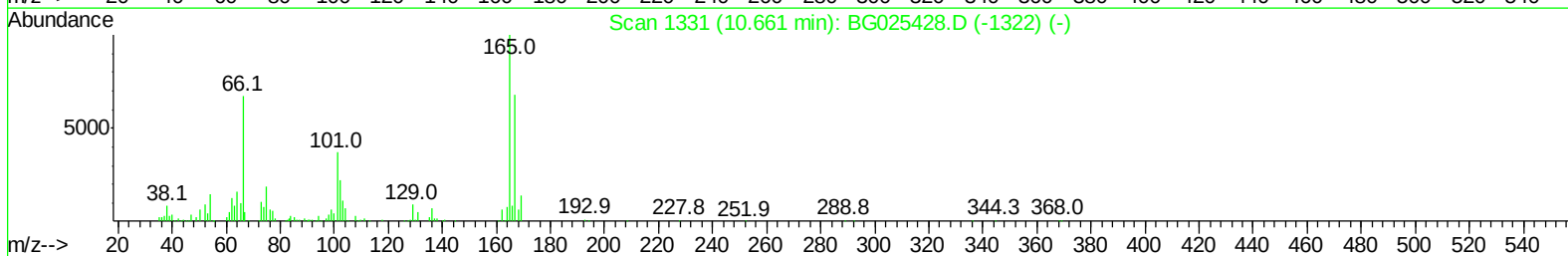
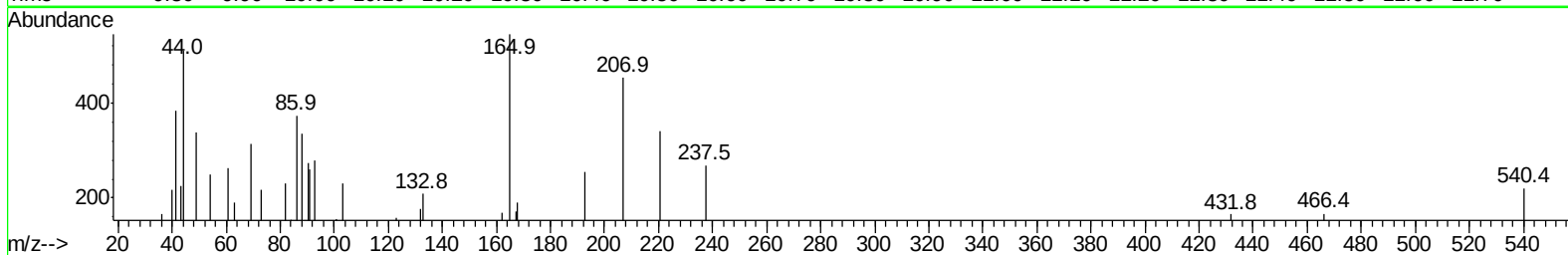
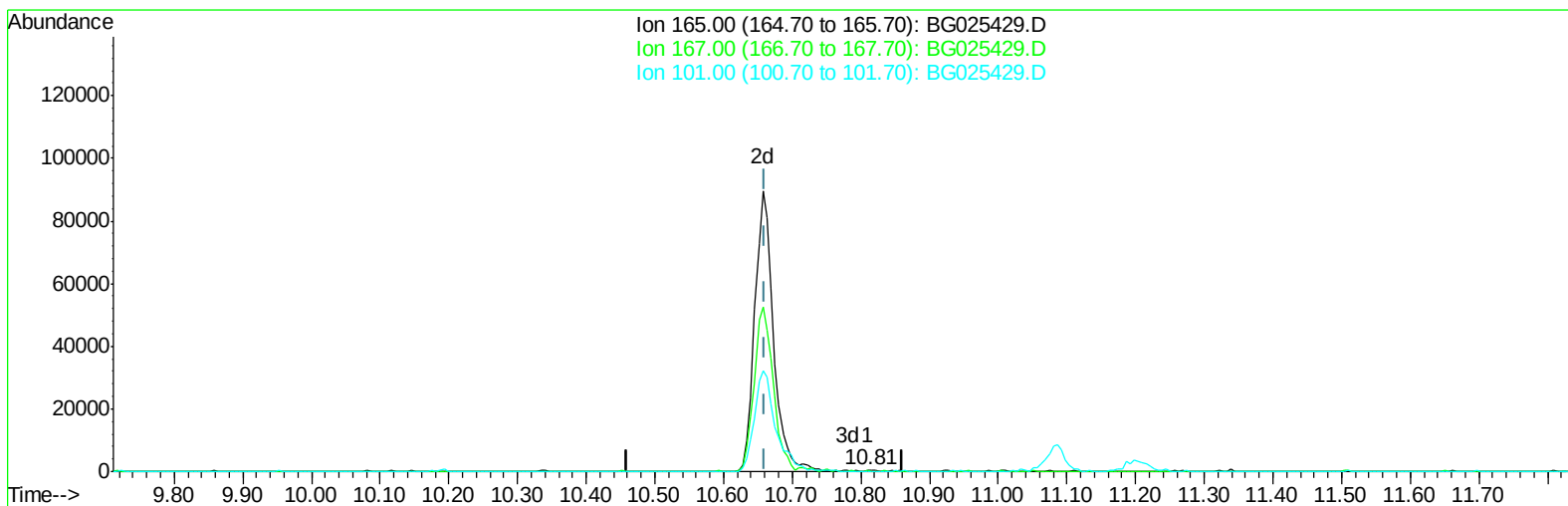


Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:33:01 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: BG025429.D

(26) 2,4-Dichlorophenol-d3 (S)

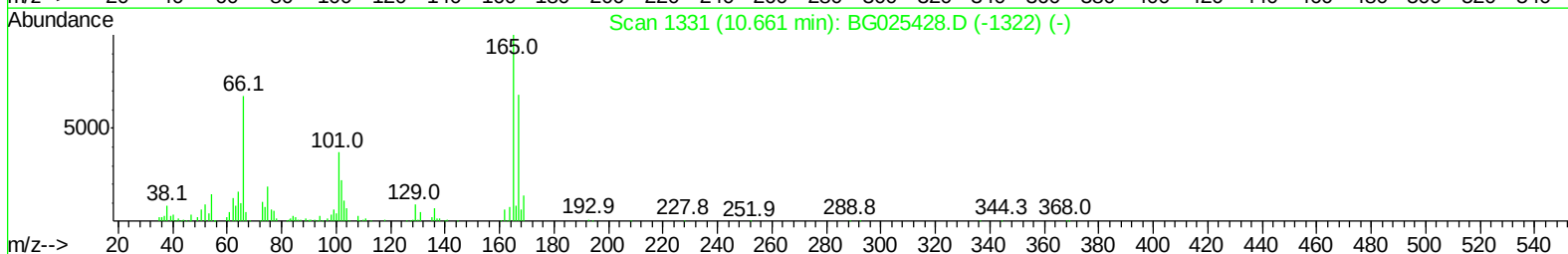
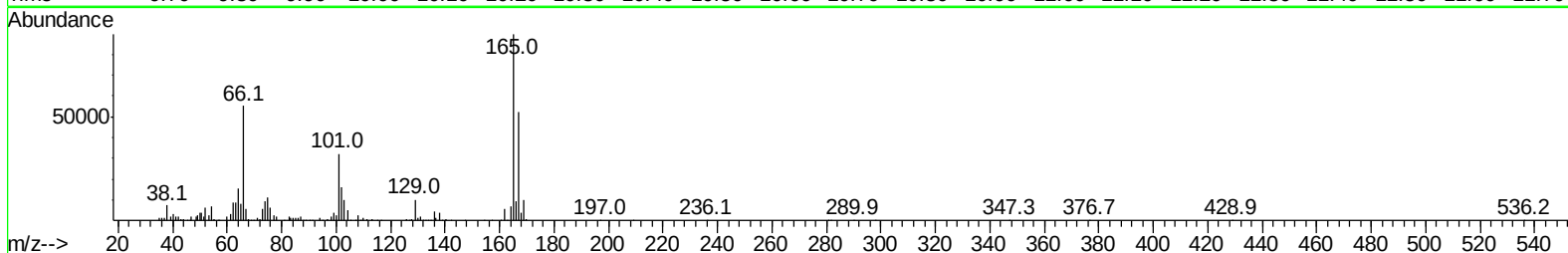
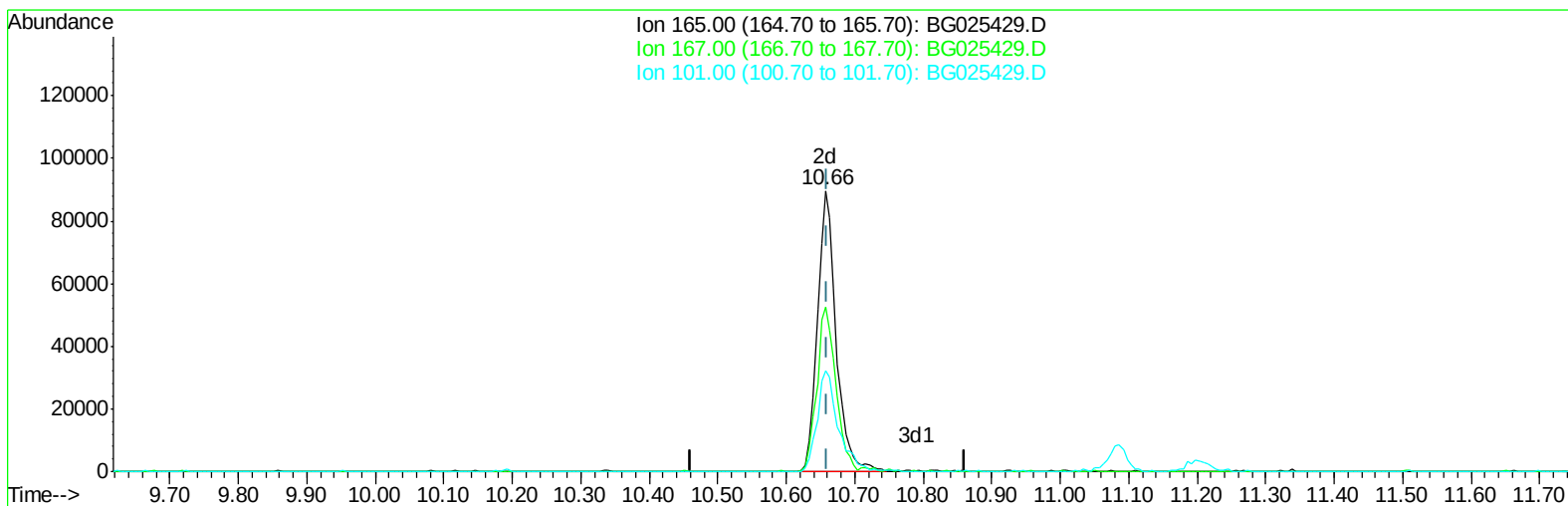
10.810min (+0.149) 0.10ng/ul

response 446

Ion	Exp%	Act%
165.00	100	100
167.00	58.70	66.54
101.00	29.80	28.86
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:33:01 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: BG025429.D

