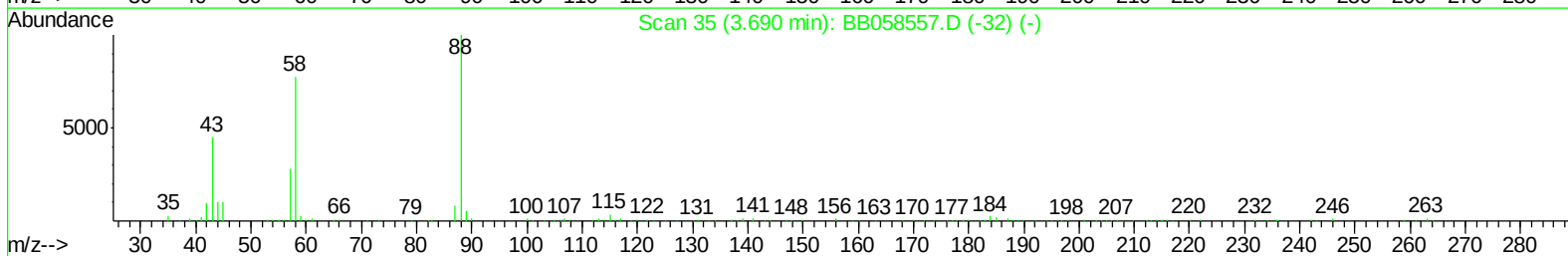
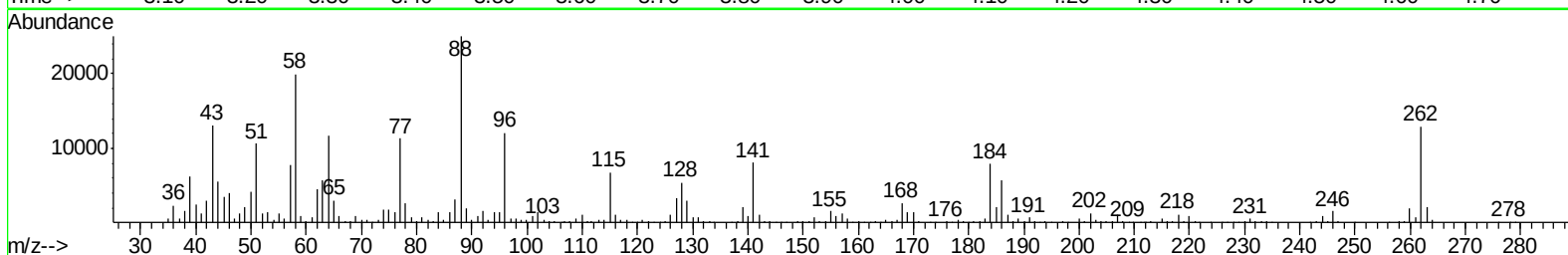
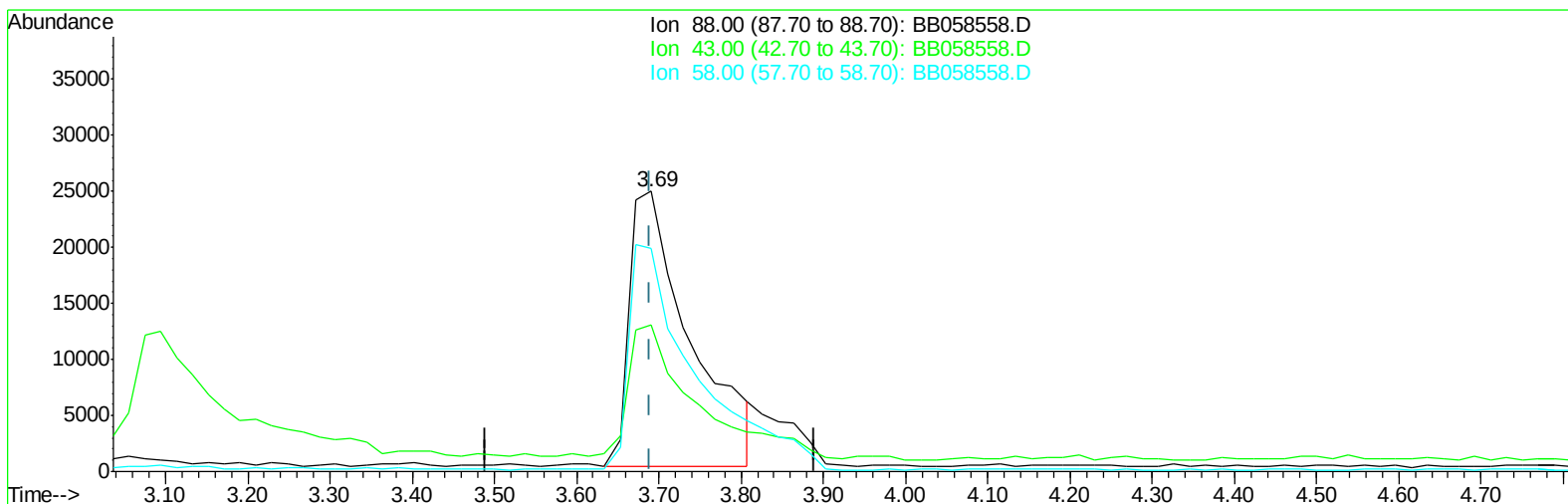


Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SST04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(2) 1,4-Dioxane

