

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\
Quantitation Report (QT Reviewed)

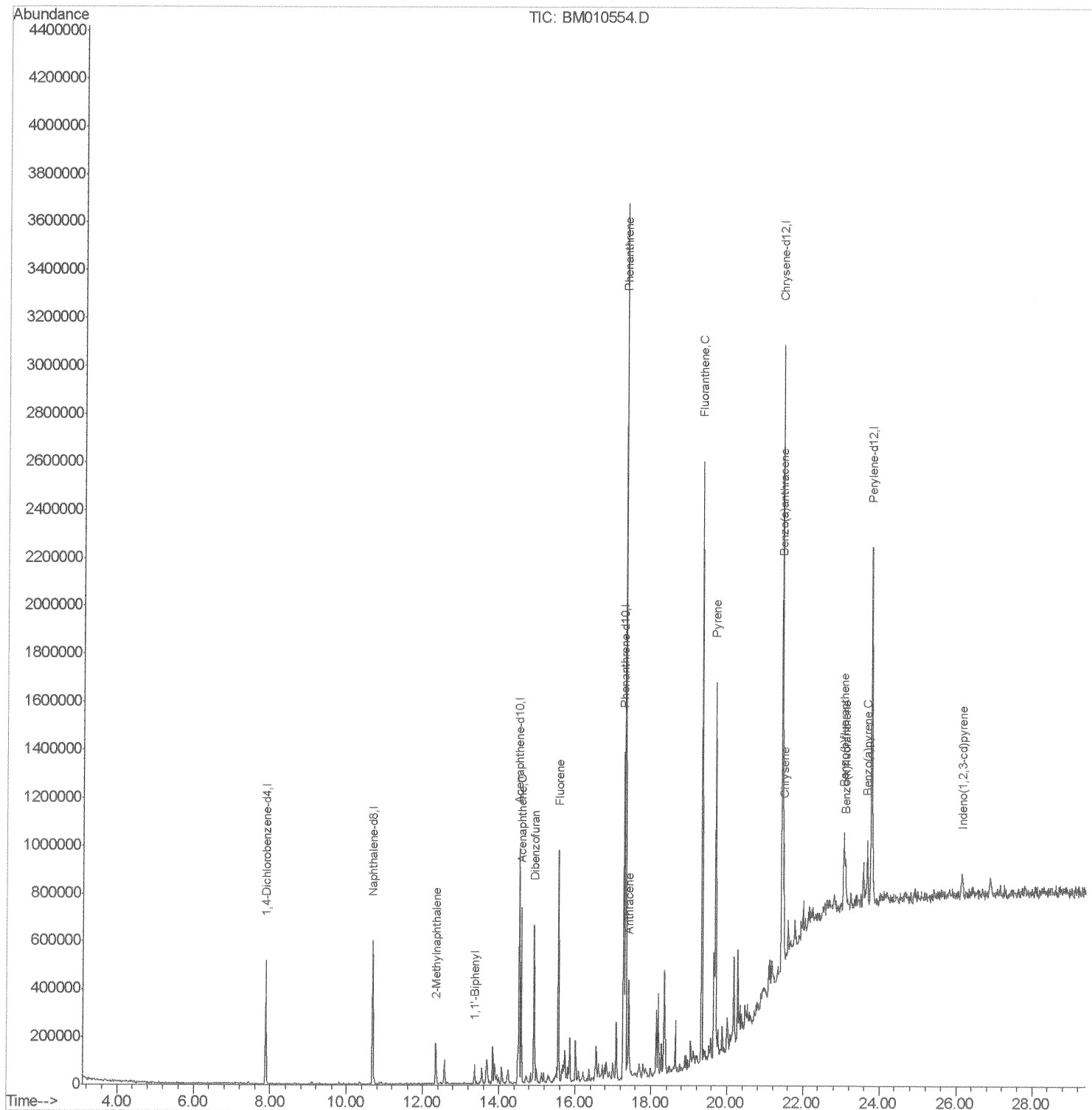
Data File : BM010554.D
Acq On : 13 Jun 2017 02:32
Operator : SJ/MA
Sample : I3522-18DL2 30X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_M
Client Sample ID :
F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

Quant Time: Jun 13 05:09:57 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

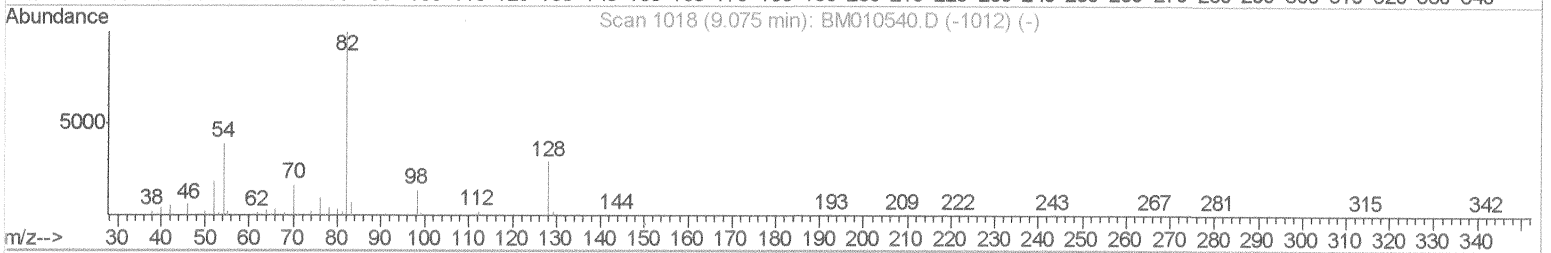
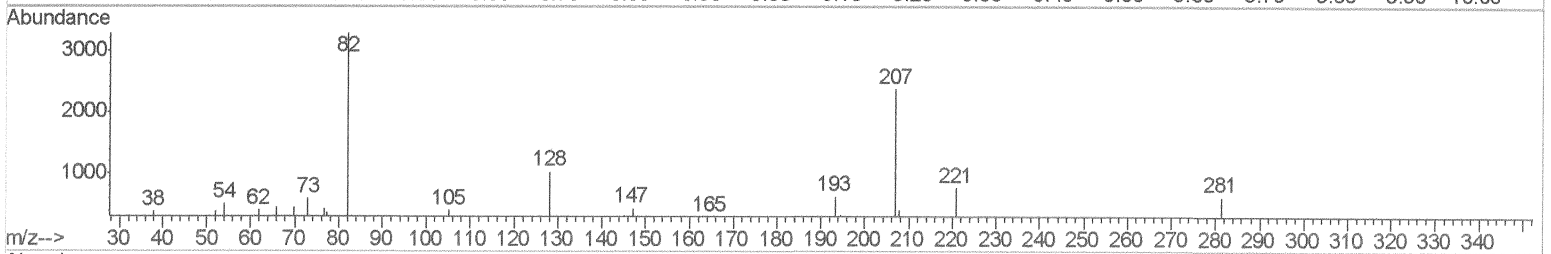
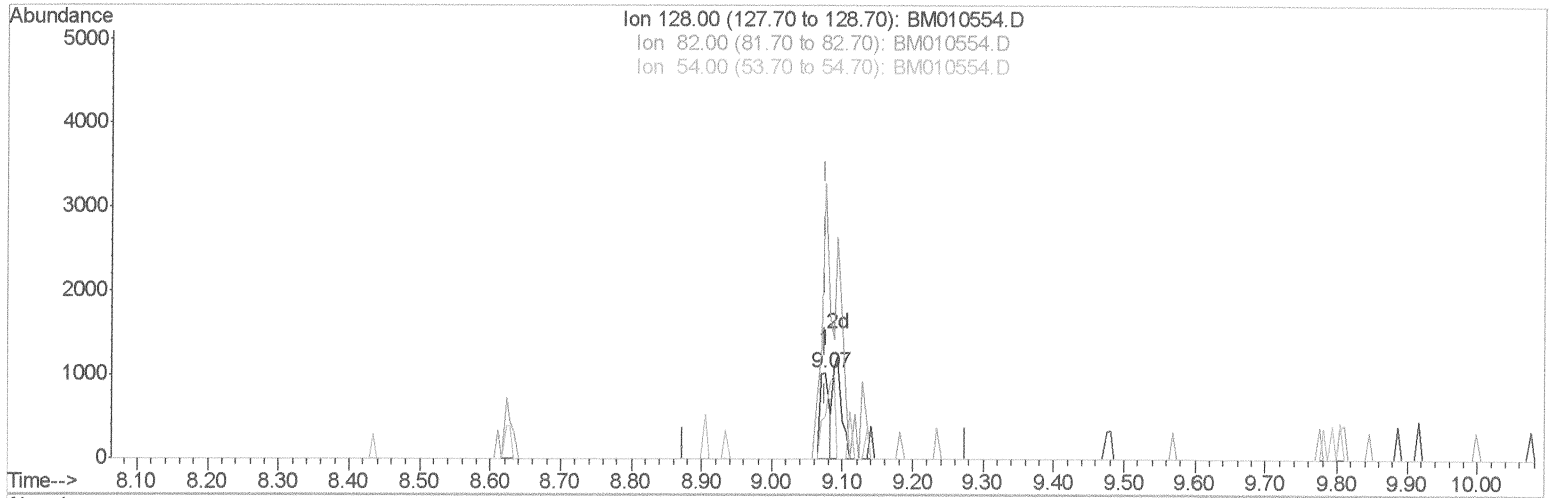
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(19) Nitrobenzene-d5 (S)

9.075min (+0.000) 0.32ng/ul

response 910

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	319.88
54.00	142.70	50.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

