

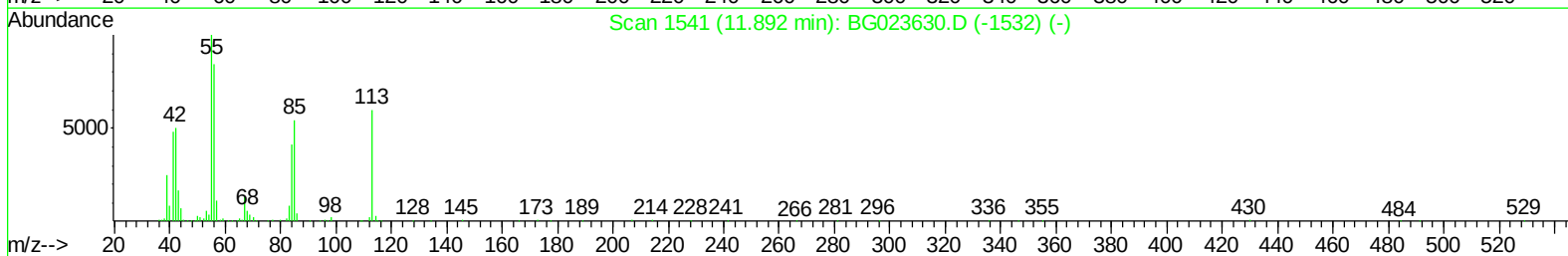
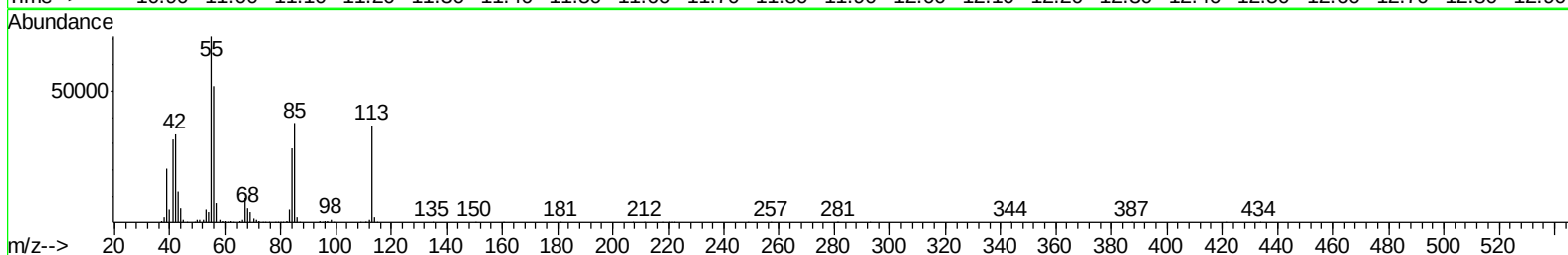
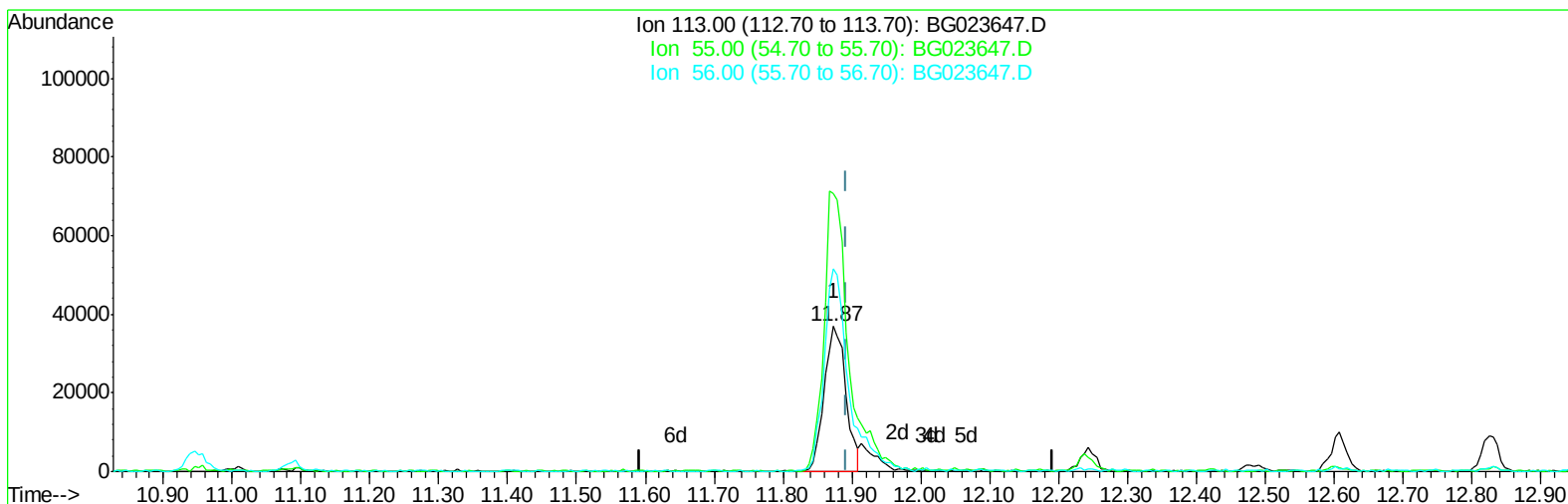
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023647.D
Acq On : 12 Aug 2016 8:31
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations
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sohil
8/15/2016 6:48:22 PM

