

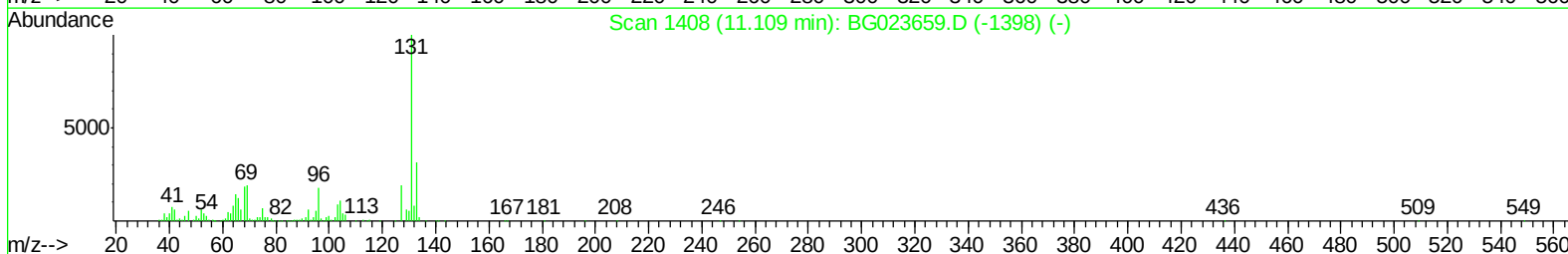
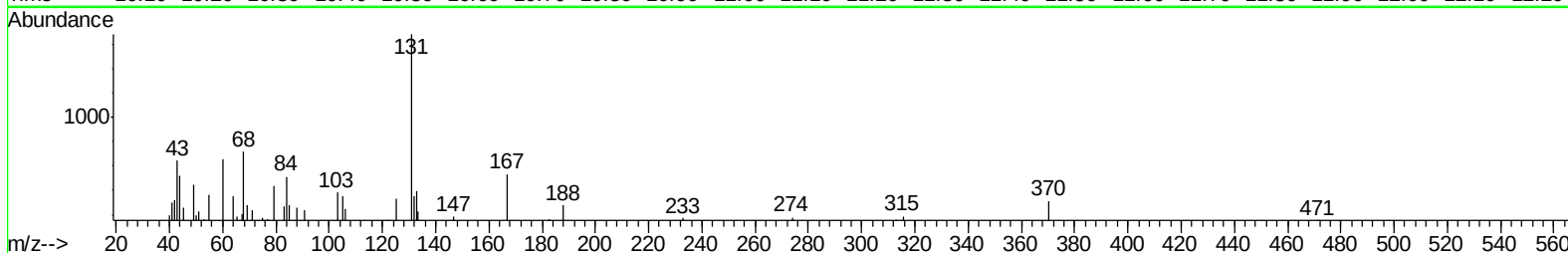
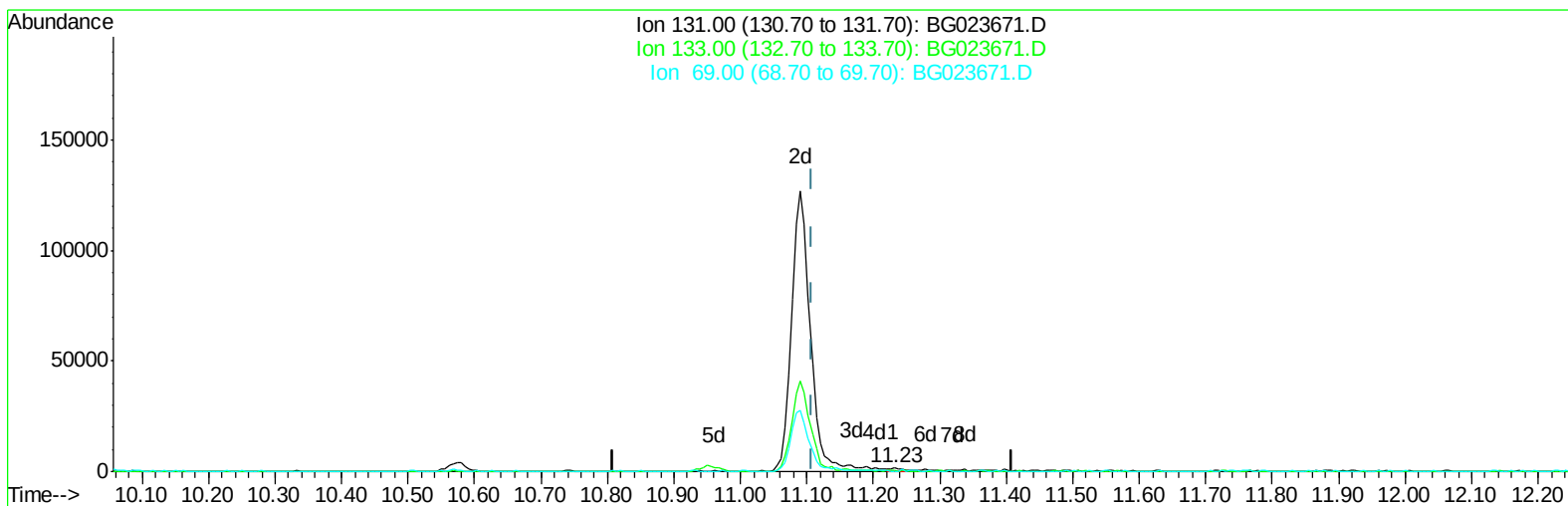
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(29) 4-Chloroaniline-d4 (S)
11.232min (+0.122) 0.15ng/ul
response 1695

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	37.02
69.00	15.40	16.79
0.00	0.00	0.00

