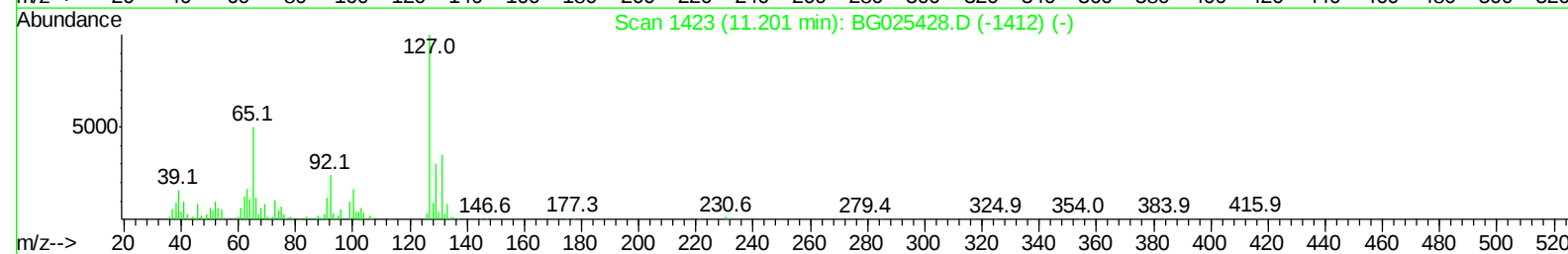
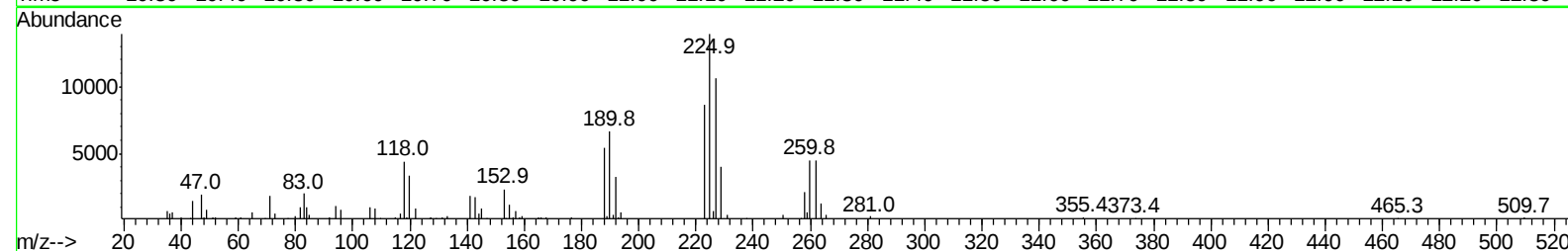
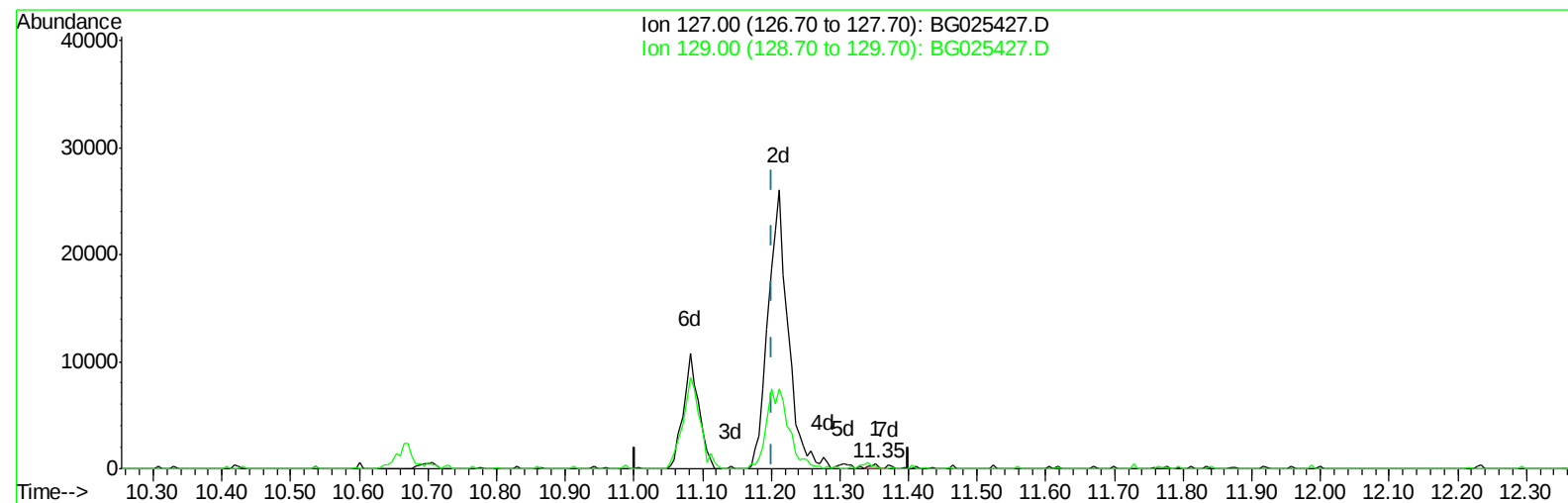


Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(30) 4-Chloroaniline

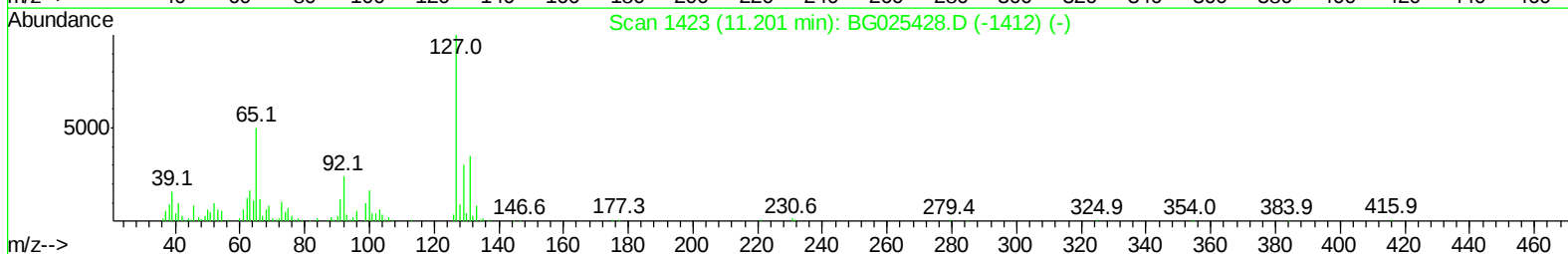
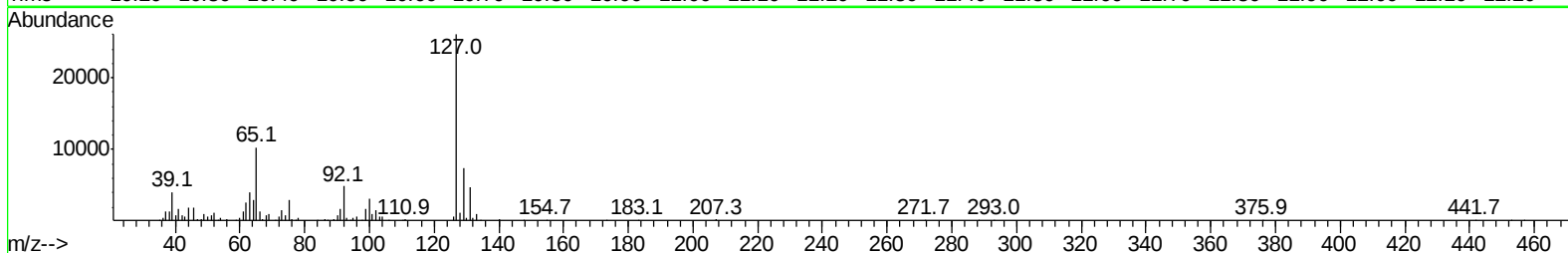
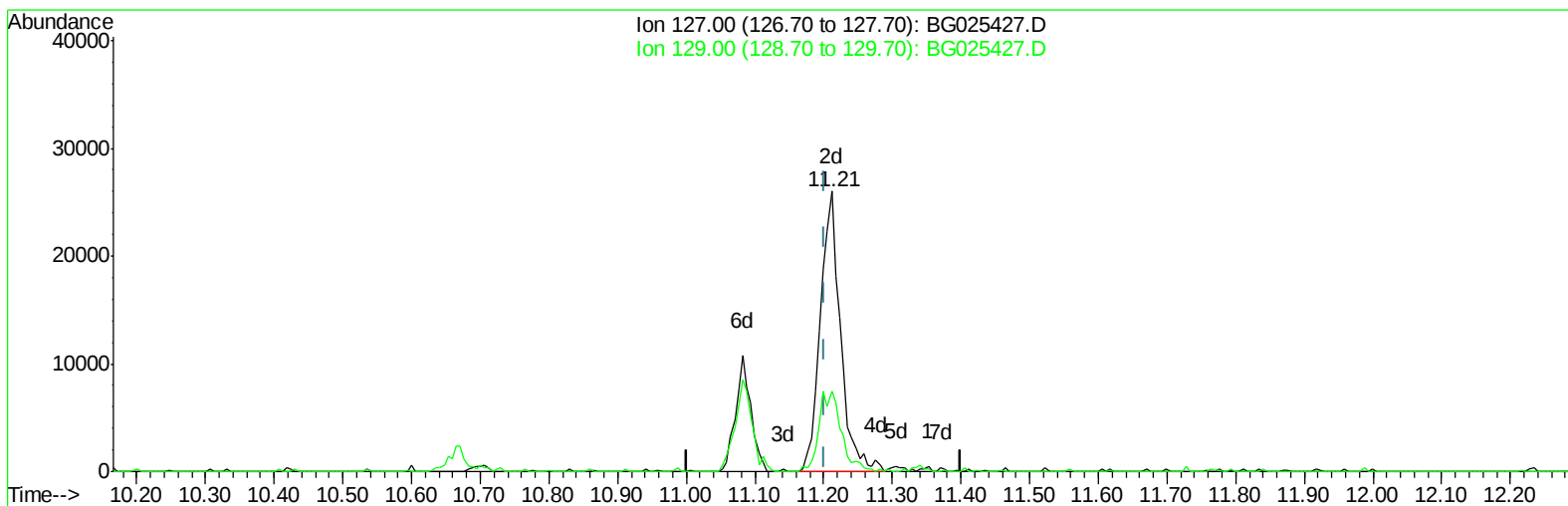
11.353min (+0.151) 0.07ng/ul

response 355

Ion	Exp%	Act%
127.00	100	100
129.00	36.10	38.64
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(30) 4-Chloroaniline