Quant Time: Aug 13 01:27:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023647.D

(32) Caprolactam

11.873min (-0.019) 16.37ng/ul

response 80152

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	191.65#
56.00	83.00	140.00#
0.00	0.00	0.00

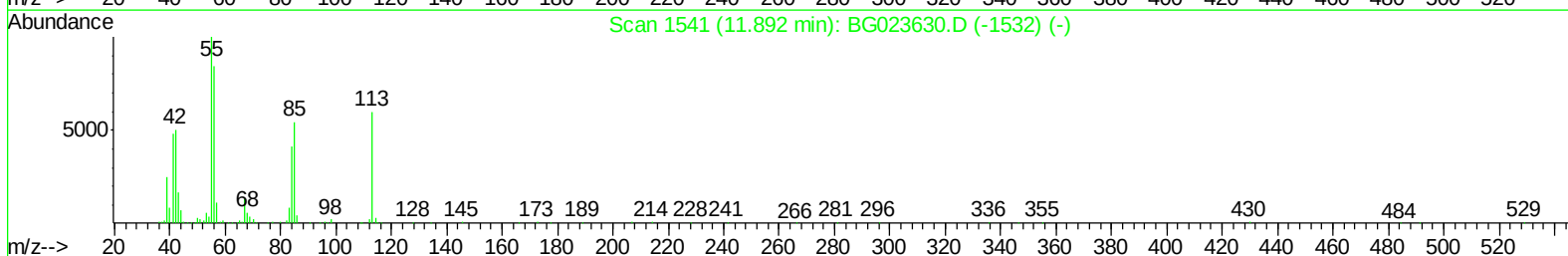
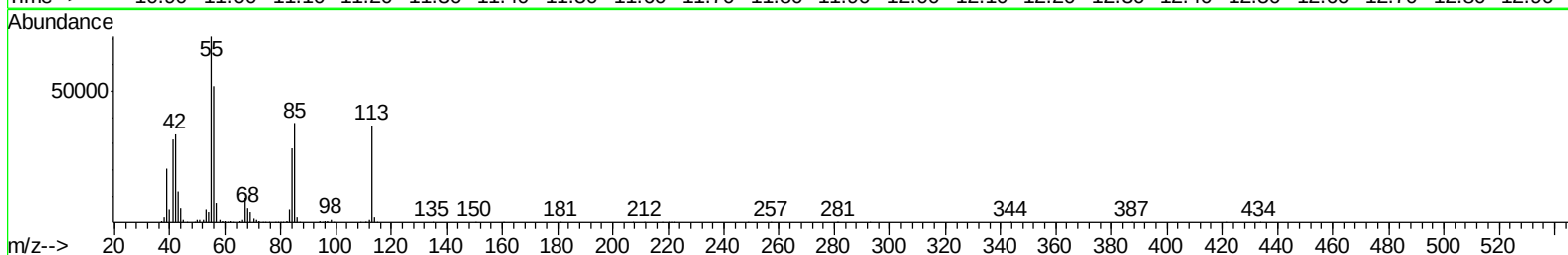
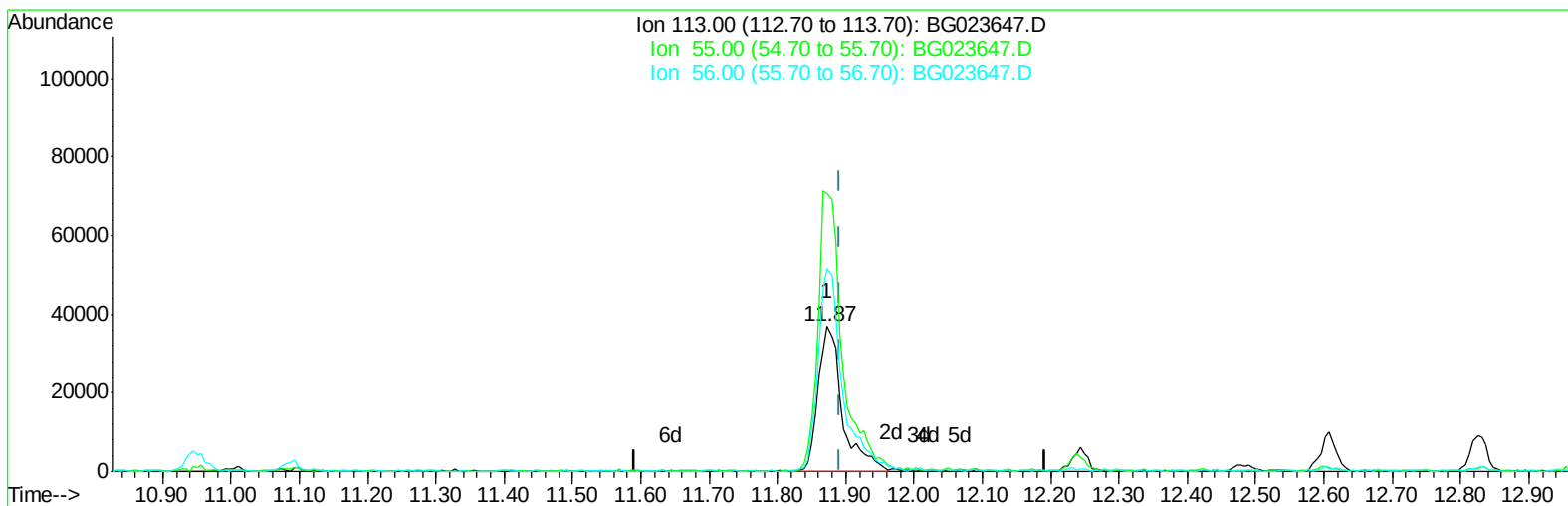
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023647.D
Acq On : 12 Aug 2016 8:31
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations
APPROVED