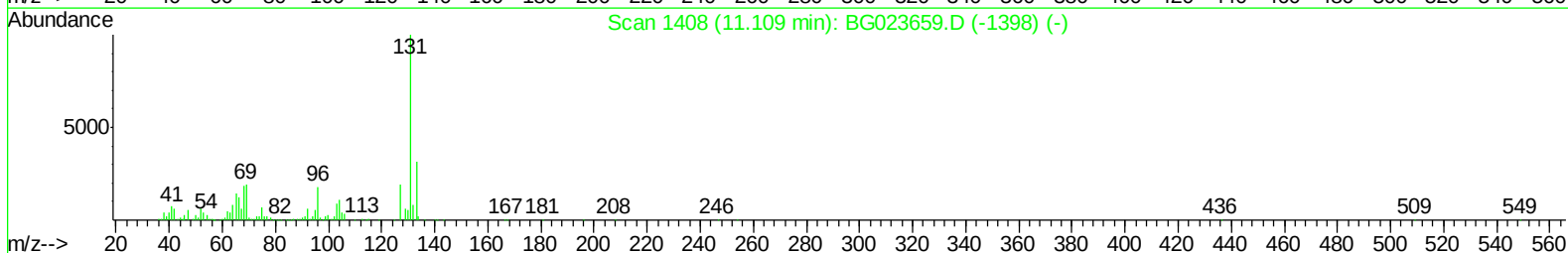
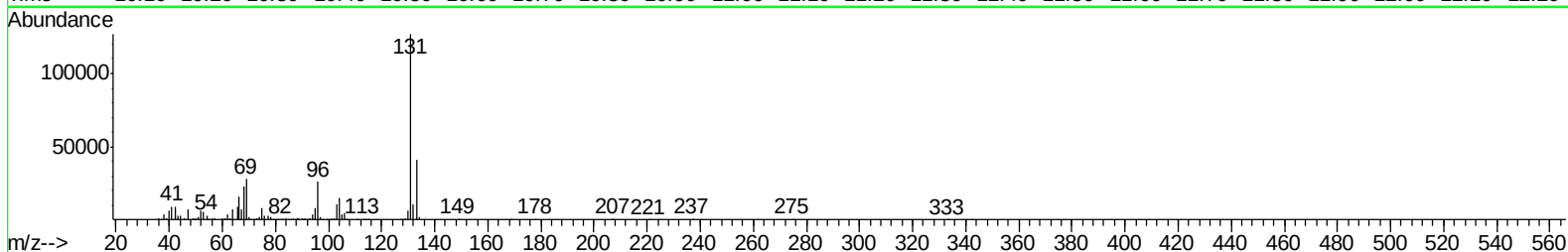
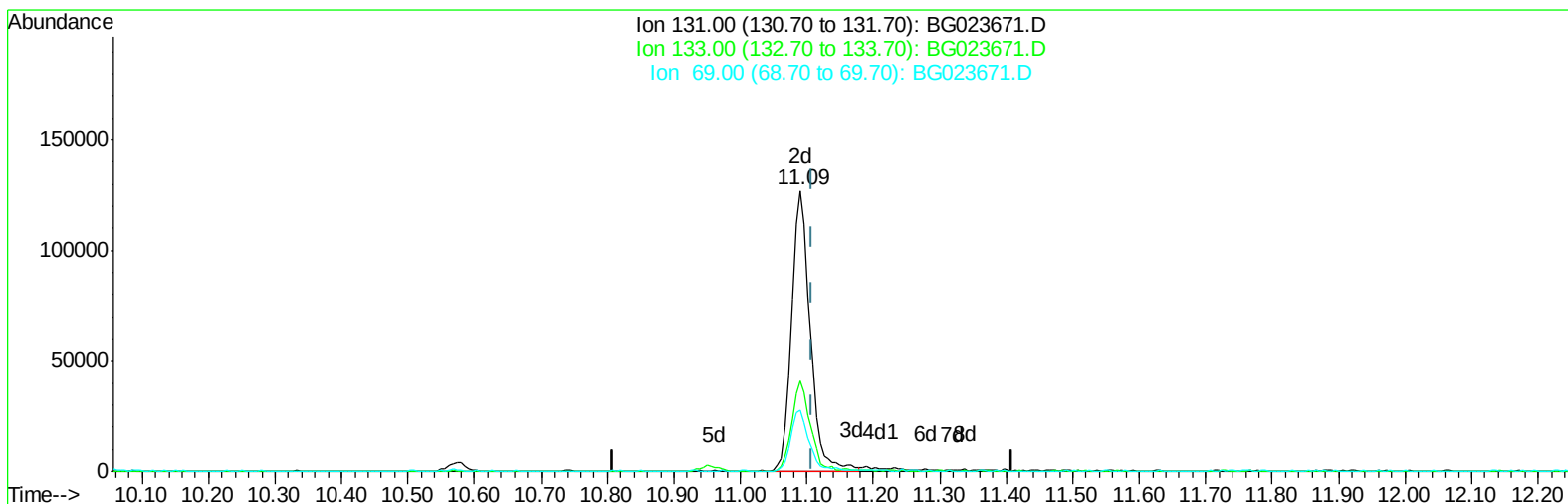
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(29) 4-Chloroaniline-d4 (S)
11.091min (-0.019) 21.49ng/ul m
response 246913

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	32.17
69.00	15.40	21.98#
0.00	0.00	0.00