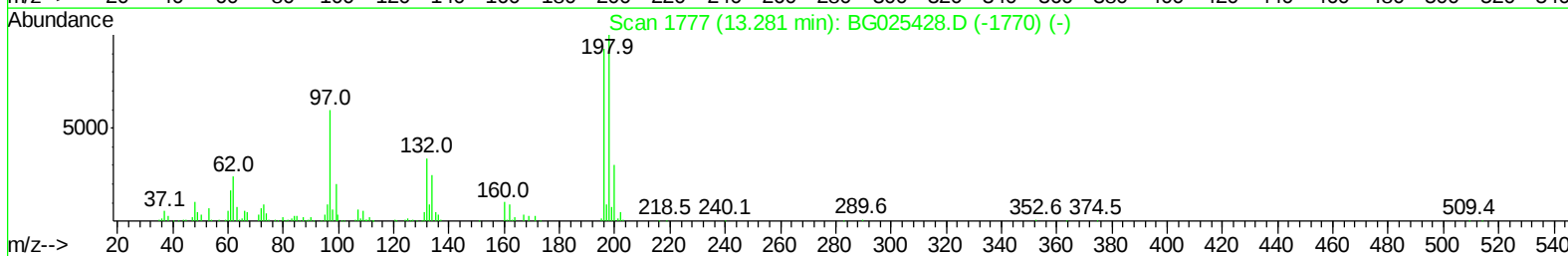
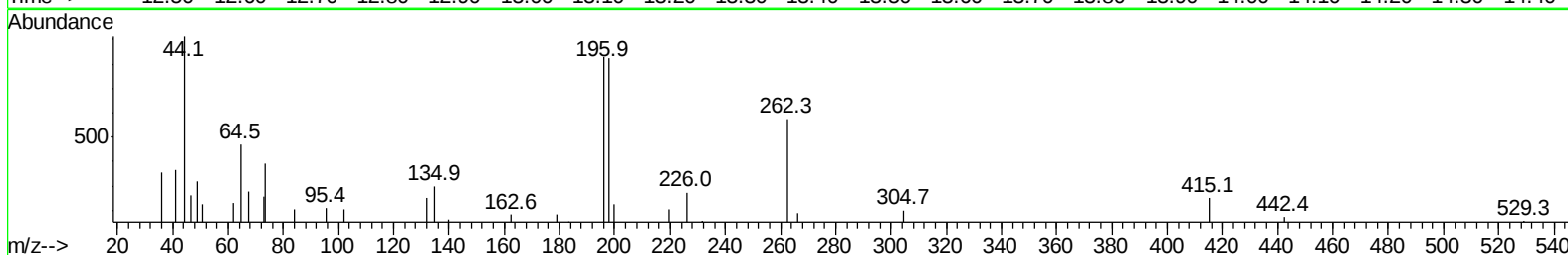
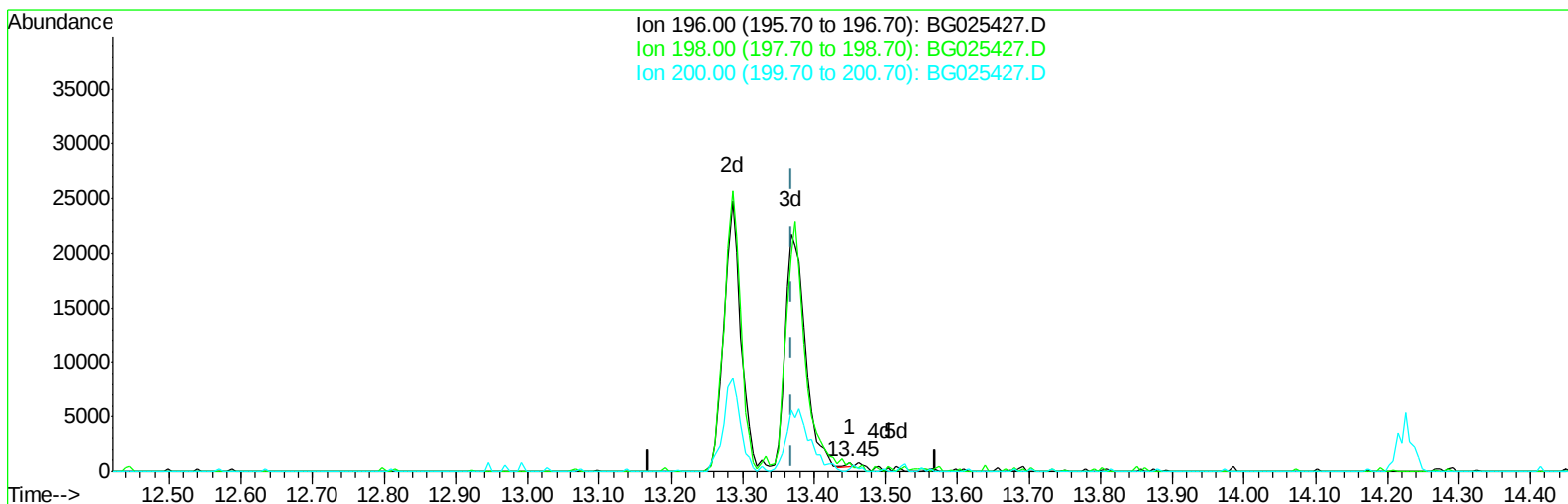
11.212min (+0.010) 10.58ng/ul m

response 52835

Ion	Exp%	Act%
127.00	100	100
129.00	36.10	28.74#
0.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SST01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(39) 2,4,5-Trichlorophenol

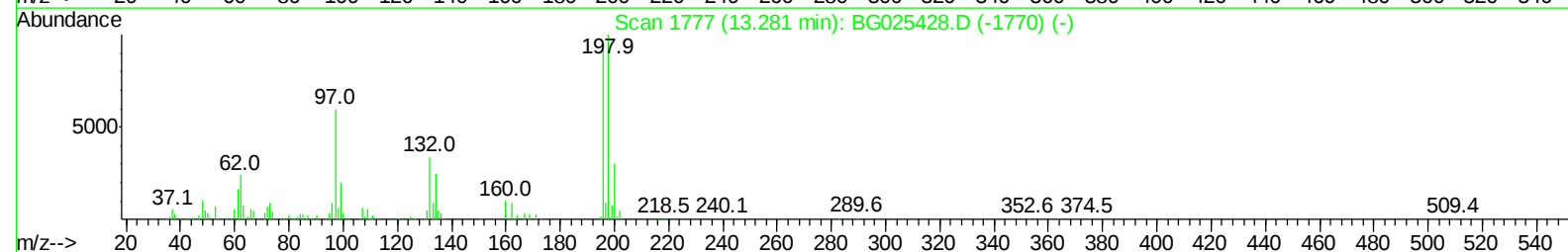
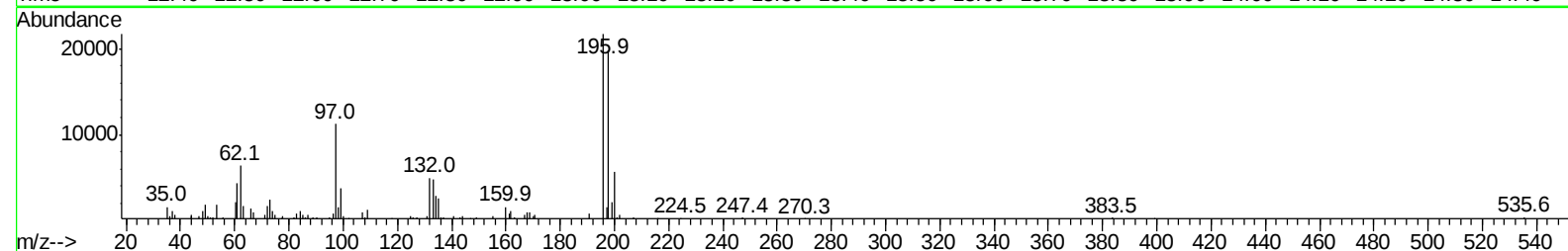
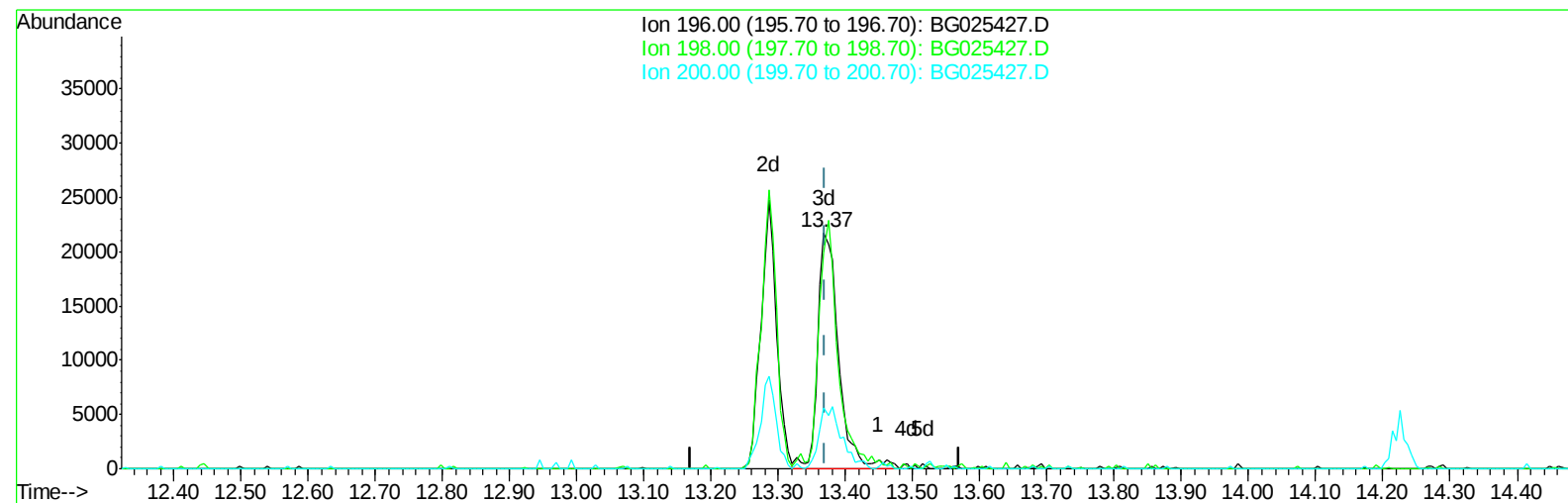
13.450min (+0.081) 0.05ng/ul

response 229

Ion	Exp%	Act%
196.00	100	100
198.00	98.30	99.28
200.00	34.10	27.29
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SST01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(39) 2,4,5-Trichlorophenol