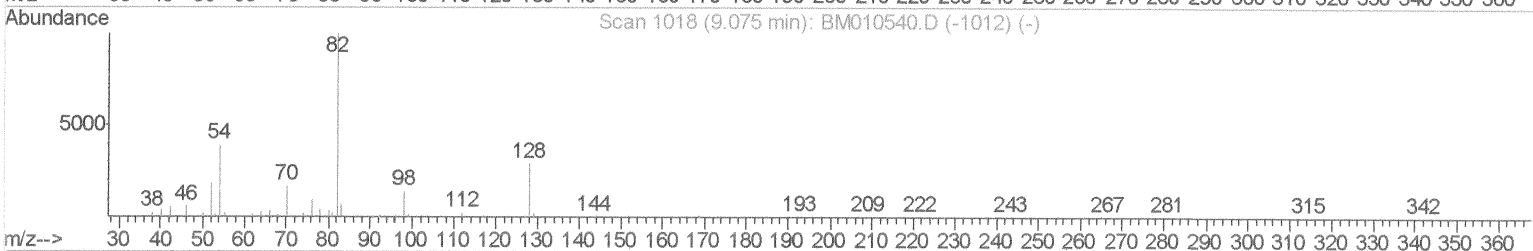
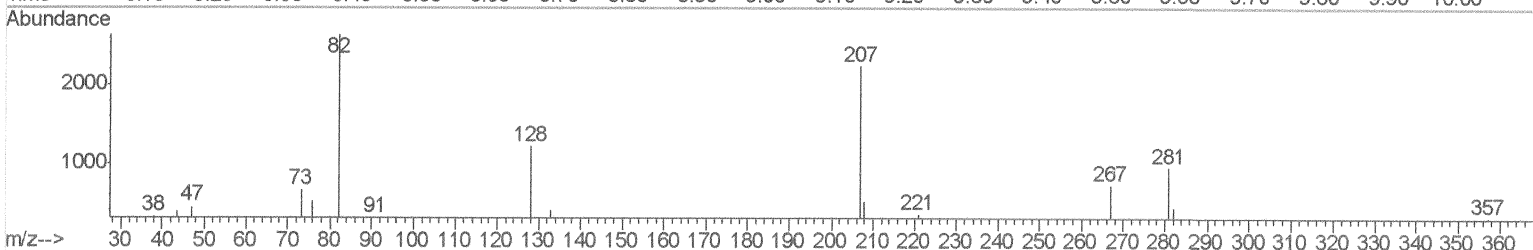
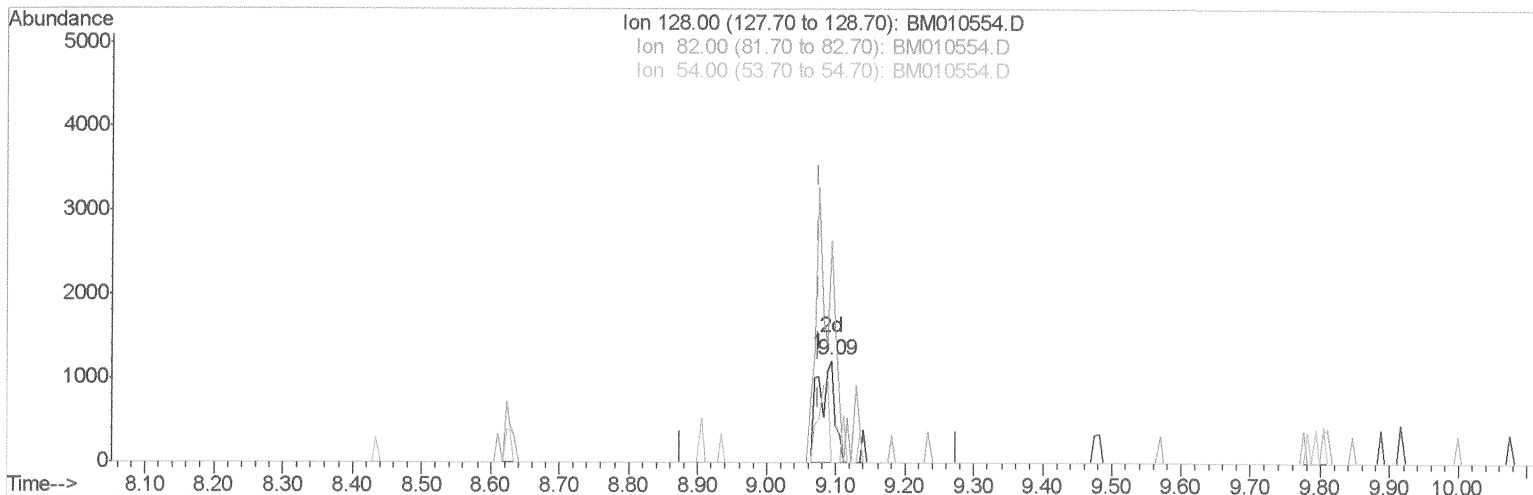
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(19) Nitrobenzene-d5 (S)

9.092min (+0.018) 0.71ng/ul m

response 1993

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	217.61#
54.00	142.70	0.00#
0.00	0.00	0.00

SJ
06/26/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

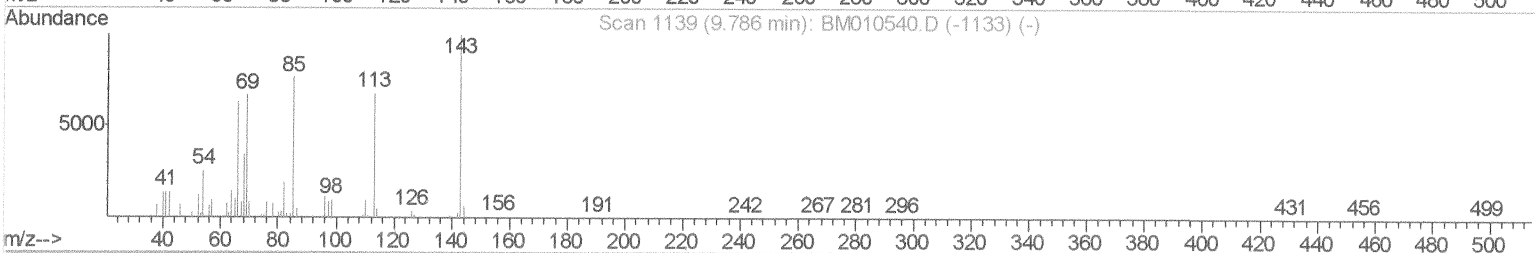
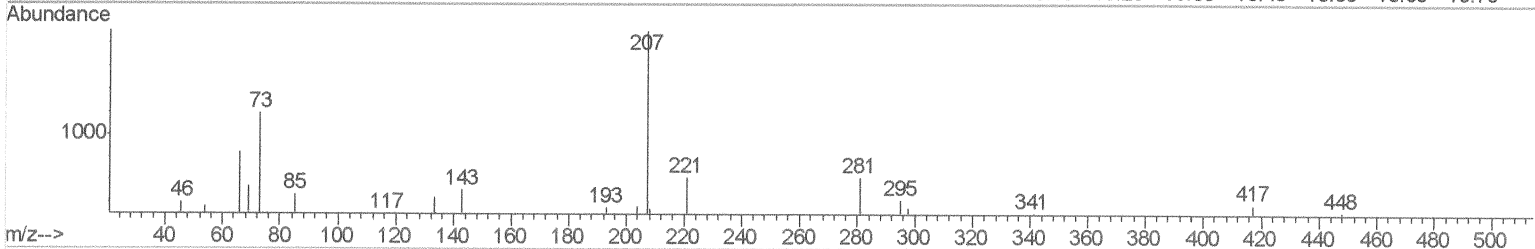
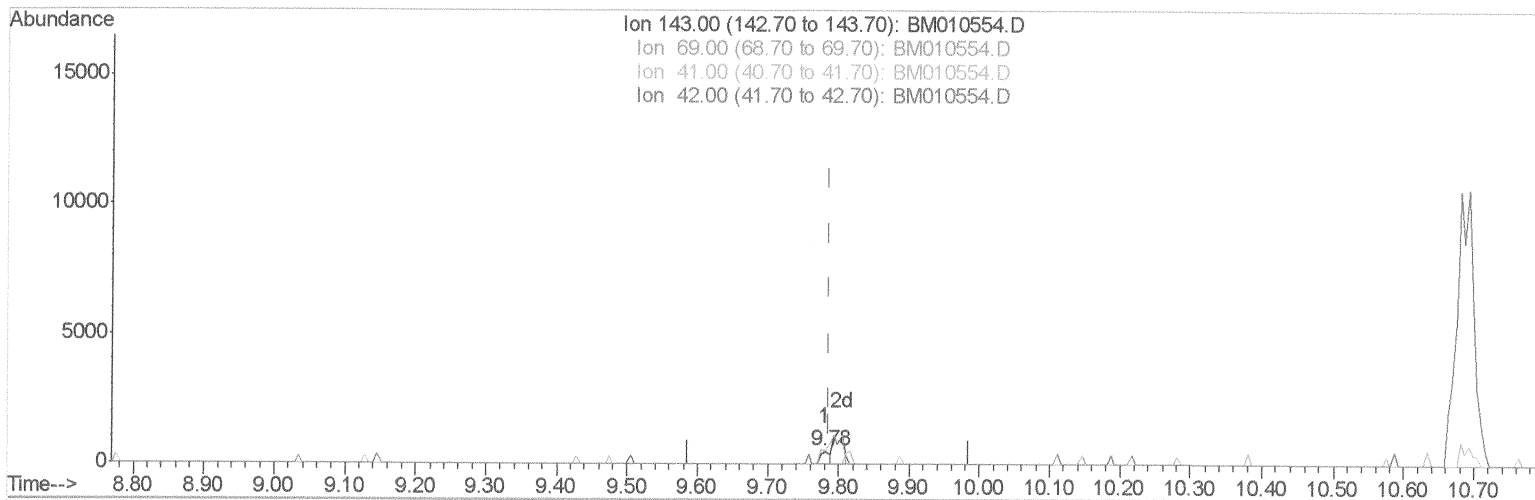
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(22) 2-Nitrophenol-d4 (S)

9.781min (-0.006) 0.14ng/ui

response 457

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	107.68#
41.00	23.80	0.00#
42.00	24.30	0.00#

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleID :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