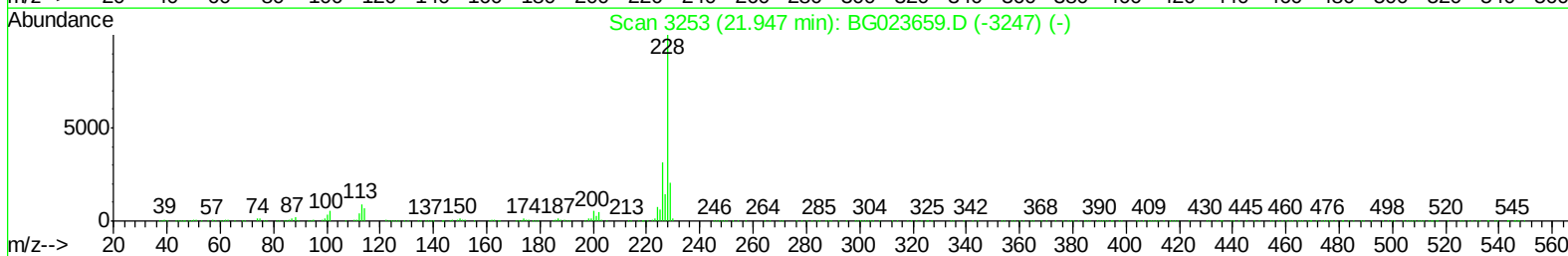
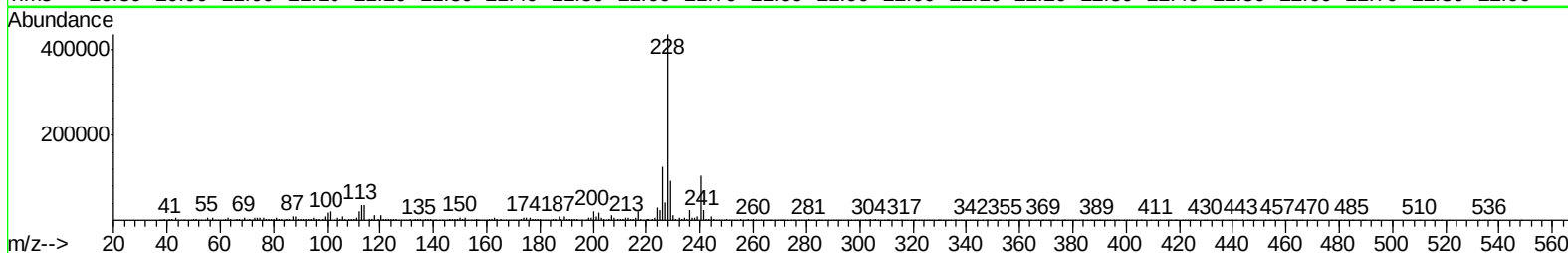
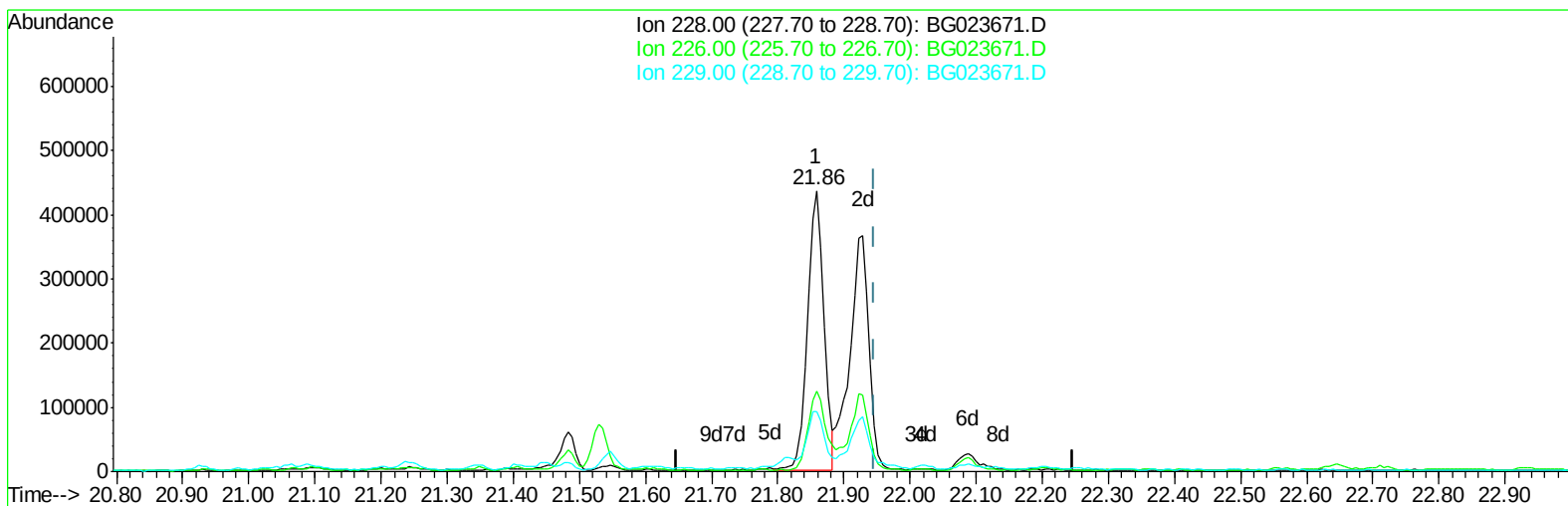
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(82) Chrysene

21.858min (-0.089) 18.44ng/ul

response 750826

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	28.55
229.00	18.80	21.31
0.00	0.00	0.00