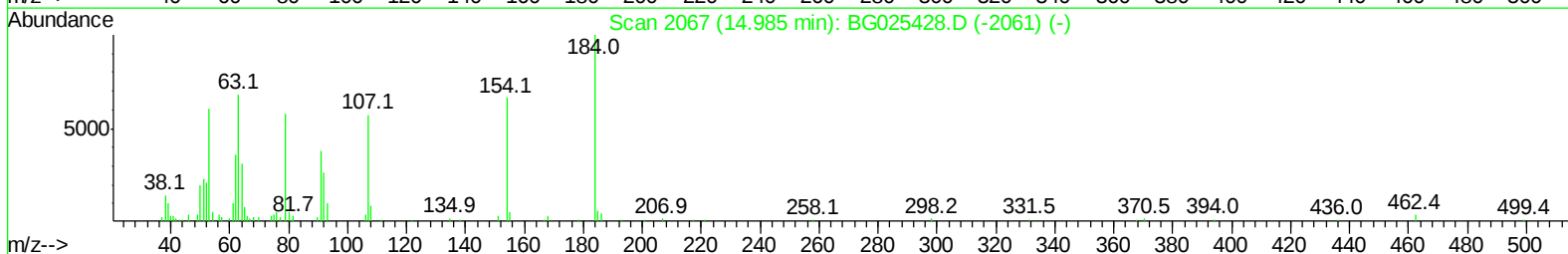
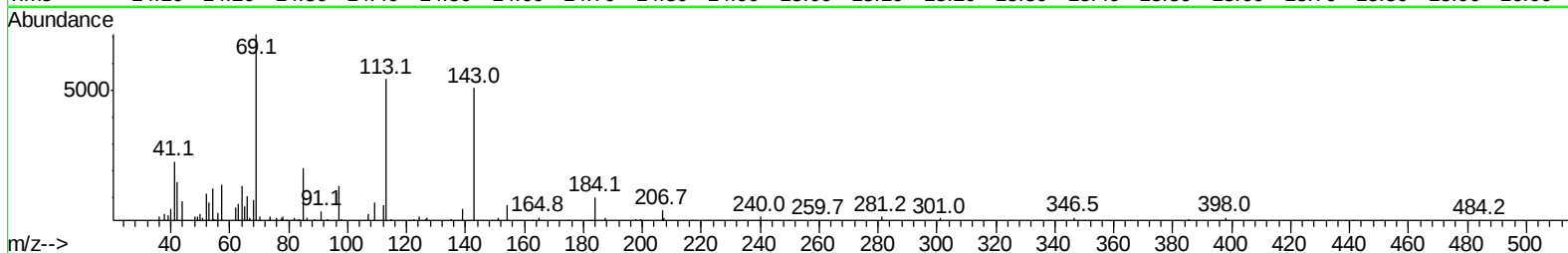
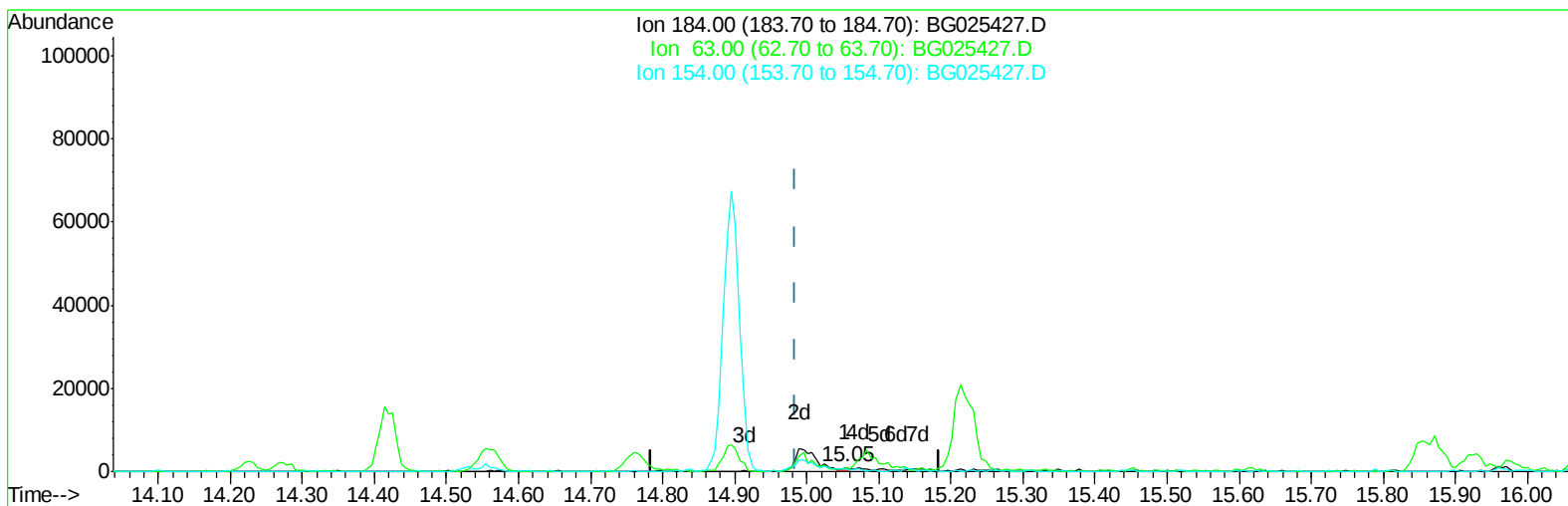
13.368min (-0.002) 9.52ng/ul m

response 46326

Ion	Exp%	Act%
196.00	100	100
198.00	98.30	91.40
200.00	34.10	26.00#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SST01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(50) 2,4-Dinitrophenol

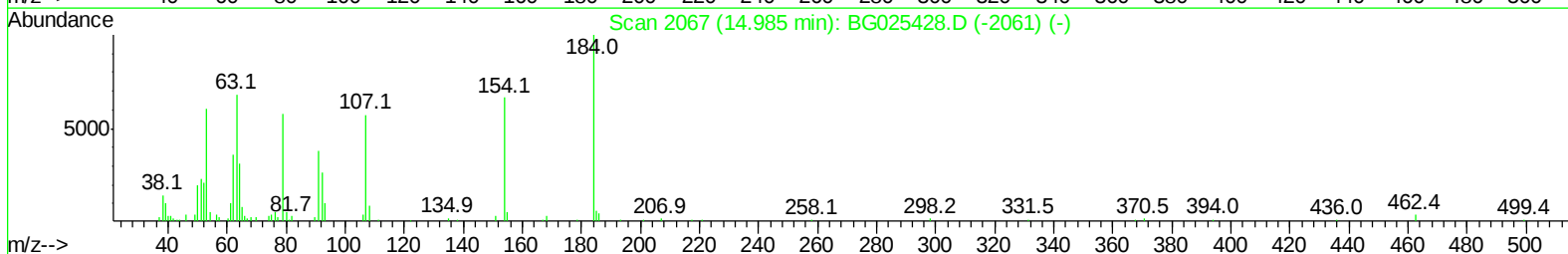
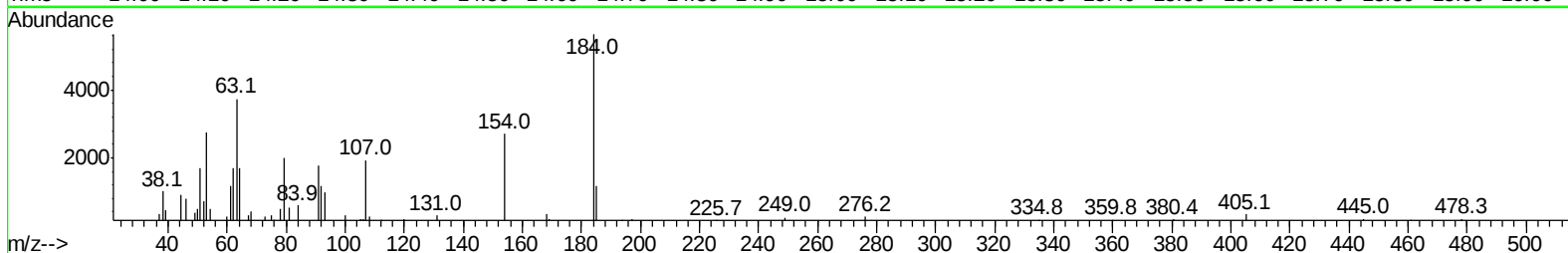
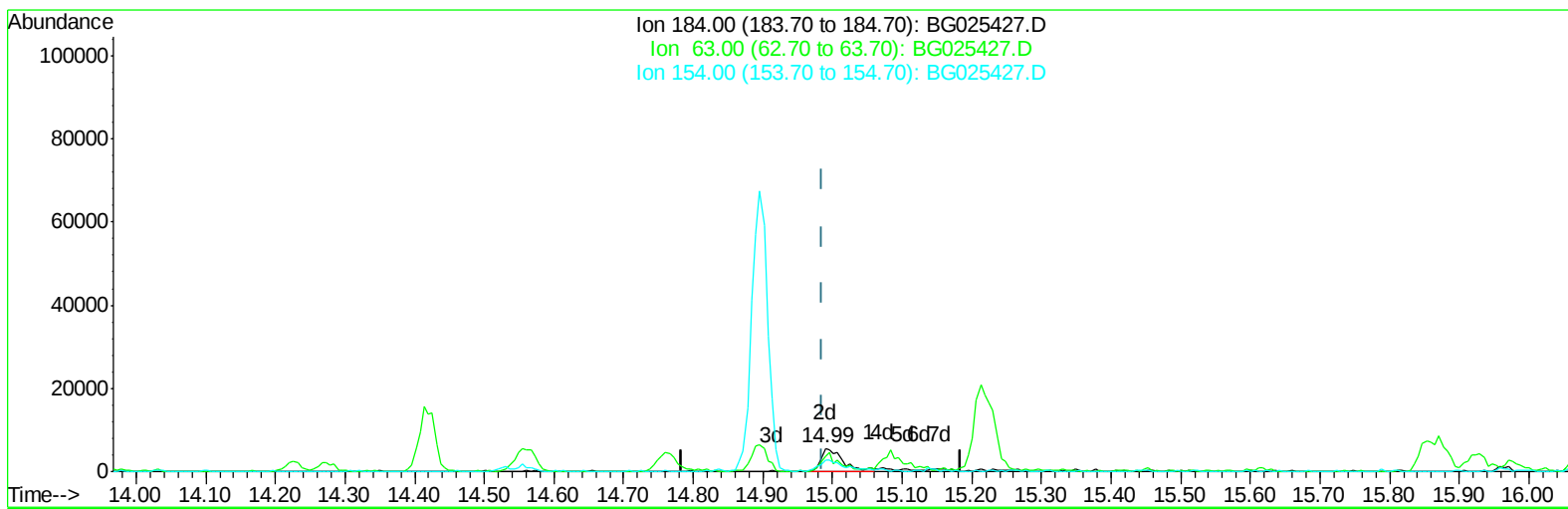
15.054min (+0.069) 0.18ng/ul

response 403

Ion	Exp%	Act%
184.00	100	100
63.00	81.40	75.97
154.00	85.30	69.46
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(50) 2,4-Dinitrophenol

