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

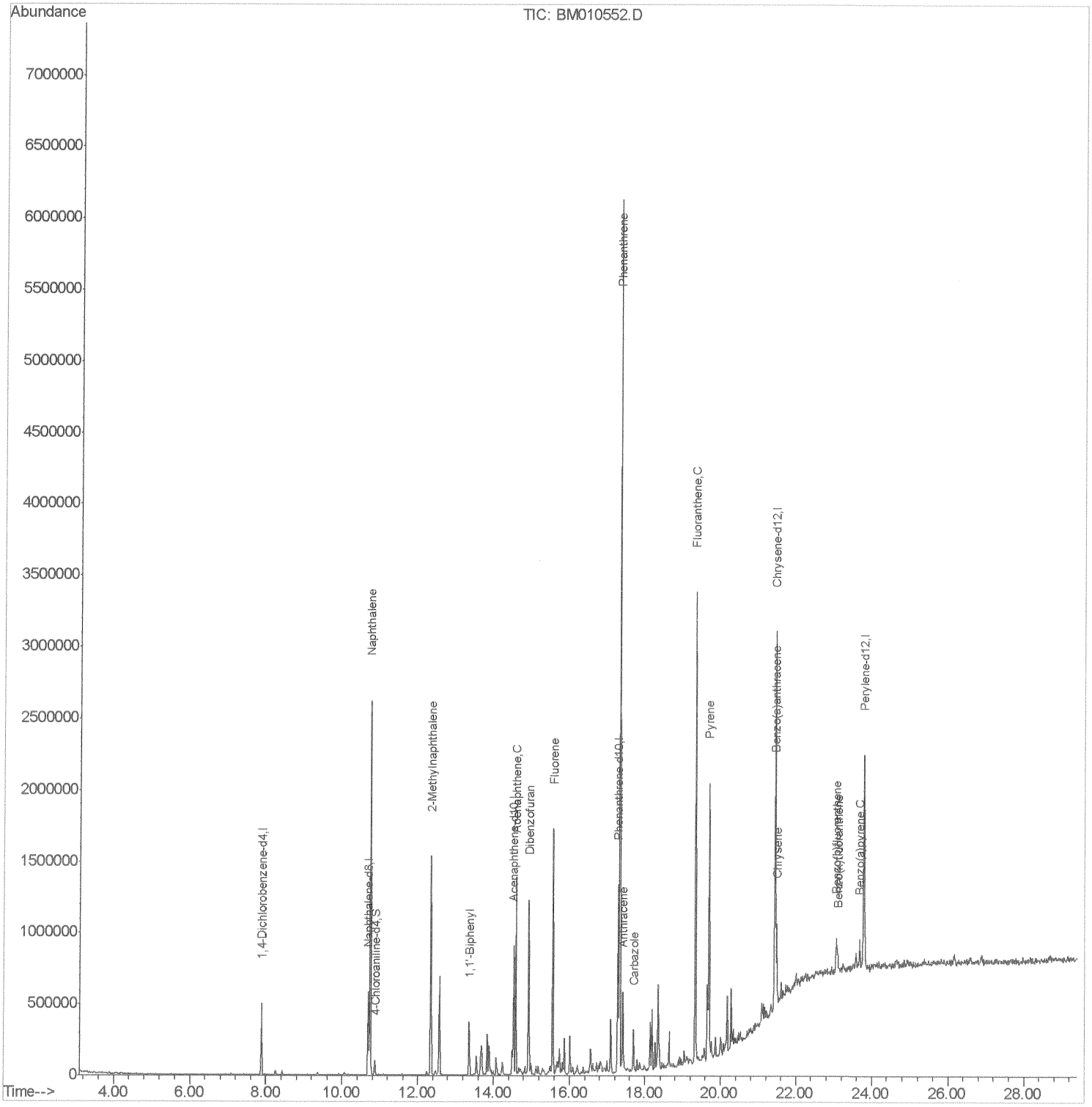
Quantitation Report (QT Reviewed)

Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 13 04:52:00 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 :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM



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

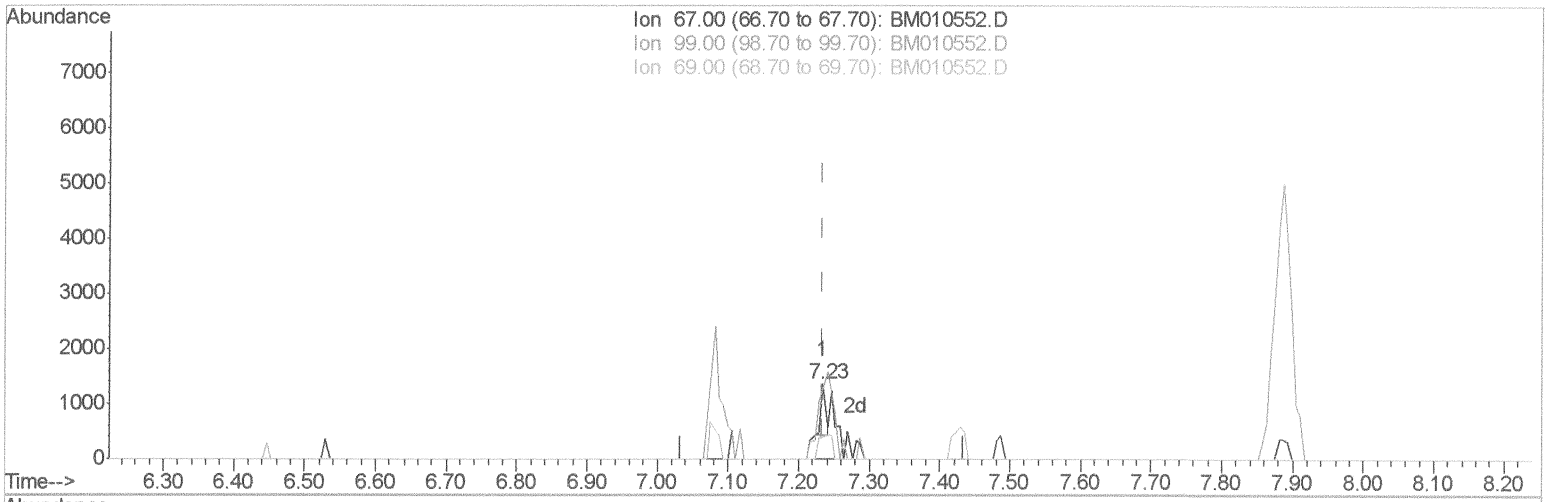
Quantitation Report (Qedit)