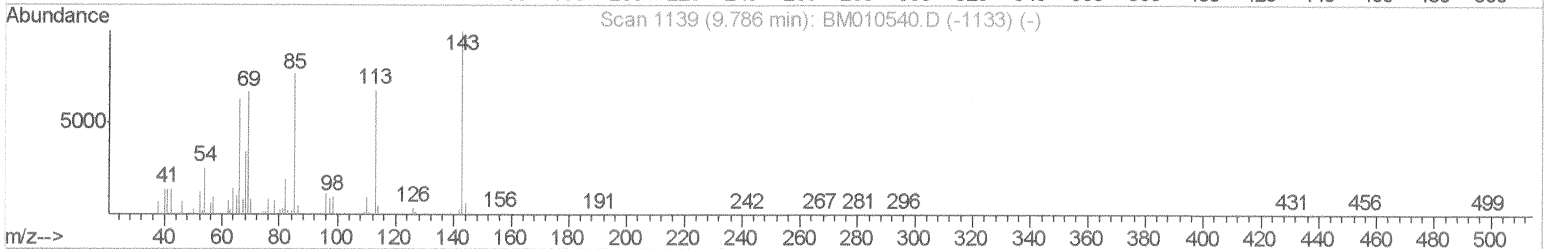
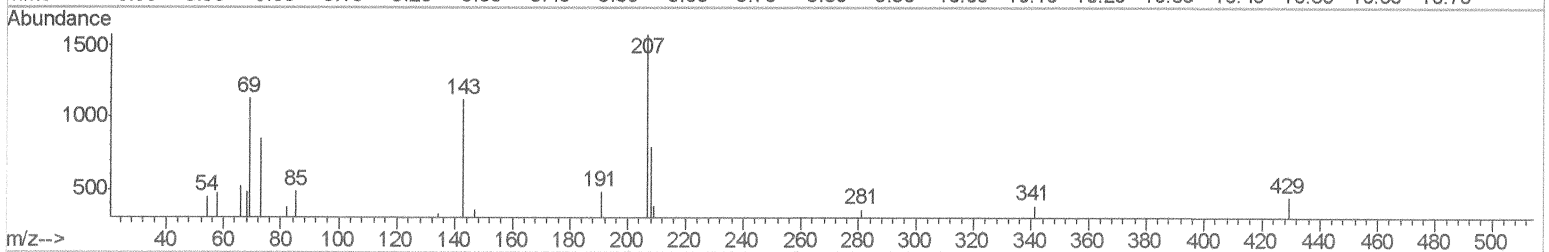
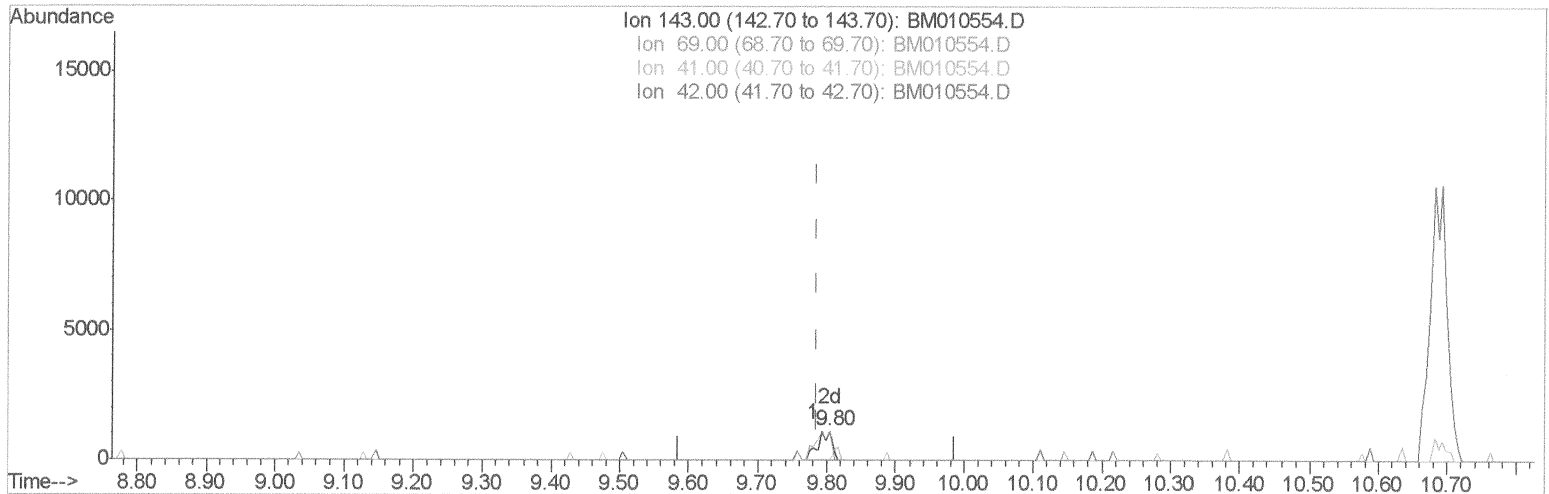
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(22) 2-Nitrophenol-d4 (S)

9.804min (+0.018) 0.50ng/ul m

response 1628

Ion	Exp%	Act%
143.00	100	100
69.00	62.50	100.54#
41.00	23.80	0.00#
42.00	24.30	0.00#

55
06/26/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

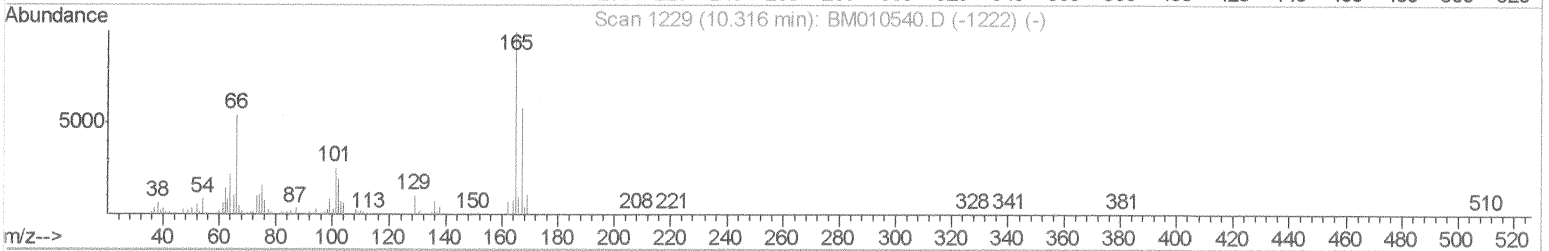
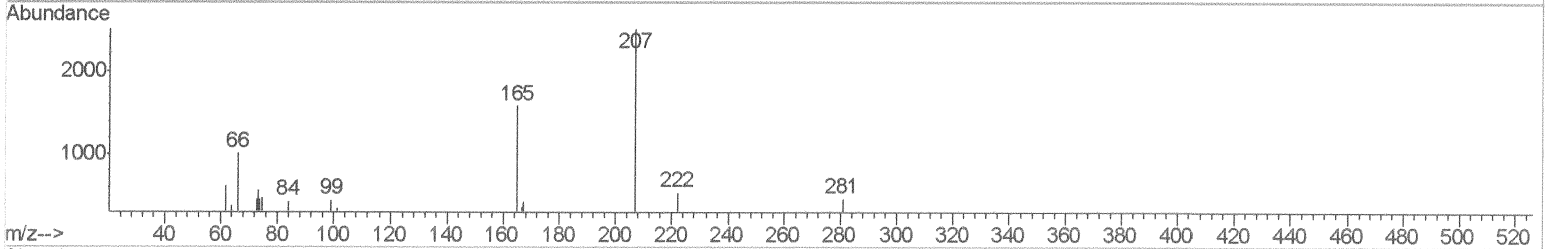
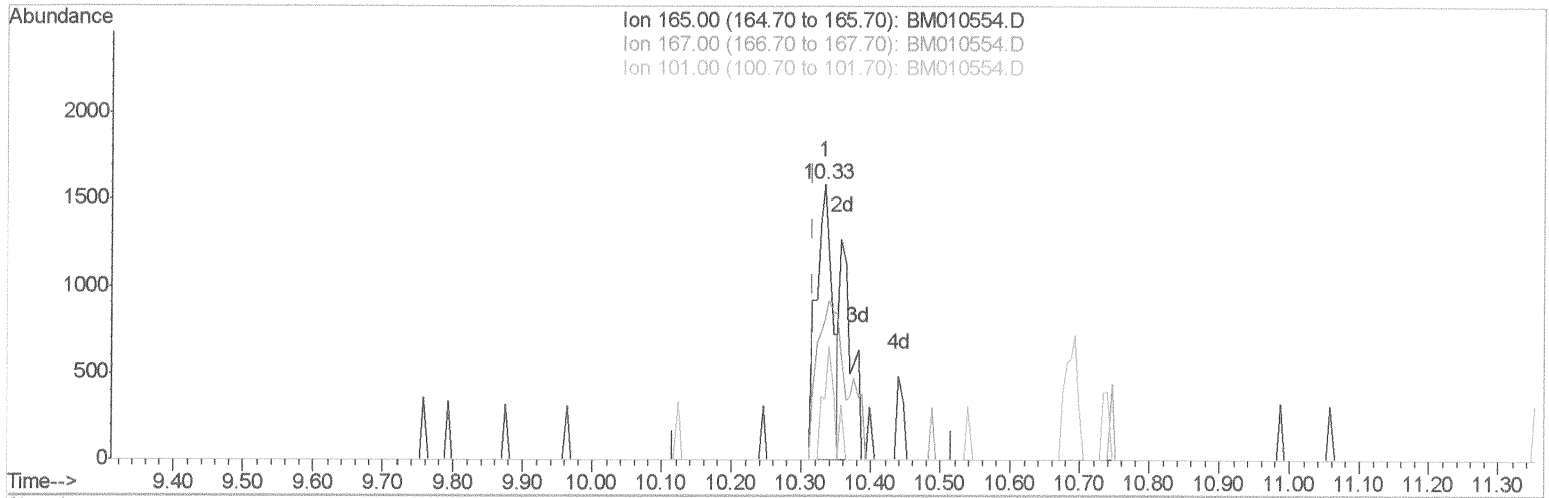
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(26) 2,4-Dichlorophenol-d3 (S)

