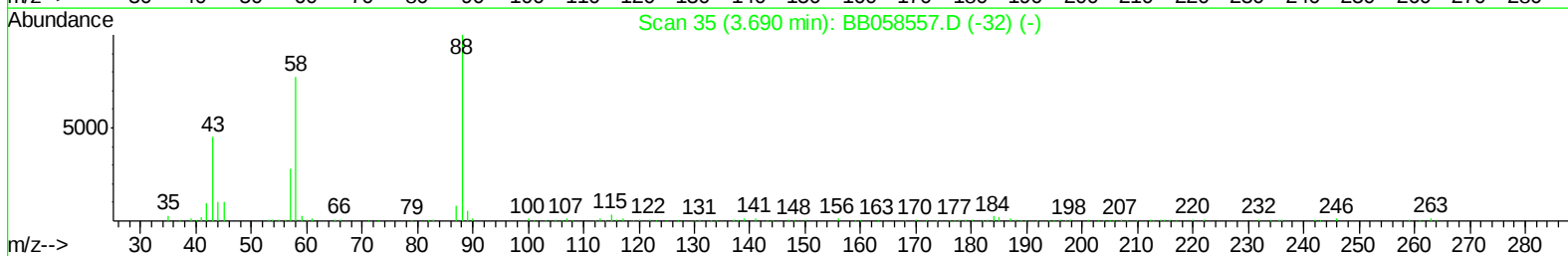
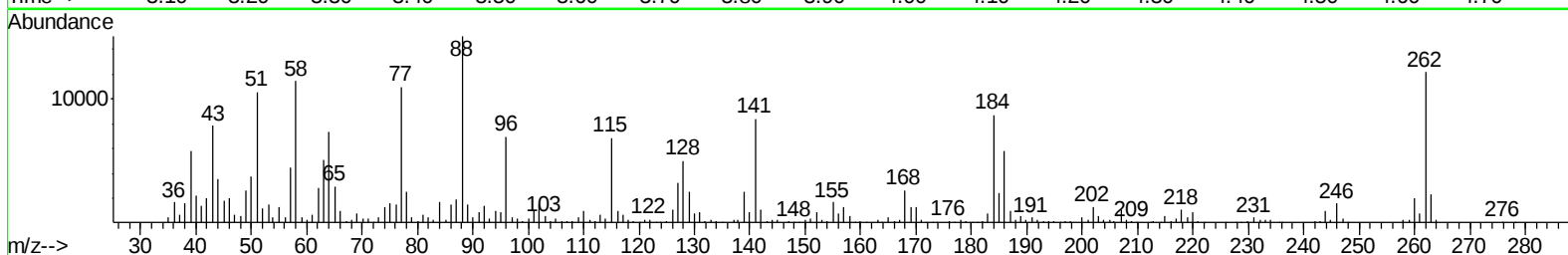
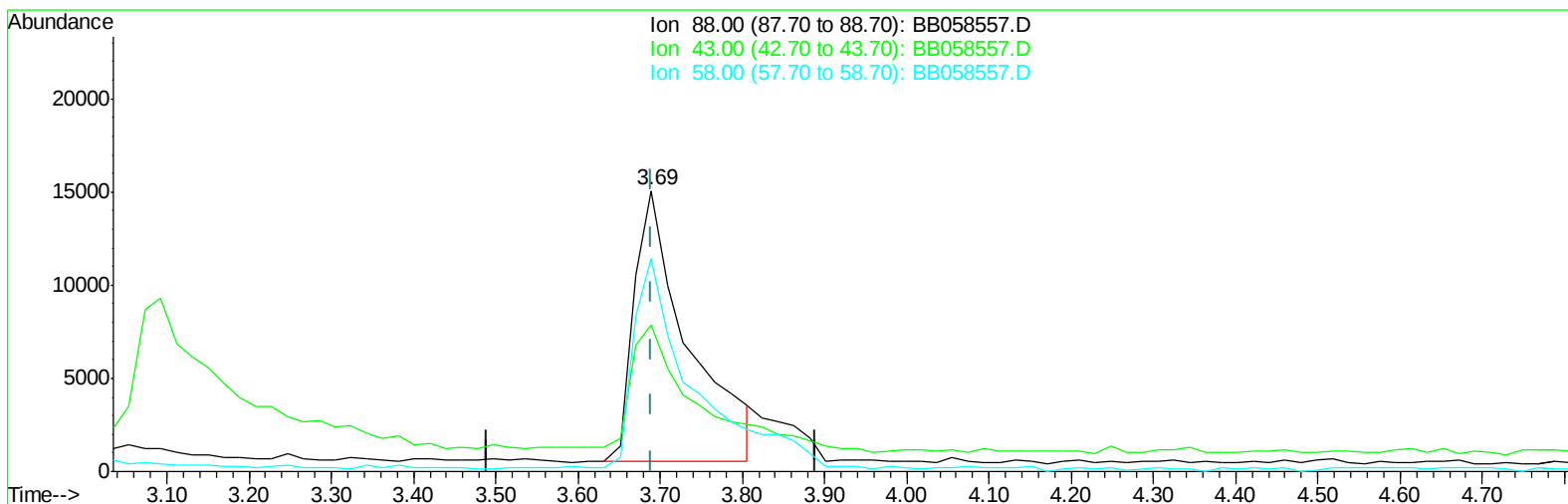


Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

(2) 1,4-Dioxane

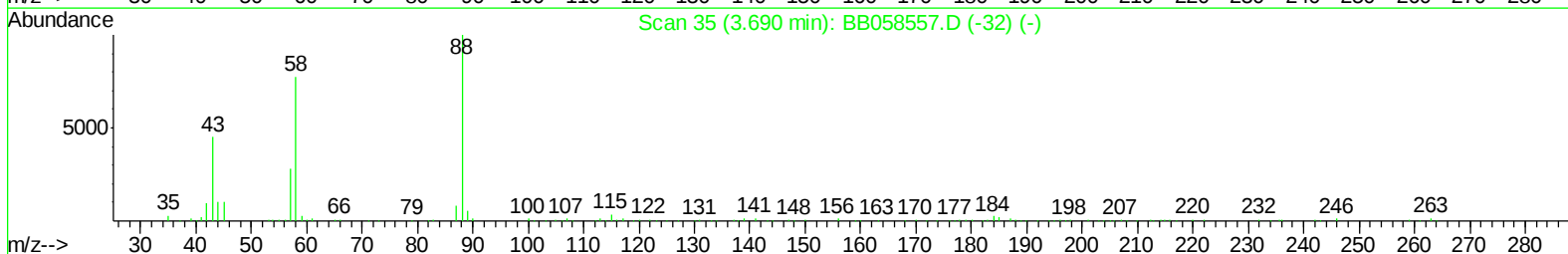
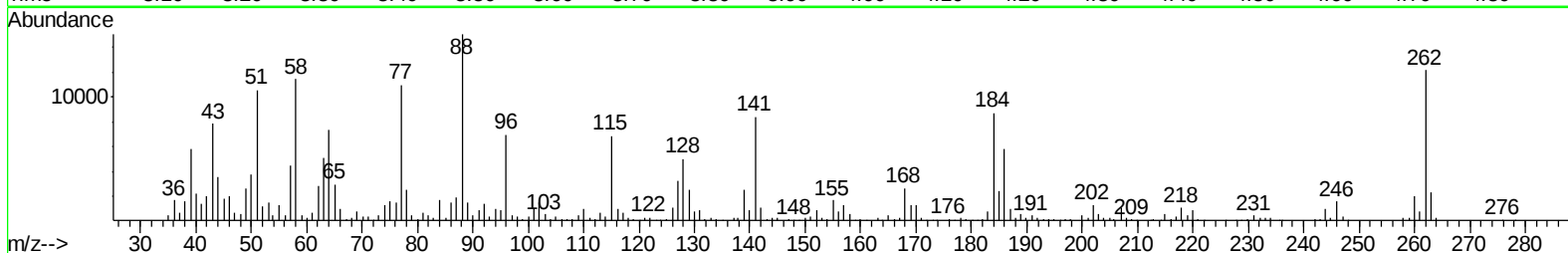
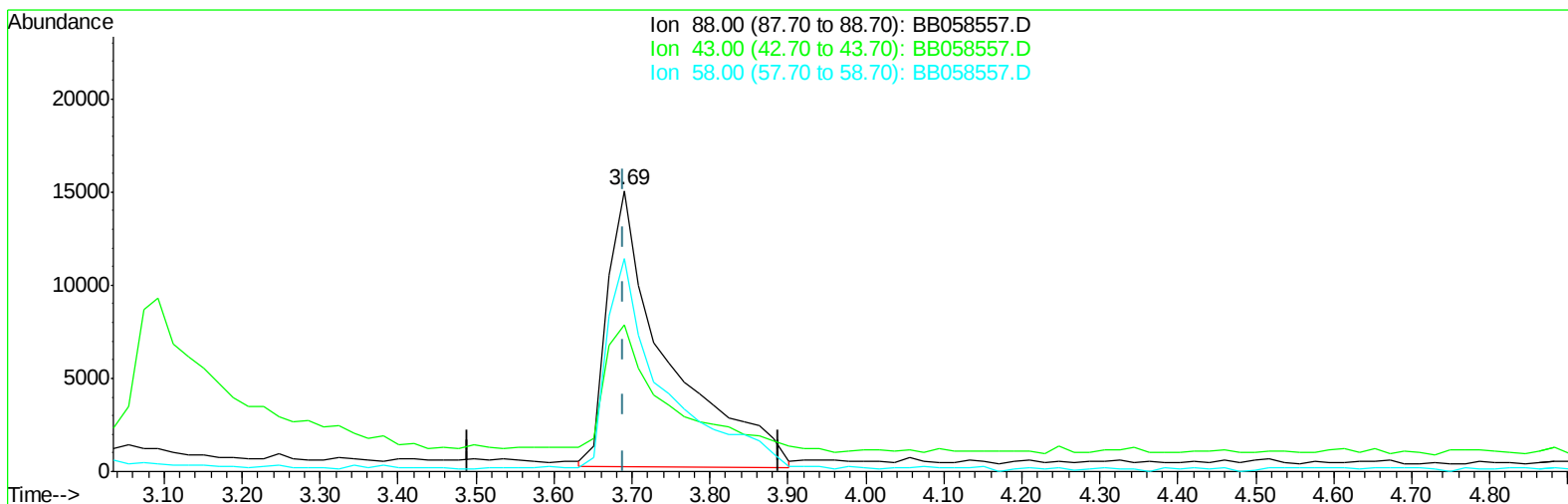
3.690min (0.000) 8.32ng/uL

response 66048

Ion	Exp%	Act%
88.00	100	100
43.00	28.30	45.23#
58.00	71.60	75.25
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

