

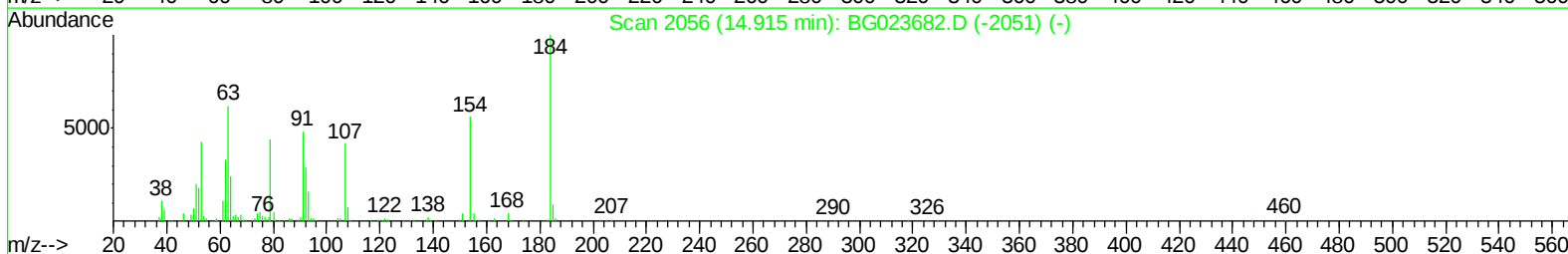
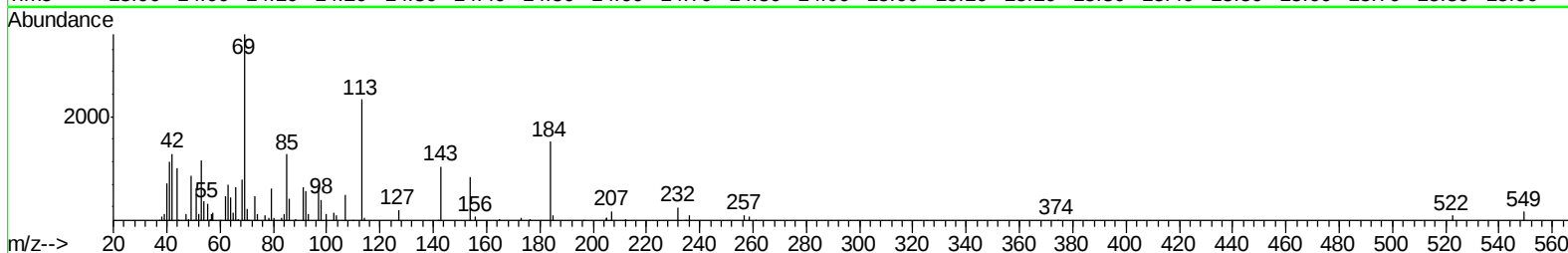
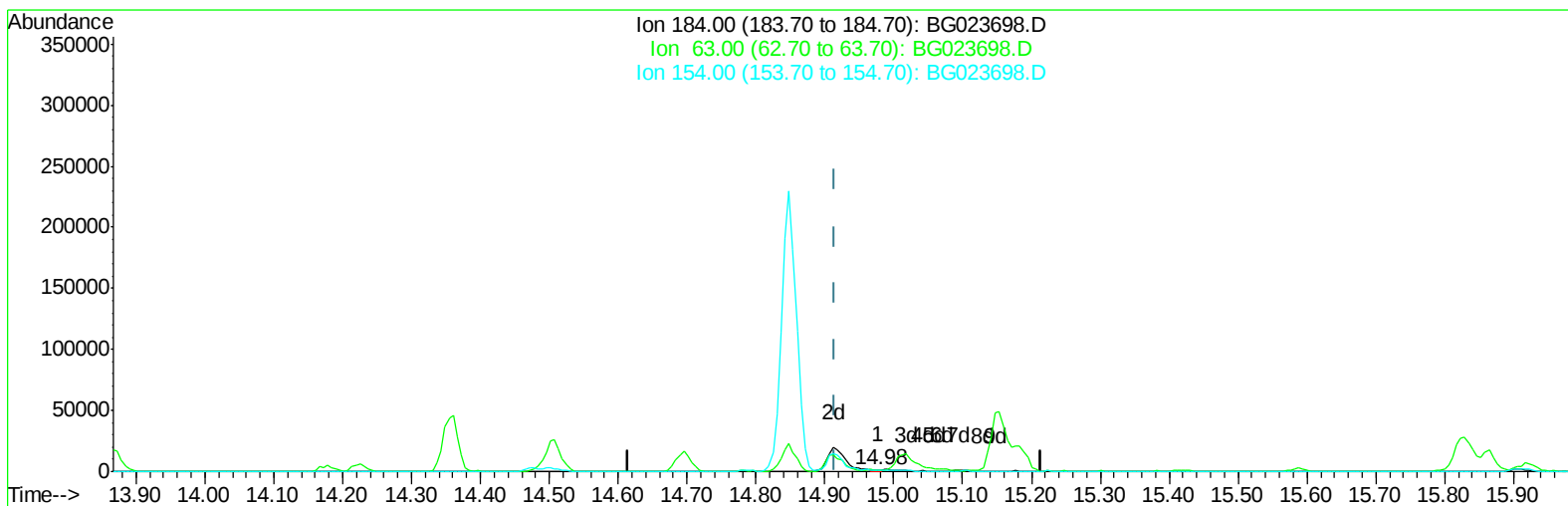
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(50) 2,4-Dinitrophenol

14.977min (+0.063) 0.44ng/ul

response 1332

Ion	Exp%	Act%
184.00	100	100
63.00	50.60	50.48
154.00	60.60	59.28
0.00	0.00	0.00

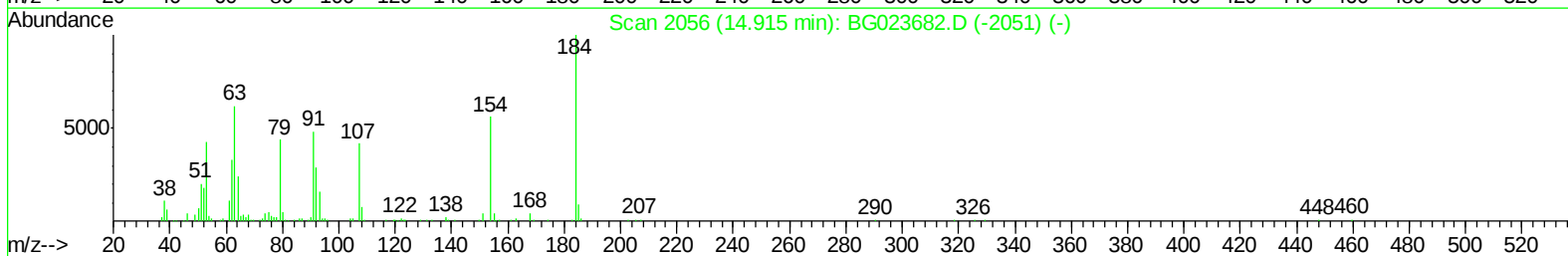
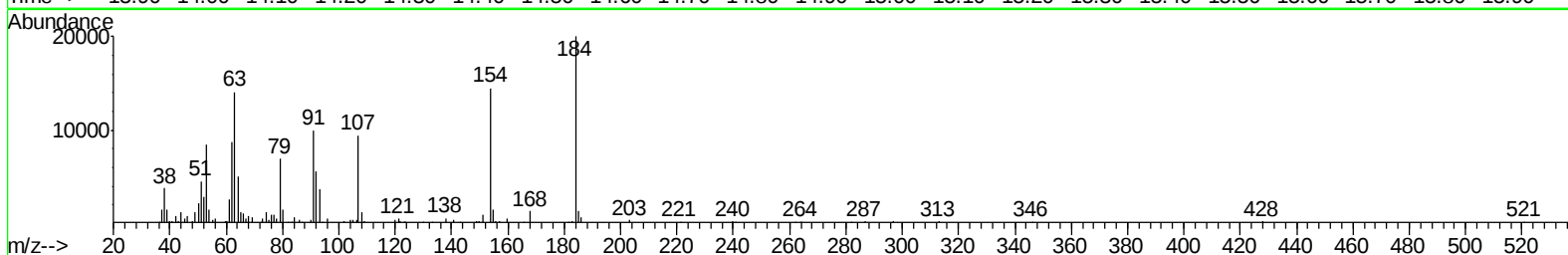
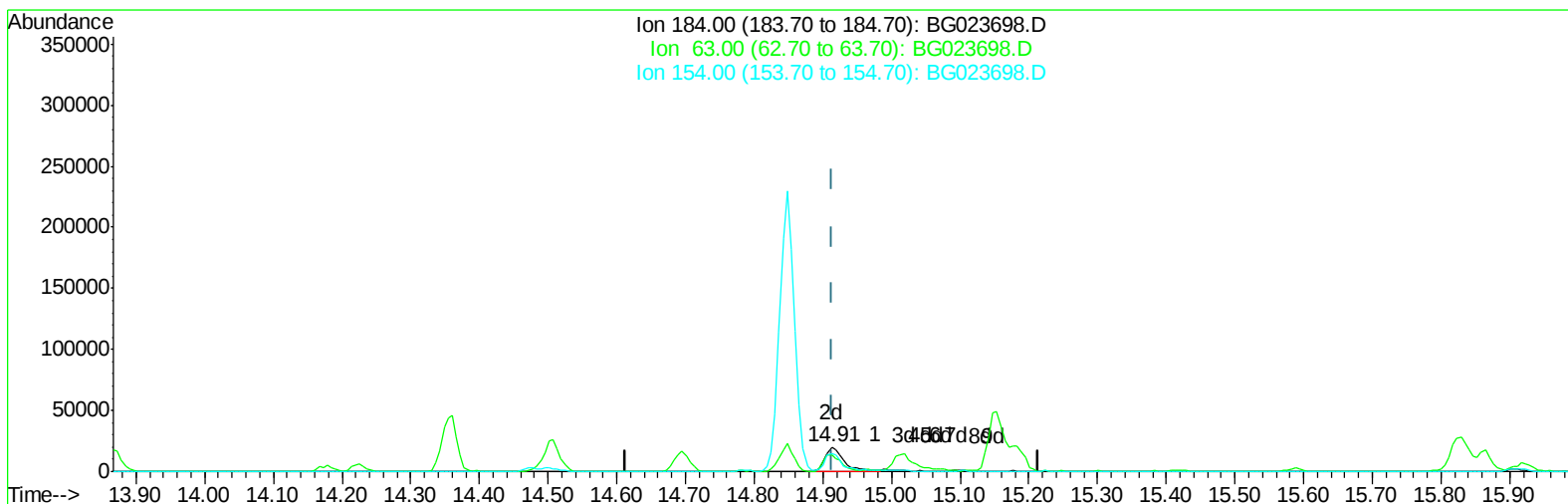
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Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(50) 2,4-Dinitrophenol