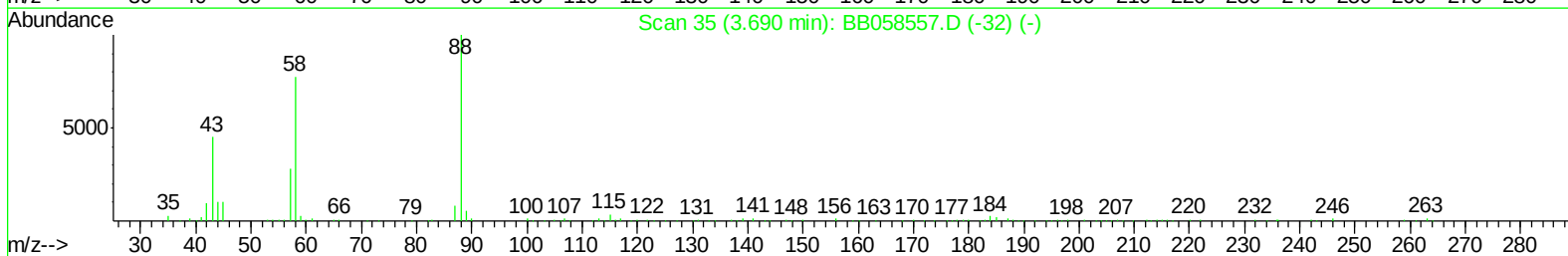
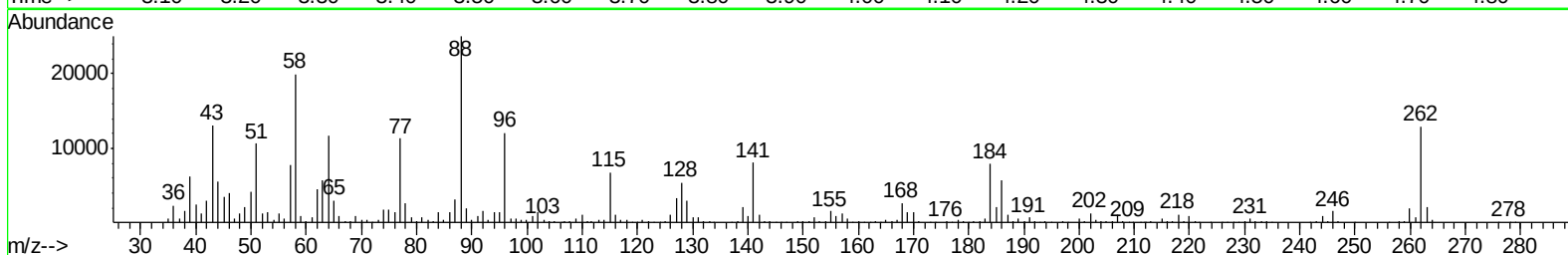
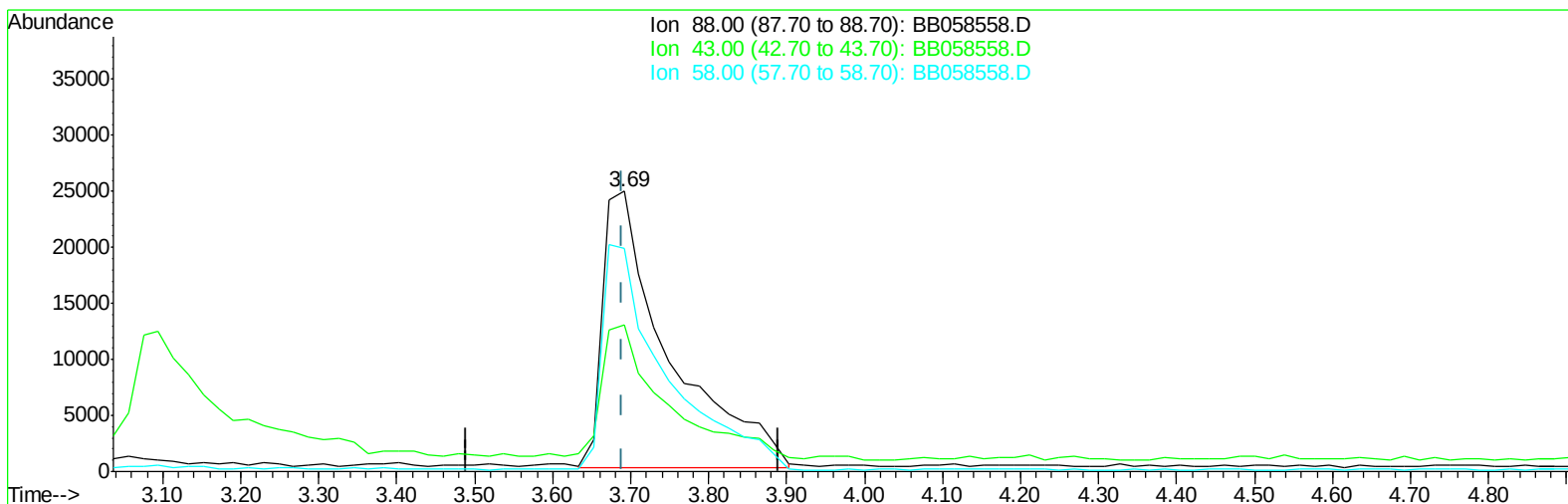
3.691min (+0.002) 16.34ng/uL

response 127348

Ion	Exp%	Act%
88.00	100	100
43.00	28.30	46.02#
58.00	71.60	79.44
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SST04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(2) 1,4-Dioxane