(26) 2,4-Dichlorophenol-d3 (S)

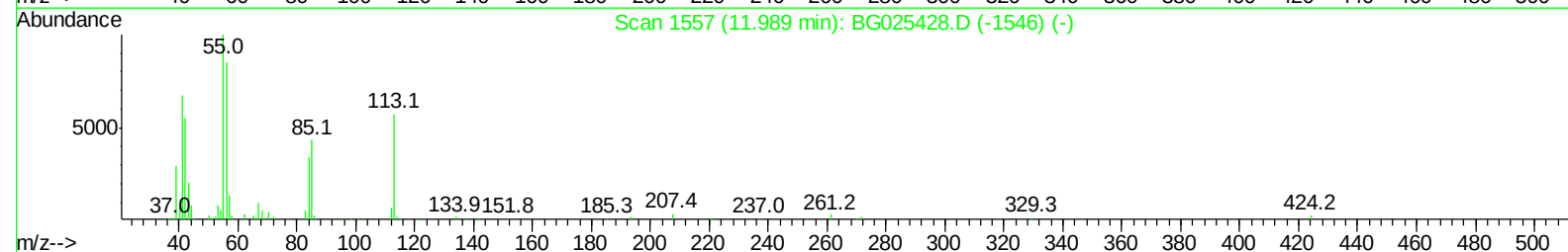
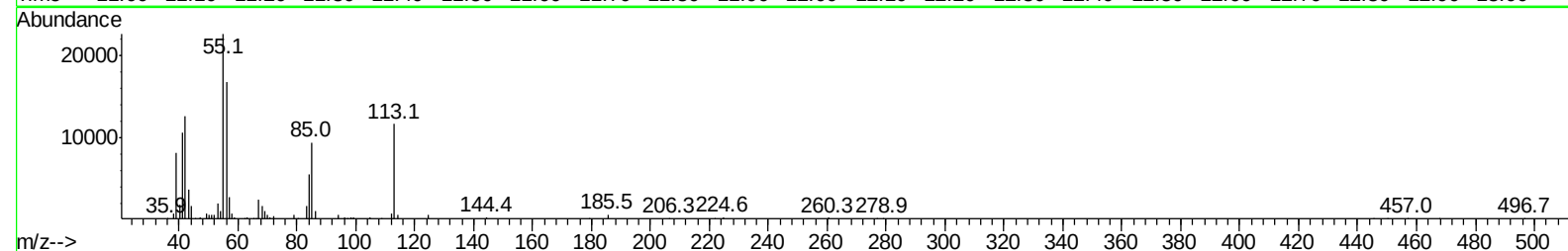
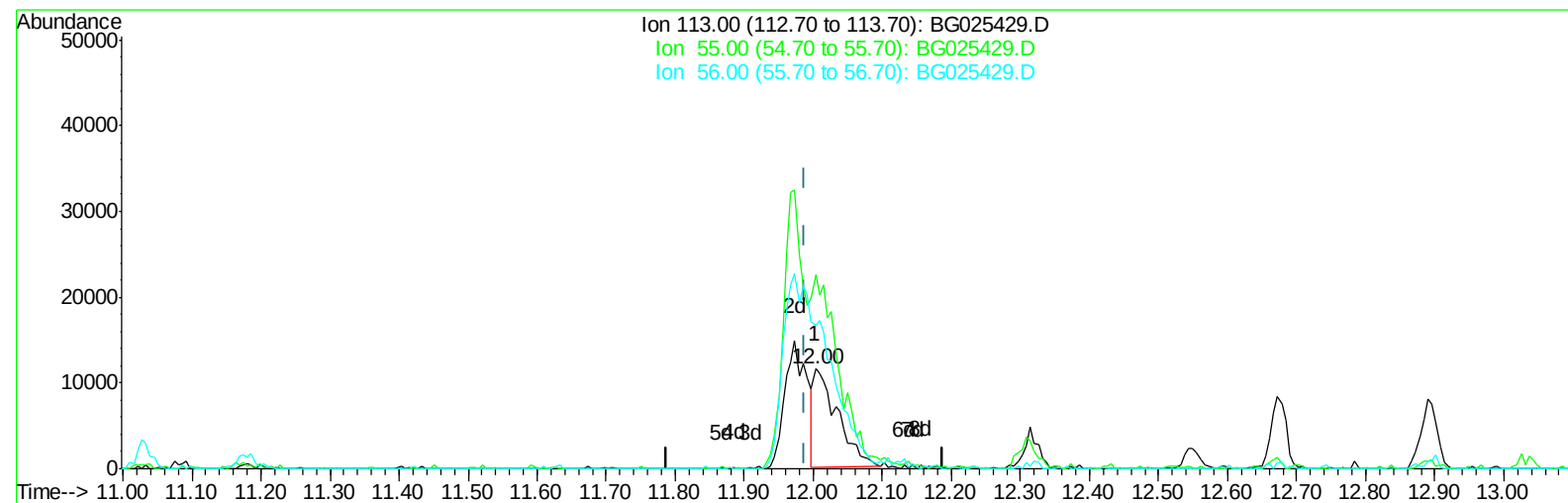
10.657min (-0.004) 39.94ng/ul m

response 169731

Ion	Exp%	Act%
165.00	100	100
167.00	58.70	58.43
101.00	29.80	35.84#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:33:01 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: BG025429.D

(32) Caprolactam

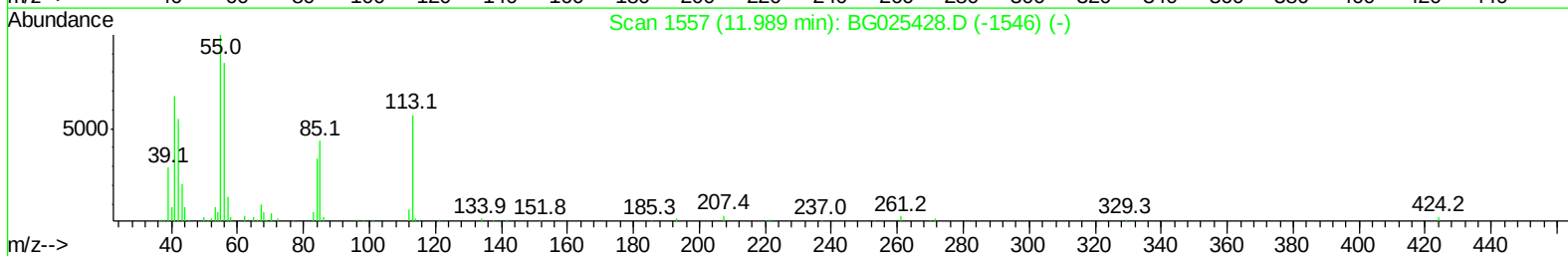
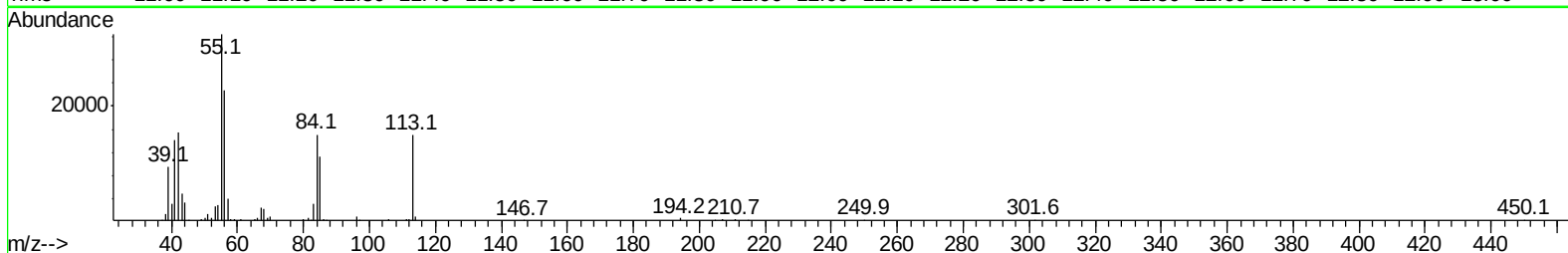
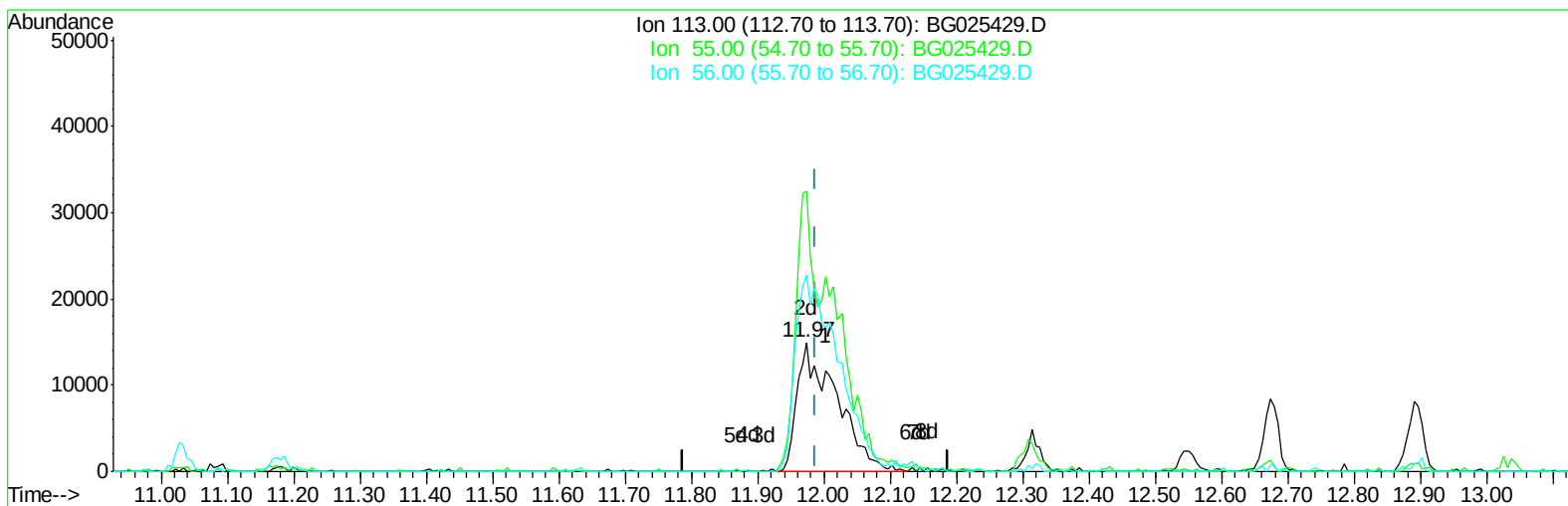
12.003min (+0.014) 15.95ng/ul