10.334min (+0.018) 0.39ng/ul

response 2629

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	50.72#
101.00	29.30	22.47#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
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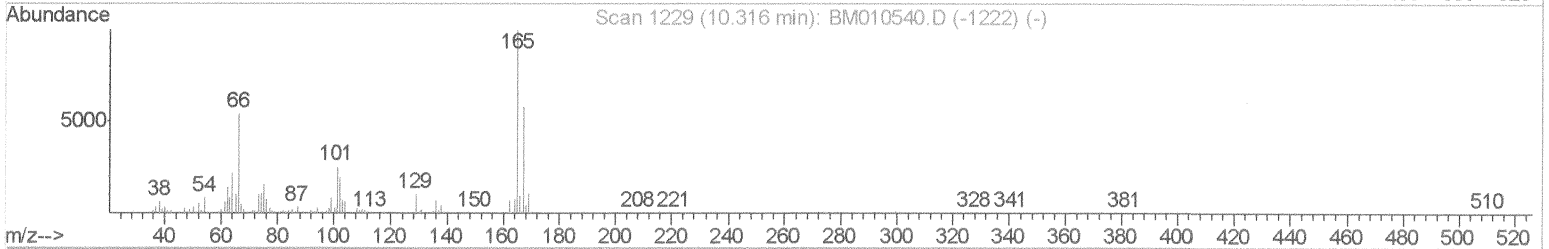
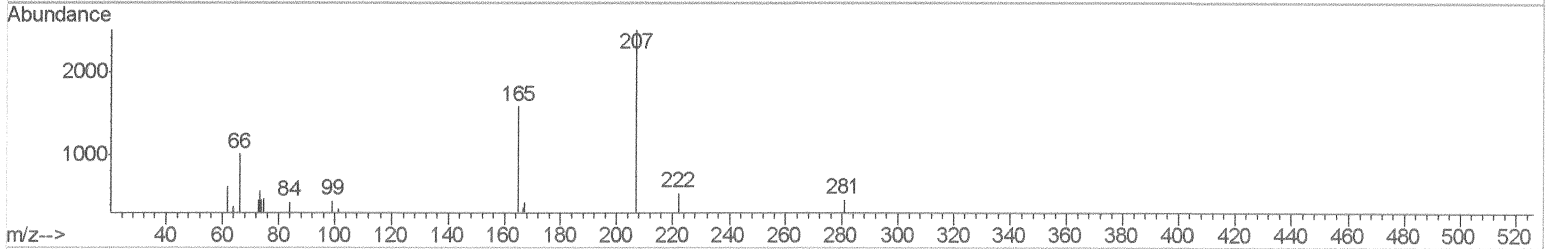
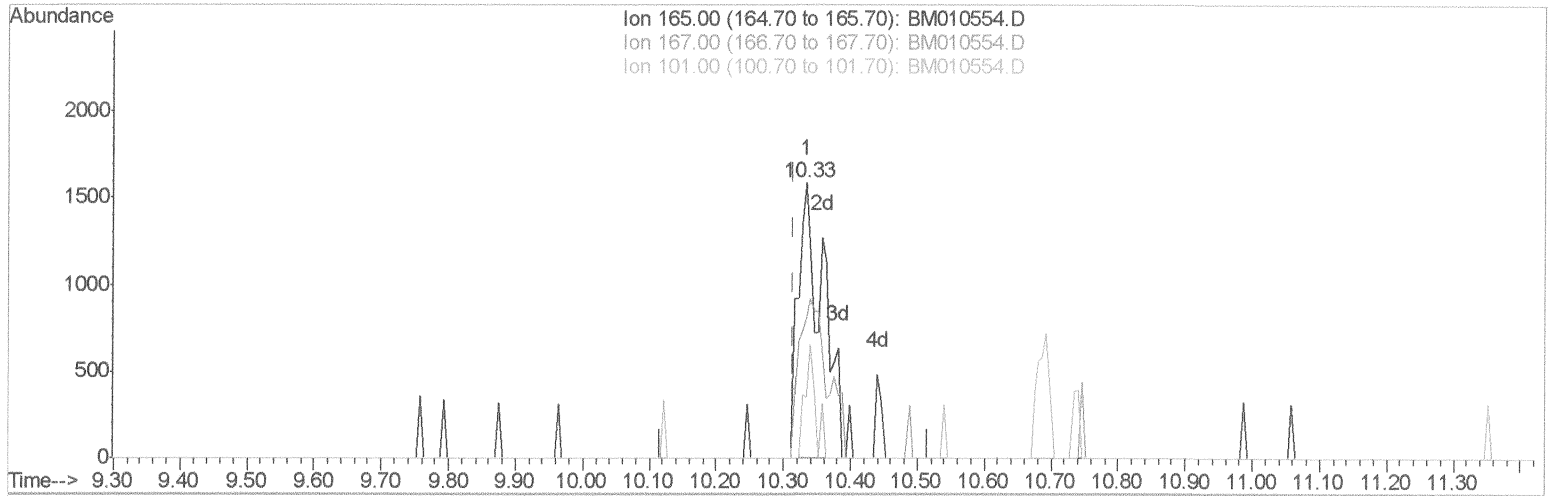
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(26) 2,4-Dichlorophenol-d3 (S)

10.334min (+0.018) 0.62ng/ul m

response 4181

Ion	Exp%	Act%
165.00	100	100
167.00	63.60	27.31#
101.00	29.30	22.47#
0.00	0.00	0.00

55
06/26/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

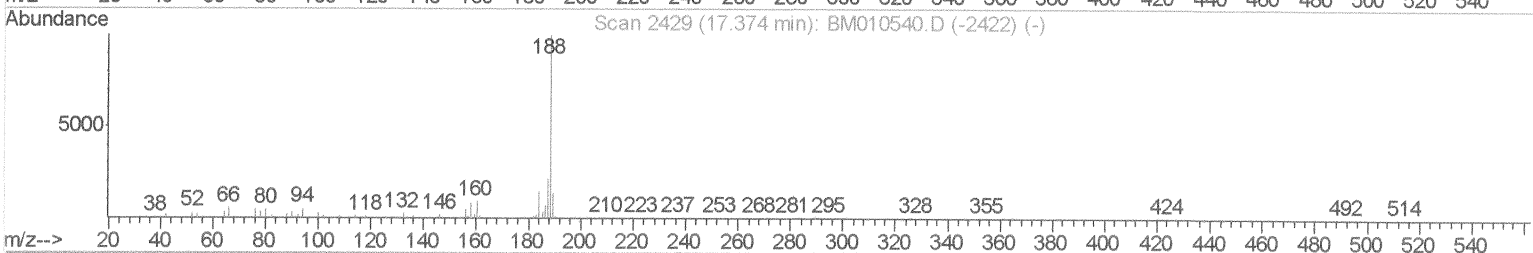
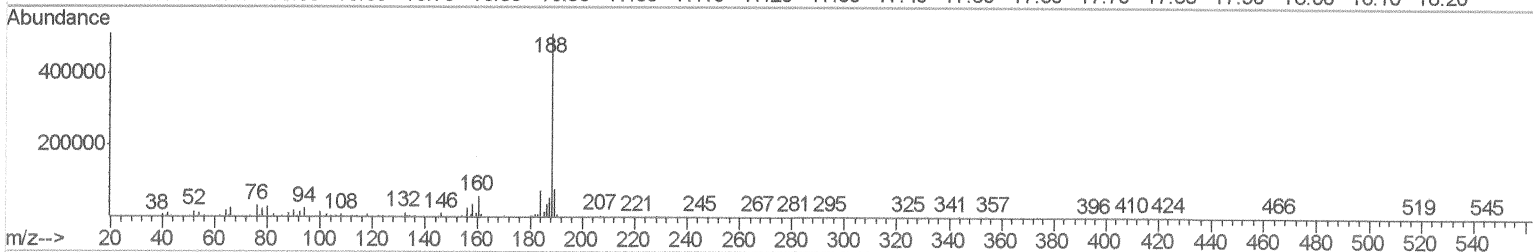
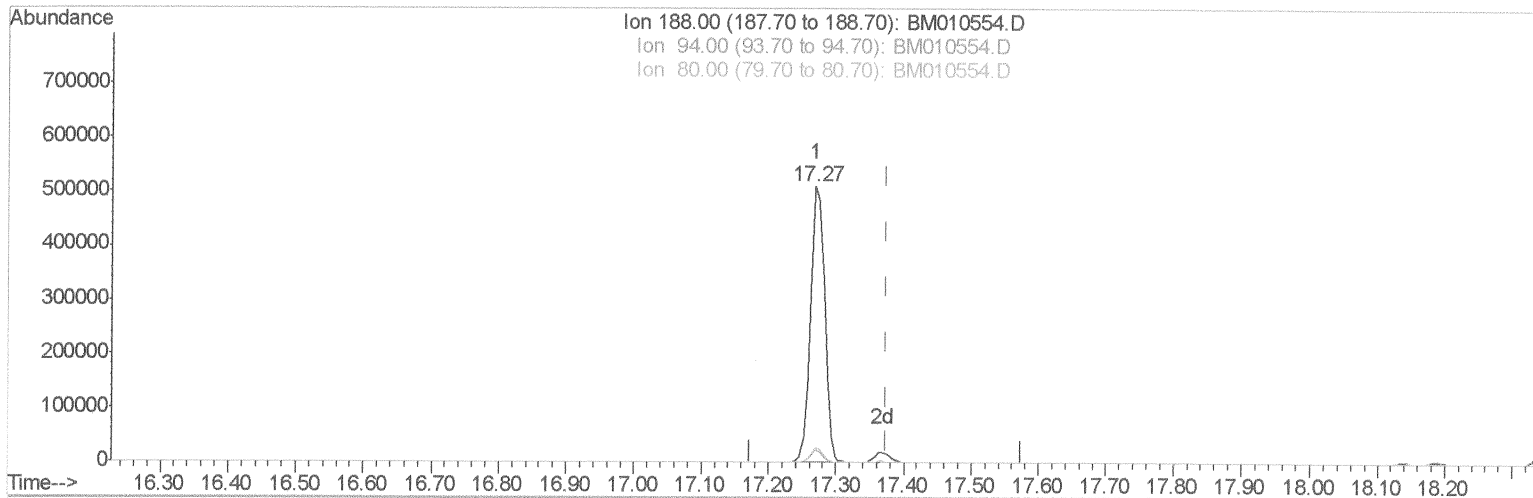
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(70) Anthracene-d10 (S)