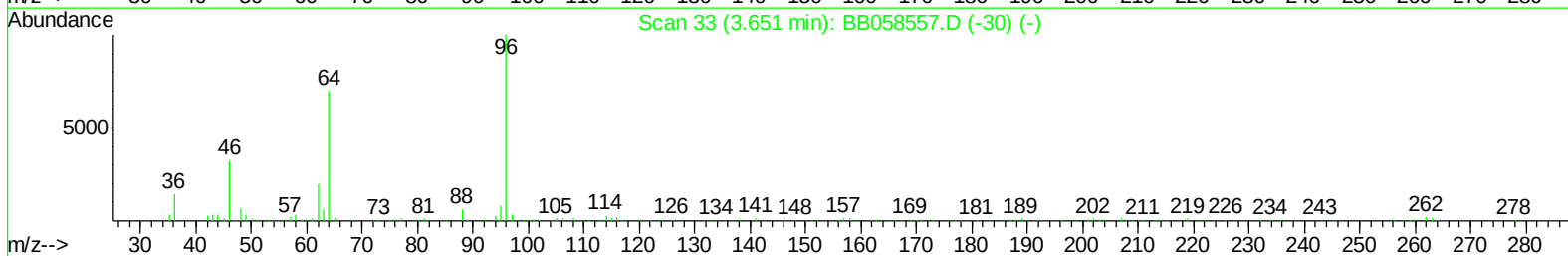
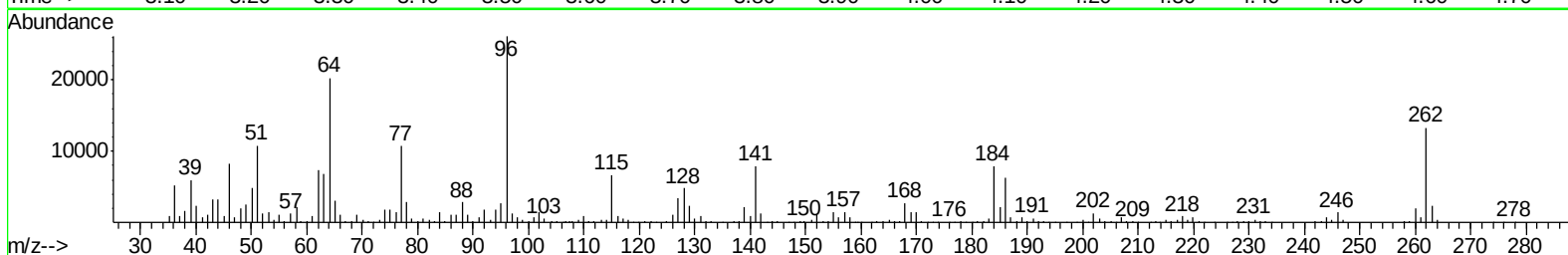
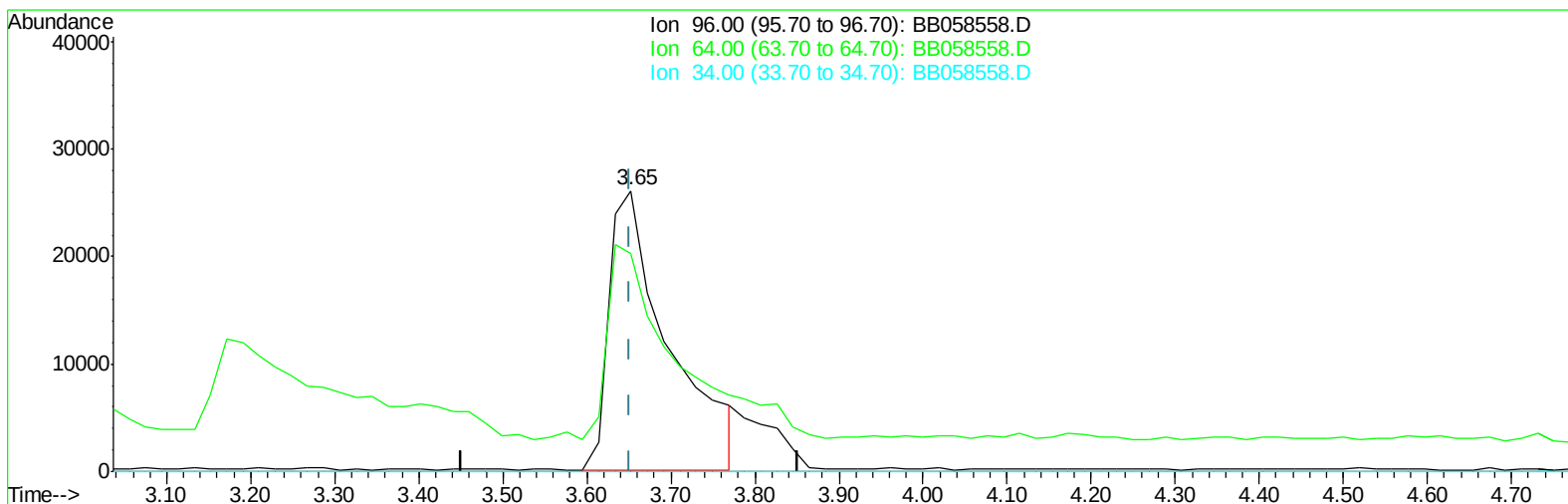
3.691min (+0.002) 18.86ng/uL m

response 147012

Ion	Exp%	Act%
88.00	100	100
43.00	28.30	39.87#
58.00	71.60	68.81
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SST04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(3) 1,4-Dioxane-d8 (S)

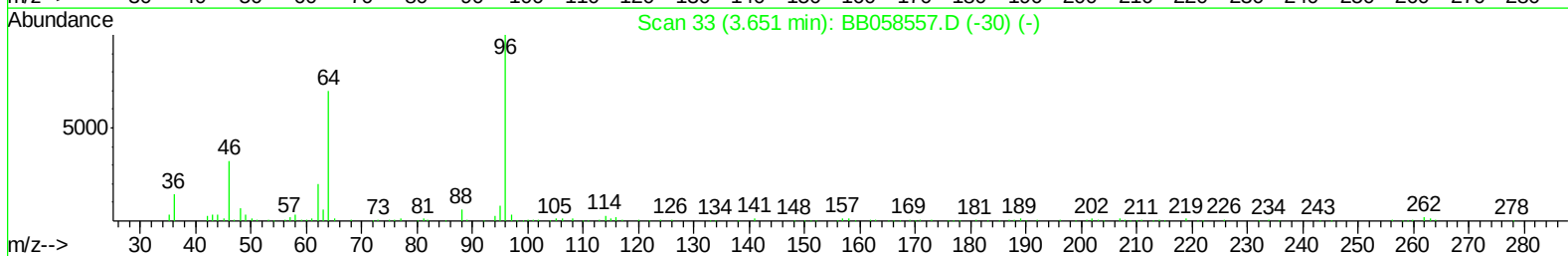
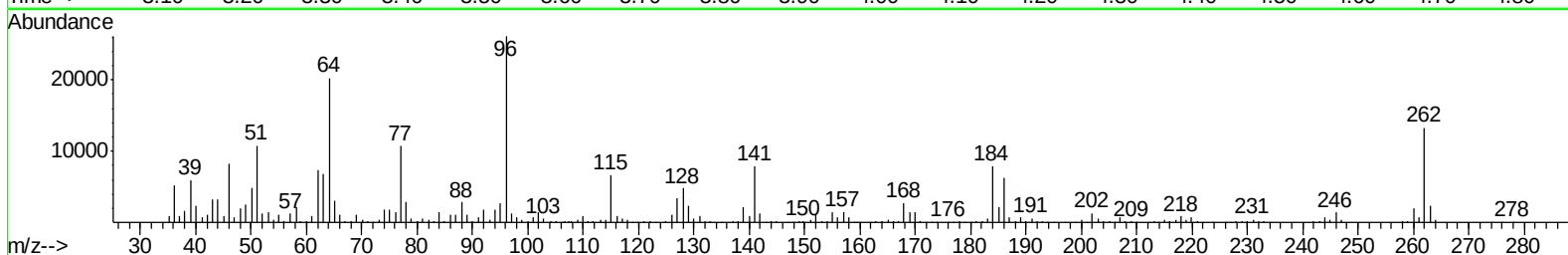
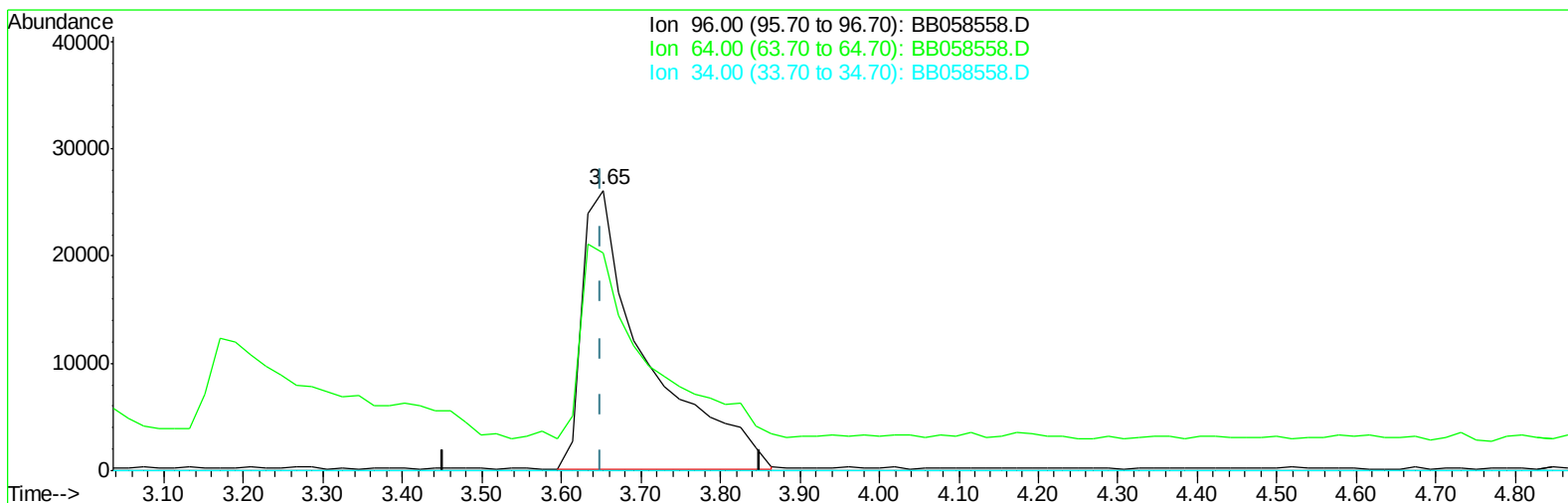
3.653min (+0.002) 17.21ng/uL