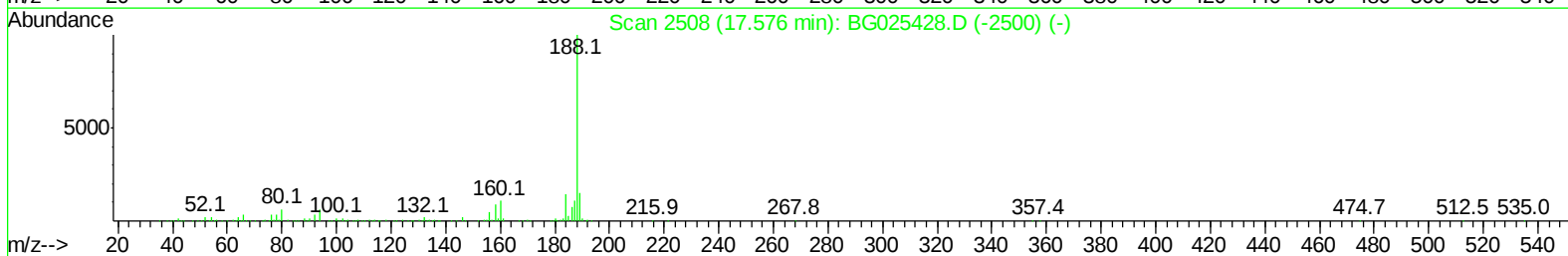
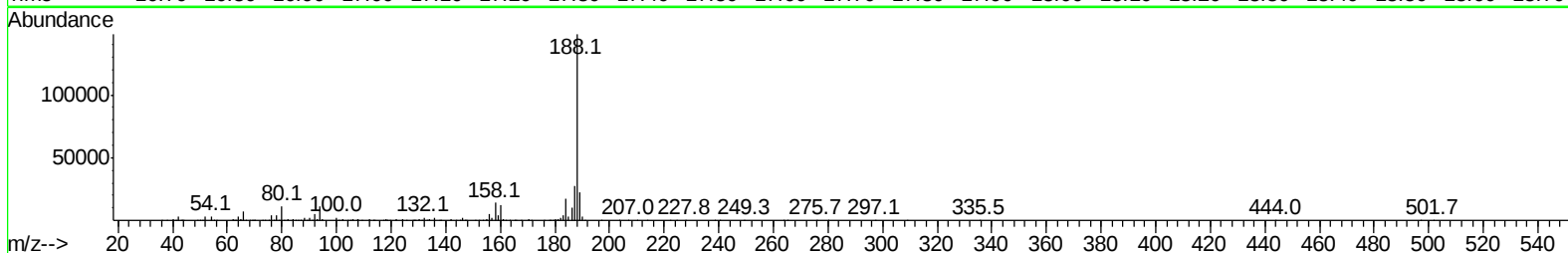
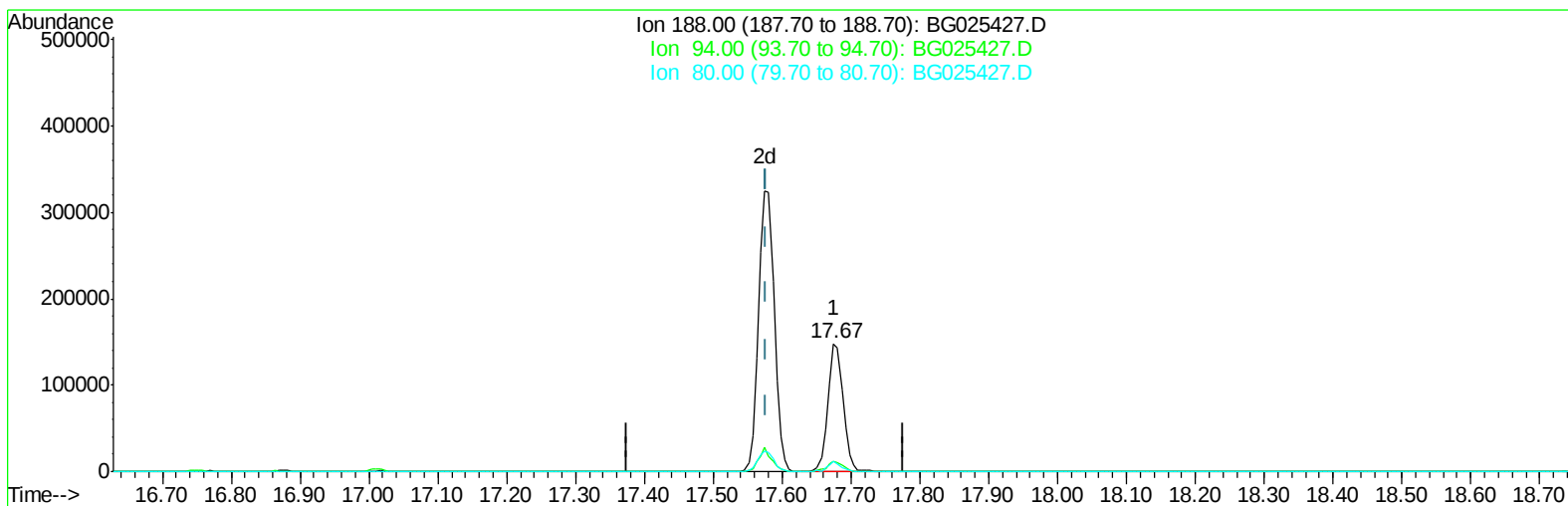
14.989min (+0.004) 5.46ng/ul m

response 12085

Ion	Exp%	Act%
184.00	100	100
63.00	81.40	66.08
154.00	85.30	47.72#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(61) Phenanthrene-d10 (I)

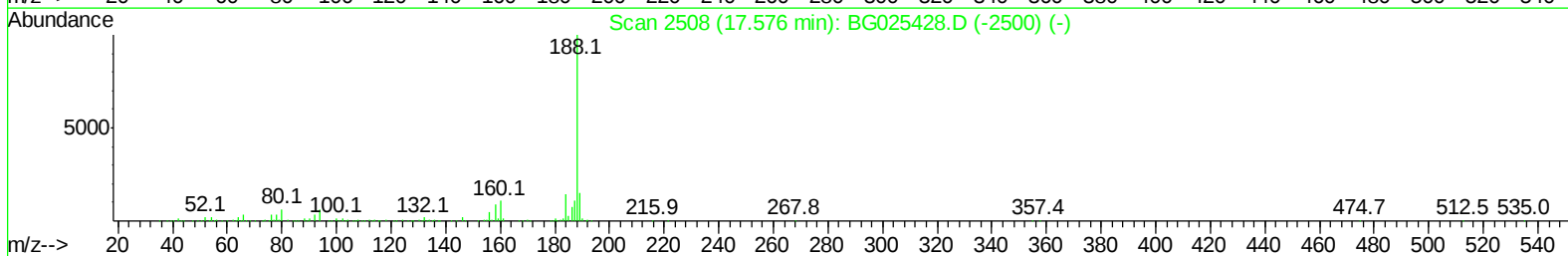
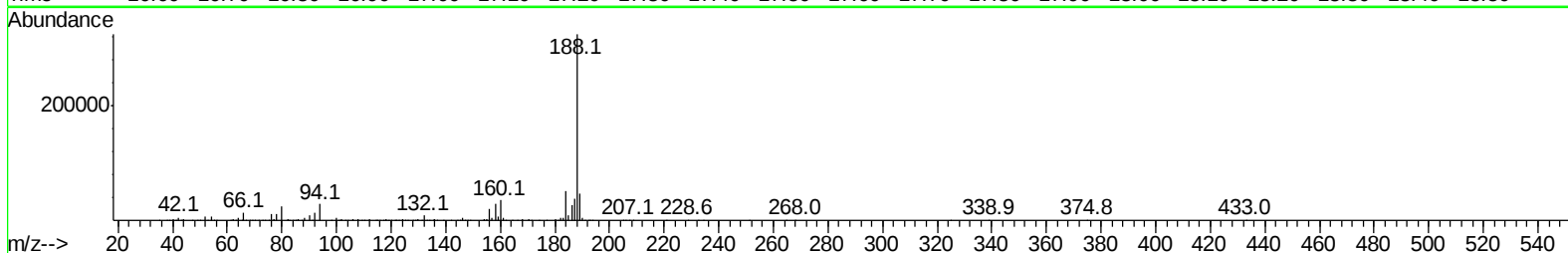
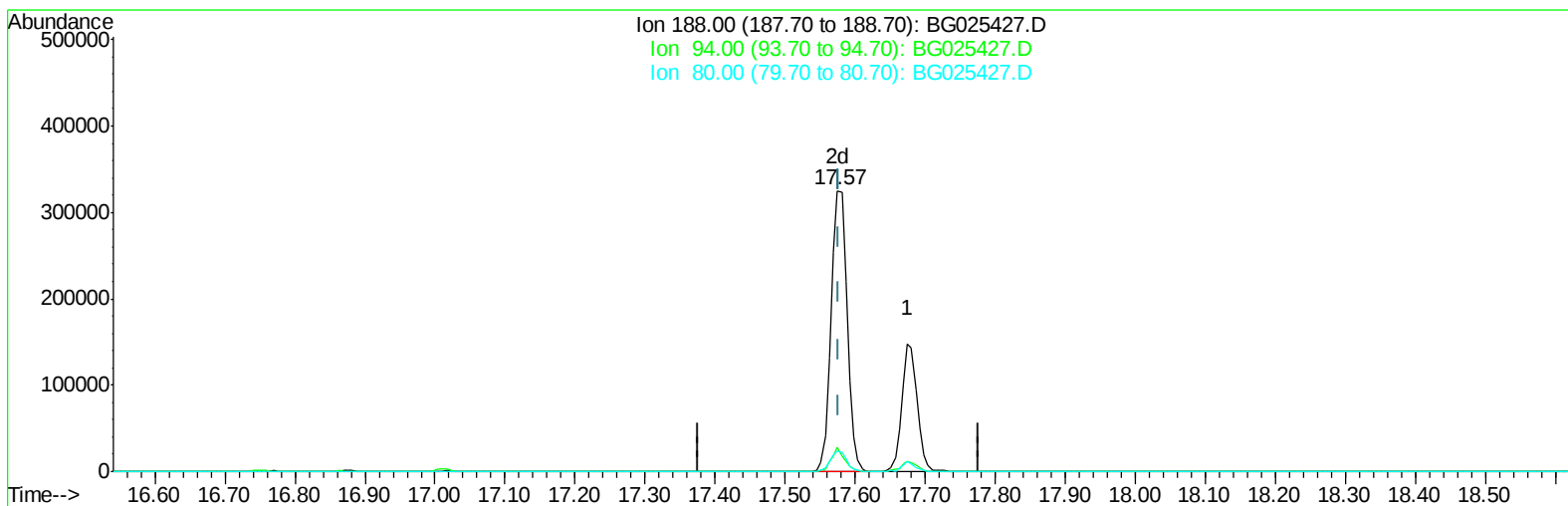
17.675min (+0.098) 20.00ng/ul

response 225474

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	7.59
80.00	9.50	7.85
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(61) Phenanthrene-d10 (I)