17.268min (-0.106) 20.55ng/ul

response 731236

Ion	Exp%	Act%
188.00	100	100
94.00	5.70	4.74
80.00	5.90	5.35
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

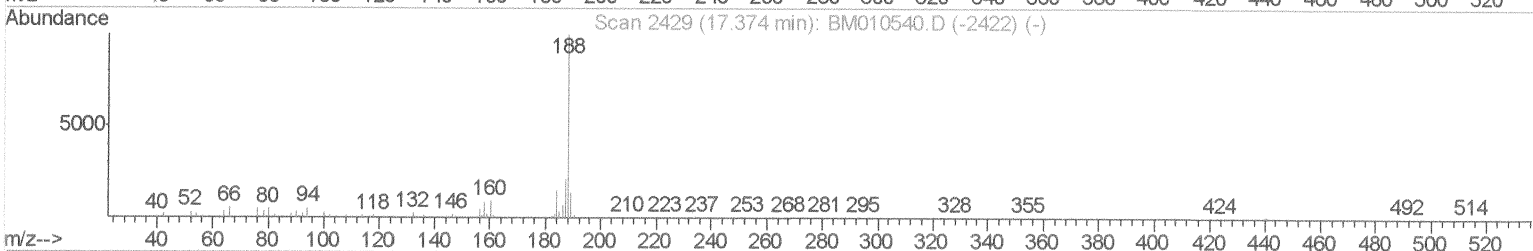
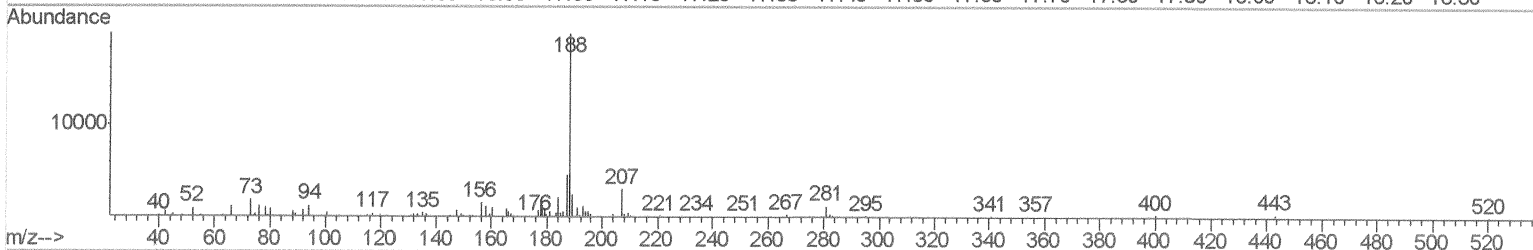
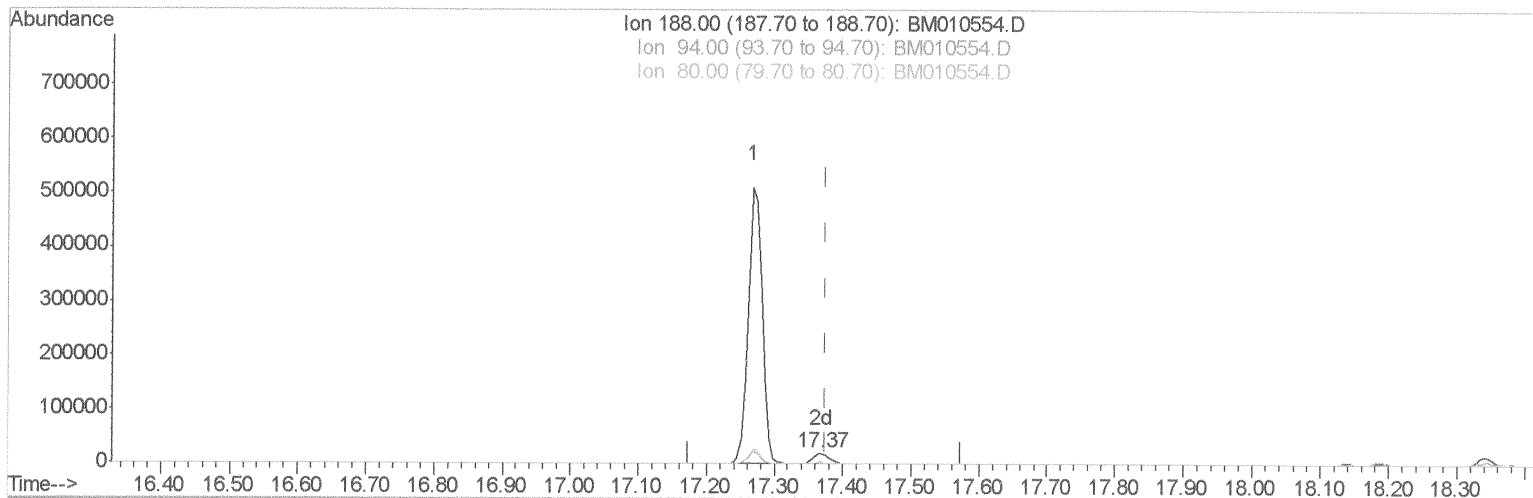
Quant Time: Jun 13 03:36:51 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(70) Anthracene-d10 (S)

17.368min (-0.006) 0.87ng/ul m

55.6/16/17

response 30926

Ion	Exp%	Act%
188.00	100	100
94.00	5.70	7.08#
80.00	5.90	5.63
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

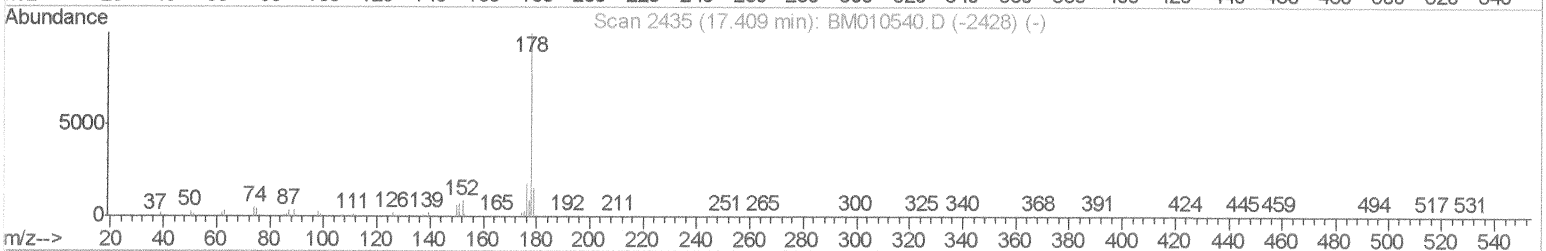
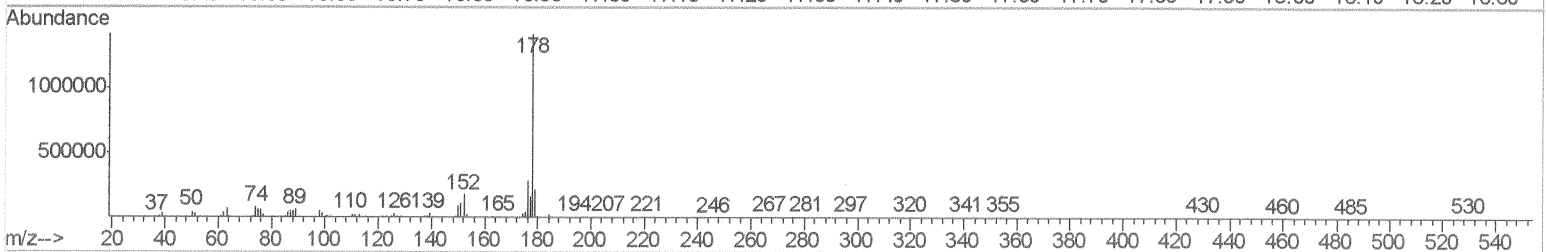
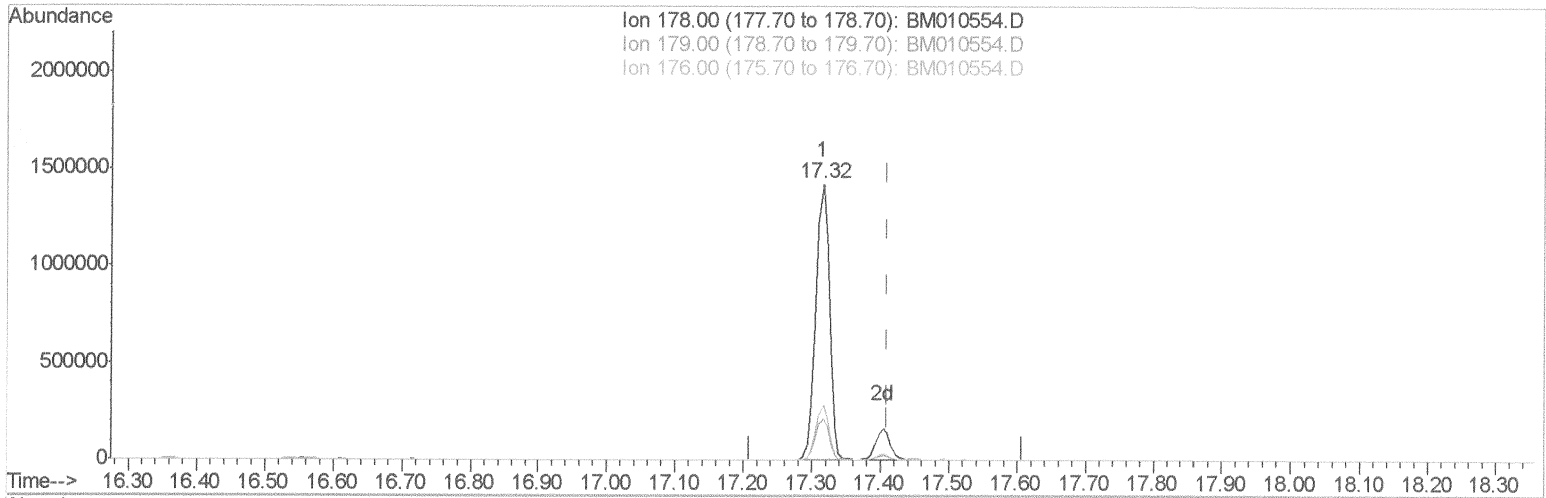
Quant Time: Jun 13 05:08:39 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(71) Anthracene