14.913min (-0.002) 12.61ng/ul m

response 37846

Ion	Exp%	Act%
184.00	100	100
63.00	50.60	70.19#
154.00	60.60	72.43
0.00	0.00	0.00

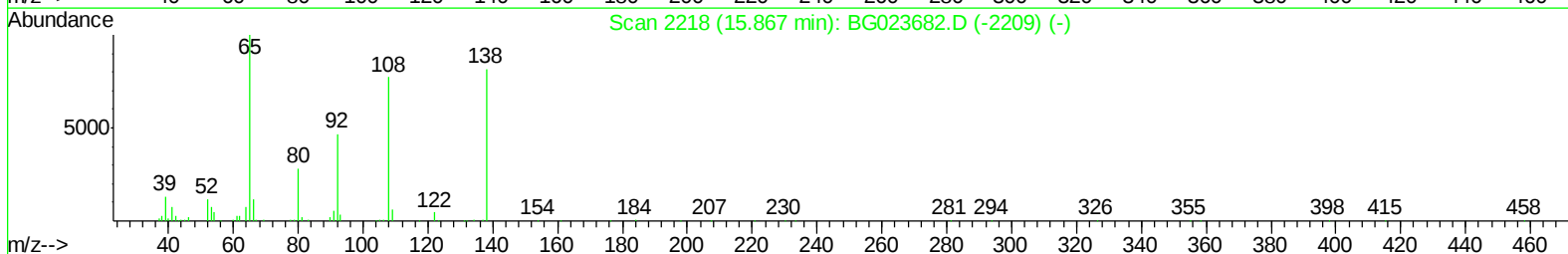
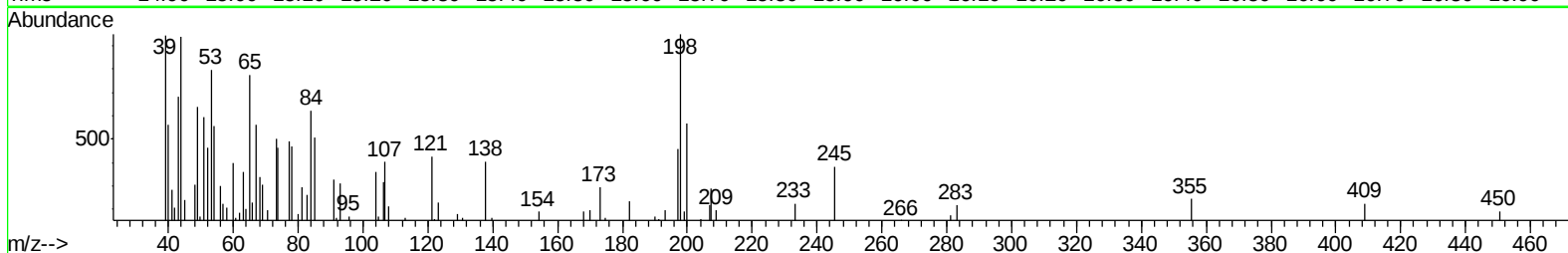
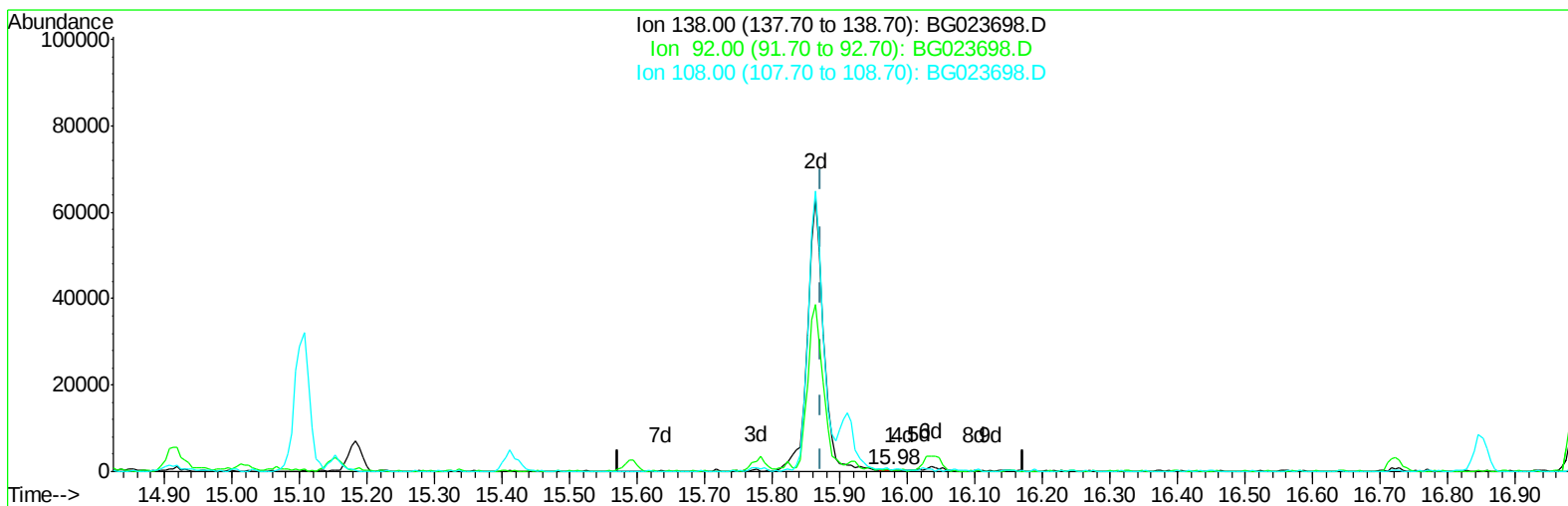
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
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Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(60) 4-Nitroaniline

