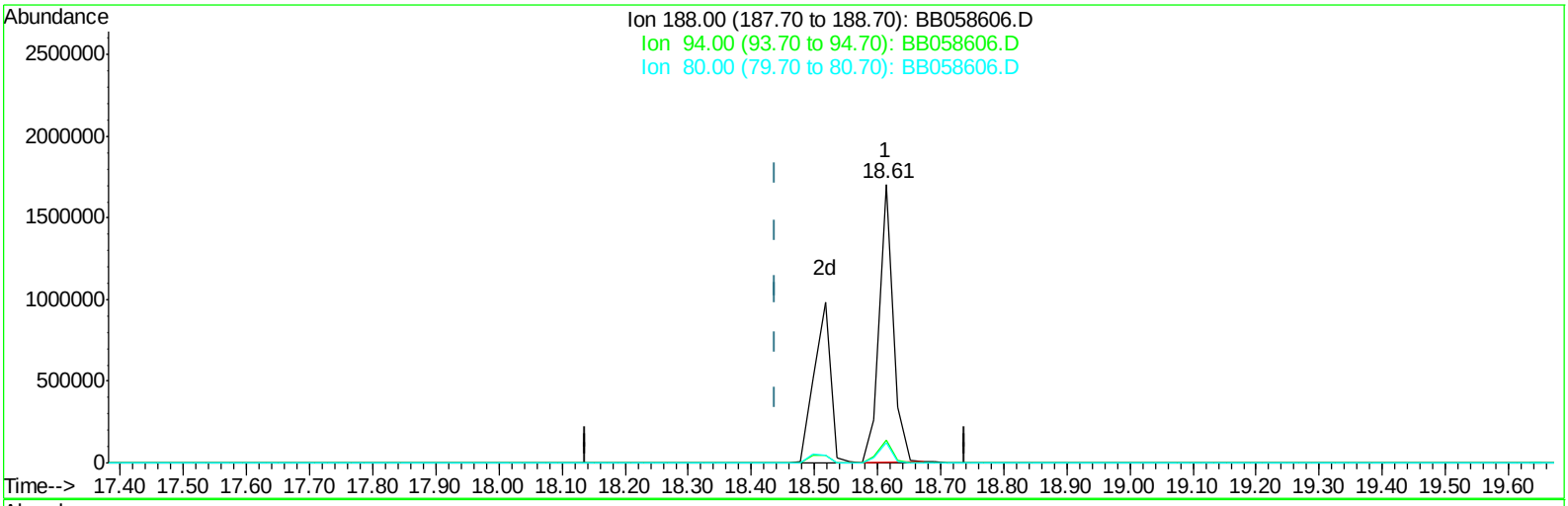
Quantitation Report (Qedit)

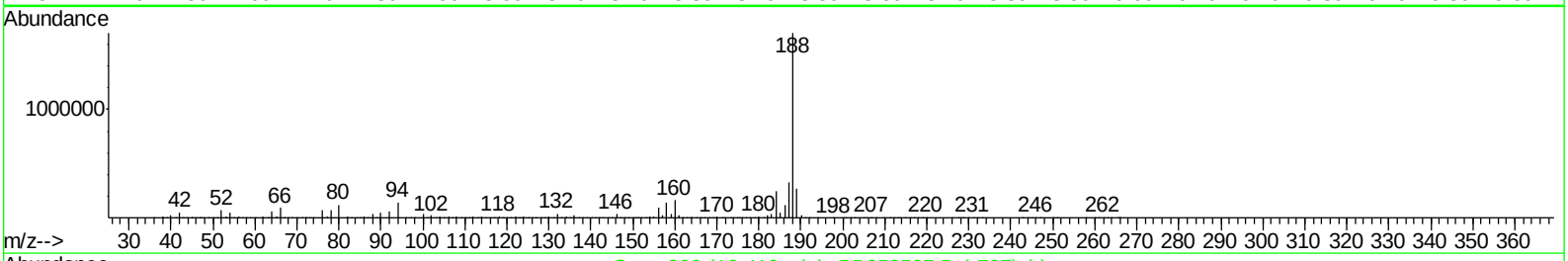
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

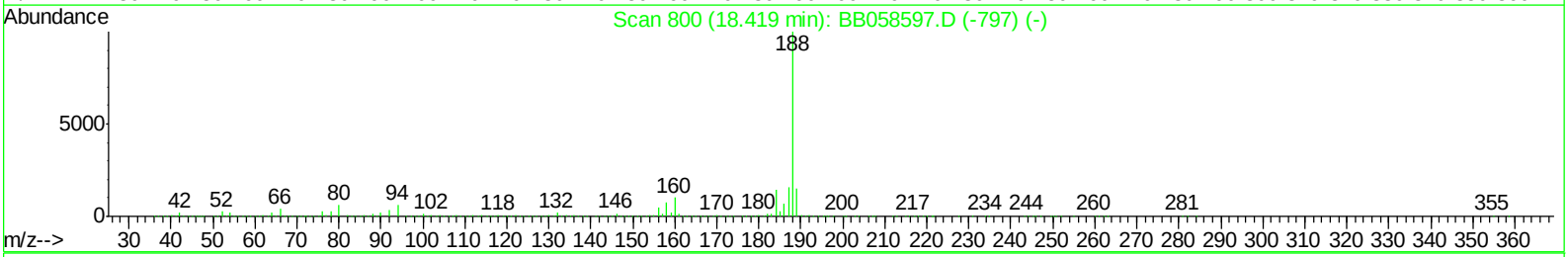
Quant Time: Oct 11 16:28:56 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM







TIC: BB058606.D

(61) Phenanthrene-d10 (I)

18.613min (+0.175) 20.00ng/ul

response 2662597

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	8.40
80.00	8.60	7.19
0.00	0.00	0.00