17.315min (-0.094) 47.96ng/ul

response 1954504

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	14.84
176.00	18.20	19.97
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

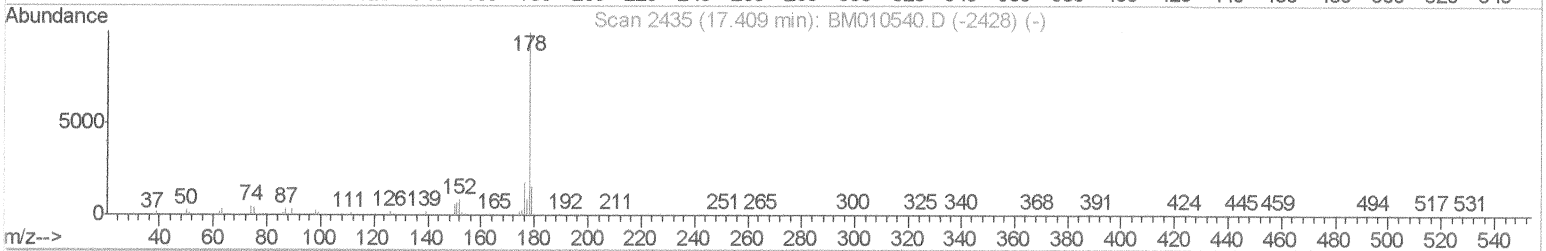
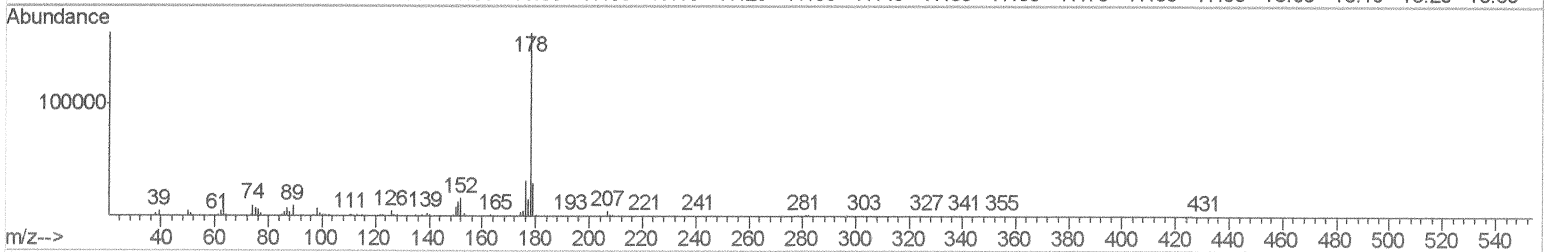
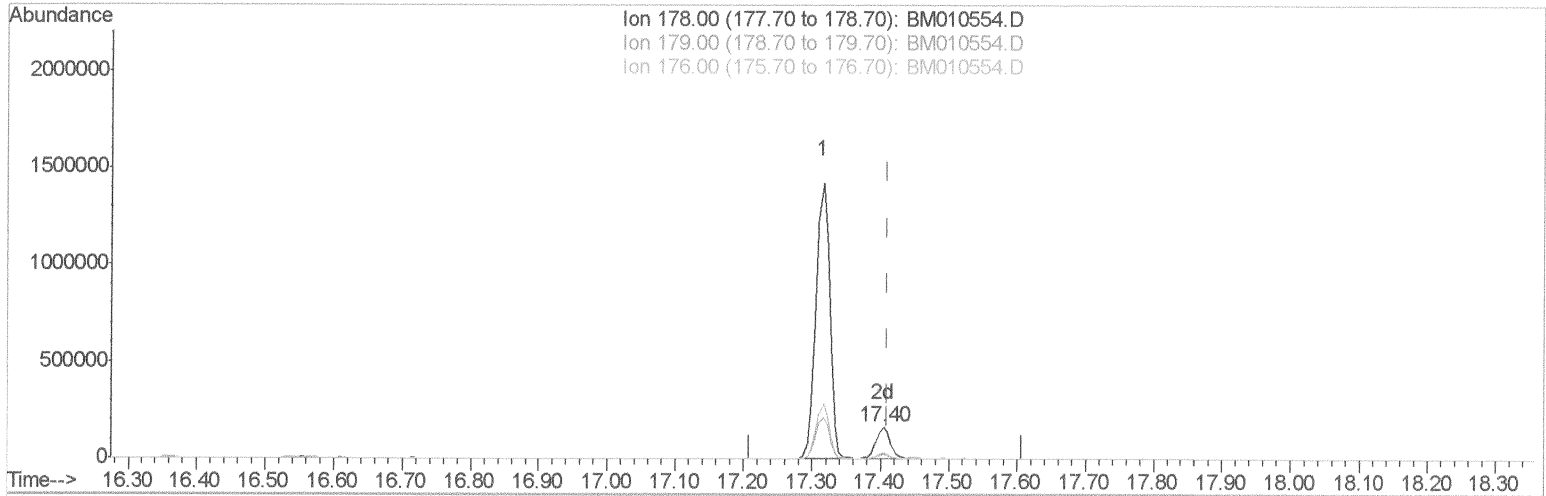
Quant Time: Jun 13 05:08:39 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(71) Anthracene

17.404min (-0.006) 6.04ng/ul m

response 246249

Ion	Exp%	Act%
178.00	100	100
179.00	14.60	17.74#
176.00	18.20	19.37
0.00	0.00	0.00

JSJ
06/26/17

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

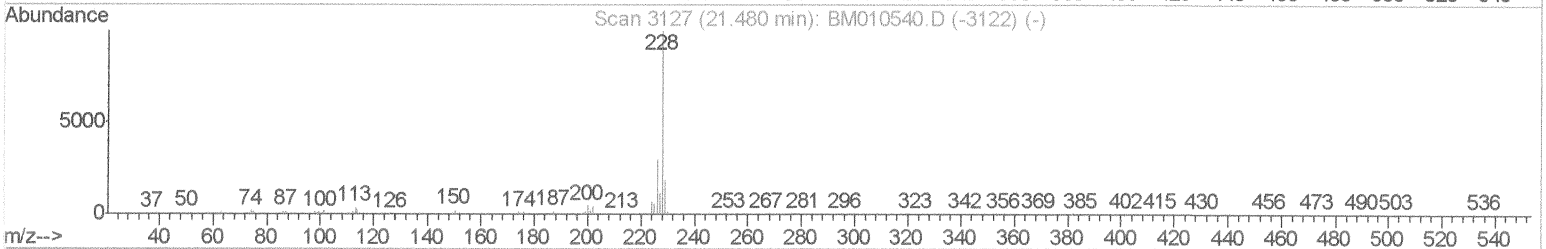
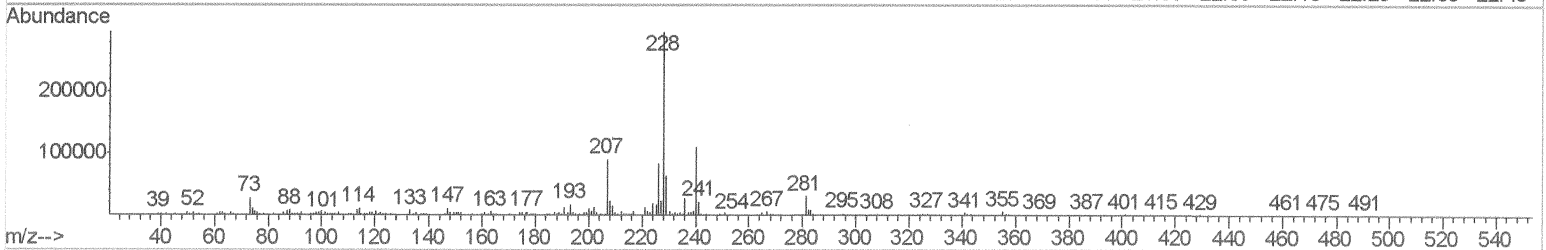
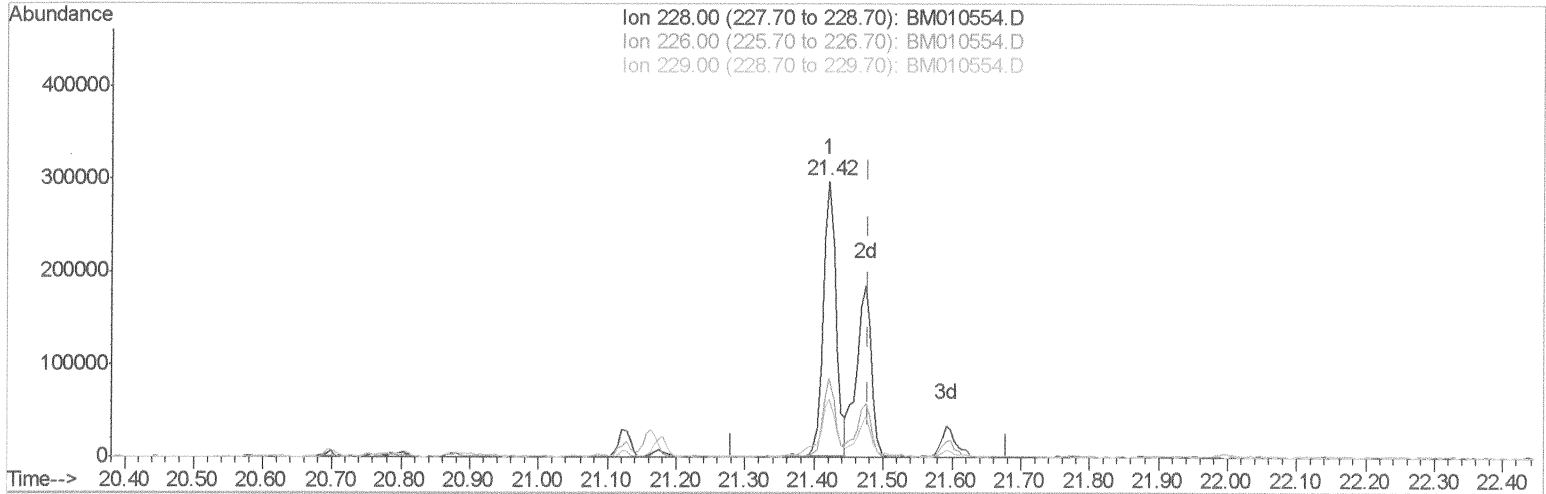
Quant Time: Jun 13 05:08:39 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(82) Chrysene