sohil
8/15/2016 6:48:22 PM

Quant Time: Aug 13 01:27:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023647.D

(32) Caprolactam

11.873min (-0.019) 18.60ng/ul m

response 91109

Ion	Exp%	Act%
113.00	100	100
55.00	124.50	191.65#
56.00	83.00	140.00#
0.00	0.00	0.00

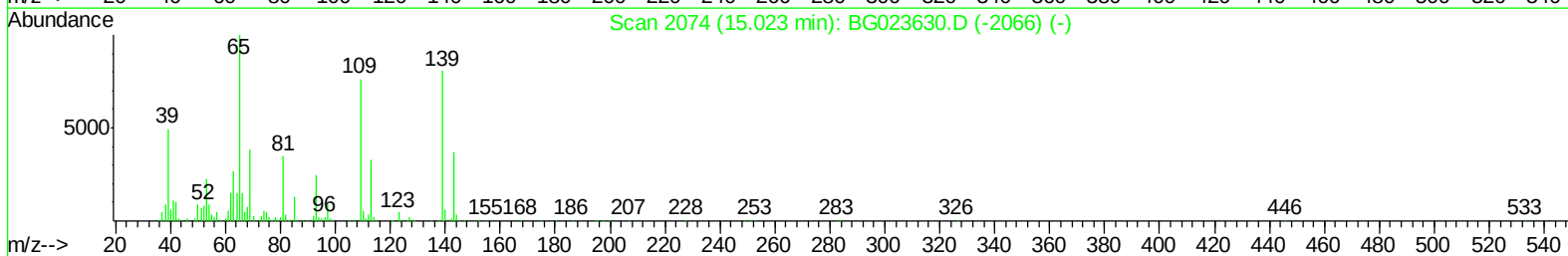
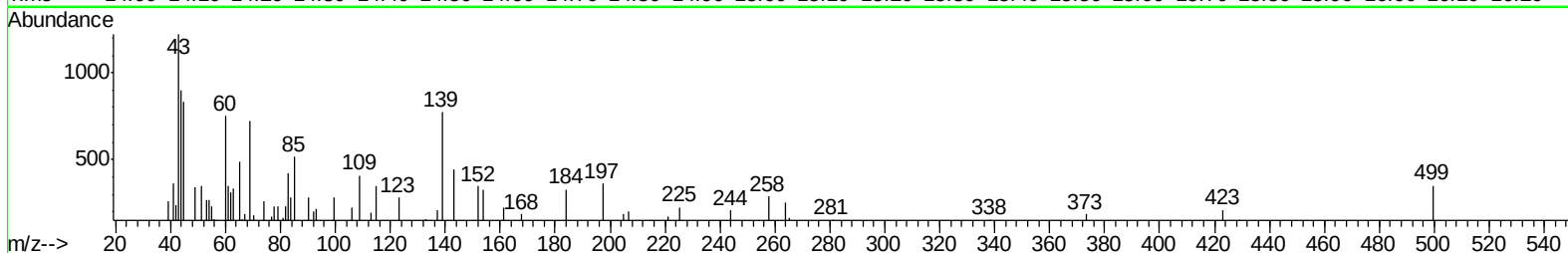
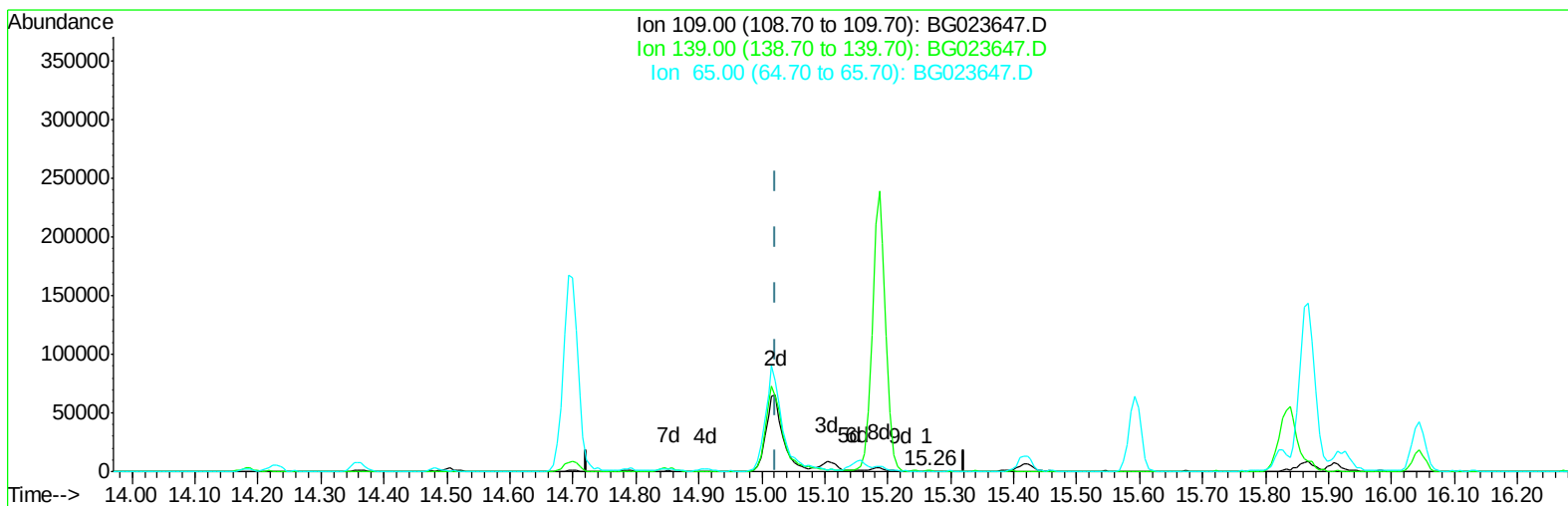
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023647.D
Acq On : 12 Aug 2016 8:31
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations
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Quant Time: Aug 13 01:27:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023647.D

