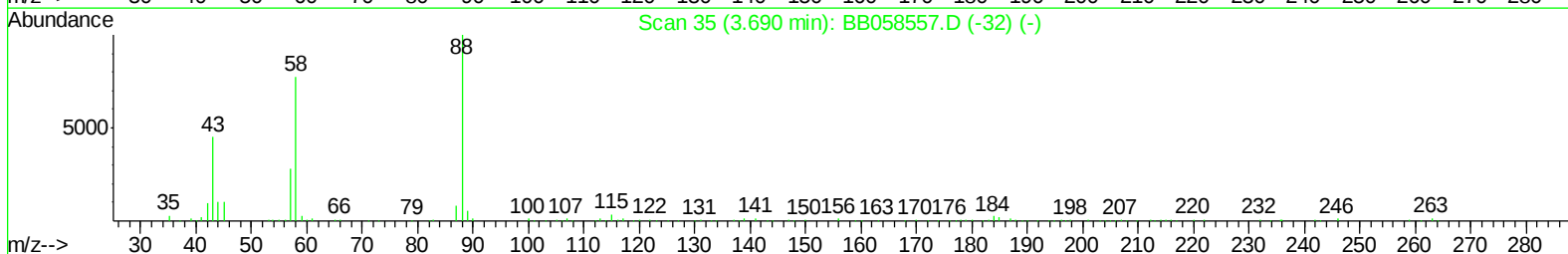
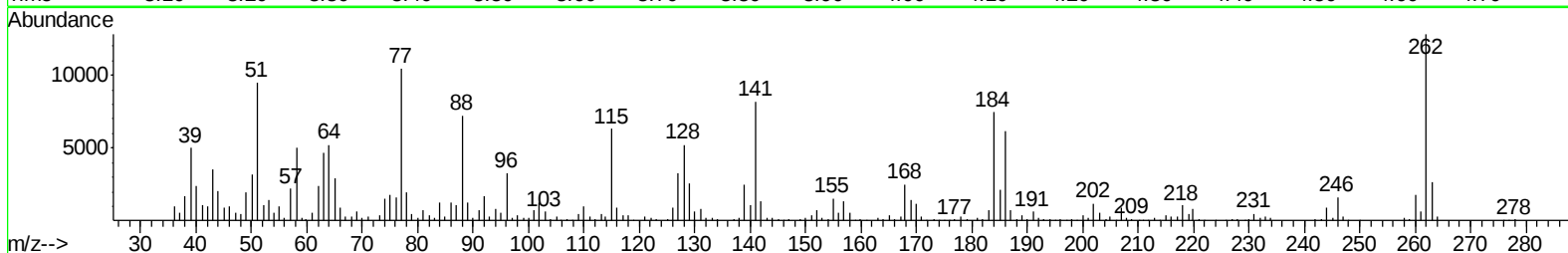
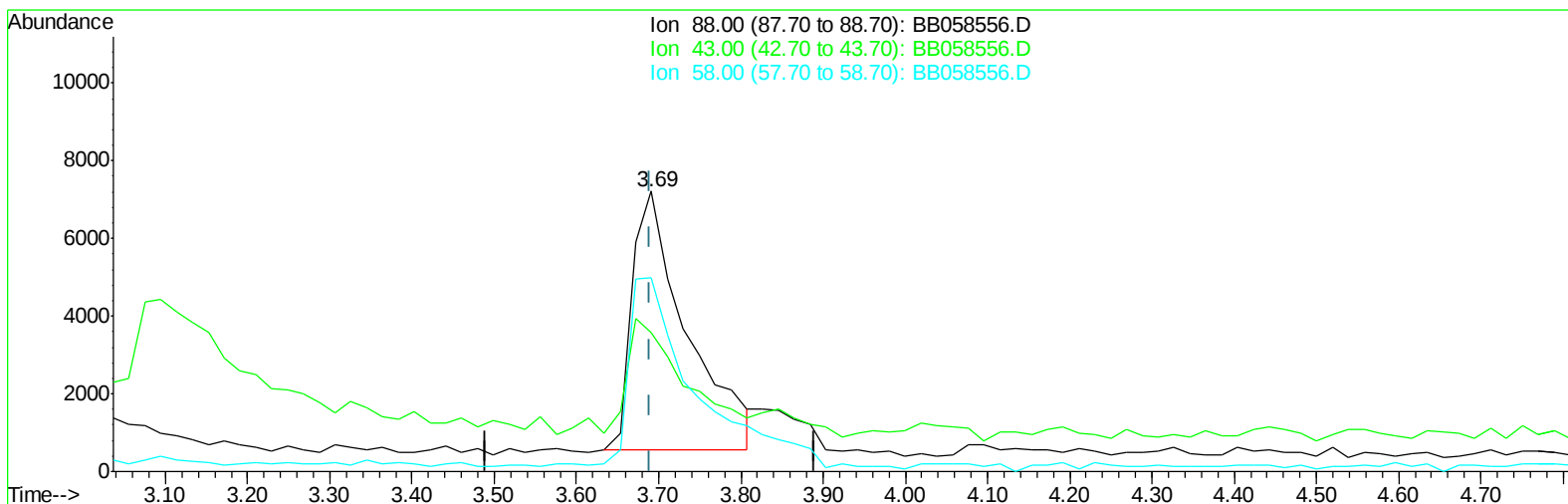


Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SSTD01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 14:59:14 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: BB058556.D

(2) 1,4-Dioxane

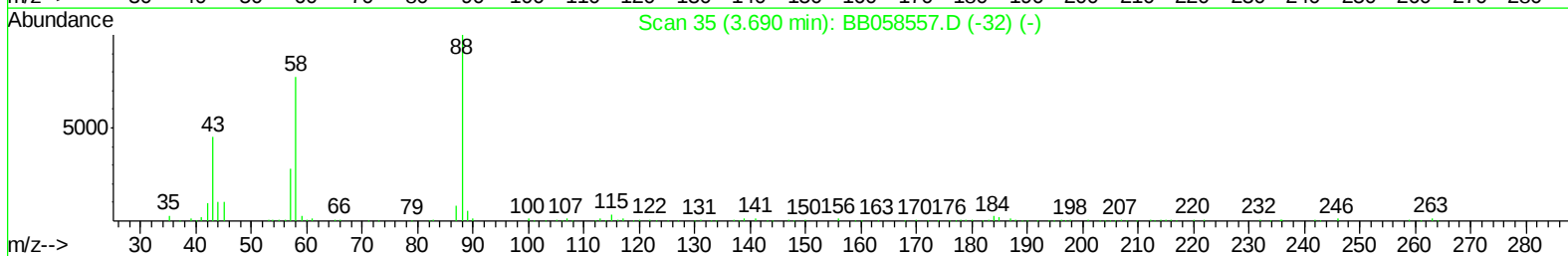
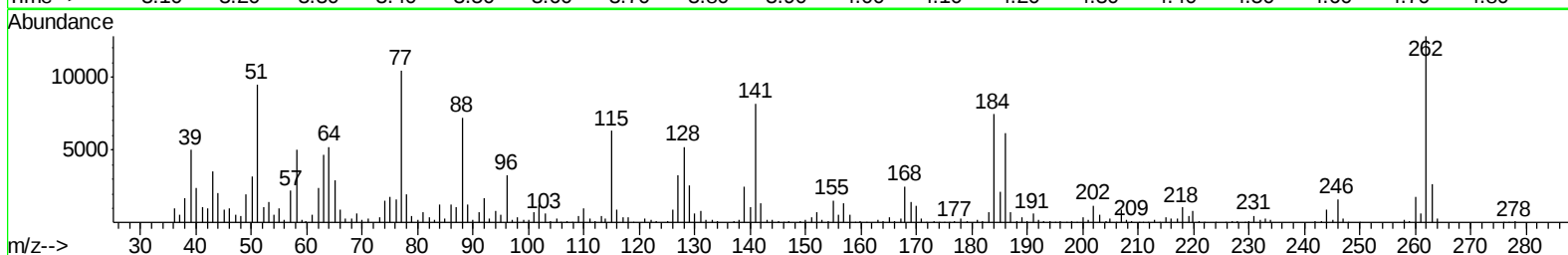
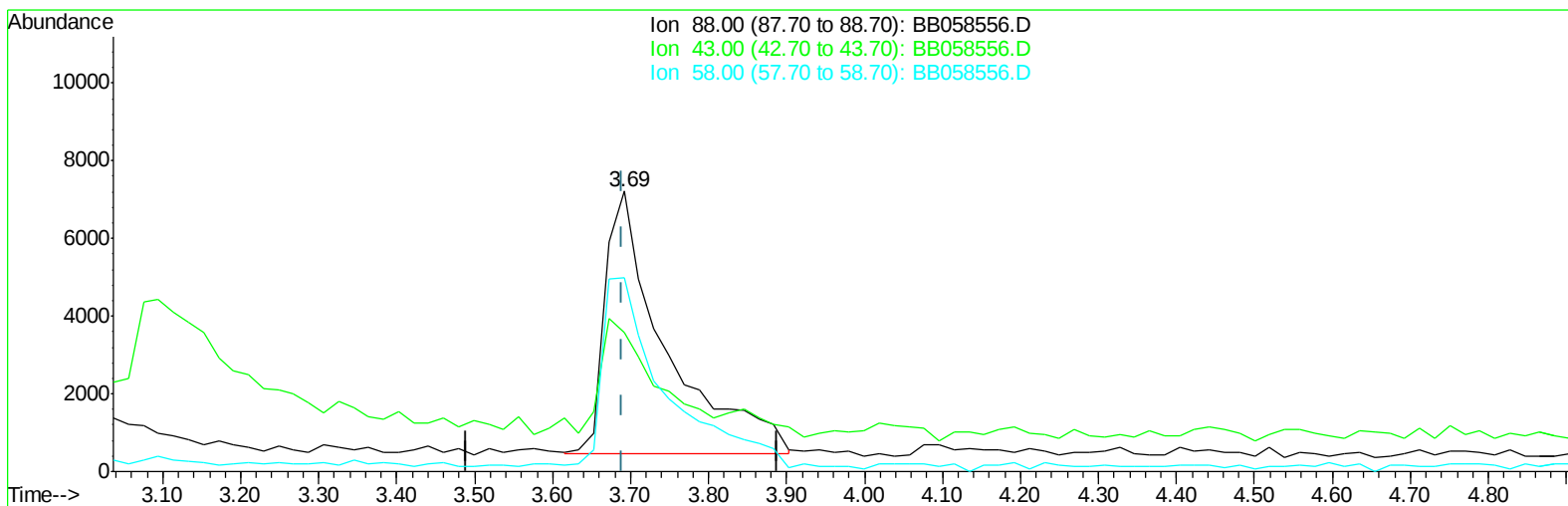
3.691min (+0.002) 4.02ng/uL