21.421min (-0.059) 6.87ng/ul

response 385247

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	28.48
229.00	19.40	21.38
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

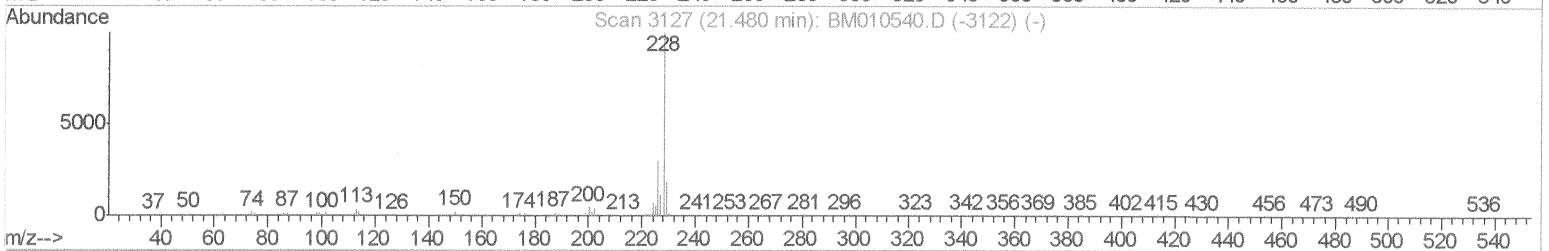
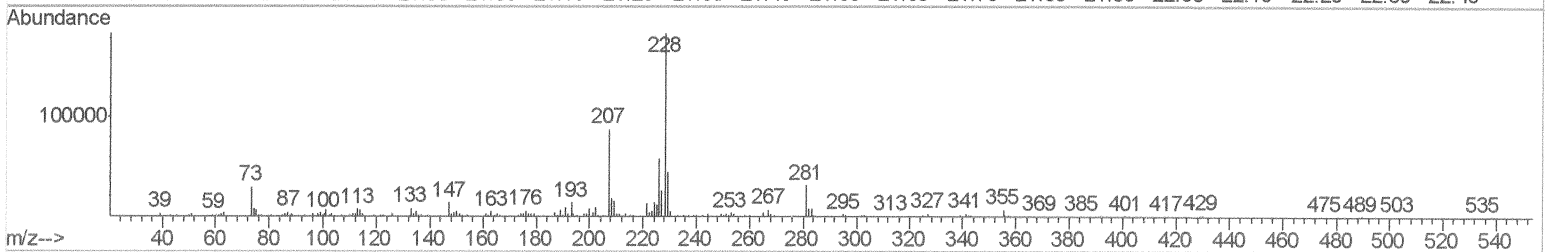
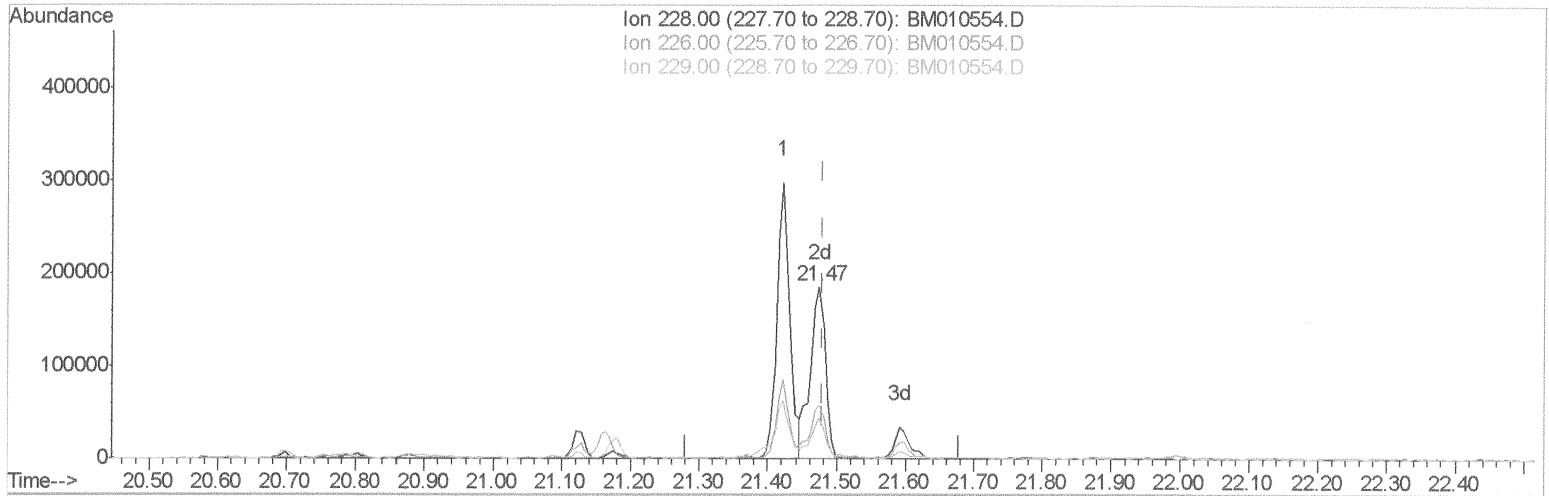
Quant Time: Jun 13 05:08:39 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(82) Chrysene

21.474min (-0.006) 5.04ng/ul m

response 282236

Ion	Exp%	Act%
228.00	100	100
226.00	29.30	31.36
229.00	19.40	24.09#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations

APPROVED

mohammad

6/13/2017 3:54:59 PM

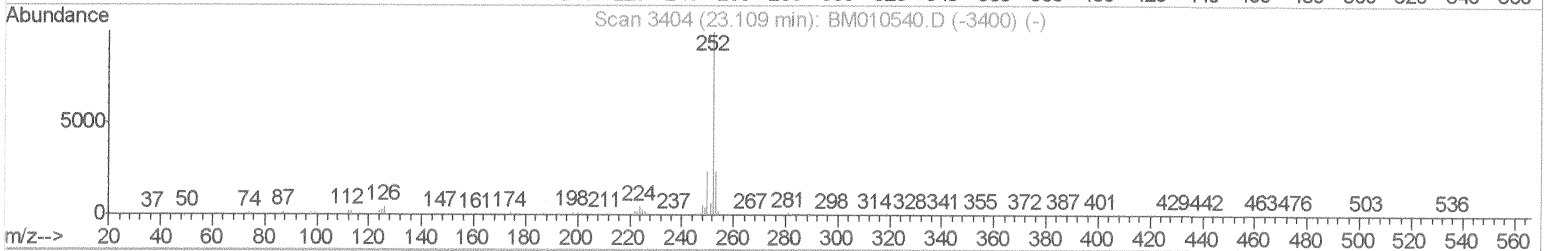
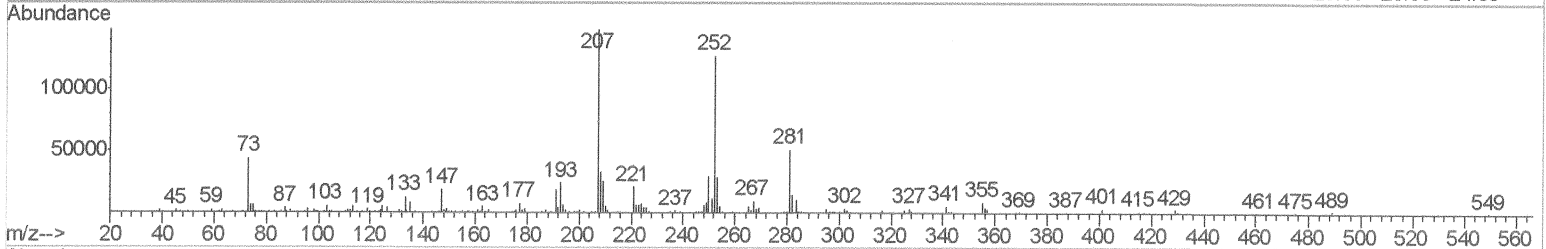
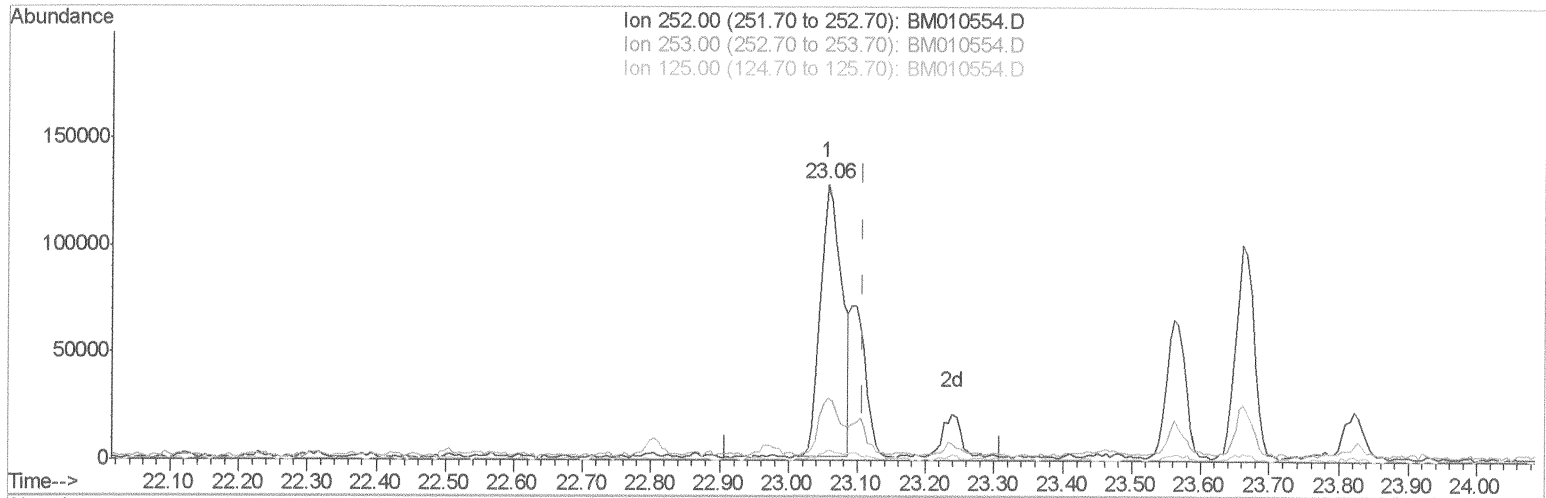
Quant Time: Jun 13 05:08:39 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(86) Benzo(k)fluoranthene