response 27333

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	194.18
56.00	160.60	144.12
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:33:01 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: BG025429.D

(32) Caprolactam

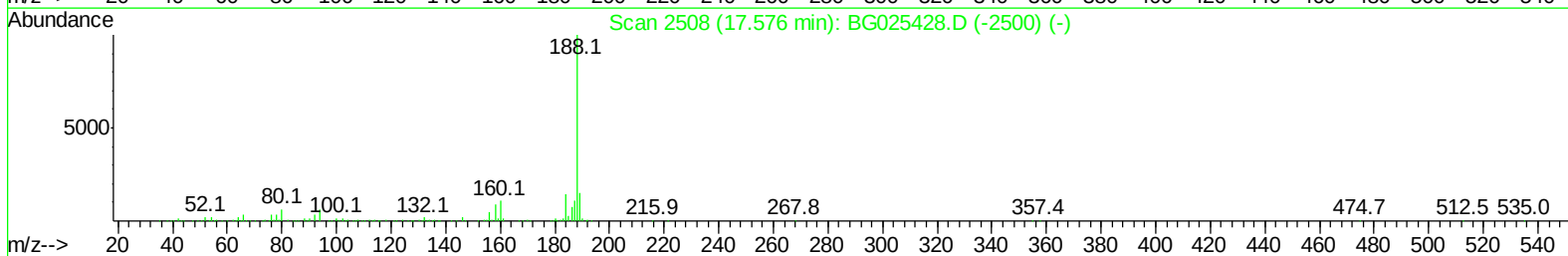
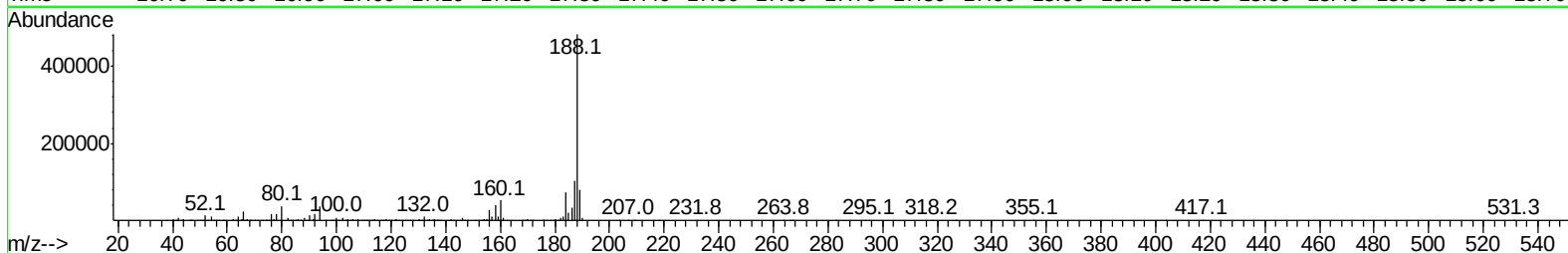
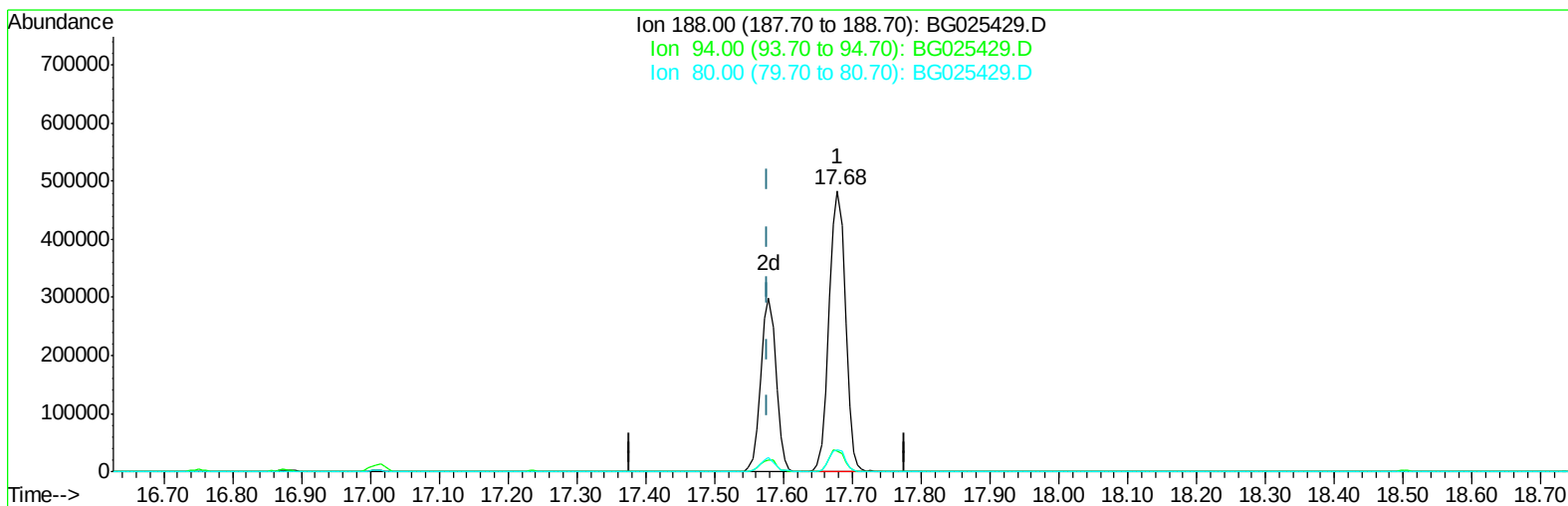
11.973min (-0.015) 36.41ng/ul m

response 62382

Ion	Exp%	Act%
113.00	100	100
55.00	210.70	217.07
56.00	160.60	152.26
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:33:01 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: BG025429.D

(61) Phenanthrene-d10 (I)