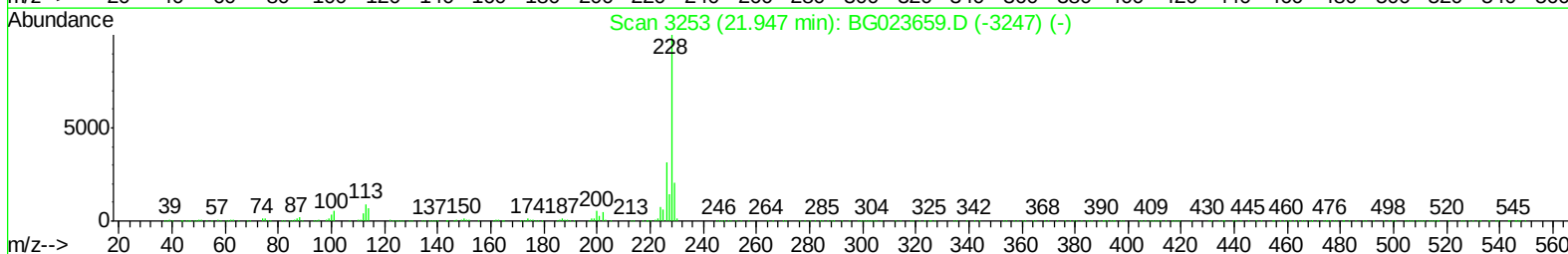
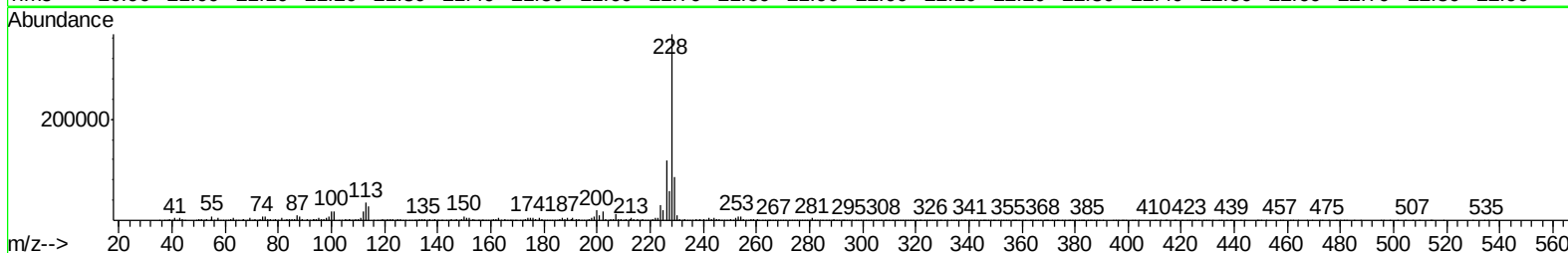
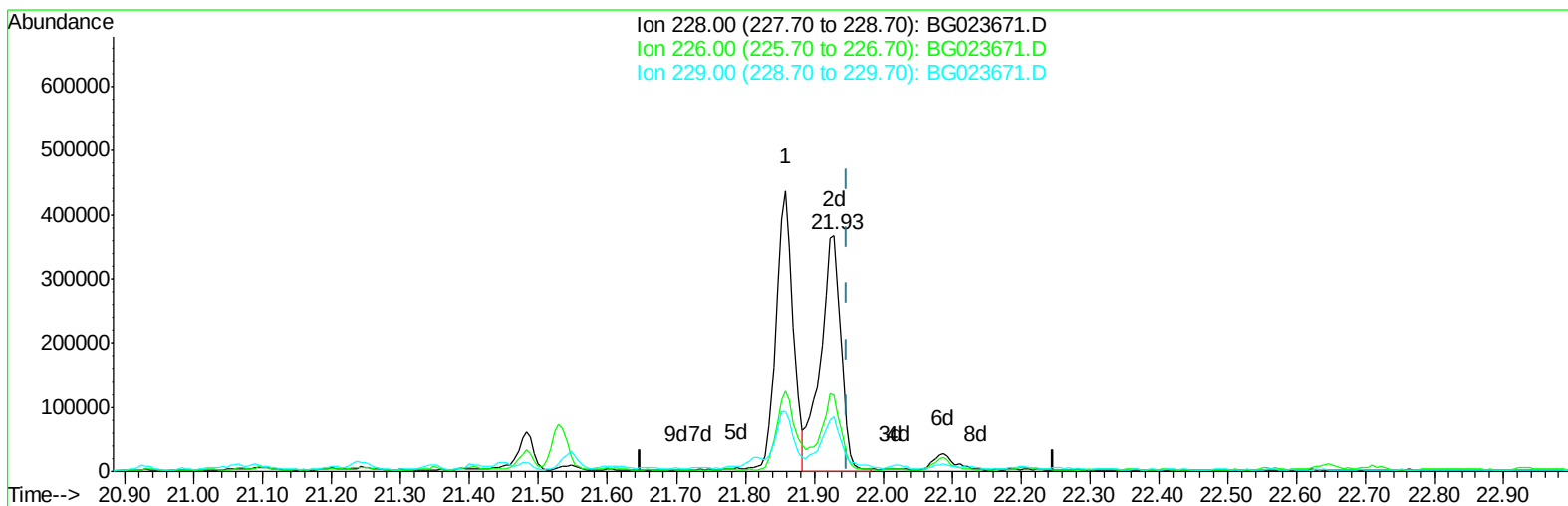
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(82) Chrysene

21.929min (-0.019) 18.75ng/ul m

response 763782

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	32.43
229.00	18.80	23.06#
0.00	0.00	0.00