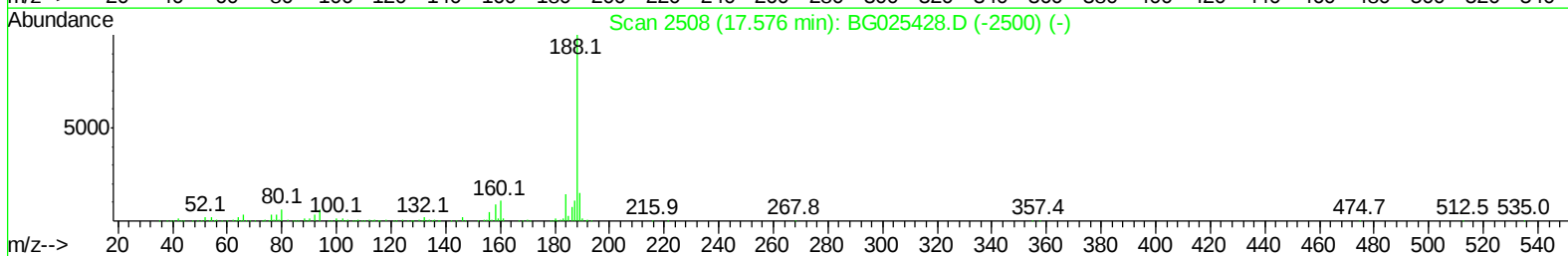
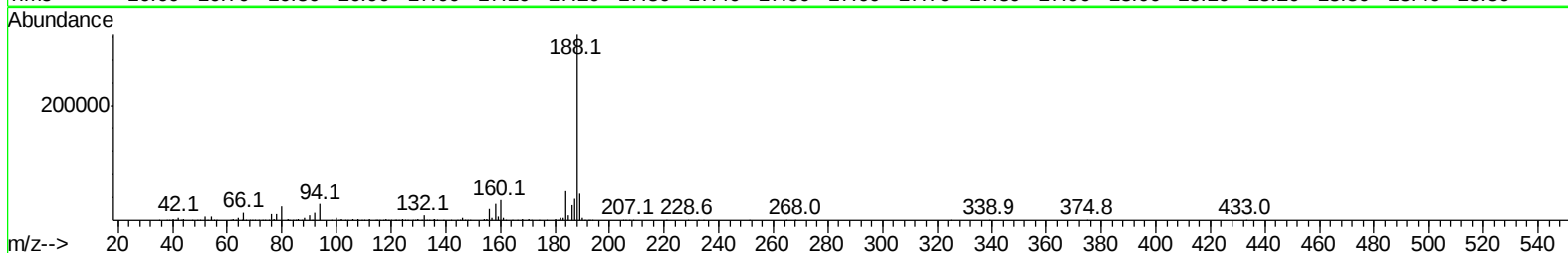
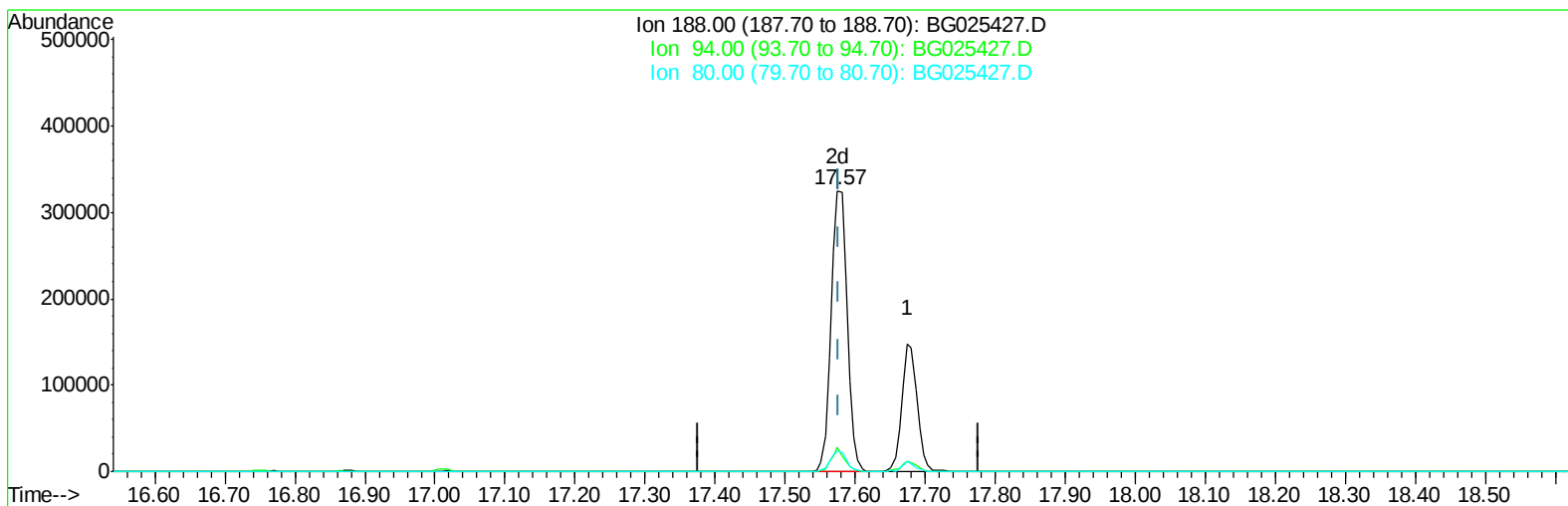
17.575min (-0.002) 20.00ng/ul m

response 518379

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.84
80.00	9.50	7.49#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 13:32:34 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(61) Phenanthrene-d10 (I)

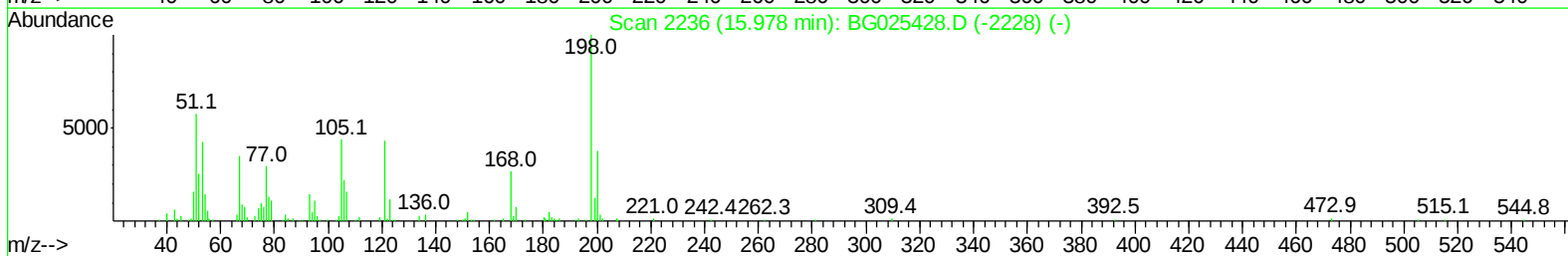
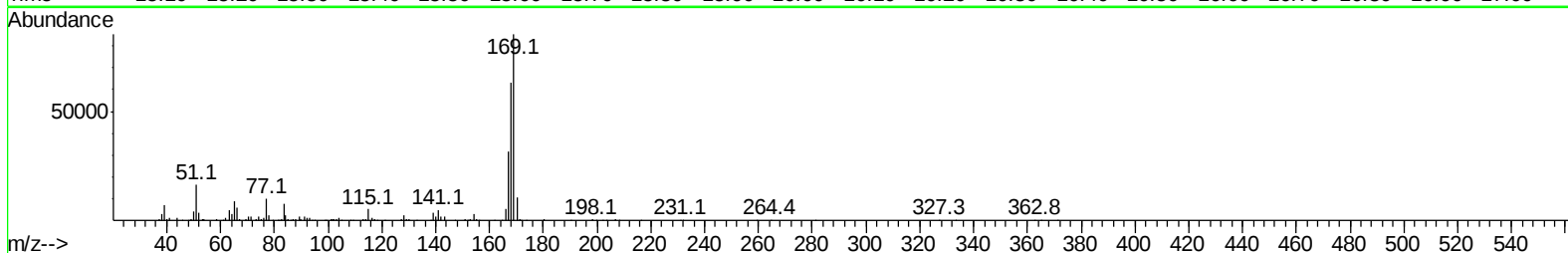
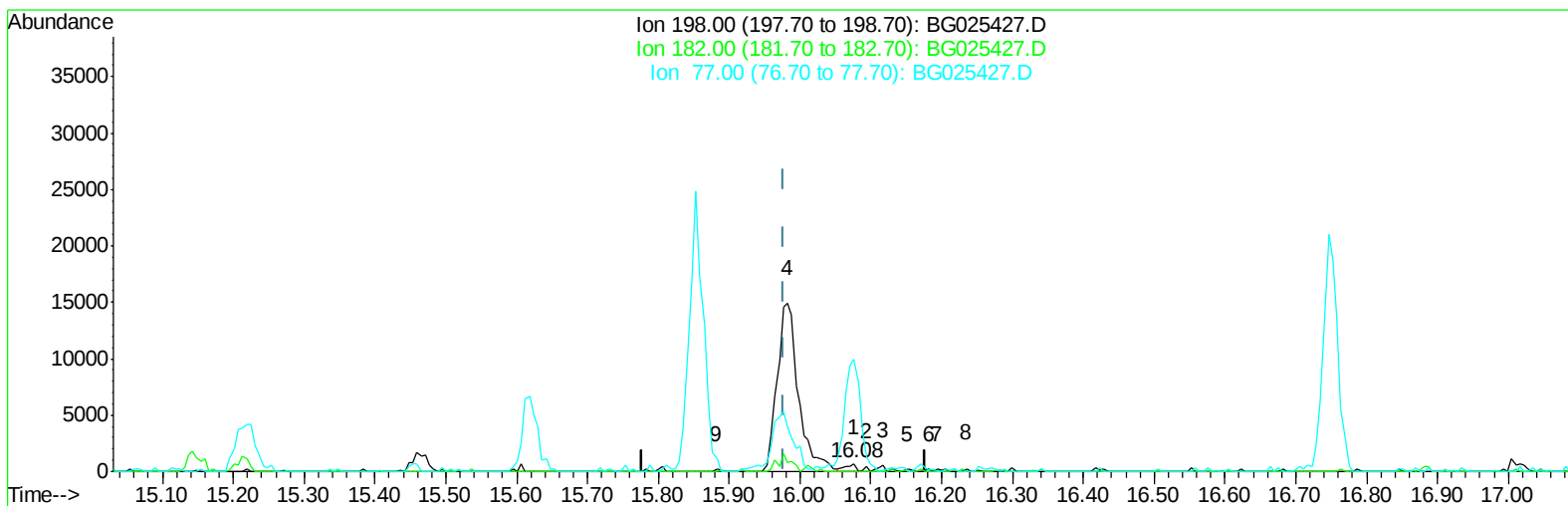
17.575min (-0.002) 20.00ng/ul m

response 518379

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	8.84
80.00	9.50	7.49#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:06:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(63) 4,6-Dinitro-2-methylphenol

