

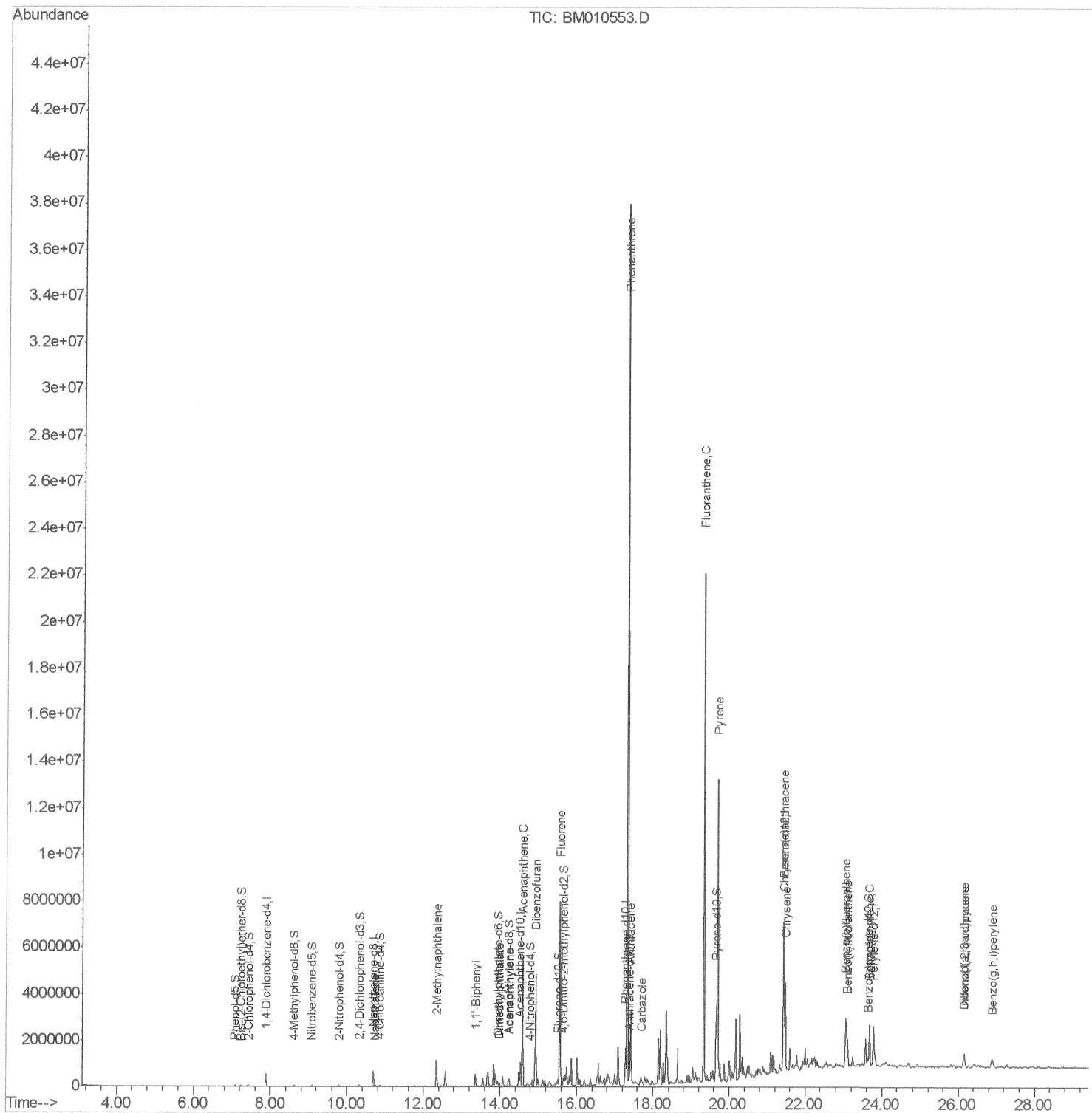
Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C32DL

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:53 PM

Quant Time: Jun 13 05:01:33 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 : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 13 03:36:33 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

Instrument :

BNA_M

ClientSampleId :

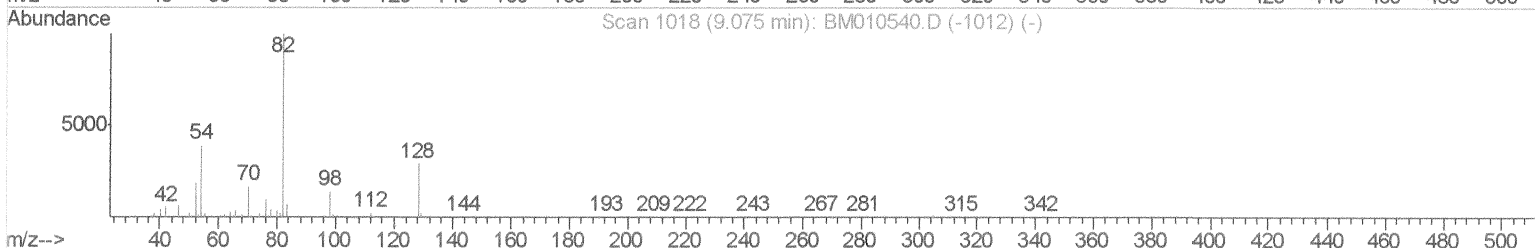
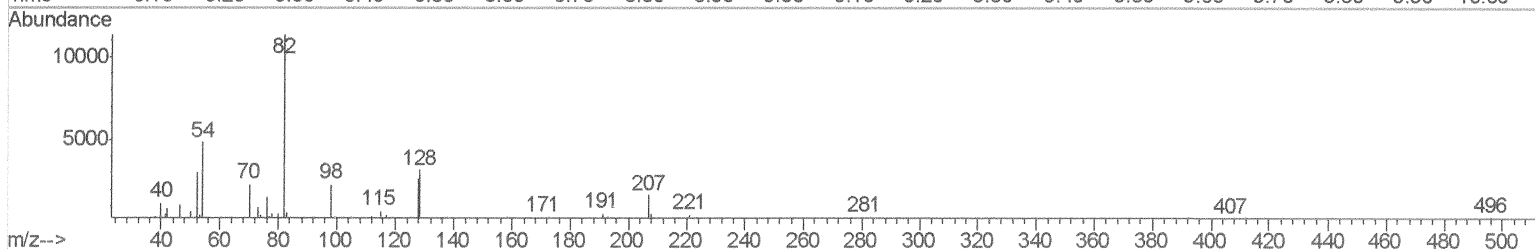
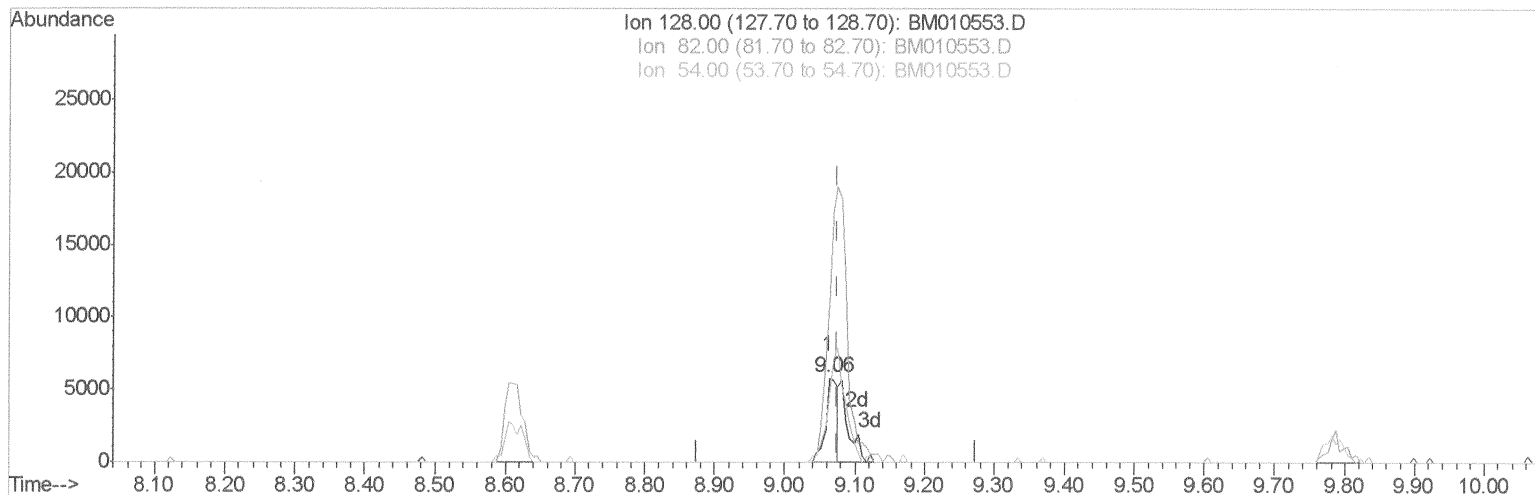
F5C32DL