response 127925

Ion	Exp%	Act%
96.00	100	100
64.00	68.70	71.33
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SST04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(3) 1,4-Dioxane-d8 (S)

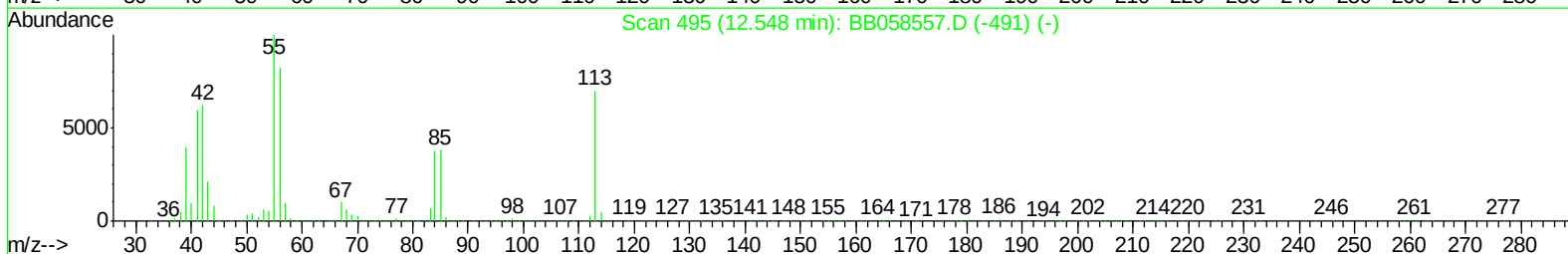
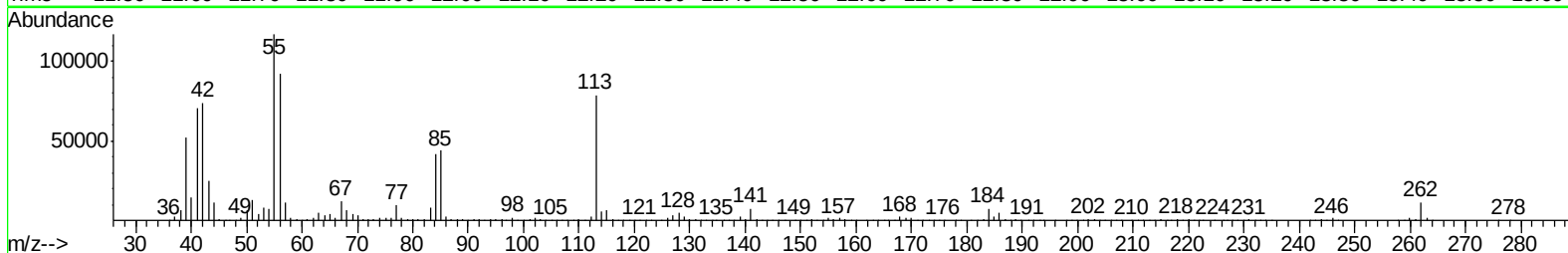
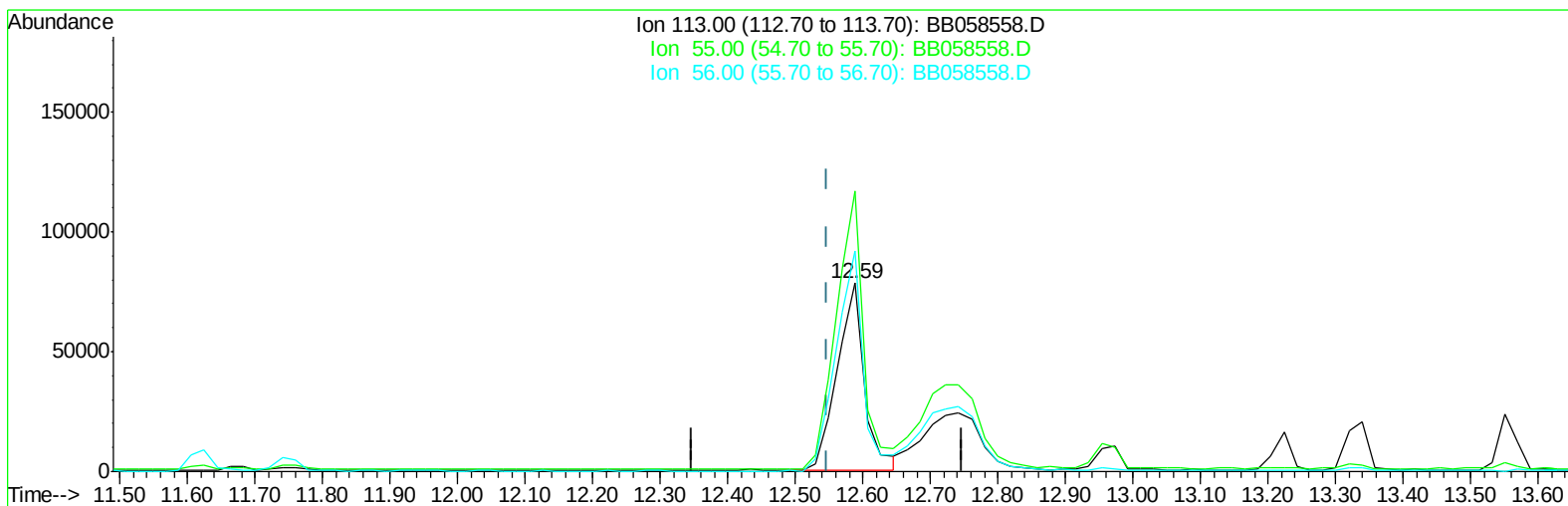
3.653min (+0.002) 19.64ng/uL m