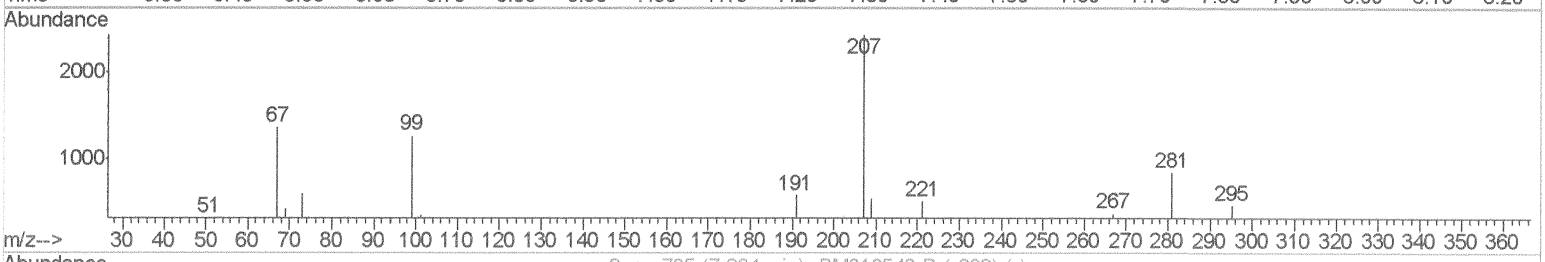
Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

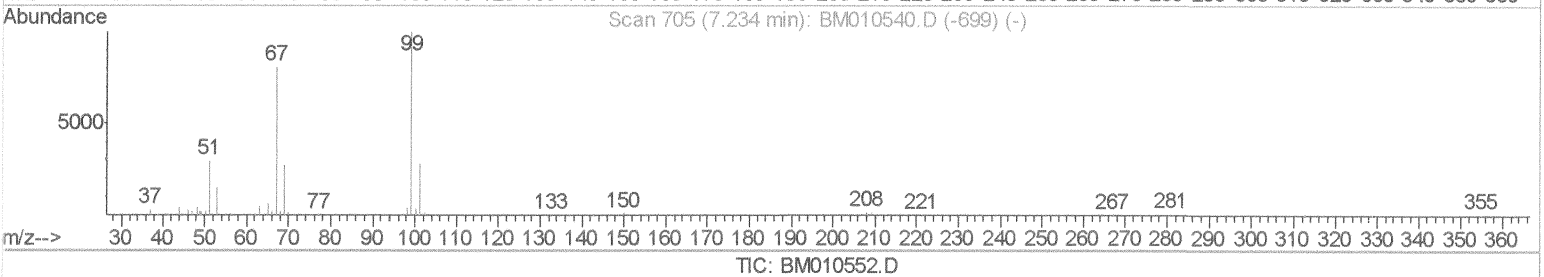
Quant Time: Jun 13 04:49:45 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM







TIC: BM010552.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.234min (+0.000) 0.09ng/ul

response 379

Ion	Exp%	Act%
67.00	100	100
99.00	112.80	93.07
69.00	36.30	30.21
0.00	0.00	0.00

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

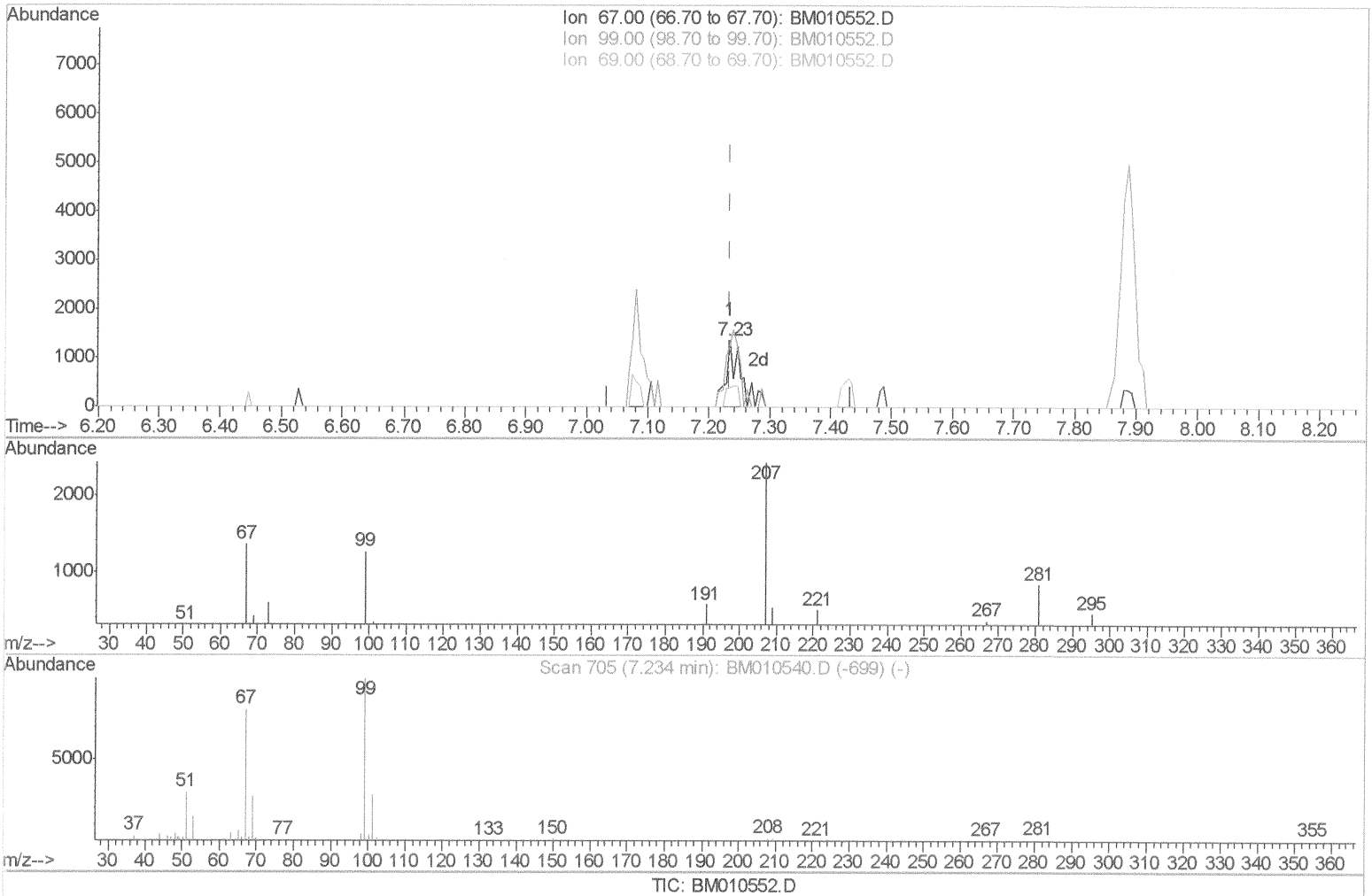
Quantitation Report (Qedit)

Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 13 04:49:45 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 :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM



TIC: BM010552.D

(7) Bis-(2-Chloroethyl)ether-d8 (S)

7.234min (+0.000) 0.45ng/ul m SJ 06/26/17

response 1980

Ion	Exp%	Act%
67.00	100	100
99.00	112.80	93.07
69.00	36.30	30.21
0.00	0.00	0.00

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

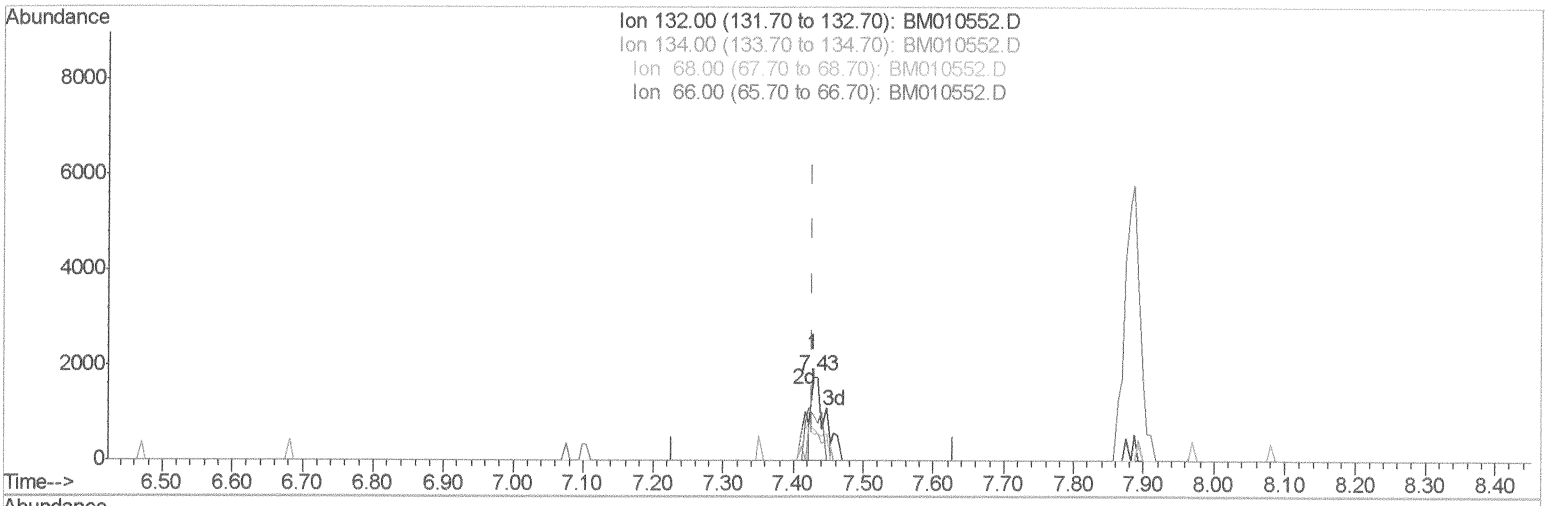
Quantitation Report (Qedit)

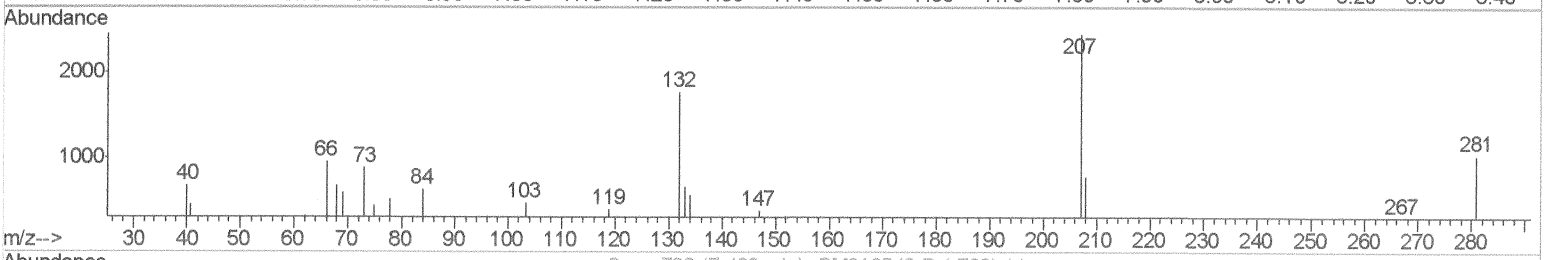
Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

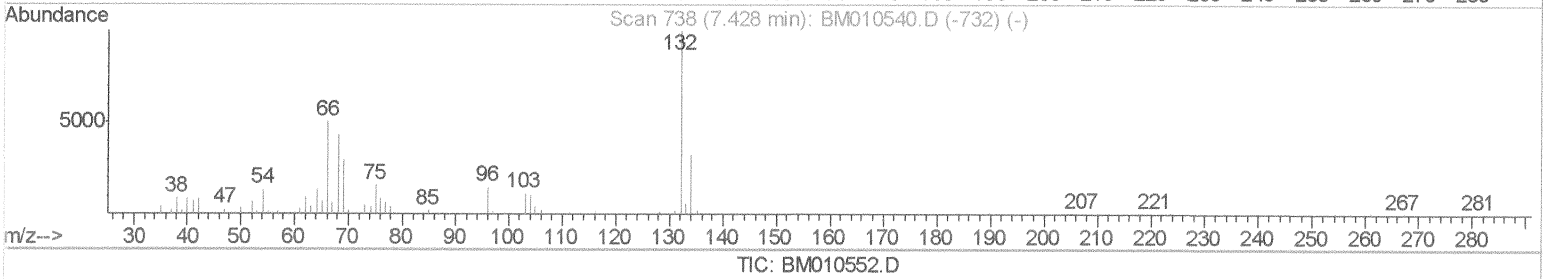
Quant Time: Jun 13 04:49:45 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM







TIC: BM010552.D

(9) 2-Chlorophenol-d4 (S)

7.428min (+0.000) 0.32ng/ul

response 1999

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	31.23
68.00	51.20	37.88#
66.00	41.70	53.72#

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

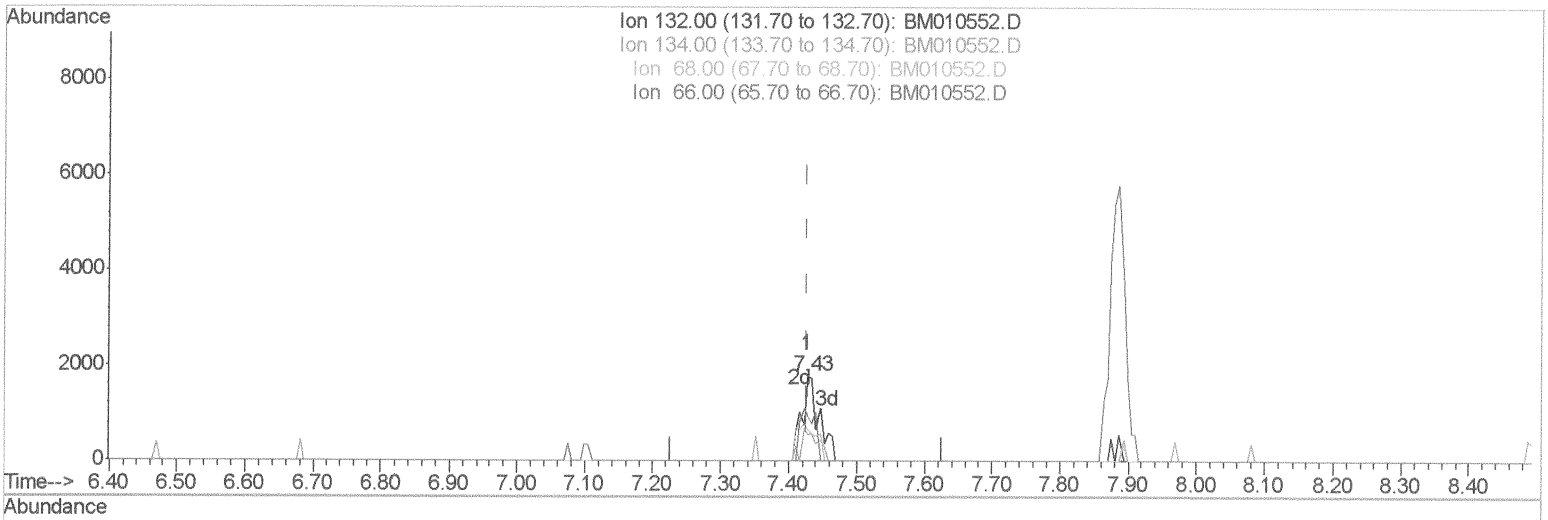
Quantitation Report (Qedit)

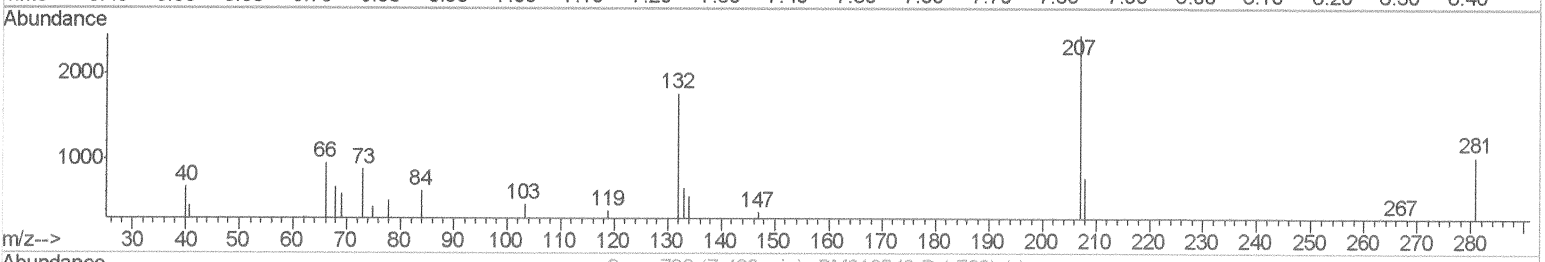
Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

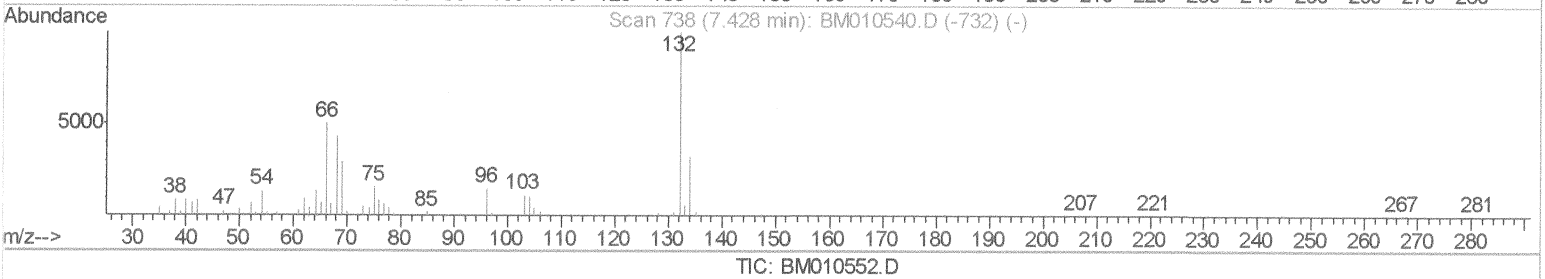
Quant Time: Jun 13 04:49:45 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM







TIC: BM010552.D

(9) 2-Chlorophenol-d4 (S)

7.428min (+0.000) 0.52ng/ul m

SS 06/26/17

response 3251

Ion	Exp%	Act%
132.00	100	100
134.00	34.10	31.23
68.00	51.20	37.88#
66.00	41.70	53.72#