15.976min (+0.104) 0.05ng/ul

response 239

Ion	Exp%	Act%
138.00	100	100
92.00	48.70	40.10
108.00	61.50	52.72
0.00	0.00	0.00

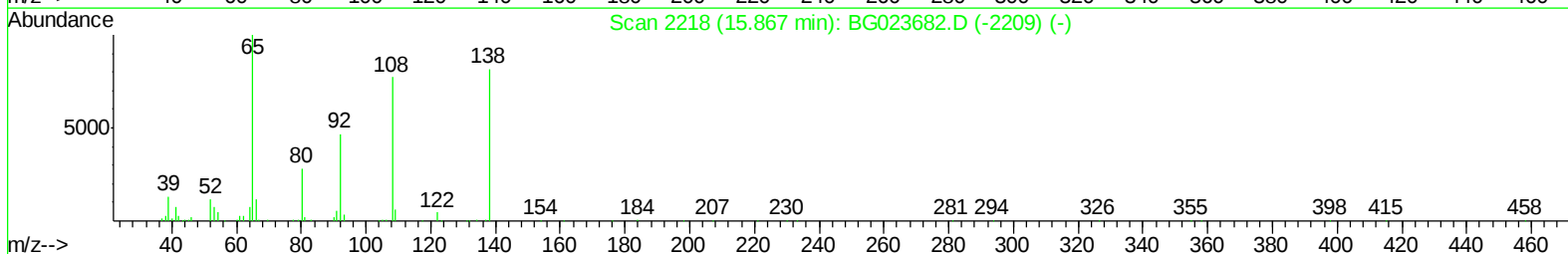
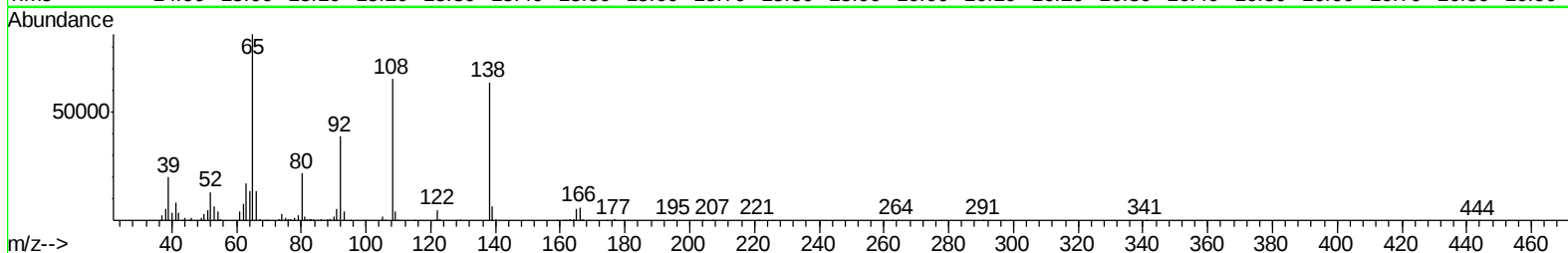
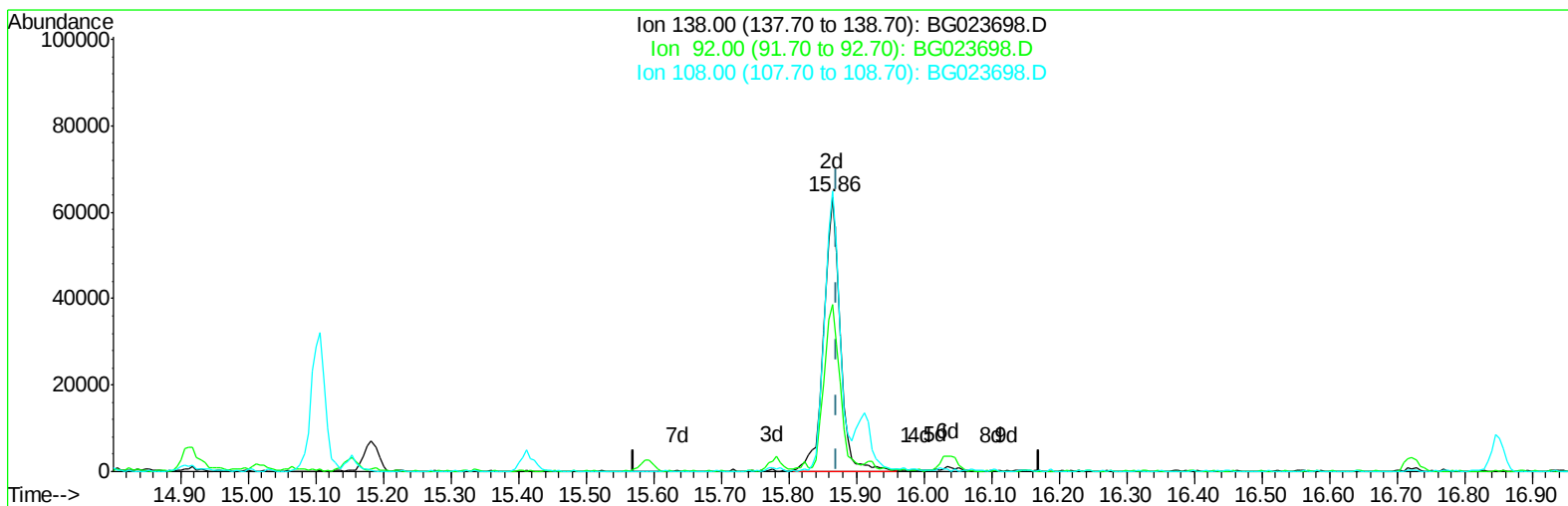
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
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umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(60) 4-Nitroaniline

15.864min (-0.008) 20.23ng/ul m

response 107249

Ion	Exp%	Act%
138.00	100	100
92.00	48.70	60.86#
108.00	61.50	102.11#
0.00	0.00	0.00

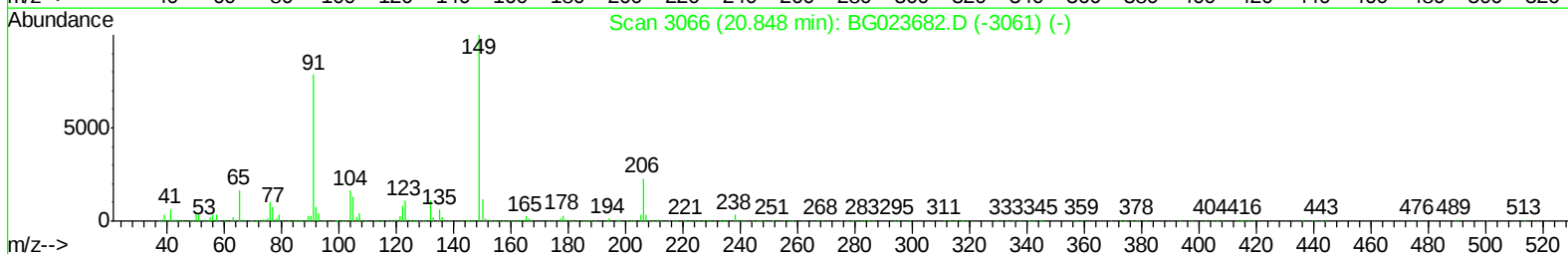
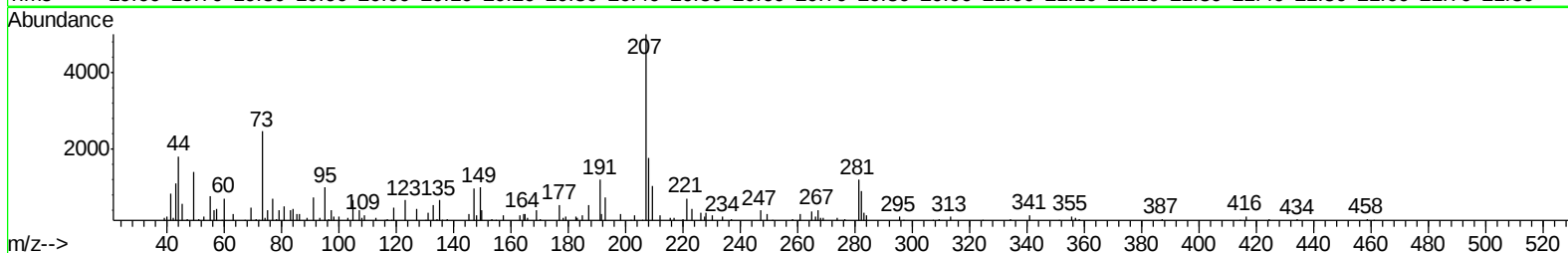
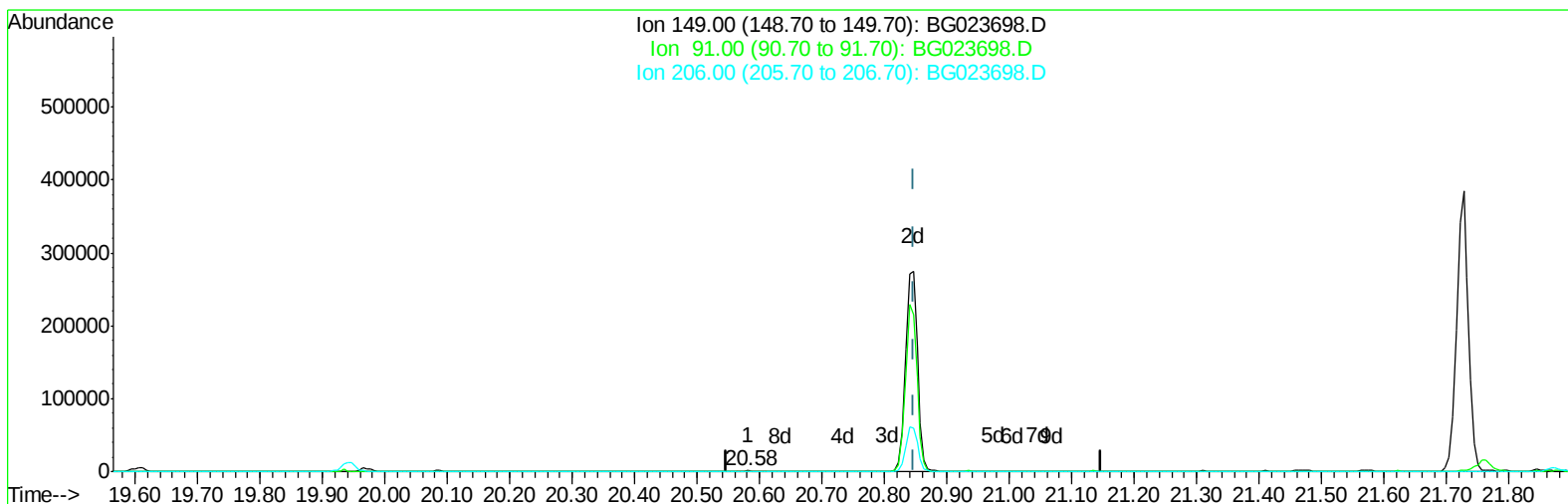
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
 Data File : BG023698.D
 Acq On : 13 Aug 2016 20:59
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02002

Manual Integrations
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umangi
 8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 06:38:14 2016
 Response via : Initial Calibration