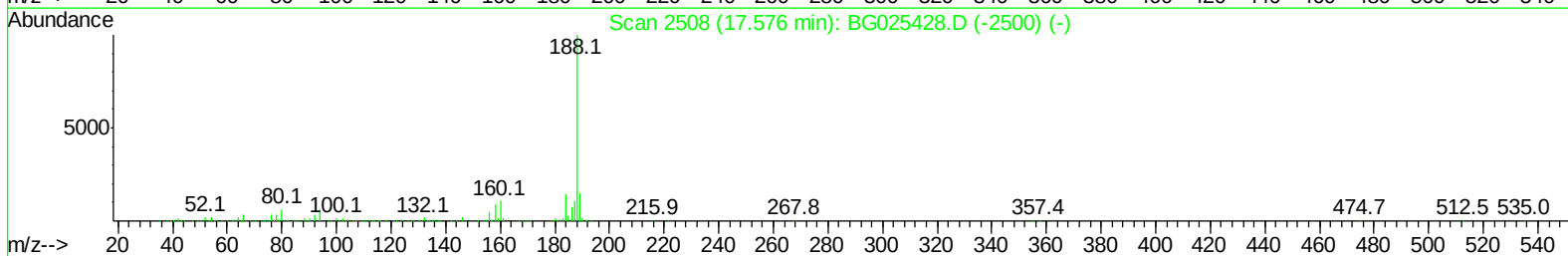
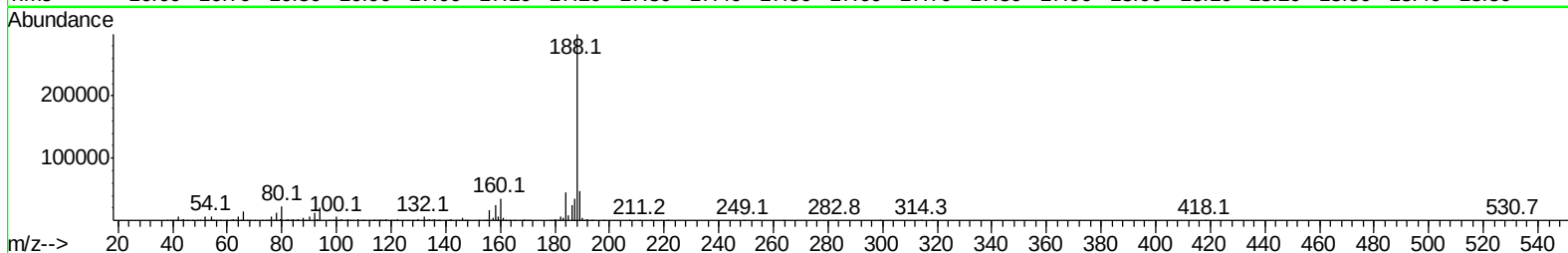
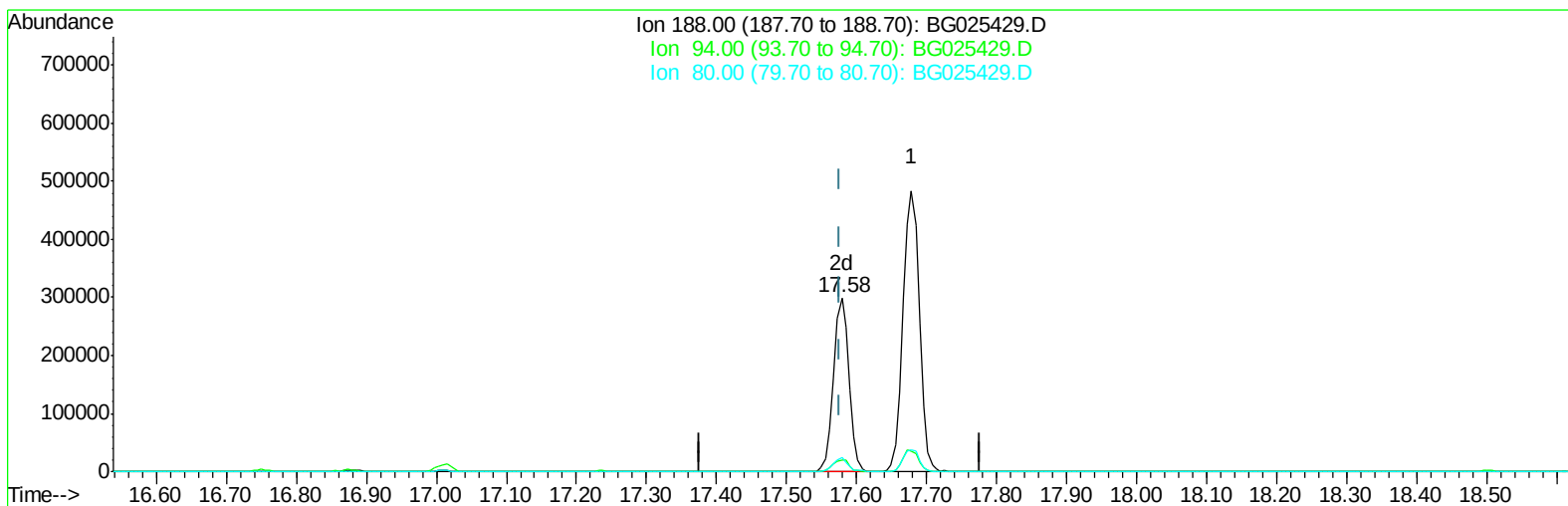
17.679min (+0.102) 20.00ng/ul

response 792048

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	7.51
80.00	9.50	7.88
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:33:01 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: BG025429.D

(61) Phenanthrene-d10 (I)

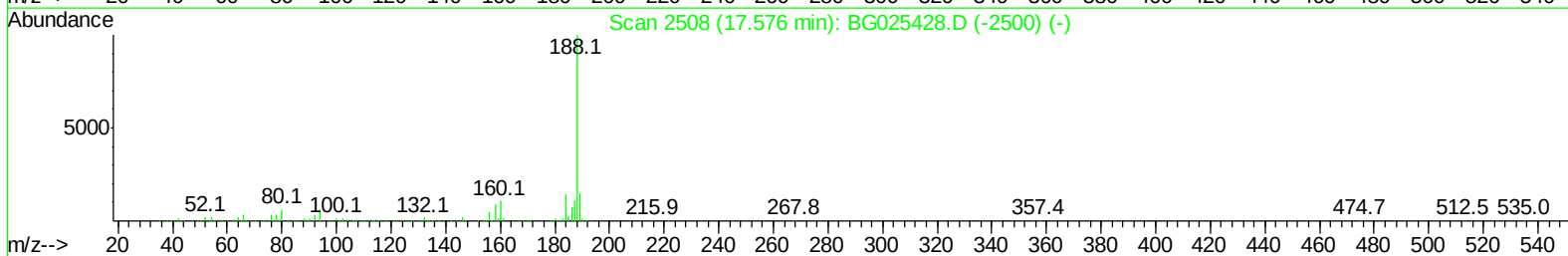
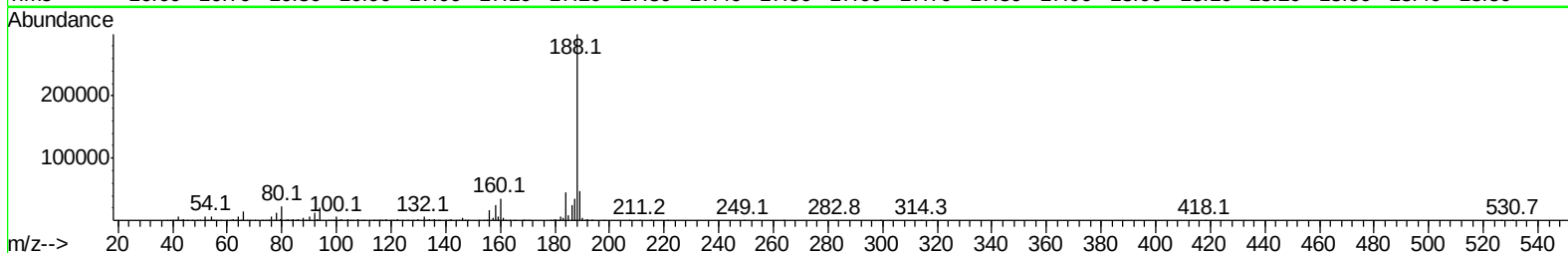
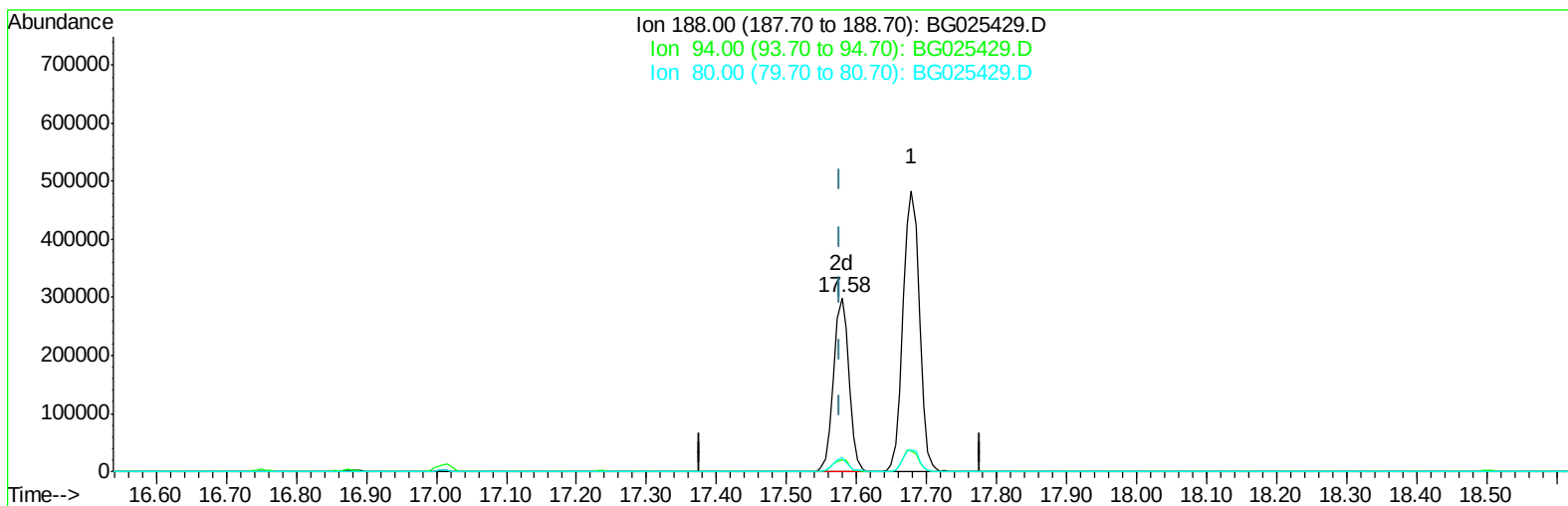
17.579min (+0.002) 20.00ng/ul m

response 457084

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.96#
80.00	9.50	7.81
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:43:41 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: BG025429.D

(61) Phenanthrene-d10 (I)

