.88	ng/uL#	31
38) 1,2-Bis(2-chloroethoxy...	11.672	63	360	0.00	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.835	107	461	0.01	ng/uL#	83
40) 2-Methylnaphthalene	12.092	142	532	0.00	ng/uL#	65
41) 1-Methylnaphthalene	12.296	142	572	0.00	ng/uL#	29

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	13.875	168	79	0.53 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.482	216	112	0.00 ng/uL#	20
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	12.809	196	124	0.00 ng/uL#	4
47) 2,4,5-Trichlorophenol	12.809	196	124	0.00 ng/uL#	3
49) 2-Chloronaphthalene	13.228	162	801	0.00 ng/uL#	54
50) 1,1'-Biphenyl	13.223	154	3430	0.02 ng/uL#	85
51) 2-Nitroaniline	13.508	138	253	0.20 ng/uL#	17
52) Acenaphthylene	14.184	152	1805	0.01 ng/uL#	55
53) 2,6-Dinitrotoluene	14.114	165	265	0.01 ng/uL#	78
54) Dimethyl Phthalate	14.009	163	3580	0.02 ng/uL#	66
55) 3-Nitroaniline	14.499	138	973	0.11 ng/uL#	64
56) Acenaphthene	14.616	153	774	0.00 ng/uL#	74
57) 2,4-Dinitrophenol	0.000		0	N.D.	
58) Dibenzofuran	15.047	168	1490	0.01 ng/uL#	75
59) 4-Nitrophenol	14.785	65	123	1.19 ng/uL#	1
60) 2,4-Dinitrotoluene	15.059	165	738	0.10 ng/uL#	81
61) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
63) Fluorene	15.845	166	1138	0.01 ng/uL#	21
64) Diethyl Phthalate	15.729	149	12253	0.08 ng/uL	96
65) 4-Chlorophenyl Phenyl ...	15.921	204	558	0.01 ng/uL#	51
66) 4-Nitroaniline	15.968	138	313	0.12 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.423	198	671	0.82 ng/uL#	1
69) N-Nitroso-diphenylamine	16.213	169	1778	0.02 ng/uL	94
70) 1,2-Diphenylhydrazine	16.318	182	382	0.01 ng/uL#	1
72) 4-Bromophenyl Phenyl E...	17.075	248	171	0.00 ng/uL#	1
73) Hexachlorobenzene	17.145	284	204	0.00 ng/uL#	1
74) Atrazine	17.536	200	333	0.11 ng/uL#	25
75) Pentachlorophenol	0.000		0	N.D.	
76) Phenanthrene	17.990	178	5006	0.03 ng/uL#	84
77) Anthracene	18.084	178	5106	0.03 ng/uL	96
78) Carbazole	18.404	167	4782	0.03 ng/uL#	85
80) Di-n-butyl Phthalate	19.075	149	24841	0.24 ng/uL	97
81) Fluoroanthene	19.850	202	4956	0.03 ng/uL#	79
83) Benzidine	20.065	184	1931	0.13 ng/uL#	64
84) Pyrene	20.135	202	6722	0.04 ng/uL	97
85) Butyl Benzyl Phthalate	20.963	149	2431	0.08 ng/uL	95
86) Bis(2-ethylhexyl) adipate	21.062	129	1965	0.10 ng/uL#	100
87) Benzo(a)anthracene	21.534	228	4659	0.03 ng/uL#	1
88) 3,3'-Dichlorobenzidine	21.517	252	866	0.03 ng/uL	94
89) Chrysene	21.569	228	2878	0.02 ng/uL#	43
90) Bis(2-ethylhexyl)phtha...	21.587	149	10173	0.22 ng/uL#	84
91) Dicyclohexyl Phthalate	21.587	149	11298	0.11 ng/uL#	100
92) Di-n-octyl Phthalate	22.082	149	919	0.22 ng/uL	95
94) Benzo(b)fluoroanthene	22.747	252	2671	0.02 ng/uL#	90
95) Benzo(k)fluoranthene	22.770	252	2699	0.02 ng/uL#	85
96) Benzo(a)pyrene	23.172	252	2621	0.02 ng/uL	96
97) Indeno(1,2,3-cd)pyrene	24.927	276	982	0.01 ng/uL#	67
98) Dibenz(a,h)anthracene	24.956	278	869	0.01 ng/uL#	60
99) Benzo(g,h,i)Perylene	25.445	276	850	0.01 ng/uL#	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

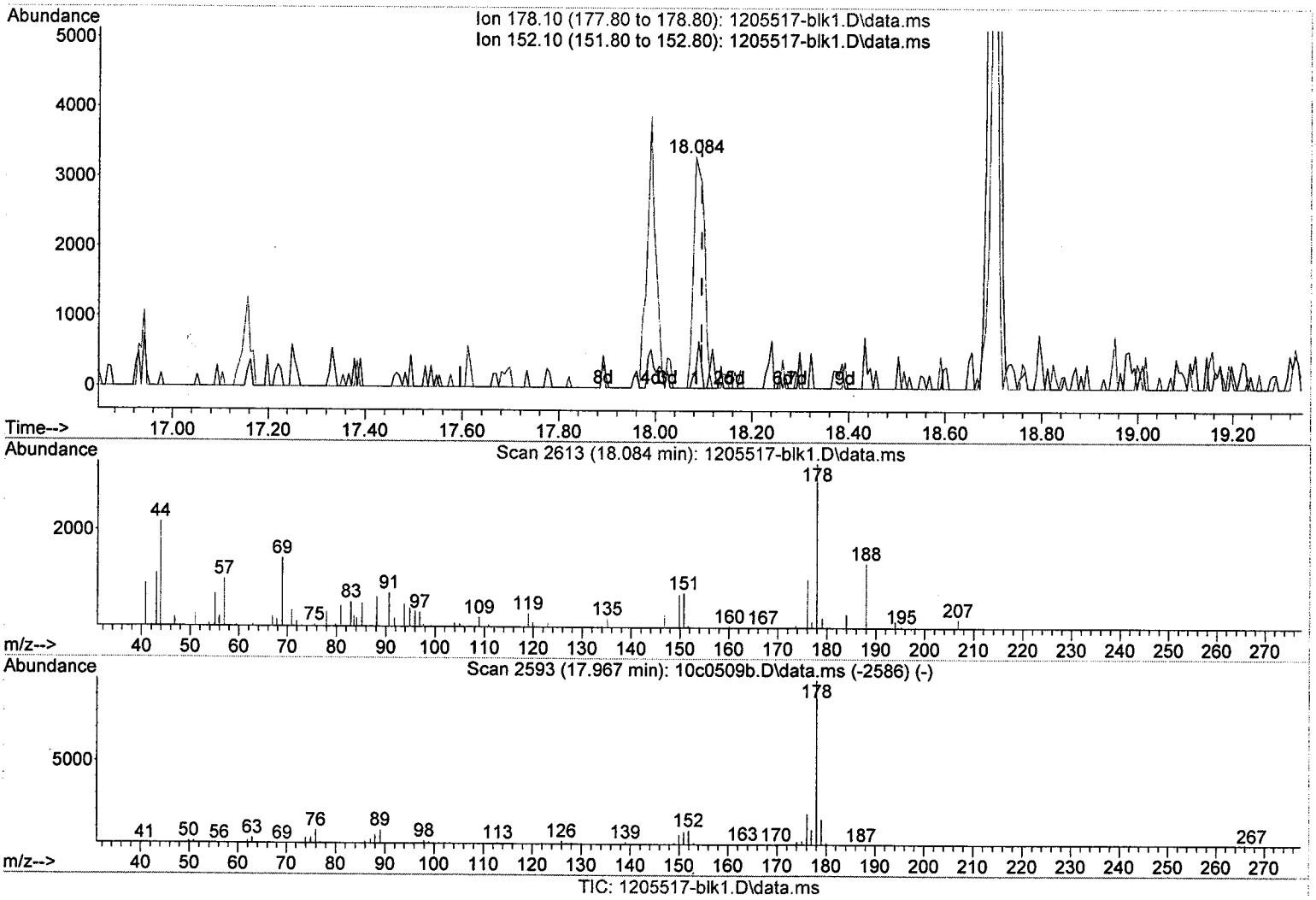
(#) = qualifier out of range (m) = manual integration (+) = signals summed

00774

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205517-blk1.D\data.ms

(77) Anthracene

18.084min (-0.012) 0.03 ng/uL

response 5106

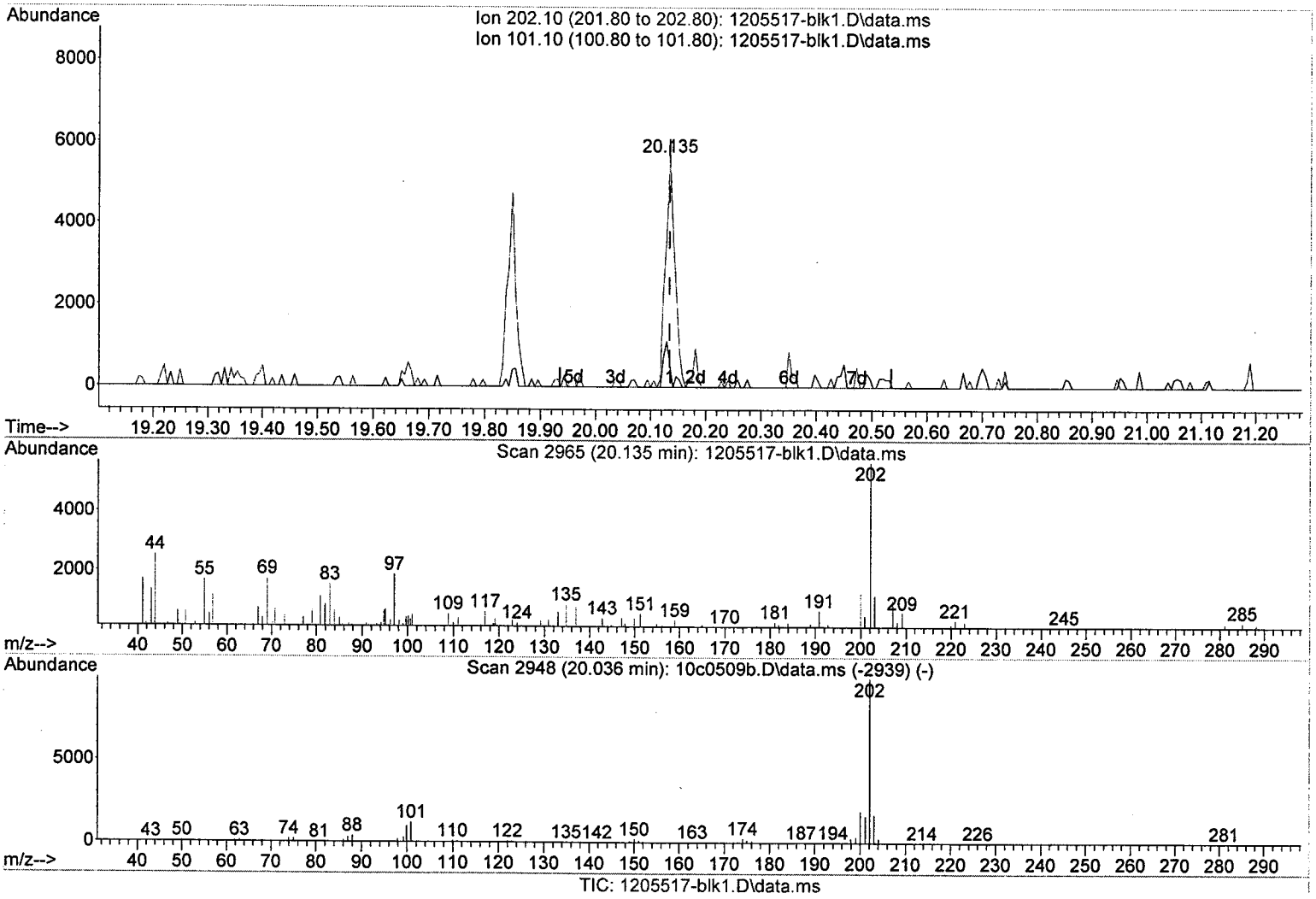
Ion	Exp%	Act%
178.10	100	100
152.10	7.90	9.20
0.00	0.00	0.00
0.00	0.00	0.00

