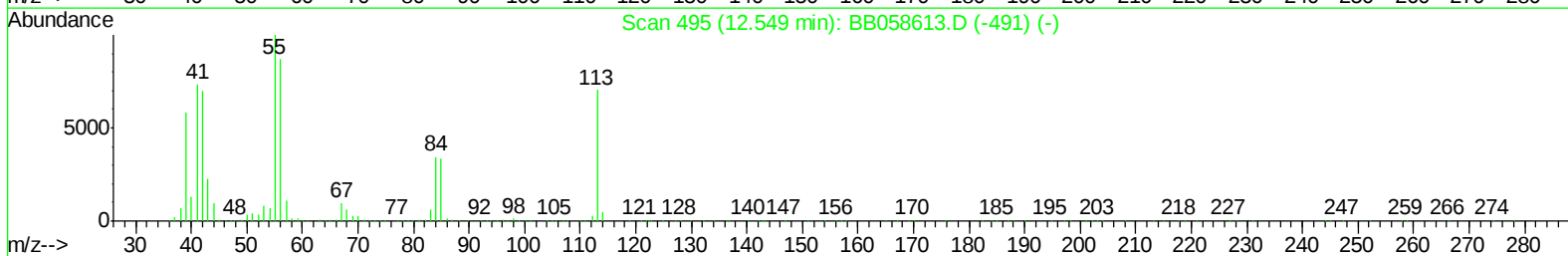
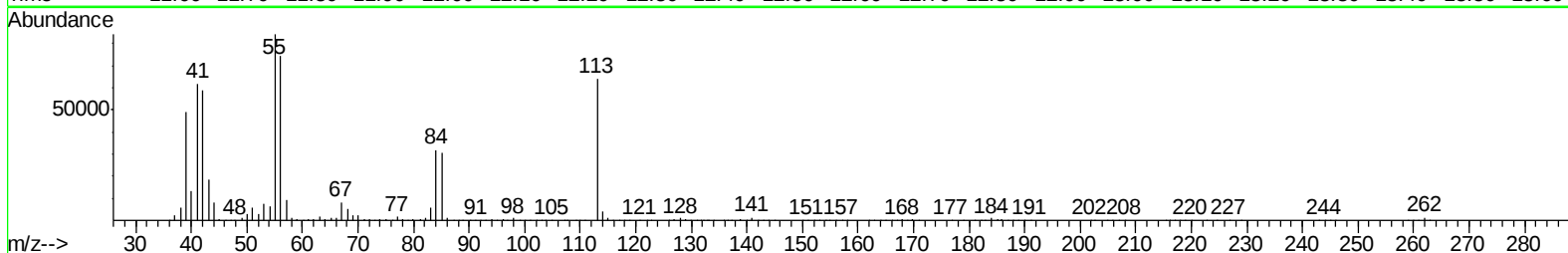
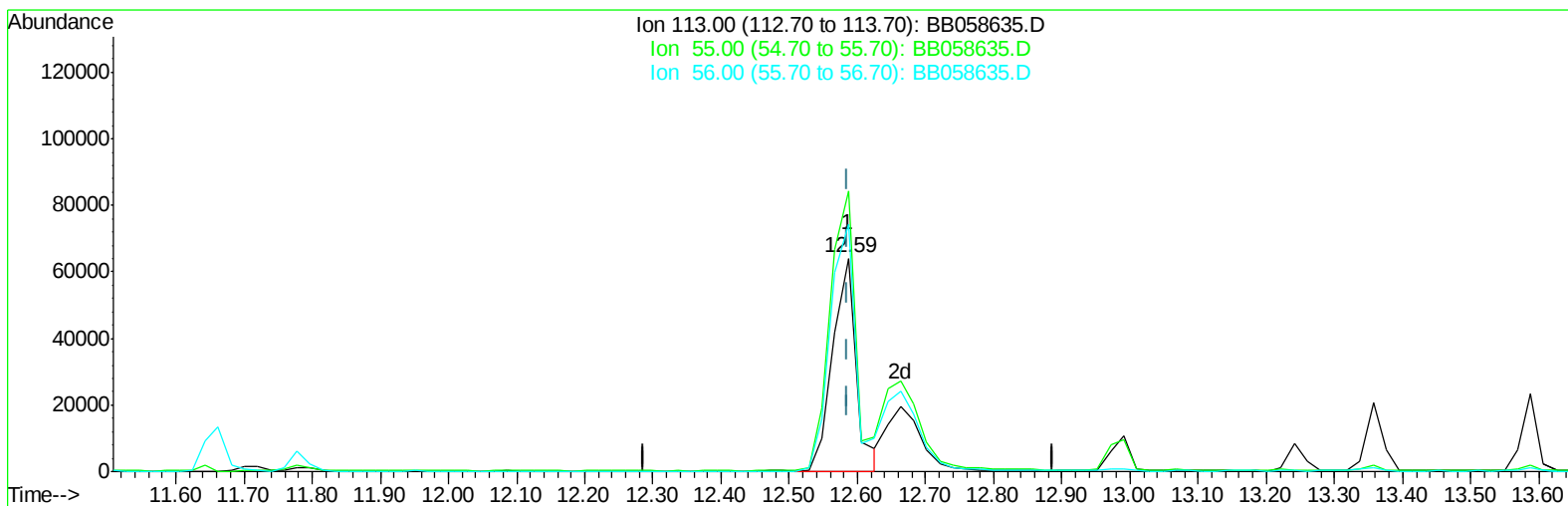


Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
Data File : BB058635.D
Acq On : 18 Oct 2016 10:43
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:02:03 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 19 12:01:40 2016
Response via : Initial Calibration



TIC: BB058635.D

(32) Caprolactam

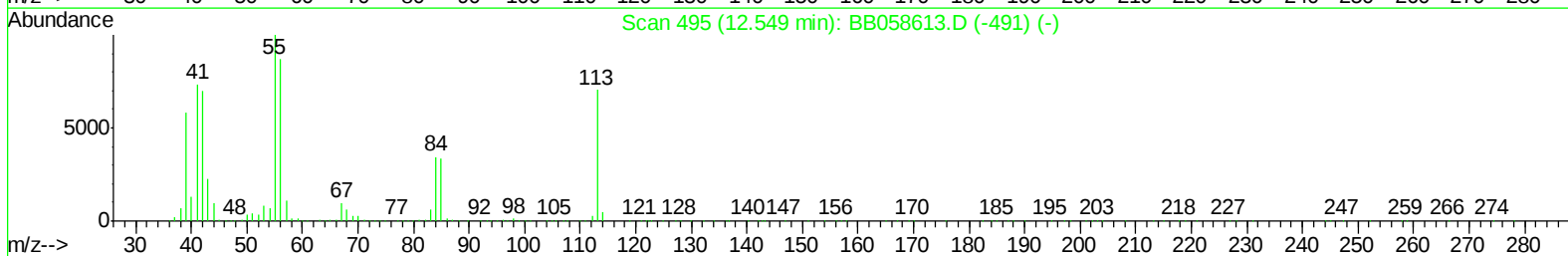
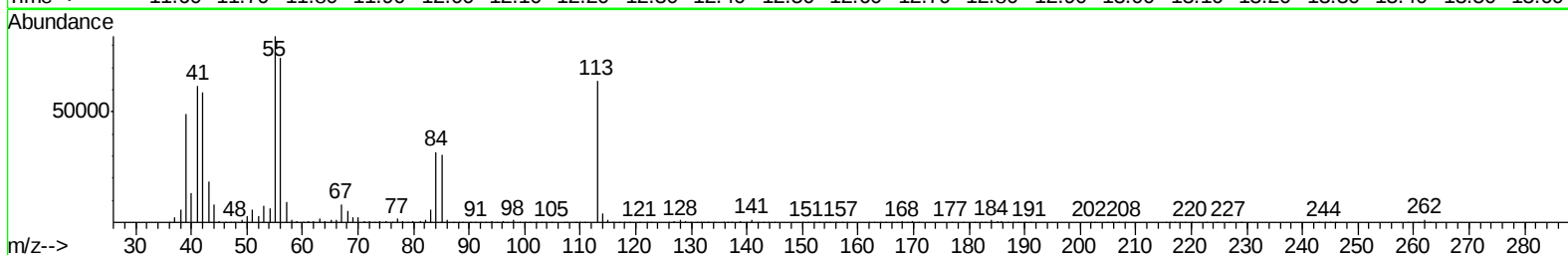
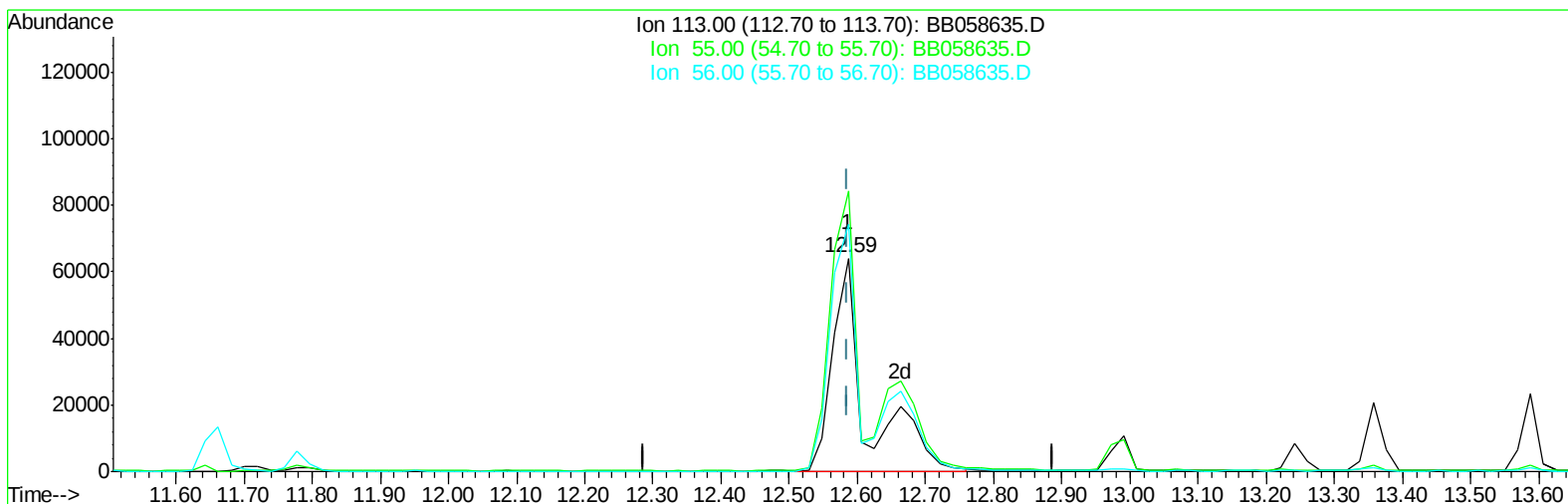
12.586min (0.000) 14.19ng/ul

response 151874

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	131.41
56.00	121.70	115.87
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
Data File : BB058635.D
Acq On : 18 Oct 2016 10:43
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:02:03 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 19 12:01:40 2016
Response via : Initial Calibration