(52) 4-Nitrophenol

15.263min (+0.240) 0.03ng/ul

response 166

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	189.43
65.00	132.50	120.39
0.00	0.00	0.00

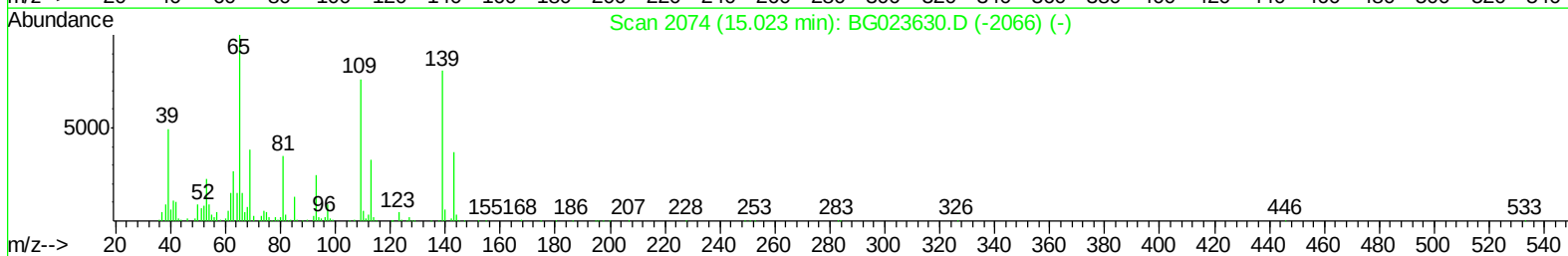
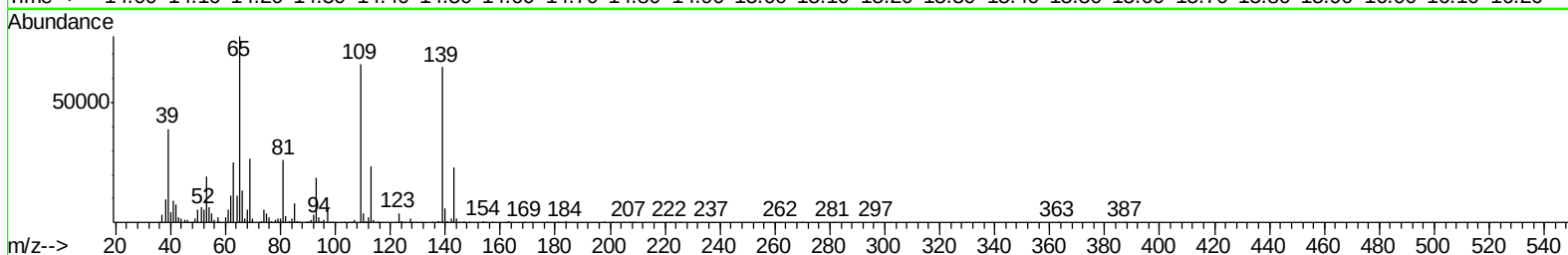
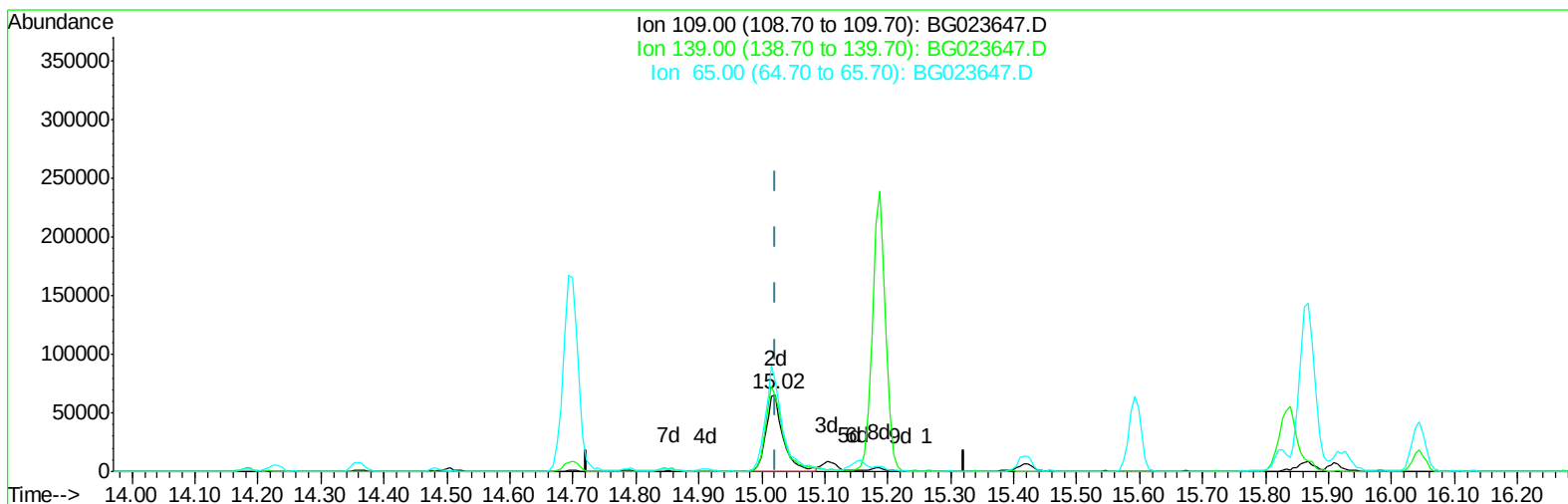
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023647.D
Acq On : 12 Aug 2016 8:31
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations
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Quant Time: Aug 13 01:27:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023647.D