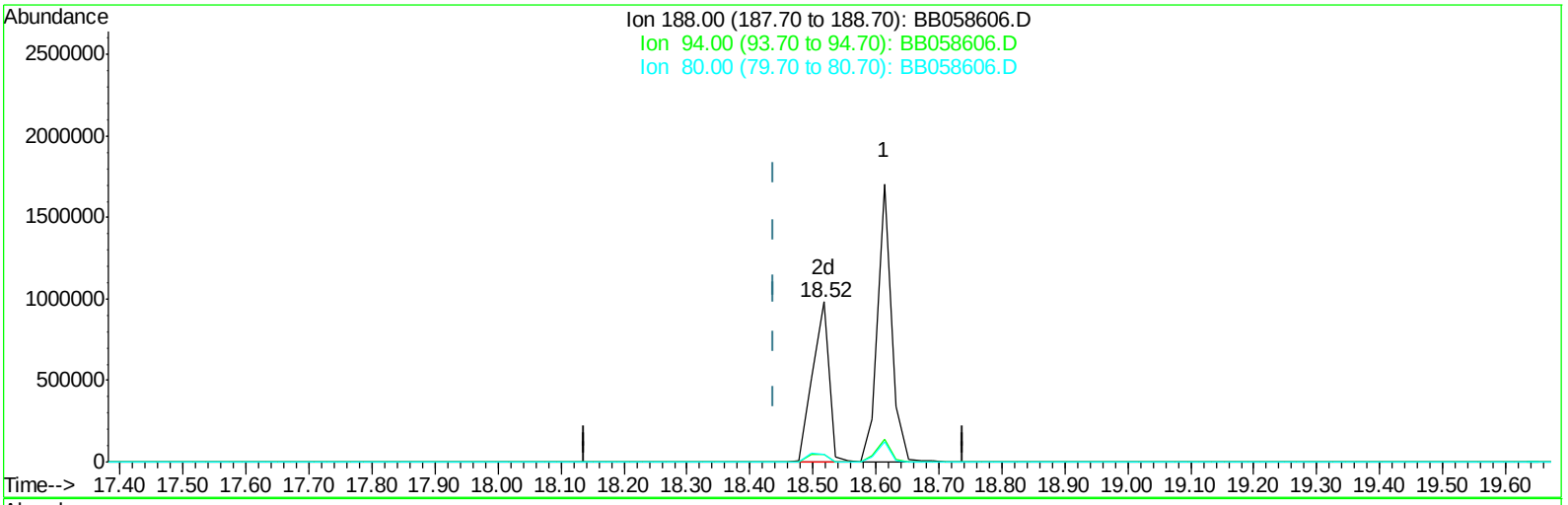
Quantitation Report (Qedit)

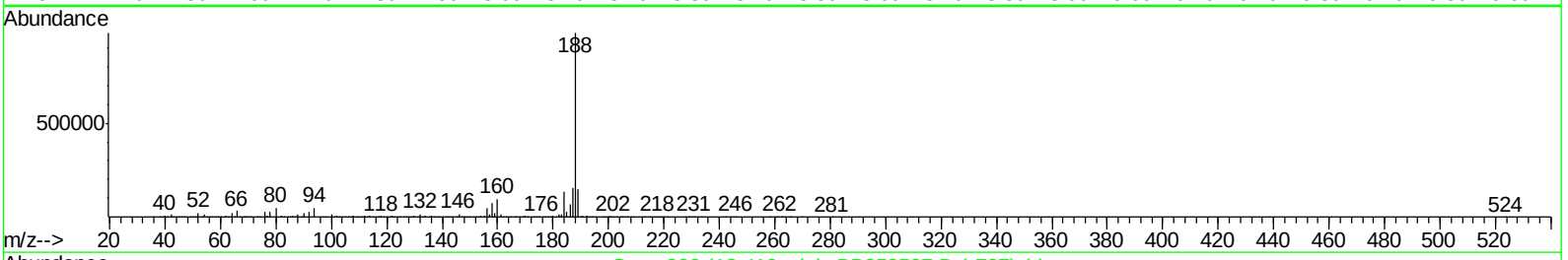
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

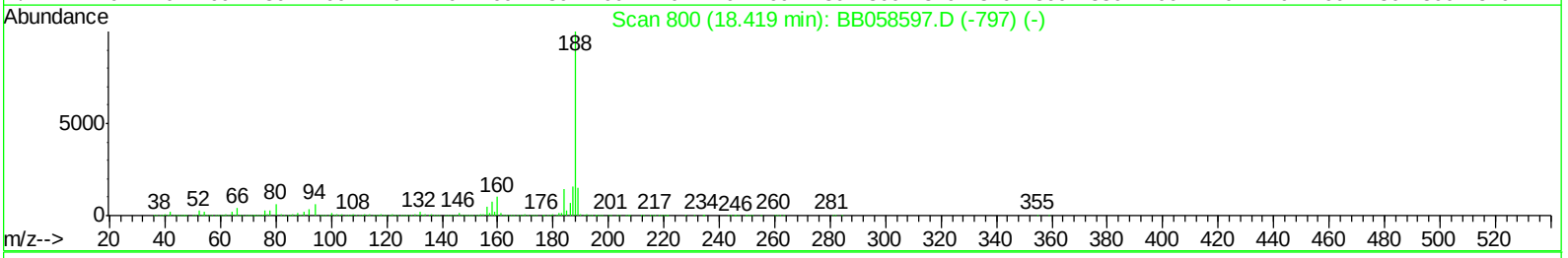
Quant Time: Oct 11 16:28:56 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM







TIC: BB058606.D

(61) Phenanthrene-d10 (I)

18.517min (+0.079) 20.00ng/ul m

response 1772430

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	5.15#
80.00	8.60	4.85#
0.00	0.00	0.00

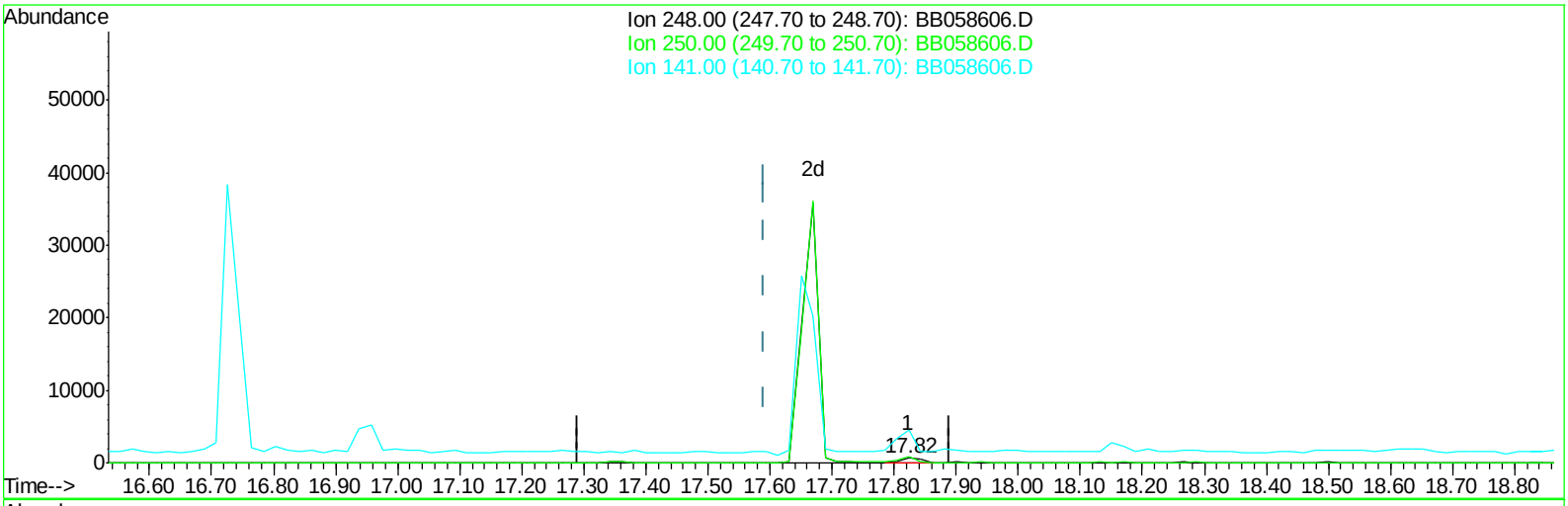
Quantitation Report (Qedit)