TIC: BB058635.D

(32) Caprolactam

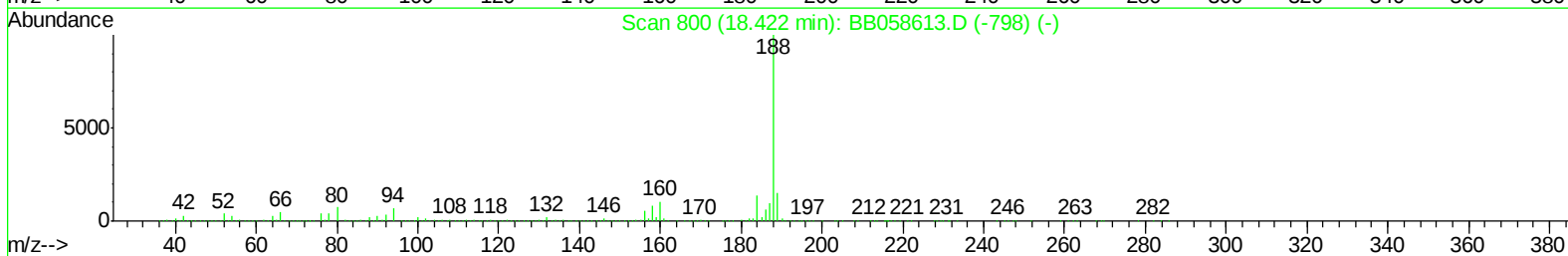
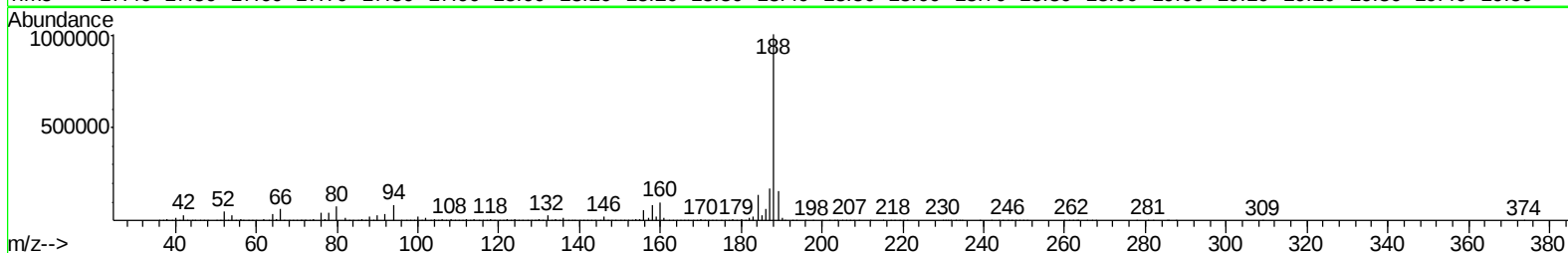
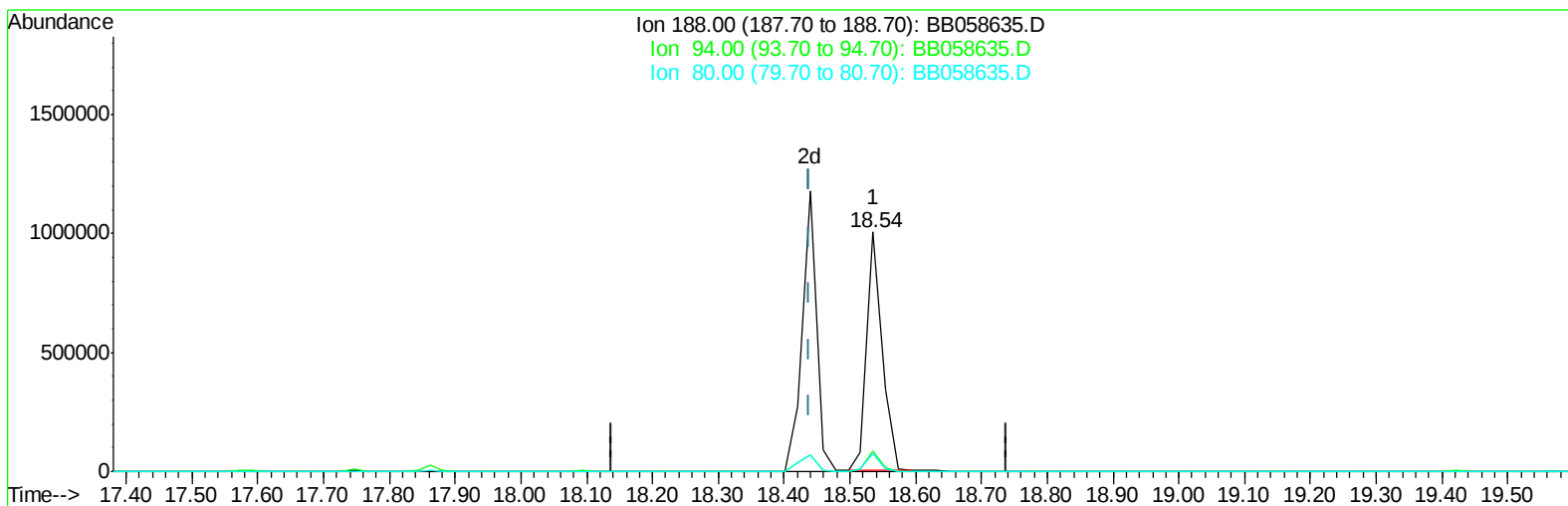
12.586min (0.000) 20.66ng/ul m