Manual Integrations

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6/13/2017 3:54:53 PM



TIC: BM010553.D

(19) Nitrobenzene-d5 (S)

9.063min (-0.012) 2.47ng/ul

response 7191

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	195.80#
54.00	142.70	83.21#
0.00	0.00	0.00

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
APPROVED

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6/13/2017 3:54:53 PM

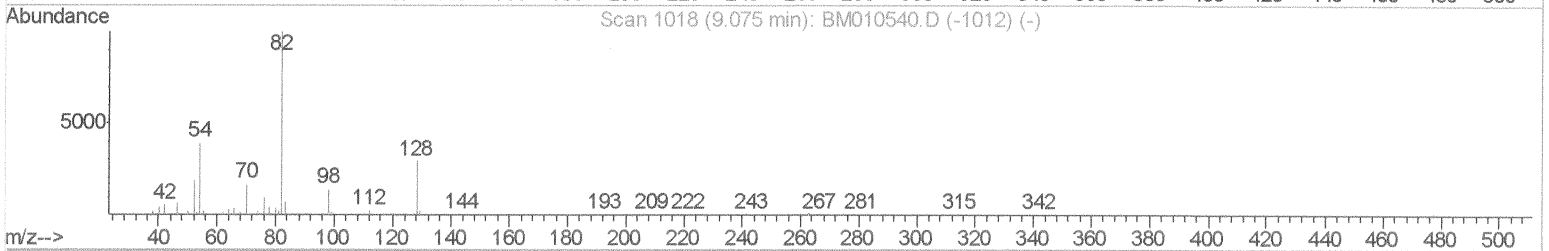
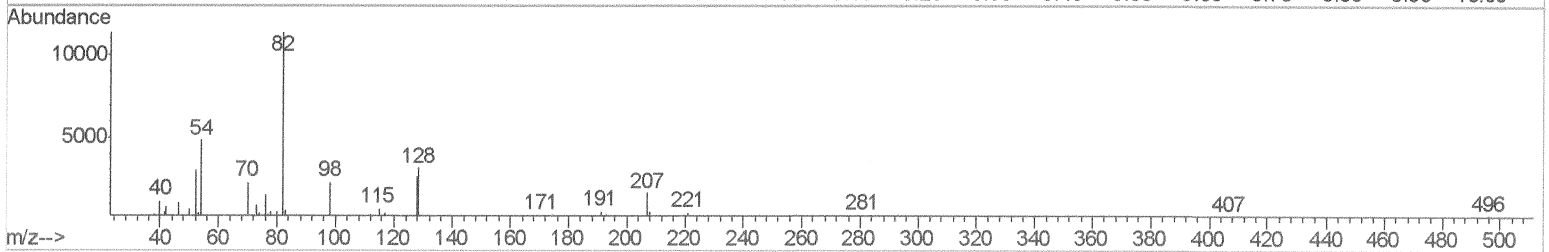
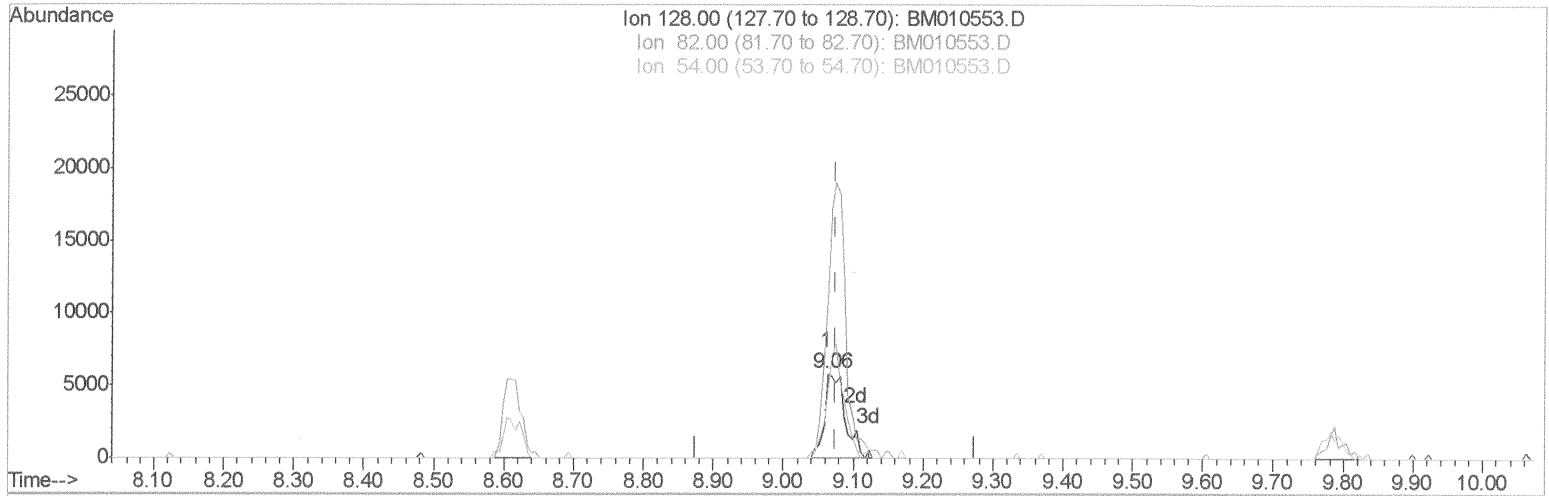
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(19) Nitrobenzene-d5 (S)

9.063min (-0.012) 4.22ng/ul m

response 12262

Ion	Exp%	Act%
128.00	100	100
82.00	297.40	357.39#
54.00	142.70	151.89
0.00	0.00	0.00