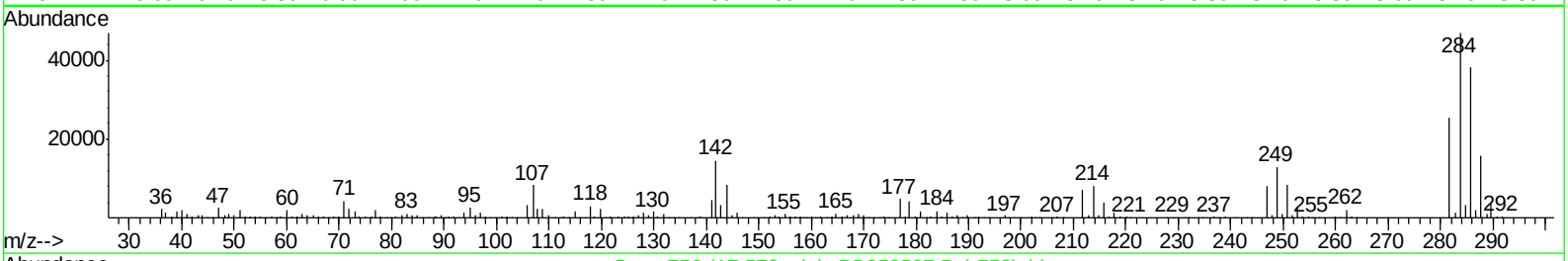
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

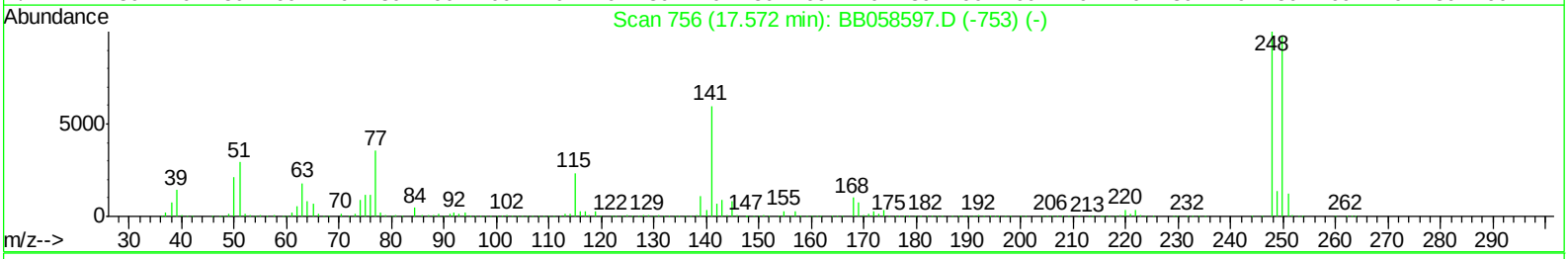
Quant Time: Oct 11 16:30:15 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM







TIC: BB058606.D

(65) 4-Bromophenyl-phenylether

17.824min (+0.233) 0.07ng/ul

response 1631

Ion	Exp%	Act%
248.00	100	100
250.00	99.60	1462.65#
141.00	72.90	709.26#
0.00	0.00	0.00

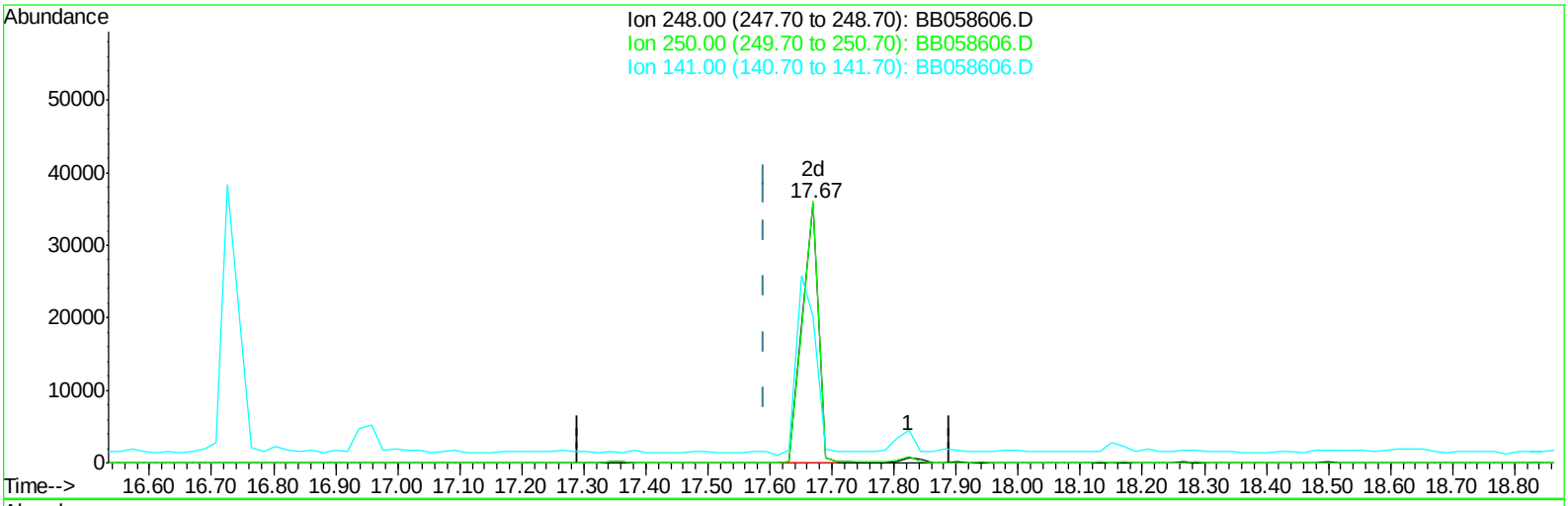
Quantitation Report (Qedit)