response 221107

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	131.41
56.00	121.70	115.87
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
Data File : BB058635.D
Acq On : 18 Oct 2016 10:43
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:02:03 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 19 12:01:40 2016
Response via : Initial Calibration



TIC: BB058635.D

(61) Phenanthrene-d10 (I)

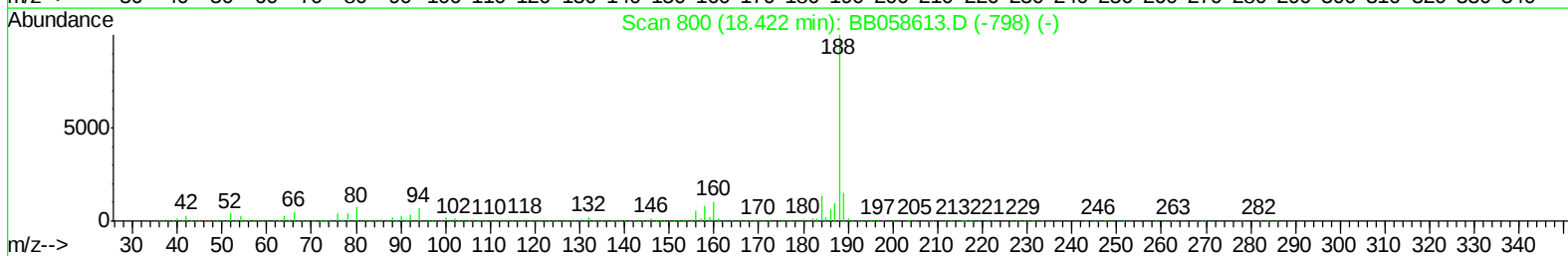
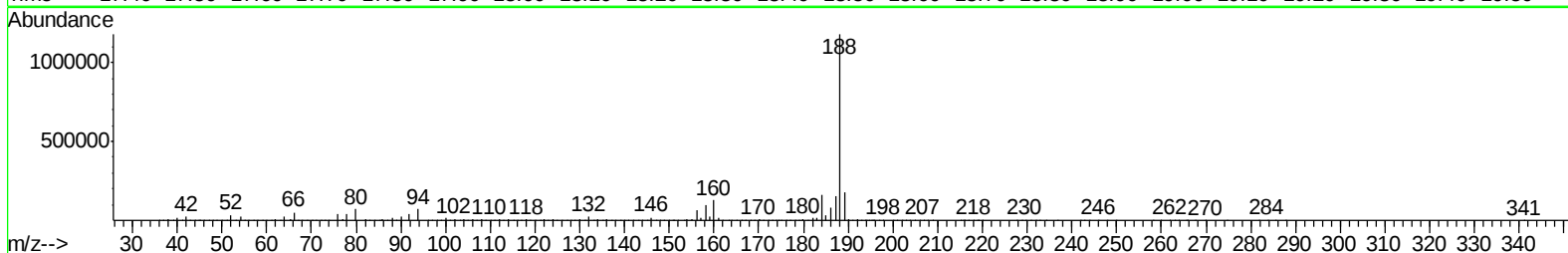
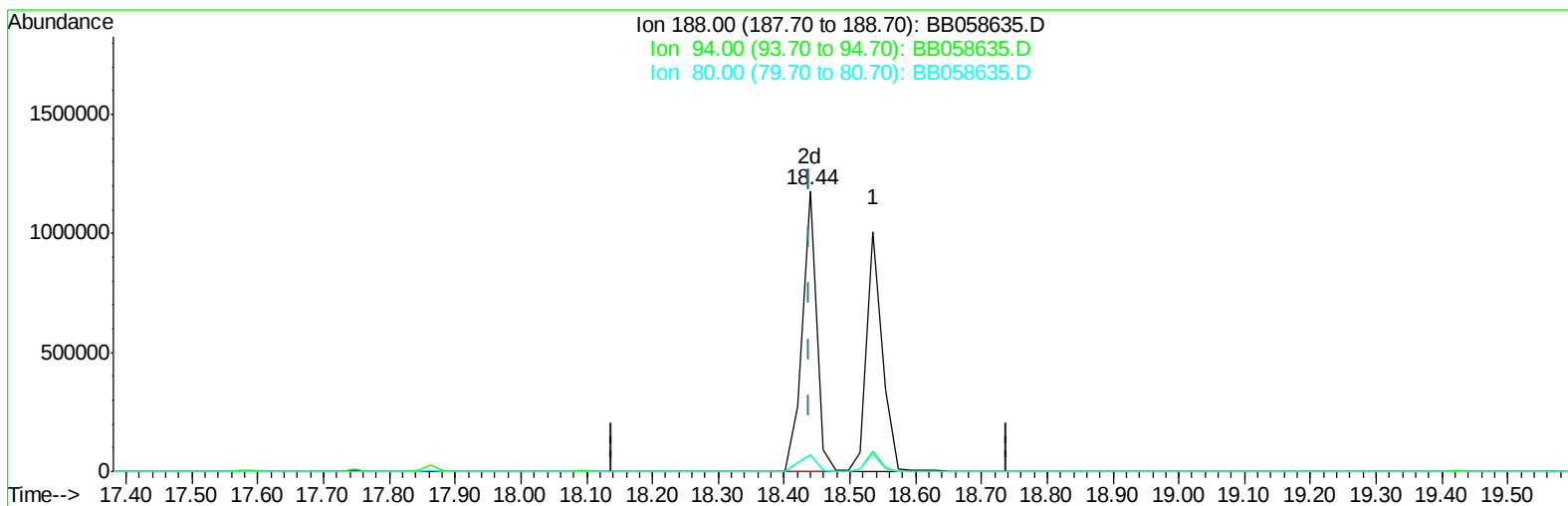
18.536min (+0.096) 20.00ng/ul