TIC: BG023698.D

(78) Butylbenzylphthalate
 20.581min (-0.266) 0.07ng/ul
 response 1140

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	75.45
206.00	17.60	15.73
0.00	0.00	0.00

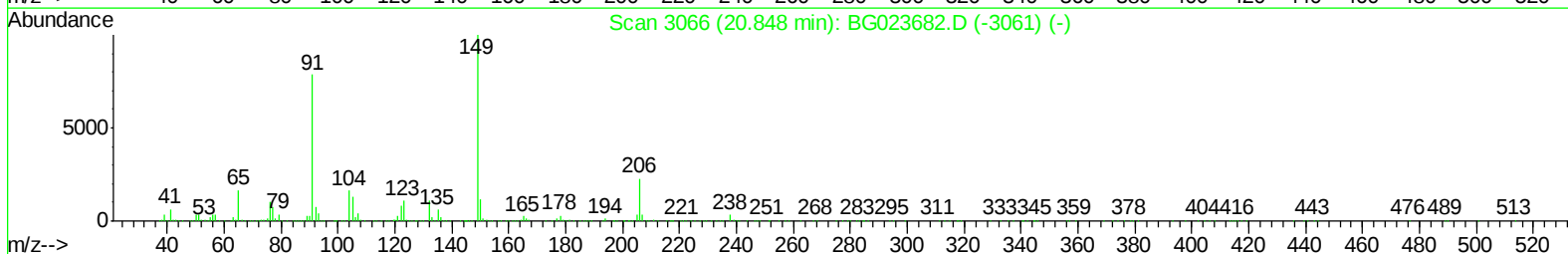
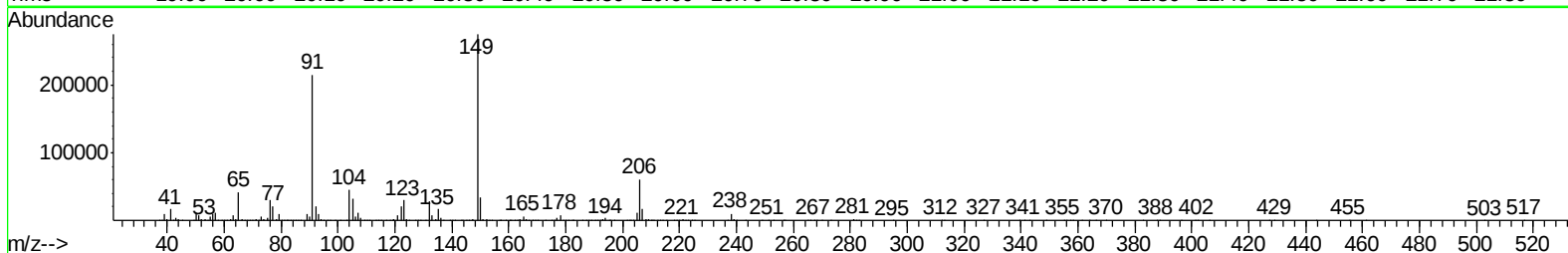
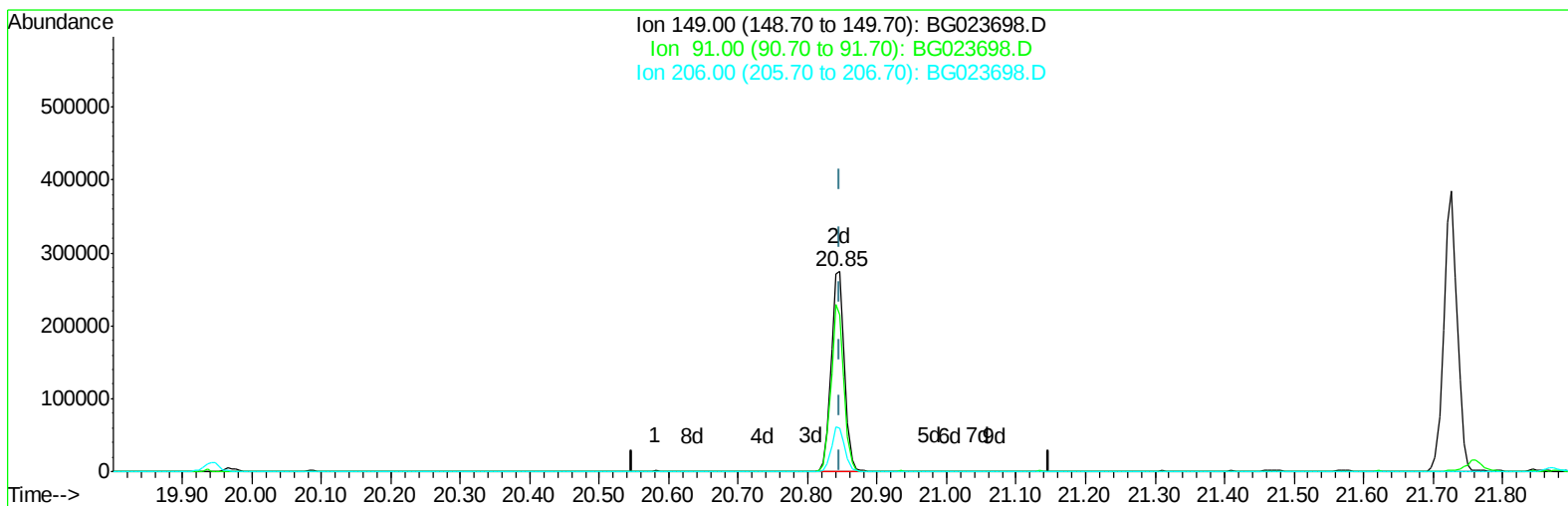
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(78) Butylbenzylphthalate

20.846min (-0.002) 22.16ng/ul m

response 366441

Ion	Exp%	Act%
149.00	100	100
91.00	67.80	78.21
206.00	17.60	22.02#
0.00	0.00	0.00

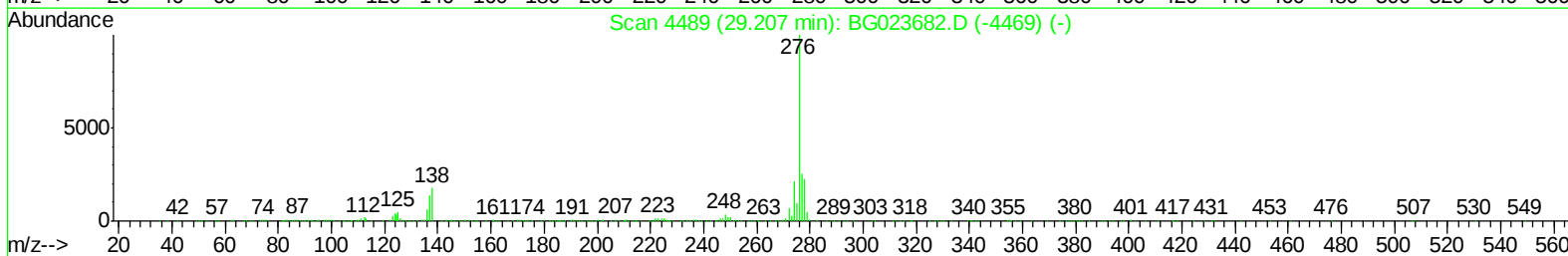
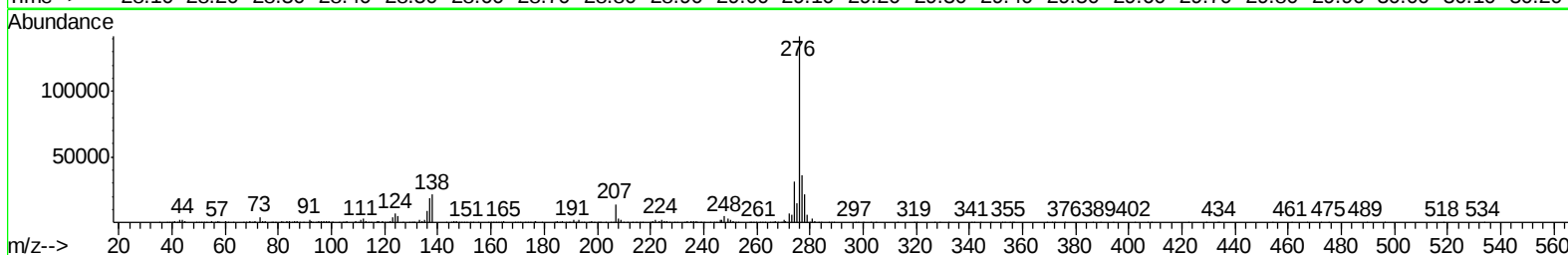
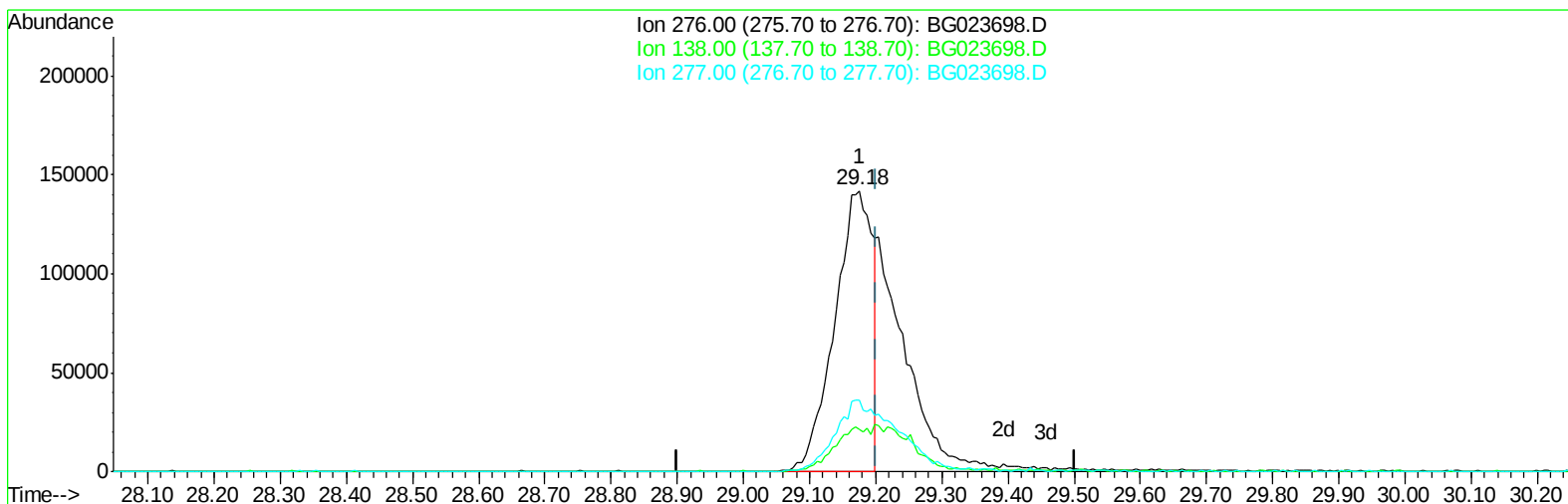
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(89) Indeno(1,2,3-cd)pyrene