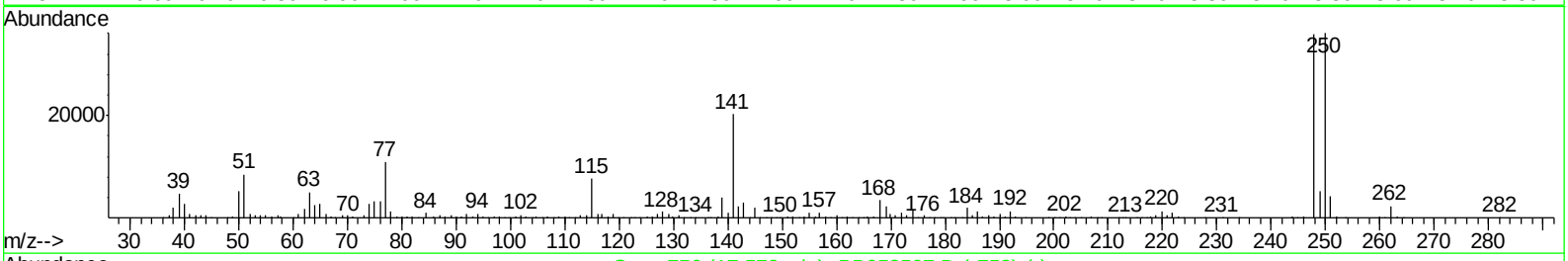
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

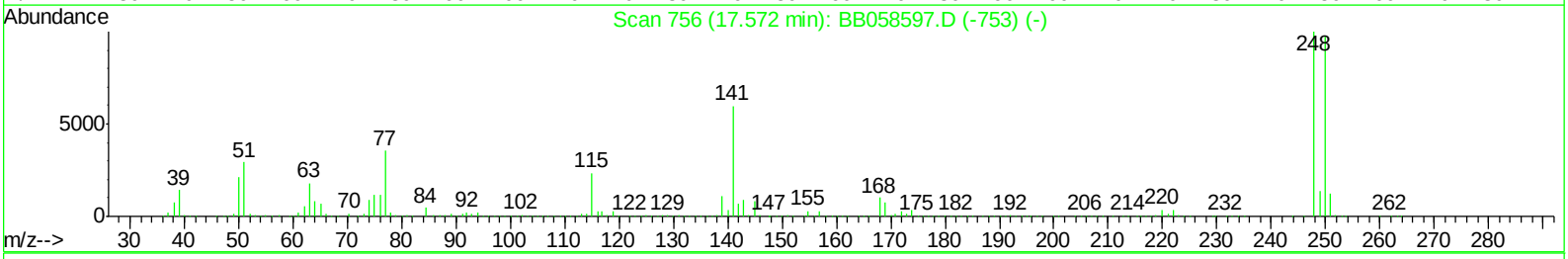
Quant Time: Oct 11 16:30:15 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM







TIC: BB058606.D

(65) 4-Bromophenyl-phenylether

17.670min (+0.079) 2.85ng/ul m

response 64584

Ion	Exp%	Act%
248.00	100	100
250.00	99.60	100.76
141.00	72.90	56.43#
0.00	0.00	0.00

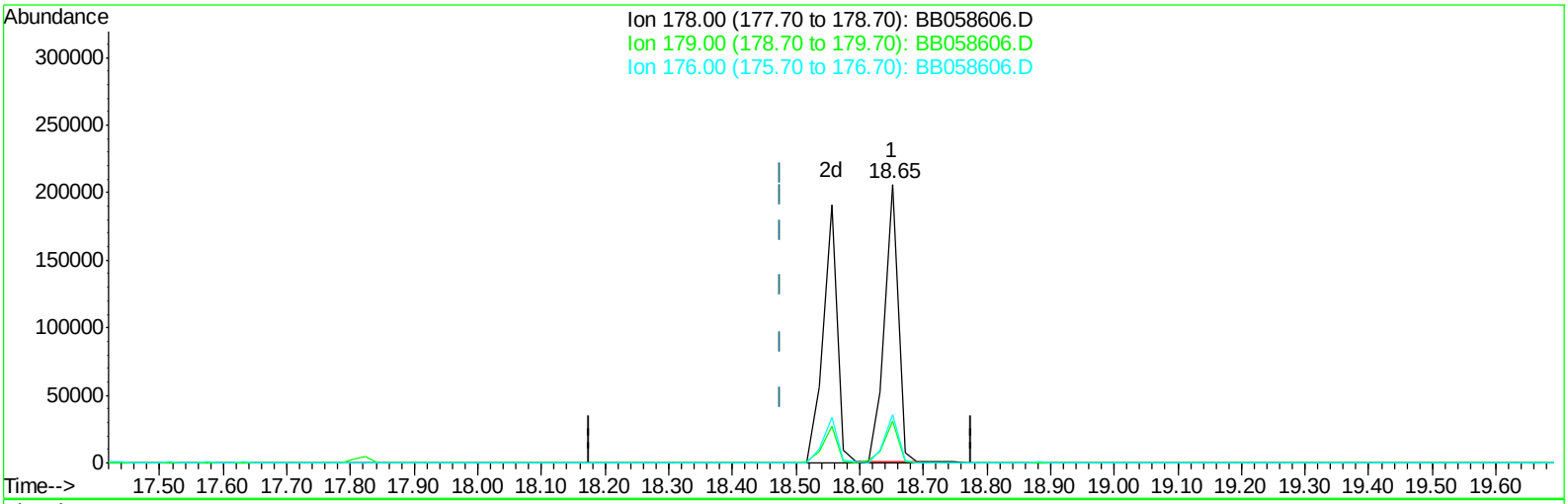
Quantitation Report (Qedit)