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
APPROVED

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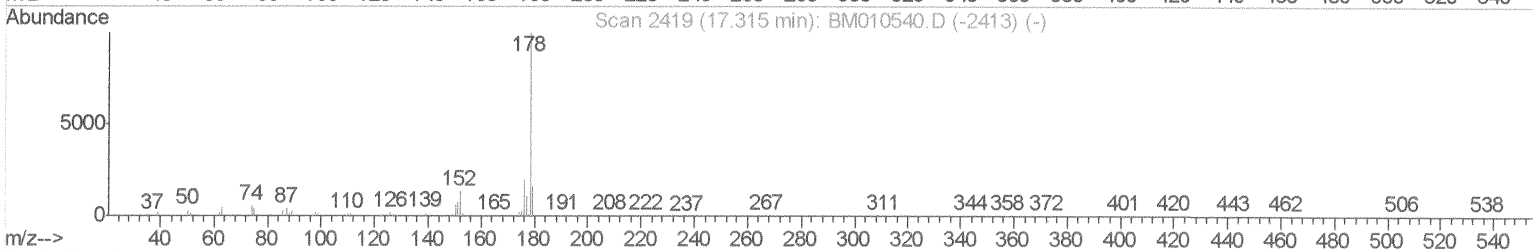
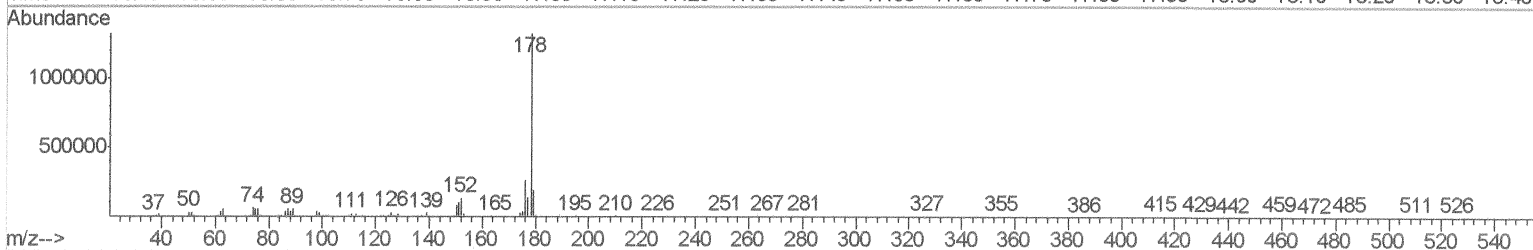
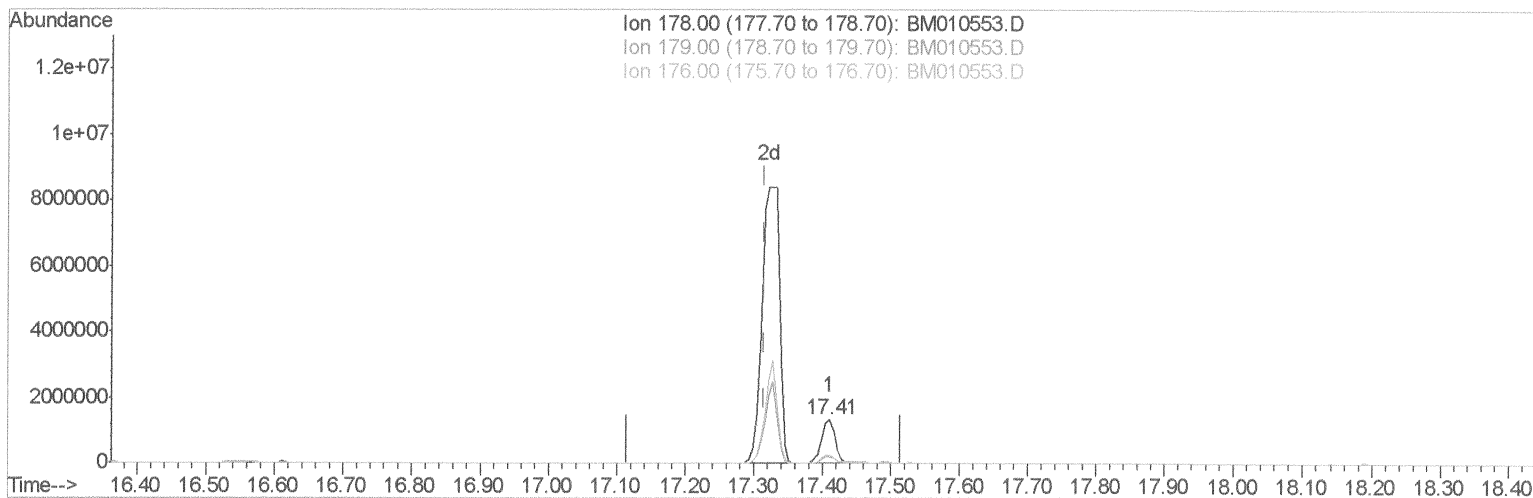
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(69) Phenanthrene

17.409min (+0.094) 39.07ng/ui

response 1771088

Ion Exp% Act%

178.00 100 100

179.00 15.80 14.69

176.00 18.60 19.58

0.00 0.00 0.00

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
APPROVED

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6/13/2017 3:54:53 PM

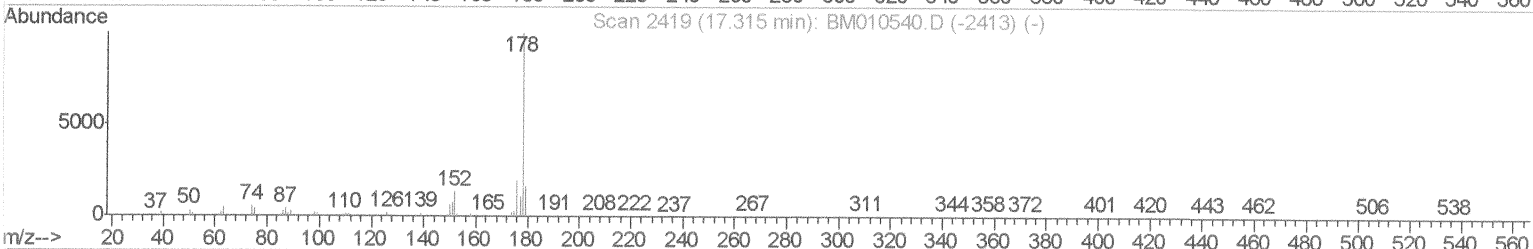
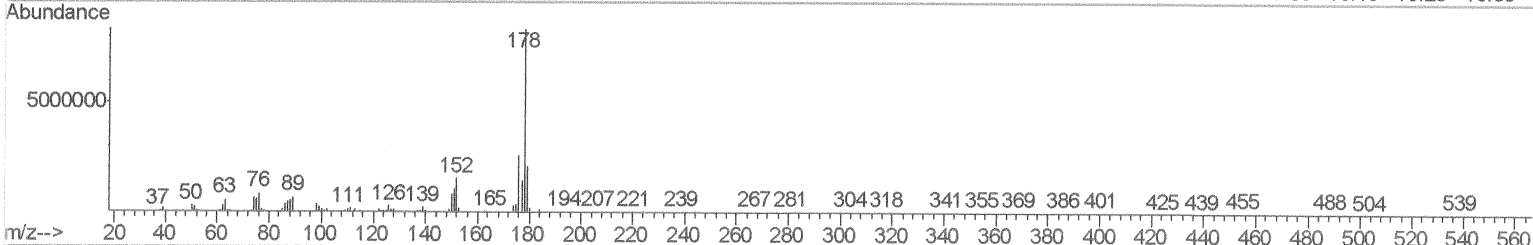
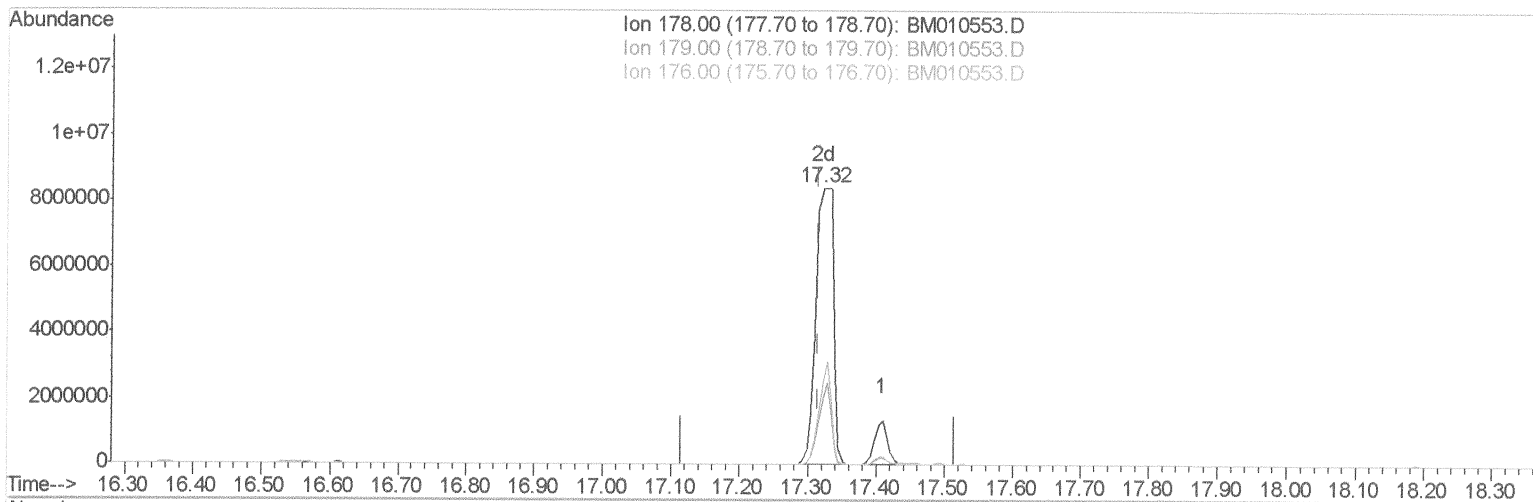
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(69) Phenanthrene