00775

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205517-blk1.D\data.ms

(84) Pyrene

20.135min (-0.000) 0.04 ng/uL

response 6722

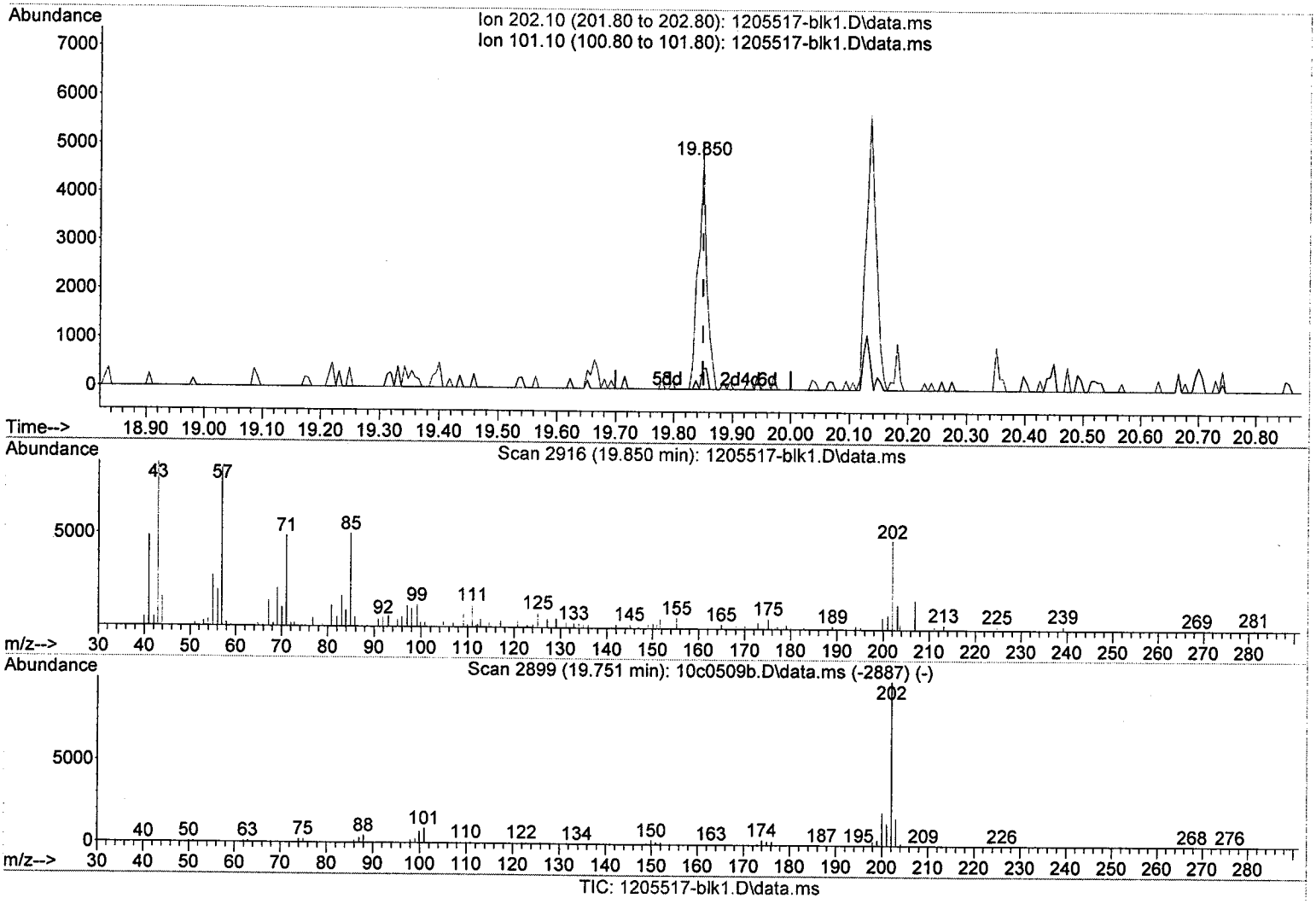
Ion	Exp%	Act%
202.10	100	100
101.10	16.00	14.56
0.00	0.00	0.00
0.00	0.00	0.00

00776

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205517-blk1.D\data.ms

(81) Fluoroanthene (C)

19.850min (-0.000) 0.03 ng/uL

response 4956

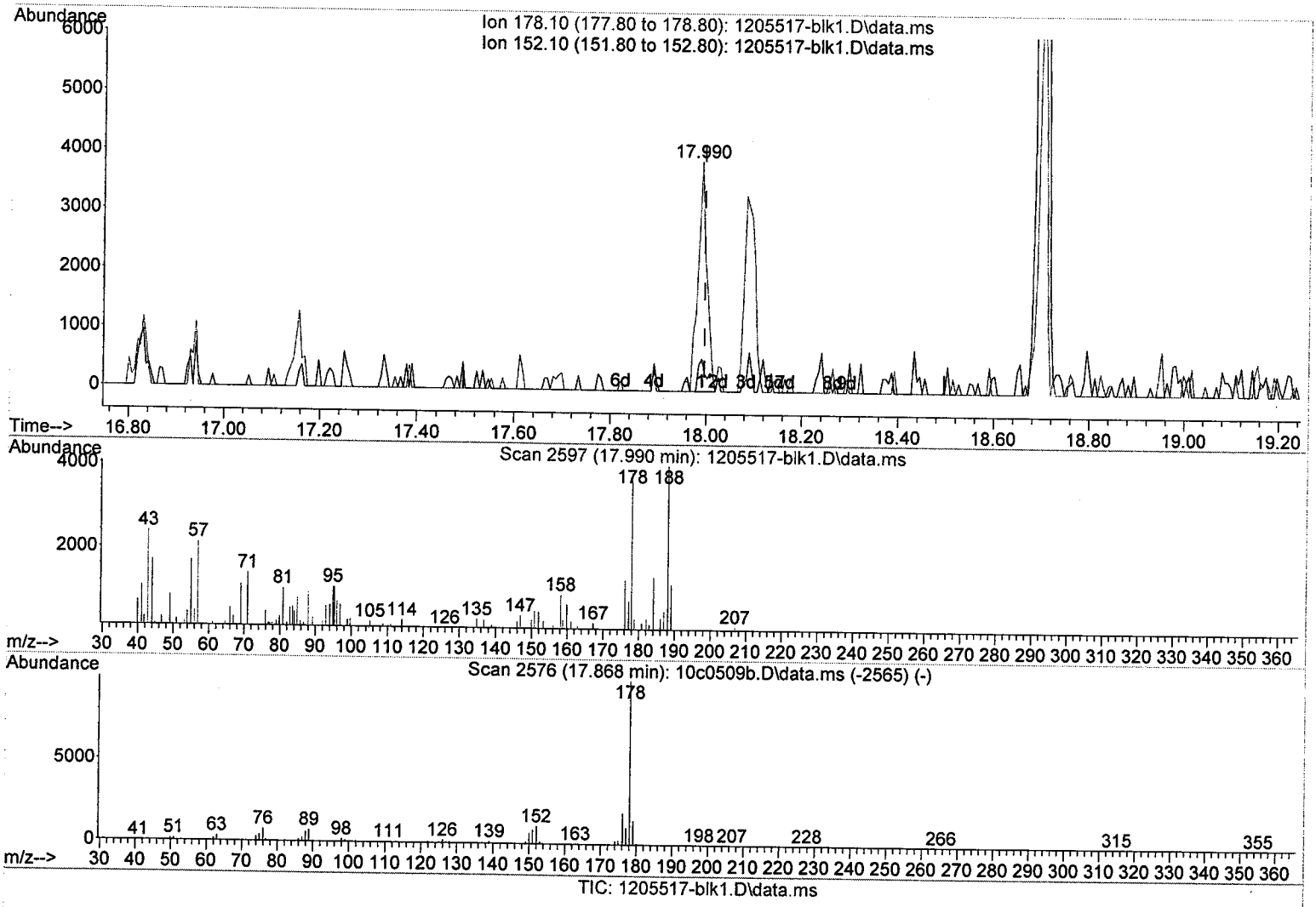
Ion	Exp%	Act%
202.10	100	100
101.10	16.20	7.22#
0.00	0.00	0.00
0.00	0.00	0.00

00777

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-blk1.D
Acq On : 9 May 2012 11:07
Operator : JLB
Sample : 1205517-blk1 Inst : 308
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 10 11:09:12 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



TIC: 1205517-blk1.D\data.ms

(76) Phenanthrene

17.990min (-0.006) 0.03 ng/uL

response 5006

Ion	Exp%	Act%
178.10	100	100
152.10	10.10	16.00#
0.00	0.00	0.00
0.00	0.00	0.00

00778

METHOD BLANK DATA SHEET
USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM050112

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205838-BLK1 File ID: 1205838-blk1.D

Prepared: 05/09/12 08:36 Analyzed: 05/22/12 03:08

Preparation: 3510C Liquid-Liquid Ext Initial/Final: 1000 mL / 1 mL

QC Batch: 1205838 Sequence: 2E22051 Calibration: 2E22022 Instrument: 339

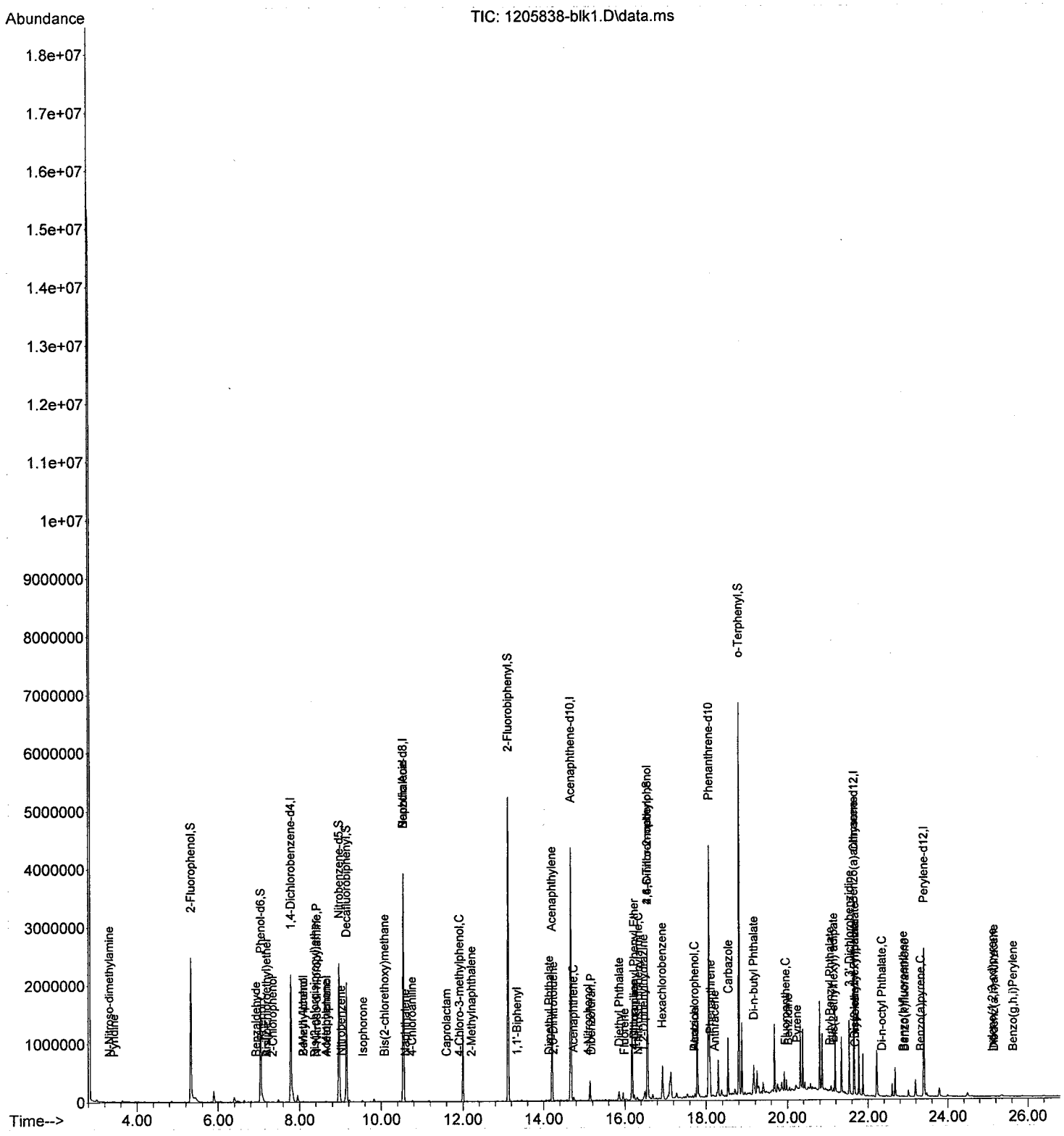
CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
83-32-9	Acenaphthene	5.0	ug/L	0.050	5.0	U
208-96-8	Acenaphthylene	5.0	ug/L	0.050	5.0	U
120-12-7	Anthracene	5.0	ug/L	0.018	5.0	U
56-55-3	Benzo(a)anthracene	1.0	ug/L	0.026	1.0	U
50-32-8	Benzo(a)pyrene	1.0	ug/L	0.040	1.0	U
205-99-2	Benzo(b)fluoranthene	1.0	ug/L	0.071	1.0	U
191-24-2	Benzo(g,h,i)perylene	1.0	ug/L	0.026	1.0	U
207-08-9	Benzo(k)fluoranthene	1.0	ug/L	0.031	1.0	U
218-01-9	Chrysene	1.0	ug/L	0.031	1.0	U
53-70-3	Dibenz(a,h)anthracene	2.0	ug/L	0.034	2.0	U
206-44-0	Fluoranthene	1.0	ug/L	0.017	1.0	U
86-73-7	Fluorene	5.0	ug/L	0.022	5.0	U
193-39-5	Indeno(1,2,3-cd)pyrene	2.0	ug/L	0.024	2.0	U
91-57-6	2-Methylnaphthalene	5.0	ug/L	0.024	5.0	U
91-20-3	Naphthalene	5.0	ug/L	0.050	5.0	U
85-01-8	Phenanthrene	2.0	ug/L	0.024	2.0	U
129-00-0	Pyrene	5.0	ug/L	0.025	5.0	U

System Monitoring Compound	Added (ug/L)	Conc. (ug/L)	% REC	QC Limits	Q
Nitrobenzene-d5	10.0	8.29	83	31 - 123	
2-Fluorobiphenyl	10.0	8.68	87	25 - 113	
o-Terphenyl	10.1	9.16	91	42 - 125	

Internal Standard	Area	RT	% REC	Ref. RT	Q
Naphthalene-d8	3406165	10.545	144	10.551	
Acenaphthene-d10	1843092	14.671	138	14.677	
Phenanthrene-d10	2547486	18.069	131	18.075	
Chrysene-d12	1245948	21.654	134	21.66	
Perylene-d12	1307969	23.397	140	23.397	

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-blk1.D
Acq On : 22 May 2012 3:08
Operator : JLB
Sample : 1205838-blk1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 11:19:58 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration



00780

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-blk1.D
Acq On : 22 May 2012 3:08
Operator : JLB
Sample : 1205838-blk1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 11:19:58 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.788	152	771278	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.545	136	3406165	5.00	ng/uL	# 0.00
43) Acenaphthene-d10	14.671	164	1843092	5.00	ng/uL	0.00
67) Phenanthrene-d10	18.069	188	2547486	5.00	ng/uL	0.00
82) Chrysene-d12	21.654	240	1245948	5.00	ng/uL	# 0.00
93) Perylene-d12	23.397	264	1307969	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.322	112	1623391	8.36	ng/uL	-0.01
7) Phenol-d6	7.047	99	1336508	5.70	ng/uL	-0.02
22) Nitrobenzene-d5	8.965	82	1445642	8.29	ng/uL	-0.01
24) Decafluorobiphenyl	9.146	334	1036996	8.30	ng/uL	0.00
48) 2-Fluorobiphenyl	13.127	172	3017676	8.68	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.560	330	511021	14.42	ng/uL	-0.01
79) o-Terphenyl	18.804	230	1713504	9.16	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.311	74	107	0.00	ng/uL#	1
3) Pyridine	3.434	79	683	0.00	ng/uL#	54
5) Aniline	7.193	93	154	0.05	ng/uL#	33
6) Benzaldehyde	6.937	105	2316	0.55	ng/uL#	1
8) Phenol	7.071	94	4165	0.02	ng/uL#	1
9) Bis(2-chloroethyl)ether	7.193	93	154	0.00	ng/uL	100
10) 2-Chlorophenol	7.345	128	1061	0.01	ng/uL#	43
11) 1,3-Dichlorobenzene	0.000		0	N.D.		
12) 1,4-Dichlorobenzene	0.000		0	N.D.		
13) 1,2-Dichlorobenzene	0.000		0	N.D.		
14) Bis(2-chloroisipropyl)...	8.376	45	181	0.00	ng/uL#	51
15) Benzyl Alcohol	8.091	108	4271	0.12	ng/uL	82
16) 2-Methylphenol	8.091	108	4271	0.02	ng/uL#	75
17) Acetophenone	8.650	105	4630	0.02	ng/uL	97
18) Hexachloroethane	0.000		0	N.D.		
19) 4-Methylphenol	8.662	107	165	0.00	ng/uL#	1
20) N-Nitroso-di-n-propyla...	8.417	70	439	0.00	ng/uL	89
23) Nitrobenzene	9.012	77	53	0.00	ng/uL#	30
25) Isophorone	9.554	82	833	0.00	ng/uL#	78
26) 2-Chloroaniline	0.000		0	N.D.		
27) 2-Nitrophenol	0.000		0	N.D.		
28) 2,4-Dimethylphenol	0.000		0	N.D.		
29) Bis(2-chlorethoxy)methane	10.084	93	69	0.00	ng/uL#	16
30) 2,4-Dichlorophenol	0.000		0	N.D.		
31) Benzoic Acid	10.545	105	4443	1.48	ng/uL#	1
32) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
33) Naphthalene	10.591	128	1184	0.00	ng/uL#	1
34) 4-Chloroaniline	10.749	127	212	0.00	ng/uL#	27
35) 2,6-Dichlorophenol	0.000		0	N.D.		
36) Hexachlorobutadiene	0.000		0	N.D.		
37) Caprolactam	11.594	55	1971	0.53	ng/uL#	21
38) 1,2-Bis(2-chloroethoxy...	0.000		0	N.D.		
39) 4-Chloro-3-methylphenol	11.914	107	937	0.09	ng/uL#	81
40) 2-Methylnaphthalene	12.206	142	149	0.00	ng/uL#	74
41) 1-Methylnaphthalene	0.000		0	N.D.		

00781

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-blk1.D
Acq On : 22 May 2012 3:08
Operator : JLB
Sample : 1205838-blk1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 11:19:58 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	0.000		0	N.D.	
44) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	0.000		0	N.D.	
47) 2,4,5-Trichlorophenol	0.000		0	N.D.	
49) 2-Chloronaphthalene	0.000		0	N.D.	
50) 1,1'-Biphenyl	13.342	154	5938	0.02 ng/uL	95
51) 2-Nitroaniline	0.000		0	N.D.	
52) Acenaphthylene	14.205	152	60	0.00 ng/uL#	1
53) 2,6-Dinitrotoluene	14.240	165	1135	0.26 ng/uL#	31
54) Dimethyl Phthalate	14.141	163	7596	0.02 ng/uL	96
55) 3-Nitroaniline	0.000		0	N.D.	
56) Acenaphthene	14.735	153	61	0.00 ng/uL#	1
57) 2,4-Dinitrophenol	0.000		0	N.D.	
58) Dibenzofuran	15.167	168	589	0.00 ng/uL	90
59) 4-Nitrophenol	15.097	65	192	0.10 ng/uL#	19
60) 2,4-Dinitrotoluene	0.000		0	N.D.	
61) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62) 2,3,4,6-Tetrachlorophenol	0.000		0	N.D.	
63) Fluorene	15.989	166	704	0.00 ng/uL#	1
64) Diethyl Phthalate	15.860	149	83878	0.28 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.233	204	2444	0.02 ng/uL#	17
66) 4-Nitroaniline	16.228	138	710	0.51 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.560	198	1050	0.91 ng/uL#	1
69) N-Nitroso-diphenylamine	16.332	169	833	0.00 ng/uL#	44
70) 1,2-Diphenylhydrazine	16.467	182	3676	0.04 ng/uL#	30
72) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
73) Hexachlorobenzene	16.921	284	751	0.01 ng/uL#	27
74) Atrazine	17.720	200	177	0.21 ng/uL#	25
75) Pentachlorophenol	17.714	266	1532	0.52 ng/uL#	51
76) Phenanthrene	18.110	178	5738	0.01 ng/uL	100
77) Anthracene	18.209	178	1038	0.00 ng/uL#	47
78) Carbazole	18.542	167	21889	0.06 ng/uL#	72
80) Di-n-butyl Phthalate	19.165	149	298117	0.71 ng/uL	100
81) Fluoroanthene	19.952	202	2600	0.01 ng/uL#	83
83) Benzidine	20.016	184	302	0.03 ng/uL#	71
84) Pyrene	20.238	202	4037	0.01 ng/uL#	83
85) Butyl Benzyl Phthalate	21.054	149	1740	0.93 ng/uL	99
86) Bis(2-ethylhexyl) adipate	21.141	129	6475	0.89 ng/uL#	100
87) Benzo(a)anthracene	21.648	228	4448	0.02 ng/uL#	1
88) 3,3'-Dichlorobenzidine	21.537	252	678	1.68 ng/uL#	51
89) Chrysene	21.683	228	1133	0.00 ng/uL#	1
90) Bis(2-ethylhexyl)phtha...	21.671	149	22368	0.66 ng/uL#	85
91) Dicyclohexyl Phthalate	21.671	149	22368	0.54 ng/uL#	100
92) Di-n-octyl Phthalate	22.342	149	562	1.57 ng/uL	99
94) Benzo(b)fluoroanthene	22.878	252	~~1188~~ lin pp	~~0.32~~ ng/uL#	86
95) Benzo(k)fluoranthene	22.919	252	1038	0.00 ng/uL#	1
96) Benzo(a)pyrene	23.315	252	794 lin pp	~~0.35~~ ng/uL	96
97) Indeno(1,2,3-cd)pyrene	25.110	276	1074	0.01 ng/uL	98
98) Dibdenz(a,h)anthracene	25.151	278	652	0.00 ng/uL#	79
99) Benzo(g,h,i)Perylene	25.623	276	932	0.01 ng/uL#	74

00782

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-blk1.D
Acq On : 22 May 2012 3:08
Operator : JLB
Sample : 1205838-blk1 Inst : 339
ALS Vial : 22 Sample Multiplier: 1

Quant Time: May 22 11:19:58 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205517

SDG: KNM050112

Project: KNM

Laboratory ID: 1205517-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2E11033

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	10.0	6.86	69	53 - 126	ug/L
Naphthalene	10.1	6.67	66	50 - 127	ug/L
Pyrene	10.0	7.07	71	60 - 134	ug/L

Column to be used to flag recovery and RPD values with an asterisk

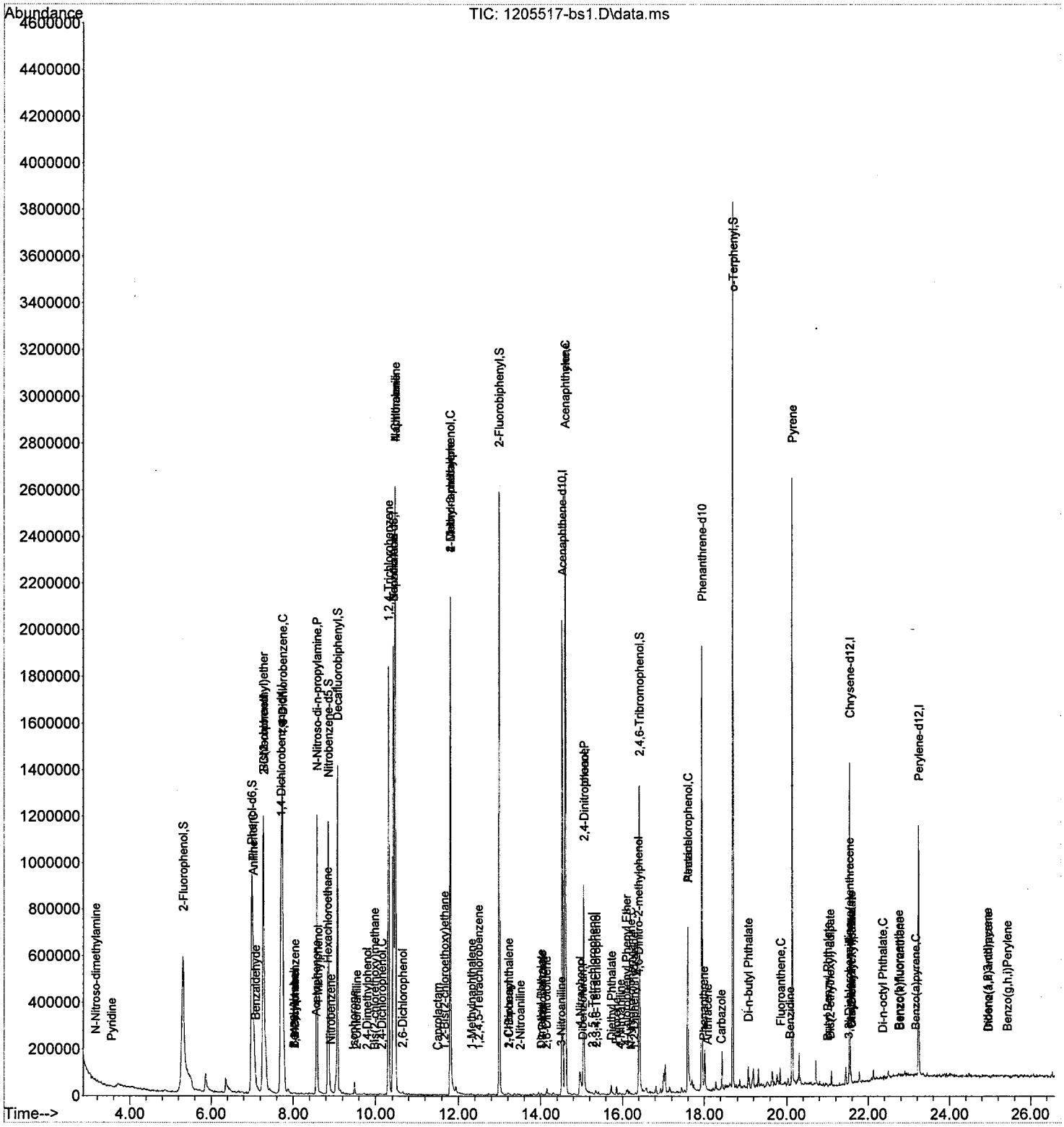
* Values outside of QC limits

00784

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bs1.D
Acq On : 9 May 2012 11:42
Operator : JLB
Sample : 1205517-bs1 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:10 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



00785

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bs1.D
Acq On : 9 May 2012 11:42
Operator : JLB
Sample : 1205517-bs1 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:10 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.709	152	377454	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.431	136	1574133	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.534	164	781771	5.00	ng/uL	0.00
67) Phenanthrene-d10	17.950	188	1002728	5.00	ng/uL	0.00
82) Chrysene-d12	21.546	240	552439	5.00	ng/uL	# 0.00
93) Perylene-d12	23.242	264	590789	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.319	112	925165	8.90	ng/uL	-0.01
7) Phenol-d6	6.998	99	734455	6.32	ng/uL	-0.01
22) Nitrobenzene-d5	8.857	82	778552	6.98	ng/uL	0.00
24) Decafluorobiphenyl	9.078	334	510092	6.11	ng/uL	0.00
48) 2-Fluorobiphenyl	13.001	172	1352914	7.17	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.422	330	219867	16.86	ng/uL	0.00
79) o-Terphenyl	18.701	230	858092	8.27	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.157	74	6095	0.06	ng/uL#	49
3) Pyridine	3.547	79	1557	0.01	ng/uL#	73
5) Aniline	7.027	93	14157	0.33	ng/uL#	1
6) Benzaldehyde	7.085	105	144	0.25	ng/uL#	1
8) Phenol	7.021	94	611200	4.08	ng/uL	88
9) Bis(2-chloroethyl)ether	7.277	93	21626	0.20	ng/uL	100
10) 2-Chlorophenol	7.283	128	1036122	9.58	ng/uL#	72
11) 1,3-Dichlorobenzene	7.744	146	635772	4.88	ng/uL	98
12) 1,4-Dichlorobenzene	7.744	146	794391	5.92	ng/uL	96
13) 1,2-Dichlorobenzene	8.035	146	795	0.01	ng/uL#	47
14) Bis(2-chloroisipropyl)...	8.327	45	112	Below Cal	#	51
15) Benzyl Alcohol	8.012	108	375	0.01	ng/uL#	1
16) 2-Methylphenol	8.029	108	664	0.01	ng/uL#	1
17) Acetophenone	8.560	105	3122	0.02	ng/uL#	78
18) Hexachloroethane	8.839	119	123	0.00	ng/uL#	3
19) 4-Methylphenol	8.606	107	119	0.00	ng/uL#	1
20) N-Nitroso-di-n-propyla...	8.583	70	490417	6.35	ng/uL	98
23) Nitrobenzene	8.915	77	556	0.00	ng/uL#	30
25) Isophorone	9.457	82	621	0.00	ng/uL#	58
26) 2-Chloroaniline	9.539	127	678	0.01	ng/uL#	62
27) 2-Nitrophenol	0.000		0	N.D.		
28) 2,4-Dimethylphenol	9.795	107	92	0.00	ng/uL#	31
29) Bis(2-chlorethoxy)methane	9.976	93	99	0.00	ng/uL#	16
30) 2,4-Dichlorophenol	10.151	162	294	0.00	ng/uL#	86
31) Benzoic Acid	10.431	105	2294	2.09	ng/uL#	1
32) 1,2,4-Trichlorobenzene	10.314	180	635900	6.00	ng/uL	99
33) Naphthalene	10.477	128	2157825	6.67	ng/uL	95
34) 4-Chloroaniline	10.477	127	260521	3.36	ng/uL	95
35) 2,6-Dichlorophenol	10.646	162	130	0.00	ng/uL#	1
36) Hexachlorobutadiene	0.000		0	N.D.		
37) Caprolactam	11.497	55	1006	0.88	ng/uL#	40
38) 1,2-Bis(2-chloroethoxy...	11.661	63	285	0.00	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.812	107	778753	10.46	ng/uL	95
40) 2-Methylnaphthalene	11.812	142	610832	2.96	ng/uL#	25
41) 1-Methylnaphthalene	12.313	142	2741	0.01	ng/uL#	40