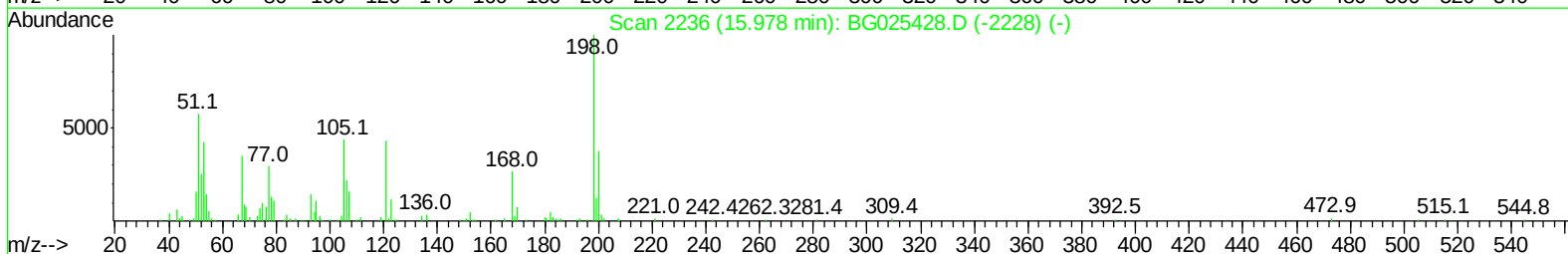
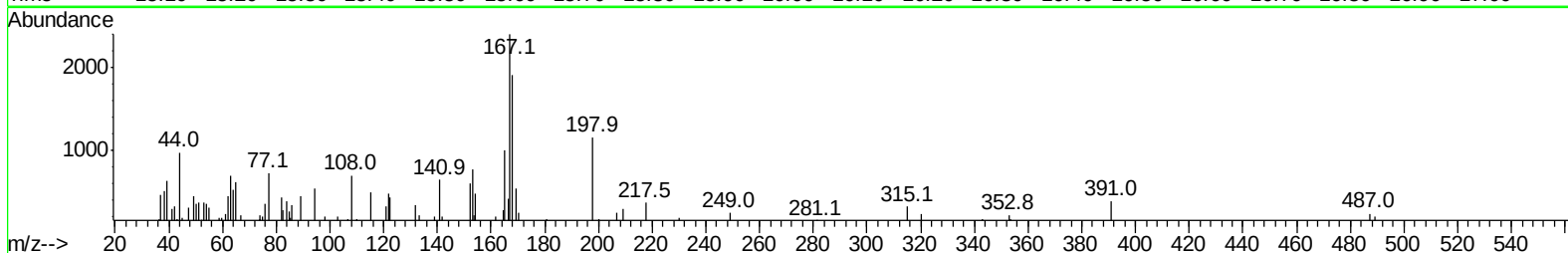
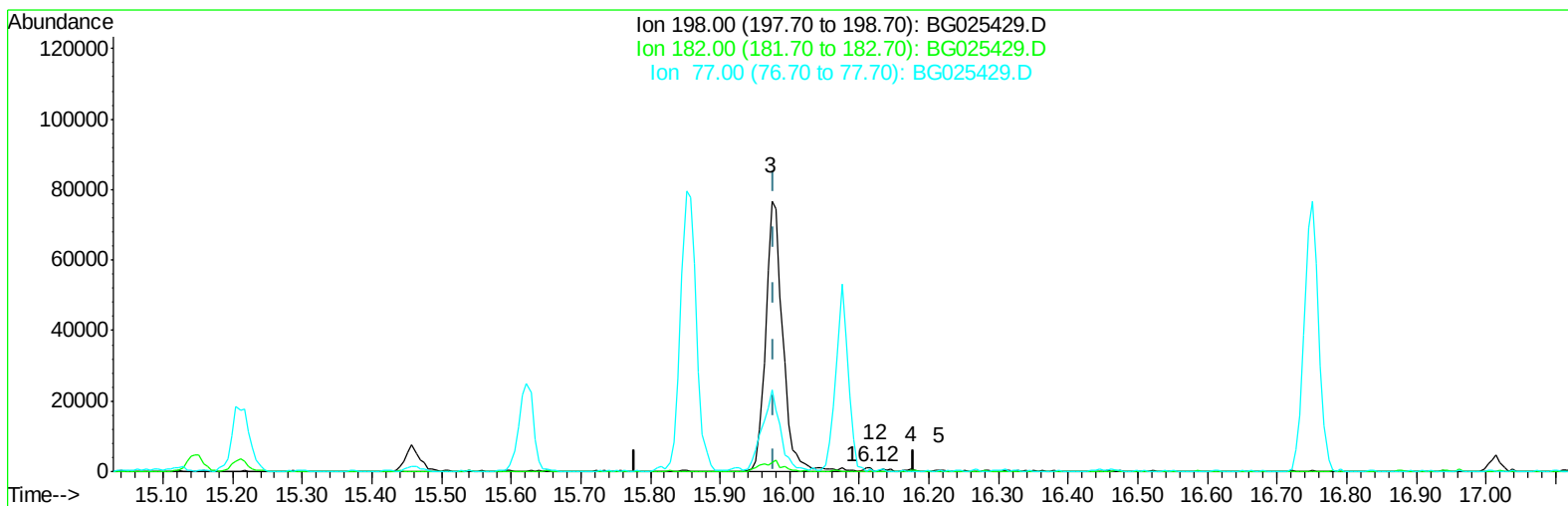
17.579min (+0.002) 20.00ng/ul m

response 457084

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	6.96#
80.00	9.50	7.81
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:43:41 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: BG025429.D

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

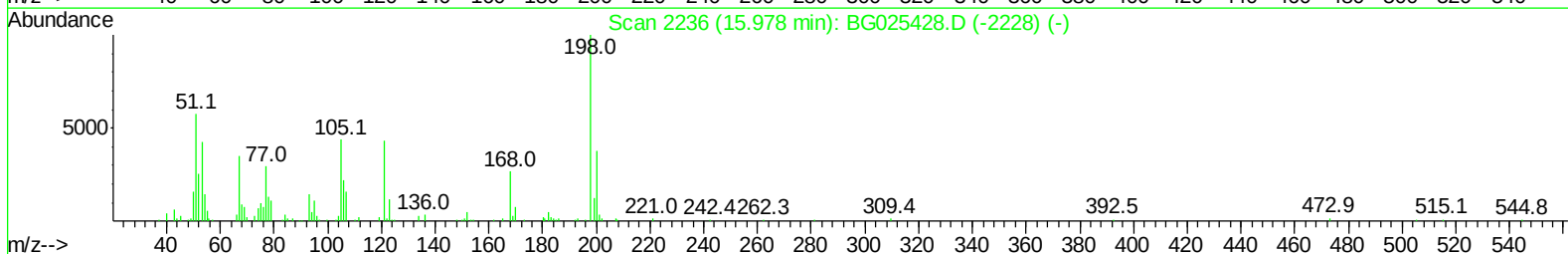
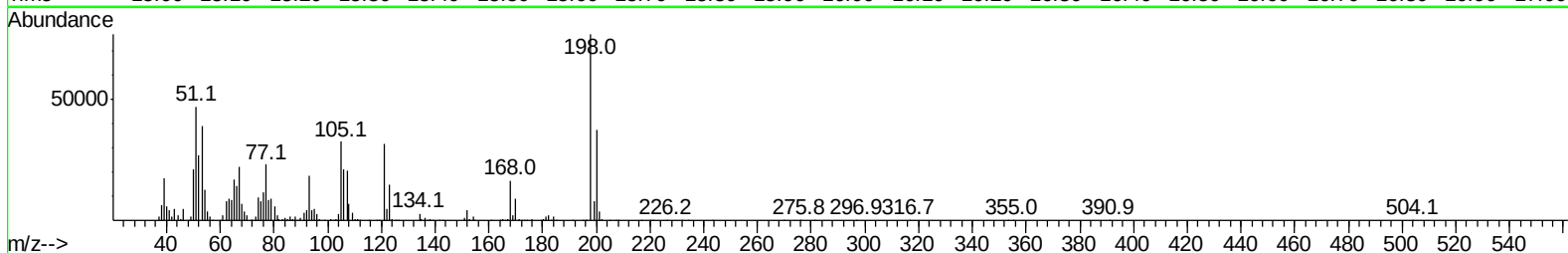
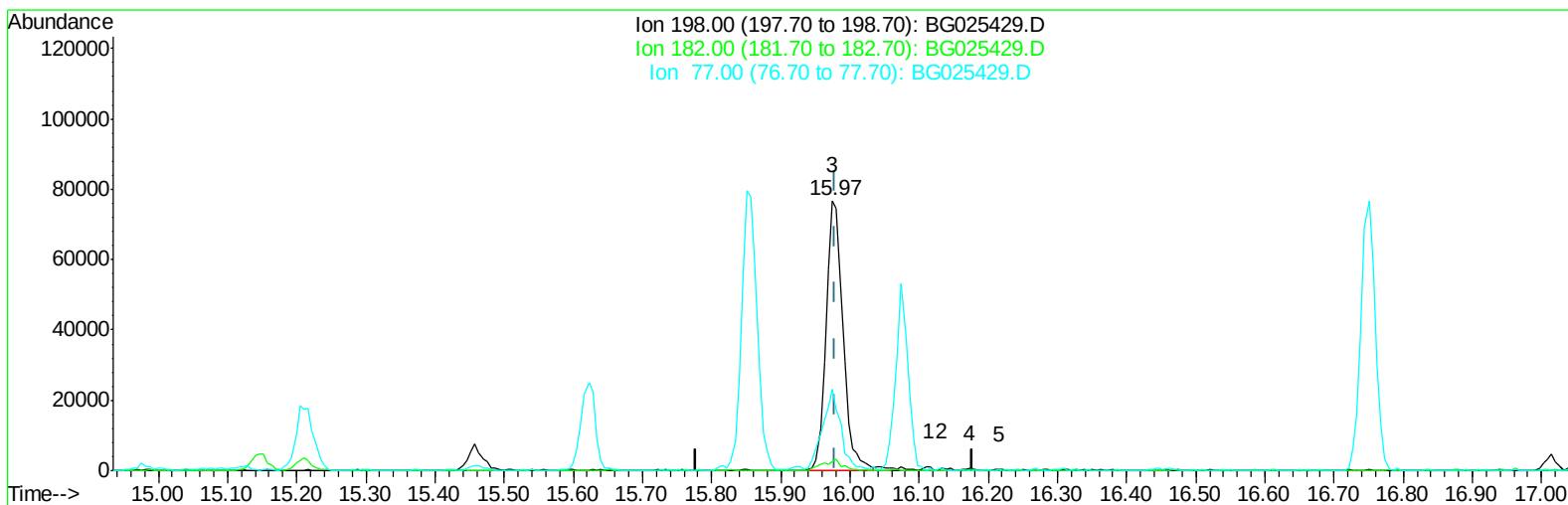
16.116min (+0.138) 0.31ng/ul

response 901

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	0.00#
77.00	28.00	62.67#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:43:41 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: BG025429.D