response 145999

Ion	Exp%	Act%
96.00	100	100
64.00	68.70	62.50
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SST04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(32) Caprolactam

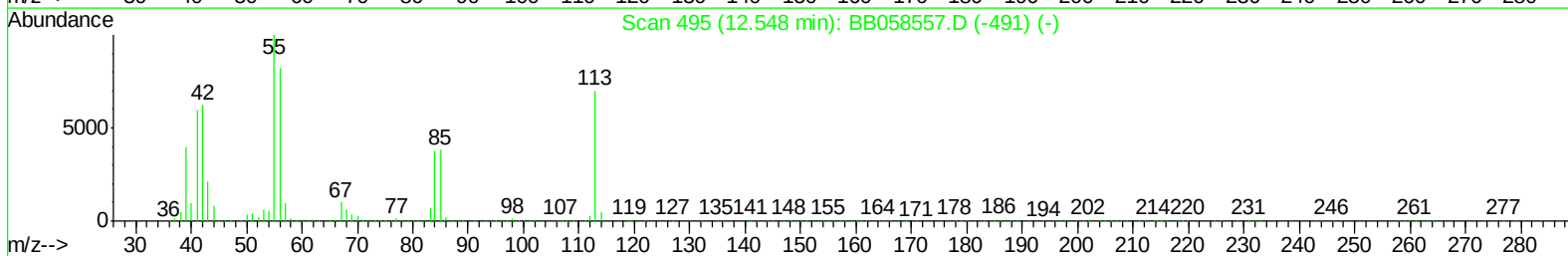
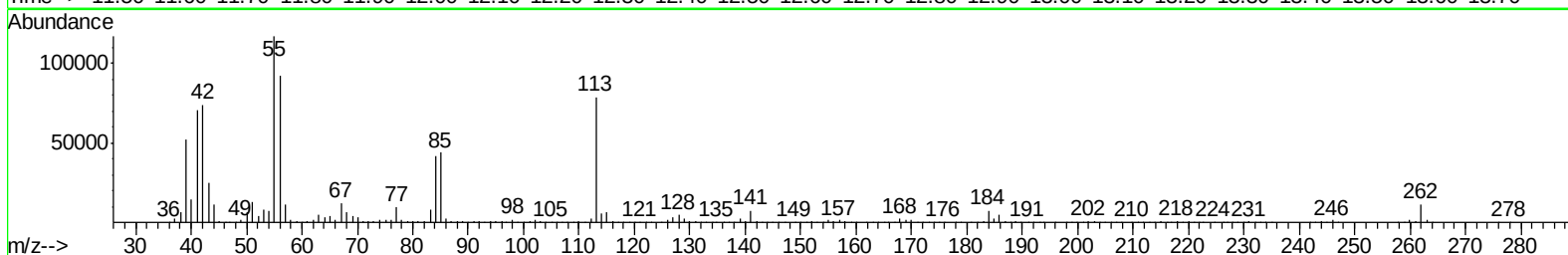
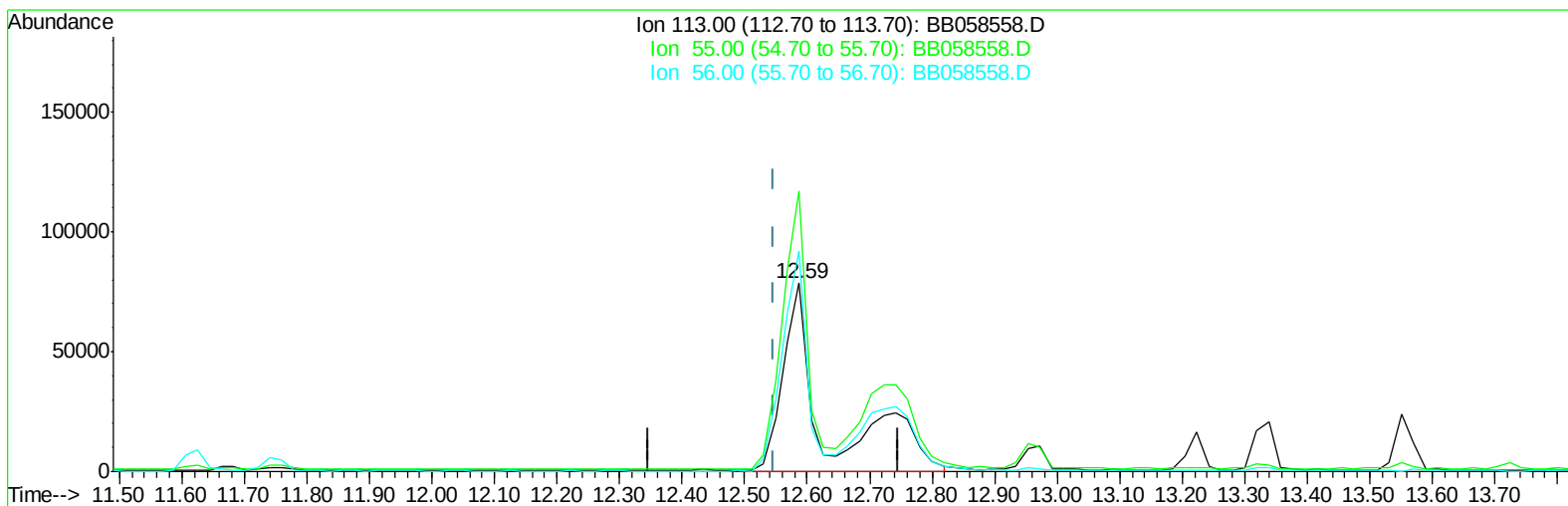
12.588min (+0.040) 26.88ng/ul

response 220152

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	148.77
56.00	121.70	117.16
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SSTD04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(32) Caprolactam