00786

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bs1.D
Acq On : 9 May 2012 11:42
Operator : JLB
Sample : 1205517-bs1 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:10 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.039	168	58	0.53 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.488	216	166	0.00 ng/uL#	20
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	0.000		0	N.D.	
47) 2,4,5-Trichlorophenol	0.000		0	N.D.	
49) 2-Chloronaphthalene	13.223	162	893	0.01 ng/uL	93
50) 1,1'-Biphenyl	13.223	154	4403	0.02 ng/uL#	84
51) 2-Nitroaniline	13.502	138	346	0.20 ng/uL#	4
52) Acenaphthylene	14.610	152	546553	2.09 ng/uL#	69
53) 2,6-Dinitrotoluene	14.138	165	540	0.02 ng/uL#	2
54) Dimethyl Phthalate	14.015	163	2887	0.02 ng/uL#	62
55) 3-Nitroaniline	14.499	138	357	0.09 ng/uL#	1
56) Acenaphthene	14.610	153	1149173	6.86 ng/uL	98
57) 2,4-Dinitrophenol	15.064	184	139	2.72 ng/uL#	1
58) Dibenzofuran	15.029	168	5577	0.03 ng/uL#	1
59) 4-Nitrophenol	14.971	65	54531	3.19 ng/uL	87
60) 2,4-Dinitrotoluene	15.064	165	252605	5.62 ng/uL	90
61) 2,3,5,6-Tetrachlorophenol	15.268	232	152	0.17 ng/uL#	80
62) 2,3,4,6-Tetrachlorophenol	15.362	232	2415	0.20 ng/uL#	79
63) Fluorene	15.851	166	1215	0.01 ng/uL#	61
64) Diethyl Phthalate	15.729	149	16068	0.11 ng/uL	92
65) 4-Chlorophenyl Phenyl ...	16.096	204	108	0.00 ng/uL#	1
66) 4-Nitroaniline	15.945	138	814	0.14 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.399	198	275	0.80 ng/uL#	1
69) N-Nitroso-diphenylamine	16.201	169	1846	0.02 ng/uL#	65
70) 1,2-Diphenylhydrazine	16.283	182	259	0.01 ng/uL#	1
72) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
73) Hexachlorobenzene	0.000		0	N.D.	
74) Atrazine	17.600	200	21970	0.78 ng/uL#	25
75) Pentachlorophenol	17.600	266	134105	6.40 ng/uL	97
76) Phenanthrene	17.990	178	4473	0.02 ng/uL#	60
77) Anthracene	18.084	178	3330	0.02 ng/uL	96
78) Carbazole	18.410	167	3837	0.03 ng/uL#	84
80) Di-n-butyl Phthalate	19.075	149	42541	0.33 ng/uL	99
81) Fluoroanthene	19.850	202	3730	0.02 ng/uL#	89
83) Benzidine	20.077	184	834	0.06 ng/uL#	68
84) Pyrene	20.141	202	1317617	7.07 ng/uL#	90
85) Butyl Benzyl Phthalate	21.004	149	469	0.05 ng/uL	85
86) Bis(2-ethylhexyl) adipate	21.056	129	2036	0.10 ng/uL#	100
87) Benzo(a)anthracene	21.534	228	3198	0.02 ng/uL#	1
88) 3,3'-Dichlorobenzidine	21.517	252	481	0.02 ng/uL#	64
89) Chrysene	21.569	228	2193	0.02 ng/uL#	1
90) Bis(2-ethylhexyl)phtha...	21.587	149	12059	0.23 ng/uL	97
91) Dicyclohexyl Phthalate	21.587	149	12059	0.11 ng/uL#	100
92) Di-n-octyl Phthalate	22.356	149	494	0.21 ng/uL	97
94) Benzo(b)fluoroanthene	22.747	252	1740	0.01 ng/uL#	85
95) Benzo(k)fluoranthene	22.776	252	1360	0.01 ng/uL#	48
96) Benzo(a)pyrene	23.166	252	1771	0.02 ng/uL#	89
97) Indeno(1,2,3-cd)pyrene	24.938	276	262	0.00 ng/uL#	46
98) Dibenz(a,h)anthracene	24.956	278	1415	0.02 ng/uL#	84
99) Benzo(g,h,i)Perylene	25.422	276	1597	0.02 ng/uL	96

00787

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bs1.D
Acq On : 9 May 2012 11:42
Operator : JLB
Sample : 1205517-bs1 Inst : 308
ALS Vial : 4 Sample Multiplier: 1

Quant Time: May 10 11:10:10 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00788

LCS / LCS DUPLICATE RECOVERY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM050112
Project: KNM
Laboratory ID: 1205517-BSD1
Preparation: 3510C Liquid-Liquid Extraction
Initial/Final: 1000 mL / 1 mL

QC Batch: 1205517
Sequence: 2E11033

Analyte	Spike Added ug/L	LCSD Conc.	LCSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	10.0	6.15	62	11	20	53 - 126	ug/L
Naphthalene	10.1	5.79	57	14	20	50 - 127	ug/L
Pyrene	10.0	6.30	63	12	20	60 - 134	ug/L

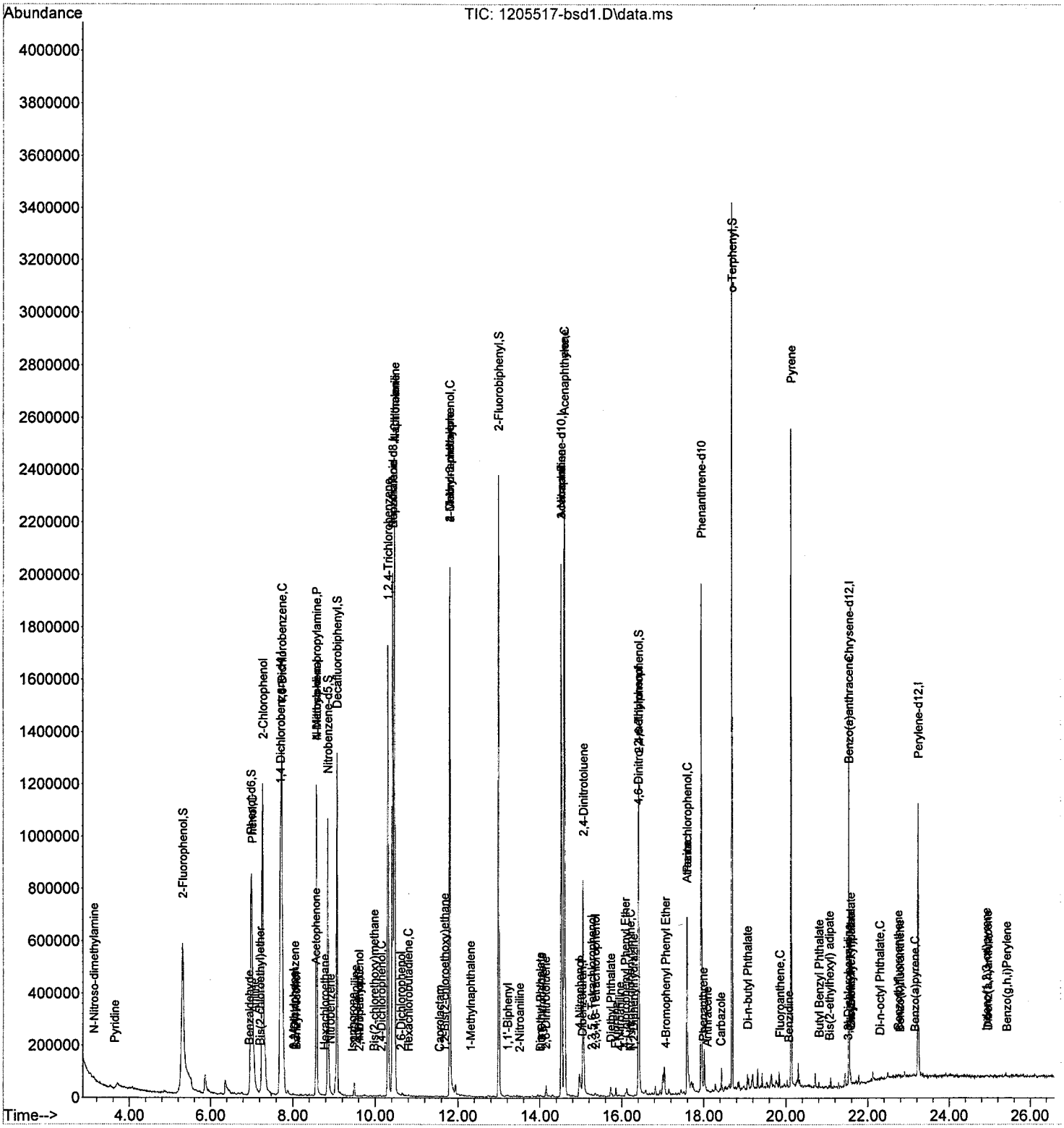
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bsd1.D
Acq On : 9 May 2012 12:17
Operator : JLB
Sample : 1205517-bsd1 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 11:10:32 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration



00790

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bsd1.D
Acq On : 9 May 2012 12:17
Operator : JLB
Sample : 1205517-bsd1 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 11:10:32 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.709	152	384016	5.00	ng/uL	# 0.00
21) Naphthalene-d8	10.431	136	1646633	5.00	ng/uL	0.00
43) Acenaphthene-d10	14.534	164	806362	5.00	ng/uL	0.00
67) Phenanthrene-d10	17.950	188	1030877	5.00	ng/uL	0.00
82) Chrysene-d12	21.546	240	556425	5.00	ng/uL	# 0.00
93) Perylene-d12	23.242	264	587374	5.00	ng/uL	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.313	112	886091	8.40	ng/uL	-0.02
7) Phenol-d6	6.998	99	667829	5.65	ng/uL	-0.01
22) Nitrobenzene-d5	8.857	82	740149	6.34	ng/uL	0.00
24) Decafluorobiphenyl	9.078	334	481504	5.51	ng/uL	0.00
48) 2-Fluorobiphenyl	13.001	172	1271666	6.53	ng/uL	0.00
71) 2,4,6-Tribromophenol	16.423	330	193084	14.40	ng/uL	0.00
79) o-Terphenyl	18.702	230	774598	7.26	ng/uL	0.00
Target Compounds						Qvalue
2) N-Nitroso-dimethylamine	3.127	74	5842	0.06	ng/uL#	28
3) Pyridine	3.635	79	1041	0.01	ng/uL#	25
5) Aniline	7.079	93	2463	0.21	ng/uL#	33
6) Benzaldehyde	6.951	105	213	0.37	ng/uL#	1
8) Phenol	7.021	94	572772	3.76	ng/uL	86
9) Bis(2-chloroethyl)ether	7.219	93	101	0.00	ng/uL	100
10) 2-Chlorophenol	7.283	128	989446	8.99	ng/uL#	73
11) 1,3-Dichlorobenzene	7.738	146	582417	4.40	ng/uL	98
12) 1,4-Dichlorobenzene	7.738	146	726685	5.32	ng/uL	96
13) 1,2-Dichlorobenzene	8.041	146	393	0.00	ng/uL#	34
14) Bis(2-chloroisipropyl)...	8.309	45	259	Below Cal	#	51
15) Benzyl Alcohol	8.076	108	503	0.01	ng/uL	100
16) 2-Methylphenol	8.018	108	1801	0.02	ng/uL#	80
17) Acetophenone	8.566	105	4493	0.03	ng/uL#	87
18) Hexachloroethane	8.775	119	192	0.00	ng/uL#	25
19) 4-Methylphenol	8.583	107	584	0.01	ng/uL#	1
20) N-Nitroso-di-n-propyla...	8.583	70	474545	6.04	ng/uL	96
23) Nitrobenzene	8.909	77	582	0.00	ng/uL#	30
25) Isophorone	9.440	82	901	0.00	ng/uL#	58
26) 2-Chloroaniline	9.510	127	390	0.00	ng/uL#	1
27) 2-Nitrophenol	9.609	139	229	0.12	ng/uL#	26
28) 2,4-Dimethylphenol	9.609	107	147	0.00	ng/uL#	5
29) Bis(2-chlorethoxy)methane	9.976	93	62	0.00	ng/uL#	16
30) 2,4-Dichlorophenol	10.145	162	519	0.01	ng/uL#	71
31) Benzoic Acid	10.431	105	2511	2.09	ng/uL#	1
32) 1,2,4-Trichlorobenzene	10.314	180	591067	5.33	ng/uL	99
33) Naphthalene	10.477	128	1959543	5.79	ng/uL	96
34) 4-Chloroaniline	10.477	127	240521	3.00	ng/uL	94
35) 2,6-Dichlorophenol	10.623	162	101	0.00	ng/uL#	1
36) Hexachlorobutadiene	10.798	225	78	0.00	ng/uL#	24
37) Caprolactam	11.556	55	645	0.87	ng/uL#	18
38) 1,2-Bis(2-chloroethoxy...	11.678	63	106	0.00	ng/uL#	100
39) 4-Chloro-3-methylphenol	11.812	107	745817	9.58	ng/uL	96
40) 2-Methylnaphthalene	11.812	142	574050	2.66	ng/uL#	25
41) 1-Methylnaphthalene	12.302	142	891	0.00	ng/uL#	69