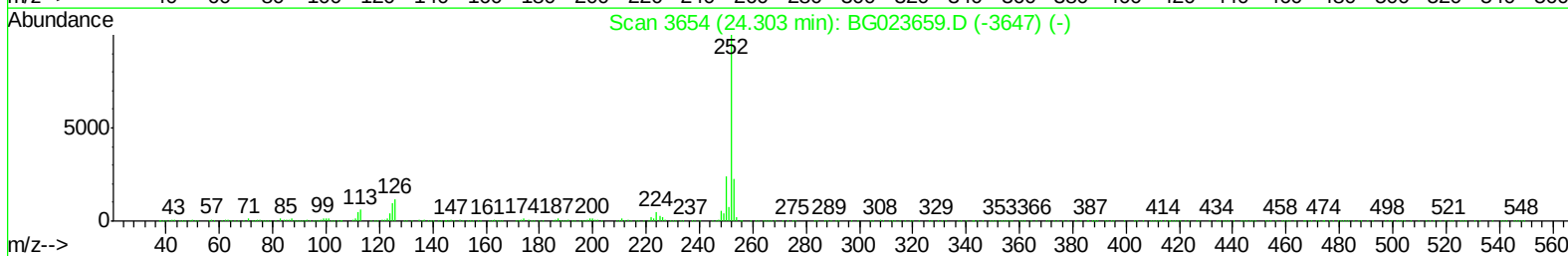
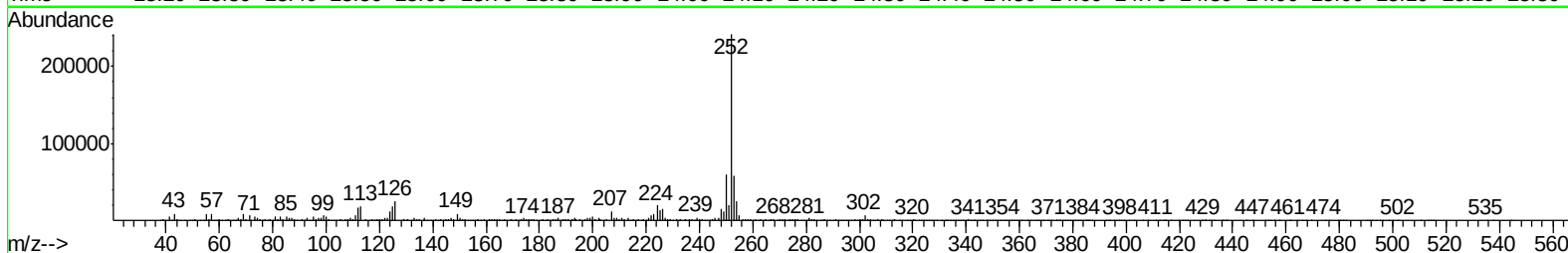
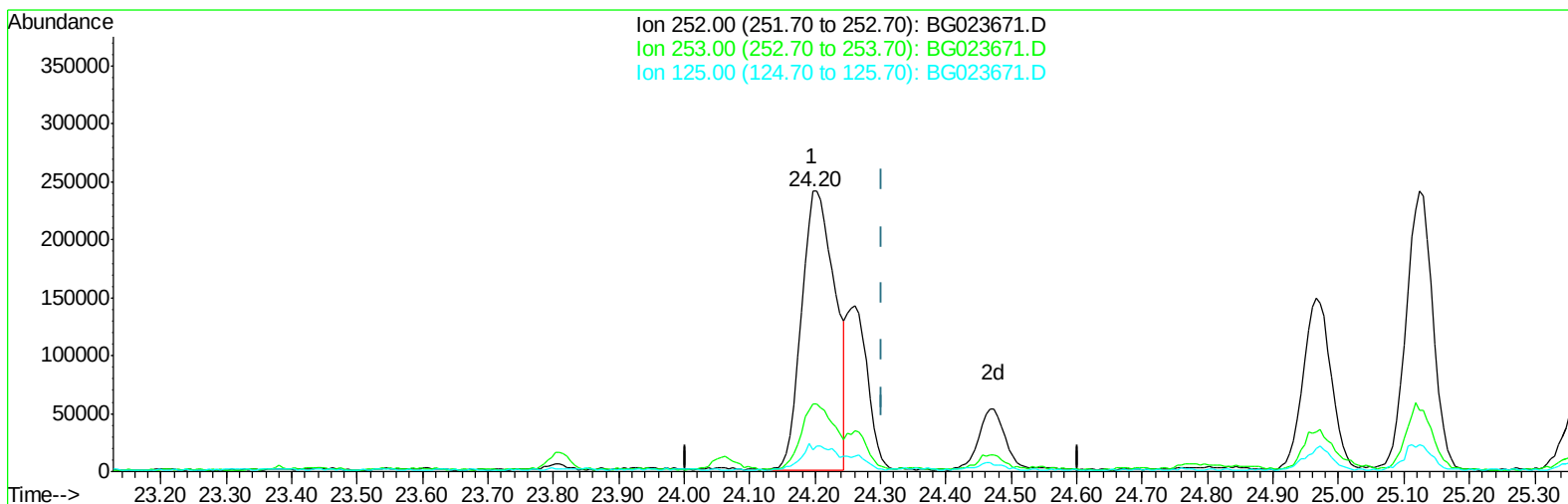
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(86) Benzo(k)fluoranthene

24.196min (-0.107) 19.08ng/ul

response 859830

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	24.25#
125.00	13.30	7.58#
0.00	0.00	0.00