response 1646847

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	8.52
80.00	8.60	7.43
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
Data File : BB058635.D
Acq On : 18 Oct 2016 10:43
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:02:03 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 19 12:01:40 2016
Response via : Initial Calibration



TIC: BB058635.D

(61) Phenanthrene-d10 (I)

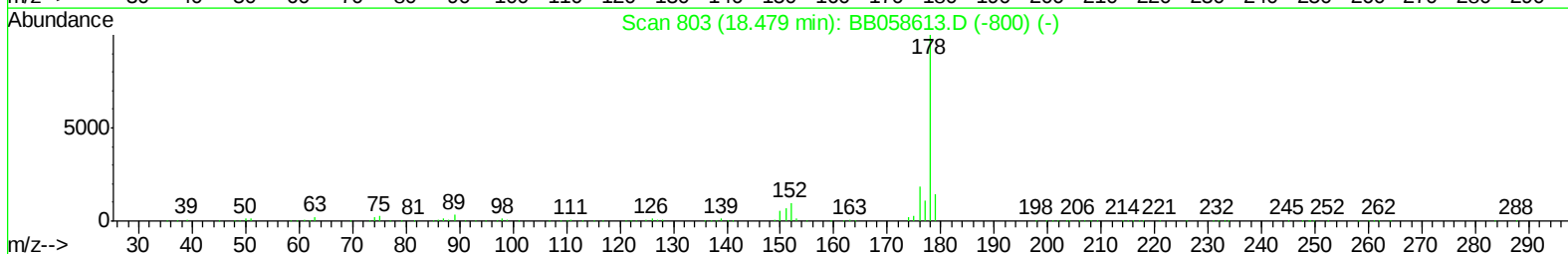
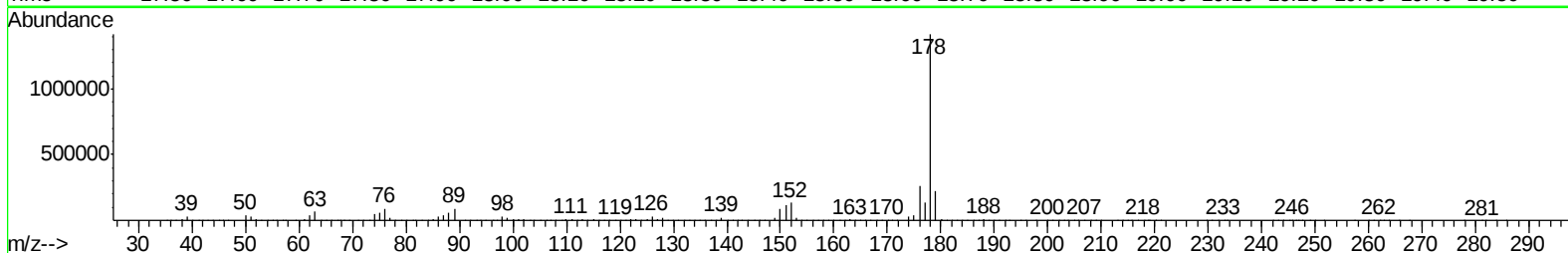
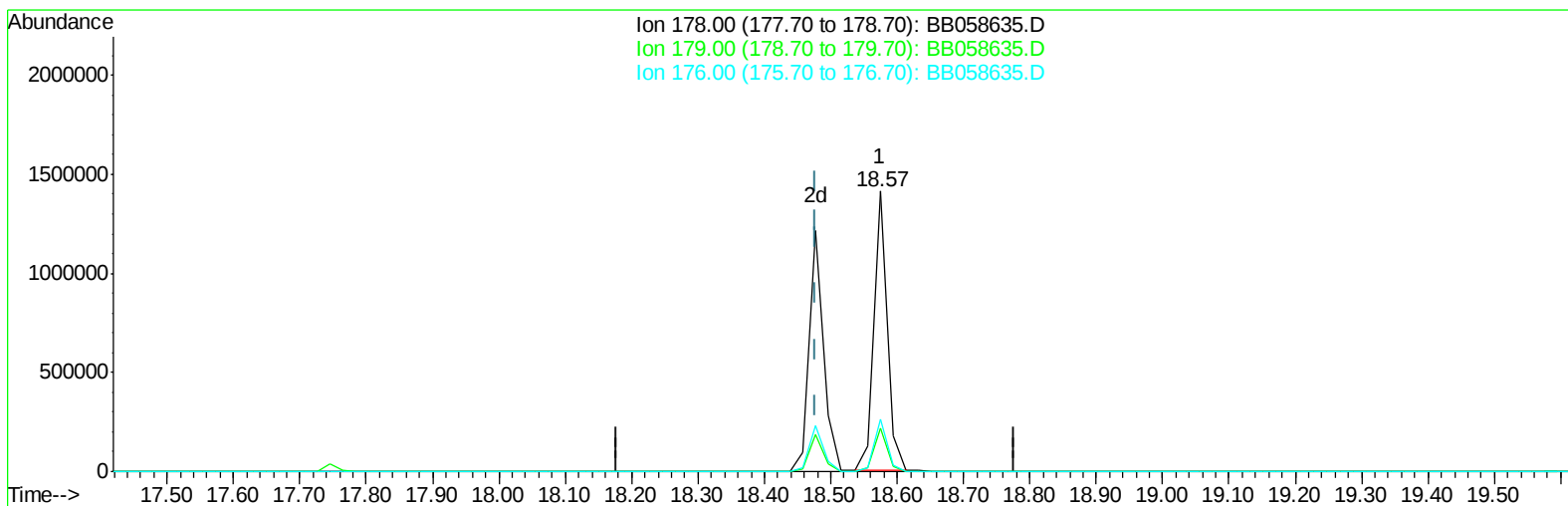
18.439min (0.000) 20.00ng/ul m