00791

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bsd1.D
Acq On : 9 May 2012 12:17
Operator : JLB
Sample : 1205517-bsd1 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 11:10:32 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.050	168	61	0.53 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	0.000		0	N.D.	
47) 2,4,5-Trichlorophenol	0.000		0	N.D.	
49) 2-Chloronaphthalene	0.000		0	N.D.	
50) 1,1'-Biphenyl	13.211	154	3607	0.02 ng/uL#	66
51) 2-Nitroaniline	13.502	138	217	0.20 ng/uL#	38
52) Acenaphthylene	14.610	152	500343	1.86 ng/uL#	70
53) 2,6-Dinitrotoluene	14.144	165	352	0.01 ng/uL#	1
54) Dimethyl Phthalate	14.009	163	2291	0.01 ng/uL#	73
55) 3-Nitroaniline	14.534	138	236	0.08 ng/uL#	1
56) Acenaphthene	14.610	153	1063196	6.15 ng/uL	98
57) 2,4-Dinitrophenol	0.000		0	N.D.	
58) Dibenzofuran	15.035	168	5206	0.02 ng/uL#	37
59) 4-Nitrophenol	14.971	65	51124	3.01 ng/uL#	80
60) 2,4-Dinitrotoluene	15.064	165	237834	5.14 ng/uL	91
61) 2,3,5,6-Tetrachlorophenol	15.268	232	124	0.17 ng/uL#	32
62) 2,3,4,6-Tetrachlorophenol	15.356	232	2317	0.19 ng/uL	91
63) Fluorene	15.845	166	172	0.00 ng/uL#	1
64) Diethyl Phthalate	15.729	149	13742	0.09 ng/uL	94
65) 4-Chlorophenyl Phenyl ...	16.090	204	919	0.01 ng/uL#	36
66) 4-Nitroaniline	15.950	138	277	0.12 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.411	198	1102	0.83 ng/uL#	1
69) N-Nitroso-diphenylamine	16.207	169	1328	0.01 ng/uL#	84
70) 1,2-Diphenylhydrazine	16.288	182	239	0.01 ng/uL#	71
72) 4-Bromophenyl Phenyl E...	17.075	248	79	0.00 ng/uL#	18
73) Hexachlorobenzene	0.000		0	N.D.	
74) Atrazine	17.594	200	22314	0.77 ng/uL#	25
75) Pentachlorophenol	17.600	266	123331	5.76 ng/uL	95
76) Phenanthrene	17.990	178	3161	0.02 ng/uL#	83
77) Anthracene	18.090	178	2358	0.01 ng/uL#	70
78) Carbazole	18.416	167	3484	0.02 ng/uL	98
80) Di-n-butyl Phthalate	19.075	149	29215	0.26 ng/uL	97
81) Fluoroanthene	19.856	202	2980	0.02 ng/uL#	79
83) Benzidine	20.071	184	750	0.05 ng/uL#	1
84) Pyrene	20.135	202	1181765	6.30 ng/uL#	90
85) Butyl Benzyl Phthalate	20.811	149	1349	0.06 ng/uL	94
86) Bis(2-ethylhexyl) adipate	21.062	129	2014	0.10 ng/uL#	100
87) Benzo(a)anthracene	21.540	228	3127	0.02 ng/uL#	1
88) 3,3'-Dichlorobenzidine	21.517	252	166	0.01 ng/uL#	19
89) Chrysene	21.575	228	1108	0.01 ng/uL#	1
90) Bis(2-ethylhexyl)phtha...	21.587	149	9280	0.20 ng/uL	92
91) Dicyclohexyl Phthalate	21.587	149	9280	0.09 ng/uL#	100
92) Di-n-octyl Phthalate	22.298	149	780	0.21 ng/uL	98
94) Benzo(b)fluoroanthene	22.747	252	1375	0.01 ng/uL#	71
95) Benzo(k)fluoranthene	22.787	252	883	0.01 ng/uL	92
96) Benzo(a)pyrene	23.160	252	981	0.01 ng/uL#	77
97) Indeno(1,2,3-cd)pyrene	24.921	276	299	0.00 ng/uL#	60
98) Dibenz(a,h)anthracene	24.956	278	448	0.01 ng/uL#	30
99) Benzo(g,h,i)Perylene	25.422	276	1296	0.02 ng/uL#	86

00792

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\050912_308\
Data File : 1205517-bsd1.D
Acq On : 9 May 2012 12:17
Operator : JLB
Sample : 1205517-bsd1 Inst : 308
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 10 11:10:32 2012
Quant Method : C:\msdchem\1\METHODS\050712bna.M
Quant Title : 8270/625 BNA
QLast Update : Thu May 10 11:01:04 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

LCS / LCS DUPLICATE RECOVERY

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205838

SDG: KNM050112

Project: KNM

Laboratory ID: 1205838-BS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 1000 mL / 1 mL

Sequence: 2E22051

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Acenaphthene	9.40	8.13	86	53 - 126	ug/L
Naphthalene	9.40	7.87	84	50 - 127	ug/L
Pyrene	9.40	8.82	94	60 - 134	ug/L

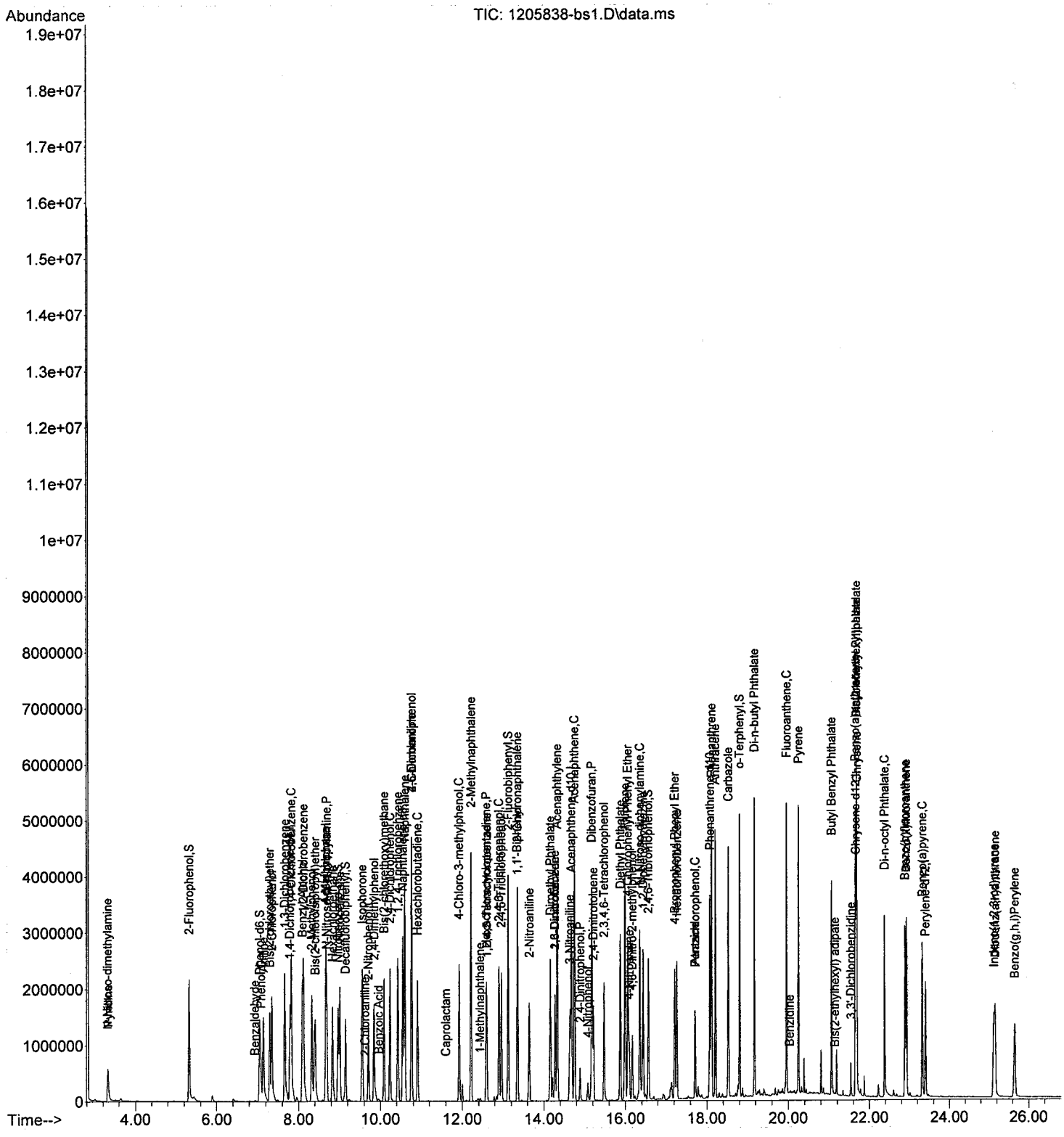
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-bs1.D
Acq On : 22 May 2012 4:14
Operator : JLB
Sample : 1205838-bs1 Inst : 339
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 22 11:20:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration



00795

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-bs1.D
Acq On : 22 May 2012 4:14
Operator : JLB
Sample : 1205838-bs1 Inst : 339
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 22 11:20:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.788	152	583344	5.00	ng/uL		0.00
21) Naphthalene-d8	10.545	136	2605295	5.00	ng/uL	#	0.00
43) Acenaphthene-d10	14.671	164	1448110	5.00	ng/uL		0.00
67) Phenanthrene-d10	18.075	188	2122434	5.00	ng/uL		0.00
82) Chrysene-d12	21.660	240	1024547	5.00	ng/uL	#	0.00
93) Perylene-d12	23.397	264	1053124	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.322	112	1442259	9.82	ng/uL		-0.01
7) Phenol-d6	7.053	99	1122052	6.33	ng/uL		-0.02
22) Nitrobenzene-d5	8.965	82	1087163	8.15	ng/uL		-0.01
24) Decafluorobiphenyl	9.146	334	765658	8.01	ng/uL		0.00
48) 2-Fluorobiphenyl	13.127	172	2318425	8.48	ng/uL		0.00
71) 2,4,6-Tribromophenol	16.566	330	516848	17.48	ng/uL		0.00
79) o-Terphenyl	18.804	230	1347105	8.58	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.311	74	431496	5.08	ng/uL	#	79
3) Pyridine	3.329	79	246373	1.56	ng/uL		88
5) Aniline	7.147	93	1373139	6.21	ng/uL		90
6) Benzaldehyde	6.937	105	10393	0.61	ng/uL	#	1
8) Phenol	7.083	94	593829	3.02	ng/uL	#	59
9) Bis(2-chloroethyl)ether	7.298	93	1137650	6.80	ng/uL		100
10) 2-Chlorophenol	7.351	128	1173412	8.04	ng/uL	#	41
11) 1,3-Dichlorobenzene	7.665	146	1298649	7.50	ng/uL		93
12) 1,4-Dichlorobenzene	7.823	146	1325792	7.92	ng/uL		94
13) 1,2-Dichlorobenzene	8.120	146	1244357	7.62	ng/uL		95
14) Bis(2-chloroisipropyl)...	8.406	45	1844941	7.27	ng/uL		96
15) Benzyl Alcohol	8.097	108	714383	7.12	ng/uL	#	72
16) 2-Methylphenol	8.324	108	881292	6.73	ng/uL	#	81
17) Acetophenone	8.668	105	12136	0.06	ng/uL	#	1
18) Hexachloroethane	8.831	119	442927	7.77	ng/uL		97
19) 4-Methylphenol	8.668	107	998891	6.72	ng/uL	#	81
20) N-Nitroso-di-n-propyla...	8.691	70	775596	8.18	ng/uL		89
23) Nitrobenzene	9.012	77	1144266	7.98	ng/uL	#	57
25) Isophorone	9.554	82	2087938	8.54	ng/uL		95
26) 2-Chloroaniline	9.624	127	355	0.00	ng/uL	#	1
27) 2-Nitrophenol	9.705	139	643723	7.95	ng/uL	#	72
28) 2,4-Dimethylphenol	9.845	107	679576	5.72	ng/uL		88
29) Bis(2-chlorethoxy)methane	10.090	93	1261466	7.96	ng/uL		99
30) 2,4-Dichlorophenol	10.236	162	968947	8.74	ng/uL		96
31) Benzoic Acid	9.956	105	27120	1.72	ng/uL		92
32) 1,2,4-Trichlorobenzene	10.428	180	966181	7.94	ng/uL		99
33) Naphthalene	10.597	128	3466434	7.87	ng/uL	#	94
34) 4-Chloroaniline	10.760	127	1461842	9.17	ng/uL		88
35) 2,6-Dichlorophenol	10.760	162	955057	8.71	ng/uL		89
36) Hexachlorobutadiene	10.900	225	445526	7.68	ng/uL		99
37) Caprolactam	11.594	55	695	0.52	ng/uL	#	21
38) 1,2-Bis(2-chloroethoxy...	11.786	63	2249	Below Cal		#	100
39) 4-Chloro-3-methylphenol	11.920	107	886968	7.59	ng/uL		88
40) 2-Methylnaphthalene	12.218	142	2494220	8.77	ng/uL		95
41) 1-Methylnaphthalene	12.433	142	27813	0.10	ng/uL		95