29.176min (-0.025) 12.86ng/ul

response 571123

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	14.88#
277.00	22.00	25.38
0.00	0.00	0.00

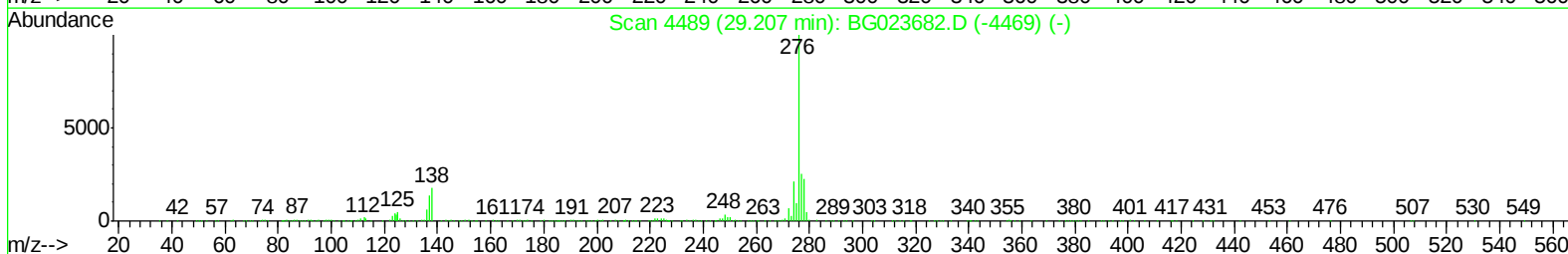
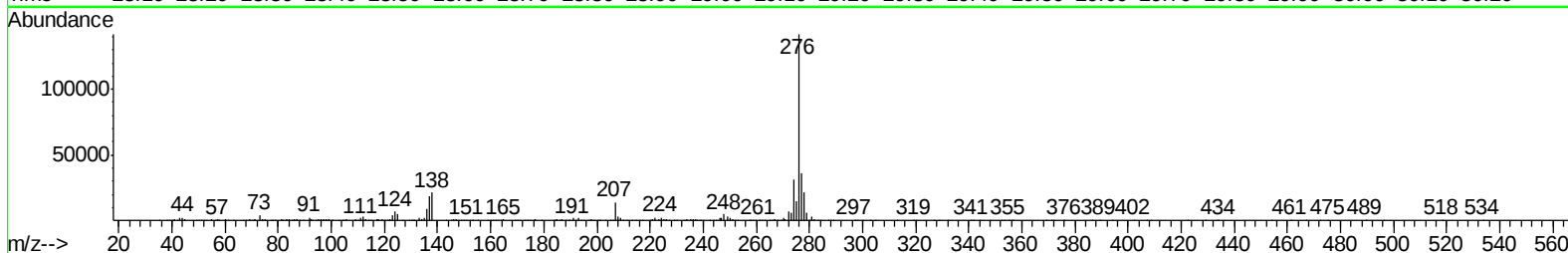
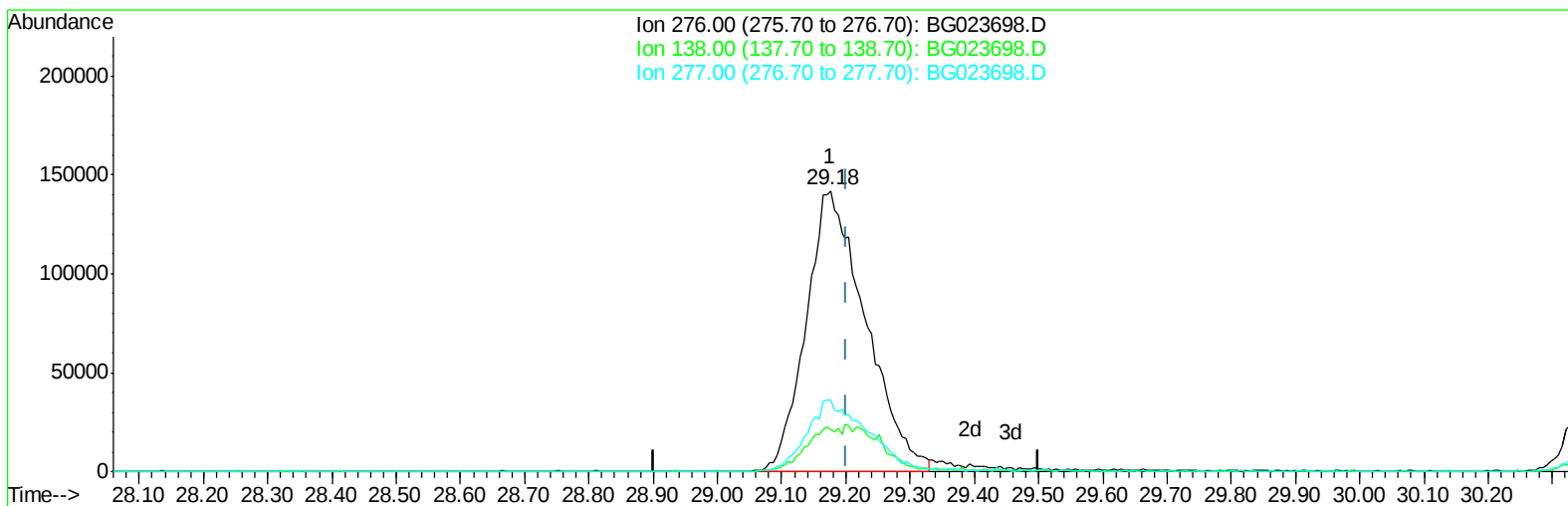
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(89) Indeno(1,2,3-cd)pyrene

29.176min (-0.025) 20.63ng/ul m

response 915745

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	14.88#
277.00	22.00	25.38
0.00	0.00	0.00