(2) 1,4-Dioxane

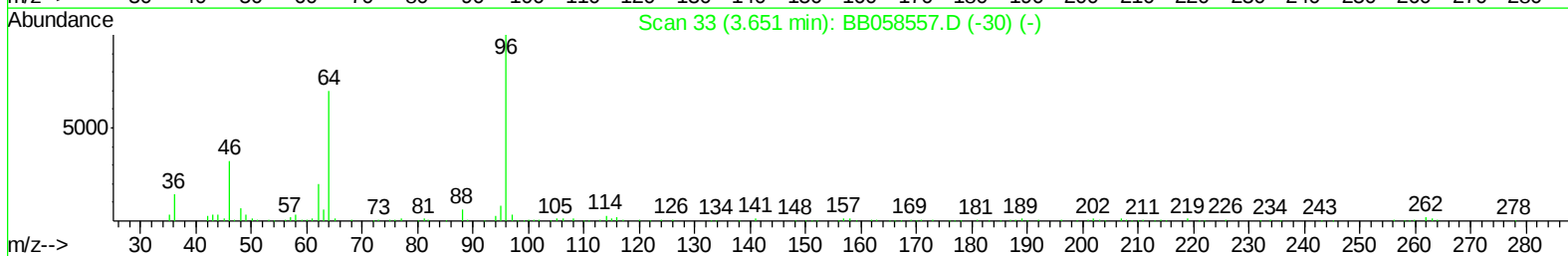
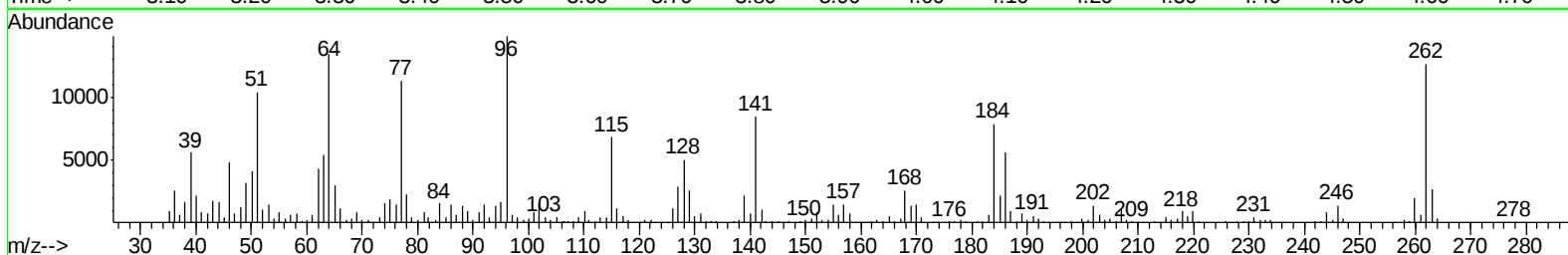
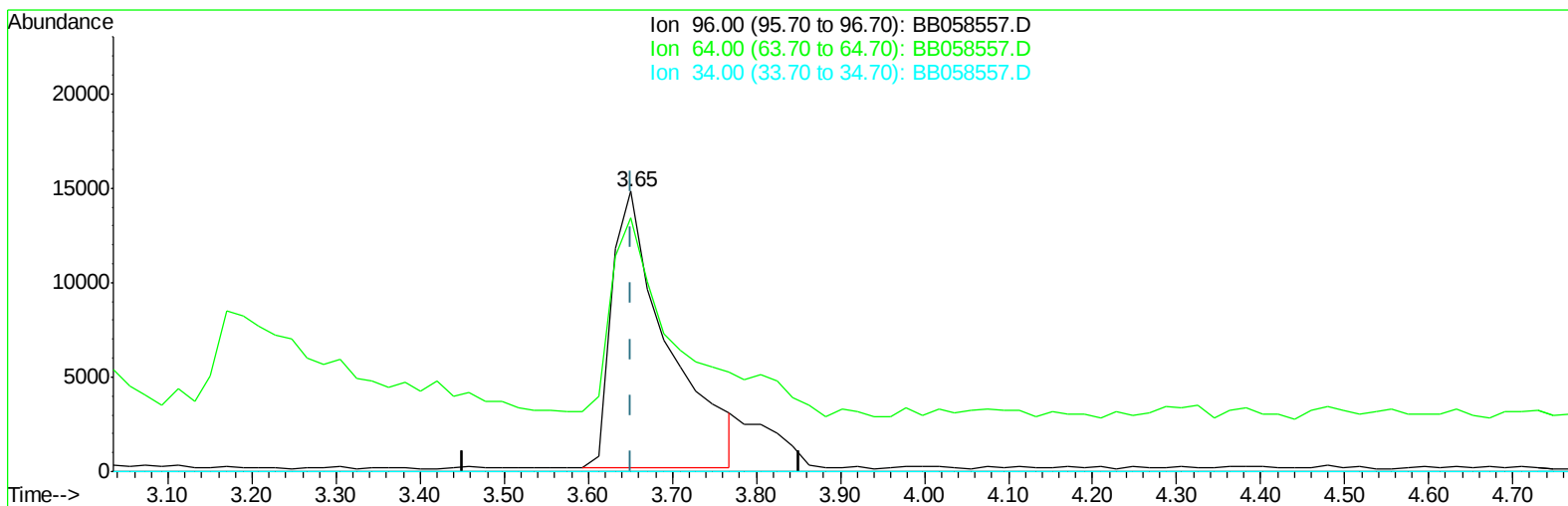
3.690min (0.000) 10.07ng/uL m

response 79895

Ion	Exp%	Act%
88.00	100	100
43.00	28.30	37.39#
58.00	71.60	62.21
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

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

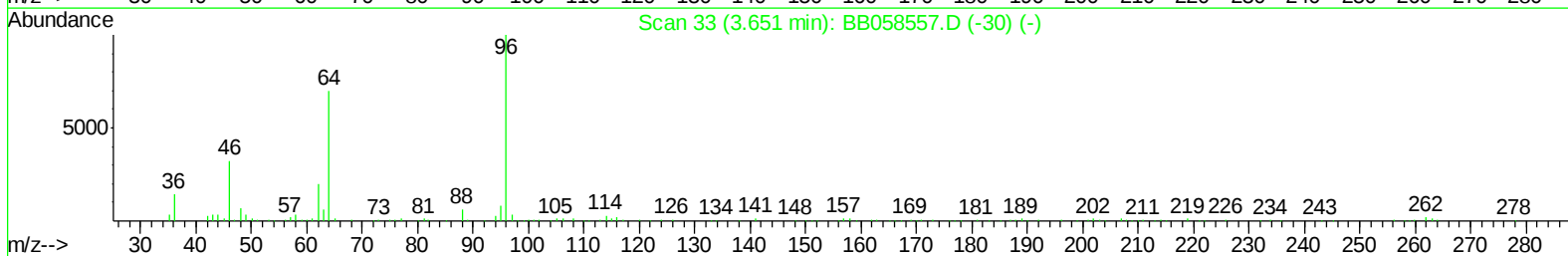
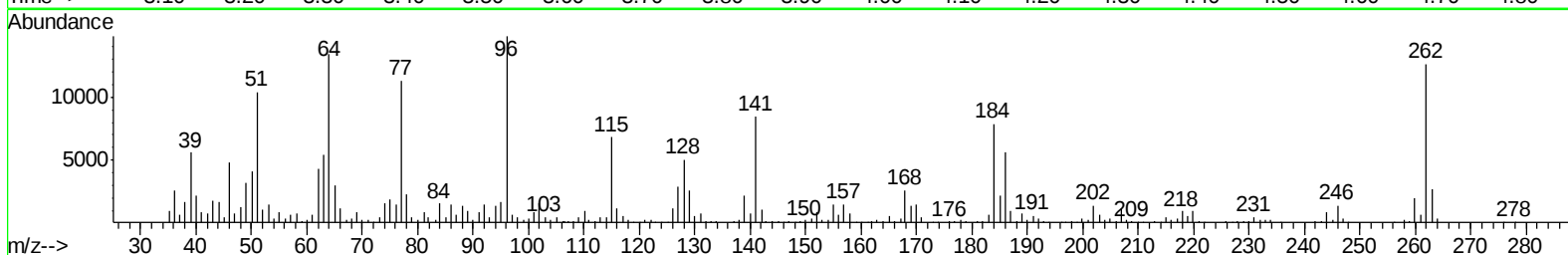
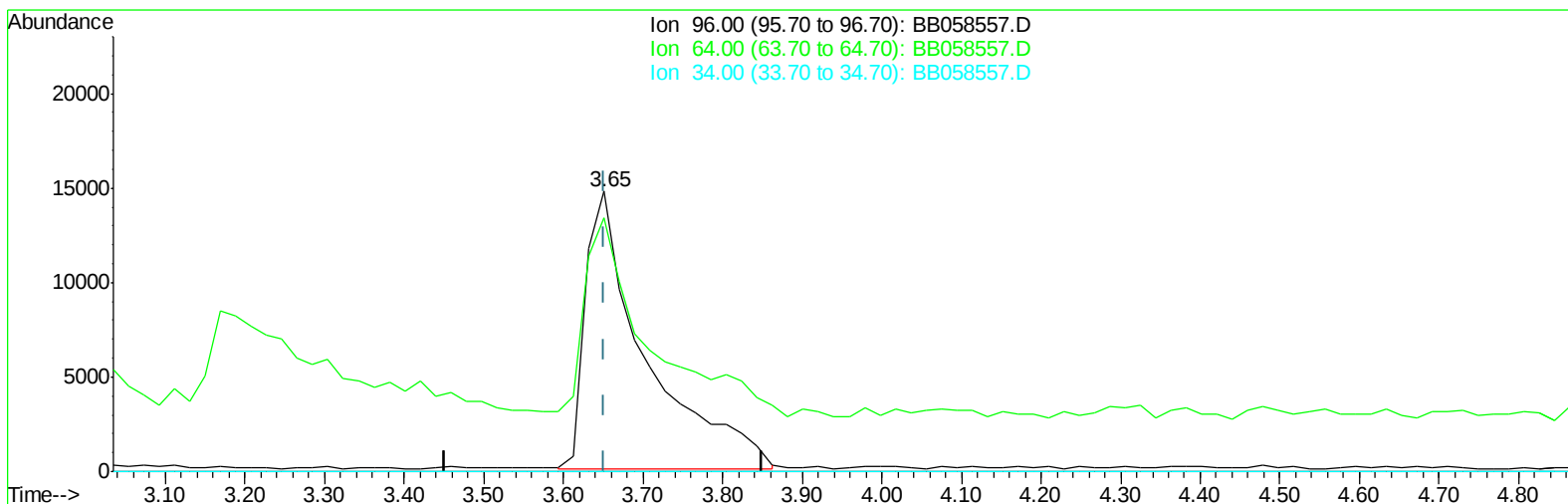
3.651min (0.000) 9.01ng/uL

response 68185

Ion	Exp%	Act%
96.00	100	100
64.00	68.70	68.87
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

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

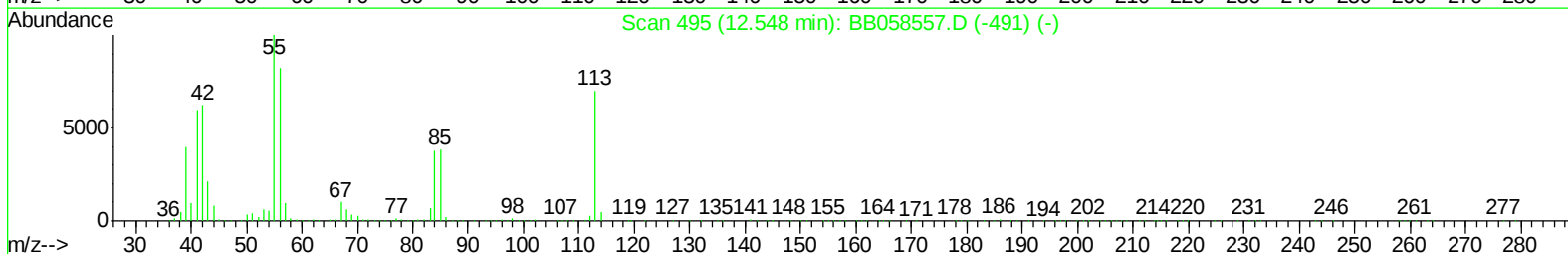
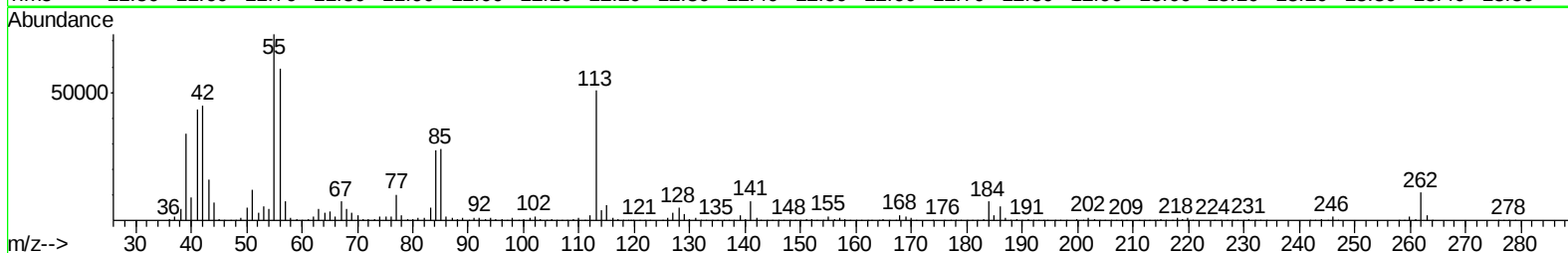
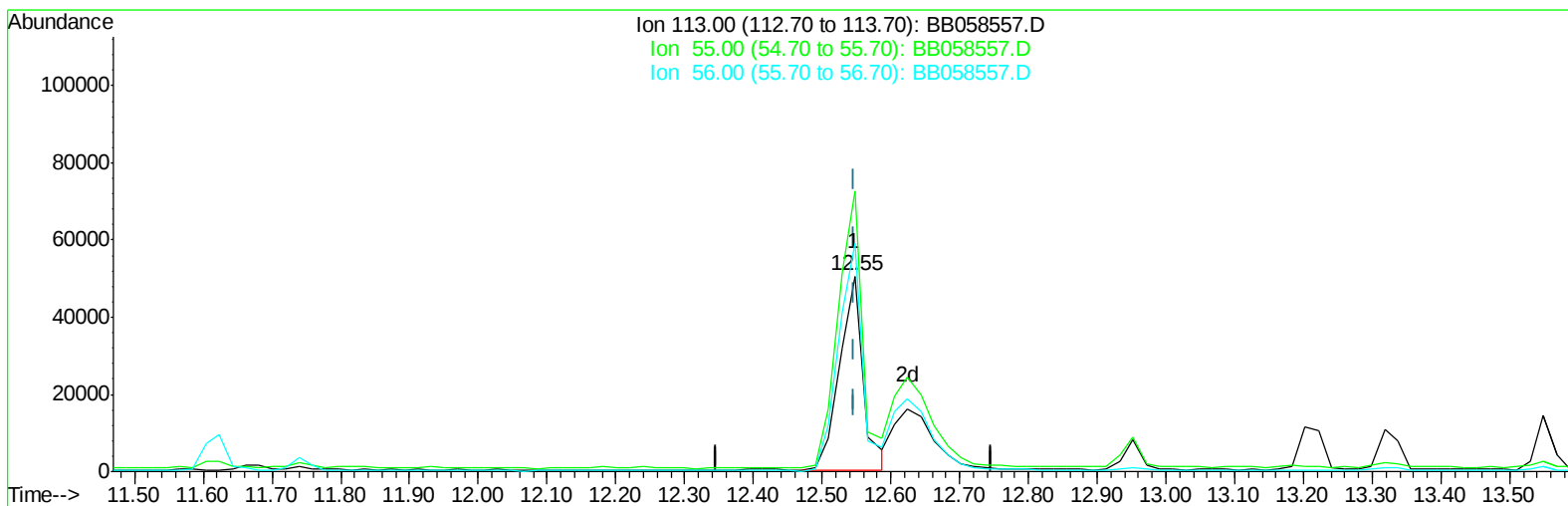
3.651min (0.000) 10.27ng/uL m