00796

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-bs1.D
Acq On : 22 May 2012 4:14
Operator : JLB
Sample : 1205838-bs1 Inst : 339
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 22 11:20:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	14.269	168	530	0.14 ng/uL	100
44) 1,2,4,5-Tetrachloroben...	12.602	216	442734	4.25 ng/uL	99
45) Hexachlorocyclopentadiene	12.585	237	402555	7.25 ng/uL	97
46) 2,4,6-Trichlorophenol	12.900	196	639261	8.28 ng/uL	97
47) 2,4,5-Trichlorophenol	12.958	196	625641	8.03 ng/uL	99
49) 2-Chloronaphthalene	13.354	162	2127835	8.54 ng/uL	92
50) 1,1'-Biphenyl	13.348	154	5560	0.02 ng/uL	91
51) 2-Nitroaniline	13.646	138	744798	8.56 ng/uL	87
52) Acenaphthylene	14.328	152	3422147	8.35 ng/uL#	79
53) 2,6-Dinitrotoluene	14.269	165	504451	7.84 ng/uL#	87
54) Dimethyl Phthalate	14.159	163	2114873	8.43 ng/uL	91
55) 3-Nitroaniline	14.636	138	560570	9.20 ng/uL#	1
56) Acenaphthene	14.753	153	2051907	8.13 ng/uL	98
57) 2,4-Dinitrophenol	14.887	184	159595	6.02 ng/uL#	80
58) Dibenzofuran	15.173	168	3051958	8.94 ng/uL	90
59) 4-Nitrophenol	15.074	65	100754	2.72 ng/uL#	81
60) 2,4-Dinitrotoluene	15.214	165	648895	7.94 ng/uL#	86
61) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62) 2,3,4,6-Tetrachlorophenol	15.476	232	460776	8.32 ng/uL	97
63) Fluorene	15.995	166	2300594	8.52 ng/uL	95
64) Diethyl Phthalate	15.878	149	2064746	8.73 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.059	204	932843	8.04 ng/uL	96
66) 4-Nitroaniline	16.094	138	457809	9.95 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.169	198	287211	7.24 ng/uL	95
69) N-Nitroso-diphenylamine	16.356	169	1419800	6.70 ng/uL	99
70) 1,2-Diphenylhydrazine	16.438	182	601839	8.44 ng/uL#	76
72) 4-Bromophenyl Phenyl E...	17.219	248	479879	8.20 ng/uL	98
73) Hexachlorobenzene	17.271	284	564416	8.10 ng/uL	97
74) Atrazine	17.708	200	48900	1.16 ng/uL#	26
75) Pentachlorophenol	17.714	266	286174	7.47 ng/uL	97
76) Phenanthrene	18.116	178	2823303	8.15 ng/uL	97
77) Anthracene	18.209	178	2746142	8.13 ng/uL	98
78) Carbazole	18.530	167	2615194	9.31 ng/uL	97
80) Di-n-butyl Phthalate	19.171	149	3277887	8.78 ng/uL	99
81) Fluoroanthene	19.958	202	2533771	8.54 ng/uL	99
83) Benzidine	20.028	184	268	0.03 ng/uL#	71
84) Pyrene	20.249	202	2642598	8.82 ng/uL#	92
85) Butyl Benzyl Phthalate	21.060	149	1034566	8.57 ng/uL#	79
86) Bis(2-ethylhexyl) adipate	21.141	129	3942	0.88 ng/uL#	100
87) Benzo(a)anthracene	21.648	228	1857101	8.45 ng/uL#	96
88) 3,3'-Dichlorobenzidine	21.538	252	236	0.71 ng/uL	84
89) Chrysene	21.689	228	1795796	8.40 ng/uL#	83
90) Bis(2-ethylhexyl)phtha...	21.677	149	1348816	9.42 ng/uL	92
91) Dicyclohexyl Phthalate	21.677	149	1379448	6.32 ng/uL#	100
92) Di-n-octyl Phthalate	22.377	149	2020412	8.80 ng/uL	100
94) Benzo(b)fluoroanthene	22.884	252	1632531	7.66 ng/uL#	94
95) Benzo(k)fluoranthene	22.919	252	1642053	8.38 ng/uL#	88
96) Benzo(a)pyrene	23.321	252	1494798	7.69 ng/uL#	90
97) Indeno(1,2,3-cd)pyrene	25.128	276	1425806	9.43 ng/uL#	75
98) Dibdenz(a,h)anthracene	25.157	278	1206882	9.56 ng/uL#	81
99) Benzo(g,h,i)Perylene	25.647	276	1123970	9.07 ng/uL#	81

00797

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-bs1.D
Acq On : 22 May 2012 4:14
Operator : JLB
Sample : 1205838-bs1 Inst : 339
ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 22 11:20:20 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106037

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205838

SDG: KNM050112

Project: KNM

Laboratory ID: 1205838-MS1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 870 mL / 1 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Acenaphthene	11.5	ND	9.36	81	46 - 120	ug/L
Naphthalene	11.6	ND	9.54	82	39 - 124	ug/L
Pyrene	11.5	ND	9.93	86	55 - 134	ug/L

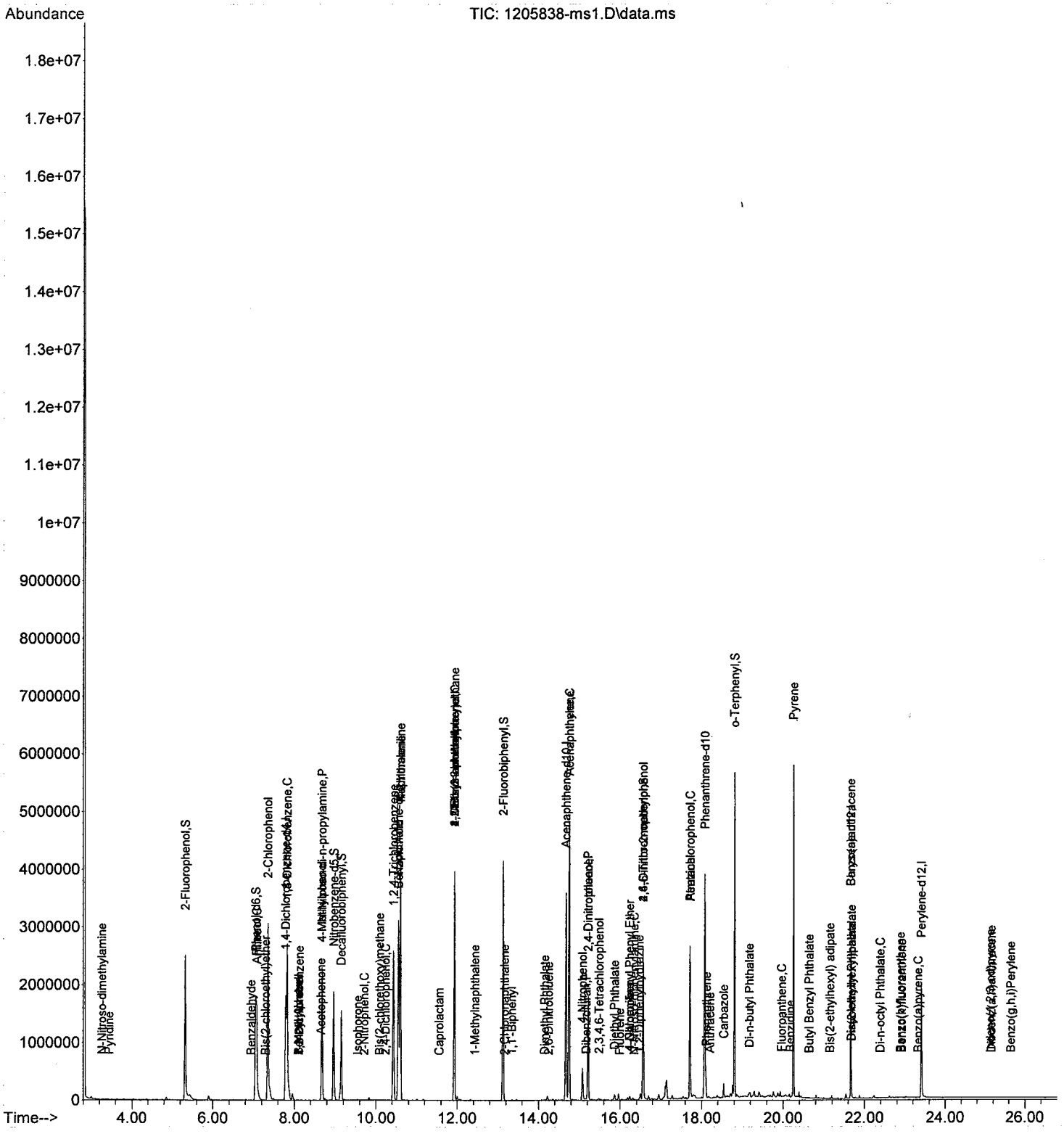
Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-ms1.D
Acq On : 22 May 2012 7:37
Operator : JLB
Sample : 1205838-ms1 Inst : 339
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 22 11:20:59 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration



00800

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-ms1.D
Acq On : 22 May 2012 7:37
Operator : JLB
Sample : 1205838-ms1 Inst : 339
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 22 11:20:59 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.788	152	631681	5.00	ng/uL		0.00
21) Naphthalene-d8	10.545	136	2816542	5.00	ng/uL	#	0.00
43) Acenaphthene-d10	14.672	164	1536306	5.00	ng/uL		0.00
67) Phenanthrene-d10	18.076	188	2201765	5.00	ng/uL		0.00
82) Chrysene-d12	21.660	240	1106815	5.00	ng/uL	#	0.00
93) Perylene-d12	23.403	264	1071475	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.322	112	1716995	10.80	ng/uL		-0.01
7) Phenol-d6	7.054	99	1399523	7.29	ng/uL		-0.02
22) Nitrobenzene-d5	8.965	82	1142439	7.92	ng/uL		-0.01
24) Decafluorobiphenyl	9.146	334	786477	7.61	ng/uL		0.00
48) 2-Fluorobiphenyl	13.127	172	2452646	8.46	ng/uL		0.00
71) 2,4,6-Tribromophenol	16.566	330	548004	17.86	ng/uL		0.00
79) o-Terphenyl	18.804	230	1422654	8.75	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.265	74	173	0.00	ng/uL	#	1
3) Pyridine	3.440	79	1642	0.01	ng/uL		99
5) Aniline	7.083	93	21746	0.14	ng/uL	#	1
6) Benzaldehyde	6.943	105	1967	0.55	ng/uL	#	1
8) Phenol	7.077	94	1172243	5.51	ng/uL	#	56
9) Bis(2-chloroethyl)ether	7.293	93	398	0.00	ng/uL		100
10) 2-Chlorophenol	7.351	128	1975104	12.50	ng/uL	#	72
11) 1,3-Dichlorobenzene	7.823	146	1118671	5.96	ng/uL		91
12) 1,4-Dichlorobenzene	7.823	146	1381491	7.62	ng/uL		93
13) 1,2-Dichlorobenzene	8.120	146	70	0.00	ng/uL	#	34
14) Bis(2-chloroisipropyl)...	0.000		0	N.D.			
15) Benzyl Alcohol	8.103	108	1248	0.10	ng/uL		96
16) 2-Methylphenol	8.103	108	1248	0.01	ng/uL	#	61
17) Acetophenone	8.656	105	2559	0.01	ng/uL	#	92
18) Hexachloroethane	0.000		0	N.D.			
19) 4-Methylphenol	8.674	107	291	0.00	ng/uL	#	1
20) N-Nitroso-di-n-propyla...	8.680	70	883122	8.60	ng/uL		92
23) Nitrobenzene	8.965	77	3351	0.02	ng/uL	#	1
25) Isophorone	9.548	82	1177	0.00	ng/uL	#	58
26) 2-Chloroaniline	0.000		0	N.D.			
27) 2-Nitrophenol	9.711	139	188	0.39	ng/uL	#	26
28) 2,4-Dimethylphenol	0.000		0	N.D.			
29) Bis(2-chlorethoxy)methane	10.090	93	59	0.00	ng/uL	#	16
30) 2,4-Dichlorophenol	10.230	162	885	0.01	ng/uL	#	80
31) Benzoic Acid	10.551	105	3678	1.48	ng/uL	#	19
32) 1,2,4-Trichlorobenzene	10.428	180	1014534	7.71	ng/uL		99
33) Naphthalene	10.597	128	3953602	8.30	ng/uL	#	94
34) 4-Chloroaniline	10.597	127	406128	2.36	ng/uL		90
35) 2,6-Dichlorophenol	0.000		0	N.D.			
36) Hexachlorobutadiene	0.000		0	N.D.			
37) Caprolactam	11.553	55	791	0.52	ng/uL	#	10
38) 1,2-Bis(2-chloroethoxy...	11.926	63	106046	0.59	ng/uL	#	100
39) 4-Chloro-3-methylphenol	11.926	107	1461294	11.52	ng/uL	#	87
40) 2-Methylnaphthalene	11.926	142	1343951	4.37	ng/uL	#	24
41) 1-Methylnaphthalene	12.433	142	2175	0.01	ng/uL	#	52