(52) 4-Nitrophenol

15.022min (-0.001) 19.89ng/ul m

response 127517

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	98.35#
65.00	132.50	117.72
0.00	0.00	0.00

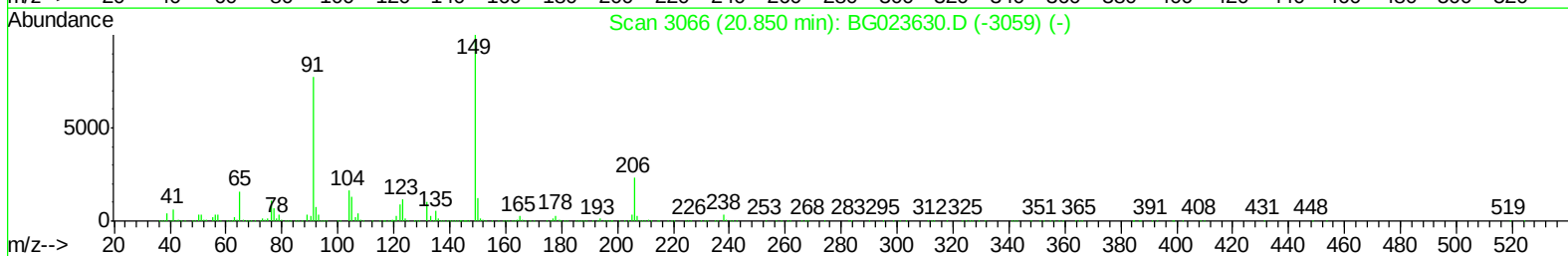
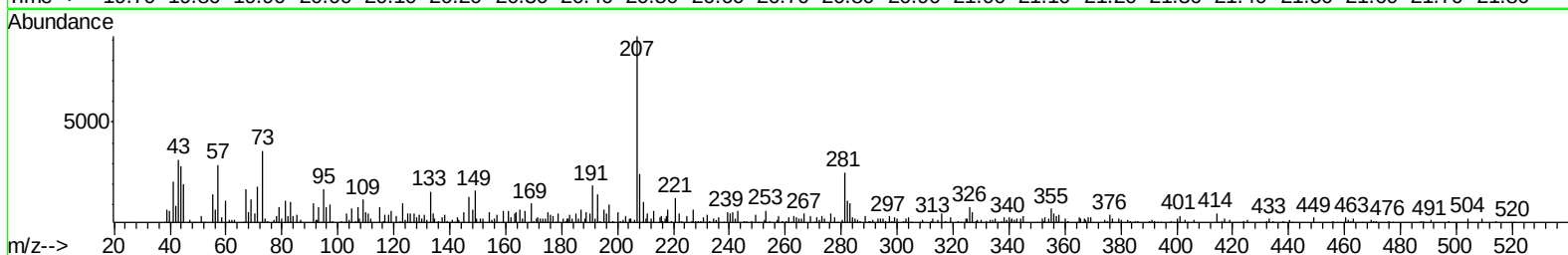
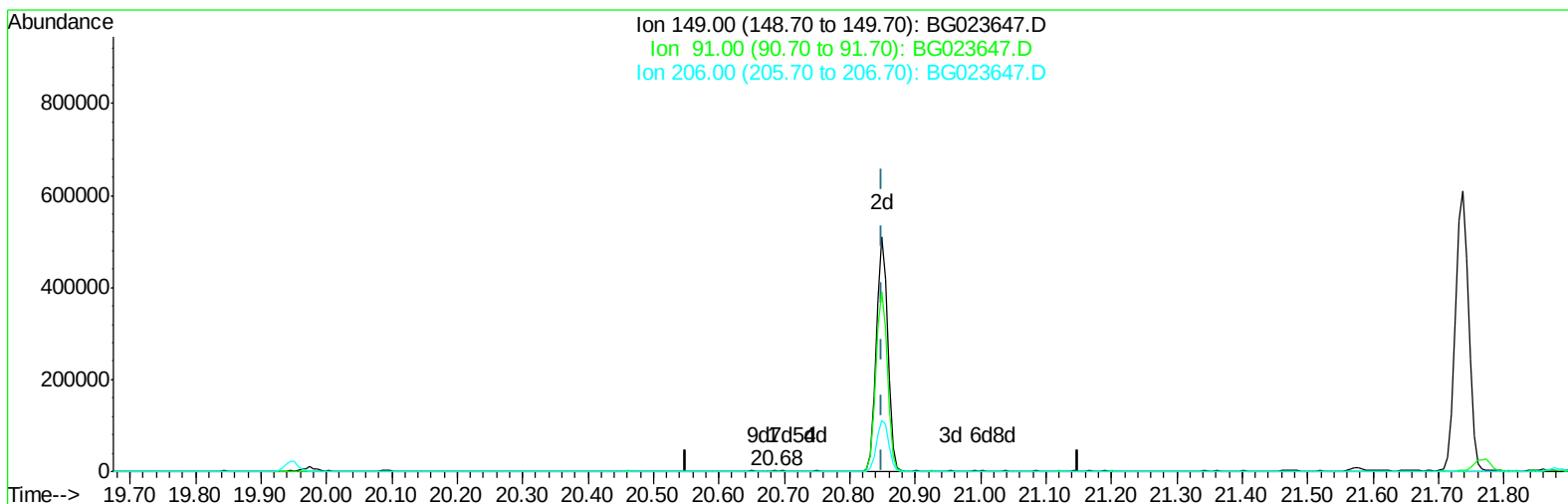
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023647.D
Acq On : 12 Aug 2016 8:31
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations
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Quant Time: Aug 13 01:27:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023647.D