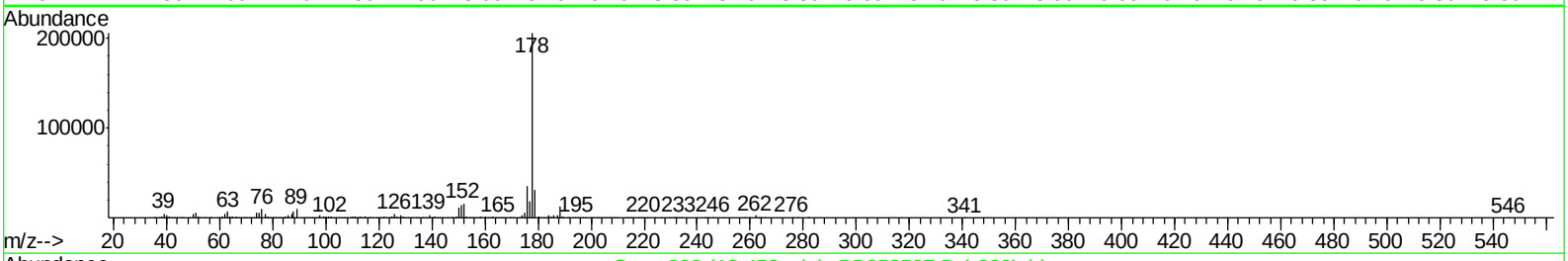
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

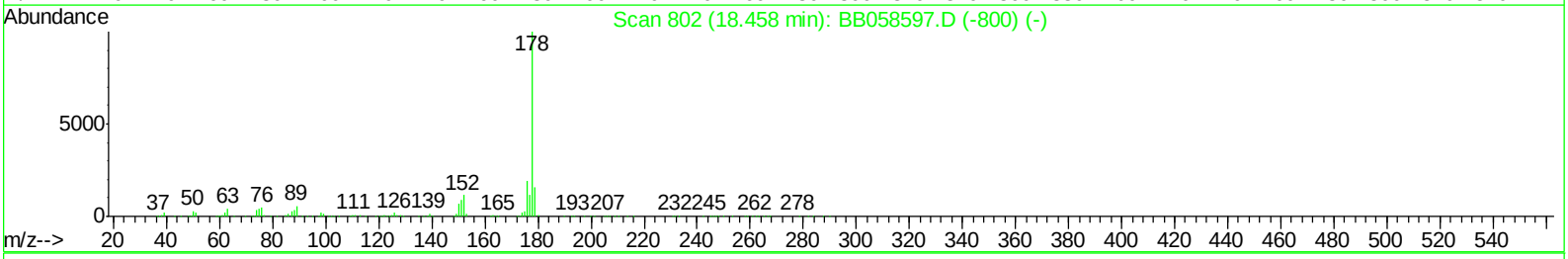
Quant Time: Oct 11 16:30:15 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM







TIC: BB058606.D

(69) Phenanthrene

18.652min (+0.175) 3.45ng/ul

response 304729

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	14.82
176.00	18.90	17.28
0.00	0.00	0.00

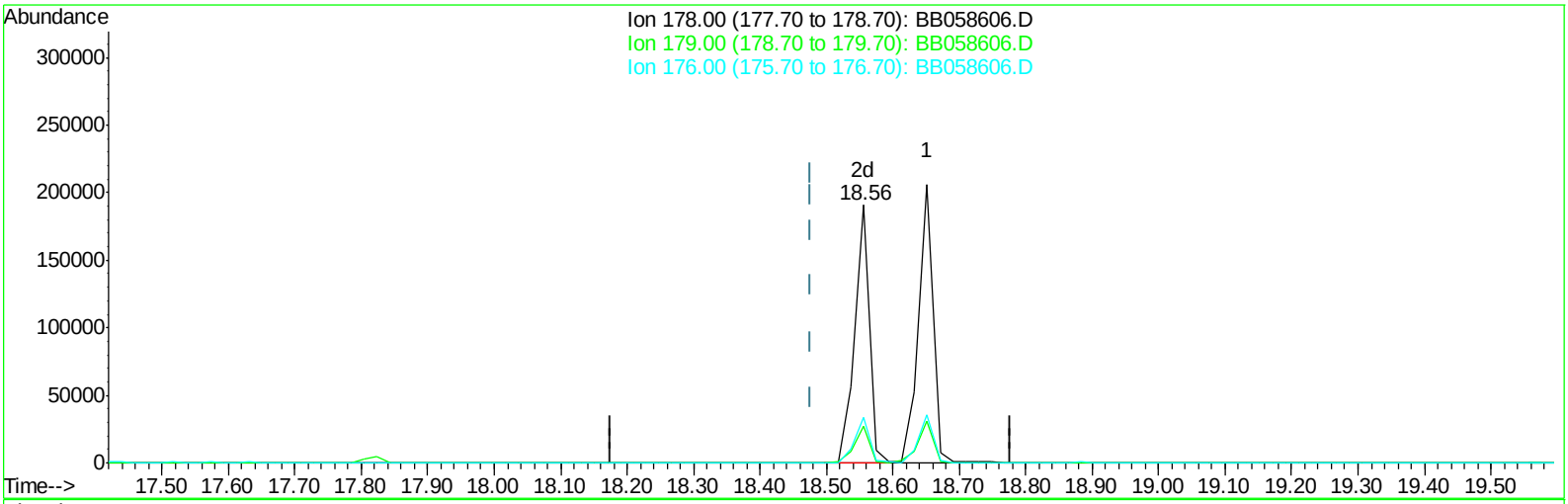
Quantitation Report (Qedit)

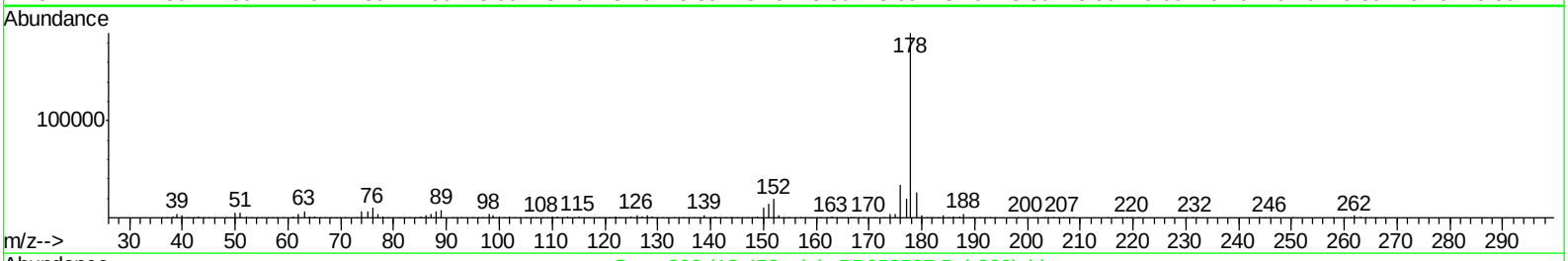
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