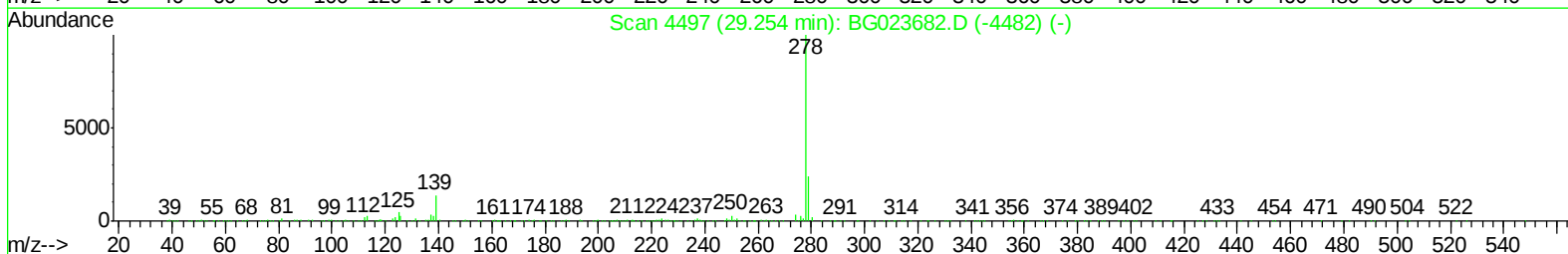
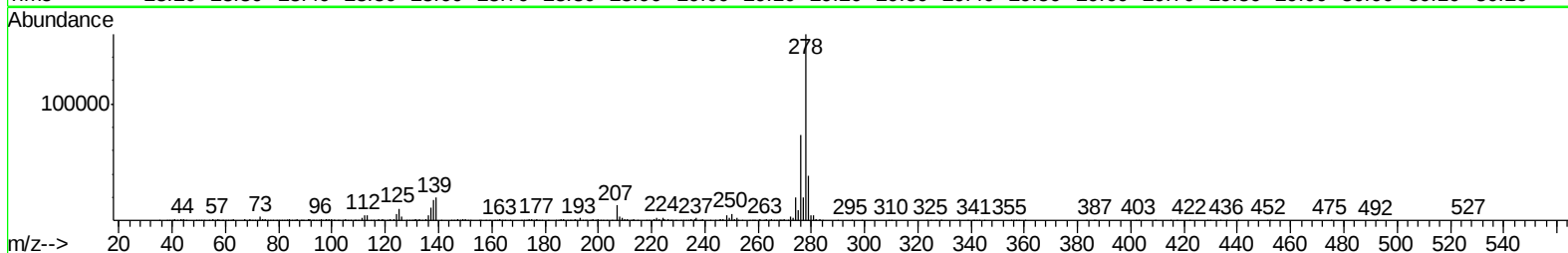
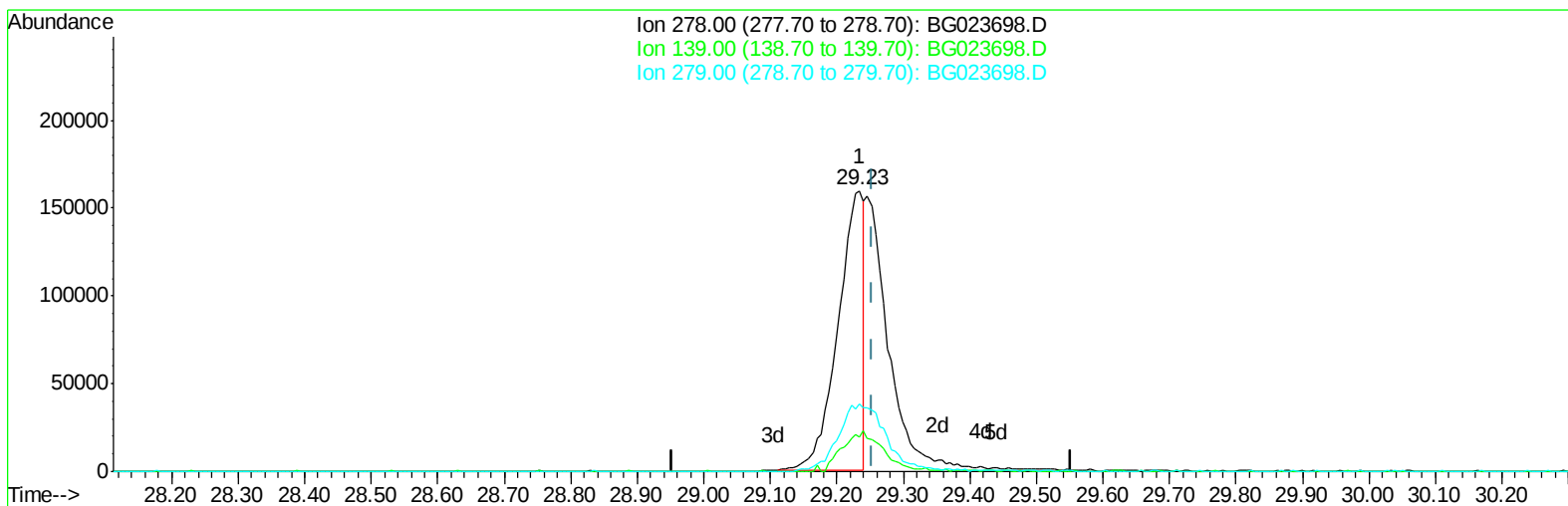
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(90) Dibenzo(a,h)anthracene

29.234min (-0.020) 11.52ng/ul

response 436146

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	12.36#
279.00	23.90	24.22
0.00	0.00	0.00

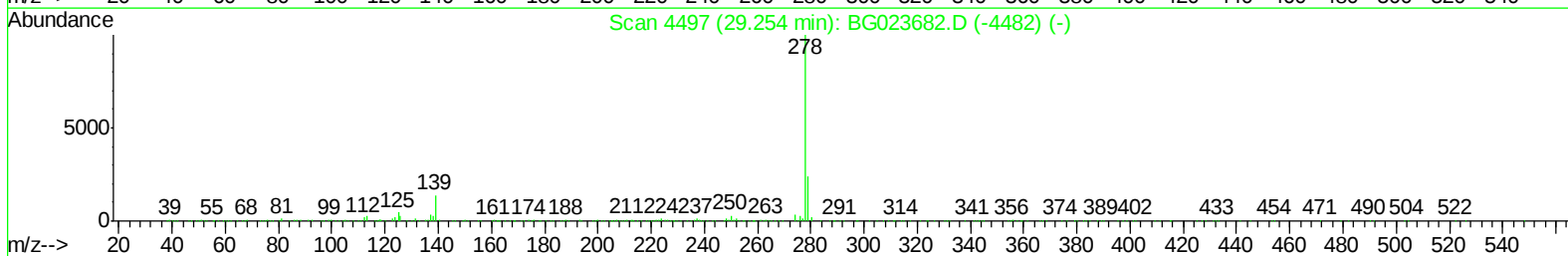
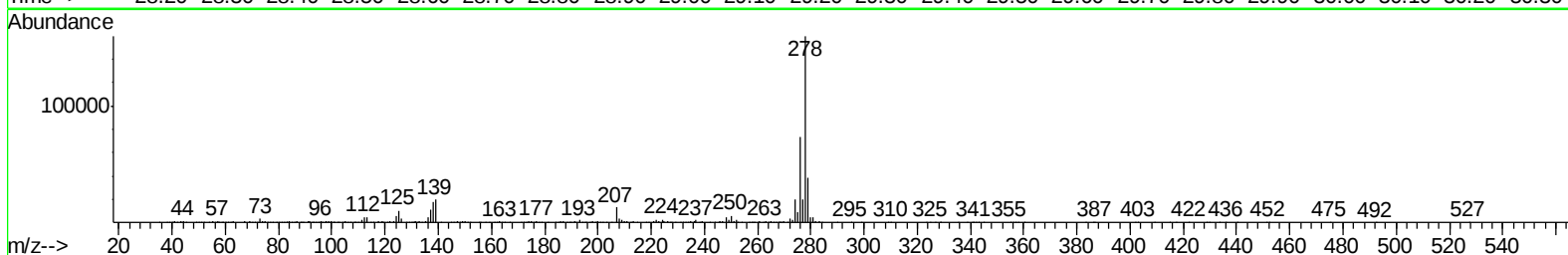
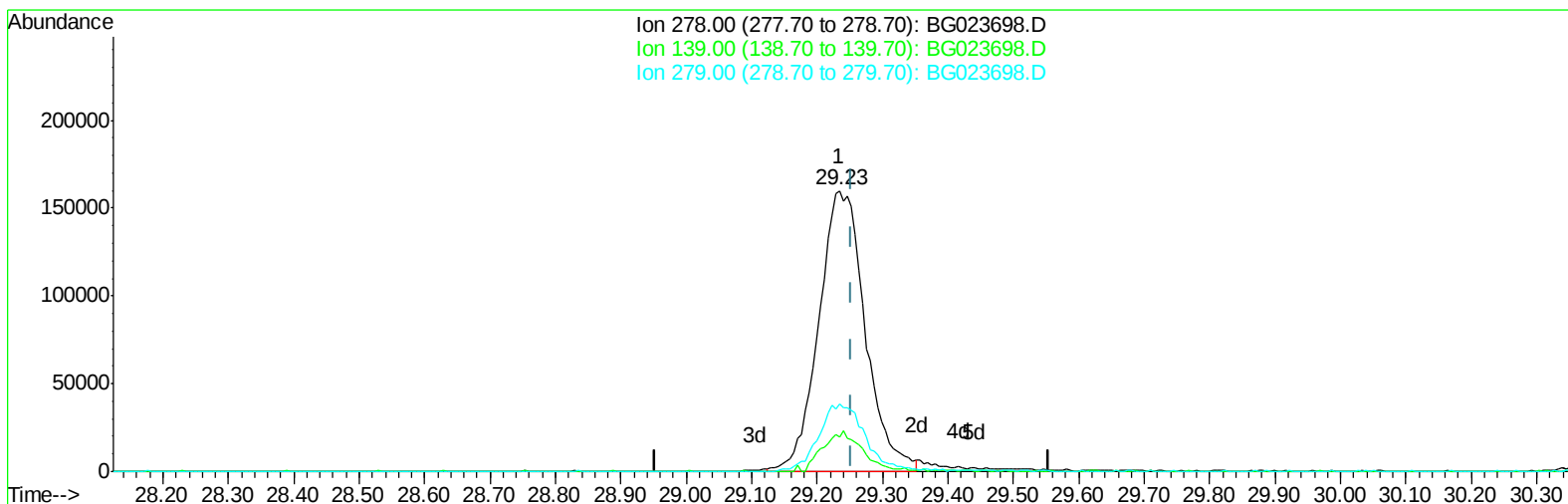
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(90) Dibenzo(a,h)anthracene

29.234min (-0.020) 20.93ng/ul m

response 792521

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	12.36#
279.00	23.90	24.22
0.00	0.00	0.00