17.321min (+0.006) 328.25ng/ul m

response 14879161

Ion	Exp%	Act%
178.00	100	100
179.00	15.80	24.47#
176.00	18.60	30.66#
0.00	0.00	0.00

35
06/26/17

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
APPROVED

mohammad
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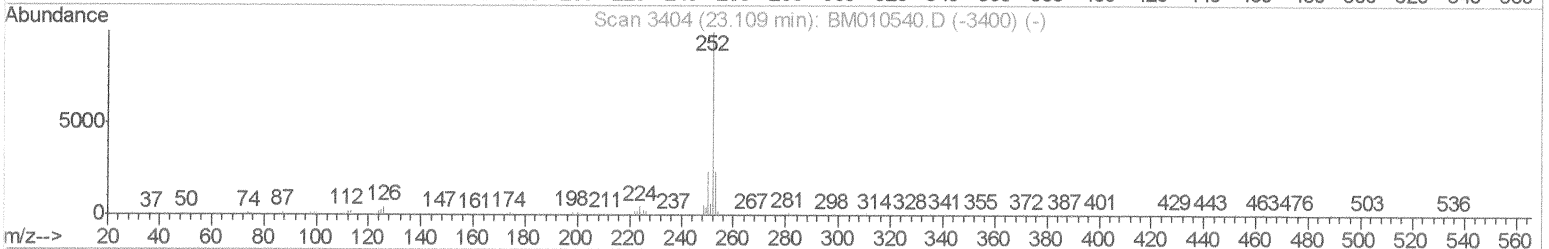
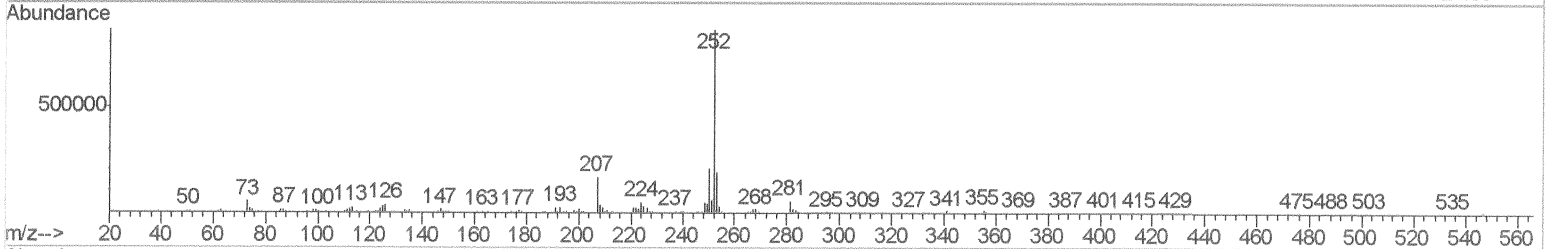
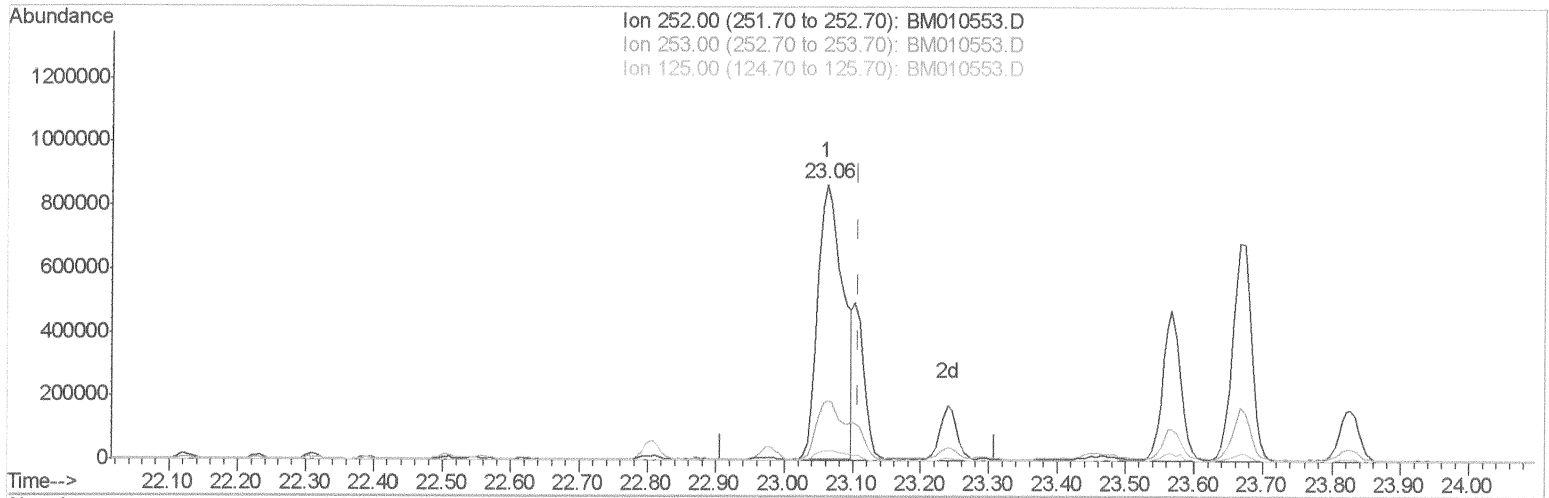
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(86) Benzo(k)fluoranthene