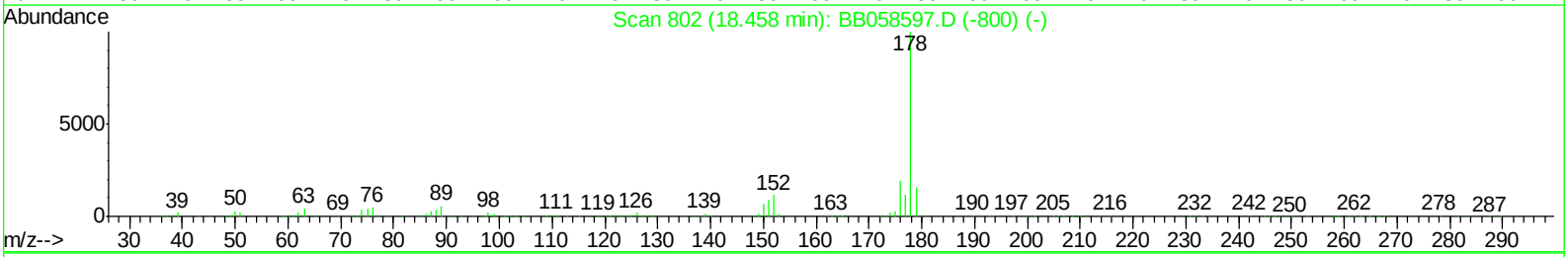
Quant Time: Oct 11 16:30:15 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM







TIC: BB058606.D

(69) Phenanthrene

18.555min (+0.079) 3.37ng/ul m

response 297162

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	14.07
176.00	18.90	17.55
0.00	0.00	0.00

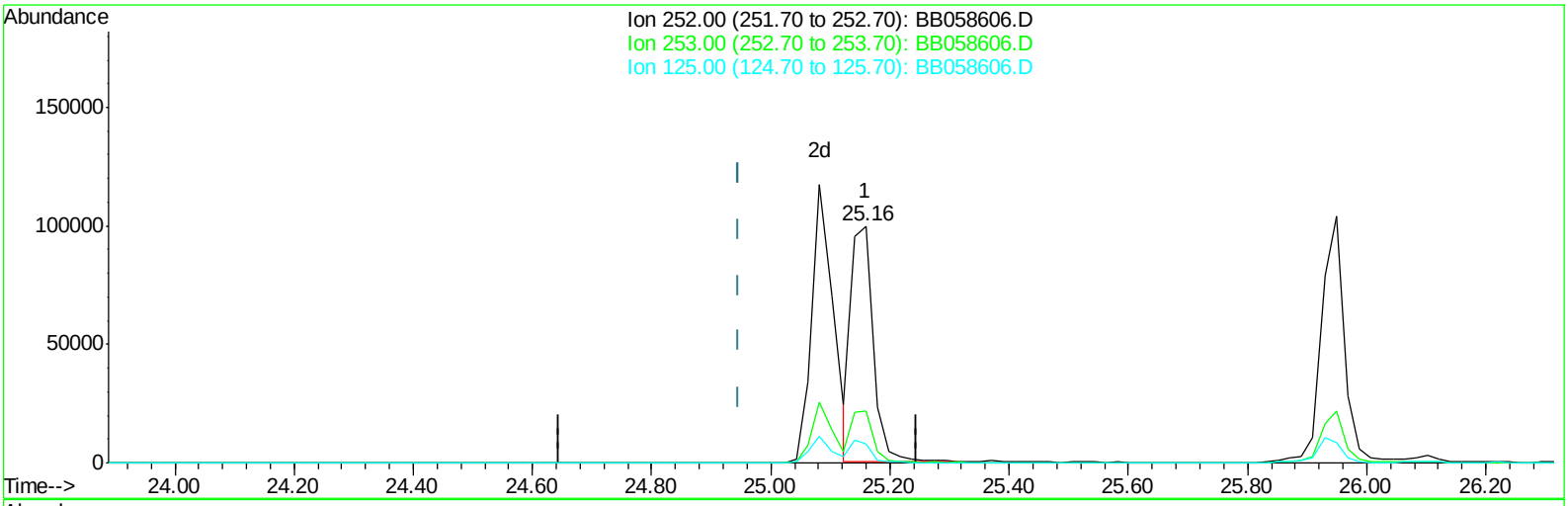
Quantitation Report (Qedit)

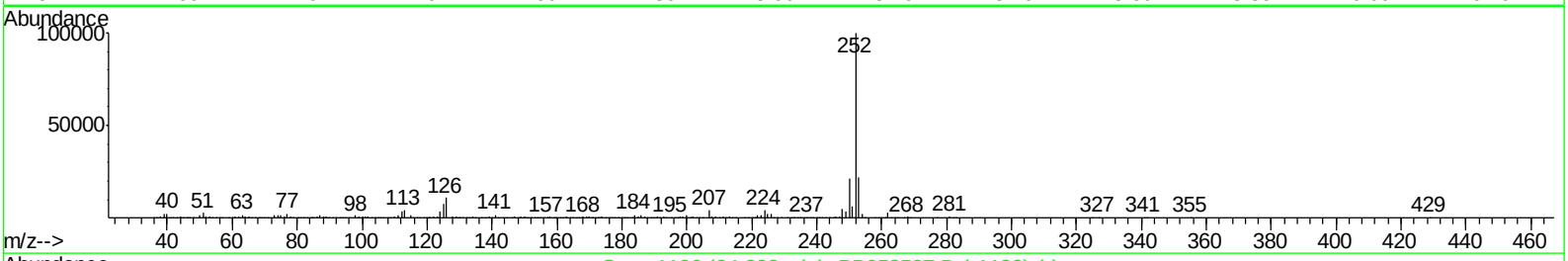
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

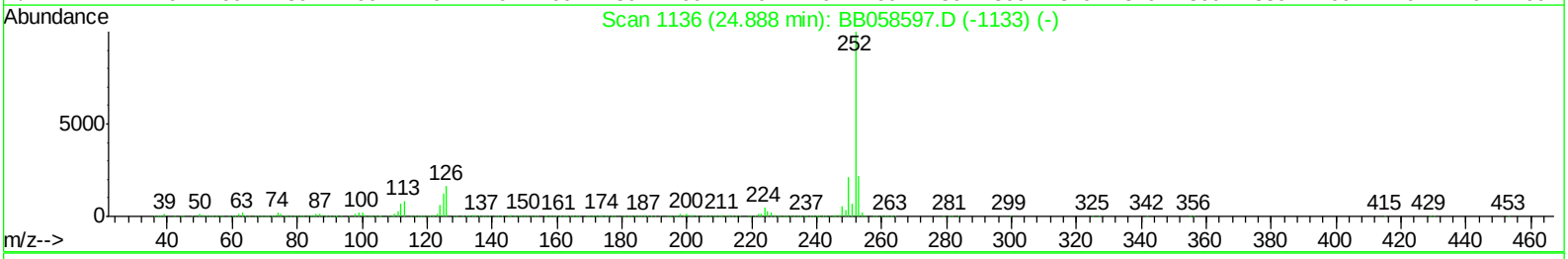
Quant Time: Oct 11 16:30:15 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM







TIC: BB058606.D

(85) Benzo(b)fluoranthene

25.159min (+0.213) 2.51ng/ul

response 261938

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	22.02
125.00	7.30	7.90
0.00	0.00	0.00

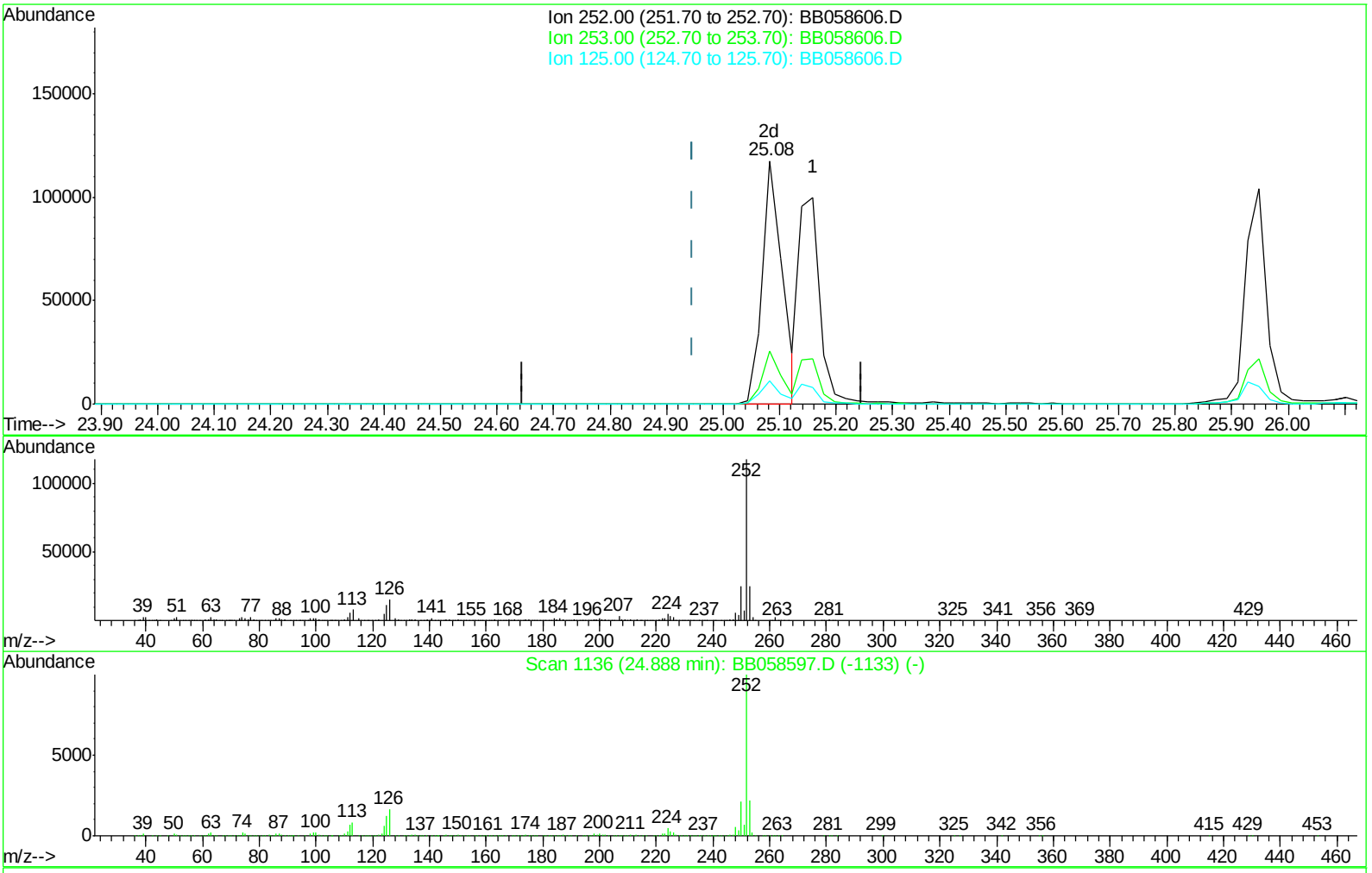
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 16:30:15 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM



TIC: BB058606.D

(85) Benzo(b)fluoranthene

25.082min (+0.136) 2.75ng/ul m

response 286765

Ion	Exp%	Act%
252.00	100	100
253.00	21.40	21.63
125.00	7.30	9.55#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM

Quant Time: Oct 11 16:32:04 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.79	152	513994	20.00	ng/ul	0.12
18) Naphthalene-d8	11.74	136	1864723	20.00	ng/ul	0.12
35) Acenaphthene-d10	15.67	164	1095797	20.00	ng/ul	0.08
61) Phenanthrene-d10	18.52	188	1772430m	20.00	ng/ul	0.08
75) Chrysene-d12	22.91	240	1845558	20.00	ng/ul	0.10
83) Perylene-d12	26.10	264	1581281	20.00	ng/ul	0.19
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.71	96	80500	7.09	ng/uL	0.08
5) Phenol-d5	7.93	99	1114998	29.86	ng/ul	0.12
7) Bis-(2-Chloroethyl)ether-d	8.06	67	763186	30.51	ng/ul	0.12
9) 2-Chlorophenol-d4	8.29	132	1239258	31.99	ng/ul	0.10
13) 4-Methylphenol-d8	9.56	113	962456	31.14	ng/ul	0.12
19) Nitrobenzene-d5	10.01	128	627738	32.56	ng/ul	0.12
22) 2-Nitrophenol-d4	10.78	143	730125	35.19	ng/ul	0.12
26) 2,4-Dichlorophenol-d3	11.35	165	974698	33.15	ng/ul	0.12
29) 4-Chloroaniline-d4	11.87	131	1288417	36.40	ng/ul	0.12
43) Dimethylphthalate-d6	15.05	166	2530886	34.74	ng/ul	0.08
46) Acenaphthylene-d8	15.36	160	3017963	35.12	ng/ul	0.10
51) 4-Nitrophenol-d4	15.86	143	471678	28.19	ng/ul	0.06
57) Fluorene-d10	16.69	176	2030508	34.02	ng/ul	0.08
62) 4,6-Dinitro-2-methylphenol	16.80	200	490199	26.05	ng/ul	0.06
70) Anthracene-d10	18.61	188	2662597	33.59	ng/ul	0.08
76) Pyrene-d10	20.96	212	2951051	36.39	ng/ul	0.08
87) Benzo(a)pyrene-d12	25.89	264	2456304	34.02	ng/ul	0.19
Target Compounds						Qvalue
2) 1,4-Dioxane	3.75	88	14144	1.26	ng/uL#	83
4) Benzaldehyde	7.85	77	55858	2.32	ng/ul	95
6) Phenol	7.95	94	106923	2.89	ng/ul#	57
8) Bis(2-Chloroethyl)ether	8.16	93	91071	2.98	ng/ul	88
10) 2-Chlorophenol	8.33	128	109751	2.98	ng/ul	96
11) 2-Methylphenol	9.28	108	79115	2.66	ng/ul	92
12) 2,2'-oxybis(1-Chloropropan	9.37	45	146865	2.73	ng/ul#	92
14) Acetophenone	9.66	105	127231	2.81	ng/ul#	87
15) N-Nitroso-di-n-propylamine	9.66	70	71853	2.69	ng/ul#	60
16) 4-Methylphenol	9.62	108	87258	2.72	ng/ul	99
17) Hexachloroethane	9.95	117	49686	2.78	ng/ul#	75
20) Nitrobenzene	10.05	77	115532	3.19	ng/ul#	89
21) Isophorone	10.60	82	203209	2.91	ng/ul	94
23) 2-Nitrophenol	10.80	139	65120	3.01	ng/ul#	87
24) 2,4-Dimethylphenol	10.87	107	105817	2.98	ng/ul	96
25) Bis(2-Chloroethoxy)methane	11.10	93	96428	2.86	ng/ul#	90
27) 2,4-Dichlorophenol	11.37	162	90920	3.09	ng/ul#	85
28) Naphthalene	11.78	128	290398	3.27	ng/ul	99
30) 4-Chloroaniline	11.89	127	107311	3.20	ng/ul	96
31) Hexachlorobutadiene	12.12	225	62535	3.11	ng/ul	96
32) Caprolactam	12.70	113	26651	2.49	ng/ul	91
33) 4-Chloro-3-methylphenol	13.05	107	84055	2.86	ng/ul	92
34) 2-Methylnaphthalene	13.43	142	195160	3.19	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 16:32:04 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.82	216	107907	3.21 ng/ul#	96
37) Hexachlorocyclopentadiene	13.84	237	36534	1.72 ng/ul	94
38) 2,4,6-Trichlorophenol	14.05	196	64352	3.15 ng/ul	99
39) 2,4,5-Trichlorophenol	14.13	196	68048	3.14 ng/ul	96
40) 1,1'-Biphenyl	14.45	154	232974	3.17 ng/ul	99
41) 2-Chloronaphthalene	14.49	162	176987	3.02 ng/ul	95
42) 2-Nitroaniline	14.69	65	59286	2.64 ng/ul#	90
44) Dimethylphthalate	15.09	163	232568	3.19 ng/ul#	96
45) 2,6-Dinitrotoluene	15.21	165	56210	3.05 ng/ul	87
47) Acenaphthylene	15.38	152	288777	3.46 ng/ul	99
48) 3-Nitroaniline	14.69	138	64438	2.68 ng/ul#	41
49) Acenaphthene	15.73	153	180416	3.15 ng/ul	92
50) 2,4-Dinitrophenol	15.74	184	21305	1.62 ng/ul#	1
52) 4-Nitrophenol	15.88	109	37610	2.76 ng/ul#	84
53) Dibenzofuran	16.07	168	271747	3.33 ng/ul	94
54) 2,4-Dinitrotoluene	16.01	165	77493	3.02 ng/ul#	86
55) 2,3,4,6-Tetrachlorophenol	16.32	232	55392	2.92 ng/ul#	98
56) Diethylphthalate	16.51	149	237215	3.14 ng/ul	98
58) Fluorene	16.75	166	208761	3.15 ng/ul	93
59) 4-Chlorophenyl-phenylether	16.73	204	106819	3.00 ng/ul#	85
60) 4-Nitroaniline	16.75	138	33482	1.76 ng/ul#	70
63) 4,6-Dinitro-2-methylphenol	16.82	198	52284	2.78 ng/ul	93
64) N-Nitrosodiphenylamine	16.96	169	173698	3.04 ng/ul	94
65) 4-Bromophenyl-phenylether	17.67	248	64584m	2.85 ng/ul	
66) Hexachlorobenzene	17.82	284	70118	3.08 ng/ul	94
67) Atrazine	17.94	200	62149	2.85 ng/ul#	87
68) Pentachlorophenol	18.17	266	36951	2.29 ng/ul	99
69) Phenanthrene	18.56	178	297162m	3.37 ng/ul	
71) Anthracene	18.65	178	304729	3.38 ng/ul	99
72) Carbazole	18.90	167	239539	3.18 ng/ul#	97
73) Di-n-butylphthalate	19.50	149	450594	3.66 ng/ul	98
74) Fluoranthene	20.60	202	316972	3.53 ng/ul#	94
77) Pyrene	20.98	202	351995	3.65 ng/ul#	91
78) Butylbenzylphthalate	21.89	149	182356	2.92 ng/ul#	83
79) 3,3'-Dichlorobenzidine	22.77	252	65221	2.00 ng/ul#	97
80) Benzo(a)anthracene	22.87	228	310583	3.30 ng/ul	98
81) Bis(2-ethylhexyl)phthalate	22.79	149	255760	3.08 ng/ul#	96
82) Chrysene	22.95	228	283947	3.22 ng/ul	98
84) Di-n-octyl phthalate	22.79	149	255760	3.11 ng/ul#	62
85) Benzo(b)fluoranthene	25.08	252	286765m	2.75 ng/ul	
86) Benzo(k)fluoranthene	25.16	252	261938	3.24 ng/ul	99
88) Benzo(a)pyrene	25.95	252	255481	2.91 ng/ul	99
89) Indeno(1,2,3-cd)pyrene	29.53	276	223758	2.91 ng/ul	92
90) Dibenzo(a,h)anthracene	29.59	278	176077	2.76 ng/ul#	95
91) Benzo(g,h,i)perylene	30.59	276	182823	3.02 ng/ul#	95

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

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101116\
Data File : BB058606.D
Acq On : 11 Oct 2016 15:21
Operator : UM/SJ
Sample : MDL-03-S
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 11 16:32:04 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 11 16:28:55 2016
Response via : Initial Calibration

Instrument :
BNA_B
ClientSampleId :
MDL-03-S

Manual Integrations APPROVED
umangi
10/11/2016 7:11:00 PM