response 77731

Ion	Exp%	Act%
96.00	100	100
64.00	68.70	60.41
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

(32) Caprolactam

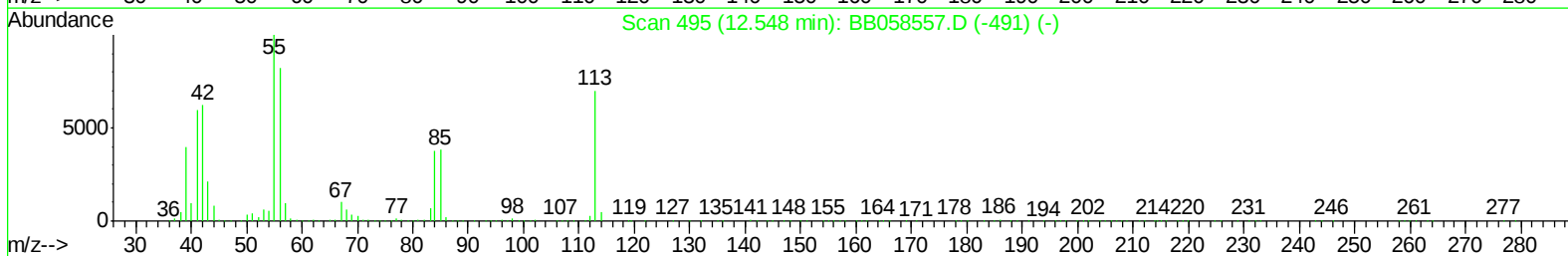
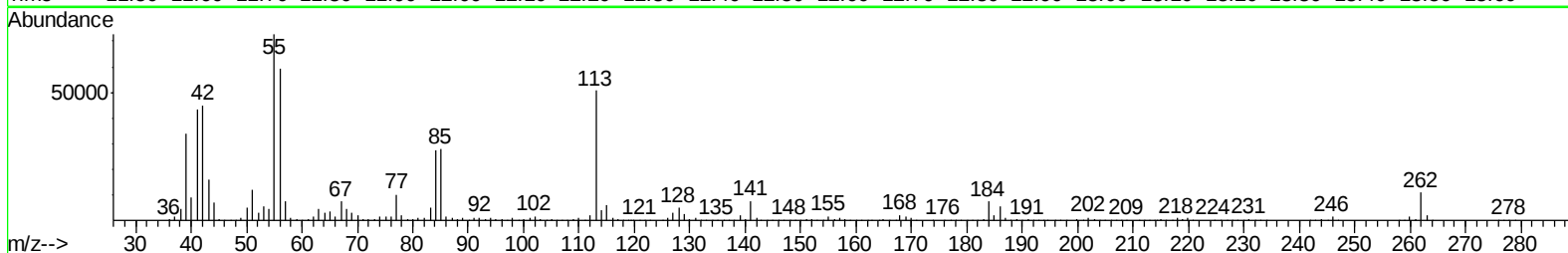
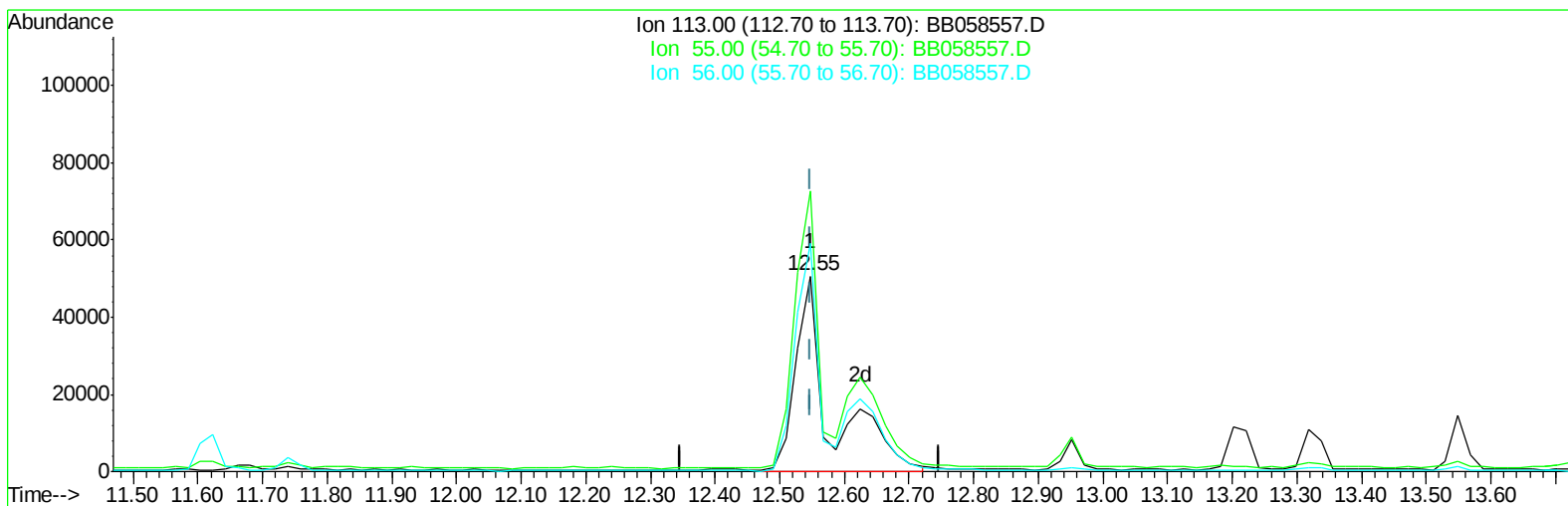
12.548min (0.000) 14.64ng/ul

response 120708

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	143.55
56.00	121.70	116.87
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