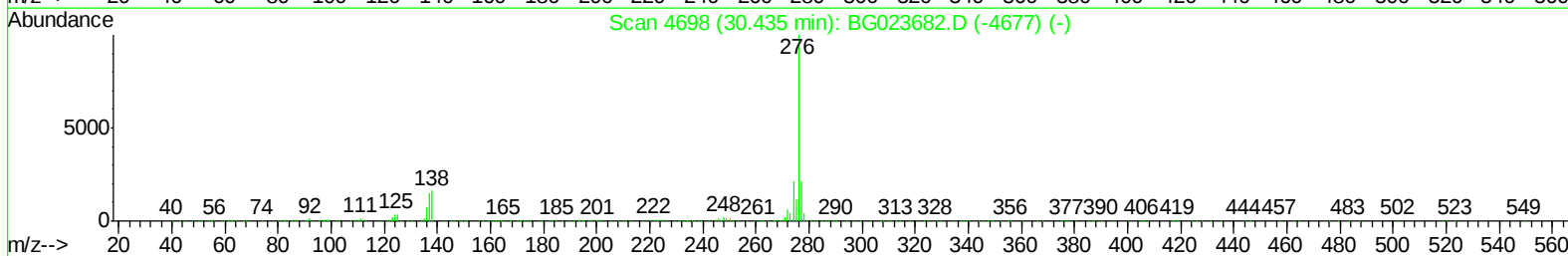
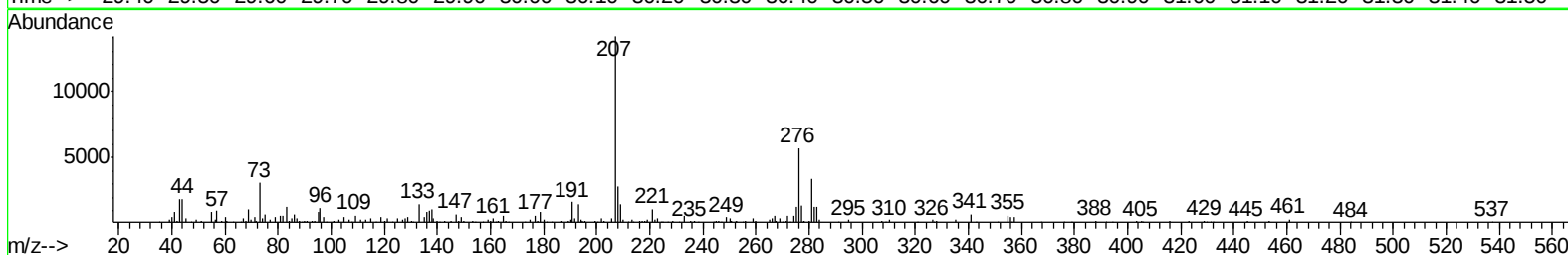
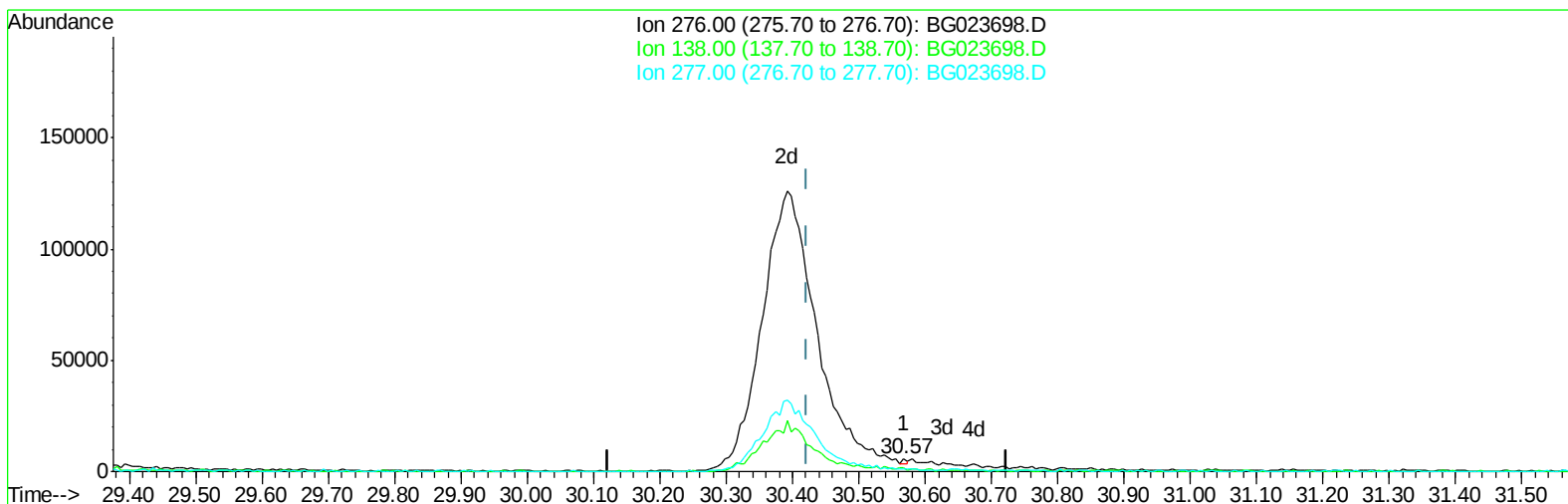
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
APPROVED

umangi
8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(91) Benzo(g,h,i)perylene

30.568min (+0.145) 0.04ng/ul

response 1315

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	28.48
277.00	21.20	23.98
0.00	0.00	0.00

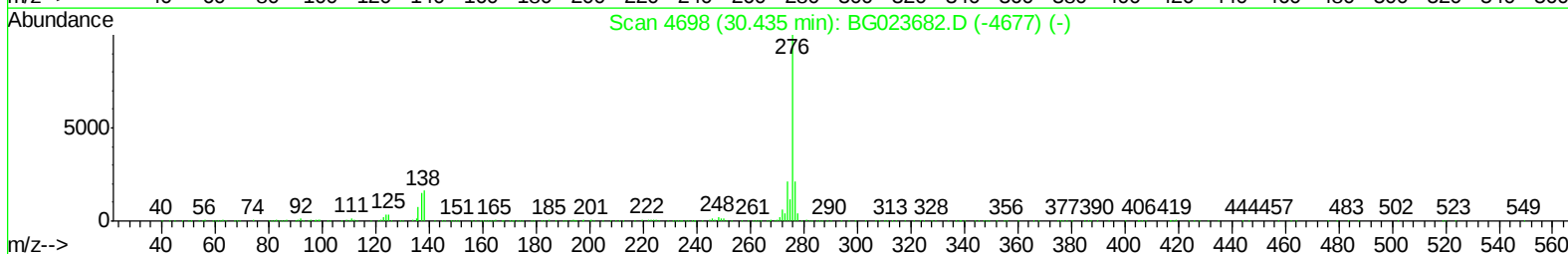
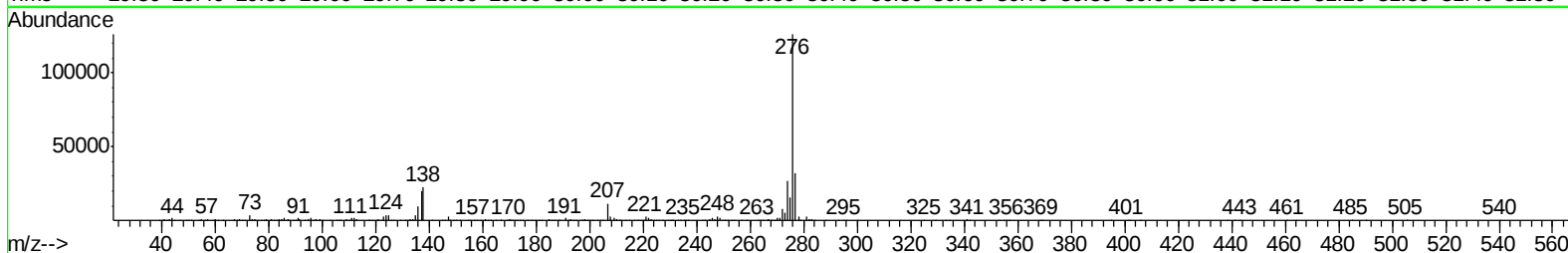
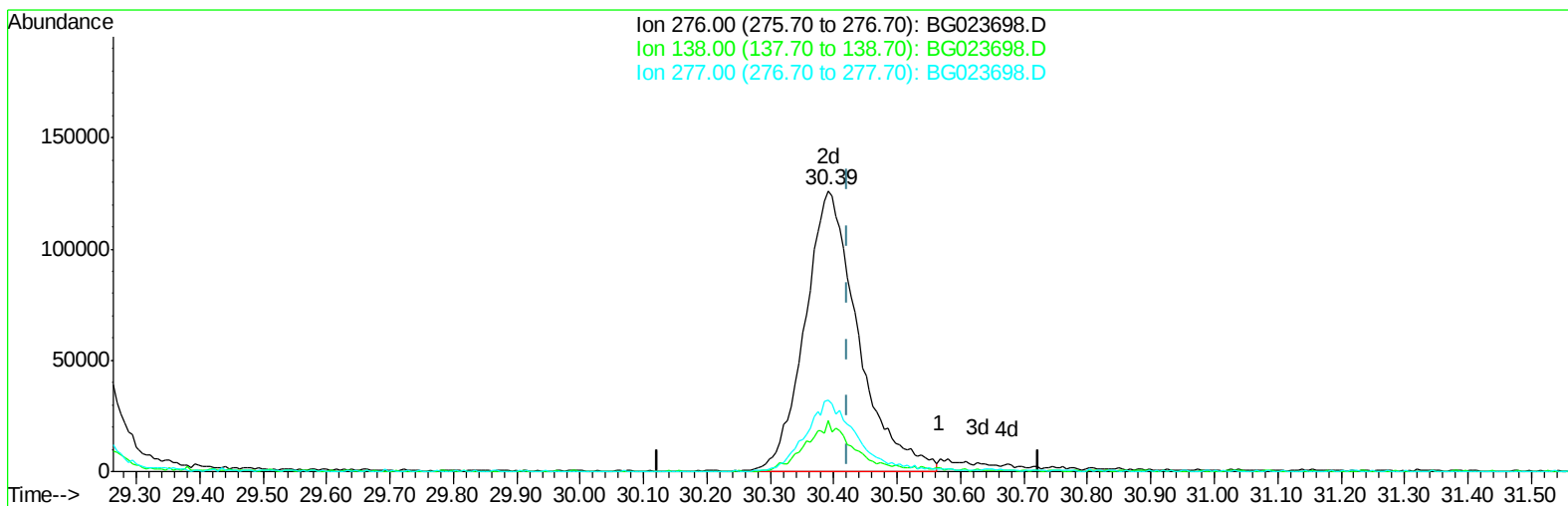
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023698.D
Acq On : 13 Aug 2016 20:59
Operator : UM/SJ
Sample : SSTDCCC020
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTD02002