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

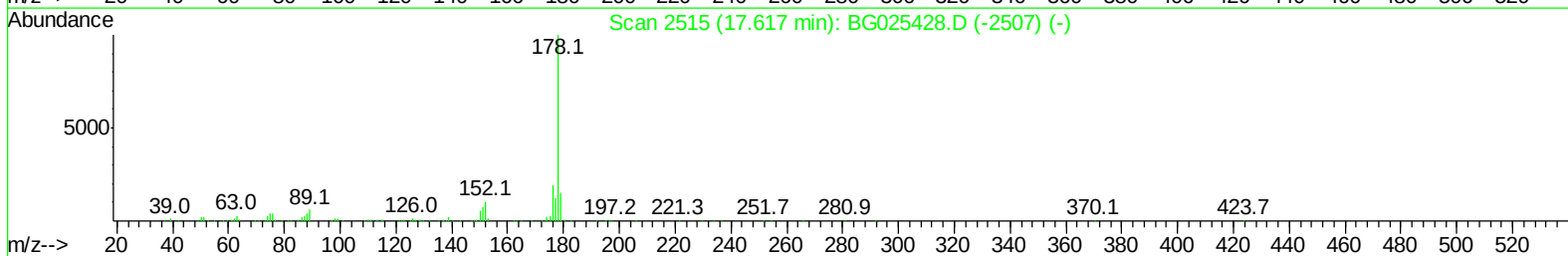
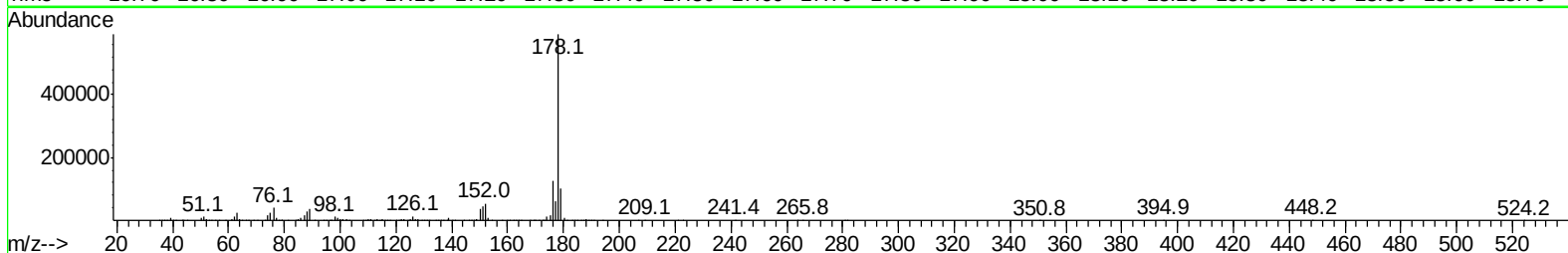
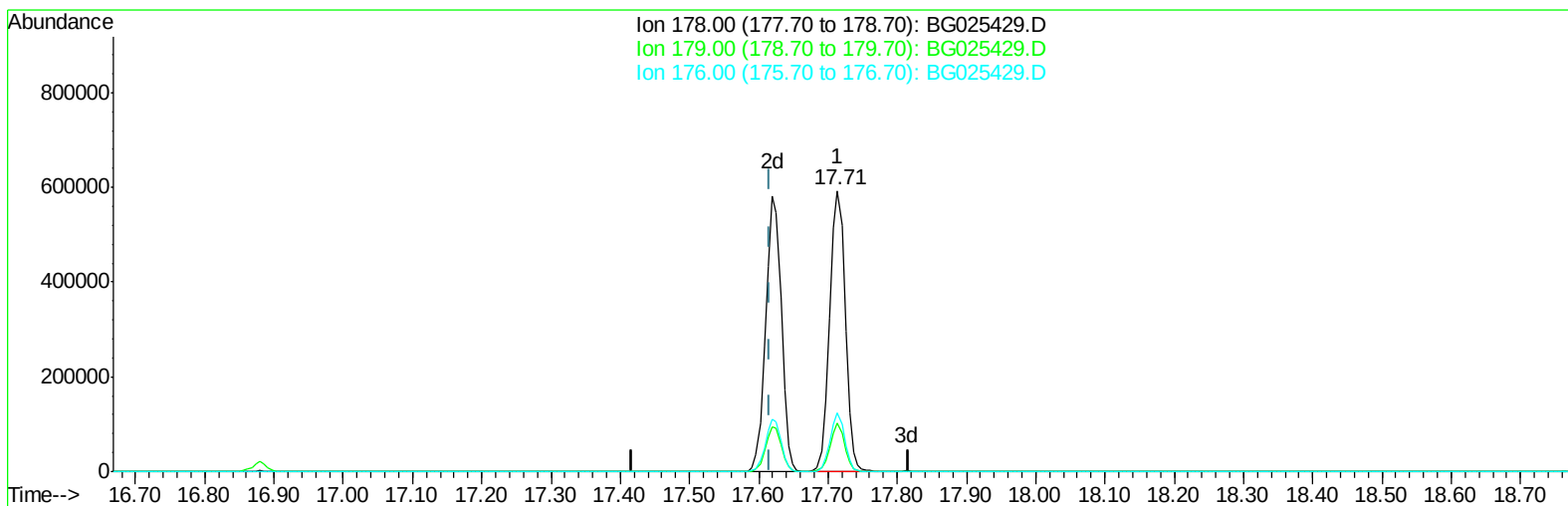
15.975min (-0.004) 44.26ng/ul m

response 129557

Ion	Exp%	Act%
198.00	100	100
182.00	6.10	3.30#
77.00	28.00	30.22
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:43:41 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: BG025429.D

(69) Phenanthrene

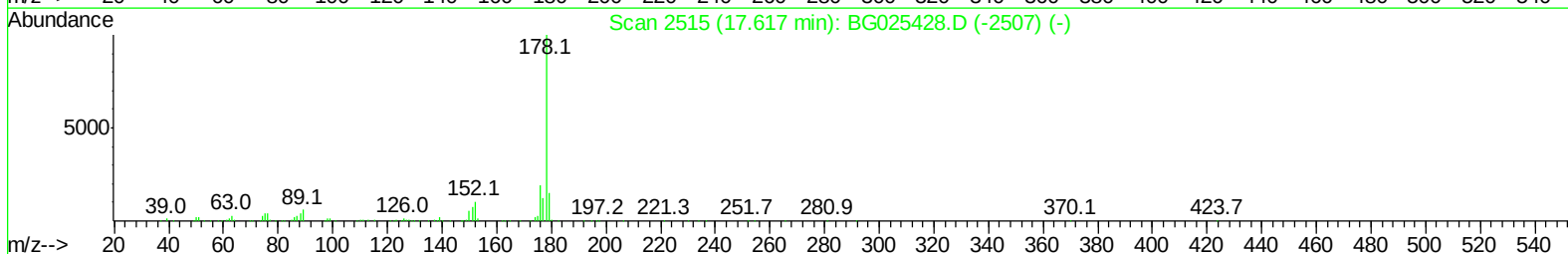
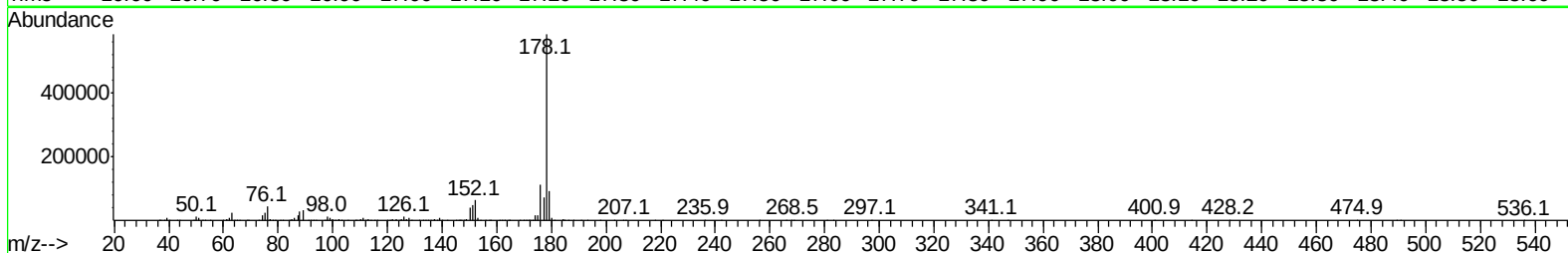
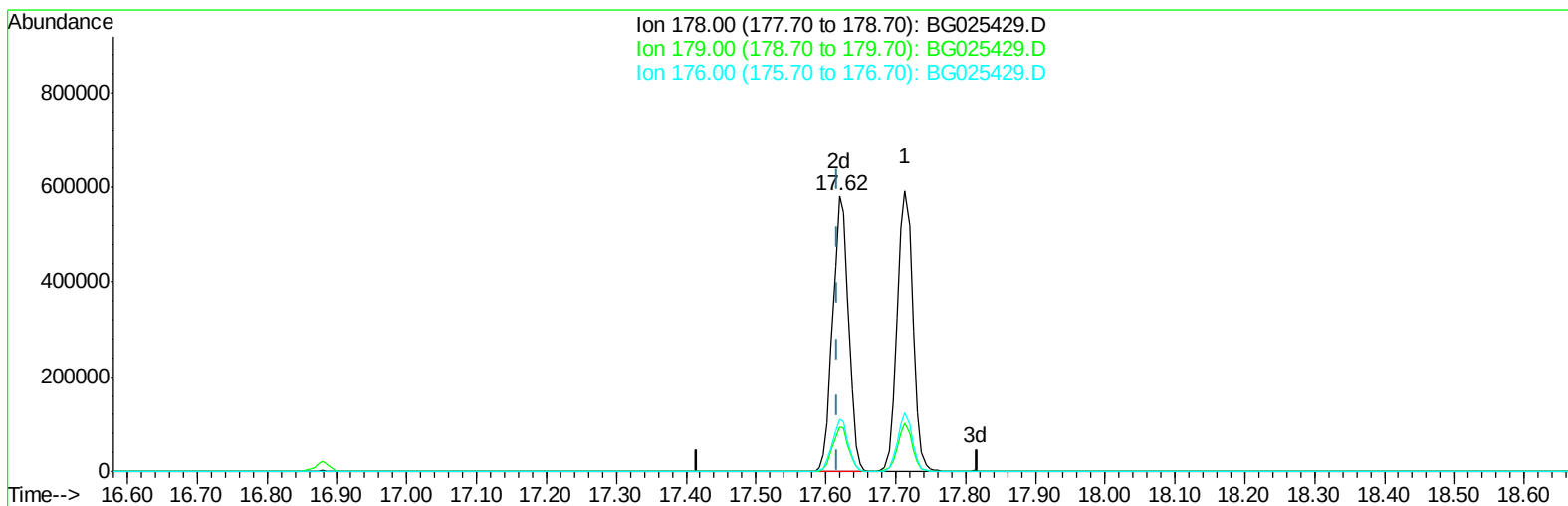
17.714min (+0.096) 42.54ng/ul