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-ms1.D
Acq On : 22 May 2012 7:37
Operator : JLB
Sample : 1205838-ms1 Inst : 339
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 22 11:20:59 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	0.000		0	N.D.	
44) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	0.000		0	N.D.	
47) 2,4,5-Trichlorophenol	0.000		0	N.D.	
49) 2-Chloronaphthalene	13.162	162	78	0.00 ng/uL#	1
50) 1,1'-Biphenyl	13.343	154	6104	0.02 ng/uL	95
51) 2-Nitroaniline	0.000		0	N.D.	
52) Acenaphthylene	14.753	152	1033043	2.38 ng/uL#	44
53) 2,6-Dinitrotoluene	14.246	165	364	0.25 ng/uL#	1
54) Dimethyl Phthalate	14.147	163	5979	0.02 ng/uL#	86
55) 3-Nitroaniline	14.672	138	123	Below Cal #	1
56) Acenaphthene	14.753	153	2179558	8.14 ng/uL	97
57) 2,4-Dinitrophenol	15.214	184	295	1.89 ng/uL#	1
58) Dibenzofuran	15.167	168	8786	0.02 ng/uL	99
59) 4-Nitrophenol	15.074	65	171377	4.30 ng/uL#	79
60) 2,4-Dinitrotoluene	15.214	165	651206	7.53 ng/uL#	80
61) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62) 2,3,4,6-Tetrachlorophenol	15.482	232	6225	0.38 ng/uL	95
63) Fluorene	15.989	166	765	0.00 ng/uL#	2
64) Diethyl Phthalate	15.861	149	50719	0.20 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.234	204	1762	0.01 ng/uL#	19
66) 4-Nitroaniline	16.228	138	476	0.51 ng/uL#	1
68) 4,6-Dinitro-2-methylph...	16.566	198	1190	0.92 ng/uL#	1
69) N-Nitroso-diphenylamine	16.339	169	583	0.00 ng/uL#	26
70) 1,2-Diphenylhydrazine	16.467	182	2788	0.04 ng/uL#	29
72) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
73) Hexachlorobenzene	0.000		0	N.D.	
74) Atrazine	17.714	200	81894	1.74 ng/uL#	25
75) Pentachlorophenol	17.714	266	476398	11.69 ng/uL	97
76) Phenanthrene	18.116	178	3737	0.01 ng/uL#	64
77) Anthracene	18.204	178	966	0.00 ng/uL#	60
78) Carbazole	18.542	167	5998	0.02 ng/uL#	75
80) Di-n-butyl Phthalate	19.171	149	40365	0.15 ng/uL#	93
81) Fluoroanthene	19.958	202	1533	0.00 ng/uL	93
83) Benzidine	20.174	184	519	0.05 ng/uL#	1
84) Pyrene	20.250	202	2796533	8.64 ng/uL	93
85) Butyl Benzyl Phthalate	20.640	149	166	0.93 ng/uL	87
86) Bis(2-ethylhexyl) adipate	21.147	129	2369	0.87 ng/uL#	100
87) Benzo(a)anthracene	21.660	228	4143	0.02 ng/uL#	1
88) 3,3'-Dichlorobenzidine	0.000		0	N.D.	
89) Chrysene	21.660	228	4143	0.02 ng/uL#	1
90) Bis(2-ethylhexyl)phtha...	21.678	149	16709	0.65 ng/uL#	86
91) Dicyclohexyl Phthalate	21.678	149	16599	0.53 ng/uL#	100
92) Di-n-octyl Phthalate	22.383	149	528	1.57 ng/uL	96
94) Benzo(b)fluoroanthene	22.884	252	679	0.32 ng/uL	94
95) Benzo(k)fluoranthene	22.919	252	597	0.00 ng/uL#	90
96) Benzo(a)pyrene	23.321	252	552	0.35 ng/uL#	57
97) Indeno(1,2,3-cd)pyrene	25.128	276	253	0.00 ng/uL#	60
98) Dibdenz(a,h)anthracene	25.157	278	209	0.00 ng/uL#	74
99) Benzo(g,h,i)Perylene	25.647	276	387	0.00 ng/uL	95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-ms1.D
Acq On : 22 May 2012 7:37
Operator : JLB
Sample : 1205838-ms1 Inst : 339
ALS Vial : 27 Sample Multiplier: 1

Quant Time: May 22 11:20:59 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00803

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106037

USEPA-8270C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205838

SDG: KNM050112

Project: KNM

Laboratory ID: 1205838-MSD1

Preparation: 3510C Liquid-Liquid Extraction

Initial/Final: 900 mL / 1 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Acenaphthene	11.1	8.82	79	6	12	46 - 120	ug/L
Naphthalene	11.2	9.02	80	6	15	39 - 124	ug/L
Pyrene	11.1	8.97	81	10	16	55 - 134	ug/L

Column to be used to flag recovery and RPD values with an asterisk

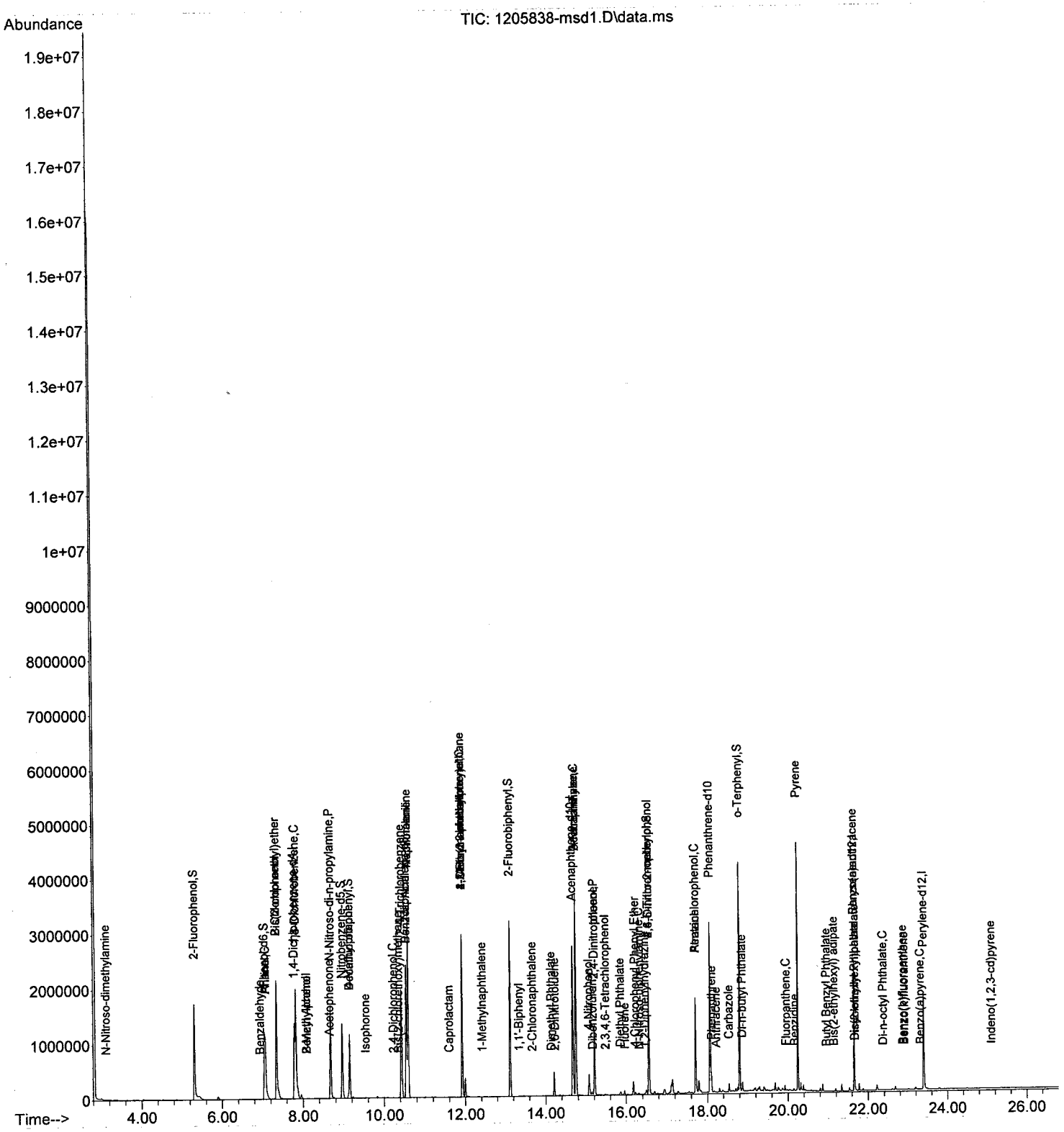
* Values outside of QC limits

00804

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-msd1.D
Acq On : 22 May 2012 8:10
Operator : JLB
Sample : 1205838-msd1 Inst : 339
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 22 11:21:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration



00805

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-msd1.D
Acq On : 22 May 2012 8:10
Operator : JLB
Sample : 1205838-msd1 Inst : 339
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 22 11:21:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.788	152	477167	5.00	ng/uL		0.00
21) Naphthalene-d8	10.545	136	2142476	5.00	ng/uL	#	0.00
43) Acenaphthene-d10	14.671	164	1163949	5.00	ng/uL		0.00
67) Phenanthrene-d10	18.070	188	1673759	5.00	ng/uL		0.00
82) Chrysene-d12	21.654	240	939764	5.00	ng/uL	#	0.00
93) Perylene-d12	23.397	264	927794	5.00	ng/uL	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.316	112	1183682	9.86	ng/uL		-0.02
7) Phenol-d6	7.048	99	962296	6.64	ng/uL		-0.02
22) Nitrobenzene-d5	8.959	82	827361	7.54	ng/uL		-0.02
24) Decafluorobiphenyl	9.146	334	606325	7.71	ng/uL		0.00
48) 2-Fluorobiphenyl	13.121	172	1830691	8.34	ng/uL		-0.01
71) 2,4,6-Tribromophenol	16.560	330	387523	16.62	ng/uL		-0.01
79) o-Terphenyl	18.804	230	1080566	8.75	ng/uL		0.00
Target Compounds							Qvalue
2) N-Nitroso-dimethylamine	3.119	74	127	0.00	ng/uL	#	1
3) Pyridine	0.000		0	N.D.			
5) Aniline	7.077	93	14497	0.13	ng/uL	#	1
6) Benzaldehyde	6.943	105	822	0.55	ng/uL	#	1
8) Phenol	7.077	94	801412	4.99	ng/uL	#	57
9) Bis(2-chloroethyl)ether	7.345	93	24265	0.18	ng/uL		100
10) 2-Chlorophenol	7.345	128	1408144	11.80	ng/uL	#	73
11) 1,3-Dichlorobenzene	7.823	146	839881	5.93	ng/uL		92
12) 1,4-Dichlorobenzene	7.823	146	1029469	7.52	ng/uL		94
13) 1,2-Dichlorobenzene	0.000		0	N.D.			
14) Bis(2-chloroisipropyl)...	0.000		0	N.D.			
15) Benzyl Alcohol	8.091	108	1369	0.11	ng/uL		90
16) 2-Methylphenol	8.091	108	1369	0.01	ng/uL	#	61
17) Acetophenone	8.656	105	1511	0.01	ng/uL	#	90
18) Hexachloroethane	0.000		0	N.D.			
19) 4-Methylphenol	9.140	107	879	0.01	ng/uL	#	13
20) N-Nitroso-di-n-propyla...	8.680	70	633430	8.17	ng/uL		90
23) Nitrobenzene	8.959	77	2298	0.02	ng/uL	#	1
25) Isophorone	9.542	82	343	0.00	ng/uL	#	58
26) 2-Chloroaniline	0.000		0	N.D.			
27) 2-Nitrophenol	0.000		0	N.D.			
28) 2,4-Dimethylphenol	0.000		0	N.D.			
29) Bis(2-chlorethoxy)methane	10.358	93	65	0.00	ng/uL	#	16
30) 2,4-Dichlorophenol	10.236	162	314	0.00	ng/uL	#	26
31) Benzoic Acid	10.551	105	2655	1.48	ng/uL	#	1
32) 1,2,4-Trichlorobenzene	10.422	180	756155	7.56	ng/uL		99
33) Naphthalene	10.591	128	2940401	8.12	ng/uL	#	94
34) 4-Chloroaniline	10.591	127	277477	2.12	ng/uL		91
35) 2,6-Dichlorophenol	0.000		0	N.D.			
36) Hexachlorobutadiene	0.000		0	N.D.			
37) Caprolactam	11.594	55	617	0.52	ng/uL	#	21
38) 1,2-Bis(2-chloroethoxy...	11.920	63	79175	0.57	ng/uL	#	100
39) 4-Chloro-3-methylphenol	11.920	107	1057793	10.97	ng/uL		88
40) 2-Methylnaphthalene	11.920	142	972879	4.16	ng/uL	#	24
41) 1-Methylnaphthalene	12.422	142	1812	0.01	ng/uL	#	53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-msd1.D
Acq On : 22 May 2012 8:10
Operator : JLB
Sample : 1205838-msd1 Inst : 339
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 22 11:21:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
42) 1,3 Dinitrobenzene	0.000		0	N.D.	
44) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.	
45) Hexachlorocyclopentadiene	0.000		0	N.D.	
46) 2,4,6-Trichlorophenol	0.000		0	N.D.	
47) 2,4,5-Trichlorophenol	0.000		0	N.D.	
49) 2-Chloronaphthalene	13.669	162	78	0.00 ng/uL#	35
50) 1,1'-Biphenyl	13.343	154	4335	0.02 ng/uL	96
51) 2-Nitroaniline	0.000		0	N.D.	
52) Acenaphthylene	14.747	152	759567	2.31 ng/uL#	43
53) 2,6-Dinitrotoluene	14.234	165	308	0.25 ng/uL#	1
54) Dimethyl Phthalate	14.141	163	3414	0.02 ng/uL#	85
55) 3-Nitroaniline	14.747	138	1471	0.02 ng/uL#	1
56) Acenaphthene	14.747	153	1612145	7.94 ng/uL	98
57) 2,4-Dinitrophenol	15.208	184	187	1.89 ng/uL#	1
58) Dibenzofuran	15.167	168	5966	0.02 ng/uL	99
59) 4-Nitrophenol	15.068	65	114620	3.81 ng/uL#	80
60) 2,4-Dinitrotoluene	15.208	165	456063	6.99 ng/uL#	81
61) 2,3,5,6-Tetrachlorophenol	0.000		0	N.D.	
62) 2,3,4,6-Tetrachlorophenol	15.482	232	3726	0.35 ng/uL	94
63) Fluorene	15.971	166	74	0.00 ng/uL#	1
64) Diethyl Phthalate	15.855	149	30478	0.16 ng/uL	99
65) 4-Chlorophenyl Phenyl ...	16.228	204	1106	0.01 ng/uL#	9
66) 4-Nitroaniline	0.000		0	N.D.	
68) 4,6-Dinitro-2-methylph...	16.560	198	800	0.92 ng/uL#	1
69) N-Nitroso-diphenylamine	16.327	169	124	0.00 ng/uL#	26
70) 1,2-Diphenylhydrazine	16.467	182	1841	0.03 ng/uL#	18
72) 4-Bromophenyl Phenyl E...	0.000		0	N.D.	
73) Hexachlorobenzene	0.000		0	N.D.	
74) Atrazine	17.708	200	51348	1.47 ng/uL#	25
75) Pentachlorophenol	17.708	266	292649	9.54 ng/uL	97
76) Phenanthrene	18.110	178	2814	0.01 ng/uL#	67
77) Anthracene	18.221	178	60	0.00 ng/uL#	1
78) Carbazole	18.536	167	3171	0.01 ng/uL#	74
80) Di-n-butyl Phthalate	18.868	149	3635	0.06 ng/uL	96
81) Fluoroanthene	19.952	202	1186	0.01 ng/uL	98
83) Benzidine	20.168	184	110	0.01 ng/uL#	1
84) Pyrene	20.244	202	2216144	8.07 ng/uL#	92
85) Butyl Benzyl Phthalate	20.961	149	187	0.93 ng/uL	92
86) Bis(2-ethylhexyl) adipate	21.147	129	1641	0.87 ng/uL#	100
87) Benzo(a)anthracene	21.654	228	2704	0.01 ng/uL#	1
88) 3,3'-Dichlorobenzidine	0.000		0	N.D.	
89) Chrysene	21.654	228	2704	0.01 ng/uL#	1
90) Bis(2-ethylhexyl)phtha...	21.677	149	12167	0.63 ng/uL	90
91) Dicyclohexyl Phthalate	21.677	149	12167	0.52 ng/uL#	100
92) Di-n-octyl Phthalate	22.377	149	672	1.57 ng/uL#	74
94) Benzo(b)fluoroanthene	22.878	252	351	0.32 ng/uL#	56
95) Benzo(k)fluoranthene	22.913	252	367	0.00 ng/uL#	58
96) Benzo(a)pyrene	23.315	252	134	0.35 ng/uL#	57
97) Indeno(1,2,3-cd)pyrene	25.105	276	120	0.00 ng/uL#	46
98) Dibdenz(a,h)anthracene	0.000		0	N.D.	
99) Benzo(g,h,i)Perylene	0.000		0	N.D.	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052112_339\
Data File : 1205838-msd1.D
Acq On : 22 May 2012 8:10
Operator : JLB
Sample : 1205838-msd1 Inst : 339
ALS Vial : 28 Sample Multiplier: 1