(32) Caprolactam

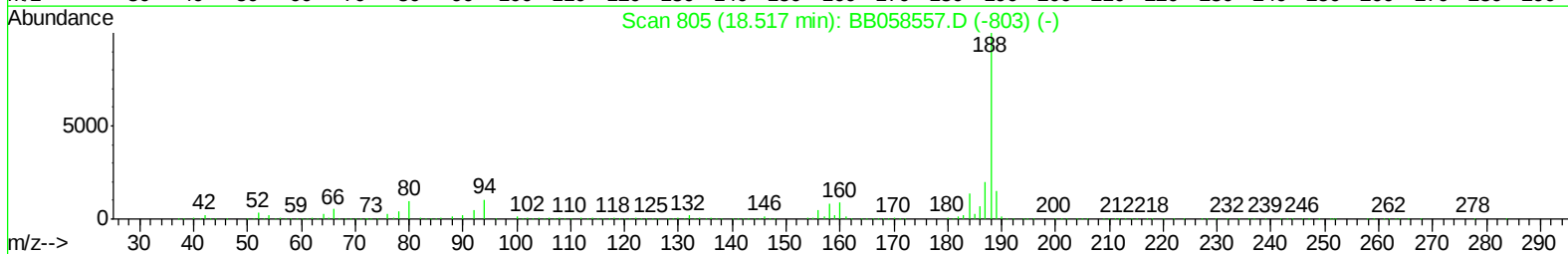
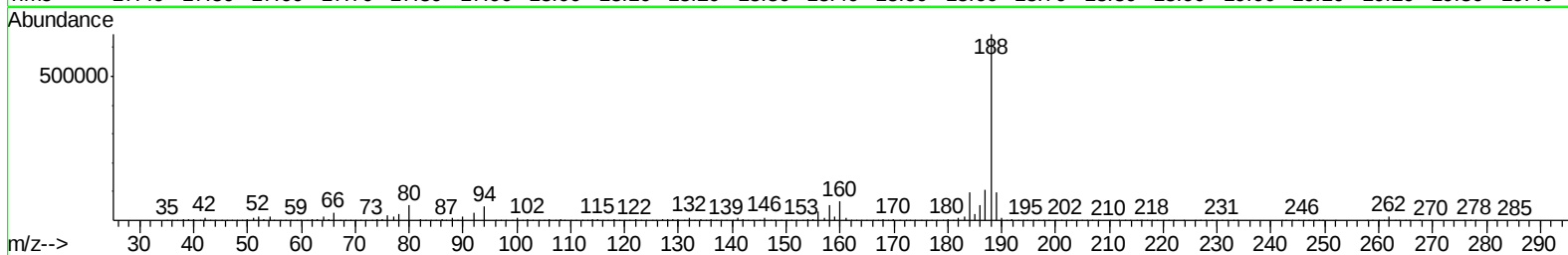
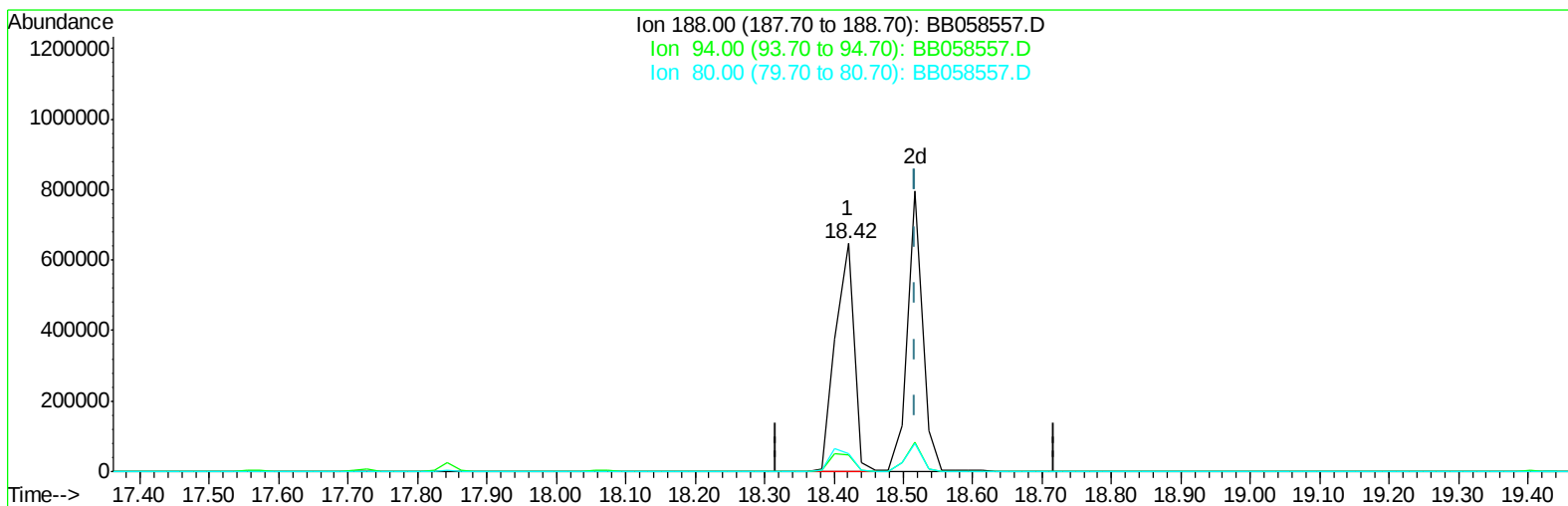
12.548min (0.000) 23.18ng/ul m

response 191134

Ion	Exp%	Act%
113.00	100	100
55.00	152.40	143.55
56.00	121.70	116.87
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

(70) Anthracene-d10 (S)