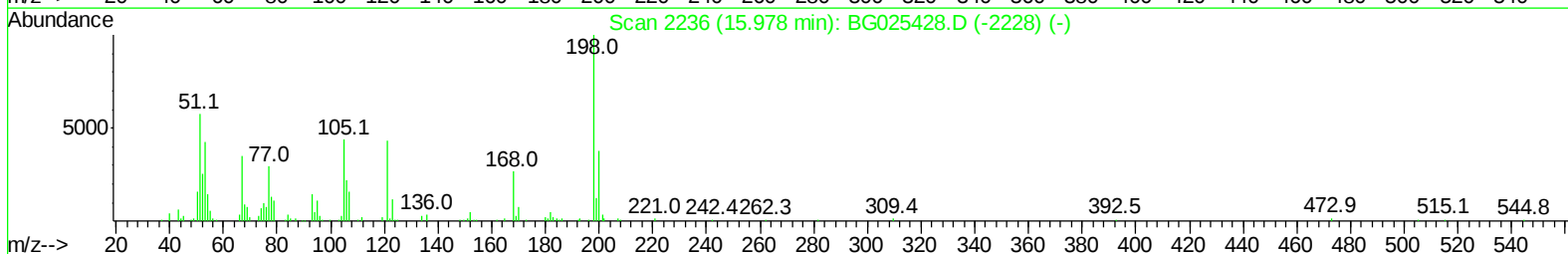
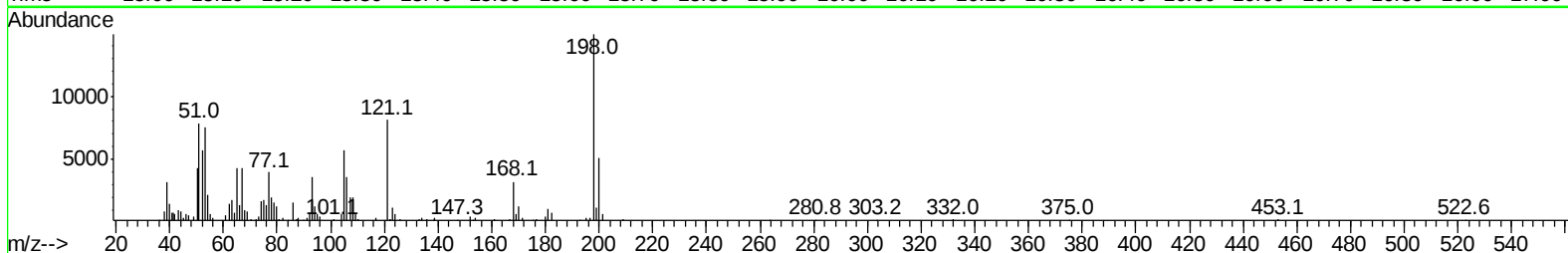
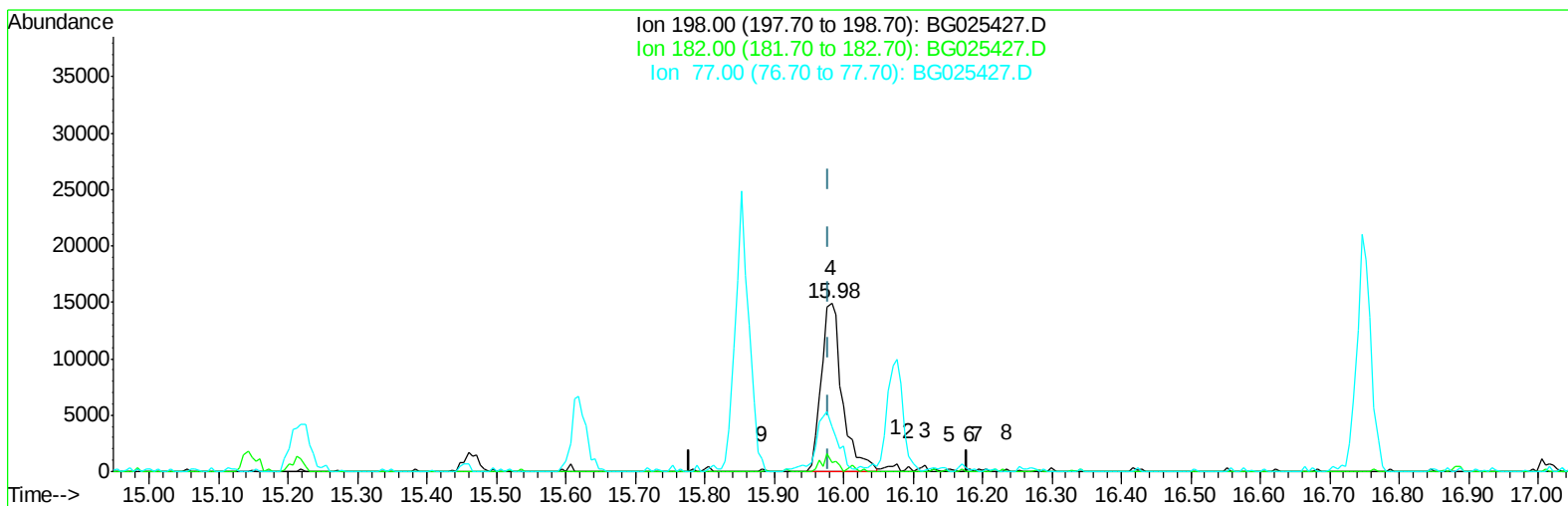
16.076min (+0.098) 0.24ng/ul

response 782

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	0.00#
77.00	28.00	1373.04#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:06:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(63) 4,6-Dinitro-2-methylphenol

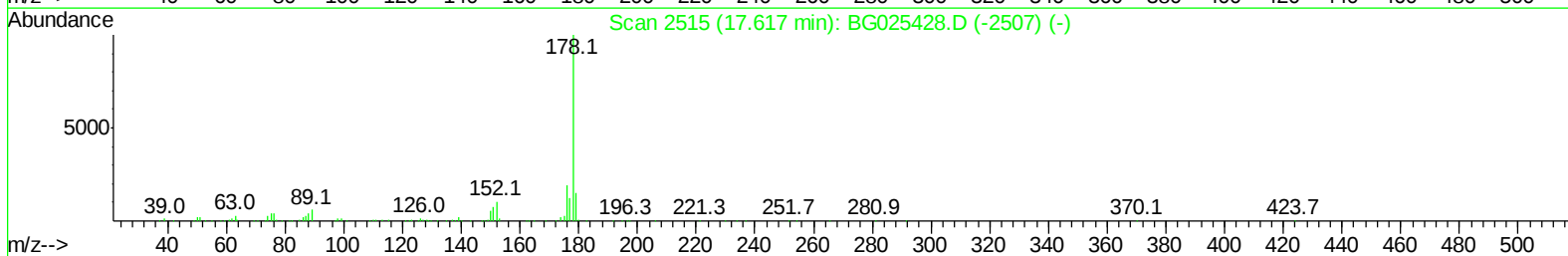
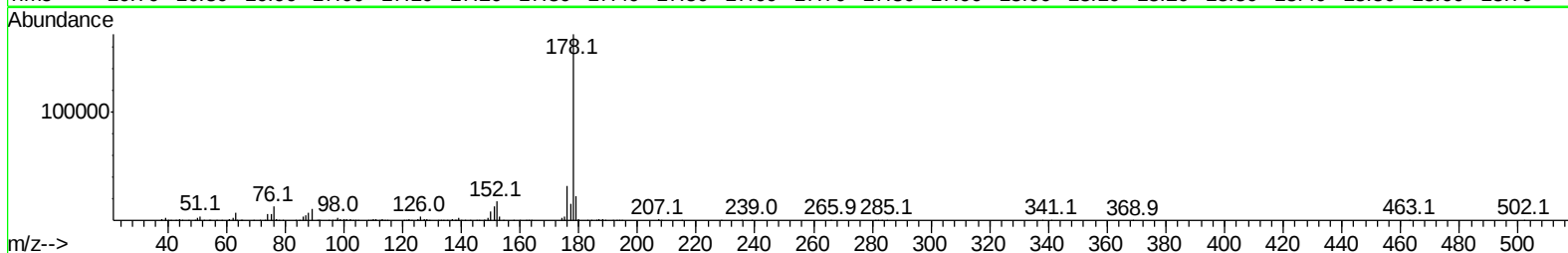
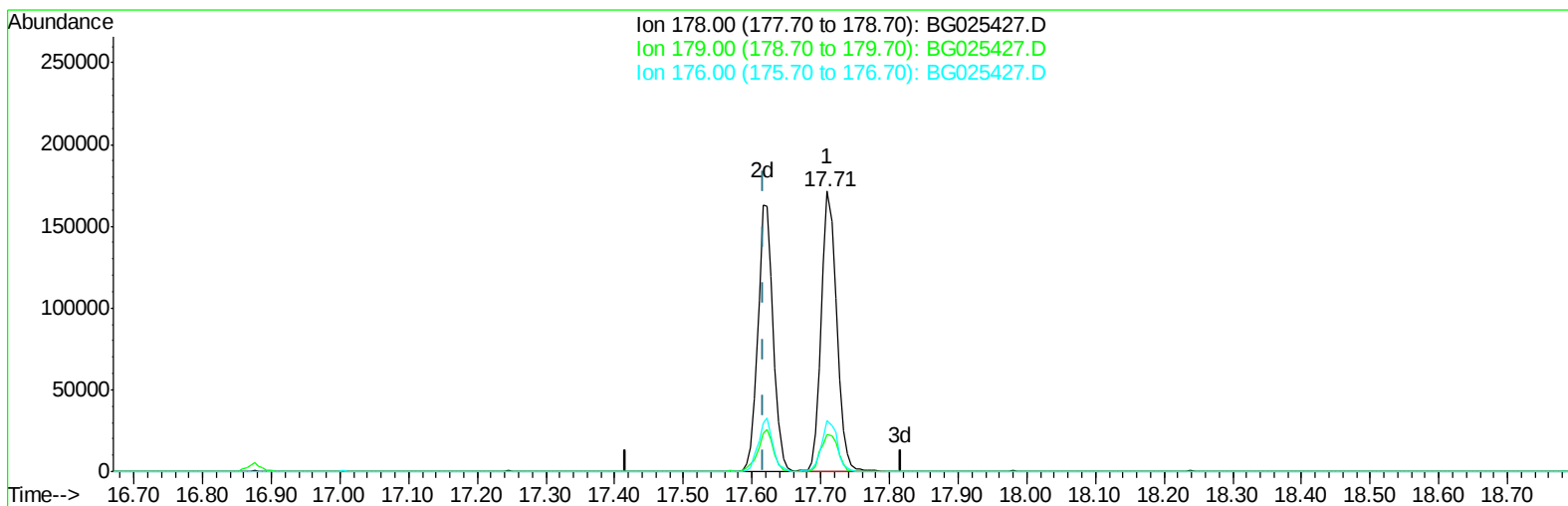
15.982min (+0.004) 9.40ng/ul m

response 31209

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	5.23#
77.00	28.00	26.68
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:06:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(69) Phenanthrene