23.062min (-0.047) 30.90ng/ul

response 2253944

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.00
125.00	4.30	3.44
0.00	0.00	0.00

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
APPROVED

mohammad
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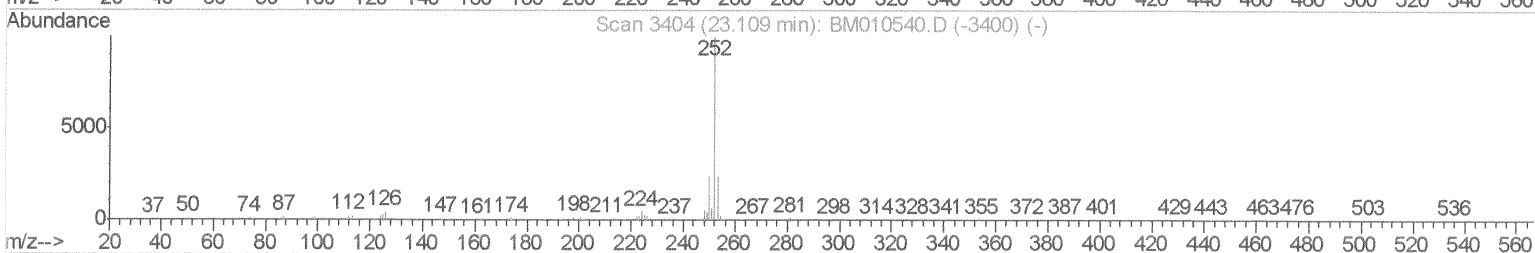
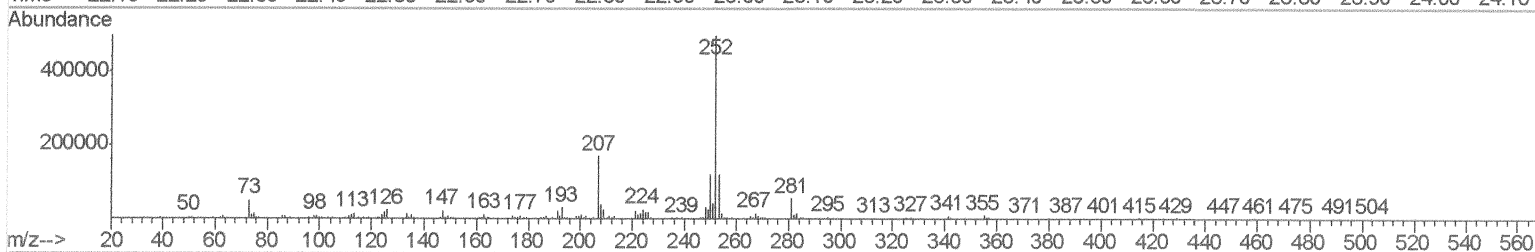
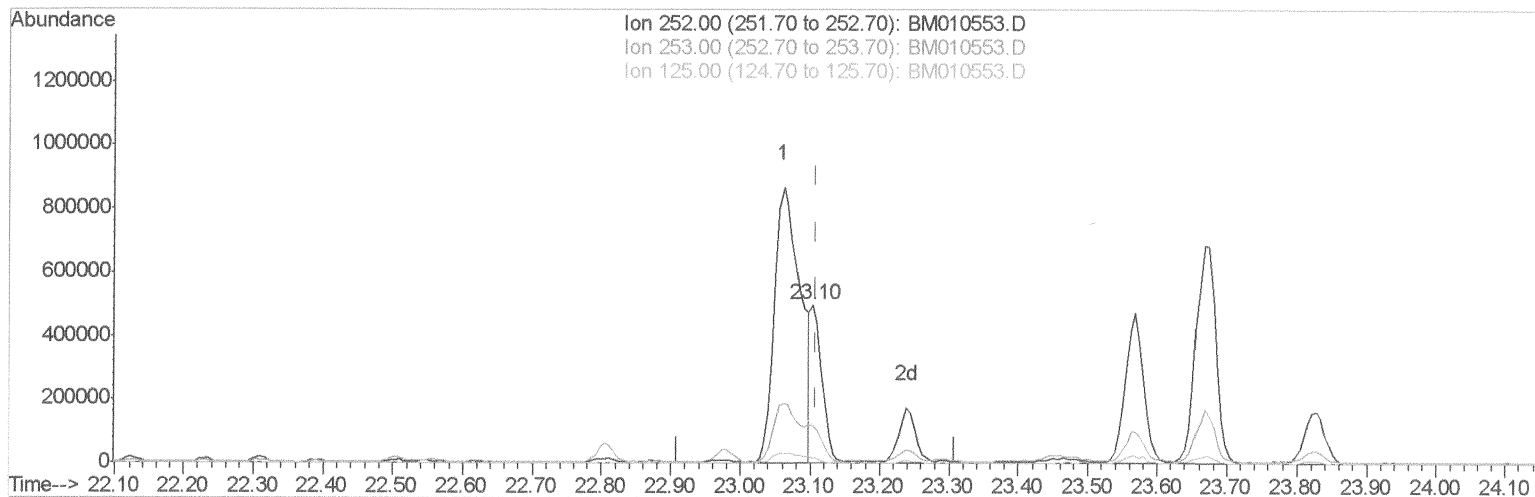
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(86) Benzo(k)fluoranthene

23.103min (-0.006) 7.48ng/ul m

response 545623

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.13
125.00	4.30	3.52
0.00	0.00	0.00

85
06/26/17

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
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6/13/2017 3:54:53 PM