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

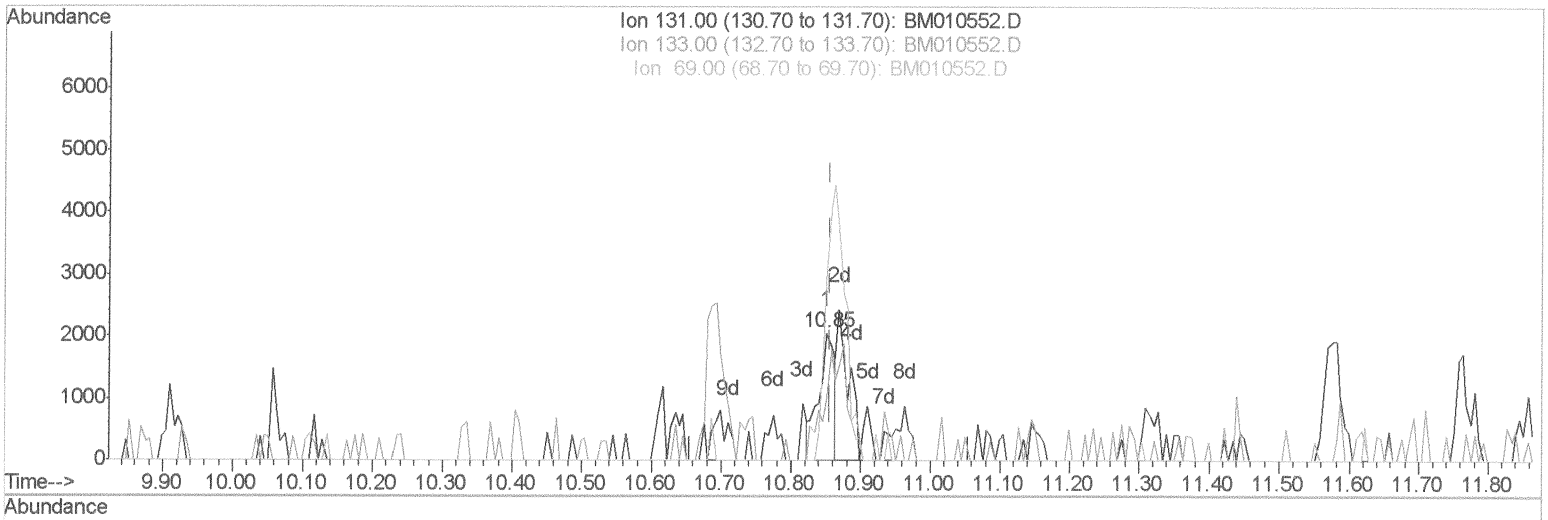
Quantitation Report (Qedit)

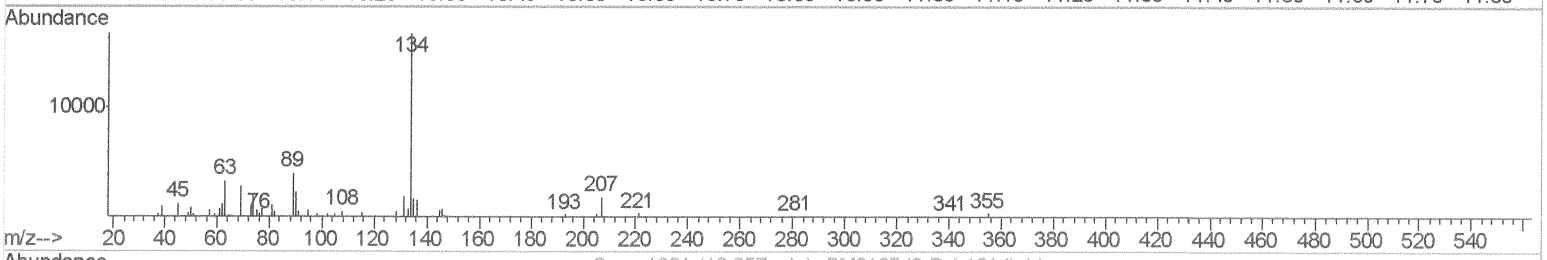
Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

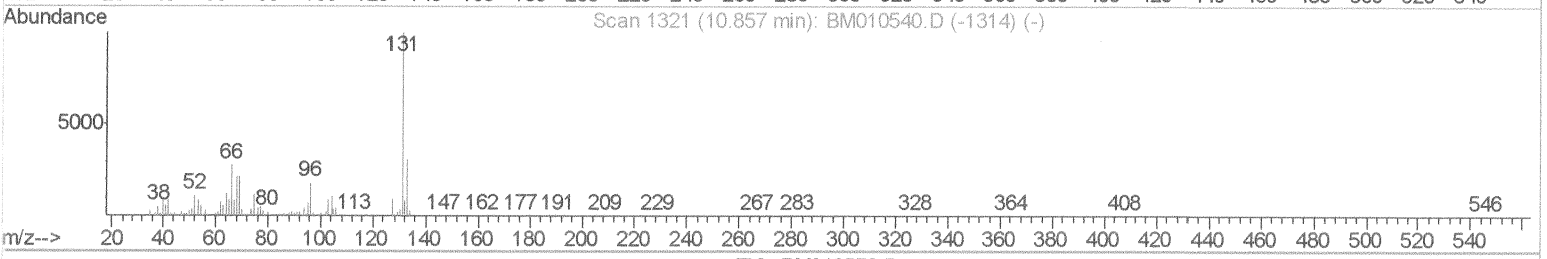
Quant Time: Jun 13 04:49:45 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM







TIC: BM010552.D

(29) 4-Chloroaniline-d4 (S)

10.851min (-0.006) 0.52ng/ul

response 3262

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	48.90#
69.00	24.30	145.08#
0.00	0.00	0.00