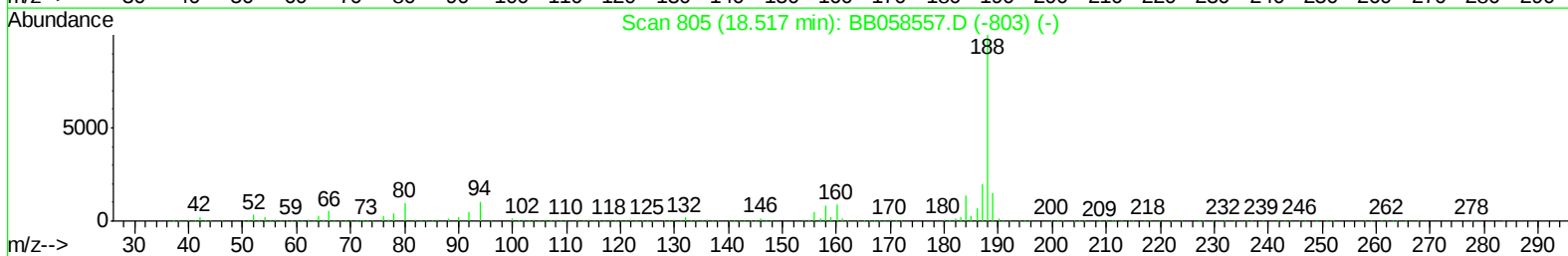
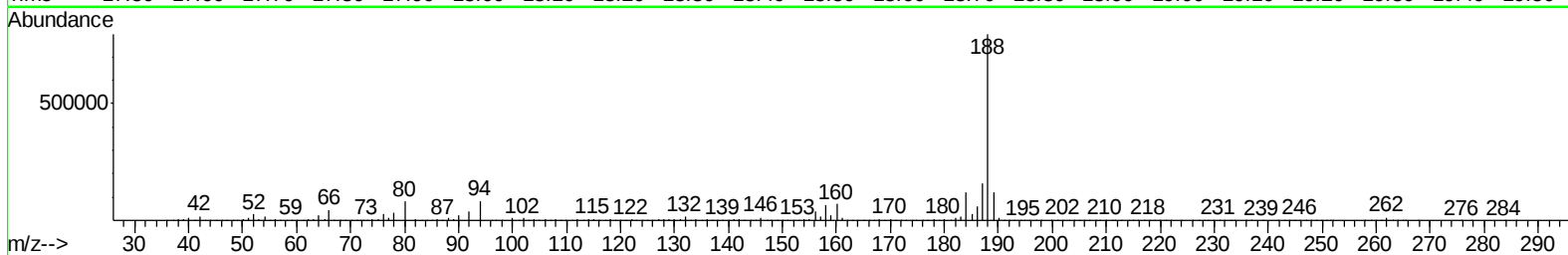
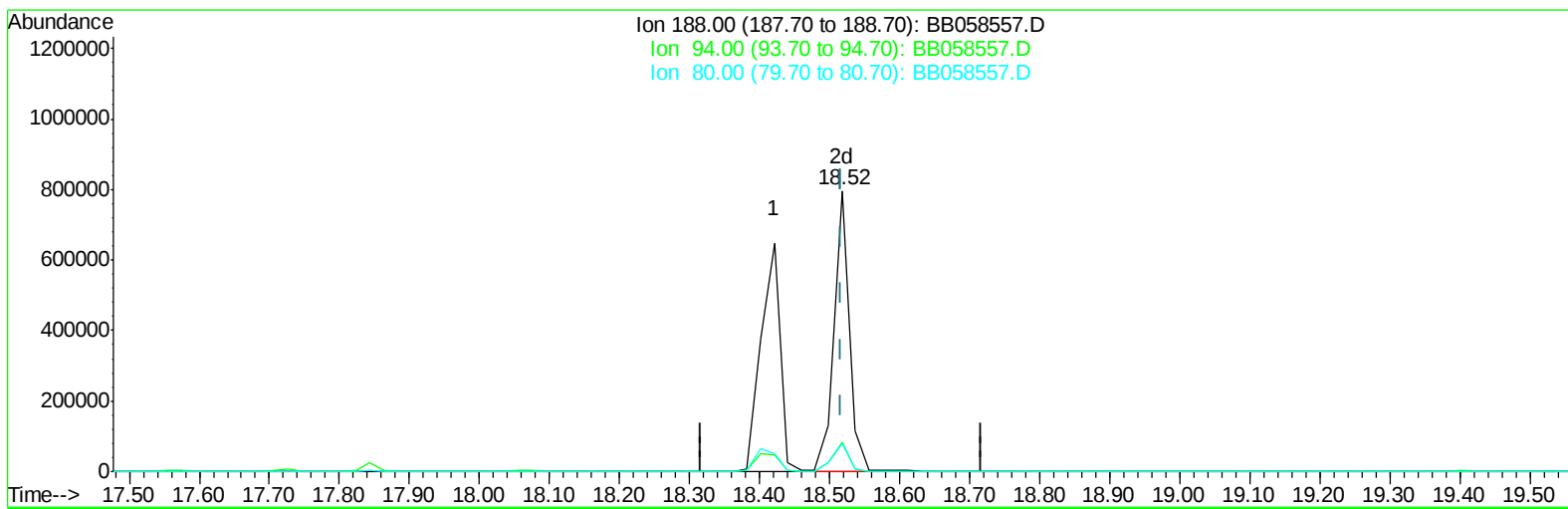
18.421min (-0.096) 21.76ng/ul

response 1220751

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	7.42
80.00	7.90	7.99
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058557.D
Acq On : 29 Sep 2016 13:46
Operator : UM/SJ
Sample : SSTD02069
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 14:59:22 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: BB058557.D

(70) Anthracene-d10 (S)