response 927993

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	17.49
176.00	20.60	21.05
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SSTD04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:43:41 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: BG025429.D

(69) Phenanthrene

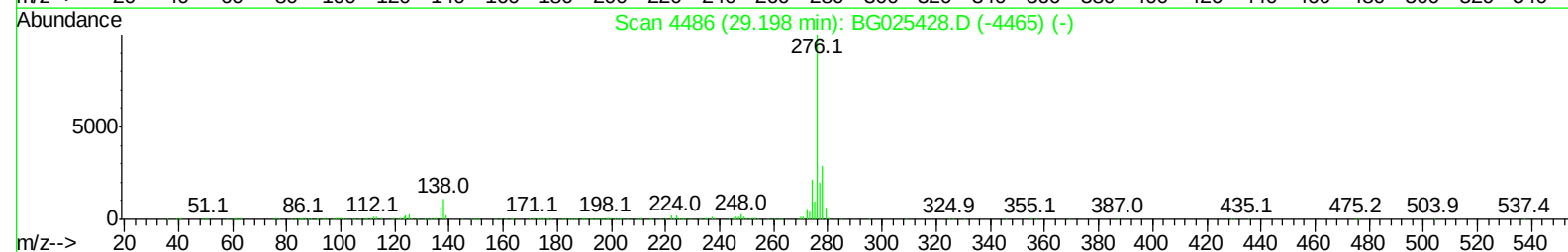
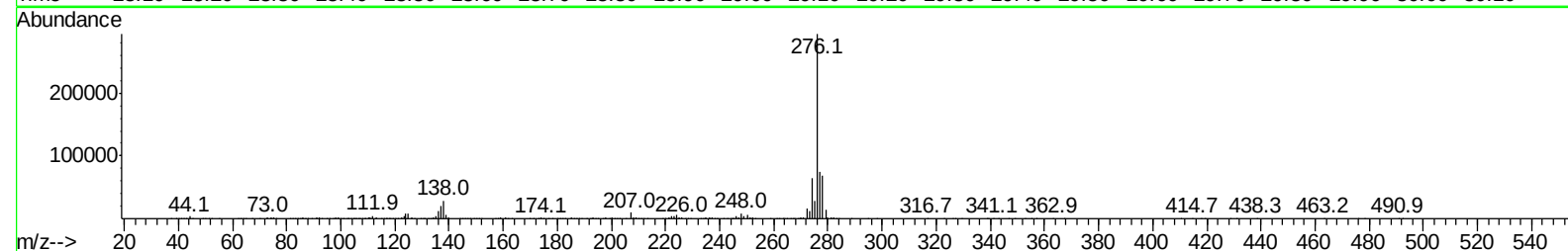
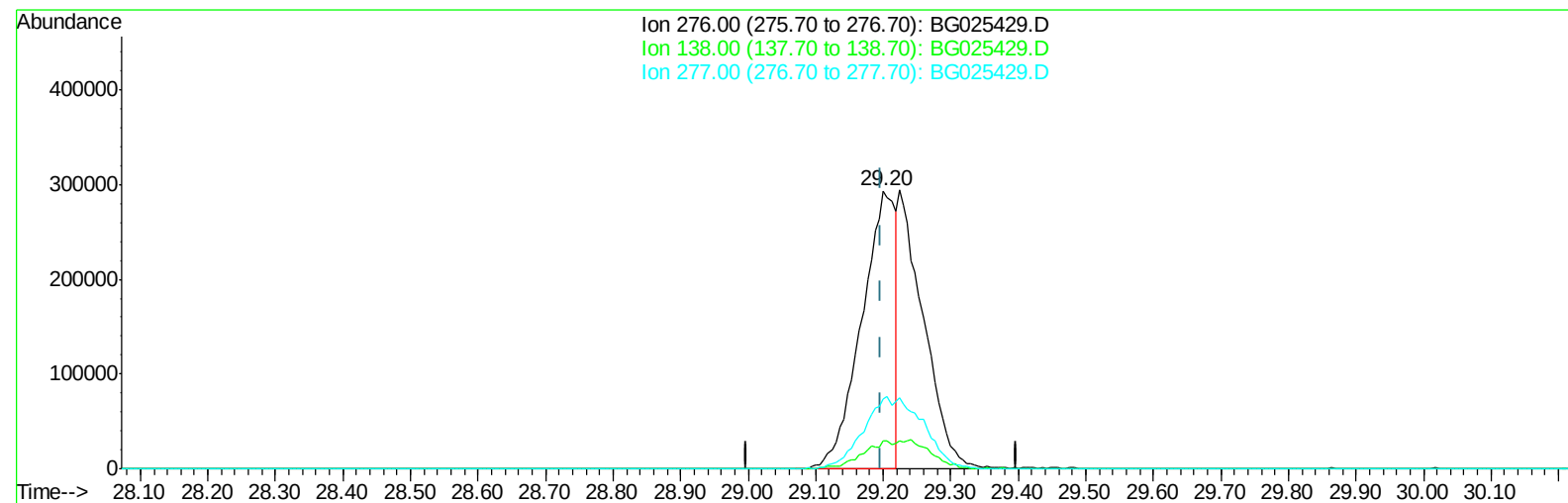
17.620min (+0.002) 41.73ng/ul m

response 910499

Ion	Exp%	Act%
178.00	100	100
179.00	15.50	16.00
176.00	20.60	19.02
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:43:41 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



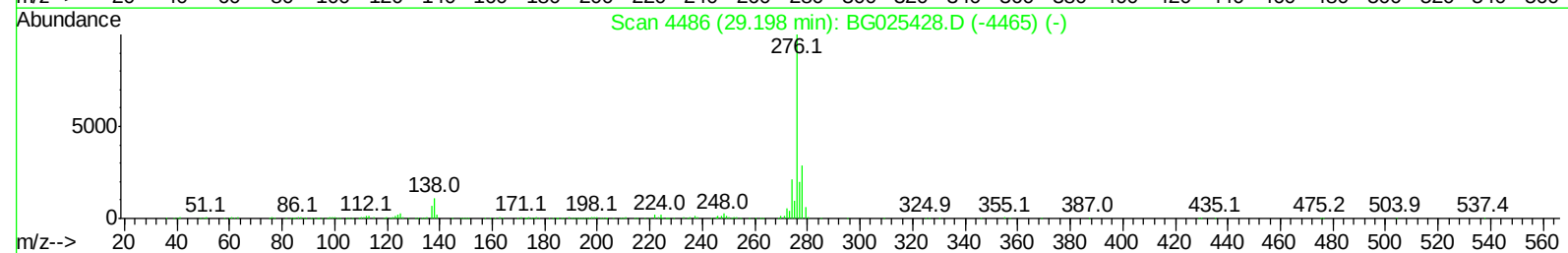
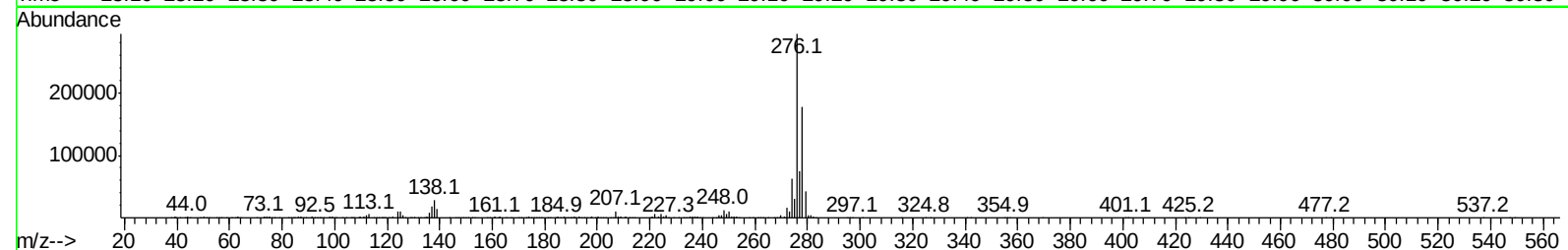
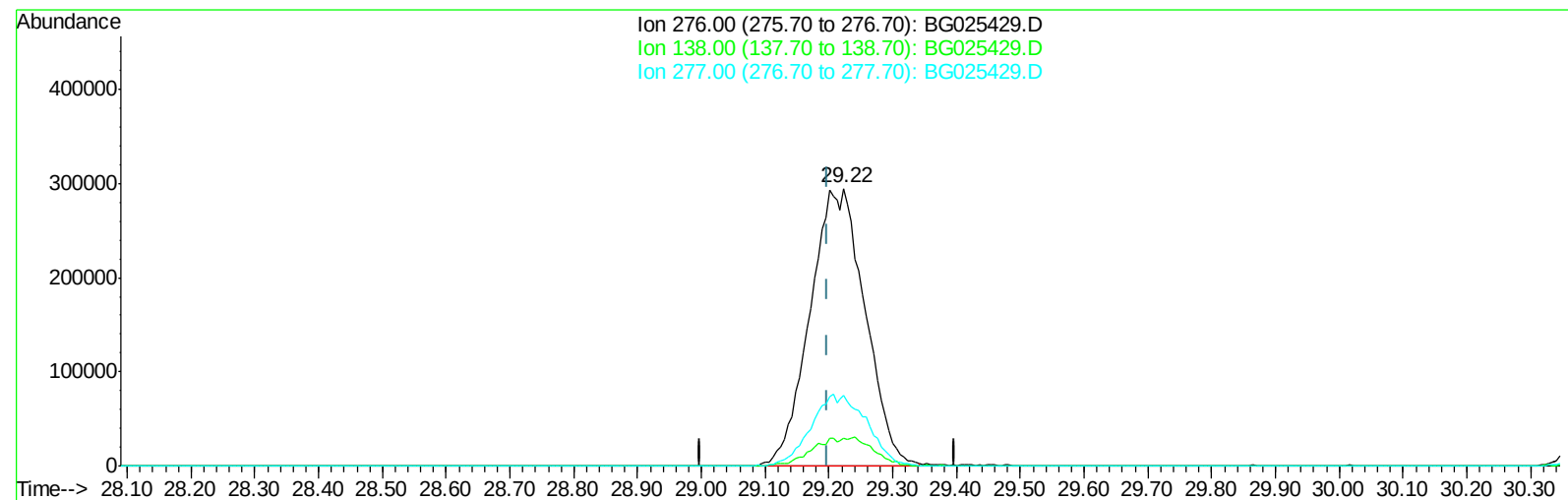
TIC: BG025429.D