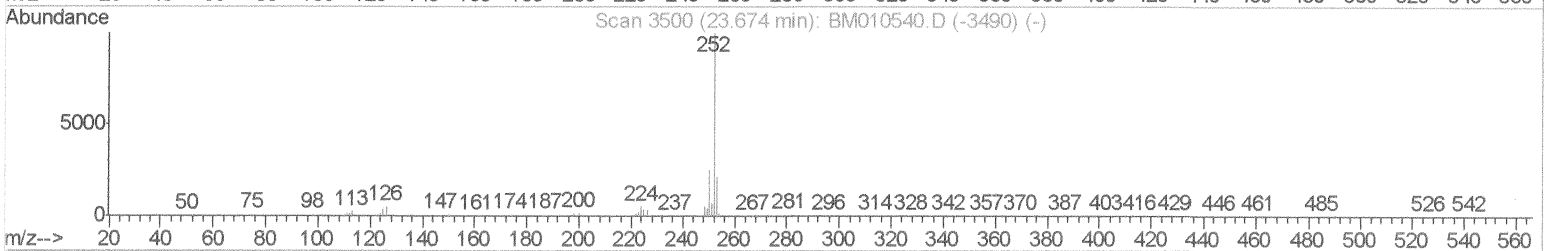
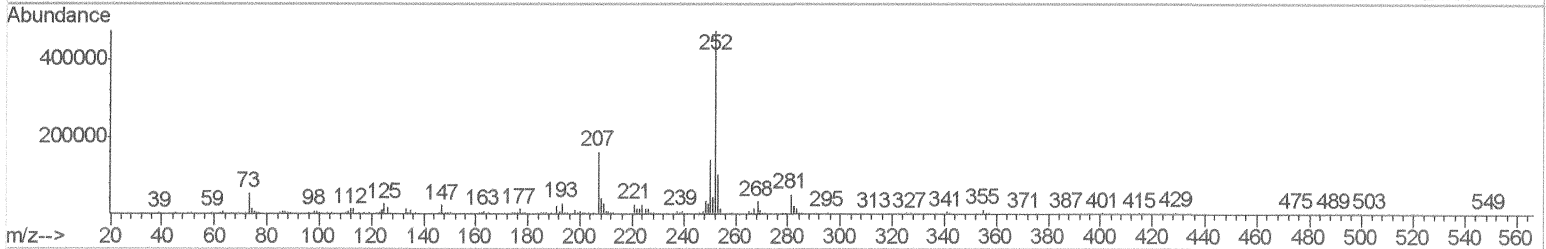
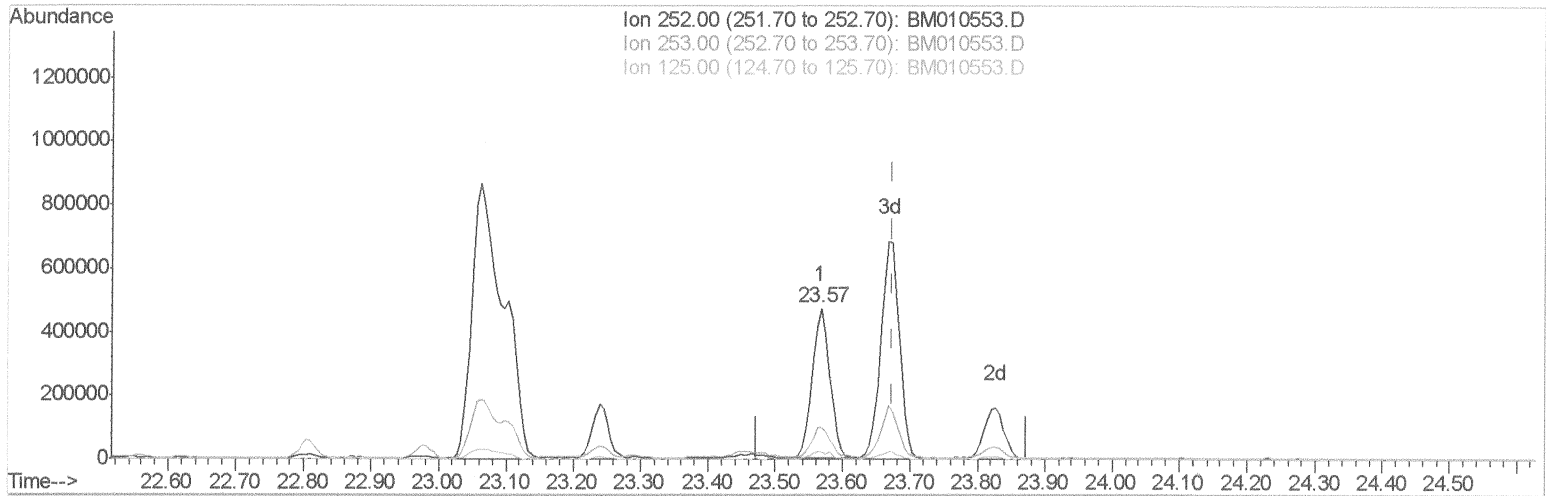
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(88) Benzo(a)pyrene (C)

23.568min (-0.106) 11.18ng/ul

response 845777

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.15
125.00	5.00	5.24
0.00	0.00	0.00

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:53 PM

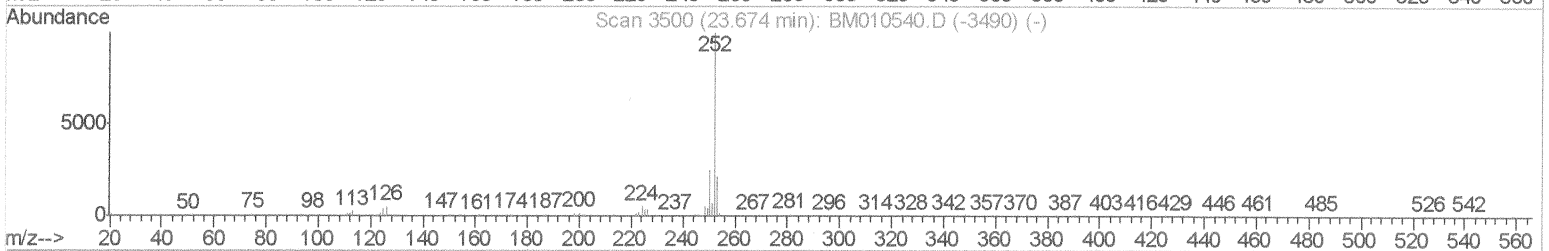
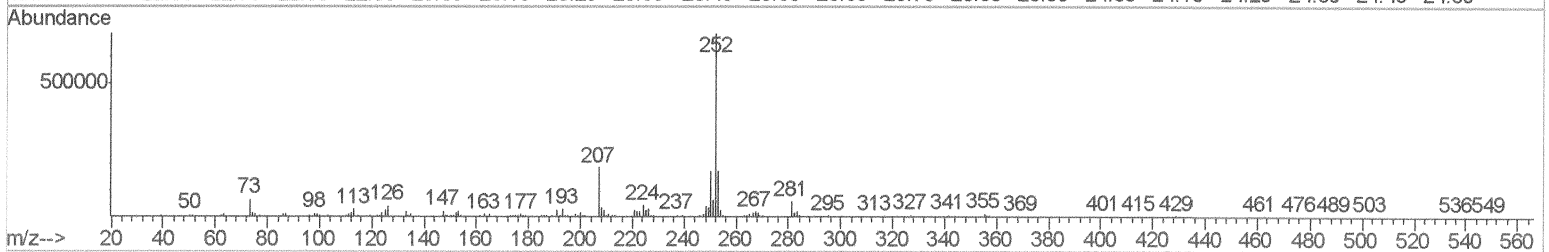
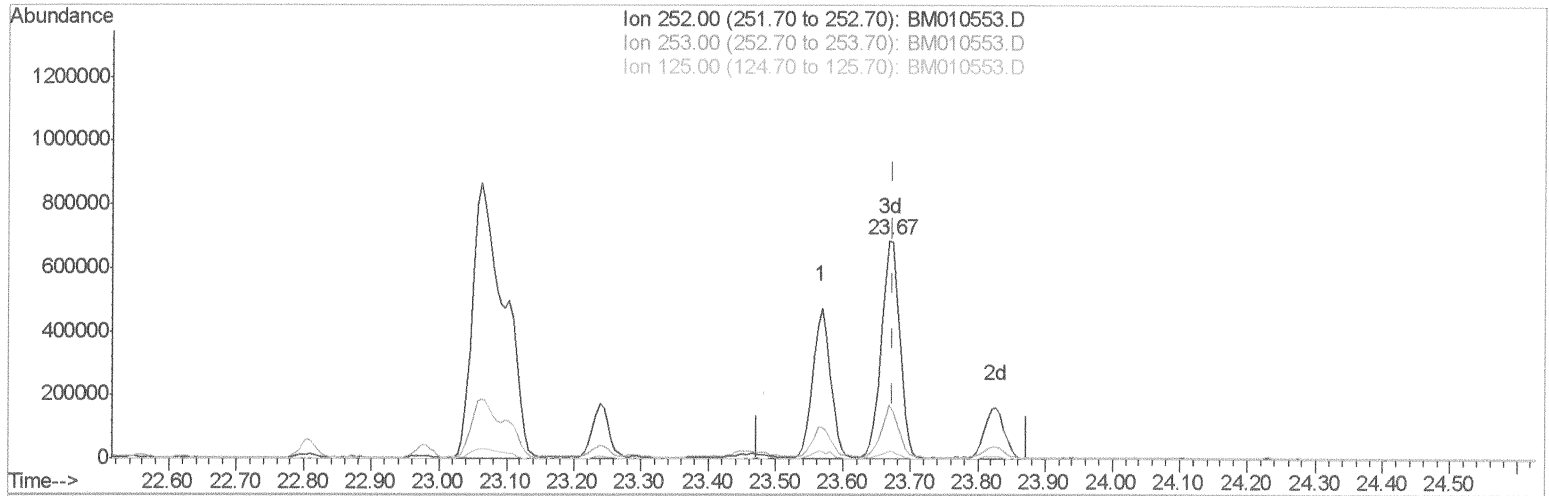
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(88) Benzo(a)pyrene (C)