response 30617

Ion	Exp%	Act%
88.00	100	100
43.00	28.30	46.13#
58.00	71.60	76.90
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SST01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 14:59:14 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: BB058556.D

(2) 1,4-Dioxane

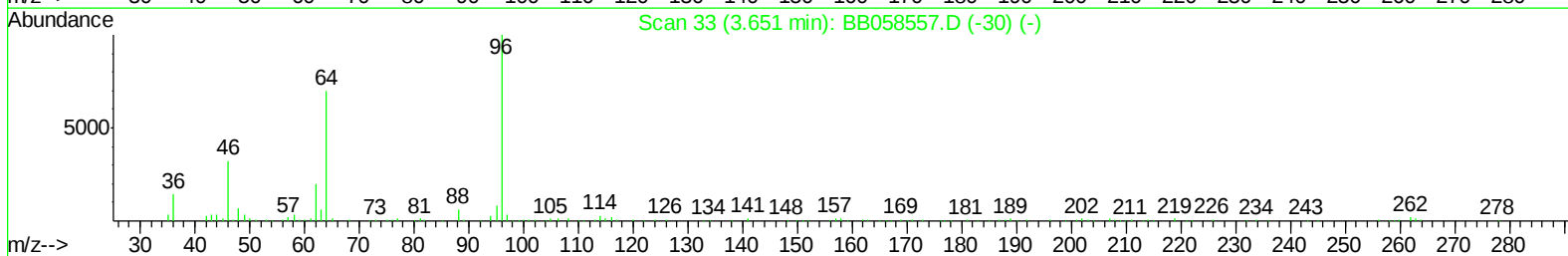
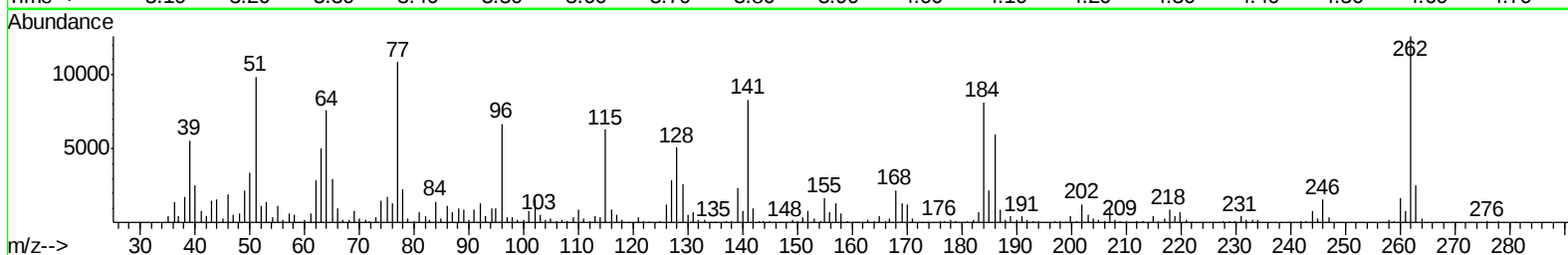
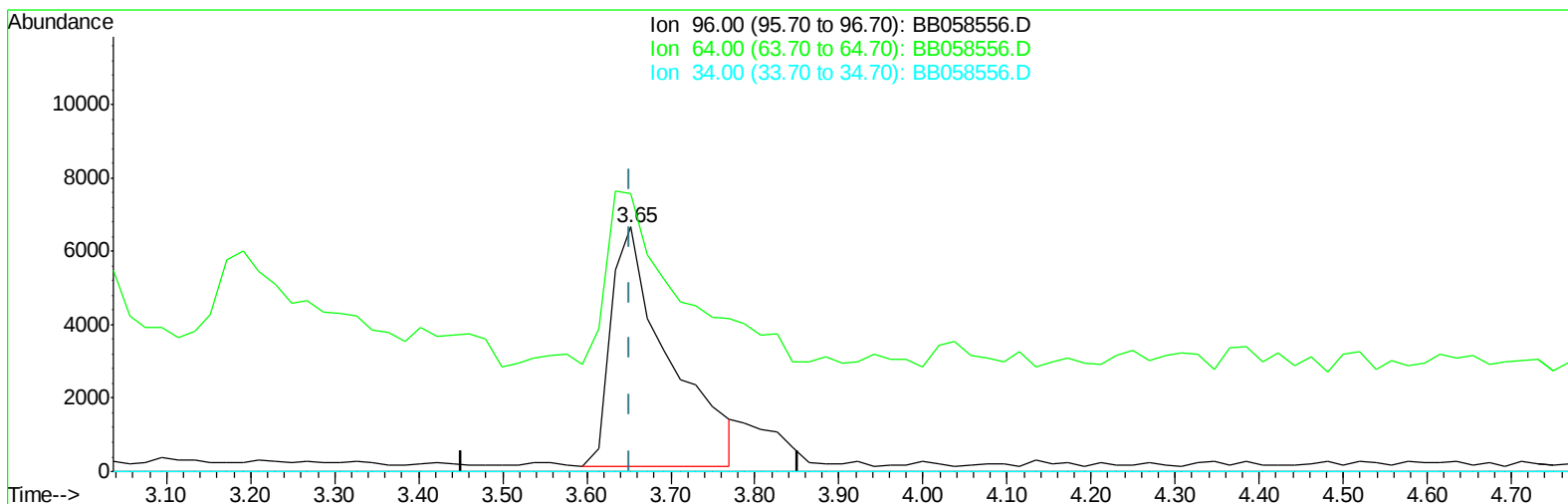
3.691min (+0.002) 4.80ng/uL m

response 36521

Ion	Exp%	Act%
88.00	100	100
43.00	28.30	38.67#
58.00	71.60	64.46
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SST01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 14:59:14 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: BB058556.D

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

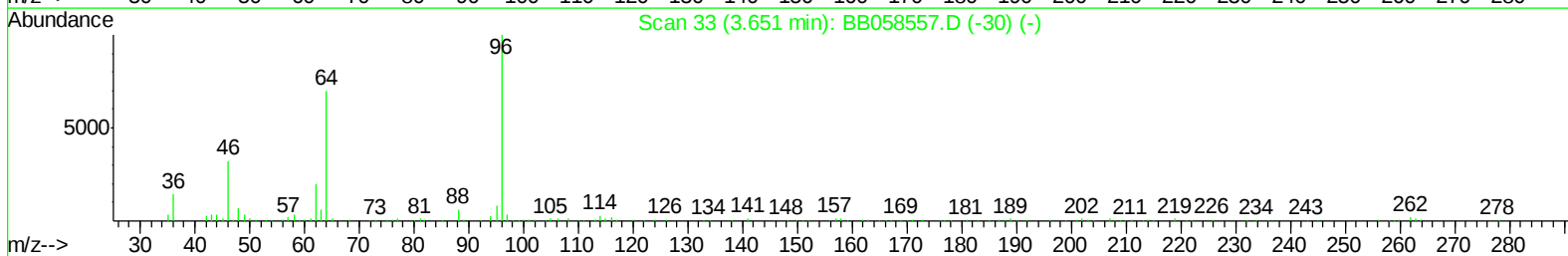
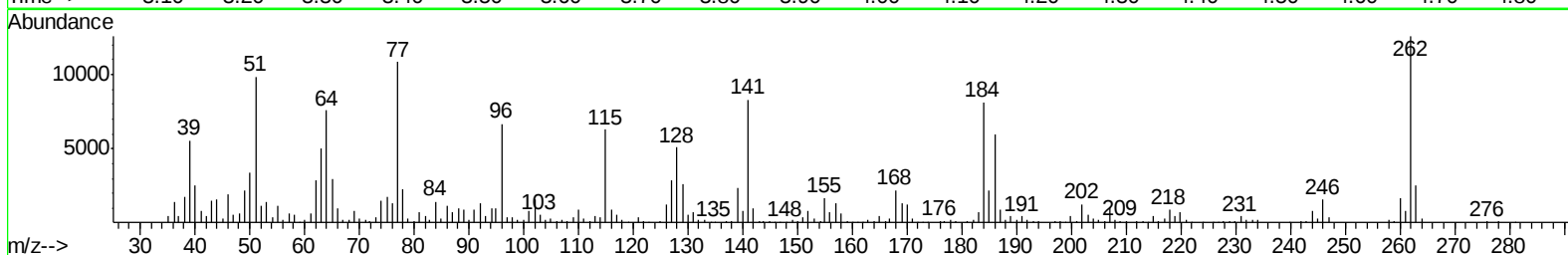
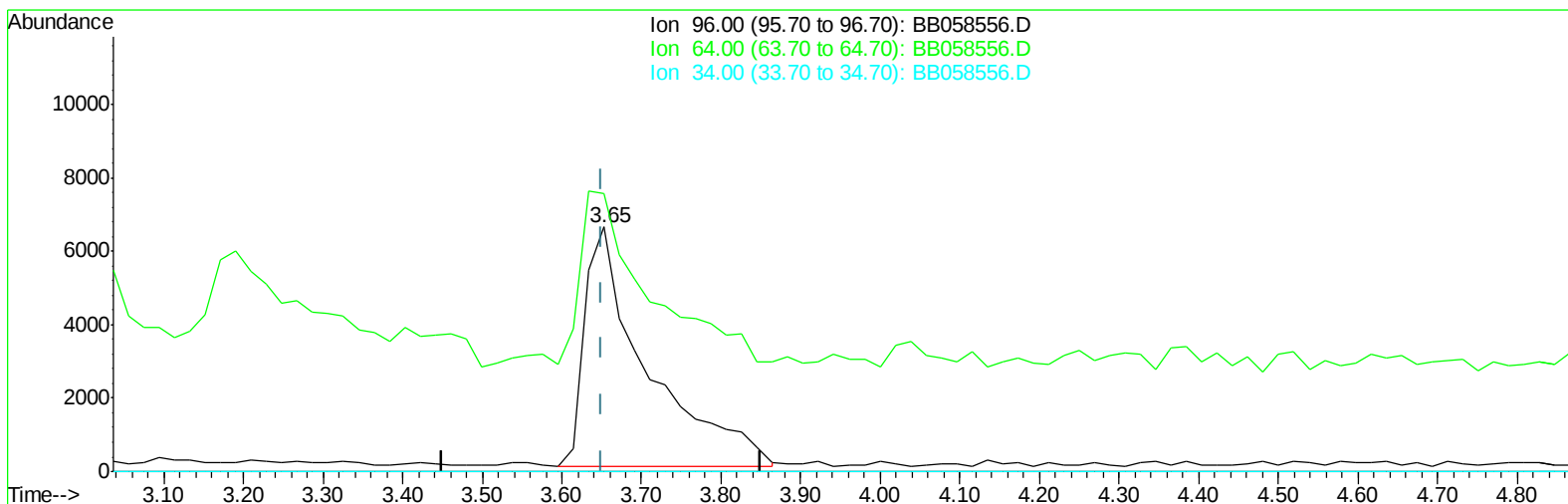
3.653min (+0.002) 4.29ng/uL

response 31133

Ion	Exp%	Act%
96.00	100	100
64.00	68.70	79.47
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SST01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 14:59:14 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: BB058556.D

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

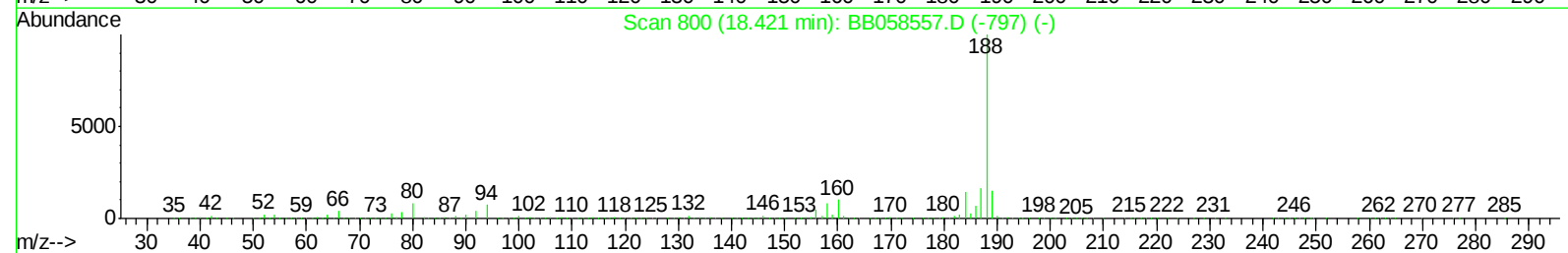
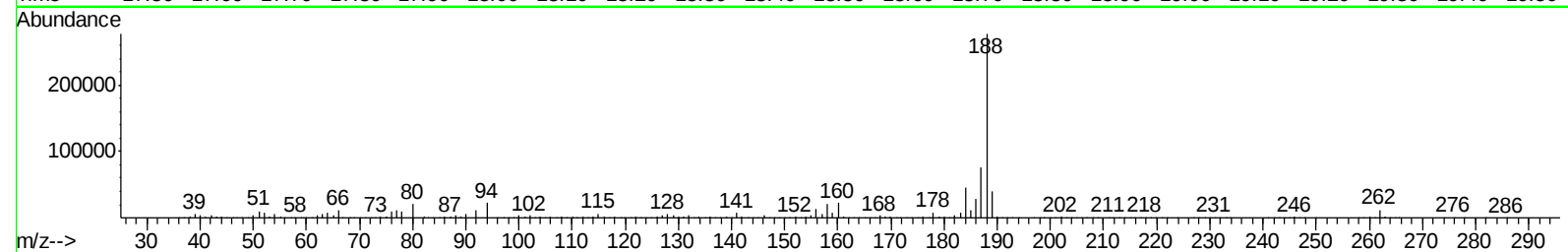
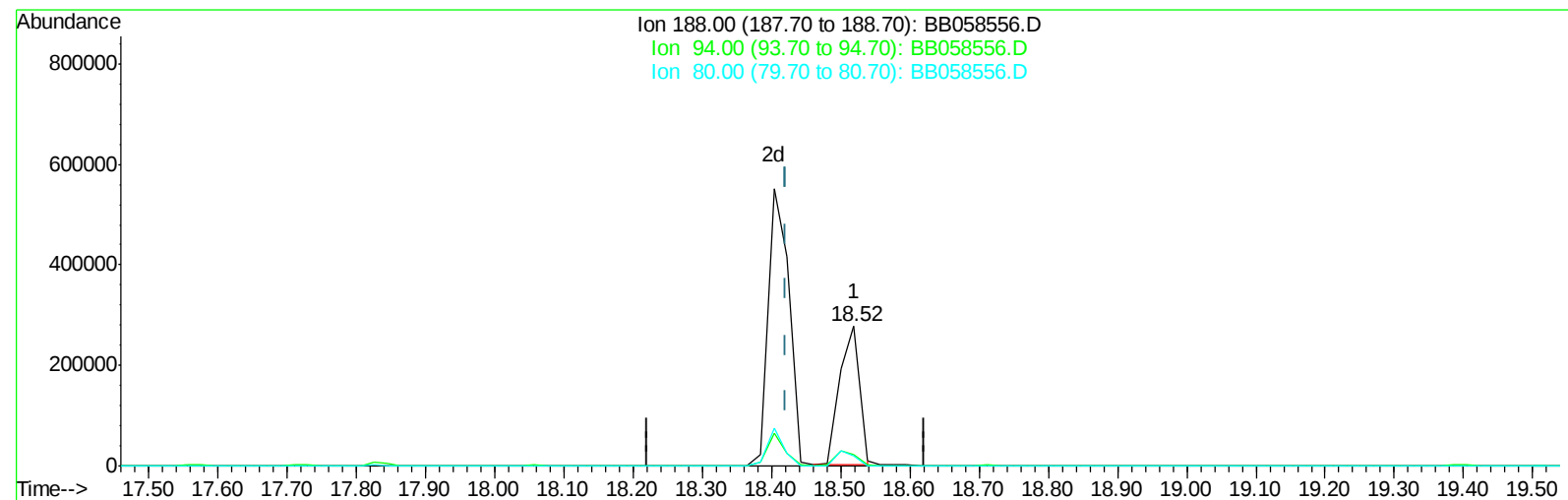
3.653min (+0.002) 4.89ng/uL m

response 35479

Ion	Exp%	Act%
96.00	100	100
64.00	68.70	69.74
34.00	0.00	0.00
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SSTD01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 14:59:14 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: BB058556.D

(61) Phenanthrene-d10 (I)

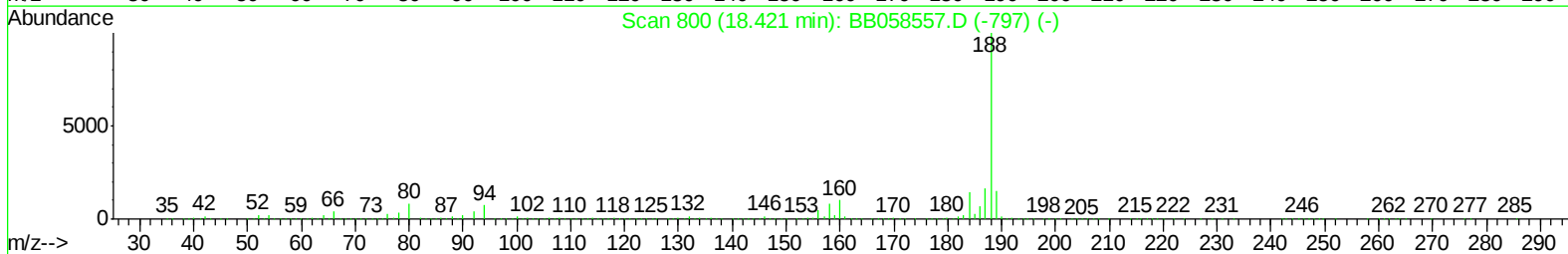
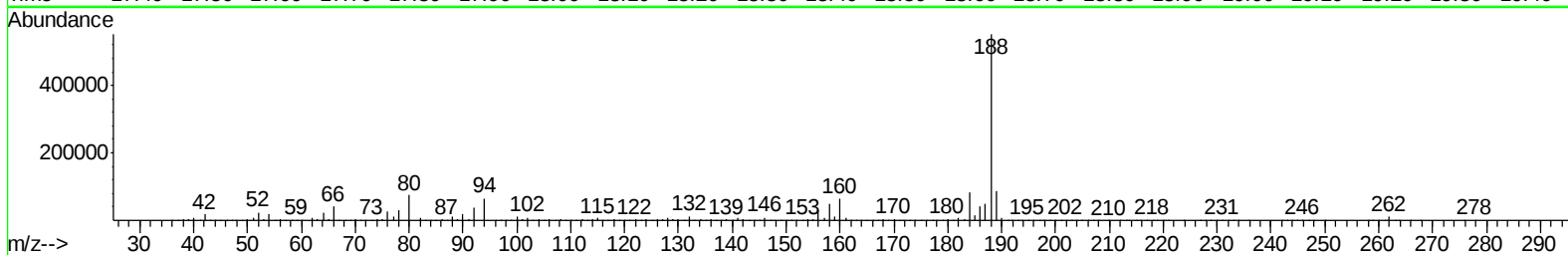
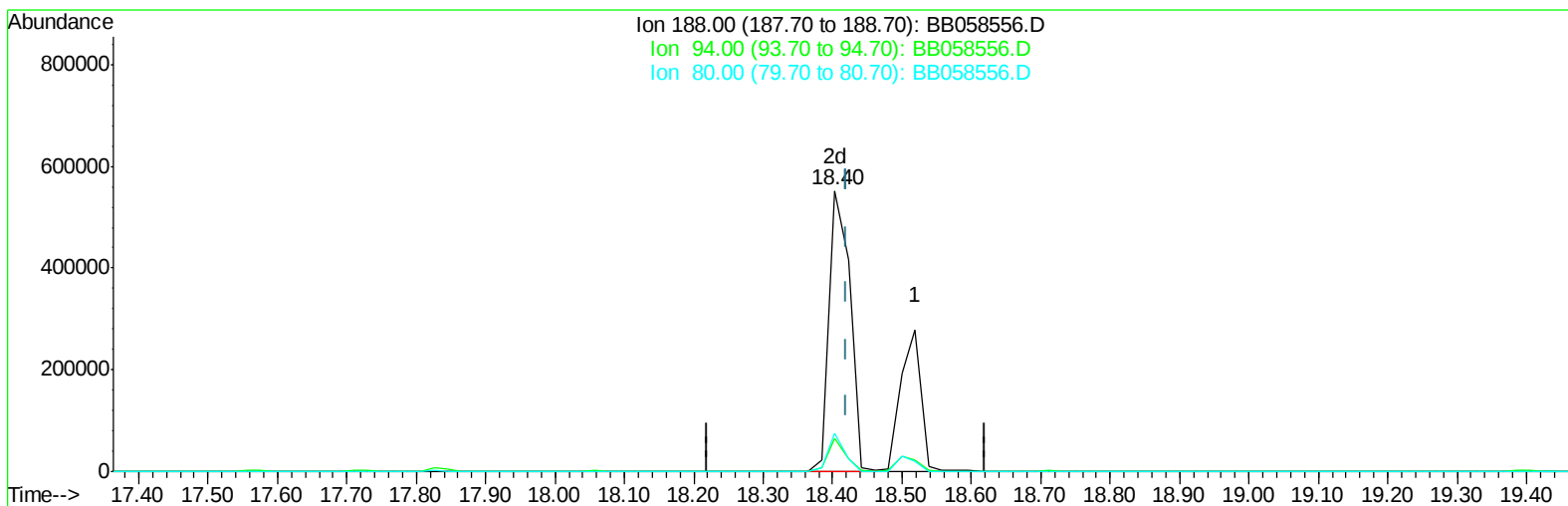
18.519min (+0.098) 20.00ng/ul

response 550360

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	8.03
80.00	8.60	7.49
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SSTD01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 14:59:14 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: BB058556.D

(61) Phenanthrene-d10 (I)

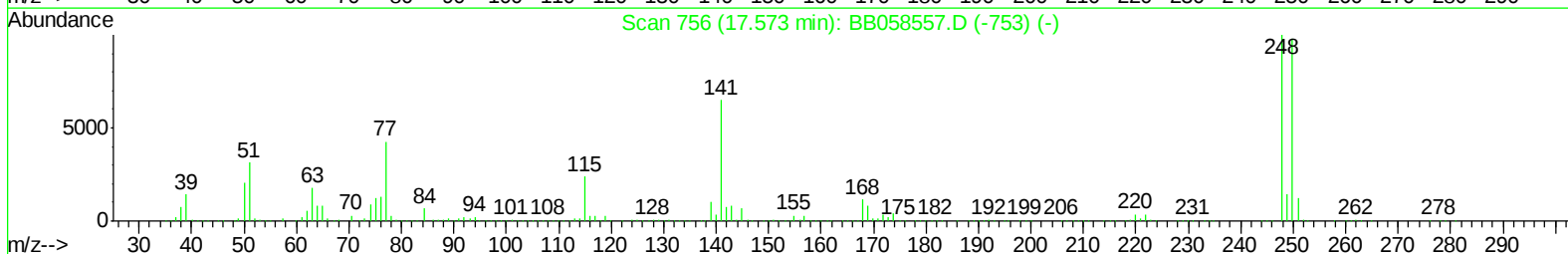
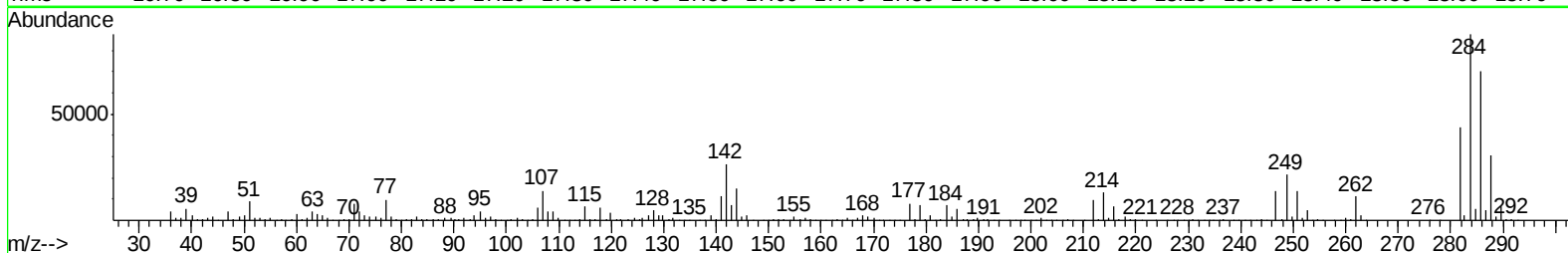
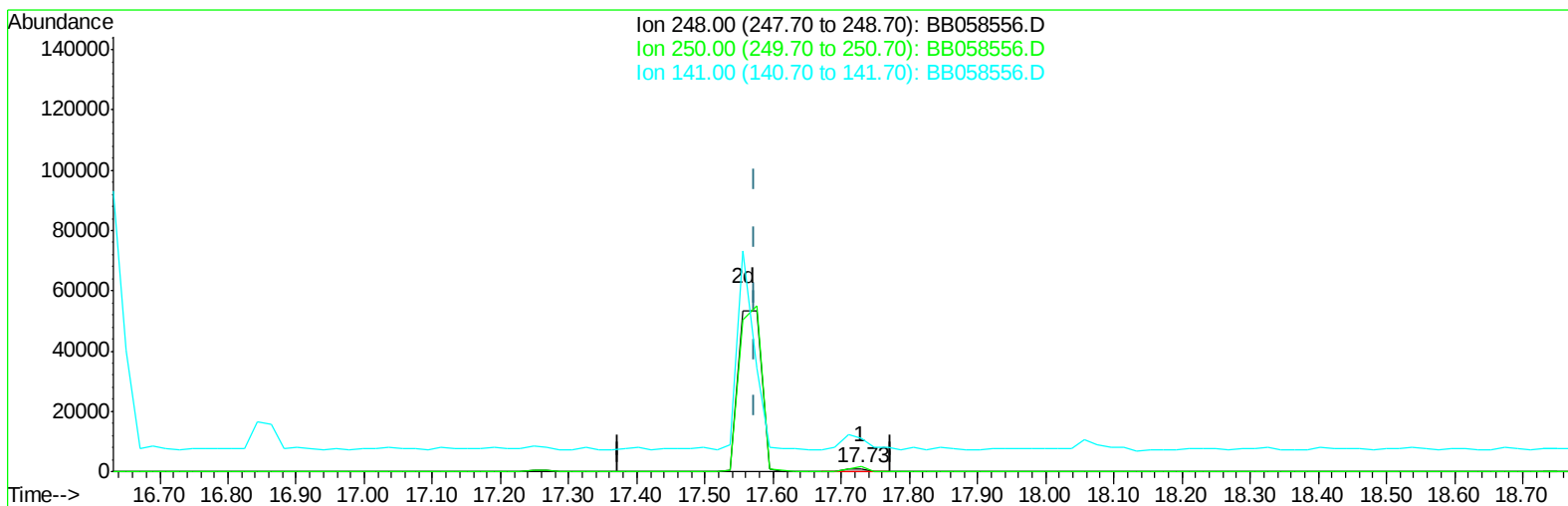
18.403min (-0.017) 20.00ng/ul m

response 1155995

Ion	Exp%	Act%
188.00	100	100
94.00	7.90	11.69#
80.00	8.60	13.68#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SSTD01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:28:10 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: BB058556.D

(65) 4-Bromophenyl-phenylether

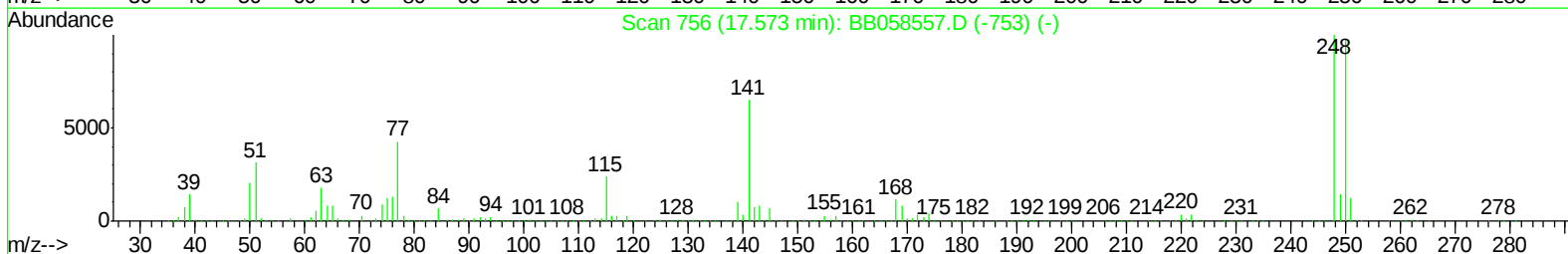
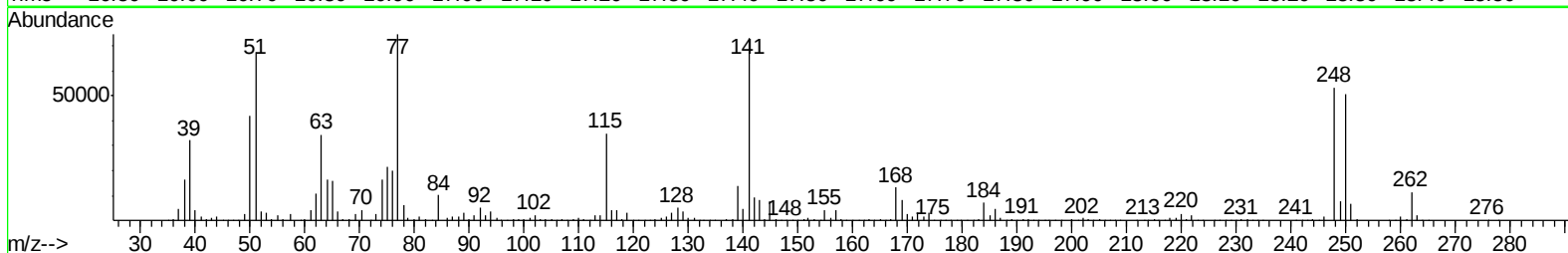
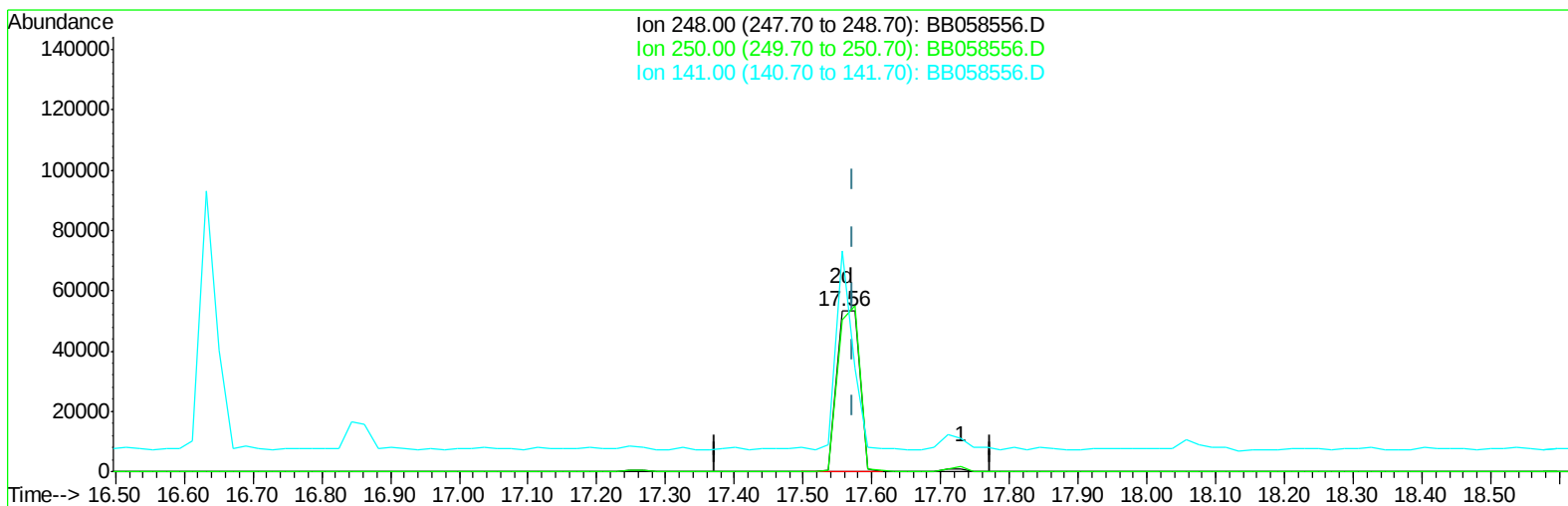
17.729min (+0.156) 0.15ng/ul

response 1924

Ion	Exp%	Act%
248.00	100	100
250.00	99.60	69.04#
141.00	72.90	49.70#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SST01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:28:10 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: BB058556.D