(89) Indeno(1,2,3-cd)pyrene
29.200min (+0.002) 24.38ng/ul
response 1007210

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	12.15
277.00	23.30	25.28
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
Data File : BG025429.D
Acq On : 4 Jan 2017 12:19
Operator : UM/SJ
Sample : SST04031
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:43:41 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: BG025429.D

(89) Indeno(1,2,3-cd)pyrene

29.224min (+0.026) 43.06ng/ul m

response 1779133

Ion	Exp%	Act%
276.00	100	100
138.00	10.30	9.93
277.00	23.30	25.66
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
 Data File : BG025429.D
 Acq On : 4 Jan 2017 12:19
 Operator : UM/SJ
 Sample : SSTD04031
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:46:07 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	63767	20.00	ng/ul	0.00
18) Naphthalene-d8	11.03	136	250311	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.83	164	202026	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.58	188	457084m	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	650847	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	697305	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.55	96	19192	15.55	ng/uL	0.00
5) Phenol-d5	7.36	99	193606	35.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.52	67	129931	38.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.74	132	147602	38.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.92	113	162702	35.39	ng/ul	0.00
19) Nitrobenzene-d5	9.39	128	74302	41.92	ng/ul	0.00
22) 2-Nitrophenol-d4	10.11	143	91890	41.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.66	165	169731m	39.94	ng/ul	0.00
29) 4-Chloroaniline-d4	11.18	131	190575	45.63	ng/ul	0.00
43) Dimethylphthalate-d6	14.23	166	562810	40.50	ng/ul	0.00
46) Acenaphthylene-d8	14.53	160	621711	40.84	ng/ul	0.00
51) 4-Nitrophenol-d4	15.06	143	82048	34.35	ng/ul	0.00
57) Fluorene-d10	15.82	176	533289	40.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.96	200	122824	43.46	ng/ul	0.00
70) Anthracene-d10	17.68	188	792740	41.09	ng/ul	0.00
76) Pyrene-d10	19.95	212	1035258	38.62	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	1184471	41.92	ng/ul	0.01

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.58	88	20148	12.53	ng/uL#	85
4) Benzaldehyde	7.34	77	156544	37.80	ng/ul	97
6) Phenol	7.39	94	204129	36.15	ng/ul	96
8) Bis(2-Chloroethyl)ether	7.61	93	152520	36.91	ng/ul	99
10) 2-Chlorophenol	7.77	128	146071	37.77	ng/ul#	88
11) 2-Methylphenol	8.65	108	148820	35.80	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.73	45	272373	38.76	ng/ul	97
14) Acetophenone	9.04	105	251729	35.98	ng/ul	96
15) N-Nitroso-di-n-propylamine	9.01	70	147461	36.49	ng/ul#	92
16) 4-Methylphenol	8.99	108	161750	34.97	ng/ul	95
17) Hexachloroethane	9.28	117	68441	39.95	ng/ul	95
20) Nitrobenzene	9.43	77	232832	42.75	ng/ul	93
21) Isophorone	9.95	82	413409	40.11	ng/ul	98
23) 2-Nitrophenol	10.15	139	91166	40.67	ng/ul	96
24) 2,4-Dimethylphenol	10.19	107	211869	41.33	ng/ul	93
25) Bis(2-Chloroethoxy)methane	10.42	93	211601	40.28	ng/ul	95
27) 2,4-Dichlorophenol	10.69	162	163610	39.65	ng/ul	93
28) Naphthalene	11.09	128	470671	40.45	ng/ul	97
30) 4-Chloroaniline	11.20	127	189622	44.41	ng/ul	99
31) Hexachlorobutadiene	11.34	225	151162	42.61	ng/ul#	91
32) Caprolactam	11.97	113	62382m	36.41	ng/ul	
33) 4-Chloro-3-methylphenol	12.31	107	195639	38.47	ng/ul	100
34) 2-Methylnaphthalene	12.67	142	367836	40.06	ng/ul	96

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010417\
 Data File : BG025429.D
 Acq On : 4 Jan 2017 12:19
 Operator : UM/SJ
 Sample : SSTD04031
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 13:46:07 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	266130	43.70	ng/ul#	90
37) Hexachlorocyclopentadiene	13.00	237	106588	29.82	ng/ul	95
38) 2,4,6-Trichlorophenol	13.28	196	152514	39.87	ng/ul	91
39) 2,4,5-Trichlorophenol	13.37	196	172437	41.13	ng/ul	97
40) 1,1'-Biphenyl	13.67	154	502753	41.05	ng/ul	97
41) 2-Chloronaphthalene	13.72	162	402793	41.31	ng/ul	97
42) 2-Nitroaniline	13.94	65	164871	43.20	ng/ul	88
44) Dimethylphthalate	14.27	163	542152	39.70	ng/ul	98
45) 2,6-Dinitrotoluene	14.42	165	116785	39.80	ng/ul#	88
47) Acenaphthylene	14.56	152	598443	40.44	ng/ul	99
48) 3-Nitroaniline	14.75	138	100788	39.66	ng/ul#	72
49) Acenaphthene	14.89	153	409399	40.38	ng/ul	99
50) 2,4-Dinitrophenol	14.98	184	67183	35.24	ng/ul	92
52) 4-Nitrophenol	15.08	109	105581	36.75	ng/ul	90
53) Dibenzofuran	15.23	168	635929	39.66	ng/ul	99
54) 2,4-Dinitrotoluene	15.21	165	171994	38.89	ng/ul#	94
55) 2,3,4,6-Tetrachlorophenol	15.46	232	169347	38.23	ng/ul#	96
56) Diethylphthalate	15.62	149	574059	39.70	ng/ul	99
58) Fluorene	15.88	166	534034	40.91	ng/ul	94
59) 4-Chlorophenyl-phenylether	15.86	204	300721	40.91	ng/ul	90
60) 4-Nitroaniline	15.92	138	101148	33.00	ng/ul	90
63) 4,6-Dinitro-2-methylphenol	15.97	198	129557m	44.26	ng/ul	
64) N-Nitrosodiphenylamine	16.07	169	487750	41.48	ng/ul	94
65) 4-Bromophenyl-phenylether	16.75	248	220312	42.67	ng/ul	91
66) Hexachlorobenzene	16.88	284	253527	43.61	ng/ul	97
67) Atrazine	17.01	200	231731	41.45	ng/ul	96
68) Pentachlorophenol	17.23	266	119402	34.21	ng/ul	97
69) Phenanthrene	17.62	178	910499m	41.73	ng/ul	
71) Anthracene	17.71	178	924963	41.24	ng/ul	97
72) Carbazole	17.99	167	789619	42.20	ng/ul	96
73) Di-n-butylphthalate	18.50	149	995348	42.13	ng/ul	99
74) Fluoranthene	19.62	202	1206570	46.54	ng/ul	99
77) Pyrene	19.98	202	1202526	38.43	ng/ul	98
78) Butylbenzylphthalate	20.83	149	504195	41.16	ng/ul	98
79) 3,3'-Dichlorobenzidine	21.76	252	534878	47.14	ng/ul#	95
80) Benzo(a)anthracene	21.85	228	1367269	40.43	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.69	149	714806	42.40	ng/ul	99
82) Chrysene	21.92	228	1289004	40.75	ng/ul	98
84) Di-n-octyl phthalate	22.95	149	1259131	44.48	ng/ul	100
85) Benzo(b)fluoranthene	24.18	252	1428439	41.31	ng/ul	99
86) Benzo(k)fluoranthene	24.26	252	1413902	43.02	ng/ul	99
88) Benzo(a)pyrene	25.12	252	1409610	42.40	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	29.22	276	1779133m	43.06	ng/ul	
90) Dibenzo(a,h)anthracene	29.25	278	1504479	43.22	ng/ul	95
91) Benzo(g,h,i)perylene	30.45	276	1468390	42.58	ng/ul#	95

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