23.668min (-0.006) 17.90ng/ul m

response 1354729

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.43
125.00	5.00	3.45#
0.00	0.00	0.00

55
06/26/17

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations

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6/13/2017 3:54:53 PM

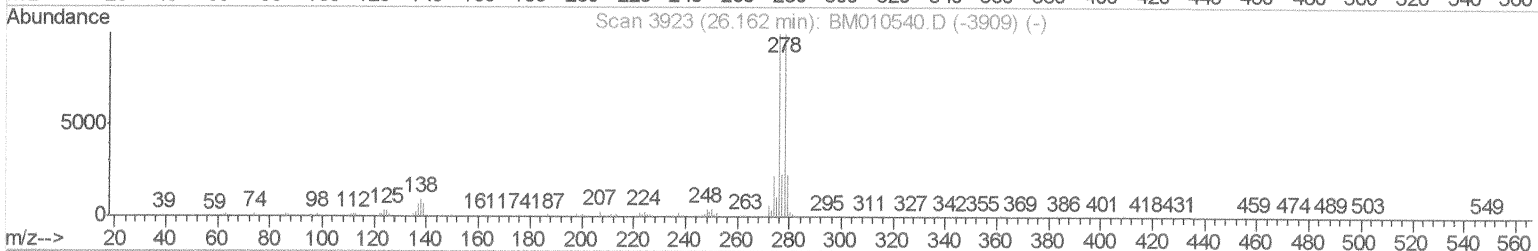
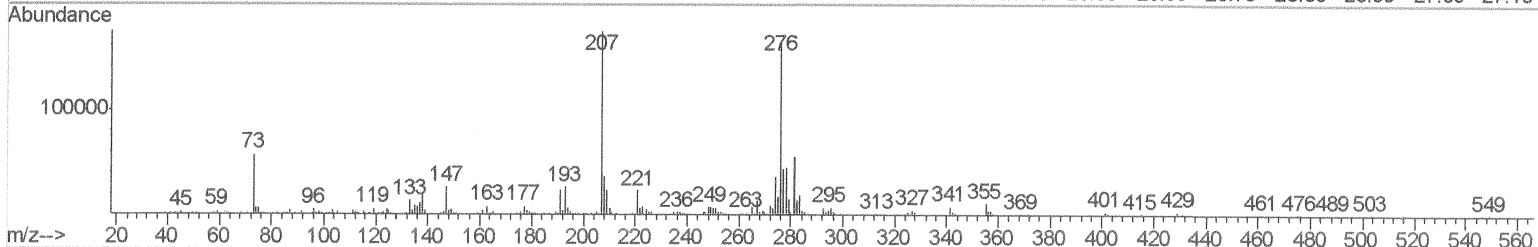
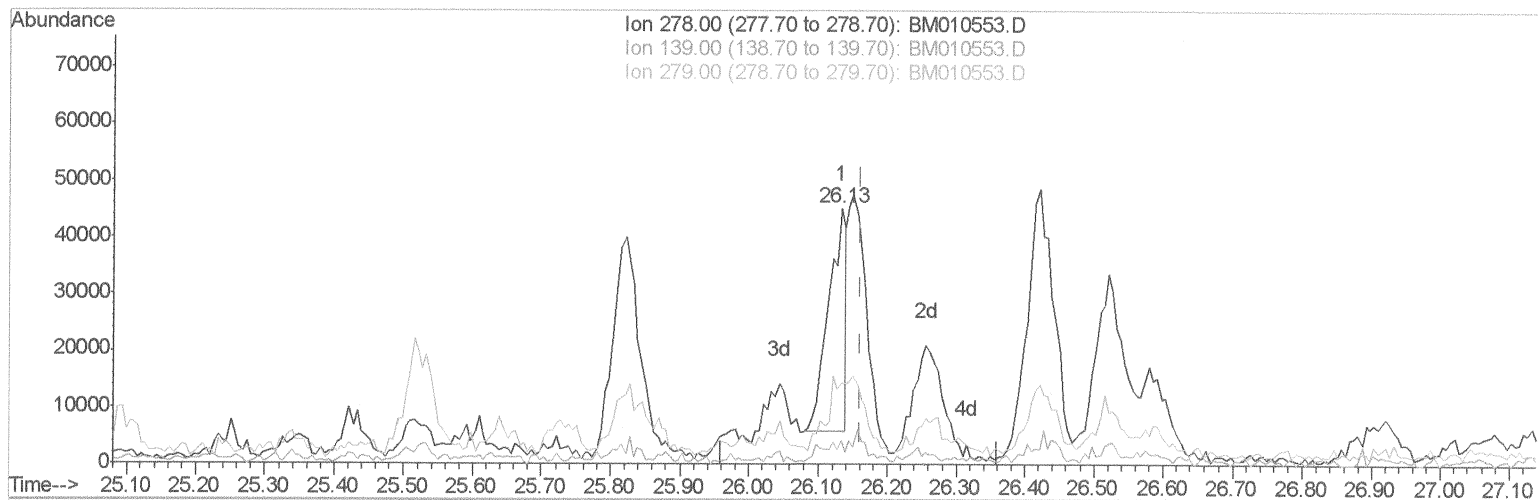
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(90) Dibenzo(a,h)anthracene

26.132min (-0.029) 0.85ng/ul

response 70033

Ion	Exp%	Act%
-----	------	------

278.00	100	100
--------	-----	-----

139.00	7.30	9.47#
--------	------	-------

279.00	23.20	32.01#
--------	-------	--------

0.00	0.00	0.00
------	------	------

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

Quantitation Report (Qedit)