18.517min (0.000) 21.50ng/ul m

response 1205813

Ion	Exp%	Act%
188.00	100	100
94.00	8.80	10.58#
80.00	7.90	9.98#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
 Data File : BB058557.D
 Acq On : 29 Sep 2016 13:46
 Operator : UM/SJ
 Sample : SST02069
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 15:05:18 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	372084	20.00	ng/ul	0.00
18) Naphthalene-d8	11.62	136	1412616	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	790213	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.42	188	1220751	20.00	ng/ul	0.00
75) Chrysene-d12	22.79	240	1154336	20.00	ng/ul	0.00
83) Perylene-d12	25.85	264	1053569	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	77731m	10.27	ng/uL	0.00
5) Phenol-d5	7.79	99	594848	18.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.95	67	400703	22.57	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	565646	23.58	ng/ul	0.00
13) 4-Methylphenol-d8	9.45	113	448255	15.90	ng/ul	0.00
19) Nitrobenzene-d5	9.89	128	289983	28.71	ng/ul	0.00
22) 2-Nitrophenol-d4	10.64	143	328887	28.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.24	165	450017	19.69	ng/ul	0.00
29) 4-Chloroaniline-d4	11.74	131	505317	21.05	ng/ul	0.00
43) Dimethylphthalate-d6	14.95	166	1120565	19.50	ng/ul	0.00
46) Acenaphthylene-d8	15.24	160	1344787	20.16	ng/ul	0.00
51) 4-Nitrophenol-d4	15.76	143	251248	24.76	ng/ul	0.00
57) Fluorene-d10	16.59	176	860665	17.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.73	200	222836	29.91	ng/ul	0.00
70) Anthracene-d10	18.52	188	1205813m	21.50	ng/ul	0.00
76) Pyrene-d10	20.85	212	1099702	24.01	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.64	264	961905	20.63	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.69	88	79895m	10.07	ng/ul
4) Benzaldehyde	7.73	77	409103	18.47	ng/ul
6) Phenol	7.83	94	580949	17.34	ng/ul
8) Bis(2-Chloroethyl)ether	8.04	93	498199	20.76	ng/ul
10) 2-Chlorophenol	8.21	128	524862	21.82	ng/ul
11) 2-Methylphenol	9.16	108	439638	17.02	ng/ul
12) 2,2'-oxybis(1-Chloropropan	9.24	45	892883	34.20	ng/ul#
14) Acetophenone	9.52	105	653212	15.22	ng/ul#
15) N-Nitroso-di-n-propylamine	9.54	70	400849	18.39	ng/ul#
16) 4-Methylphenol	9.51	108	457251	15.82	ng/ul
17) Hexachloroethane	9.83	117	243308	24.73	ng/ul#
20) Nitrobenzene	9.93	77	541102	20.91	ng/ul#
21) Isophorone	10.49	82	1086277	21.94	ng/ul#
23) 2-Nitrophenol	10.68	139	320996	26.89	ng/ul#
24) 2,4-Dimethylphenol	10.76	107	515676	18.67	ng/ul
25) Bis(2-Chloroethoxy)methane	10.99	93	575147	20.36	ng/ul#
27) 2,4-Dichlorophenol	11.26	162	425021	18.87	ng/ul
28) Naphthalene	11.66	128	1386816	20.32	ng/ul
30) 4-Chloroaniline	11.78	127	488173	19.43	ng/ul
31) Hexachlorobutadiene	12.01	225	228287	13.87	ng/ul
32) Caprolactam	12.55	113	191134m	23.18	ng/ul
33) 4-Chloro-3-methylphenol	12.95	107	452169	16.49	ng/ul
34) 2-Methylnaphthalene	13.32	142	933587	17.43	ng/ul

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
 Data File : BB058557.D
 Acq On : 29 Sep 2016 13:46
 Operator : UM/SJ
 Sample : SSTD02069
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 29 15:05:18 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	409958	17.60	ng/ul#	97
37) Hexachlorocyclopentadiene	13.72	237	209710	16.76	ng/ul#	97
38) 2,4,6-Trichlorophenol	13.95	196	282838	19.03	ng/ul	99
39) 2,4,5-Trichlorophenol	14.03	196	297042	18.26	ng/ul	99
40) 1,1'-Biphenyl	14.36	154	1075372	20.49	ng/ul	97
41) 2-Chloronaphthalene	14.40	162	842593	20.64	ng/ul	95
42) 2-Nitroaniline	14.59	65	320686	25.56	ng/ul#	91
44) Dimethylphthalate	14.99	163	1033787	18.54	ng/ul#	96
45) 2,6-Dinitrotoluene	15.11	165	285737	25.84	ng/ul	93
47) Acenaphthylene	15.28	152	1371813	20.71	ng/ul	99
48) 3-Nitroaniline	14.59	138	356363	31.71	ng/ul#	47
49) Acenaphthene	15.63	153	856507	18.81	ng/ul	95
50) 2,4-Dinitrophenol	15.65	184	147011	19.90	ng/ul#	1
52) 4-Nitrophenol	15.78	109	168524	15.96	ng/ul#	66
53) Dibenzofuran	15.98	168	1221350	18.18	ng/ul	93
54) 2,4-Dinitrotoluene	15.92	165	374722	21.97	ng/ul#	72
55) 2,3,4,6-Tetrachlorophenol	16.23	232	235873	14.65	ng/ul#	82
56) Diethylphthalate	16.42	149	1198342	21.07	ng/ul	98
58) Fluorene	16.65	166	983269	17.73	ng/ul	90
59) 4-Chlorophenyl-phenylether	16.65	204	463325	15.88	ng/ul	97
60) 4-Nitroaniline	16.65	138	281522	22.77	ng/ul#	77
63) 4,6-Dinitro-2-methylphenol	16.73	198	217379	28.42	ng/ul#	74
64) N-Nitrosodiphenylamine	16.86	169	892142	27.05	ng/ul	95
65) 4-Bromophenyl-phenylether	17.57	248	279930	21.04	ng/ul	97
66) Hexachlorobenzene	17.73	284	307363	20.51	ng/ul#	87
67) Atrazine	17.84	200	270221	19.68	ng/ul#	89
68) Pentachlorophenol	18.07	266	184232	19.63	ng/ul	98
69) Phenanthrene	18.46	178	1390763	21.51	ng/ul	100
71) Anthracene	18.56	178	1446273	22.04	ng/ul	99
72) Carbazole	18.83	167	1353677	23.21	ng/ul	99
73) Di-n-butylphthalate	19.40	149	2087418	31.64	ng/ul	99
74) Fluoranthene	20.52	202	1441405	17.68	ng/ul	97
77) Pyrene	20.89	202	1393829	24.61	ng/ul#	88
78) Butylbenzylphthalate	21.79	149	1068982	49.18	ng/ul#	89
79) 3,3'-Dichlorobenzidine	22.68	252	429741	20.26	ng/ul	98
80) Benzo(a)anthracene	22.75	228	1261880	20.01	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	22.68	149	1390164	44.35	ng/ul#	89
82) Chrysene	22.83	228	1197574	19.88	ng/ul	99
84) Di-n-octyl phthalate	22.68	149	1390164	27.32	ng/ul#	62
85) Benzo(b)fluoranthene	24.91	252	1231621	20.84	ng/ul#	97
86) Benzo(k)fluoranthene	24.97	252	1142275	20.09	ng/ul#	96
88) Benzo(a)pyrene	25.72	252	1142173	20.13	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	29.15	276	1151905	18.38	ng/ul#	83
90) Dibenzo(a,h)anthracene	29.19	278	955787	18.52	ng/ul#	91
91) Benzo(g,h,i)perylene	30.15	276	933563	17.76	ng/ul#	86

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

```
Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\  
Data File : BB058557.D  
Acq On    : 29 Sep 2016   13:46  
Operator  : UM/SJ  
Sample    : SSTD02069  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
```

Quant Time: Sep 29 15:05:18 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