(78) Butylbenzylphthalate
20.685min (-0.166) 0.03ng/ul
response 902

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	64.73
206.00	17.60	14.91
0.00	0.00	0.00

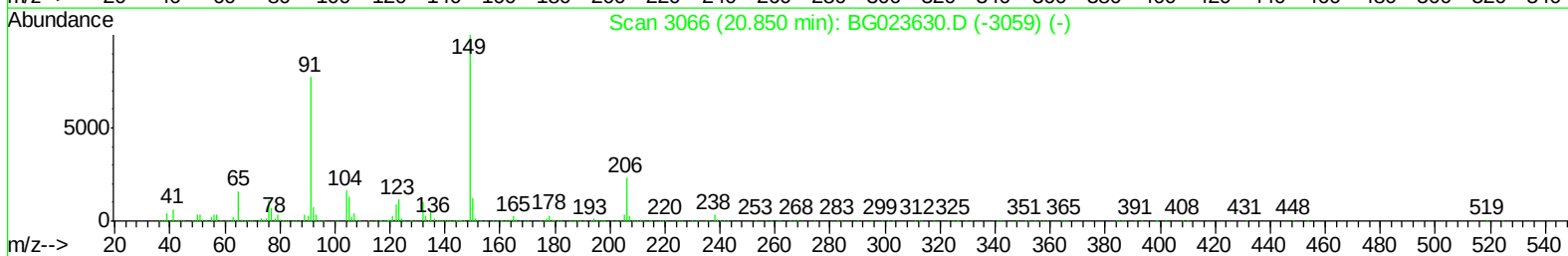
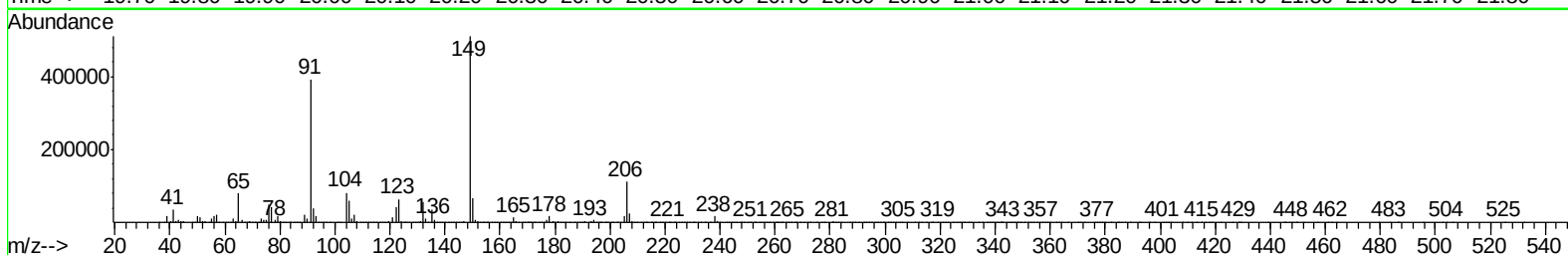
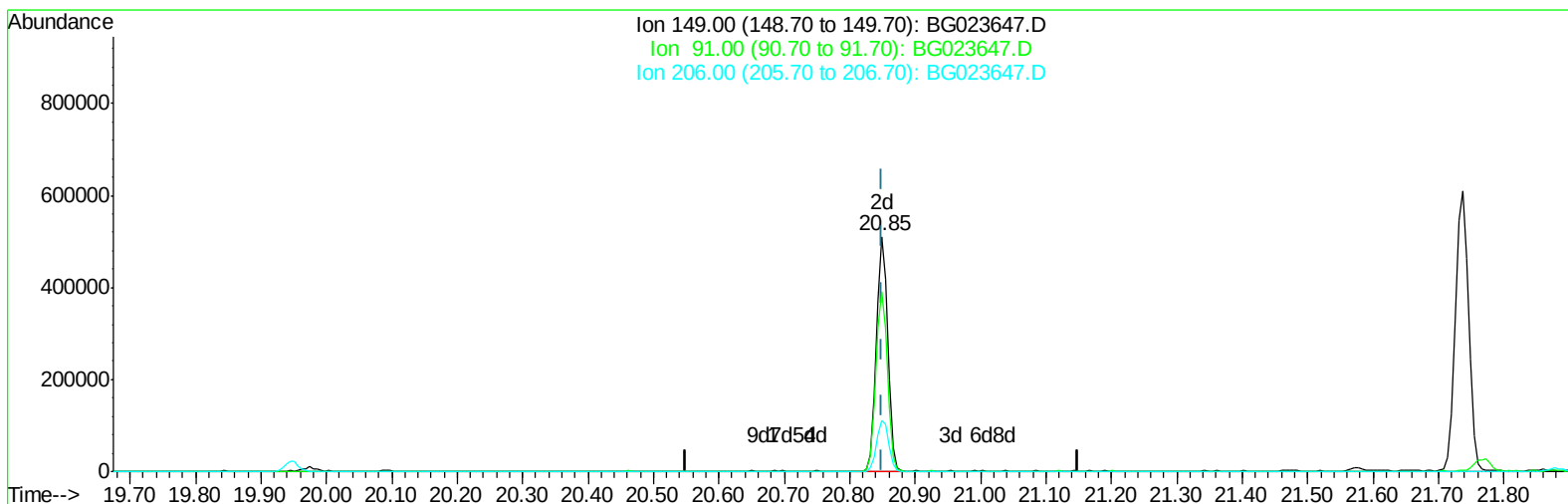
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023647.D
Acq On : 12 Aug 2016 8:31
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02029

Manual Integrations
APPROVED

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Quant Time: Aug 13 01:27:21 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023647.D

(78) Butylbenzylphthalate

20.849min (-0.001) 23.02ng/ul m

response 627461

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	76.74
206.00	17.60	21.87#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
 Data File : BG023647.D
 Acq On : 12 Aug 2016 8:31
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02029

Manual Integrations
 APPROVED

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Quant Time: Aug 13 01:29:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	151082	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.95	136	684826	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	457896	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1110866	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1149326	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	1156543	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	25651	7.22	ng/uL	0.00
5) Phenol-d5	7.27	99	302278	19.86	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	194535	19.95	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	213225	20.54	ng/ul	-0.02
13) 4-Methylphenol-d8	8.82	113	229465	19.31	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	107750	19.96	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	132604	21.39	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.57	165	246839	21.11	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.09	131	311189	22.68	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	763608	20.37	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	896829	21.25	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	137192	21.44	ng/ul	0.00
57) Fluorene-d10	15.79	176	708828	20.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	133034	18.67	ng/ul	0.00
70) Anthracene-d10	17.65	188	1075445	21.49	ng/ul	0.00
76) Pyrene-d10	19.94	212	1119458	19.24	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	1075636	20.55	ng/ul	0.01