Data File : BM010553.D

Acq On : 13 Jun 2017 01:56

Operator : SJ/MA

Sample : I3522-18DL 5X

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F5C32DL

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:53 PM

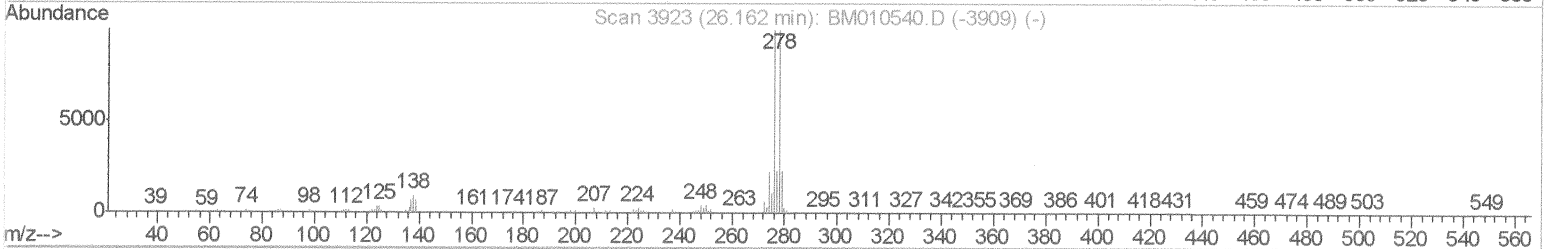
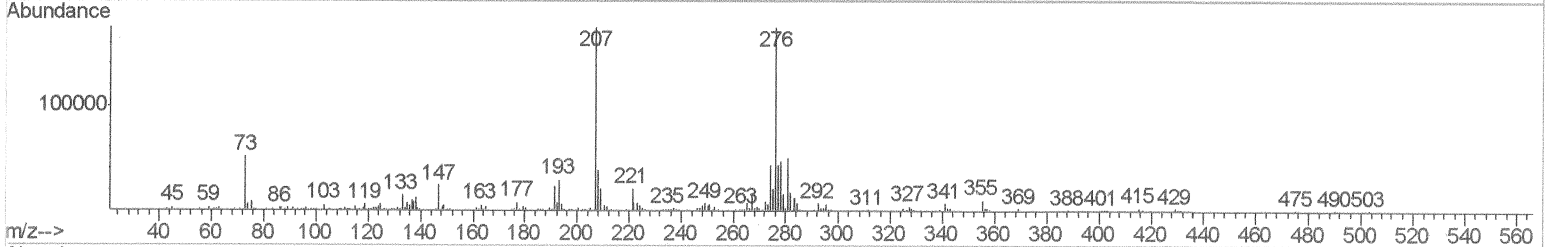
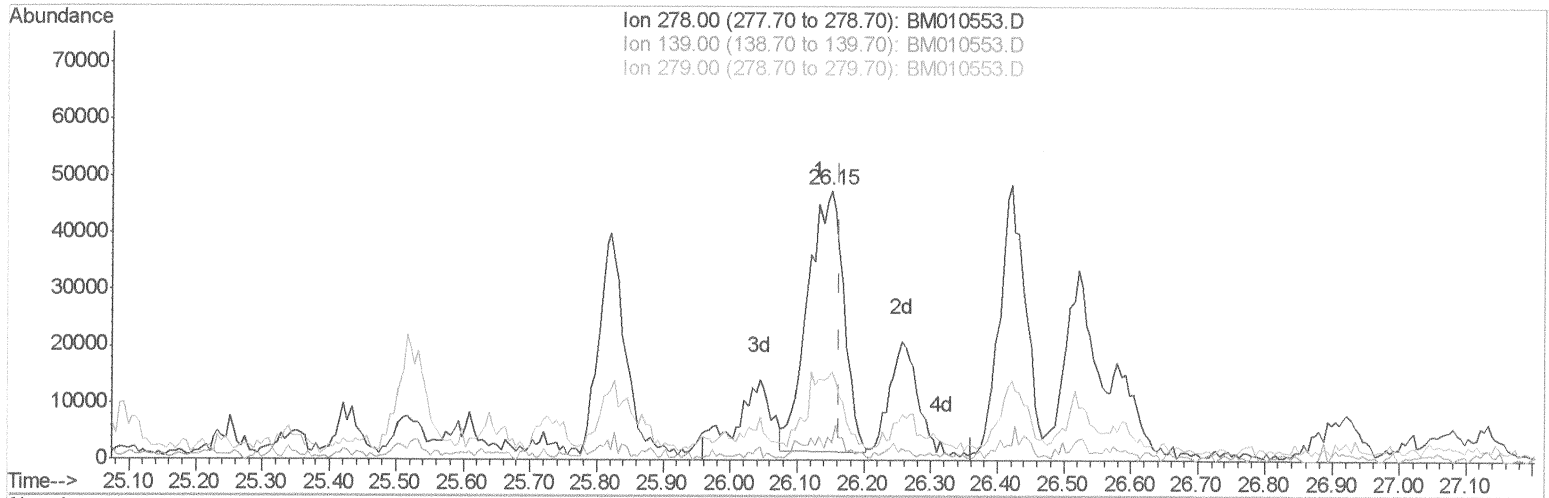
Quant Time: Jun 13 03:36:33 2017

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: BM010553.D

(90) Dibenzo(a,h)anthracene

26.150min (-0.012) 2.08ng/ul m

response 171175

Ion	Exp%	Act%
278.00	100	100
139.00	7.30	6.59
279.00	23.20	32.98#
0.00	0.00	0.00

Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C32DL

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:53 PM

Quant Time: Jun 13 05:01:33 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	115672	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	396929	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	299440	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	849094	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1343467	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1312044	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	1279	0.45	ng/uL	0.01
5) Phenol-d5	7.07	99	26541	3.03	ng/ul	0.00
7) Bis-(2-Chloroethyl) ether-d	7.23	67	16693	3.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	25497	3.65	ng/ul	0.00
13) 4-Methylphenol-d8	8.61	113	24382	3.45	ng/ul	0.00
19) Nitrobenzene-d5	9.06	128	12262m	4.22	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.79	143	11487	3.41	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.32	165	29807	4.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.86	131	28957	4.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.94	166	121308	4.88	ng/ul	0.00
46) Acenaphthylene-d8	14.22	160	122508	4.22	ng/ul	0.00
51) 4-Nitrophenol-d4	14.77	143	7420	1.99	ng/ul	0.00
57) Fluorene-d10	15.52	176	107730	4.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	12883	2.14	ng/ul	0.01
70) Anthracene-d10	17.37	188	190403	4.61	ng/ul	0.00
76) Pyrene-d10	19.66	212	266933	4.80	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.62	264	289813	4.74	ng/ul	0.00

Target Compounds

					Qvalue
28) Naphthalene	10.74	128	41296	2.07	ng/ul 97
34) 2-Methylnaphthalene	12.34	142	420020	27.83	ng/ul 94
40) 1,1'-Biphenyl	13.35	154	225343	9.28	ng/ul 95
44) Dimethylphthalate	13.99	163	70242	2.87	ng/ul 99
47) Acenaphthylene	14.24	152	69169	2.44	ng/ul# 86
49) Acenaphthene	14.59	153	1874747	94.25	ng/ul 98
53) Dibenzofuran	14.93	168	2447431	83.21	ng/ul 93
58) Fluorene	15.57	166	2800746	116.08	ng/ul 99
69) Phenanthrene	17.32	178	14879161m	328.25	ng/ul 99
71) Anthracene	17.41	178	1771088	37.43	ng/ul 98
72) Carbazole	17.69	167	66072	1.65	ng/ul# 82
74) Fluoranthene	19.33	202	11397606	204.47	ng/ul 99
77) Pyrene	19.69	202	7747565	111.91	ng/ul# 95
80) Benzo(a)anthracene	21.43	228	2816516	37.18	ng/ul 98
82) Chrysene	21.48	228	2011703	29.37	ng/ul 96
85) Benzo(b)fluoranthene	23.06	252	2253944	29.52	ng/ul# 99
86) Benzo(k)fluoranthene	23.10	252	545623m	7.48	ng/ul# 99
88) Benzo(a)pyrene	23.67	252	1354729m	17.90	ng/ul# 99
89) Indeno(1,2,3-cd)pyrene	26.14	276	553517	5.79	ng/ul# 93
90) Dibenzo(a,h)anthracene	26.15	278	171175m	2.08	ng/ul 93
91) Benzo(g,h,i)perylene	26.88	276	404799	5.14	ng/ul 98

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

Data File : BM010553.D
Acq On : 13 Jun 2017 01:56
Operator : SJ/MA
Sample : I3522-18DL 5X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C32DL

Manual Integrations
APPROVED

mohammad
6/13/2017 3:54:53 PM

Quant Time: Jun 13 05:01:33 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed