

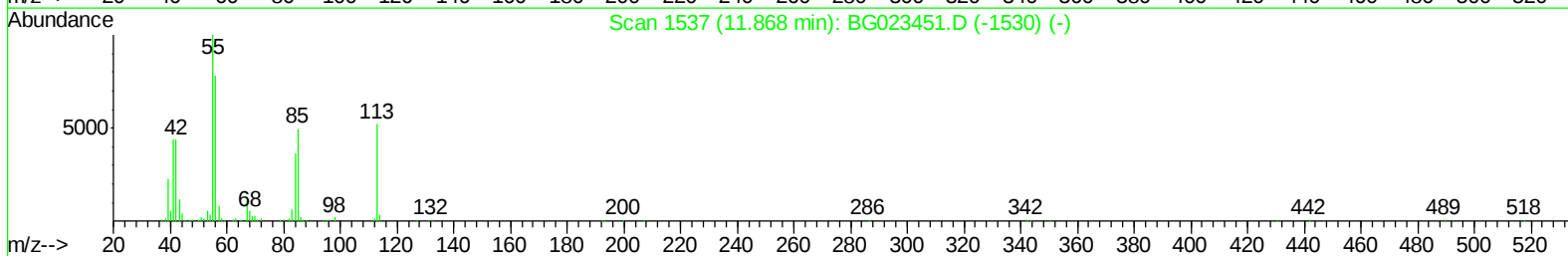
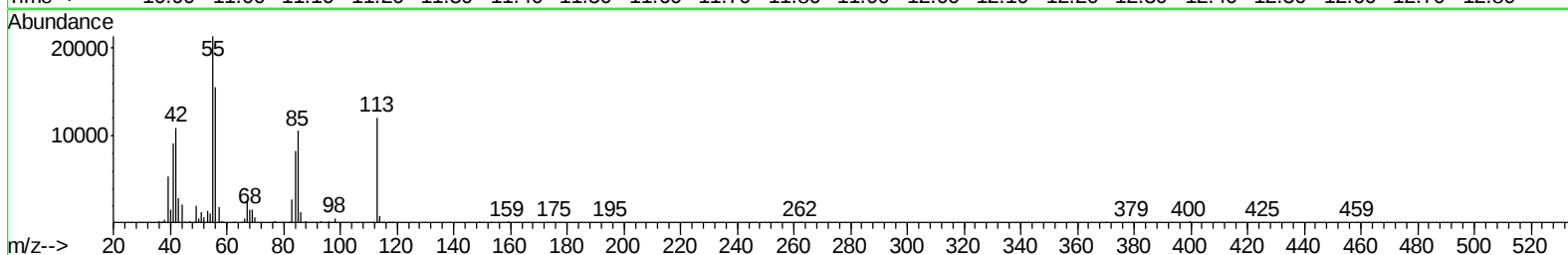
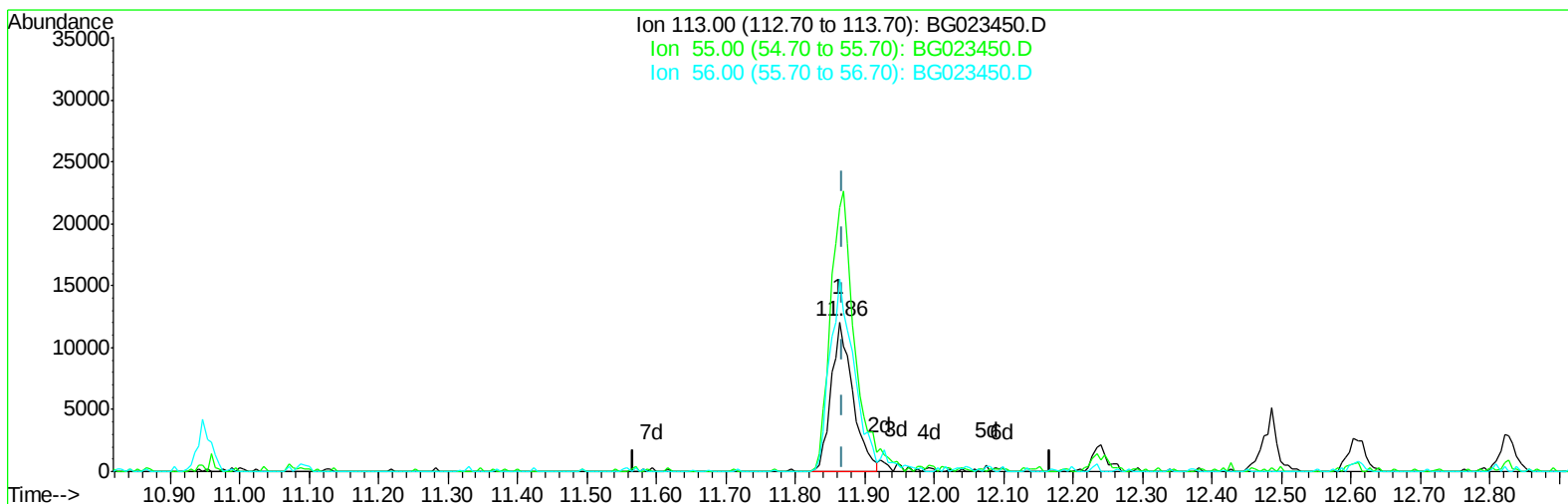
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SST01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
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8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(32) Caprolactam

11.864min (-0.004) 8.43ng/ul

response 26103

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	176.77#
56.00	83.00	128.48#
0.00	0.00	0.00

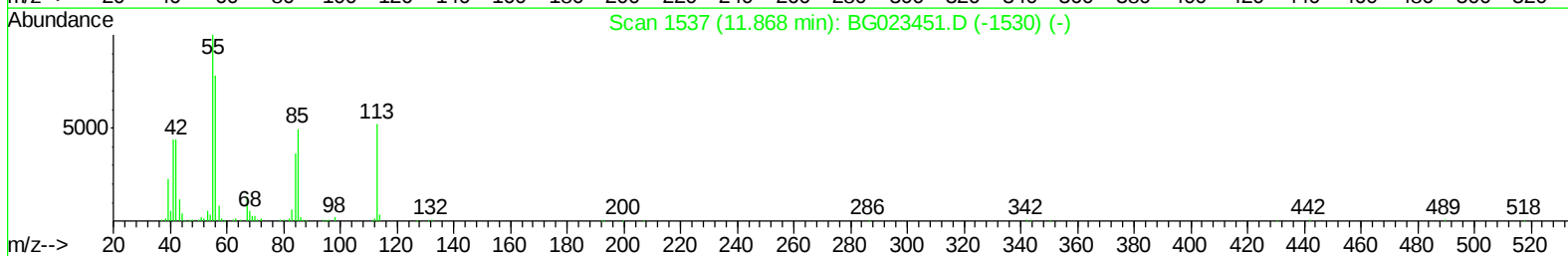
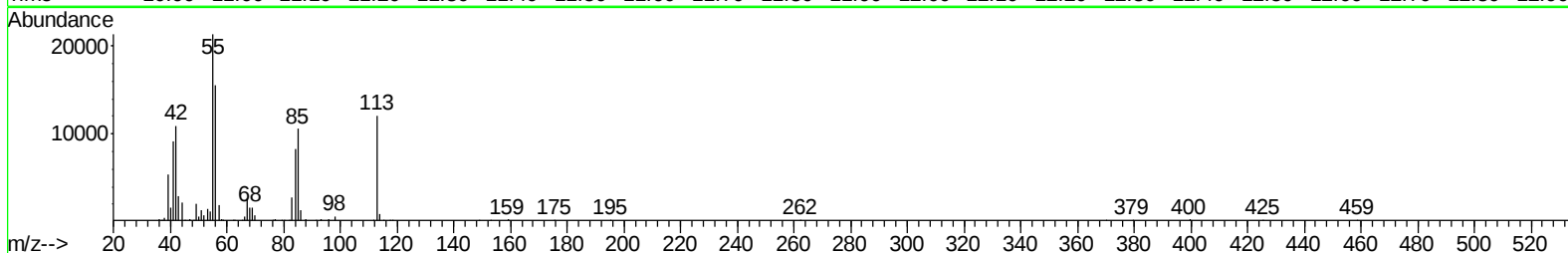
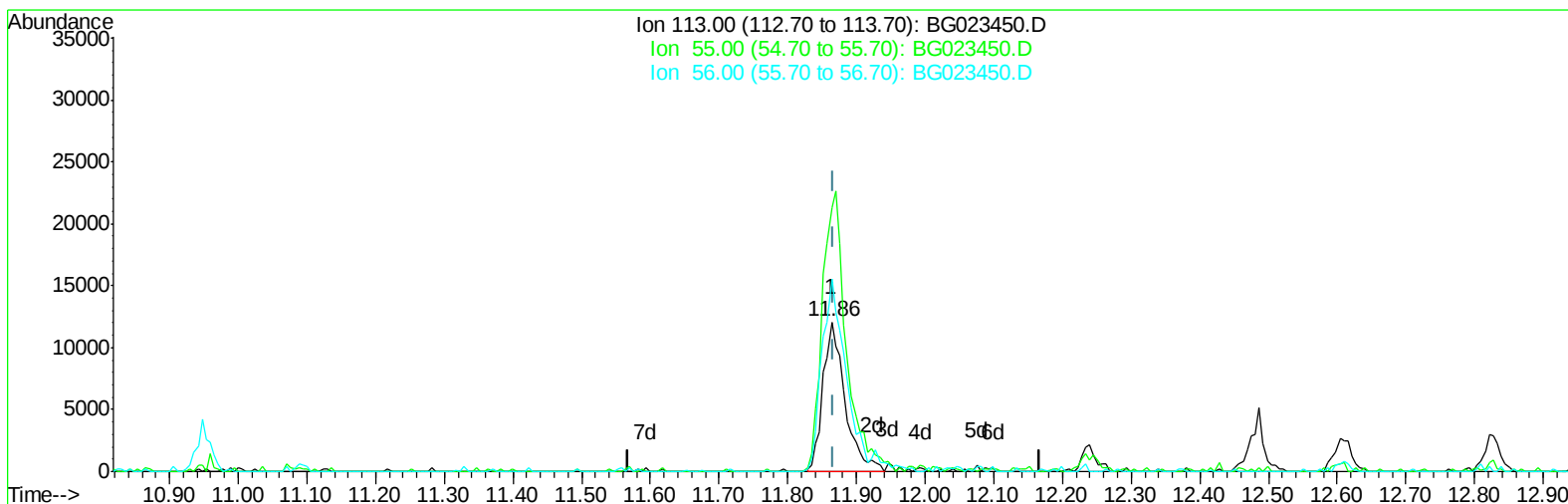
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SST01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
APPROVED

sohil
8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(32) Caprolactam

11.864min (-0.004) 8.66ng/ul m

response 26804

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	176.77#
56.00	83.00	128.48#
0.00	0.00	0.00

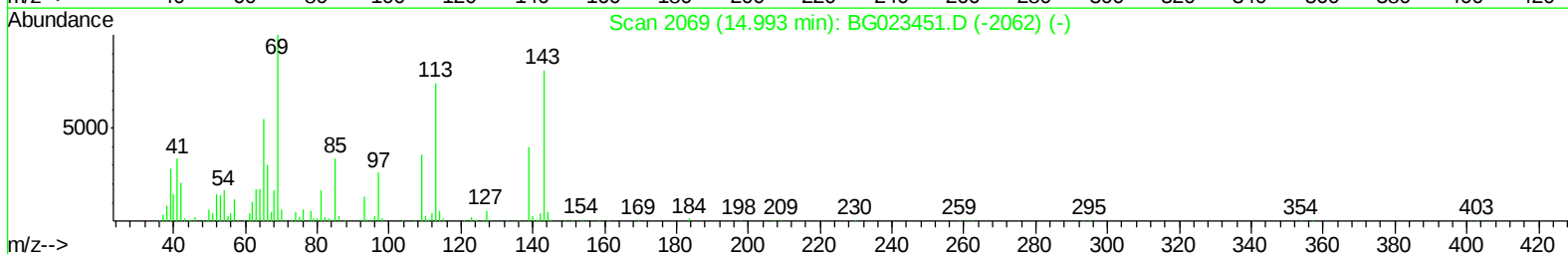
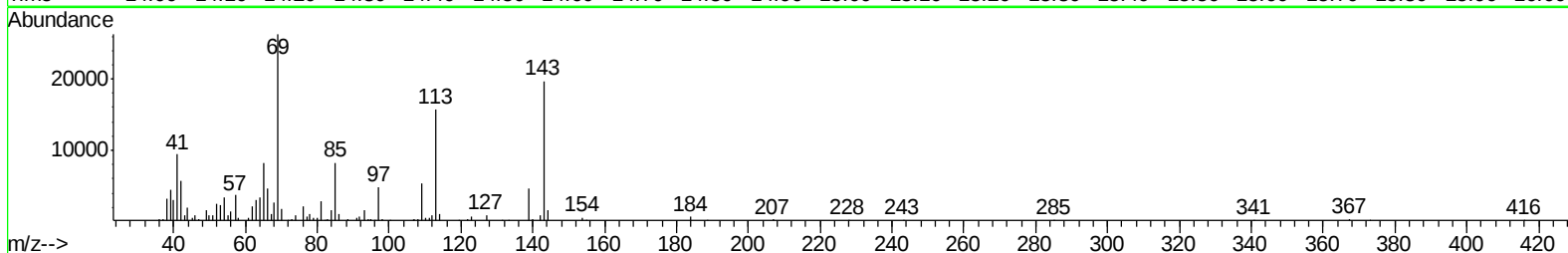
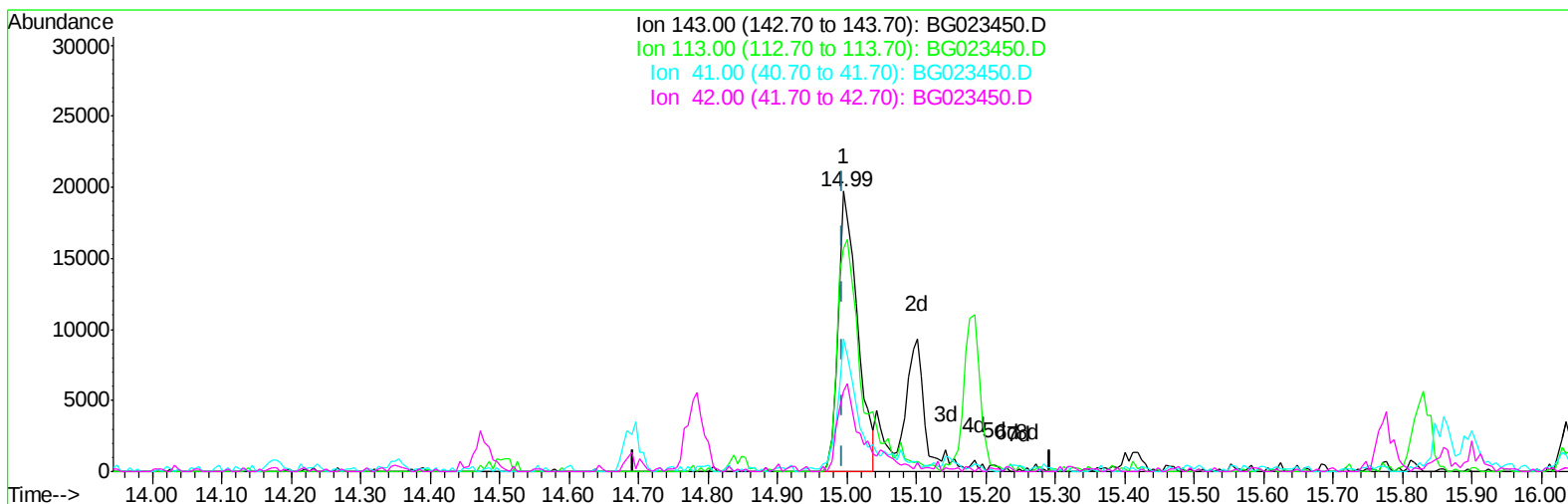
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
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8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(51) 4-Nitrophenol-d4 (S)
14.995min (+0.002) 8.11ng/ul
response 37961

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	79.72#
41.00	26.90	47.51#
42.00	16.10	28.58#

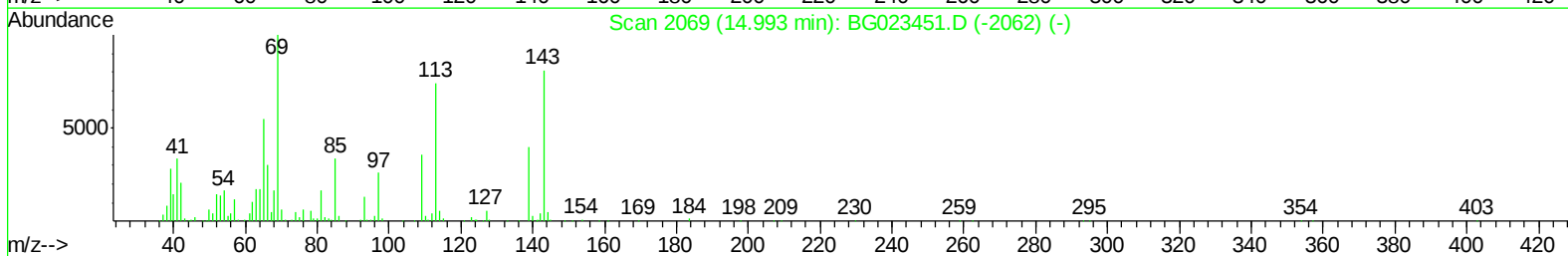
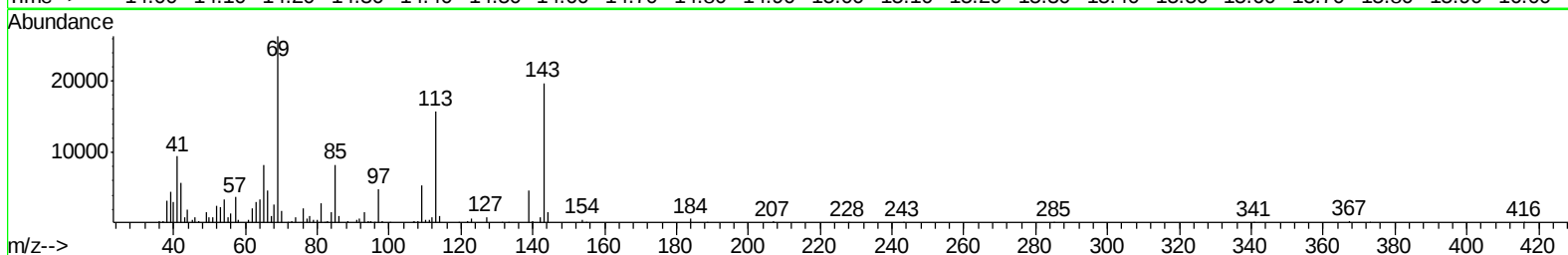
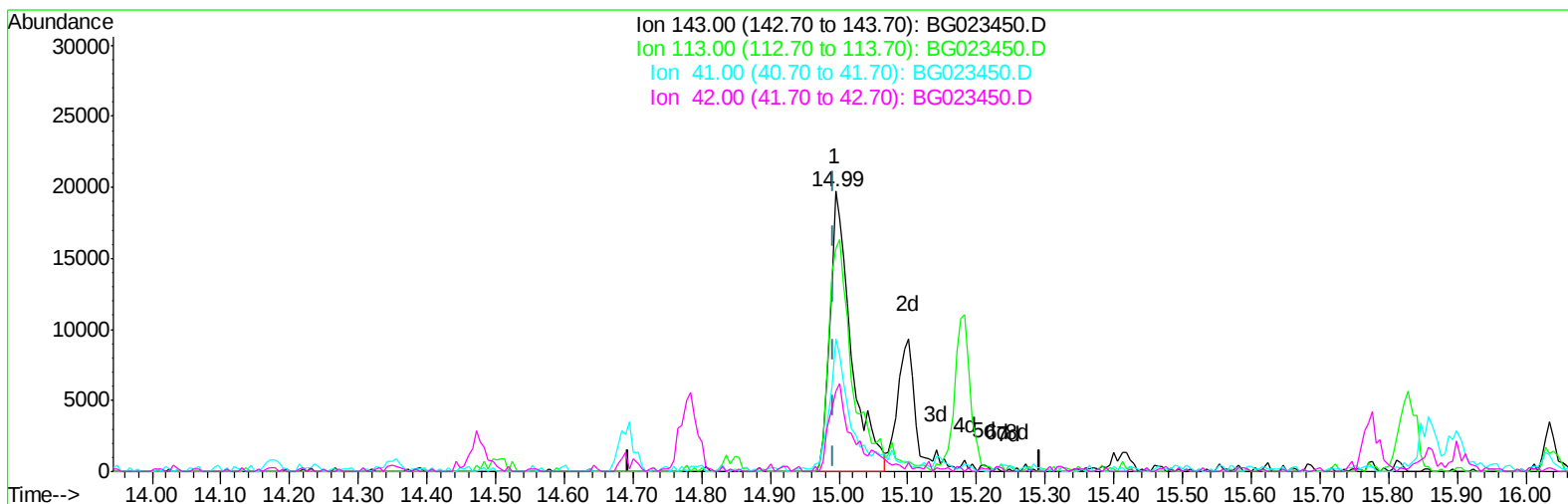
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
APPROVED

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Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(51) 4-Nitrophenol-d4 (S)

14.995min (+0.002) 9.04ng/ul m

response 42326

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	79.72#
41.00	26.90	47.51#
42.00	16.10	28.58#

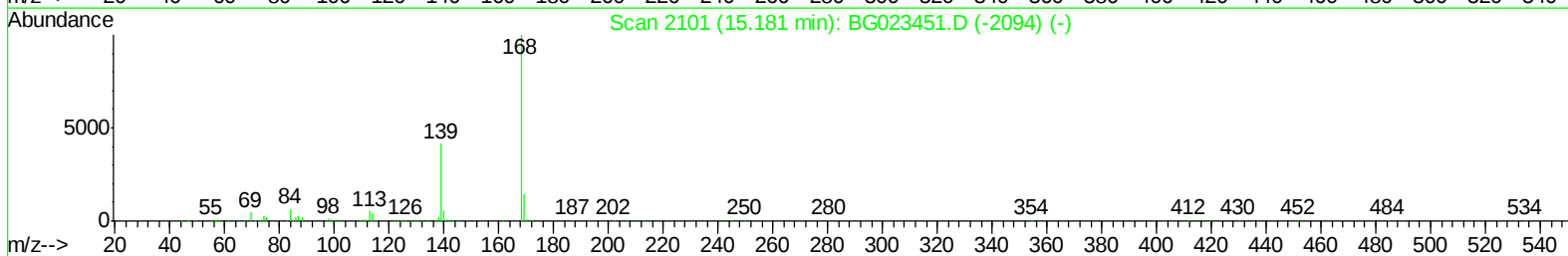
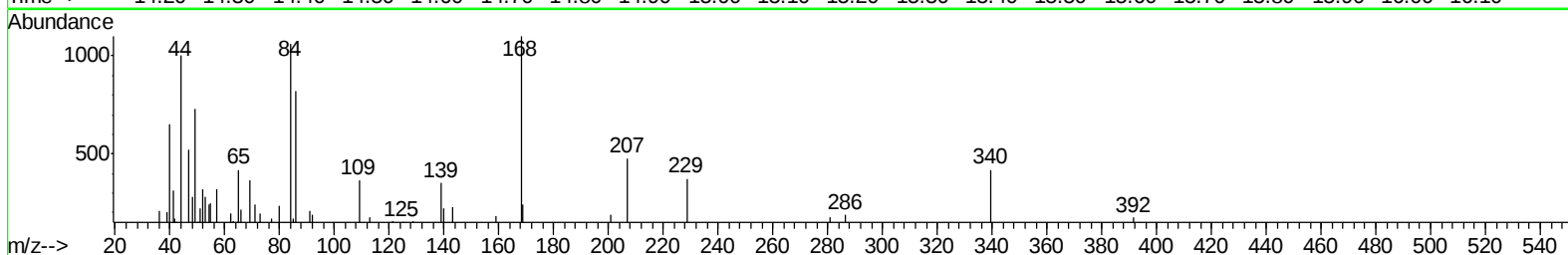
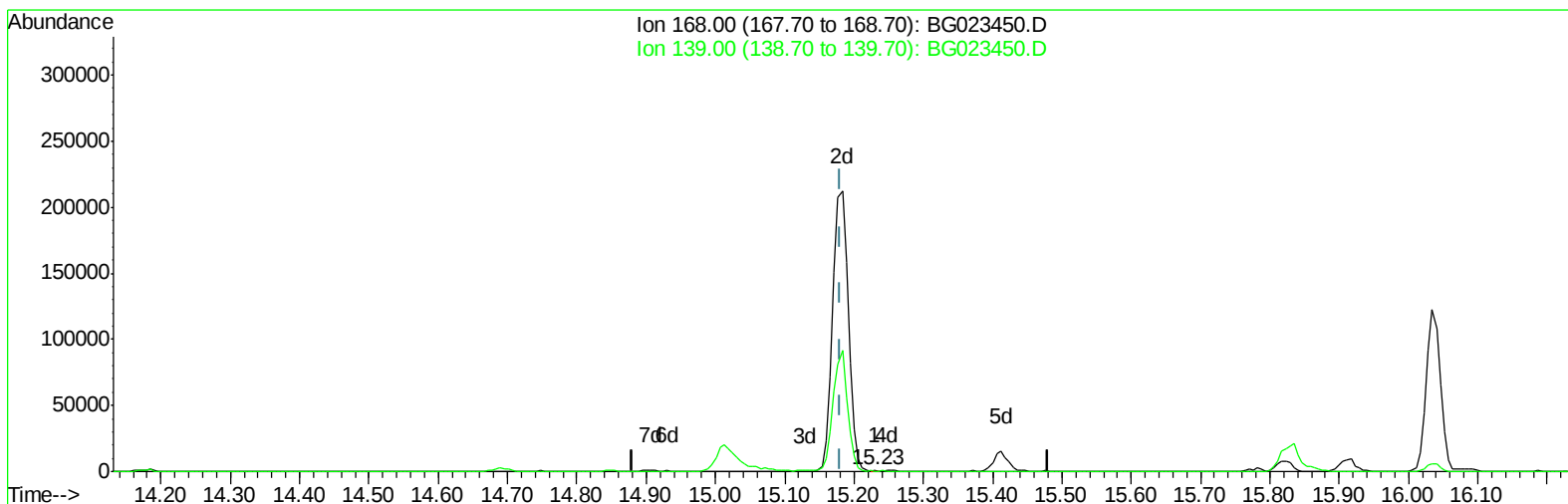
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
APPROVED

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8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(53) Dibenzofuran

15.230min (+0.049) 0.02ng/ul

response 459

Ion	Exp%	Act%
168.00	100	100
139.00	34.20	31.73
0.00	0.00	0.00
0.00	0.00	0.00

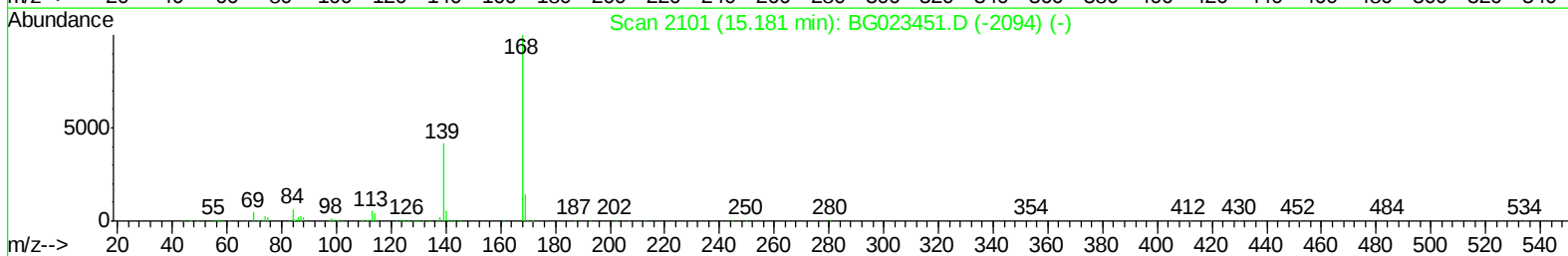
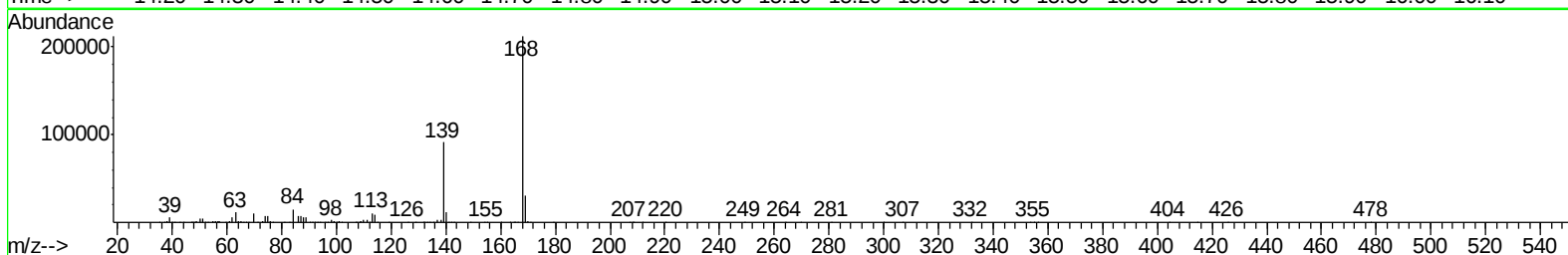
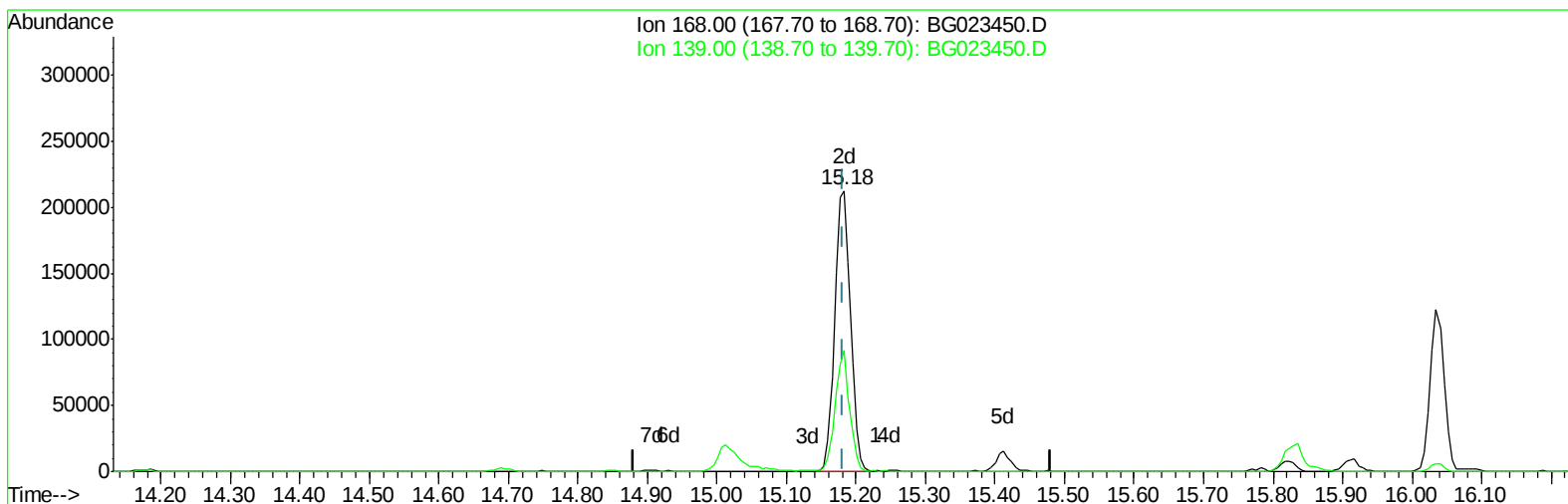
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
APPROVED

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Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(53) Dibenzofuran

15.183min (+0.002) 11.06ng/ul m

response 336860

Ion	Exp%	Act%
168.00	100	100
139.00	34.20	43.00#
0.00	0.00	0.00
0.00	0.00	0.00

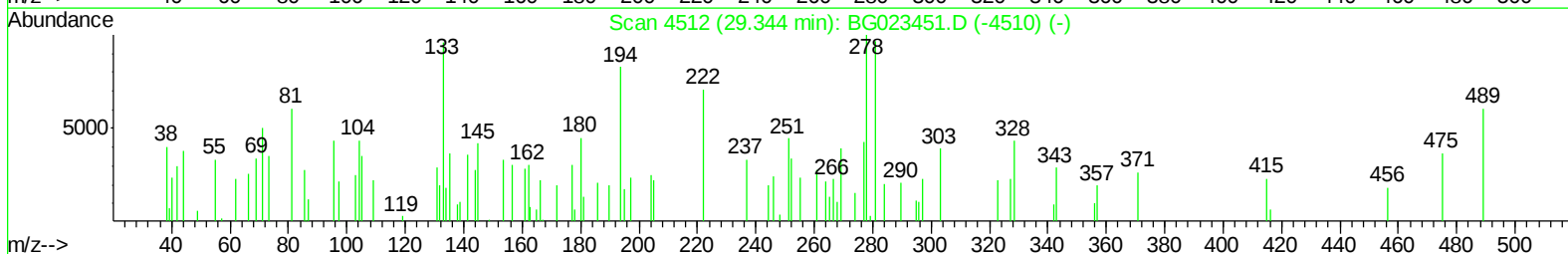
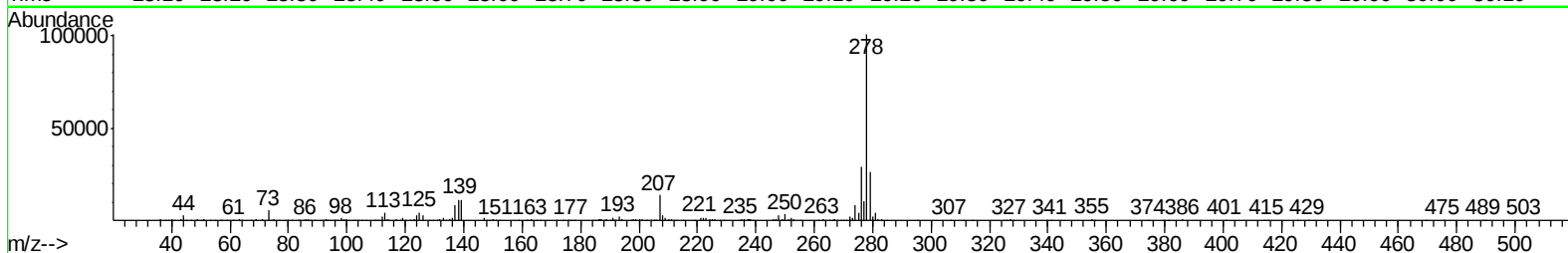
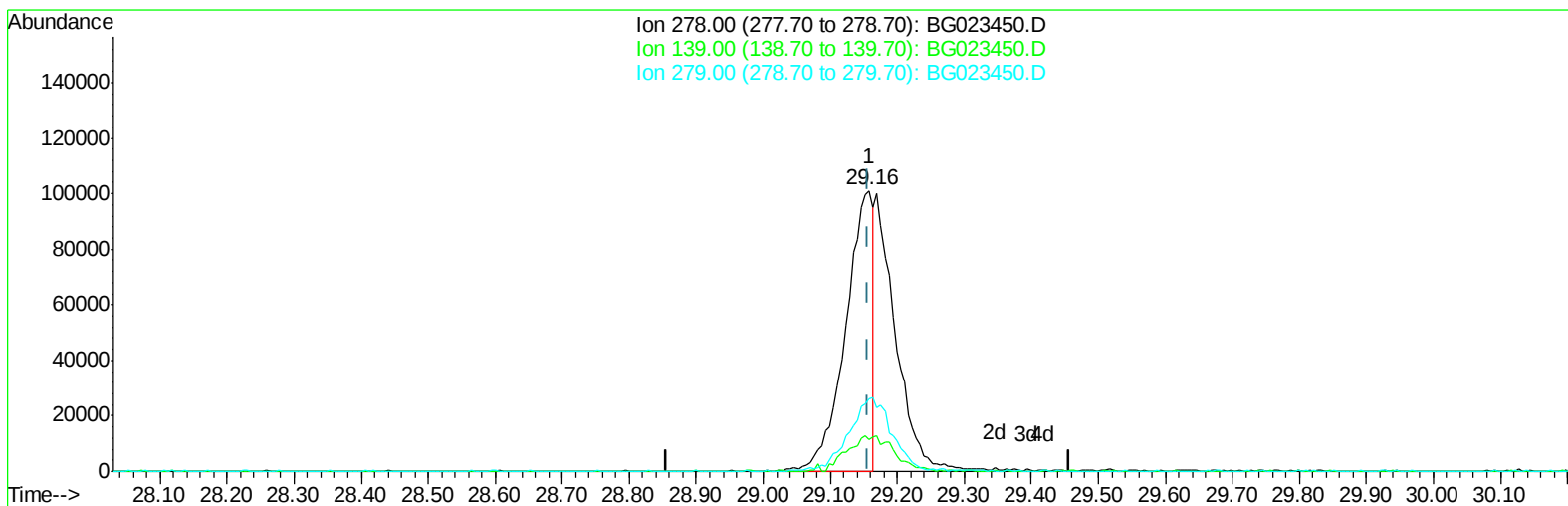
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
APPROVED

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8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(90) Dibenzo(a,h)anthracene

29.158min (+0.002) 6.04ng/ul

response 292144

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	11.31#
279.00	23.90	26.04
0.00	0.00	0.00

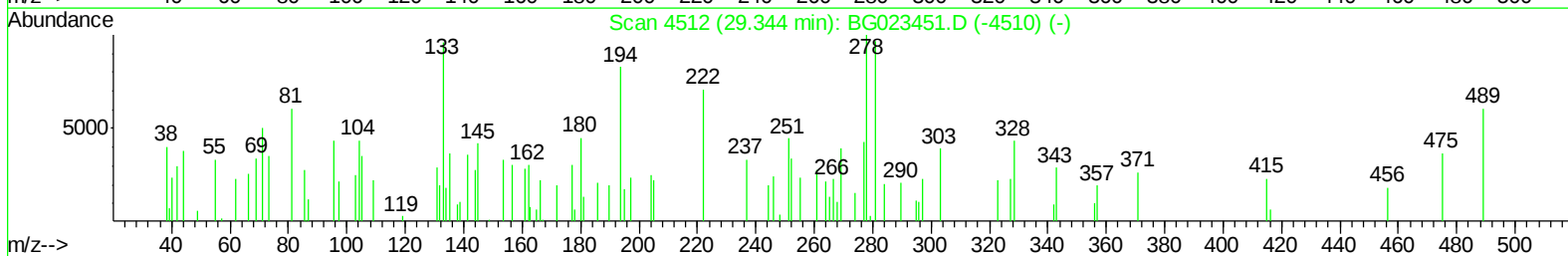
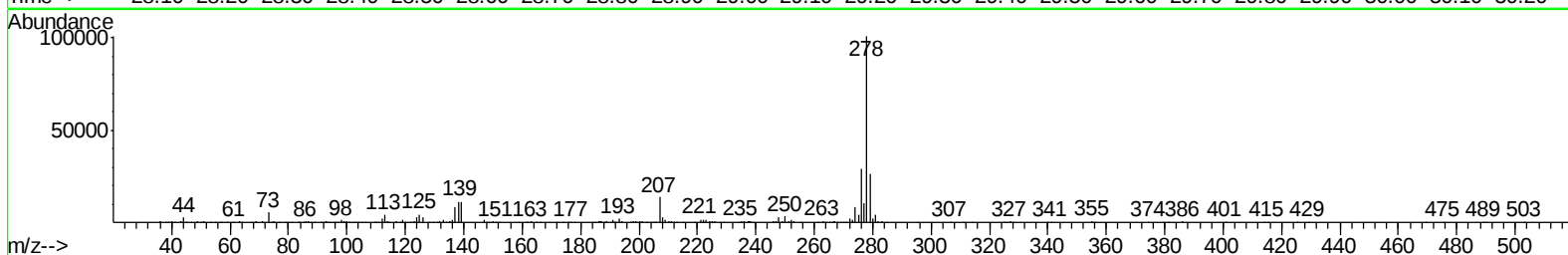
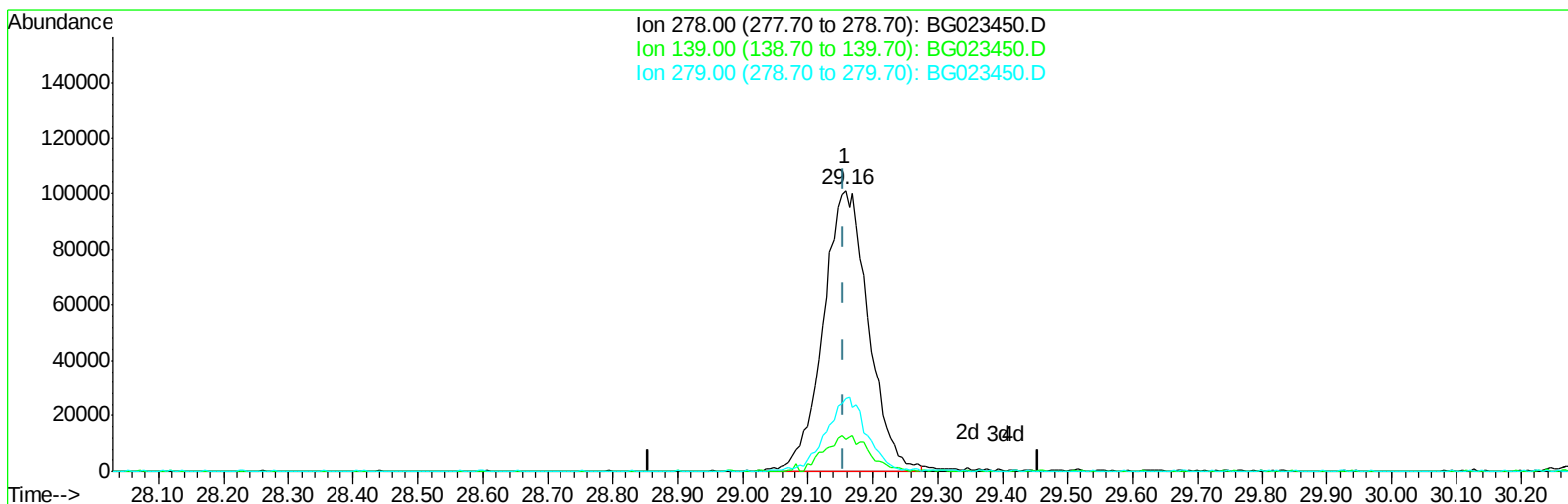
Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
Data File : BG023450.D
Acq On : 4 Aug 2016 13:48
Operator : UM/SJ
Sample : SSTD01002
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTD01002

Manual Integrations
APPROVED

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8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:24:28 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 04 15:23:03 2016
Response via : Initial Calibration



TIC: BG023450.D

(90) Dibenzo(a,h)anthracene

29.158min (+0.002) 10.30ng/ul m

response 498409

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	11.31#
279.00	23.90	26.04
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
 Data File : BG023450.D
 Acq On : 4 Aug 2016 13:48
 Operator : UM/SJ
 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SSTD01002

Manual Integrations
 APPROVED

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 8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:38:10 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 04 15:23:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	90221	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	429589	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	319165	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	898029	20.00	ng/ul	0.00
75) Chrysene-d12	21.86	240	915638	20.00	ng/ul	0.00
83) Perylene-d12	25.24	264	899590	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	8634	4.33	ng/uL	0.00
5) Phenol-d5	7.28	99	87485	9.41	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	59853	9.71	ng/ul	0.00
9) 2-Chlorophenol-d4	7.65	132	60583	9.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	65219	9.01	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	32972	9.60	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	35420	8.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	71486	9.47	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	78638	10.07	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	274712	10.35	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	309281	10.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	42326m	9.04	ng/ul	0.00
57) Fluorene-d10	15.78	176	258325	10.77	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.89	200	49584	8.02	ng/ul	0.00
70) Anthracene-d10	17.64	188	420104	9.99	ng/ul	0.00
76) Pyrene-d10	19.93	212	495388	10.48	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	401893	9.52	ng/ul	0.00

Target Compounds

					Ovalue
2) 1,4-Dioxane	3.52	88	9317	4.36 ng/uL#	69
4) Benzaldehyde	7.25	77	57730	9.99 ng/ul#	80
6) Phenol	7.30	94	95448	9.86 ng/ul#	75
8) Bis(2-Chloroethyl)ether	7.53	93	70145	9.64 ng/ul#	78
10) 2-Chlorophenol	7.68	128	62272	9.70 ng/ul#	86
11) 2-Methylphenol	8.56	108	68506	9.58 ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.65	45	96818	9.83 ng/ul	97
14) Acetophenone	8.94	105	111964	8.89 ng/ul#	71
15) N-Nitroso-di-n-propylamine	8.92	70	67005	8.06 ng/ul#	90
16) 4-Methylphenol	8.90	108	77611	9.75 ng/ul	99
17) Hexachloroethane	9.21	117	28535	9.39 ng/ul	91
20) Nitrobenzene	9.34	77	98757	8.90 ng/ul#	81
21) Isophorone	9.85	82	172804	8.17 ng/ul#	94
23) 2-Nitrophenol	10.05	139	41125	9.61 ng/ul#	79
24) 2,4-Dimethylphenol	10.11	107	92056	9.36 ng/ul#	89
25) Bis(2-Chloroethoxy)methane	10.34	93	104166	8.90 ng/ul	96
27) 2,4-Dichlorophenol	10.60	162	72107	9.66 ng/ul	95
28) Naphthalene	11.00	128	220152	10.19 ng/ul	96
30) 4-Chloroaniline	11.11	127	83477	10.34 ng/ul	92
31) Hexachlorobutadiene	11.28	225	50237	8.37 ng/ul	96
32) Caprolactam	11.86	113	26804m	8.66 ng/ul	
33) 4-Chloro-3-methylphenol	12.23	107	91094	9.29 ng/ul#	77
34) 2-Methylnaphthalene	12.60	142	178343	9.98 ng/ul	97

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080416\
 Data File : BG023450.D
 Acq On : 4 Aug 2016 13:48
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 Sample : SSTD01002
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleID :
 SSTD01002

Manual Integrations
 APPROVED

sohil
 8/5/2016 6:59:52 PM

Quant Time: Aug 04 15:38:10 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 04 15:23:03 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.97	216	97690	9.17	ng/ul	97
37) Hexachlorocyclopentadiene	12.94	237	44572	6.43	ng/ul	97
38) 2,4,6-Trichlorophenol	13.21	196	66574	9.03	ng/ul	95
39) 2,4,5-Trichlorophenol	13.30	196	74691	9.93	ng/ul	93
40) 1,1'-Biphenyl	13.61	154	250879	10.48	ng/ul	95
41) 2-Chloronaphthalene	13.66	162	184236	9.55	ng/ul	96
42) 2-Nitroaniline	13.87	65	71877	8.37	ng/ul#	68
44) Dimethylphthalate	14.23	163	278781	10.37	ng/ul	98
45) 2,6-Dinitrotoluene	14.35	165	53785	9.22	ng/ul#	83
47) Acenaphthylene	14.50	152	328046	10.74	ng/ul	98
48) 3-Nitroaniline	14.69	138	51566	10.35	ng/ul#	61
49) Acenaphthene	14.85	153	216711	10.50	ng/ul	99
50) 2,4-Dinitrophenol	14.90	184	24995	6.83	ng/ul#	64
52) 4-Nitrophenol	15.01	109	42896	7.69	ng/ul#	70
53) Dibenzofuran	15.18	168	336860m	11.06	ng/ul	
54) 2,4-Dinitrotoluene	15.14	165	86612	9.75	ng/ul#	63
55) 2,3,4,6-Tetrachlorophenol	15.41	232	73306	9.65	ng/ul#	94
56) Diethylphthalate	15.59	149	292426	10.23	ng/ul	97
58) Fluorene	15.83	166	283277	11.28	ng/ul	94
59) 4-Chlorophenyl-phenylether	15.82	204	133489	9.70	ng/ul	95
60) 4-Nitroaniline	15.86	138	64022	10.45	ng/ul#	57
63) 4,6-Dinitro-2-methylphenol	15.91	198	50748	7.77	ng/ul#	73
64) N-Nitrosodiphenylamine	16.03	169	250602	9.66	ng/ul	97
65) 4-Bromophenyl-phenylether	16.72	248	101985	9.87	ng/ul	96
66) Hexachlorobenzene	16.85	284	107569	10.17	ng/ul#	88
67) Atrazine	16.99	200	100555	9.09	ng/ul	96
68) Pentachlorophenol	17.20	266	45294	6.90	ng/ul	92
69) Phenanthrene	17.59	178	498494	10.78	ng/ul	98
71) Anthracene	17.68	178	506719	10.45	ng/ul	99
72) Carbazole	17.96	167	443882	11.64	ng/ul	97
73) Di-n-butylphthalate	18.49	149	520832	9.85	ng/ul#	97
74) Fluoranthene	19.60	202	603555	12.42	ng/ul#	89
77) Pyrene	19.96	202	628941	11.30	ng/ul#	92
78) Butylbenzylphthalate	20.83	149	216405	8.95	ng/ul#	84
79) 3,3'-Dichlorobenzidine	21.75	252	153454	8.40	ng/ul#	94
80) Benzo(a)anthracene	21.83	228	551629	10.15	ng/ul	96
81) Bis(2-ethylhexyl)phthalate	21.72	149	288357	8.73	ng/ul	99
82) Chrysene	21.90	228	498372	10.10	ng/ul	98
84) Di-n-octyl phthalate	22.98	149	498407	10.00	ng/ul	100
85) Benzo(b)fluoranthene	24.15	252	522536	9.55	ng/ul#	91
86) Benzo(k)fluoranthene	24.22	252	525665	10.14	ng/ul#	92
88) Benzo(a)pyrene	25.07	252	500370	9.59	ng/ul#	93
89) Indeno(1,2,3-cd)pyrene	29.09	276	568884	9.68	ng/ul#	89
90) Dibenzo(a,h)anthracene	29.16	278	498409m	10.30	ng/ul	
91) Benzo(g,h,i)perylene	30.31	276	469507	9.67	ng/ul#	82

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