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

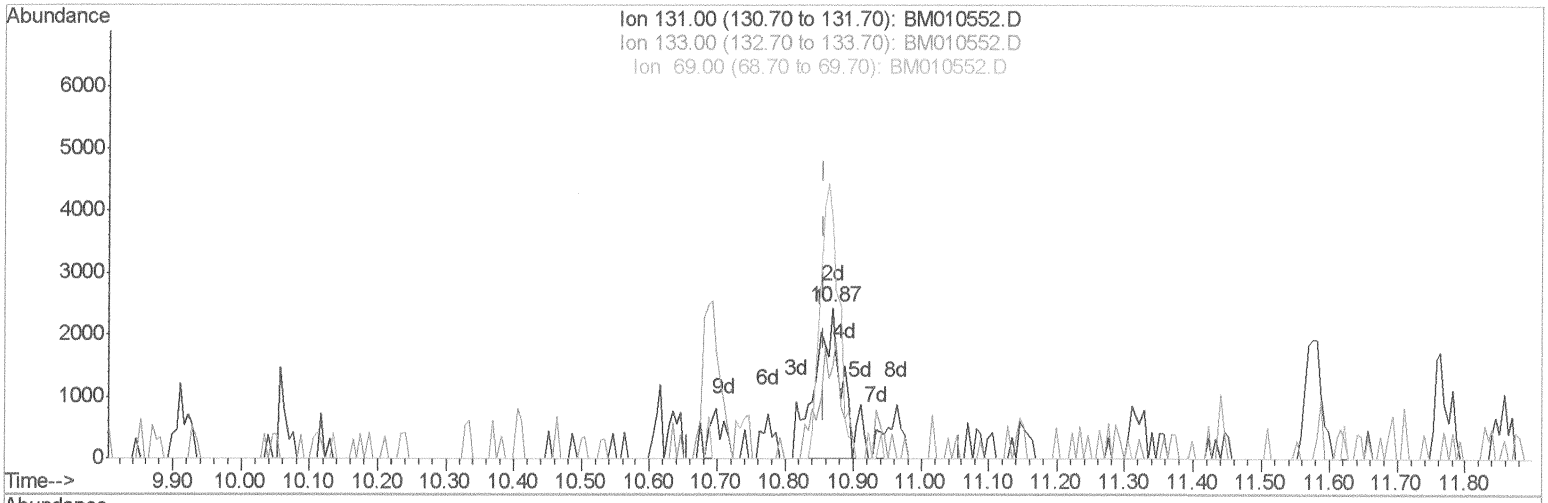
Quantitation Report (Qedit)

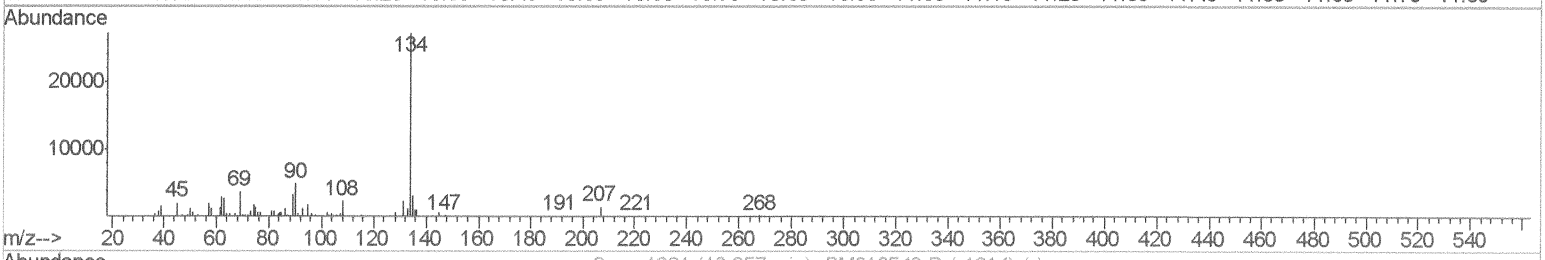
Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

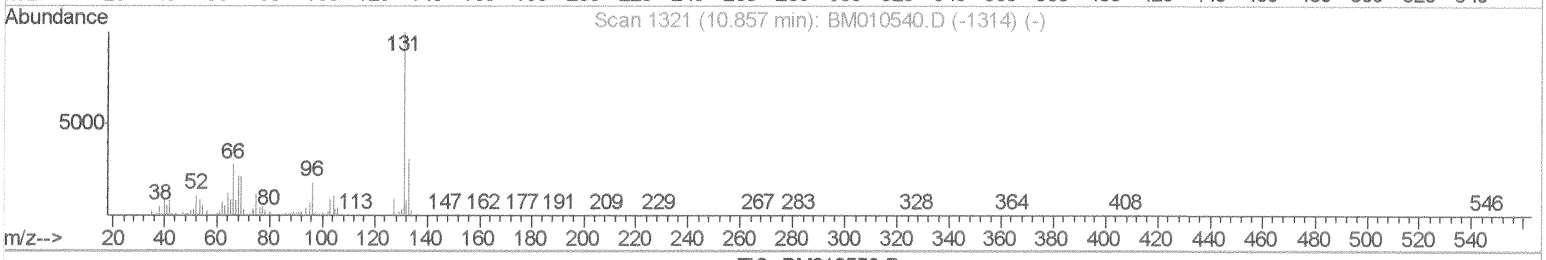
Quant Time: Jun 13 04:49:45 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM







TIC: BM010552.D

(29) 4-Chloroaniline-d4 (S)

10.869min (+0.012) 1.03ng/ul m SJ 06/26/17

response 6469

Ion	Exp%	Act%
131.00	100	100
133.00	31.40	61.69#
69.00	24.30	157.32#
0.00	0.00	0.00

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

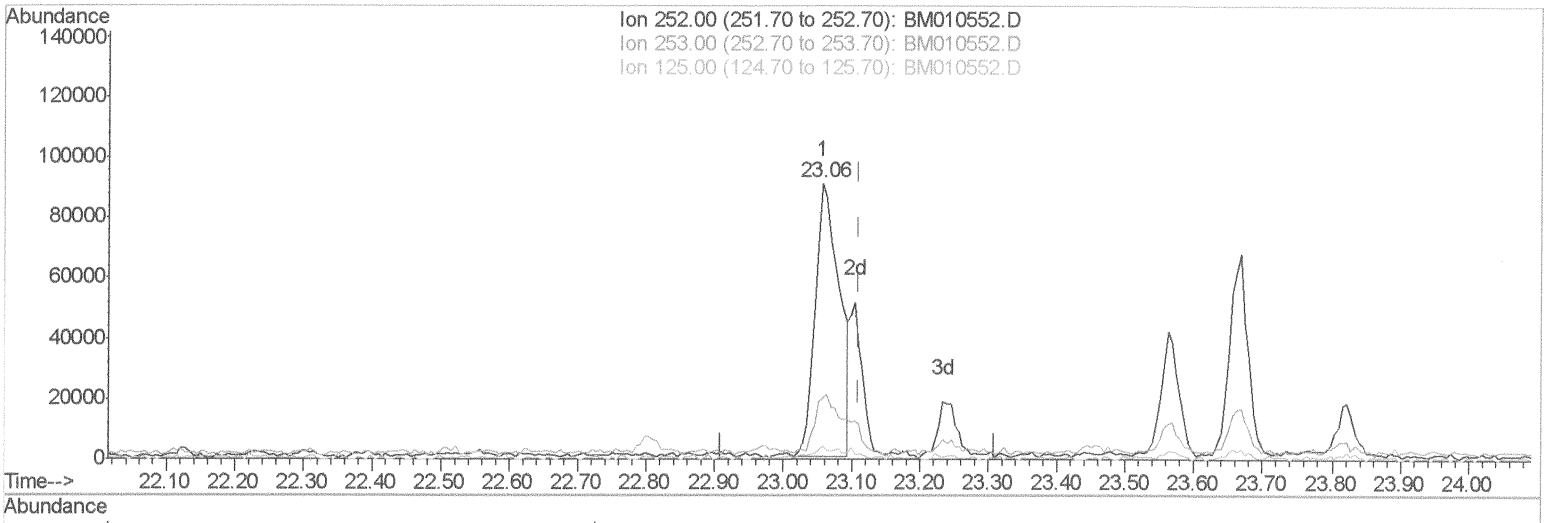
Quantitation Report (Qedit)