response 1788374

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	5.86#
80.00	8.60	5.91#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
Data File : BB058635.D
Acq On : 18 Oct 2016 10:43
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:05:29 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 19 12:01:40 2016
Response via : Initial Calibration



TIC: BB058635.D

(69) Phenanthrene

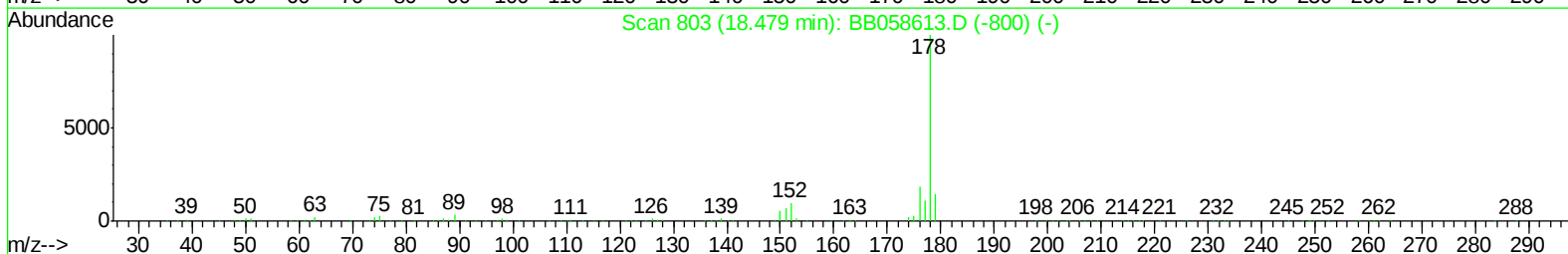
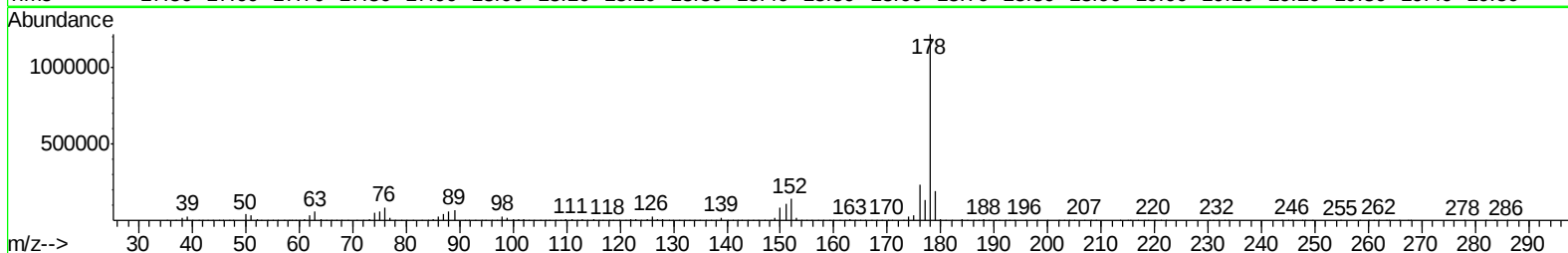
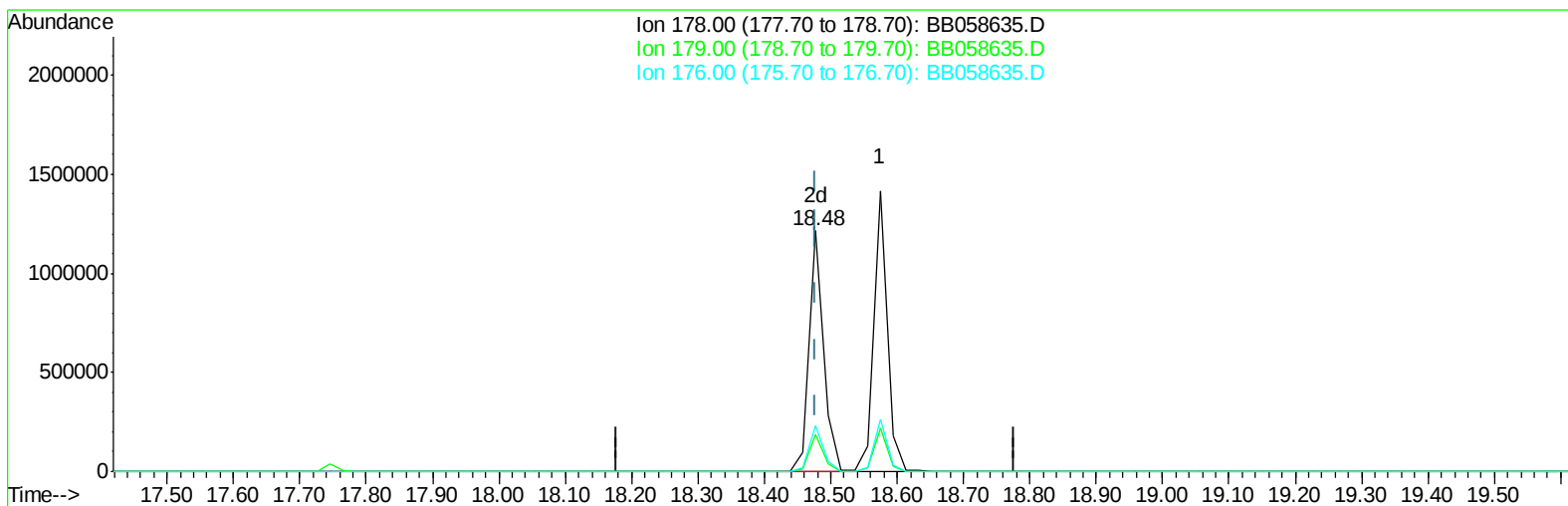
18.574min (+0.096) 22.22ng/ul