Quant Time: May 22 11:21:26 2012
Quant Method : C:\msdchem\1\methods\052112bna.M
Quant Title : 8270/625 BNA
QLast Update : Tue May 22 11:19:46 2012
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

00808

TriMatrix Laboratories, Inc.

PREPARATION BATCH **1205517** Page 1 of 1

Printed: 5/4/2012 4:11:36PM

Semivolatiles MS, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2041292 (Pre-Prep)

Batch Comments: (none)

5555

Standard	Description	Solvent	LotNum
1101172	10 N NaOH	ASTM II H2O	111357
1101391	1:1 Sulfuric Acid	ASTM H2O	111857
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2040169	Short List Spike	MeOH/113905	na
2041292	BNA Surrogate	MeOH/117578	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205072	8270C MDEQ PNA	1205073	8270C MDEQ PNA		

Balance ID: _____ **pH Meter:** _____

Lab Number	*Contain*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1205517-BLK1		May-04-12 12:38	SMS9	1000	1	100				BLANK	
1205517-BS1		May-04-12 12:38	SMS9	1000	1	100		2040169	100	LCS	
1205517-BSD1		May-04-12 12:38	SMS9	1000	1	100		2040169	100	LCS DUP	
1205072-01	H	May-04-12 12:38	SMS9	980	1	100				TechLaw	
1205073-01	H	May-04-12 12:38	SMS9	980	1	100				TechLaw	

Comments:

Analyst Initials:

Semivolatiles MS, Water, 3510C Liquid-Liquid Extraction

Surrogate #1 = 2041292 (Pre-Prep)

Batch Comments: (none)

Standard	Description	Solvent	LotNum
1101172	10 N NaOH	ASTM II H2O	111357
1101391	1:1 Sulfuric Acid	ASTM H2O	111857
2020310	MeCl2 - Lot K45S01	N/A	K45S01
2031096	Rinsed Sodium Sulfate	MeCl2/K45S01	K36612
2040169	Short List Spike	MeOH/113905	na
2041011	Full List Spike	MeOH/117578	na
2041292	BNA Surrogate	MeOH/117578	na

Work Order	Analysis	Work Order	Analysis	Work Order	Analysis
1205085	8270C MDEQ PNA				

Balance ID: _____ **pH Meter:** _____

Lab Number	*Contain*	*Prepared*	*By*	*Initial (mL)*	*Final (mL)*	*uL Surrogate*	*Source ID*	*Spike ID*	*uL Spike*	*Client / QC Type*	*Extraction Comments*
1205838-BLK1		May-09-12 08:36	ALK	1000	1	100				BLANK	
1205838-BS1		May-09-12 08:36	ALK	1000	1	100		2041011	100	LCS	
1205838-MS1		May-09-12 08:36	ALK	870	1	100	1205085-02	2040169	100	MATRIX SPIKE	
1205838-MSD1		May-09-12 08:36	ALK	900	1	100	1205085-02	2040169	100	MATRIX SPIKE DUP	
1205085-01	H	May-09-12 08:36	ALK	950	1	100				TechLaw	
1205085-02	R	May-09-12 08:36	ALK	980	1	100				TechLaw	

Comments:

Analyst Initials:

Semivolatiles MS, Water, May-07-12

Instrument = 308, Calibration = 2E11005

Sequence Analyses:

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E11031-TUN1	QC		2040943	2020399	MS TUNE	
2E11031-CAL1	QC		2050106	2020399	CAL STANDARD	
2E11031-CAL2	QC		2050256	2020399	CAL STANDARD	
2E11031-CAL3	QC		2050255	2020399	CAL STANDARD	
2E11031-CAL4	QC		2050254	2020399	CAL STANDARD	
2E11031-CAL5	QC		2050253	2020399	CAL STANDARD	
2E11031-CAL6	QC		2050252	2020399	CAL STANDARD	
2E11031-CAL7	QC		2050251	2020399	CAL STANDARD	
2E11031-CAL8	QC		2050250	2020399	CAL STANDARD	
2E11031-SCV1	QC		2050258	2020399	SECONDARY CAL CHECK	

Comments:

Analyst Initials:

Semivolatiles MS, Water, May-09-12

Instrument = 308, Calibration = 2E11005

Sequence Analyses:
8270C MDEQ PNA

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E11033-TUN1	QC		2040943	2020399	MS TUNE	
2E11033-CCV1	QC		2050253	2020399	CALIBRATION CHECK	
1205517-BLK1	QC			2020399	BLANK	
1205517-BS1	QC			2020399	LCS	
1205517-BSD1	QC			2020399	LCS DUP	
1205072-01	8270C MDEQ PNA	H 01		2020399	TechLaw	
1205073-01	8270C MDEQ PNA	H 01		2020399	TechLaw	

Comments:

Analyst Initials:

Semivolatiles MS, Water, May-21-12

Instrument = 339, Calibration = 2E22022

Sequence Analyses:

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E22049-TUN1	QC		2040943	2020399	MS TUNE	
2E22049-CAL1	QC		2050257	2020399	CAL STANDARD	
2E22049-CAL2	QC		2050256	2020399	CAL STANDARD	
2E22049-CAL3	QC		2050255	2020399	CAL STANDARD	
2E22049-CAL4	QC		2050254	2020399	CAL STANDARD	
2E22049-CAL5	QC		2050253	2020399	CAL STANDARD	
2E22049-CAL6	QC		2050252	2020399	CAL STANDARD	
2E22049-CAL7	QC		2050251	2020399	CAL STANDARD	
2E22049-CAL8	QC		2050250	2020399	CAL STANDARD	
2E22049-SCV1	QC		2050258	2020399	SECONDARY CAL CHECK	

Comments:

Analyst Initials:

Semivolatiles MS, Water, May-22-12

Instrument = 339, Calibration = 2E22022

Sequence Analyses:
8270C MDEQ PNA

Lab Number	*Analysis*	*Contain*	*STD ID*	*ISTD ID*	*Client / QC Type*	*Extraction Comments*
2E22051-TUN1	QC		2040943	2020399	MS TUNE	
2E22051-CCV1	QC		2050253	2020399	CALIBRATION CHECK	
1205838-BLK1	QC			2020399	BLANK	
1205838-BS1	QC			2020399	LCS	
1205838-MS1	QC			2020399	MATRIX SPIKE	
1205838-MSD1	QC			2020399	MATRIX SPIKE DUP	
1205085-01	8270C MDEQ PNA	H 01		2020399	TechLaw	
1205085-02	8270C MDEQ PNA	R 01		2020399	TechLaw	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

Col. 2040978

00815

Instrument ID: Agilent 5975B MSD Instrument #308 Date: 5 / 7 / 12 Archived: _____ Disk ID: _____ Analyst: JLB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu	GC	Temp. (C)	Rate (C/min)	Time (min)	Total (min)	New Column Date: 5-4-12
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	Step #1	45	0.0	1.5	1.5	New Septa: Yes / No
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.4 min.	Step #2	200	10	0	17.0	Working Standard: 2050244
Source Temperature: 230C			Step #3	315	25	5	26.6	Internal Standard: 2020399
Transfer Line Temperature: 280C								Tune Standard: 2040617
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198: 149751
ELEMENT Sequence:		Curve Date: / /	Clipped Column / Changed Liner					DDT Breakdown:
		new						

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dtt0507b		08:51			DFTPP	8270	pass
10ic0507		0911					not using
05		0947					
1		1022					
2		1058					
5		1133					
15		1208					not using
20		1244					not using
25		1319					
10ic0507a		1353					
20ic0507a		1430					
15ic0507a		1505					

TriMatrix Laboratories, Inc.

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
10scvbna0507							bis2chlor-methane 7.95 1,2bis low - not using
~~05appix0507~~ 10scv	bna0507a						1,2 bis (2-Cee) ↓75.6%
1							
2							
5							
10							
15							
20							
25							
scv							

00816

TriMatrix Laboratories, Inc.

col. 2040978

Instrument ID: Agilent 5975B MSD Instrument #308 Date: 5/9/12 Archived: _____ Disk ID: _____ Analyst: JMS

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu	GC	Temp. (C)	Rate (C/min)	Time (min)	Total (min)	New Column Date: 5-4-12
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	Step #1	45	0.0	1.5	1.5	New Septa: Yes / (No)
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.4 min.	Step #2	200	10	0	17.0	Working Standard: 205244
Source Temperature: 230C			Step #3	315	25	5	26.6	Internal Standard: 2020319
Transfer Line Temperature: 280C								Tune Standard: 2040617
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 5/7/12	Clipped Column / Changed Liner					DDT Breakdown:

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft0509d		0936			DFTPP	8270c	pass
10bna0509		0957			bna		pass pna/3+4methylphenol
1205516-blk1		1032					
1205517-blk1		1107					
1205517-bs1		1142					
1205517-bsd1		1217					
1205516-bs1		1252					
1205516-bsd1		1328					
1205054-05		1403					
1205072-01		1438					
1205073-01		1513					
1205059-01		1548					

TRIMATRIX LABORATORIES

Col. 2050625

00818

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 5/21/12 Archived: _____ Disk ID: _____ Analyst: JB

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu	GC	Temp. (C)	Rate (C/min)	Time (min)	Total (min)	New Column Date: 5-21-12
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	Step #1	45	0.0	1.5	1.5	New Septa: Yes / No
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #2	200	10	0	17.0	Working Standard: 2050244
Source Temperature: 230C			Step #3	315	25	5	26.6	Internal Standard: 2020399
Transfer Line Temperature: 280C								Tune Standard: 2040617
Column Flow: 1 mL/min.								Injection Volume: 1 uL
								DFTPP Area 198:
ELEMENT Sequence:		Curve Date: 5/21/12	Clipped Column / Changed Liner					DDT Breakdown: 1.62
		bna & abc						

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dft0521e		1554			DFTPP	8270	pass
10ic0521a		1612					
05ic0521a		1645					
1ic0521		1718					
2		1750					
5		1823					
15		1856					
20		1929					
25		2002					
SW bna0521a		2035					
05ab0521		2108					pass
1		2141					

TRIMATRIX LABORATORIES

Instrument ID: Agilent 5975C MSD Instrument #339 Date: 5/22/12 Archived: _____ Disk ID: _____ Analyst: Jub

col. 2050625

Instrument Settings		Acquisition Information	Temperature Program					Miscellaneous
Multiplier:	Inlet	Scan Range: 40 - 550 amu	GC	Temp. (C)	Rate (C/min)	Time (min)	Total (min)	New Column Date: 5-21-12
Quad Temperature: 180C	Surge Pressure: 40psi.	Seconds/Scan: 0.33	Step #1	45	0.0	1.5	1.5	New Septa: Yes / No
Inlet Temperature: 250C	Surge Duration: 0.2 min.	Filament Delay: 3.0 min.	Step #2	200	10	0	17.0	Working Standard: 2050244
Source Temperature: 230C			Step #3	315	25	5	26.6	Internal Standard: 2020399
Transfer Line Temperature: 280C								Tune Standard: 2040617
Column Flow: 1 mL/min.								Injection Volume: 1 uL
ELEMENT Sequence:		Curve Date: 5/21/12	Clipped Column / Changed Liner					DFTPP Area 198:
								DDT Breakdown:

File Name	Client	Injection Time	Dilution	Matrix	Fraction	Method	Notes
dfto522b		0216			DFTPP	8270C	pass
10bna0522		0235			bna		↓
1205838blk1		0308					
1206070blk1		0341					
1205838bs1		0414					need 2x for bis2EHP-
1206070-bs1		0447					
1205838ms1		0737					
↓ msd1		0810					
1205085-01		0843					
2		0915					
1205202-01		0948					
1205180-01		1021					

Penylene w/ 2x

file: 339run.xls

revision: 0.0

00819