23.056min (-0.053) 4.59ng/ul

response 281149

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.80
125.00	4.30	3.93
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (Qedit)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:59 PM

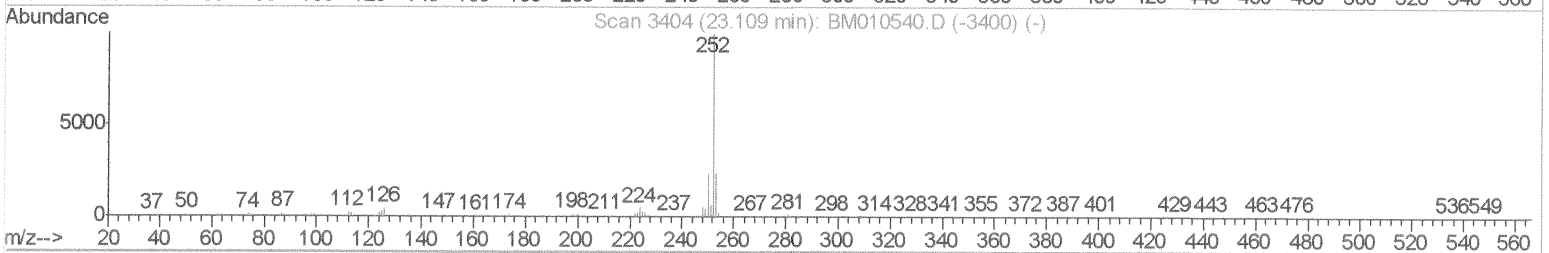
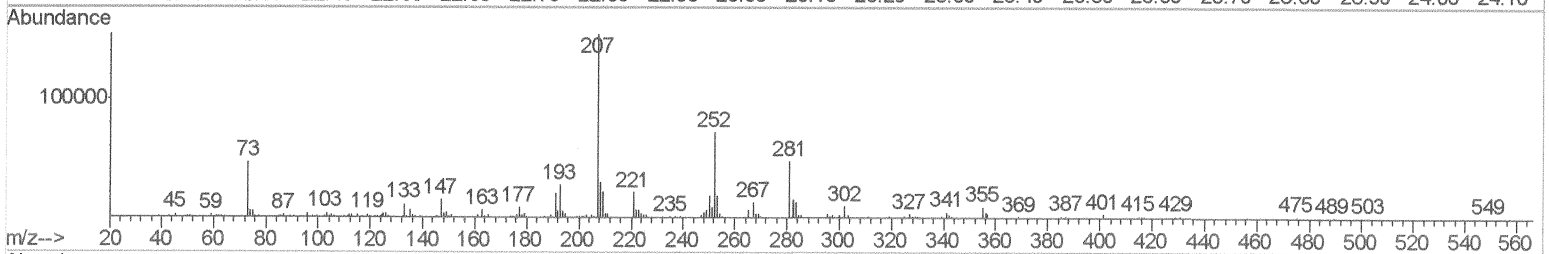
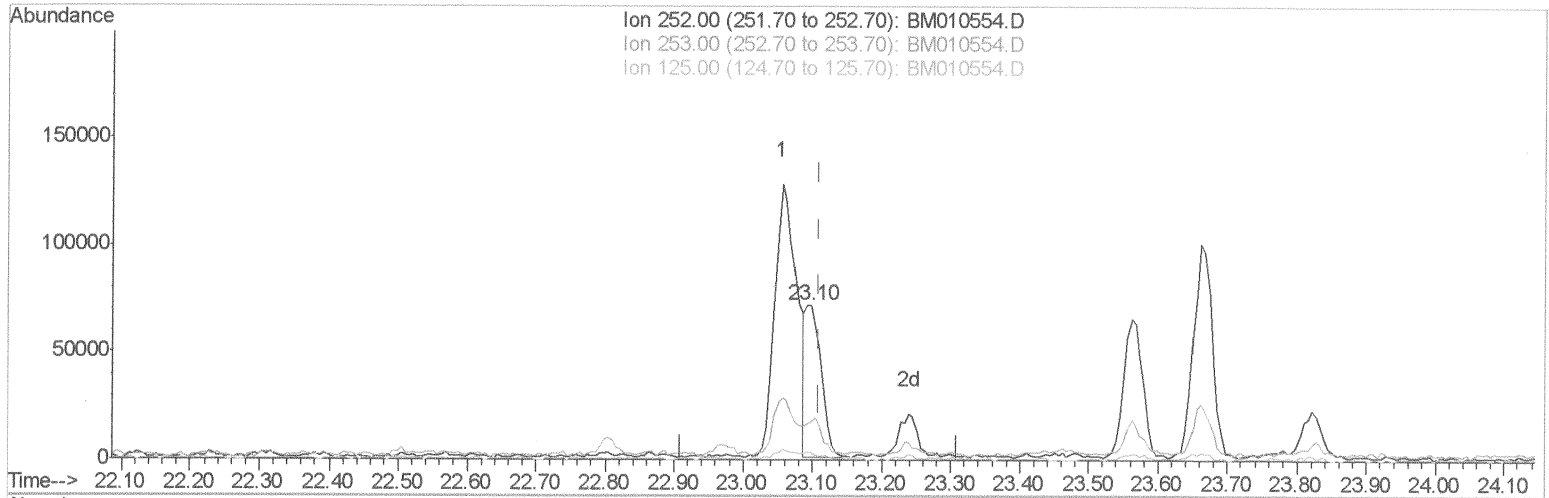
Quant Time: Jun 13 05:08:39 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration



TIC: BM010554.D

(86) Benzo(k)fluoranthene

23.097min (-0.012) 1.76ng/ul m

response 108016

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	25.36
125.00	4.30	4.70
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061217\

Quantitation Report (QT Reviewed)

Data File : BM010554.D

Acq On : 13 Jun 2017 02:32

Operator : SJ/MA

Sample : I3522-18DL2 30X

Misc :

ALS Vial : 28 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL2

Manual Integrations
APPROVEDmohammad
6/13/2017 3:54:59 PM

Quant Time: Jun 13 05:09:57 2017

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M

Quant Title : SVOA CALIBRATION

QLast Update : Tue Jun 13 03:33:28 2017

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	110917	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	384156	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	273922	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	731236	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1099582	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1101882	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0d	0.00	ng/uL	
5) Phenol-d5	7.08	99	4090	0.49	ng/ul	0.01
7) Bis-(2-Chloroethyl) ether-d	7.23	67	2538	0.54	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	1967	0.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.63	113	2824	0.42	ng/ul	0.02
19) Nitrobenzene-d5	9.09	128	1993m	0.71	ng/ul	0.02
22) 2-Nitrophenol-d4	9.80	143	1628m	0.50	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.33	165	4181m	0.62	ng/ul	0.02
29) 4-Chloroaniline-d4	10.87	131	3035	0.47	ng/ul	0.01
43) Dimethylphthalate-d6	13.94	166	17524	0.77	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	16927	0.64	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.52	176	18525	0.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.65	200	2004	0.39	ng/ul	0.00
70) Anthracene-d10	17.37	188	30926m	0.87	ng/ul	0.00
76) Pyrene-d10	19.66	212	38988	0.86	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	37965	0.74	ng/ul	0.00

Target Compounds

					Qvalue
34) 2-Methylnaphthalene	12.34	142	65296	4.47	ng/ul 95
40) 1,1'-Biphenyl	13.36	154	34124	1.54	ng/ul# 93
49) Acenaphthene	14.59	153	258705	14.22	ng/ul 97
53) Dibenzofuran	14.92	168	338212	12.57	ng/ul 96
58) Fluorene	15.57	166	360775	16.35	ng/ul 91
69) Phenanthrene	17.32	178	1954504	50.07	ng/ul 97
71) Anthracene	17.40	178	246249m	6.04	ng/ul
74) Fluoranthene	19.32	202	1377525	28.70	ng/ul# 95
77) Pyrene	19.69	202	961803	16.97	ng/ul# 94
80) Benzo(a)anthracene	21.42	228	385247	6.21	ng/ul 96
82) Chrysene	21.47	228	282236m	5.04	ng/ul
85) Benzo(b)fluoranthene	23.06	252	281149	4.38	ng/ul 99
86) Benzo(k)fluoranthene	23.10	252	108016m	1.76	ng/ul
88) Benzo(a)pyrene	23.66	252	186957	2.94	ng/ul# 94
89) Indeno(1,2,3-cd)pyrene	26.14	276	83733	1.04	ng/ul 97

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