response 1978785

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	15.67
176.00	18.90	18.57
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
Data File : BB058635.D
Acq On : 18 Oct 2016 10:43
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:05:29 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 19 12:01:40 2016
Response via : Initial Calibration



TIC: BB058635.D

(69) Phenanthrene

18.478min (0.000) 20.82ng/ul m

response 1854295

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	15.56
176.00	18.90	19.01
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
 Data File : BB058635.D
 Acq On : 18 Oct 2016 10:43
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:06:20 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 19 12:01:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	500648	20.00	ng/ul	0.00
18) Naphthalene-d8	11.66	136	1864362	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.61	164	1080925	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.44	188	1788374m	20.00	ng/ul	0.00
75) Chrysene-d12	22.81	240	1878364	20.00	ng/ul	0.00
83) Perylene-d12	25.89	264	1384240	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.67	96	83408	7.54	ng/uL	0.00
5) Phenol-d5	7.85	99	692912	19.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.98	67	510534	20.95	ng/ul	0.00
9) 2-Chlorophenol-d4	8.22	132	756708	20.06	ng/ul	0.00
13) 4-Methylphenol-d8	9.49	113	584727	19.42	ng/ul	0.00
19) Nitrobenzene-d5	9.93	128	391994	20.34	ng/ul	0.00
22) 2-Nitrophenol-d4	10.70	143	428340	20.65	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.28	165	611855	20.81	ng/ul	0.00
29) 4-Chloroaniline-d4	11.78	131	762022	21.53	ng/ul	0.00
43) Dimethylphthalate-d6	14.97	166	1517846	21.12	ng/ul	0.00
46) Acenaphthylene-d8	15.28	160	1787652	21.09	ng/ul	0.00
51) 4-Nitrophenol-d4	15.80	143	288623	17.49	ng/ul	0.00
57) Fluorene-d10	16.63	176	1239129	21.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.75	200	340474	17.93	ng/ul	0.00
70) Anthracene-d10	18.54	188	1646847	20.59	ng/ul	0.00
76) Pyrene-d10	20.87	212	1739691	21.08	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.68	264	1265175	20.02	ng/ul	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.73	88	82086	7.49	ng/uL#	76
4) Benzaldehyde	7.77	77	512656	21.89	ng/ul	96
6) Phenol	7.87	94	690303	19.16	ng/ul#	70
8) Bis(2-Chloroethyl)ether	8.08	93	603099	20.28	ng/ul#	83
10) 2-Chlorophenol	8.25	128	705175	19.64	ng/ul	98
11) 2-Methylphenol	9.20	108	547946	18.91	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	9.29	45	1116397	21.34	ng/ul#	88
14) Acetophenone	9.58	105	846917	19.22	ng/ul#	92
15) N-Nitroso-di-n-propylamine	9.58	70	480083	18.42	ng/ul#	56
16) 4-Methylphenol	9.54	108	579661	18.53	ng/ul	98
17) Hexachloroethane	9.87	117	355265	20.43	ng/ul#	72
20) Nitrobenzene	9.97	77	743715	20.54	ng/ul#	91
21) Isophorone	10.53	82	1326508	19.00	ng/ul	96
23) 2-Nitrophenol	10.72	139	435880	20.15	ng/ul	95
24) 2,4-Dimethylphenol	10.80	107	711406	20.07	ng/ul	98
25) Bis(2-Chloroethoxy)methane	11.03	93	682872	20.28	ng/ul#	93
27) 2,4-Dichlorophenol	11.30	162	603557	20.50	ng/ul	97
28) Naphthalene	11.72	128	1825221	20.56	ng/ul	100
30) 4-Chloroaniline	11.82	127	716676	21.36	ng/ul	97
31) Hexachlorobutadiene	12.05	225	418958	20.83	ng/ul	98
32) Caprolactam	12.59	113	221107m	20.66	ng/ul	
33) 4-Chloro-3-methylphenol	12.99	107	595448	20.29	ng/ul	86
34) 2-Methylnaphthalene	13.36	142	1257292	20.53	ng/ul	96

Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\
 Data File : BB058635.D
 Acq On : 18 Oct 2016 10:43
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 19 12:06:20 2016
 Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 19 12:01:40 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.76	216	721383	21.73	ng/ul	96
37) Hexachlorocyclopentadiene	13.76	237	388921	18.57	ng/ul	98
38) 2,4,6-Trichlorophenol	13.99	196	432328	21.44	ng/ul	98
39) 2,4,5-Trichlorophenol	14.07	196	435024	20.32	ng/ul	97
40) 1,1'-Biphenyl	14.40	154	1554524	21.45	ng/ul#	97
41) 2-Chloronaphthalene	14.43	162	1214126	21.02	ng/ul	99
42) 2-Nitroaniline	14.63	65	465609	20.99	ng/ul#	89
44) Dimethylphthalate	15.03	163	1550276	21.57	ng/ul#	96
45) 2,6-Dinitrotoluene	15.13	165	354800	19.54	ng/ul#	76
47) Acenaphthylene	15.30	152	1782609	21.68	ng/ul	100
48) 3-Nitroaniline	14.63	138	466582	19.64	ng/ul#	40
49) Acenaphthene	15.67	153	1185017	21.00	ng/ul	92
50) 2,4-Dinitrophenol	15.69	184	214247	16.55	ng/ul#	69
52) 4-Nitrophenol	15.80	109	244790	18.24	ng/ul#	85
53) Dibenzofuran	16.01	168	1756798	21.84	ng/ul	96
54) 2,4-Dinitrotoluene	15.96	165	537929	21.24	ng/ul#	94
55) 2,3,4,6-Tetrachlorophenol	16.24	232	383702	20.50	ng/ul#	67
56) Diethylphthalate	16.44	149	1684096	22.58	ng/ul	98
58) Fluorene	16.69	166	1384646	21.16	ng/ul	92
59) 4-Chlorophenyl-phenylether	16.67	204	747097	21.25	ng/ul	96
60) 4-Nitroaniline	16.69	138	340353	18.15	ng/ul#	81
63) 4,6-Dinitro-2-methylphenol	16.76	198	349862	18.45	ng/ul#	82
64) N-Nitrosodiphenylamine	16.88	169	1148487	19.90	ng/ul	94
65) 4-Bromophenyl-phenylether	17.59	248	460202	20.10	ng/ul	97
66) Hexachlorobenzene	17.75	284	442871	19.29	ng/ul#	77
67) Atrazine	17.86	200	399042	18.16	ng/ul	91
68) Pentachlorophenol	18.09	266	279351	17.18	ng/ul	99
69) Phenanthrene	18.48	178	1854295m	20.82	ng/ul	
71) Anthracene	18.57	178	1978785	21.76	ng/ul	99
72) Carbazole	18.84	167	1685326	22.20	ng/ul	97
73) Di-n-butylphthalate	19.42	149	2821205	22.74	ng/ul	99
74) Fluoranthene	20.54	202	2172056	23.95	ng/ul#	93
77) Pyrene	20.90	202	2199036	22.40	ng/ul	97
78) Butylbenzylphthalate	21.81	149	1270415	19.97	ng/ul#	81
79) 3,3'-Dichlorobenzidine	22.69	252	661868	19.94	ng/ul	96
80) Benzo(a)anthracene	22.77	228	1998384	20.89	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	22.69	149	1782490	21.07	ng/ul#	89
82) Chrysene	22.85	228	1939326	21.63	ng/ul	99
84) Di-n-octyl phthalate	22.69	149	1782490	24.74	ng/ul#	72
85) Benzo(b)fluoranthene	24.93	252	1972422	21.58	ng/ul#	98
86) Benzo(k)fluoranthene	24.99	252	1440757	20.33	ng/ul#	97
88) Benzo(a)pyrene	25.74	252	1595085	20.73	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	29.18	276	1258901	18.73	ng/ul#	91
90) Dibenzo(a,h)anthracene	29.22	278	1014560	18.20	ng/ul#	94
91) Benzo(g,h,i)perylene	30.18	276	987551	18.62	ng/ul#	92

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

```
Data Path : Z:\HPCHEM1\BNA_B\Data\BB101816\  
Data File : BB058635.D  
Acq On    : 18 Oct 2016   10:43  
Operator  : UM/SJ  
Sample    : SSTCCCC020  
Misc      :  
ALS Vial  : 2      Sample Multiplier: 1
```

Quant Time: Oct 19 12:06:20 2016
Quant Method : Z:\HPCHEM1\BNA_B\METHOD\SOM02.2-EPA-BB101016.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 19 12:01:40 2016
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