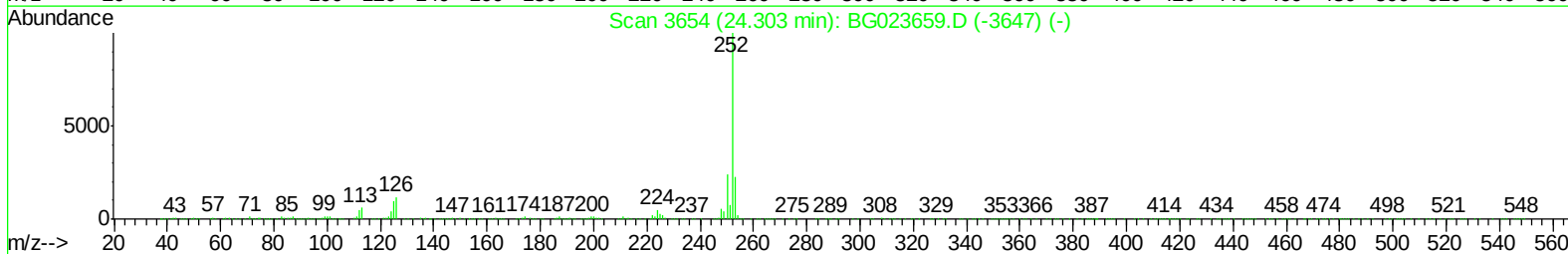
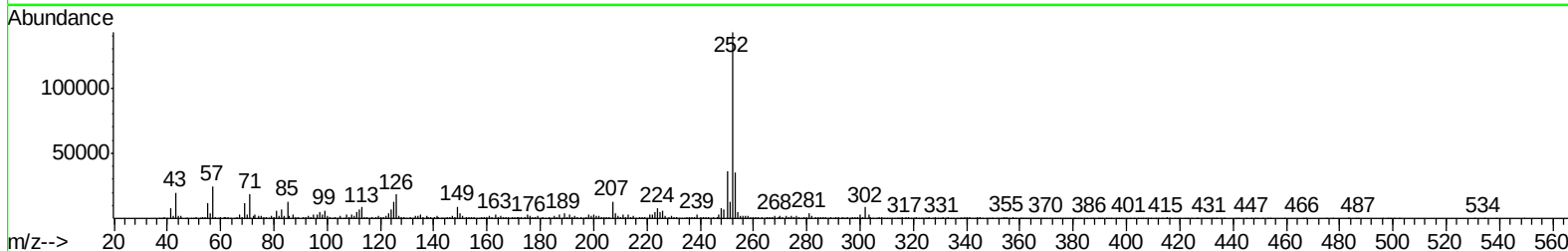
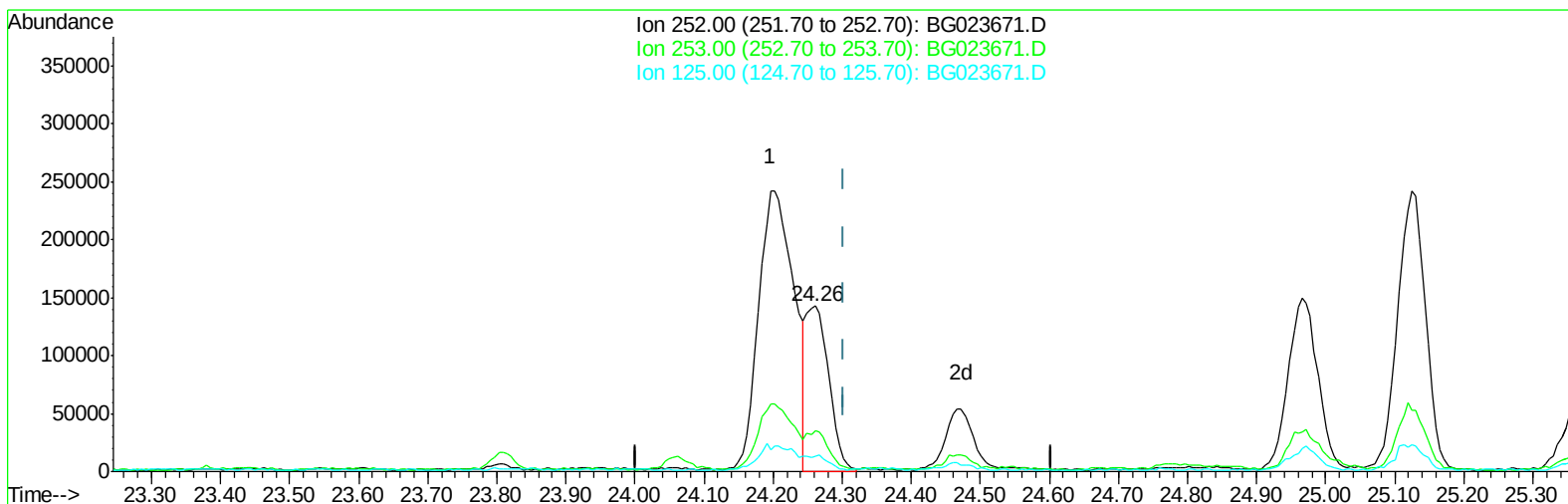
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(86) Benzo(k)fluoranthene

24.261min (-0.042) 7.14ng/ul m

response 321865

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	24.85#
125.00	13.30	9.30#
0.00	0.00	0.00