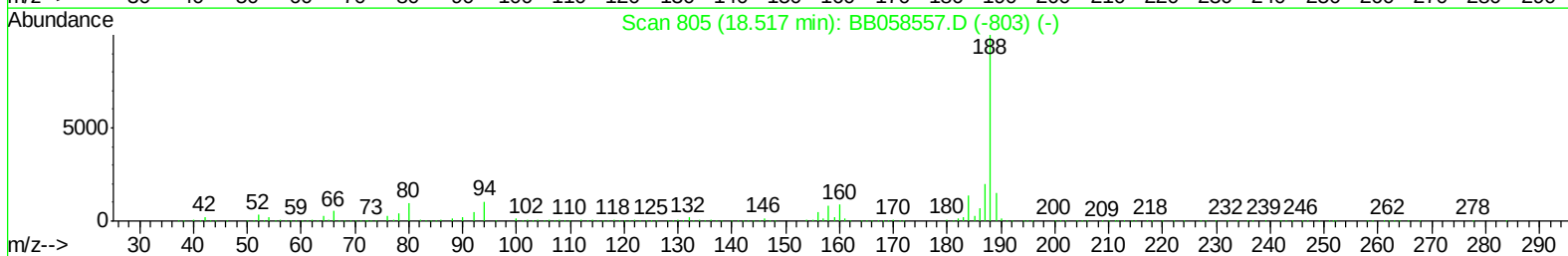
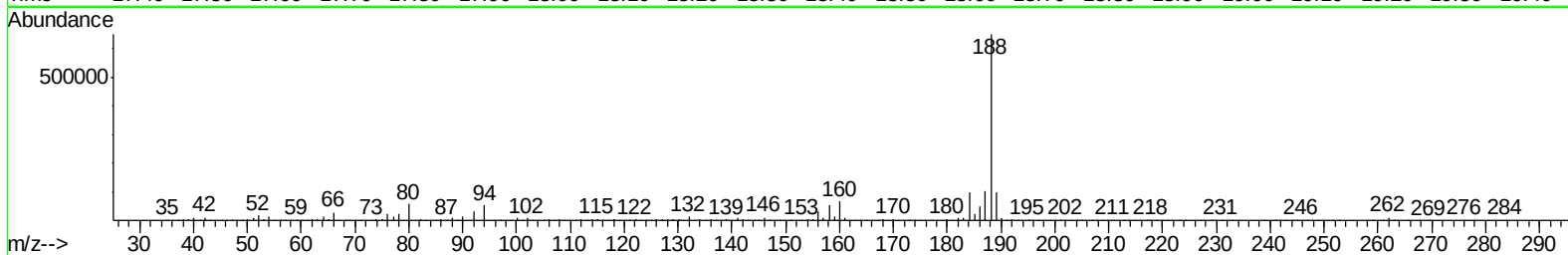
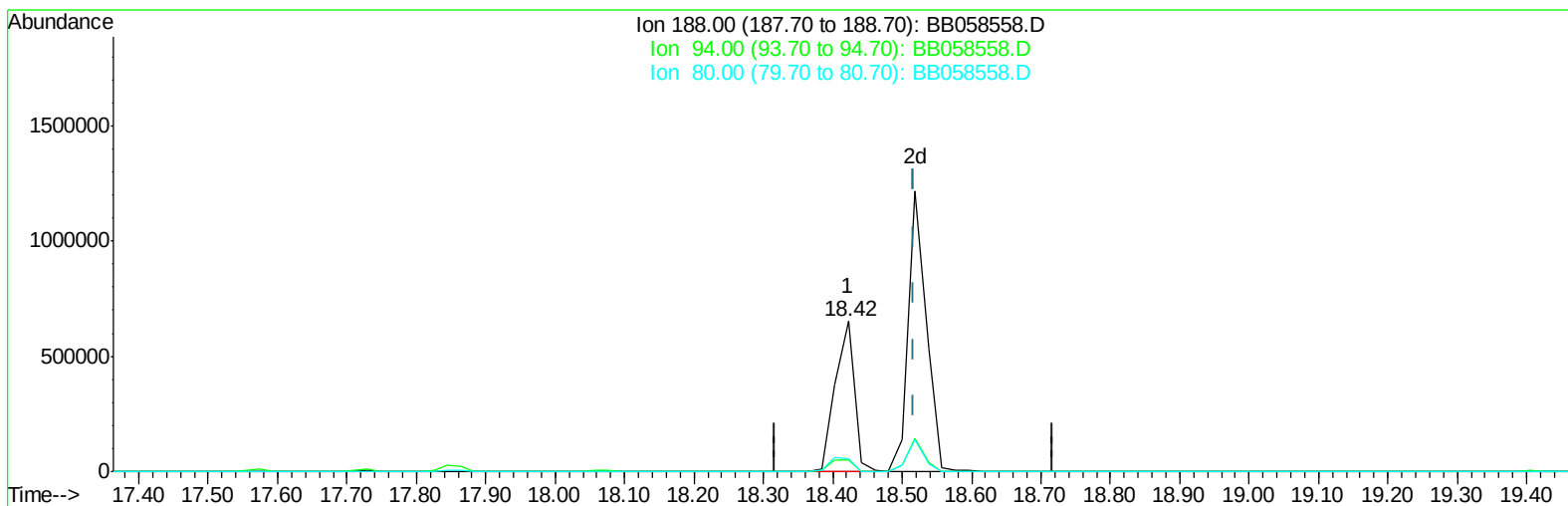
12.588min (+0.040) 45.40ng/ul m

response 371916

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	148.77
56.00	121.70	117.16
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SST04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(70) Anthracene-d10 (S)