(65) 4-Bromophenyl-phenylether

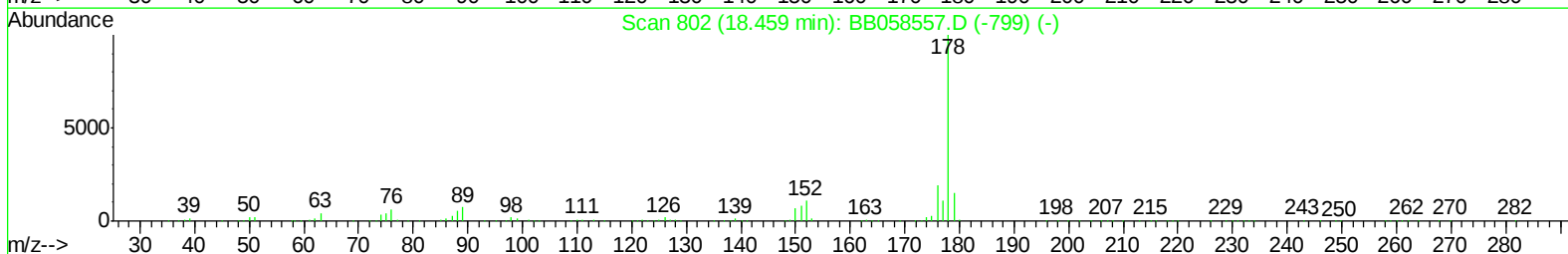
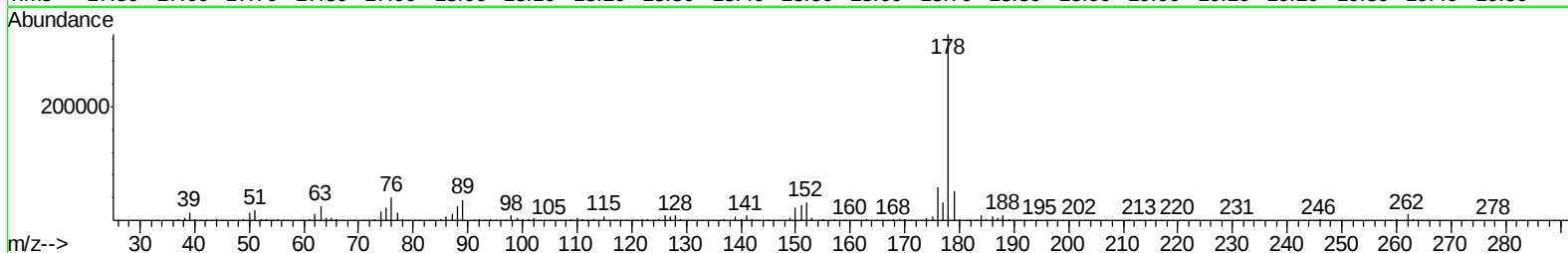
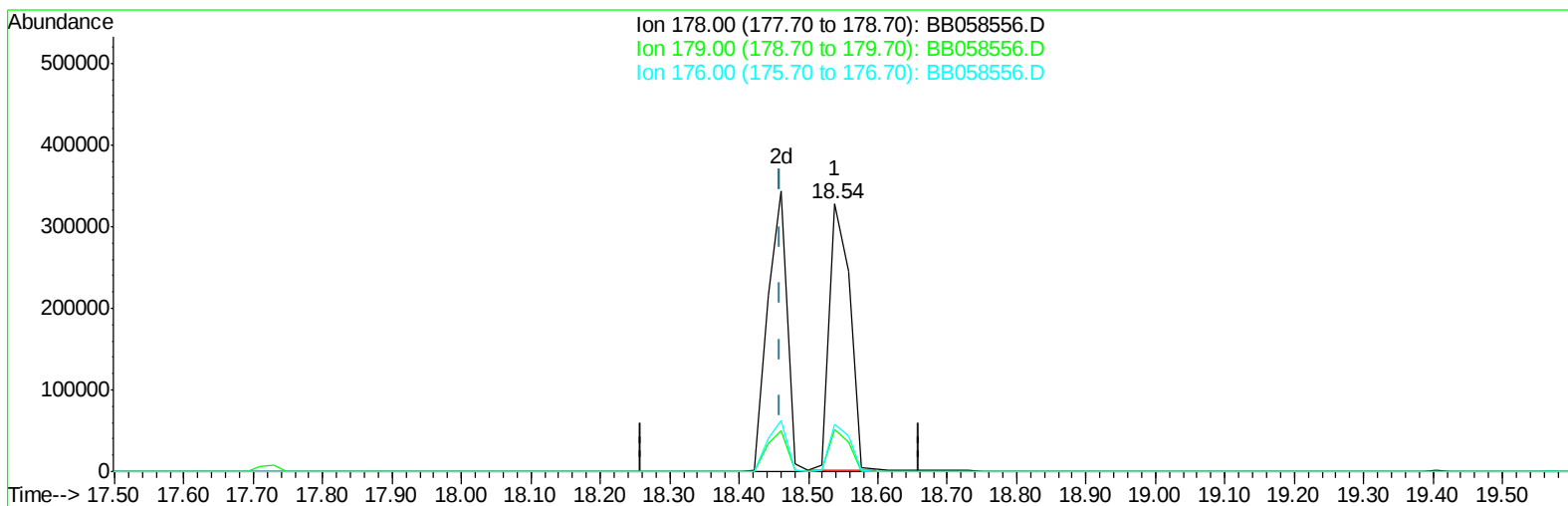
17.556min (-0.017) 9.94ng/ul m

response 125214

Ion	Exp%	Act%
248.00	100	100
250.00	99.60	94.60
141.00	72.90	137.14#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SSTD01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:28:10 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: BB058556.D

(69) Phenanthrene

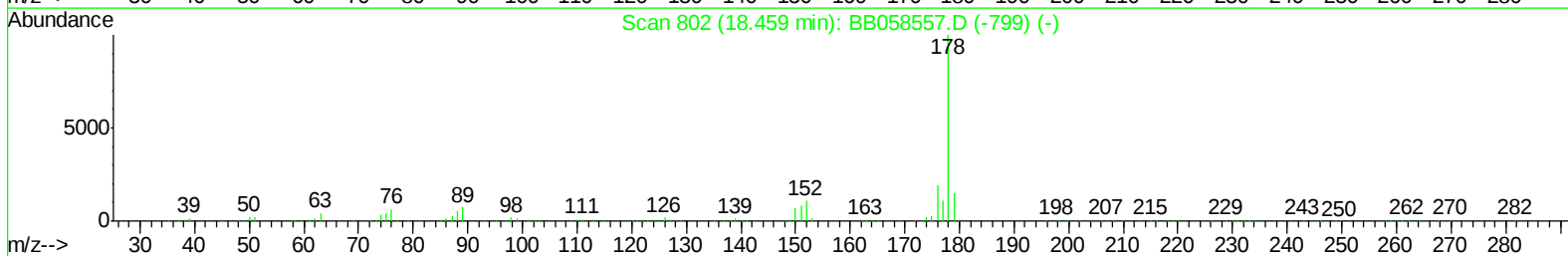
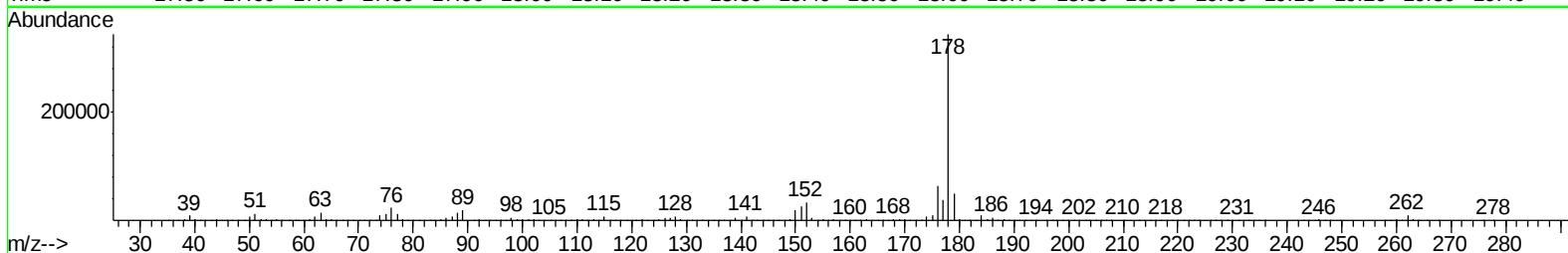
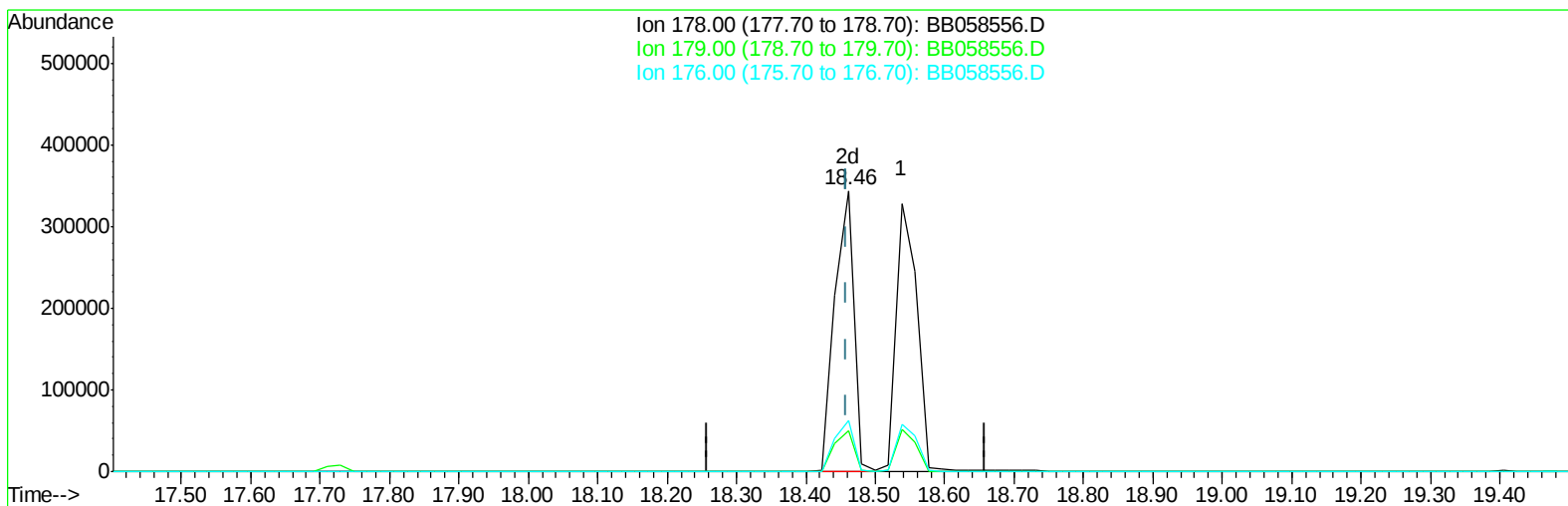
18.538min (+0.079) 10.95ng/ul

response 670376

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	15.66
176.00	18.90	17.82
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SSTD01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:28:10 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: BB058556.D