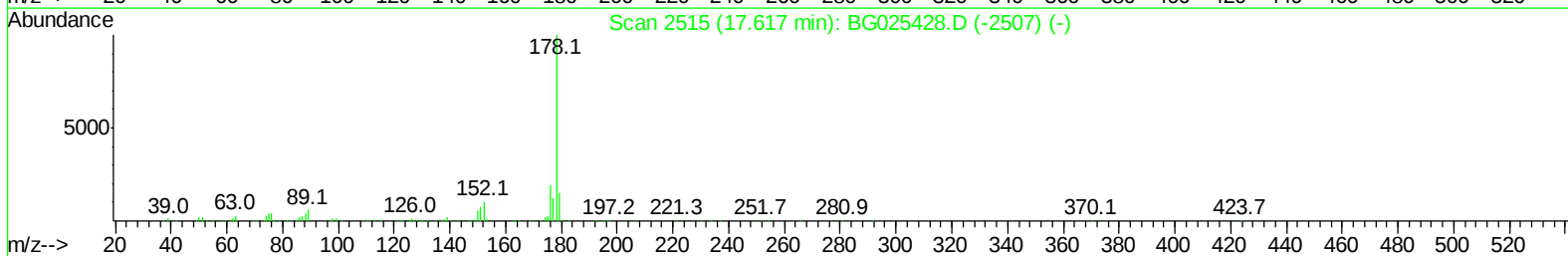
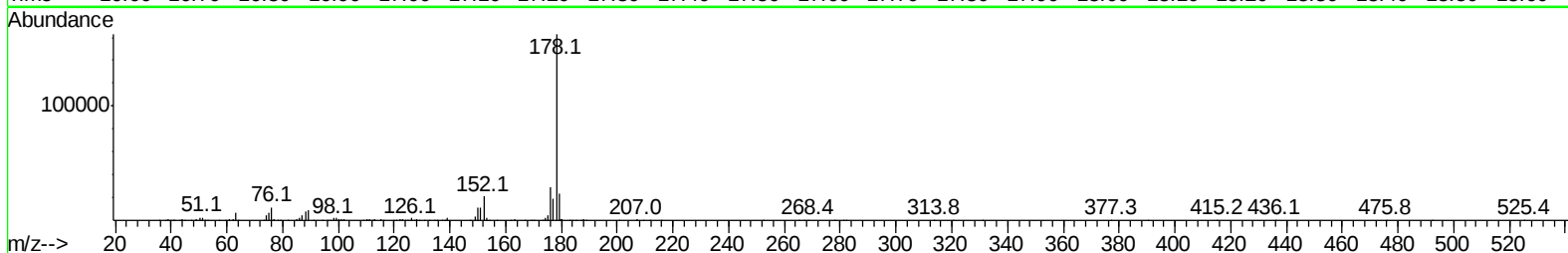
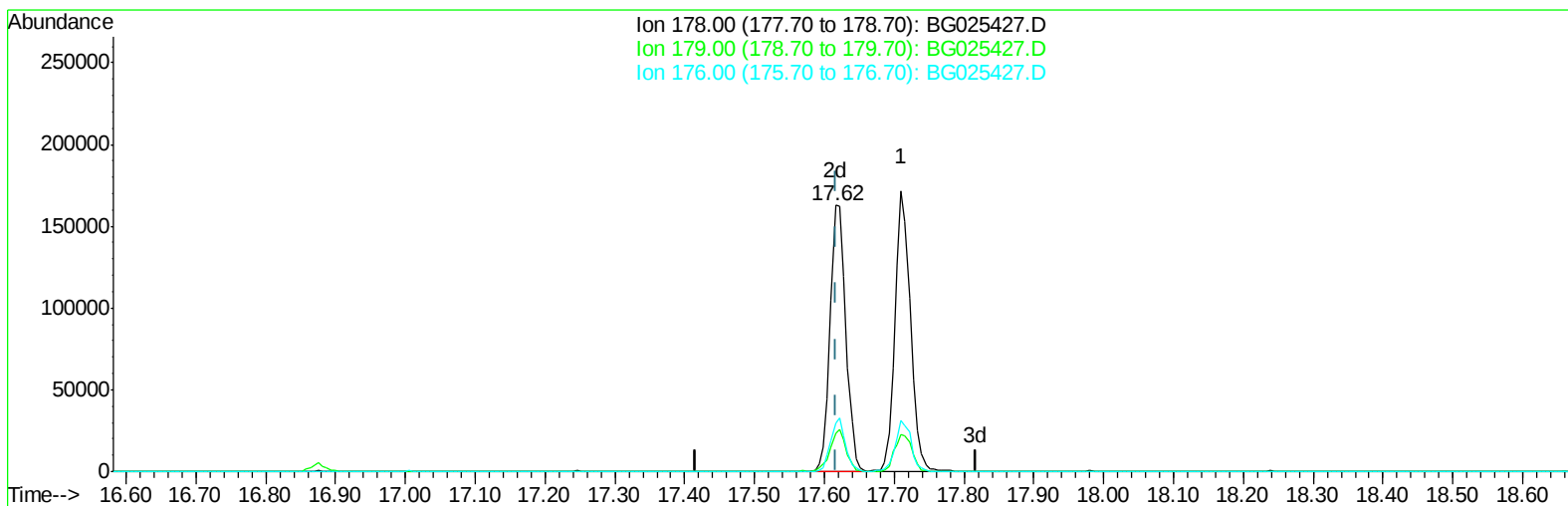
17.710min (+0.092) 10.74ng/ul

response 265621

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	13.29
176.00	20.60	18.40
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:06:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(69) Phenanthrene

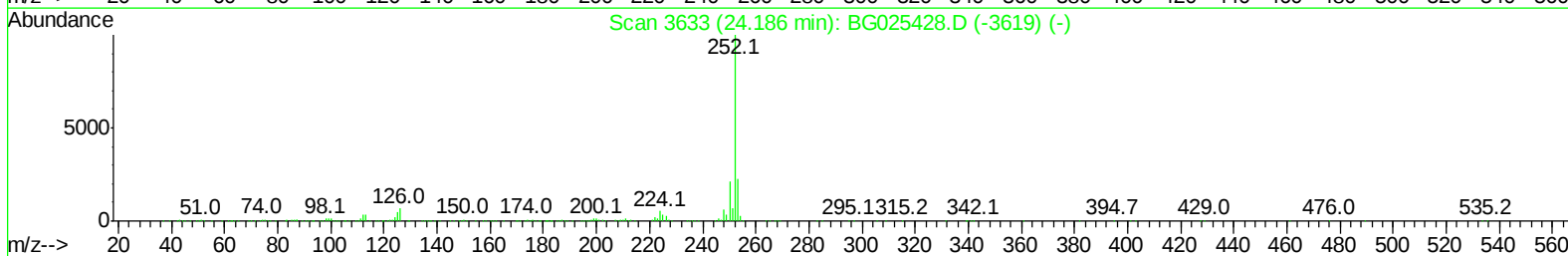
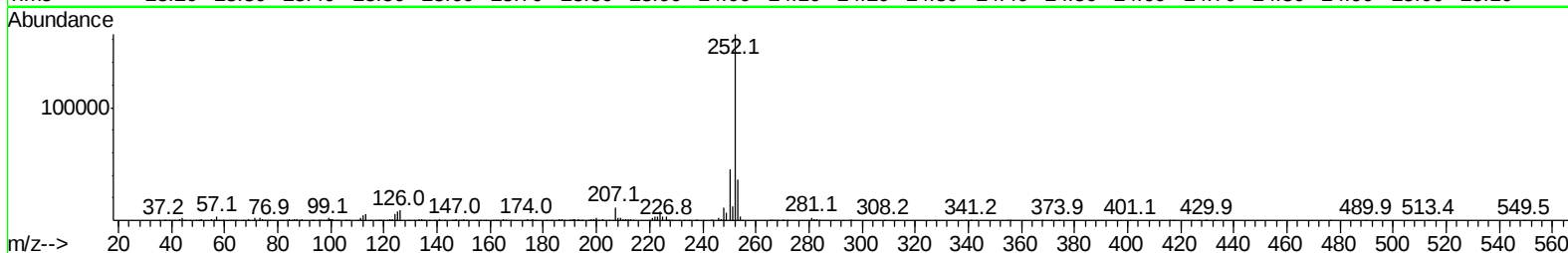
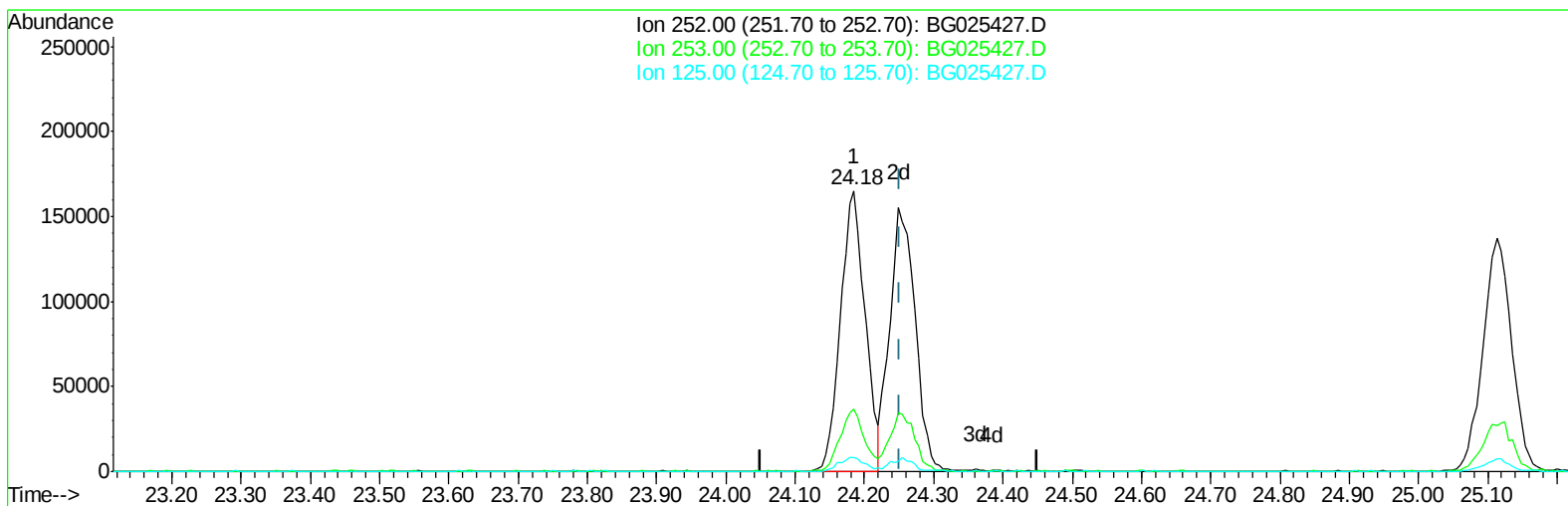
17.616min (-0.002) 10.24ng/ul m

response 253394

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	14.35
176.00	20.60	18.12
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SST01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:06:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(86) Benzo(k)fluoranthene