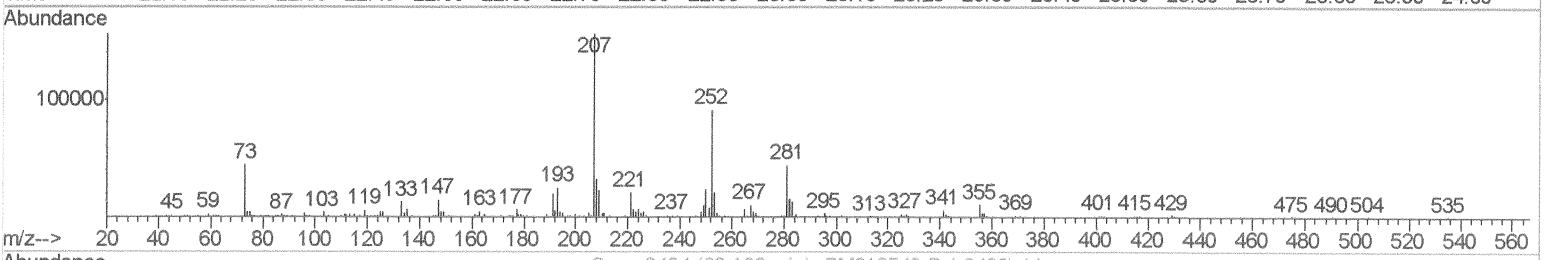
Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

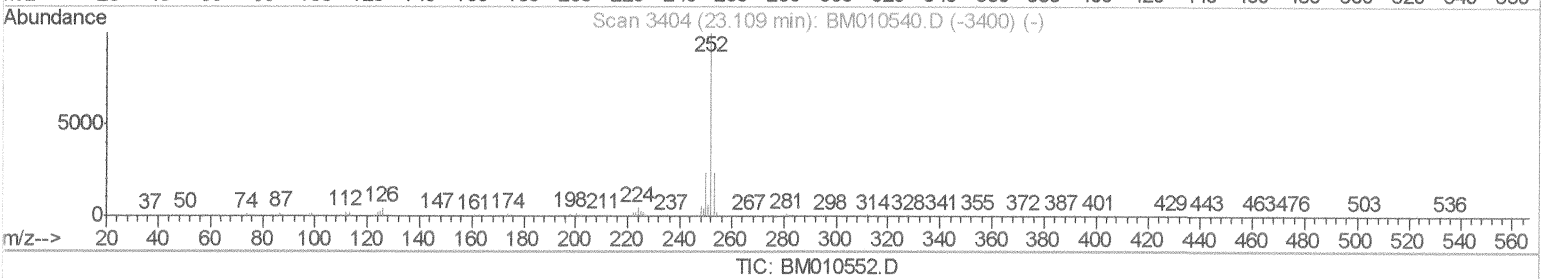
Instrument :
BNA_M
ClientSampleId :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM

Quant Time: Jun 13 04:49:45 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: BM010552.D

(86) Benzo(k)fluoranthene

23.056min (-0.053) 3.80ng/ul

response 220515

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.46
125.00	4.30	5.04
0.00	0.00	0.00

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

Quantitation Report (Qedit)

Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
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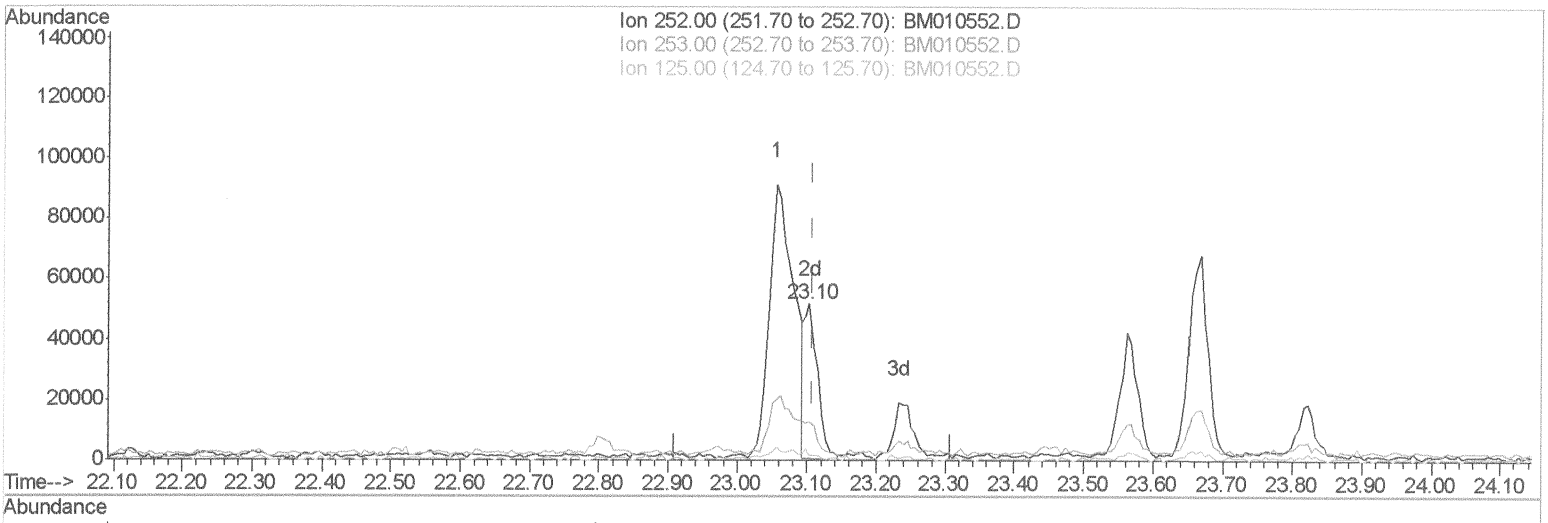
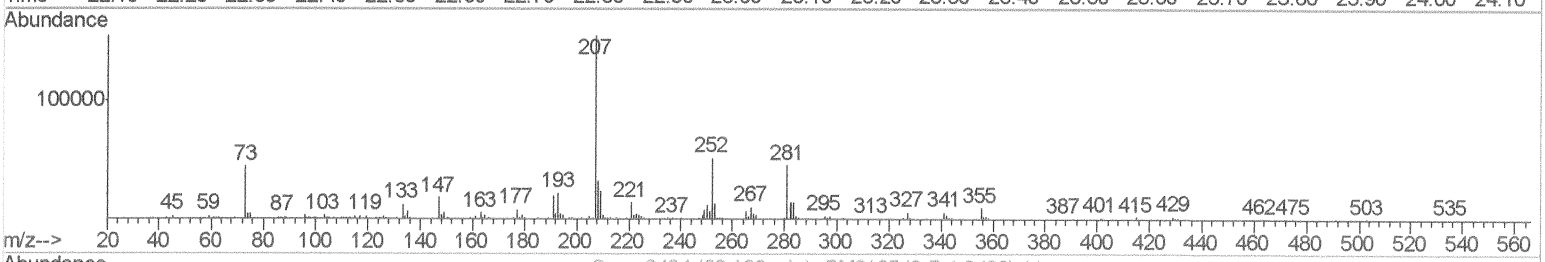
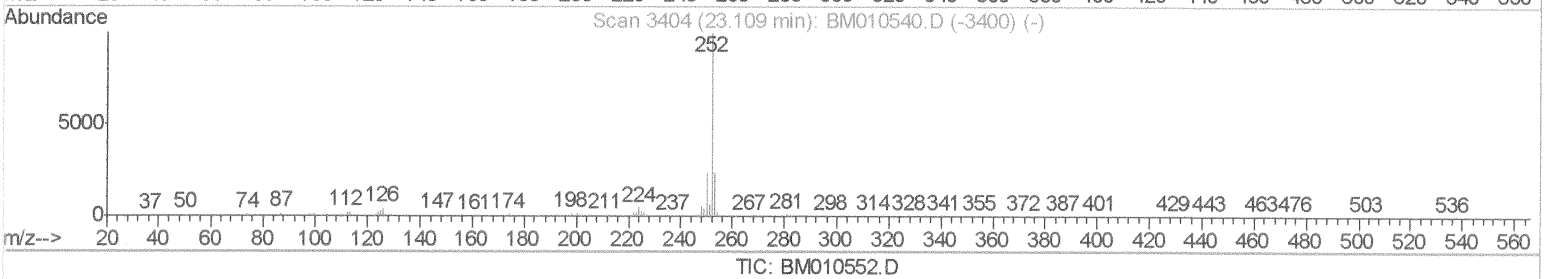
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 13 03:33:28 2017
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM







TIC: BM010552.D

(86) Benzo(k)fluoranthene

23.103min (-0.006) 1.16ng/ul m SJ 06/26/17

response 67415

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	24.98
125.00	4.30	2.93#
0.00	0.00	0.00

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

Quantitation Report (QT Reviewed)

Data File : BM010552.D
Acq On : 13 Jun 2017 01:21
Operator : SJ/MA
Sample : I3521-10DL 30X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C58DL

Manual Integrations APPROVED
mohammad
6/13/2017 3:54:51 PM

Quant Time: Jun 13 04:52:00 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	102777	20.00	ng/ul	0.00
18) Naphthalene-d8	10.69	136	372428	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	255290	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.27	188	694204	20.00	ng/ul	0.00
75) Chrysene-d12	21.44	240	1030648	20.00	ng/ul	0.00
83) Perylene-d12	23.77	264	1044544	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	2709	0.35	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.23	67	1980m	0.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.43	132	3251m	0.52	ng/ul	0.00
13) 4-Methylphenol-d8	0.00	113	0d	0.00	ng/ul	
19) Nitrobenzene-d5	9.08	128	725	0.27	ng/ul	0.00
22) 2-Nitrophenol-d4	9.79	143	2353	0.74	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.33	165	3327	0.51	ng/ul	0.02
29) 4-Chloroaniline-d4	10.87	131	6469m	1.03	ng/ul	0.01
43) Dimethylphthalate-d6	13.94	166	17177	0.81	ng/ul	0.00
46) Acenaphthylene-d8	14.23	160	16127	0.65	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
57) Fluorene-d10	15.52	176	15551	0.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.66	200	2012	0.41	ng/ul	0.01
70) Anthracene-d10	17.37	188	21533	0.64	ng/ul	0.00
76) Pyrene-d10	19.66	212	27478	0.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.61	264	32739	0.67	ng/ul	-0.02
Target Compounds						Qvalue
28) Naphthalene	10.74	128	1618748	86.66	ng/ul	99
34) 2-Methylnaphthalene	12.34	142	558598	39.44	ng/ul	98
40) 1,1'-Biphenyl	13.36	154	161292	7.79	ng/ul	94
49) Acenaphthene	14.59	153	475080	28.01	ng/ul	97
53) Dibenzofuran	14.92	168	641223	25.57	ng/ul	99
58) Fluorene	15.57	166	630348	30.64	ng/ul	99
69) Phenanthrene	17.32	178	3117038	84.11	ng/ul	99
71) Anthracene	17.40	178	307083	7.94	ng/ul	96
72) Carbazole	17.69	167	139123	4.25	ng/ul	97
74) Fluoranthene	19.32	202	1837249	40.31	ng/ul#	96
77) Pyrene	19.69	202	1185534	22.32	ng/ul#	93
80) Benzo(a)anthracene	21.42	228	383801	6.60	ng/ul	99
82) Chrysene	21.47	228	302891	5.77	ng/ul	96
85) Benzo(b)fluoranthene	23.06	252	220515	3.63	ng/ul	100
86) Benzo(k)fluoranthene	23.10	252	67415m	1.16	ng/ul	
88) Benzo(a)pyrene	23.67	252	121219	2.01	ng/ul	96

SJ 06/26/17

SJ ~~06~~ 06/26/17

SJ 06/26/17

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