(69) Phenanthrene

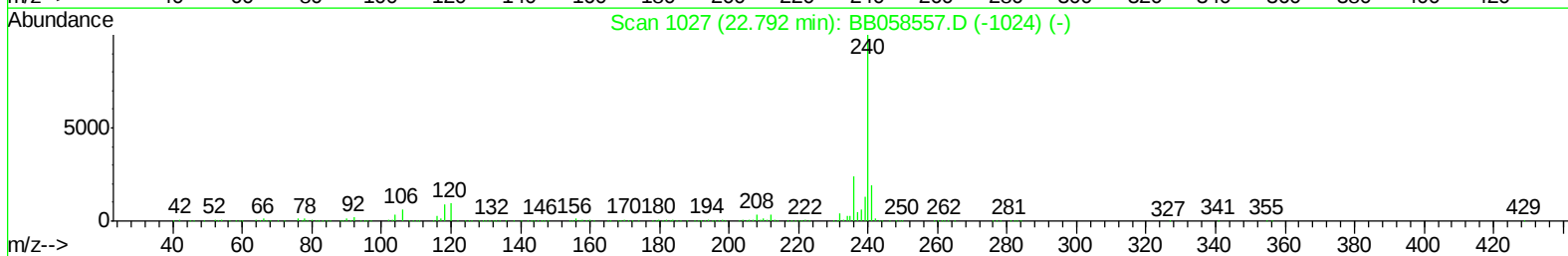
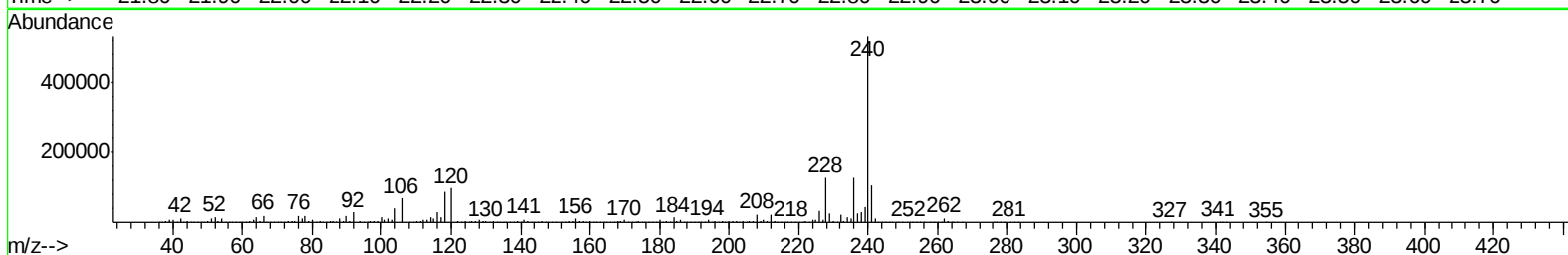
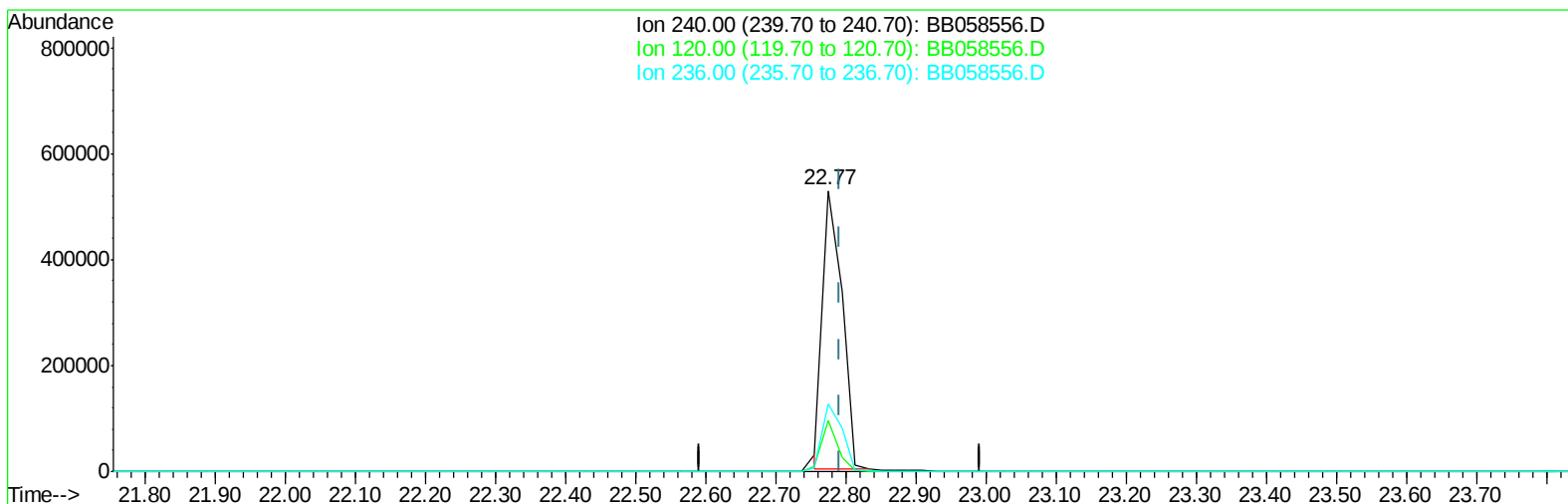
18.461min (+0.002) 10.79ng/ul m

response 660330

Ion	Exp%	Act%
178.00	100	100
179.00	15.20	14.72
176.00	18.90	18.30
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SSTD01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:28:10 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: BB058556.D

(75) Chrysene-d12 (I)

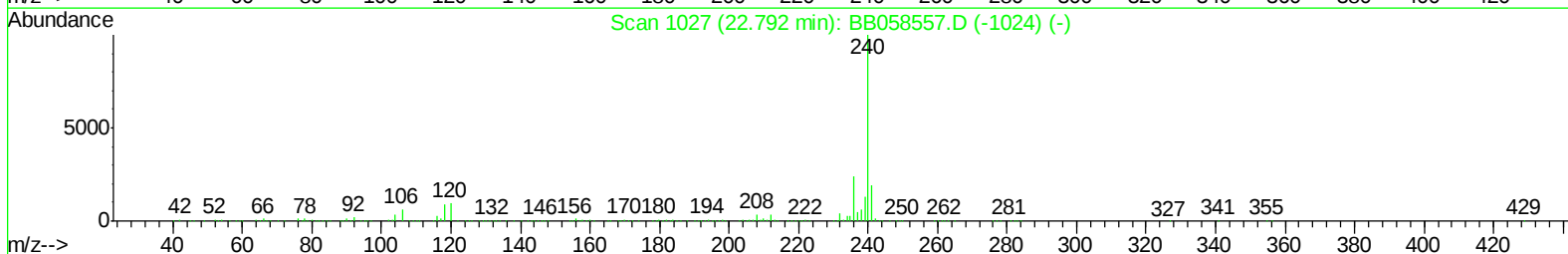
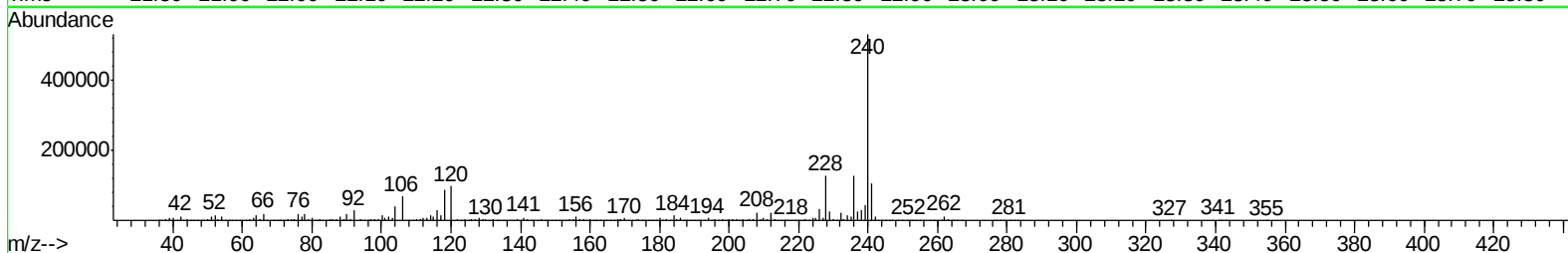
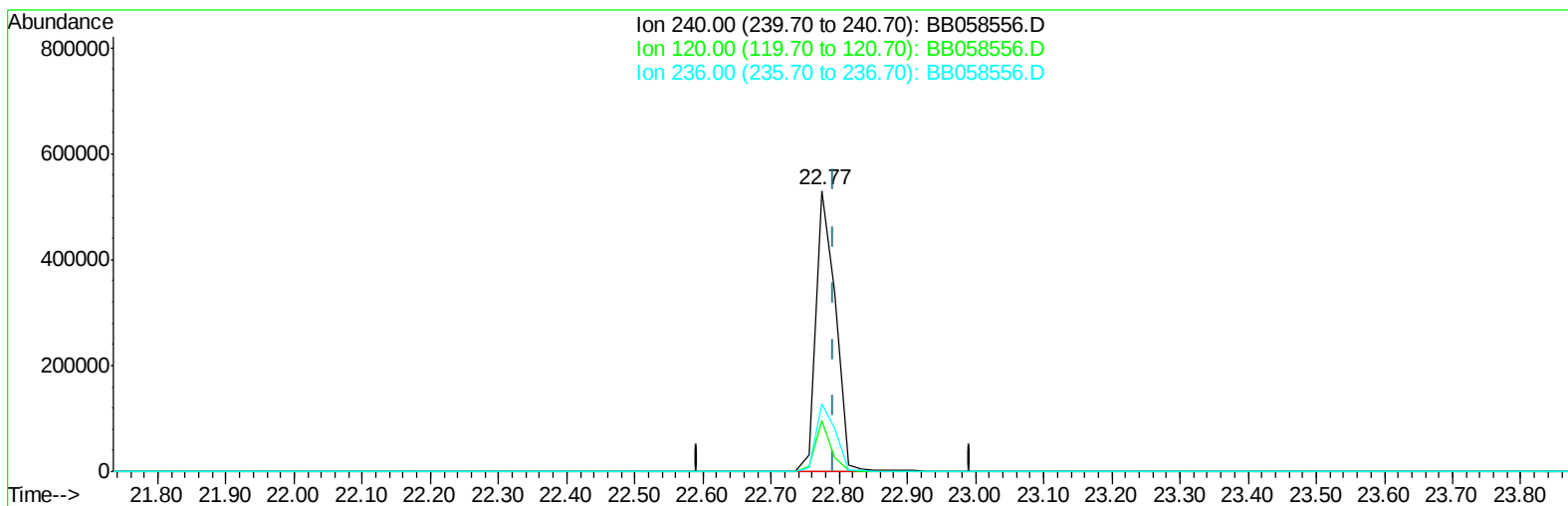
22.774min (-0.017) 20.00ng/ul

response 1000947

Ion	Exp%	Act%
240.00	100	100
120.00	8.00	18.36#
236.00	25.20	24.13
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
Data File : BB058556.D
Acq On : 29 Sep 2016 13:05
Operator : UM/SJ
Sample : SST01068
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:28:10 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: BB058556.D