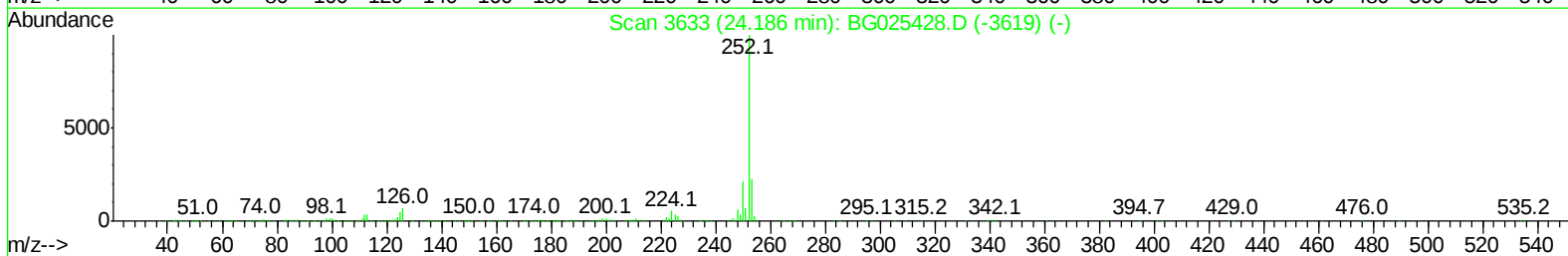
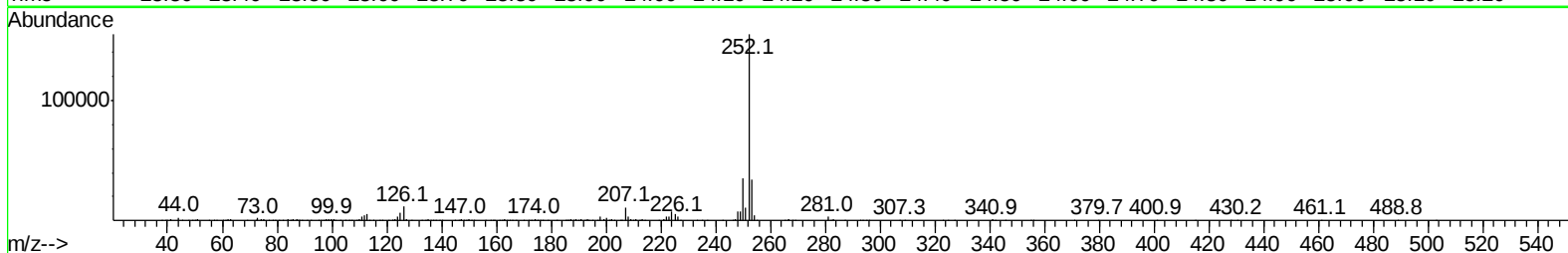
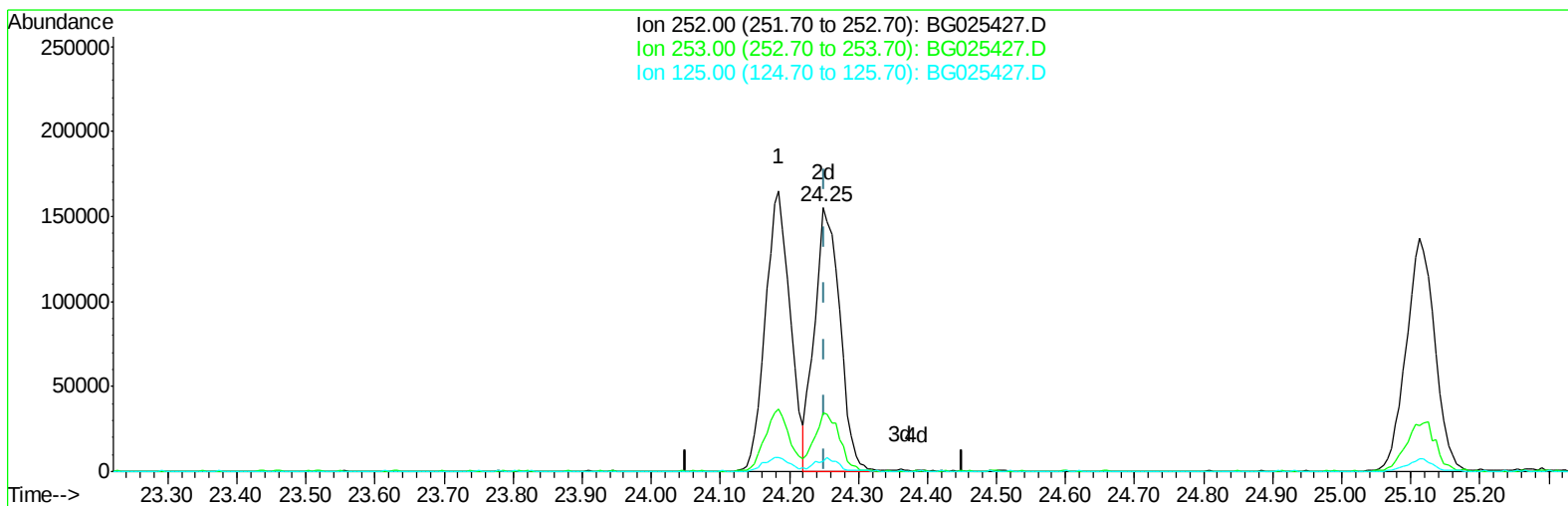
24.185min (-0.066) 10.40ng/ul

response 410032

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	22.15
125.00	5.10	4.80
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025427.D
Acq On : 4 Jan 2017 11:00
Operator : UM/SJ
Sample : SSTD01029
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:06:55 2017
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Jan 04 13:29:07 2017
Response via : Initial Calibration



TIC: BG025427.D

(86) Benzo(k)fluoranthene

24.249min (-0.002) 10.04ng/ul m

response 395740

Ion	Exp%	Act%
252.00	100	100
253.00	23.10	22.11
125.00	5.10	4.01#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
 Data File : BG025427.D
 Acq On : 4 Jan 2017 11:00
 Operator : UM/SJ
 Sample : SSTD01029
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:09:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 04 13:29:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	67796	20.00	ng/ul	0.01
18) Naphthalene-d8	11.04	136	292777	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.83	164	234493	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.57	188	518379m	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	771535	20.00	ng/ul	0.00
83) Perylene-d12	25.27	264	836215	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.56	96	4328	3.30	ng/uL	0.01
5) Phenol-d5	7.37	99	47913	8.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.52	67	31356	8.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.74	132	40871	9.99	ng/ul	0.00
13) 4-Methylphenol-d8	8.92	113	42865	8.77	ng/ul	0.00
19) Nitrobenzene-d5	9.39	128	19635	9.47	ng/ul	0.00
22) 2-Nitrophenol-d4	10.12	143	23412	9.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.67	165	44300	8.91	ng/ul	0.00
29) 4-Chloroaniline-d4	11.18	131	53397	10.93	ng/ul	0.00
43) Dimethylphthalate-d6	14.23	166	159461	9.89	ng/ul	0.00
46) Acenaphthylene-d8	14.53	160	169711	9.61	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	20429	7.37	ng/ul	0.00
57) Fluorene-d10	15.82	176	141539	9.32	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	30344	9.47	ng/ul	0.00
70) Anthracene-d10	17.67	188	225425	10.30	ng/ul	0.00
76) Pyrene-d10	19.95	212	296346	9.33	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	344502	10.17	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.59	88	5640	3.30 ng/uL	95
4) Benzaldehyde	7.35	77	43281	9.83 ng/ul	96
6) Phenol	7.39	94	55115	9.18 ng/ul#	85
8) Bis(2-Chloroethyl)ether	7.62	93	42198	9.61 ng/ul	97
10) 2-Chlorophenol	7.77	128	38752	9.42 ng/ul	91
11) 2-Methylphenol	8.66	108	40397	9.14 ng/ul	88
12) 2,2'-oxybis(1-Chloropropan	8.73	45	79208	10.60 ng/ul	97
14) Acetophenone	9.04	105	67532	9.08 ng/ul	91
15) N-Nitroso-di-n-propylamine	9.01	70	42730	9.95 ng/ul	90
16) 4-Methylphenol	8.99	108	44960	9.14 ng/ul	79
17) Hexachloroethane	9.28	117	17965	9.86 ng/ul	87
20) Nitrobenzene	9.43	77	63929	10.03 ng/ul#	87
21) Isophorone	9.94	82	109387	9.07 ng/ul	98
23) 2-Nitrophenol	10.15	139	23827	9.09 ng/ul	87
24) 2,4-Dimethylphenol	10.20	107	55576	9.27 ng/ul	92
25) Bis(2-Chloroethoxy)methane	10.42	93	56982	9.27 ng/ul#	85
27) 2,4-Dichlorophenol	10.69	162	44744	9.27 ng/ul	92
28) Naphthalene	11.08	128	130644	9.60 ng/ul	97
30) 4-Chloroaniline	11.21	127	52835m	10.58 ng/ul	
31) Hexachlorobutadiene	11.34	225	43726	10.54 ng/ul	92
32) Caprolactam	11.97	113	16746	8.36 ng/ul	94
33) 4-Chloro-3-methylphenol	12.32	107	51476	8.65 ng/ul#	84
34) 2-Methylnaphthalene	12.67	142	98589	9.18 ng/ul	94

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
 Data File : BG025427.D
 Acq On : 4 Jan 2017 11:00
 Operator : UM/SJ
 Sample : SST01029
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jan 04 14:09:17 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG010417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jan 04 13:29:07 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	13.04	216	78403	11.09	ng/ul	91
37) Hexachlorocyclopentadiene	13.00	237	17994	4.34	ng/ul	93
38) 2,4,6-Trichlorophenol	13.29	196	41389	9.32	ng/ul	87
39) 2,4,5-Trichlorophenol	13.37	196	46326m	9.52	ng/ul	
40) 1,1'-Biphenyl	13.67	154	142263	10.01	ng/ul	96
41) 2-Chloronaphthalene	13.72	162	112503	9.94	ng/ul	98
42) 2-Nitroaniline	13.94	65	41674	9.41	ng/ul#	90
44) Dimethylphthalate	14.27	163	153870	9.71	ng/ul#	96
45) 2,6-Dinitrotoluene	14.41	165	31666	9.30	ng/ul#	89
47) Acenaphthylene	14.55	152	168706	9.82	ng/ul#	92
48) 3-Nitroaniline	14.77	138	24908	8.44	ng/ul	94
49) Acenaphthene	14.90	153	116607	9.91	ng/ul	93
50) 2,4-Dinitrophenol	14.99	184	12085m	5.46	ng/ul	
52) 4-Nitrophenol	15.08	109	25921	7.77	ng/ul#	79
53) Dibenzofuran	15.23	168	186103	10.00	ng/ul	94
54) 2,4-Dinitrotoluene	15.22	165	46414	9.04	ng/ul#	88
55) 2,3,4,6-Tetrachlorophenol	15.46	232	43836	8.53	ng/ul#	94
56) Diethylphthalate	15.62	149	158477	9.44	ng/ul	96
58) Fluorene	15.88	166	146593	9.68	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.85	204	81525	9.56	ng/ul	94
60) 4-Nitroaniline	15.92	138	24343	6.84	ng/ul	89
63) 4,6-Dinitro-2-methylphenol	15.98	198	31209m	9.40	ng/ul	
64) N-Nitrosodiphenylamine	16.07	169	133280	9.99	ng/ul	92
65) 4-Bromophenyl-phenylether	16.75	248	60683	10.36	ng/ul	96
66) Hexachlorobenzene	16.88	284	69442	10.53	ng/ul	92
67) Atrazine	17.01	200	63429	10.00	ng/ul	92
68) Pentachlorophenol	17.24	266	25055	6.33	ng/ul	92
69) Phenanthrene	17.62	178	253394m	10.24	ng/ul	
71) Anthracene	17.71	178	265621	10.44	ng/ul	96
72) Carbazole	17.99	167	221581	10.44	ng/ul	98
73) Di-n-butylphthalate	18.50	149	276857	10.33	ng/ul	100
74) Fluoranthene	19.62	202	343061	11.67	ng/ul	97
77) Pyrene	19.98	202	351707	9.48	ng/ul#	97
78) Butylbenzylphthalate	20.83	149	142332	9.80	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.76	252	155424	11.56	ng/ul	93
80) Benzo(a)anthracene	21.85	228	402741	10.05	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.69	149	208718	10.44	ng/ul	96
82) Chrysene	21.92	228	390211	10.41	ng/ul	97
84) Di-n-octyl phthalate	22.94	149	352201	10.37	ng/ul	100
85) Benzo(b)fluoranthene	24.18	252	410032	9.89	ng/ul	100
86) Benzo(k)fluoranthene	24.25	252	395740m	10.04	ng/ul	
88) Benzo(a)pyrene	25.11	252	395594	9.92	ng/ul	96
89) Indeno(1,2,3-cd)pyrene	29.20	276	486982	9.83	ng/ul	99
90) Dibenzo(a,h)anthracene	29.24	278	420378	10.07	ng/ul#	94
91) Benzo(g,h,i)perylene	30.44	276	414396	10.02	ng/ul#	94

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