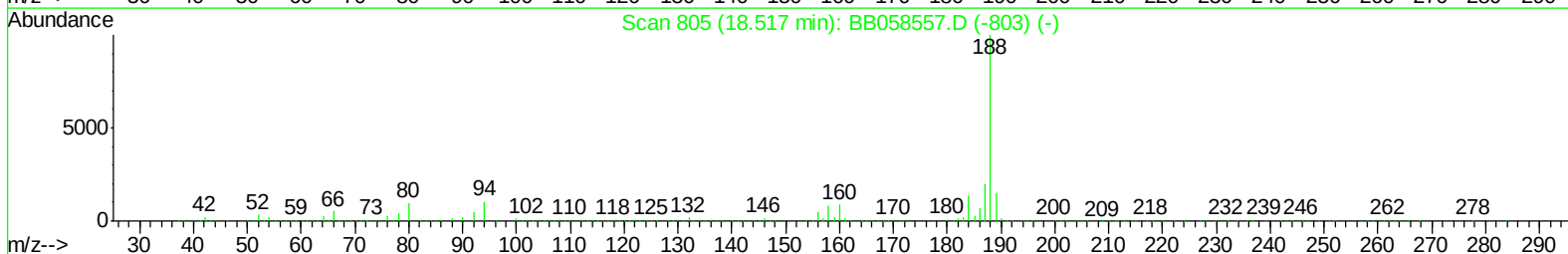
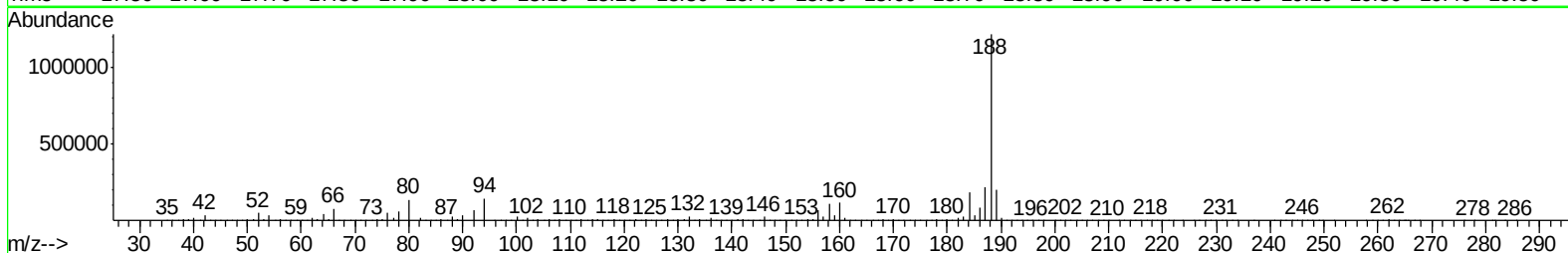
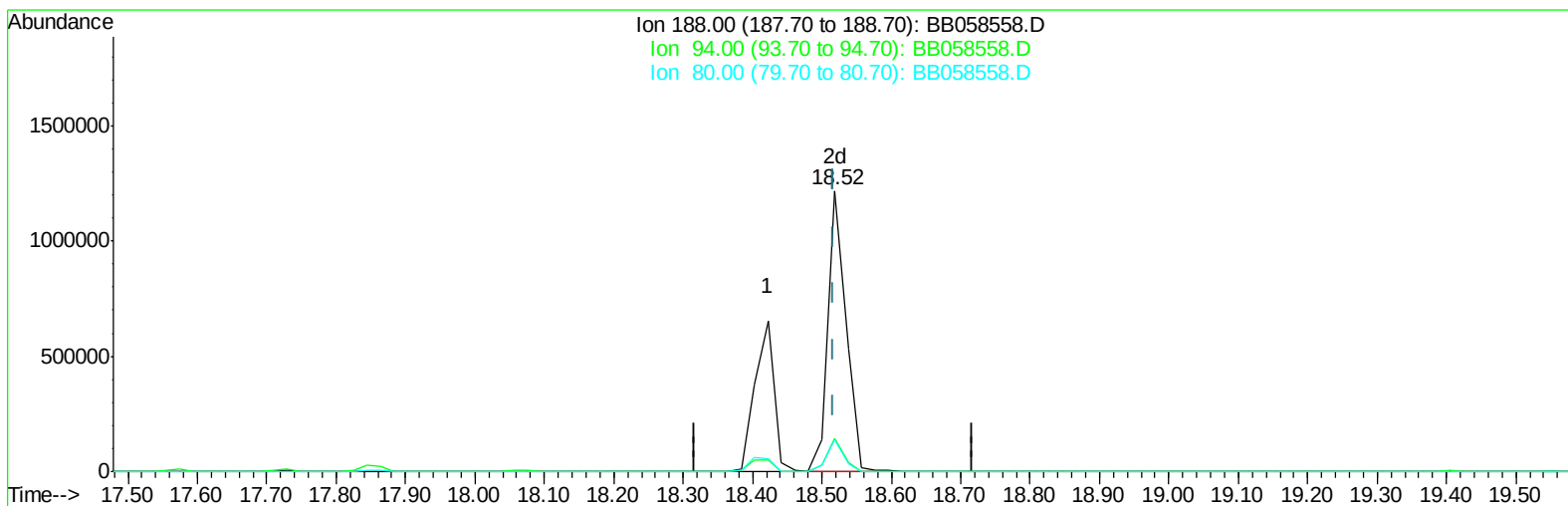
18.422min (-0.095) 21.76ng/ul

response 1245477

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	7.92
80.00	7.90	8.83
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058558.D
Acq On : 29 Sep 2016 14:26
Operator : UM/SJ
Sample : SSTD04070
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:33:25 2016
Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 29 14:56:56 2016
Response via : Initial Calibration



TIC: BB058558.D

(70) Anthracene-d10 (S)

18.519min (+0.002) 38.55ng/ul m

response 2206564

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	11.96#
80.00	7.90	11.33#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
 Data File : BB058558.D
 Acq On : 29 Sep 2016 14:26
 Operator : UM/SJ
 Sample : SST004070
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:37:08 2016
 Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 29 14:56:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	365323	20.00	ng/ul	0.00
18) Naphthalene-d8	11.62	136	1403536	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	800841	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.42	188	1245477	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	1233024	20.00	ng/ul	0.00
83) Perylene-d12	25.86	264	1073325	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	145999m	19.64	ng/uL	0.00
5) Phenol-d5	7.81	99	1134744	34.99	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.95	67	752858	43.18	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	1054858	44.80	ng/ul	0.00
13) 4-Methylphenol-d8	9.45	113	859946	31.07	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	556544	55.47	ng/ul	0.00
22) 2-Nitrophenol-d4	10.66	143	642852	56.39	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	11.24	165	877880	38.65	ng/ul	0.00
29) 4-Chloroaniline-d4	11.74	131	1090620	45.73	ng/ul	0.00
43) Dimethylphthalate-d6	14.96	166	2082279	35.75	ng/ul	0.00
46) Acenaphthylene-d8	15.26	160	2593547	38.37	ng/ul	0.02
51) 4-Nitrophenol-d4	15.78	143	517821	50.36	ng/ul	0.02
57) Fluorene-d10	16.59	176	1695100	33.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.73	200	473138	62.26	ng/ul	0.00
70) Anthracene-d10	18.52	188	2206564m	38.55	ng/ul	0.00
76) Pyrene-d10	20.87	212	2172831	44.41	ng/ul	0.02
87) Benzo(a)pyrene-d12	25.66	264	1911363	40.25	ng/ul	0.02