Manual Integrations
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8/16/2016 6:59:29 PM

Quant Time: Aug 15 11:06:30 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 06:38:14 2016
Response via : Initial Calibration



TIC: BG023698.D

(91) Benzo(g,h,i)perylene

30.392min (-0.031) 20.00ng/ul m

response 736000

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	18.10#
277.00	21.20	25.26
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
 Data File : BG023698.D
 Acq On : 13 Aug 2016 20:59
 Operator : UM/SJ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02002

Manual Integrations
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Quant Time: Aug 15 18:14:53 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 06:38:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	87404	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	403489	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	276656	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	678060	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	697251	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	688008	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	14342	6.98	ng/uL	0.00
5) Phenol-d5	7.26	99	174219	19.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	112362	19.92	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	121241	20.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	139136	20.24	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	66959	21.05	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	77120	21.11	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	140669	20.42	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	180455	22.32	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	470484	20.77	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	565927	22.20	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	75678	19.57	ng/ul	0.00
57) Fluorene-d10	15.78	176	432654	20.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	76513	17.59	ng/ul	0.00
70) Anthracene-d10	17.65	188	646676	21.17	ng/ul	0.00
76) Pyrene-d10	19.94	212	694689	19.68	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	664700	21.34	ng/ul	-0.01

Target Compounds

						Ovalue
2) 1,4-Dioxane	3.52	88	17795	8.25	ng/uL#	70
4) Benzaldehyde	7.24	77	120578	22.47	ng/ul#	81
6) Phenol	7.29	94	181598	19.81	ng/ul#	68
8) Bis(2-Chloroethyl)ether	7.52	93	130202	19.56	ng/ul	89
10) 2-Chlorophenol	7.67	128	126310	20.65	ng/ul#	85
11) 2-Methylphenol	8.56	108	133982	19.40	ng/ul	86
12) 2,2'-oxybis(1-Chloropropan	8.64	45	186714	20.50	ng/ul	97
14) Acetophenone	8.94	105	223379	20.26	ng/ul#	80
15) N-Nitroso-di-n-propylamine	8.91	70	133726	20.16	ng/ul#	87
16) 4-Methylphenol	8.89	108	146998	18.99	ng/ul	96
17) Hexachloroethane	9.20	117	54798	20.76	ng/ul#	81
20) Nitrobenzene	9.33	77	193926	20.80	ng/ul#	81
21) Isophorone	9.85	82	354212	20.66	ng/ul#	92
23) 2-Nitrophenol	10.05	139	83624	21.20	ng/ul#	75
24) 2,4-Dimethylphenol	10.11	107	173235	20.02	ng/ul	88
25) Bis(2-Chloroethoxy)methane	10.34	93	199024	20.12	ng/ul	96
27) 2,4-Dichlorophenol	10.59	162	141764	20.40	ng/ul	99
28) Naphthalene	10.99	128	418743	20.44	ng/ul	98
30) 4-Chloroaniline	11.11	127	172152	21.46	ng/ul	96
31) Hexachlorobutadiene	11.27	225	97265	21.02	ng/ul	93
32) Caprolactam	11.86	113	51359	17.80	ng/ul#	49
33) 4-Chloro-3-methylphenol	12.23	107	179168	20.04	ng/ul#	81
34) 2-Methylnaphthalene	12.60	142	334168	20.12	ng/ul	99

Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
 Data File : BG023698.D
 Acq On : 13 Aug 2016 20:59
 Operator : UM/SJ
 Sample : SSTDC0020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_G
 LabSampleId :
 SSTD02002

Manual Integrations
 APPROVED

umangi
 8/16/2016 6:59:29 PM

Quant Time: Aug 15 18:14:53 2016
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 06:38:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
36) 1,2,4,5-Tetrachlorobenzene	12.97	216	185330	21.82	ng/ul	96
37) Hexachlorocyclopentadiene	12.94	237	67690	14.41	ng/ul#	95
38) 2,4,6-Trichlorophenol	13.21	196	133674	22.72	ng/ul	98
39) 2,4,5-Trichlorophenol	13.30	196	137095	21.74	ng/ul	97
40) 1,1'-Biphenyl	13.61	154	445469	21.91	ng/ul	96
41) 2-Chloronaphthalene	13.66	162	345531	21.86	ng/ul	99
42) 2-Nitroaniline	13.87	65	143393	22.21	ng/ul#	69
44) Dimethylphthalate	14.23	163	465088	20.74	ng/ul	98
45) 2,6-Dinitrotoluene	14.36	165	102112	21.00	ng/ul#	87
47) Acenaphthylene	14.51	152	585006	21.94	ng/ul	100
48) 3-Nitroaniline	14.70	138	97480	21.32	ng/ul#	55
49) Acenaphthene	14.85	153	383805	21.13	ng/ul	96
50) 2,4-Dinitrophenol	14.91	184	37846m	12.61	ng/ul	
52) 4-Nitrophenol	15.02	109	73136	18.88	ng/ul#	73
53) Dibenzofuran	15.18	168	569099	21.14	ng/ul#	87
54) 2,4-Dinitrotoluene	15.15	165	149231	20.25	ng/ul#	69
55) 2,3,4,6-Tetrachlorophenol	15.42	232	130251	20.10	ng/ul	97
56) Diethylphthalate	15.59	149	480223	20.48	ng/ul	99
58) Fluorene	15.83	166	463524	20.67	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.82	204	231817	20.55	ng/ul	95
60) 4-Nitroaniline	15.86	138	107249m	20.23	ng/ul	
63) 4,6-Dinitro-2-methylphenol	15.92	198	81127	17.77	ng/ul#	83
64) N-Nitrosodiphenylamine	16.04	169	417736	22.05	ng/ul	96
65) 4-Bromophenyl-phenylether	16.72	248	163493	21.03	ng/ul	98
66) Hexachlorobenzene	16.85	284	177576	21.44	ng/ul	95
67) Atrazine	16.99	200	165540	21.15	ng/ul	97
68) Pentachlorophenol	17.20	266	76780	16.80	ng/ul#	84
69) Phenanthrene	17.59	178	743141	21.16	ng/ul	100
71) Anthracene	17.69	178	763581	21.31	ng/ul	98
72) Carbazole	17.96	167	643151	22.27	ng/ul	99
73) Di-n-butylphthalate	18.50	149	820181	22.68	ng/ul#	96
74) Fluoranthene	19.61	202	851907	23.70	ng/ul#	92
77) Pyrene	19.97	202	872365	20.24	ng/ul#	89
78) Butylbenzylphthalate	20.85	149	366441m	22.16	ng/ul	
79) 3,3'-Dichlorobenzidine	21.76	252	305358	24.86	ng/ul#	97
80) Benzo(a)anthracene	21.85	228	837799	21.34	ng/ul	99
81) Bis(2-ethylhexyl)phthalate	21.73	149	512594	23.32	ng/ul	100
82) Chrysene	21.92	228	757388	21.21	ng/ul	98
84) Di-n-octyl phthalate	23.00	149	894624	25.75	ng/ul	100
85) Benzo(b)fluoranthene	24.18	252	823349	21.04	ng/ul#	94
86) Benzo(k)fluoranthene	24.25	252	818292	21.24	ng/ul#	90
88) Benzo(a)pyrene	25.11	252	799113	21.15	ng/ul#	94
89) Indeno(1,2,3-cd)pyrene	29.18	276	915745m	20.63	ng/ul	
90) Dibenzo(a,h)anthracene	29.23	278	792521m	20.93	ng/ul	
91) Benzo(g,h,i)perylene	30.39	276	736000m	20.00	ng/ul	

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