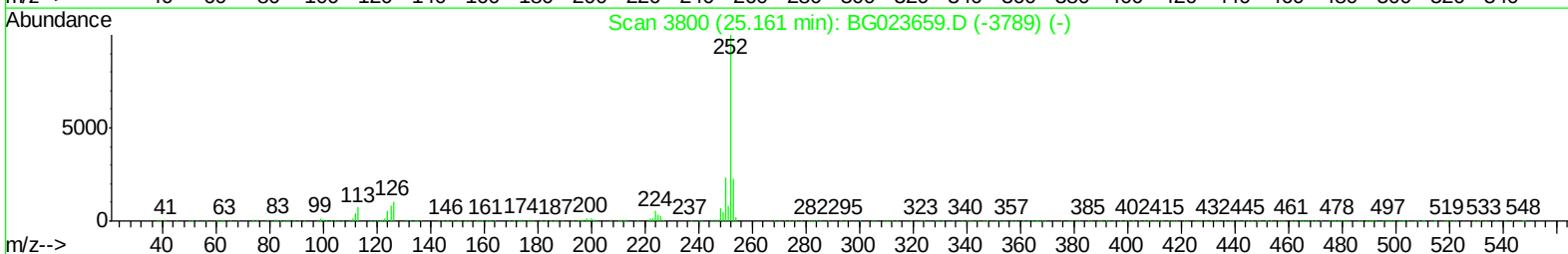
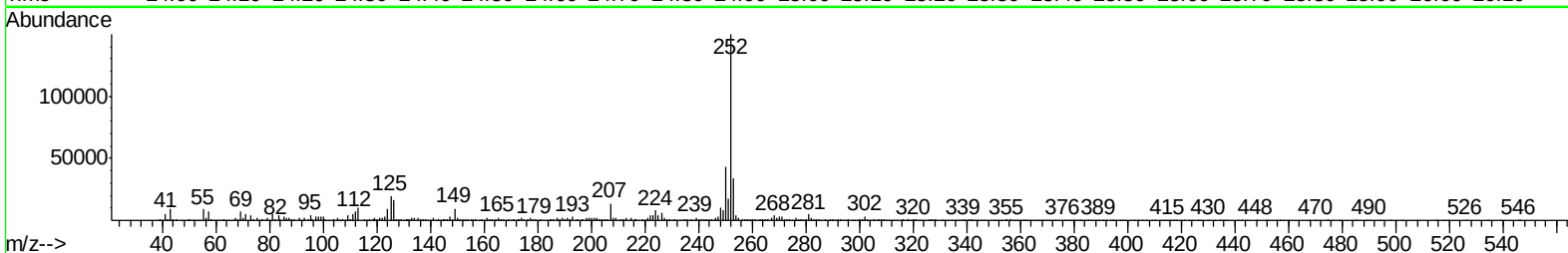
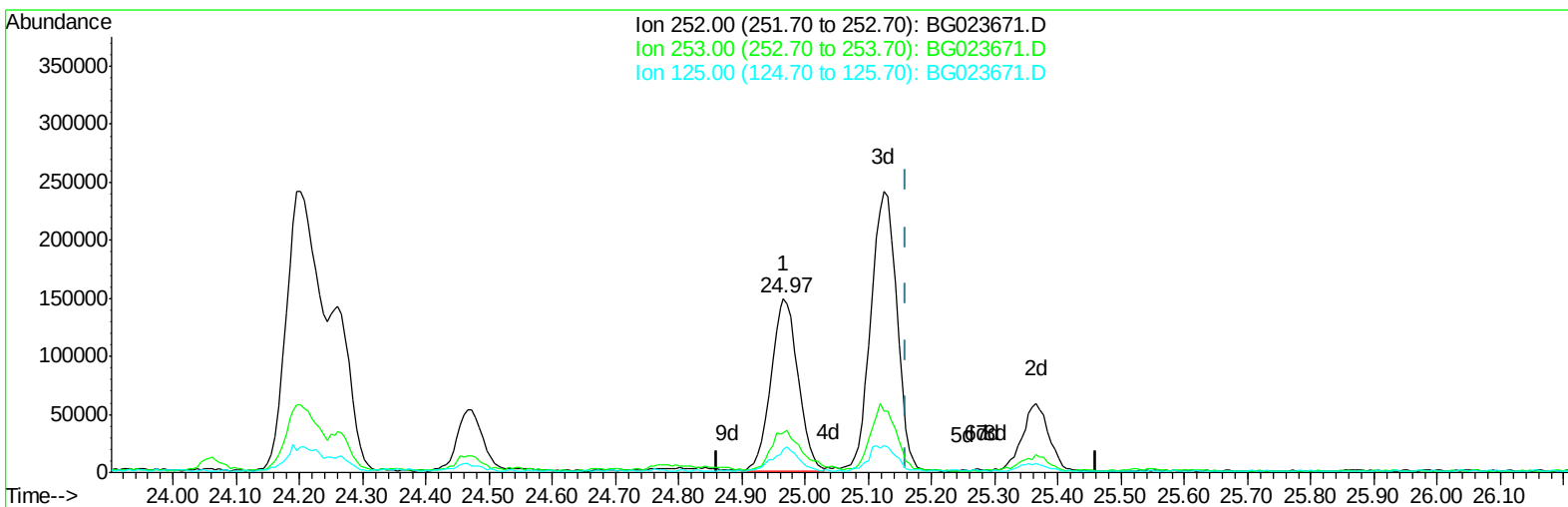
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(88) Benzo(a)pyrene (C)

24.966min (-0.195) 9.99ng/ul

response 441350

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.04
125.00	15.00	13.30
0.00	0.00	0.00