Target Compounds

					Ovalue	
2) 1,4-Dioxane	3.69	88	147012m	18.86	ng/ul	
4) Benzaldehyde	7.74	77	787577	36.21	ng/ul	94
6) Phenol	7.83	94	1100168	33.44	ng/ul#	84
8) Bis(2-Chloroethyl)ether	8.04	93	935873	39.71	ng/ul	89
10) 2-Chlorophenol	8.22	128	1003729	42.51	ng/ul	98
11) 2-Methylphenol	9.16	108	837963	33.04	ng/ul	97
12) 2,2'-oxybis(1-Chloropropan	9.24	45	1679194	65.51	ng/ul#	86
14) Acetophenone	9.55	105	1239574	29.41	ng/ul#	88
15) N-Nitroso-di-n-propylamine	9.56	70	736358	34.41	ng/ul#	72
16) 4-Methylphenol	9.53	108	866008	30.51	ng/ul	98
17) Hexachloroethane	9.83	117	475367	49.20	ng/ul#	69
20) Nitrobenzene	9.93	77	1030569	40.08	ng/ul	91
21) Isophorone	10.51	82	2057465	41.82	ng/ul#	92
23) 2-Nitrophenol	10.68	139	620672	52.32	ng/ul#	93
24) 2,4-Dimethylphenol	10.78	107	1032779	37.64	ng/ul	91
25) Bis(2-Chloroethoxy)methane	10.99	93	1070950	38.15	ng/ul#	94
27) 2,4-Dichlorophenol	11.26	162	817152	36.51	ng/ul	98
28) Naphthalene	11.68	128	2601012	38.36	ng/ul	99
30) 4-Chloroaniline	11.78	127	1035634	41.49	ng/ul	96
31) Hexachlorobutadiene	12.01	225	440112	26.92	ng/ul	98
32) Caprolactam	12.59	113	371916m	45.40	ng/ul	
33) 4-Chloro-3-methylphenol	12.97	107	869778	31.92	ng/ul#	84
34) 2-Methylnaphthalene	13.34	142	1820073	34.21	ng/ul	95

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
 Data File : BB058558.D
 Acq On : 29 Sep 2016 14:26
 Operator : UM/SJ
 Sample : SSTD04070
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 29 15:37:08 2016
 Quant Method : Z:\HPCHEM1\BNA B\METHOD\SOM02.2-EPA-BB092916.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 29 14:56:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

36) 1,2,4,5-Tetrachlorobenzene	13.72	216	764866	32.39	ng/ul#	95
37) Hexachlorocyclopentadiene	13.72	237	424151	33.45	ng/ul#	98
38) 2,4,6-Trichlorophenol	13.95	196	556637	36.95	ng/ul	98
39) 2,4,5-Trichlorophenol	14.05	196	589186	35.74	ng/ul	99
40) 1,1'-Biphenyl	14.36	154	2069834	38.92	ng/ul	96
41) 2-Chloronaphthalene	14.42	162	1693626	40.93	ng/ul	97
42) 2-Nitroaniline	14.61	65	673413	52.97	ng/ul#	83
44) Dimethylphthalate	15.01	163	2080434	36.82	ng/ul#	95
45) 2,6-Dinitrotoluene	15.13	165	538747	48.07	ng/ul#	75
47) Acenaphthylene	15.28	152	2438667	36.34	ng/ul	98
48) 3-Nitroaniline	14.61	138	749587	65.81	ng/ul#	41
49) Acenaphthene	15.65	153	1663212	36.04	ng/ul	92
50) 2,4-Dinitrophenol	15.67	184	360629	48.17	ng/ul	88
52) 4-Nitrophenol	15.80	109	352763	32.96	ng/ul#	69
53) Dibenzofuran	16.00	168	2424676	35.62	ng/ul	99
54) 2,4-Dinitrotoluene	15.94	165	757149	43.80	ng/ul#	93
55) 2,3,4,6-Tetrachlorophenol	16.23	232	464138	28.45	ng/ul#	70
56) Diethylphthalate	16.42	149	2197326	38.12	ng/ul	98
58) Fluorene	16.67	166	1926132	34.28	ng/ul	91
59) 4-Chlorophenyl-phenylether	16.65	204	910043	30.78	ng/ul	99
60) 4-Nitroaniline	16.67	138	600940	47.97	ng/ul#	76
63) 4,6-Dinitro-2-methylphenol	16.75	198	505288	64.76	ng/ul#	99
64) N-Nitrosodiphenylamine	16.86	169	1601822	47.60	ng/ul	96
65) 4-Bromophenyl-phenylether	17.58	248	542567	39.97	ng/ul	97
66) Hexachlorobenzene	17.73	284	588702	38.50	ng/ul#	82
67) Atrazine	17.86	200	588127	41.98	ng/ul	88
68) Pentachlorophenol	18.08	266	402726	42.06	ng/ul	98
69) Phenanthrene	18.46	178	2442777	37.04	ng/ul	97
71) Anthracene	18.56	178	2510935	37.51	ng/ul	96
72) Carbazole	18.83	167	2527083	42.47	ng/ul	97
73) Di-n-butylphthalate	19.40	149	3276701	48.69	ng/ul#	94
74) Fluoranthene	20.52	202	2707501	32.55	ng/ul#	94
77) Pyrene	20.89	202	2483880	41.06	ng/ul#	82
78) Butylbenzylphthalate	21.79	149	1955507	84.22	ng/ul	92
79) 3,3'-Dichlorobenzidine	22.68	252	876262	38.68	ng/ul#	97
80) Benzo(a)anthracene	22.77	228	2437430	36.18	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	22.68	149	2328554	69.55	ng/ul#	84
82) Chrysene	22.83	228	2197678	34.15	ng/ul	99
84) Di-n-octyl phthalate	22.68	149	2328554	44.92	ng/ul#	58
85) Benzo(b)fluoranthene	24.91	252	2606967	43.29	ng/ul#	93
86) Benzo(k)fluoranthene	24.99	252	2124428	36.67	ng/ul#	97
88) Benzo(a)pyrene	25.74	252	2269358	39.27	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	29.17	276	2296991	35.98	ng/ul#	83
90) Dibenzo(a,h)anthracene	29.21	278	1915380	36.44	ng/ul#	88
91) Benzo(g,h,i)perylene	30.19	276	1831481	34.20	ng/ul#	85

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