Target Compounds

					Qvalue
2) 1,4-Dioxane	3.51	88	29160	7.82 ng/uL#	75
4) Benzaldehyde	7.24	77	202021	21.78 ng/ul	86
6) Phenol	7.29	94	309999	19.56 ng/ul#	72
8) Bis(2-Chloroethyl)ether	7.52	93	235892	20.50 ng/ul	87
10) 2-Chlorophenol	7.67	128	212469	20.09 ng/ul#	85
11) 2-Methylphenol	8.56	108	233401	19.55 ng/ul	93
12) 2,2'-oxybis(1-Chloropropan	8.65	45	320965	20.39 ng/ul	99
14) Acetophenone	8.94	105	375747	19.72 ng/ul#	79
15) N-Nitroso-di-n-propylamine	8.92	70	223456	19.49 ng/ul#	85
16) 4-Methylphenol	8.89	108	257499	19.25 ng/ul	95
17) Hexachloroethane	9.21	117	89663	19.65 ng/ul#	73
20) Nitrobenzene	9.34	77	322745	20.40 ng/ul#	85
21) Isophorone	9.85	82	589097	20.24 ng/ul	95
23) 2-Nitrophenol	10.05	139	140706	21.02 ng/ul#	61
24) 2,4-Dimethylphenol	10.10	107	293297	19.97 ng/ul	90
25) Bis(2-Chloroethoxy)methane	10.34	93	337447	20.10 ng/ul	95
27) 2,4-Dichlorophenol	10.60	162	242173	20.54 ng/ul	97
28) Naphthalene	11.00	128	707568	20.35 ng/ul	99
30) 4-Chloroaniline	11.11	127	303848	22.31 ng/ul	99
31) Hexachlorobutadiene	11.27	225	169663	21.60 ng/ul	95
32) Caprolactam	11.87	113	91109m	18.60 ng/ul	
33) 4-Chloro-3-methylphenol	12.24	107	299062	19.71 ng/ul#	80
34) 2-Methylnaphthalene	12.61	142	557776	19.79 ng/ul	90

Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
 Data File : BG023647.D
 Acq On : 12 Aug 2016 8:31
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02029

Manual Integrations
 APPROVED

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 8/15/2016 6:48:22 PM

Quant Time: Aug 13 01:29:17 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.98	216	313259	22.28	ng/ul	97
37) Hexachlorocyclopentadiene	12.95	237	119958	15.43	ng/ul	99
38) 2,4,6-Trichlorophenol	13.22	196	223127	22.91	ng/ul	99
39) 2,4,5-Trichlorophenol	13.30	196	221620	21.23	ng/ul	97
40) 1,1'-Biphenyl	13.61	154	726206	21.58	ng/ul	97
41) 2-Chloronaphthalene	13.66	162	575569	22.00	ng/ul	96
42) 2-Nitroaniline	13.87	65	230567	21.58	ng/ul#	65
44) Dimethylphthalate	14.23	163	756174	20.37	ng/ul	99
45) 2,6-Dinitrotoluene	14.36	165	171933	21.36	ng/ul	95
47) Acenaphthylene	14.51	152	946935	21.46	ng/ul	99
48) 3-Nitroaniline	14.69	138	176256	23.29	ng/ul#	68
49) Acenaphthene	14.85	153	623602	20.74	ng/ul	96
50) 2,4-Dinitrophenol	14.92	184	68041	13.70	ng/ul#	92
52) 4-Nitrophenol	15.02	109	127517m	19.89	ng/ul	
53) Dibenzofuran	15.19	168	918660	20.62	ng/ul	91
54) 2,4-Dinitrotoluene	15.16	165	254216	20.85	ng/ul#	74
55) 2,3,4,6-Tetrachlorophenol	15.42	232	228668	21.33	ng/ul	100
56) Diethylphthalate	15.59	149	785215	20.24	ng/ul	94
58) Fluorene	15.84	166	754446	20.33	ng/ul	97
59) 4-Chlorophenyl-phenylether	15.83	204	384199	20.58	ng/ul	99
60) 4-Nitroaniline	15.87	138	184267	21.00	ng/ul#	66
63) 4,6-Dinitro-2-methylphenol	15.93	198	133576	17.85	ng/ul#	85
64) N-Nitrosodiphenylamine	16.04	169	678409	21.85	ng/ul	97
65) 4-Bromophenyl-phenylether	16.73	248	269415	21.15	ng/ul	96
66) Hexachlorobenzene	16.85	284	288659	21.27	ng/ul	95
67) Atrazine	17.00	200	286731	22.36	ng/ul	98
68) Pentachlorophenol	17.21	266	137822	18.41	ng/ul	93
69) Phenanthrene	17.59	178	1220183	21.21	ng/ul	99
71) Anthracene	17.69	178	1258581	21.44	ng/ul	96
72) Carbazole	17.96	167	1081544	22.86	ng/ul	99
73) Di-n-butylphthalate	18.50	149	1374646	23.20	ng/ul#	95
74) Fluoranthene	19.61	202	1381616	23.46	ng/ul#	94
77) Pyrene	19.97	202	1398288	19.68	ng/ul	95
78) Butylbenzylphthalate	20.85	149	627461m	23.02	ng/ul	
79) 3,3'-Dichlorobenzidine	21.77	252	505721	24.97	ng/ul#	97
80) Benzo(a)anthracene	21.86	228	1355285	20.94	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.74	149	864159	23.85	ng/ul#	99
82) Chrysene	21.93	228	1233108	20.95	ng/ul	95
84) Di-n-octyl phthalate	23.01	149	1425266	24.40	ng/ul	100
85) Benzo(b)fluoranthene	24.20	252	1336770	20.32	ng/ul#	94
86) Benzo(k)fluoranthene	24.27	252	1318386	20.36	ng/ul#	92
88) Benzo(a)pyrene	25.13	252	1301699	20.49	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	29.20	276	1559591	20.90	ng/ul#	85
90) Dibenzo(a,h)anthracene	29.27	278	1318066	20.71	ng/ul#	91
91) Benzo(g,h,i)perylene	30.43	276	1280956	20.70	ng/ul#	87

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