(75) Chrysene-d12 (I)

22.774min (-0.017) 20.00ng/ul m

response 1068944

Ion	Exp%	Act%
240.00	100	100
120.00	8.00	18.36#
236.00	25.20	24.13
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
 Data File : BB058556.D
 Acq On : 29 Sep 2016 13:05
 Operator : UM/SJ
 Sample : SSTD01068
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:29:52 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	356681	20.00	ng/ul	0.00
18) Naphthalene-d8	11.63	136	1344607	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.57	164	775790	20.00	ng/ul	0.00
61) Phenanthrene-d10	18.40	188	1155995m	20.00	ng/ul	-0.02
75) Chrysene-d12	22.77	240	1068944m	20.00	ng/ul	-0.02
83) Perylene-d12	25.86	264	1027656	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.65	96	35479m	4.89	ng/uL	0.00
5) Phenol-d5	7.79	99	280168	8.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.95	67	184670	10.85	ng/ul	0.00
9) 2-Chlorophenol-d4	8.18	132	262370	11.41	ng/ul	0.00
13) 4-Methylphenol-d8	9.43	113	211404	7.82	ng/ul	-0.02
19) Nitrobenzene-d5	9.87	128	137977	14.35	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.64	143	151768	13.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	11.22	165	211282	9.71	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.74	131	250685	10.97	ng/ul	0.00
43) Dimethylphthalate-d6	14.94	166	525448	9.31	ng/ul	-0.02
46) Acenaphthylene-d8	15.25	160	653801	9.98	ng/ul	0.00
51) 4-Nitrophenol-d4	15.77	143	113230	11.37	ng/ul	0.00
57) Fluorene-d10	16.59	176	421734	8.52	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.71	200	89115	12.63	ng/ul	-0.02
70) Anthracene-d10	18.52	188	550678	10.37	ng/ul	0.00
76) Pyrene-d10	20.85	212	541003	12.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.64	264	449309	9.88	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.69	88	36521m	4.80	ng/uL
4) Benzaldehyde	7.74	77	200985	9.46	ng/ul
6) Phenol	7.83	94	272032	8.47	ng/ul
8) Bis(2-Chloroethyl)ether	8.04	93	239065	10.39	ng/ul
10) 2-Chlorophenol	8.22	128	248634	10.78	ng/ul
11) 2-Methylphenol	9.14	108	206297	8.33	ng/ul
12) 2,2'-oxybis(1-Chloropropan	9.24	45	432870	17.30	ng/ul#
14) Acetophenone	9.53	105	316923	7.70	ng/ul#
15) N-Nitroso-di-n-propylamine	9.53	70	188976	9.04	ng/ul#
16) 4-Methylphenol	9.51	108	219028	7.90	ng/ul
17) Hexachloroethane	9.83	117	116395	12.34	ng/ul#
20) Nitrobenzene	9.91	77	257138	10.44	ng/ul#
21) Isophorone	10.49	82	515054	10.93	ng/ul#
23) 2-Nitrophenol	10.68	139	150959	13.28	ng/ul#
24) 2,4-Dimethylphenol	10.76	107	248439	9.45	ng/ul
25) Bis(2-Chloroethoxy)methane	10.99	93	273413	10.17	ng/ul#
27) 2,4-Dichlorophenol	11.26	162	202239	9.43	ng/ul
28) Naphthalene	11.66	128	674028	10.38	ng/ul
30) 4-Chloroaniline	11.76	127	239245	10.01	ng/ul
31) Hexachlorobutadiene	12.01	225	109203	6.97	ng/ul
32) Caprolactam	12.51	113	85480	10.89	ng/ul
33) 4-Chloro-3-methylphenol	12.93	107	205948	7.89	ng/ul
34) 2-Methylnaphthalene	13.32	142	452069	8.87	ng/ul

Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\
 Data File : BB058556.D
 Acq On : 29 Sep 2016 13:05
 Operator : UM/SJ
 Sample : SSTD01068
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 29 15:29:52 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	197846	8.65	ng/ul	94
37) Hexachlorocyclopentadiene	13.72	237	89615	7.30	ng/ul#	98
38) 2,4,6-Trichlorophenol	13.96	196	137459	9.42	ng/ul	99
39) 2,4,5-Trichlorophenol	14.03	196	140451	8.79	ng/ul	98
40) 1,1'-Biphenyl	14.36	154	545499	10.59	ng/ul	99
41) 2-Chloronaphthalene	14.40	162	413670	10.32	ng/ul	98
42) 2-Nitroaniline	14.59	65	158300	12.85	ng/ul	89
44) Dimethylphthalate	14.99	163	528373	9.65	ng/ul#	96
45) 2,6-Dinitrotoluene	15.09	165	129720	11.95	ng/ul	91
47) Acenaphthylene	15.28	152	660079	10.15	ng/ul	99
48) 3-Nitroaniline	14.59	138	166014	15.05	ng/ul#	44
49) Acenaphthene	15.63	153	418933	9.37	ng/ul	95
50) 2,4-Dinitrophenol	15.65	184	58214	8.03	ng/ul#	12
52) 4-Nitrophenol	15.77	109	72699	7.01	ng/ul#	62
53) Dibenzofuran	15.98	168	604449	9.17	ng/ul	100
54) 2,4-Dinitrotoluene	15.92	165	177627	10.61	ng/ul#	93
55) 2,3,4,6-Tetrachlorophenol	16.23	232	105244	6.66	ng/ul#	96
56) Diethylphthalate	16.40	149	553671	9.91	ng/ul	94
58) Fluorene	16.65	166	487618	8.96	ng/ul	91
59) 4-Chlorophenyl-phenylether	16.63	204	216925	7.57	ng/ul#	77
60) 4-Nitroaniline	16.65	138	133599	11.01	ng/ul#	66
63) 4,6-Dinitro-2-methylphenol	16.73	198	97812	13.51	ng/ul#	90
64) N-Nitrosodiphenylamine	16.86	169	402214	12.88	ng/ul	95
65) 4-Bromophenyl-phenylether	17.56	248	125214m	9.94	ng/ul	
66) Hexachlorobenzene	17.73	284	146003	10.29	ng/ul#	90
67) Atrazine	17.84	200	133894	10.30	ng/ul	89
68) Pentachlorophenol	18.06	266	76681	8.63	ng/ul	98
69) Phenanthrene	18.46	178	660330m	10.79	ng/ul	
71) Anthracene	18.54	178	669864	10.78	ng/ul	99
72) Carbazole	18.81	167	628512	11.38	ng/ul	97
73) Di-n-butylphthalate	19.40	149	1026239	16.43	ng/ul	98
74) Fluoranthene	20.50	202	641417	8.31	ng/ul#	75
77) Pyrene	20.89	202	686324	13.09	ng/ul	99
78) Butylbenzylphthalate	21.79	149	461529	22.93	ng/ul#	82
79) 3,3'-Dichlorobenzidine	22.66	252	208722	10.63	ng/ul#	94
80) Benzo(a)anthracene	22.76	228	601321	10.29	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	22.68	149	626497	21.59	ng/ul#	88
82) Chrysene	22.83	228	554734	9.94	ng/ul	99
84) Di-n-octyl phthalate	22.68	149	626497	12.62	ng/ul#	67
85) Benzo(b)fluoranthene	24.89	252	643512	11.16	ng/ul#	95
86) Benzo(k)fluoranthene	24.95	252	465997	8.40	ng/ul#	94
88) Benzo(a)pyrene	25.70	252	536753	9.70	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	29.11	276	521283	8.53	ng/ul#	83
90) Dibenzo(a,h)anthracene	29.15	278	427722	8.50	ng/ul#	85
91) Benzo(g,h,i)perylene	30.11	276	427752	8.34	ng/ul#	83

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

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Data Path : Z:\HPCHEM1\BNA B\DATA\BB092916\  
Data File : BB058556.D  
Acq On    : 29 Sep 2016   13:05  
Operator  : UM/SJ  
Sample    : SSTD01068  
Misc      :  
ALS Vial  : 3      Sample Multiplier: 1
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Quant Time: Sep 29 15:29:52 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