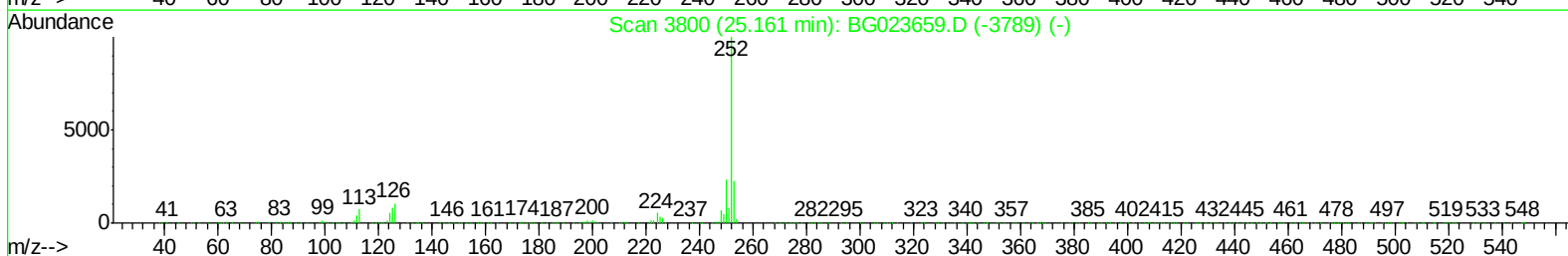
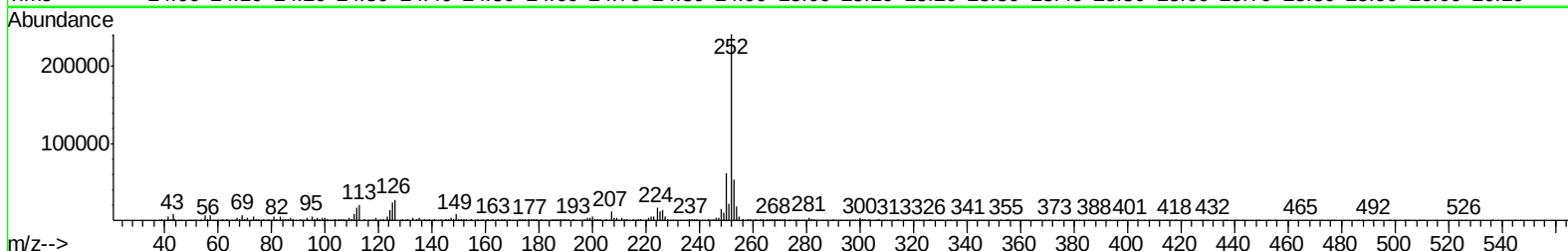
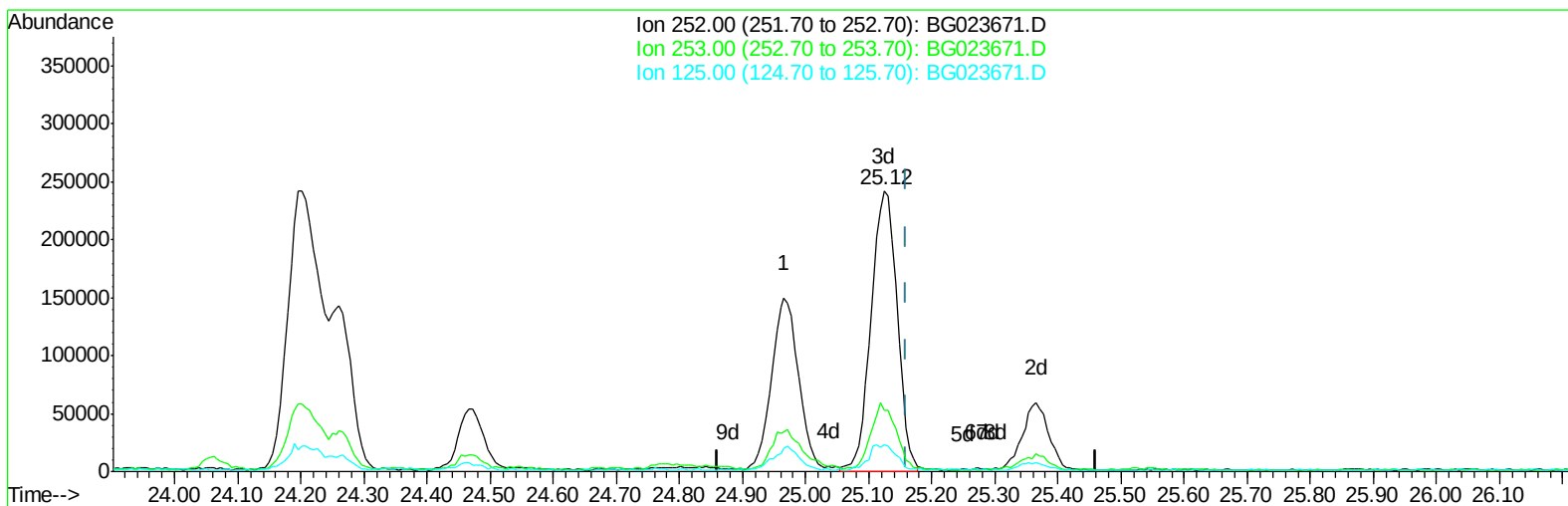
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(88) Benzo(a)pyrene (C)

25.125min (-0.036) 15.63ng/ul m

response 690811

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.05
125.00	15.00	9.47#
0.00	0.00	0.00

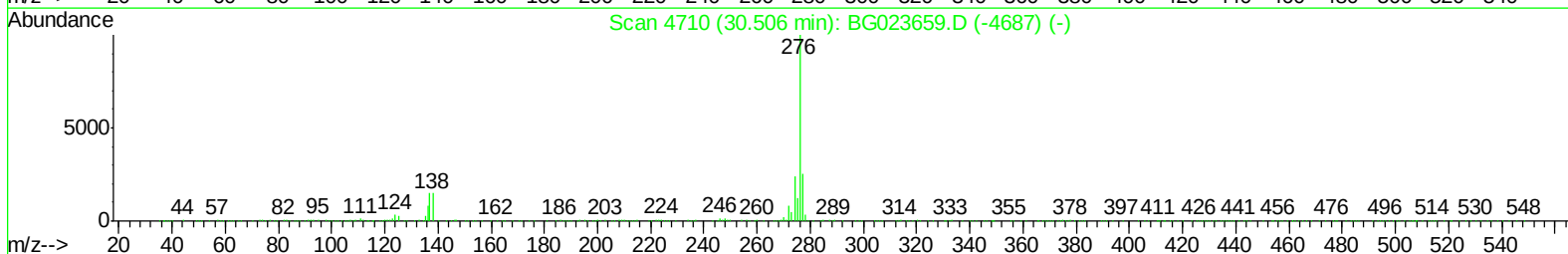
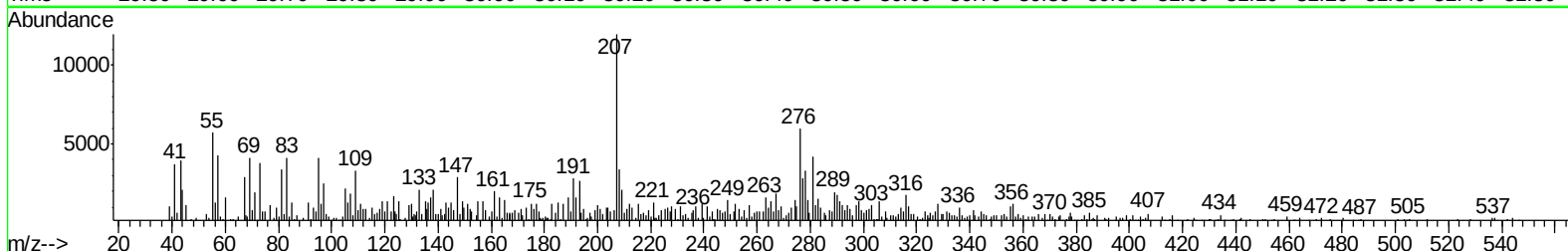
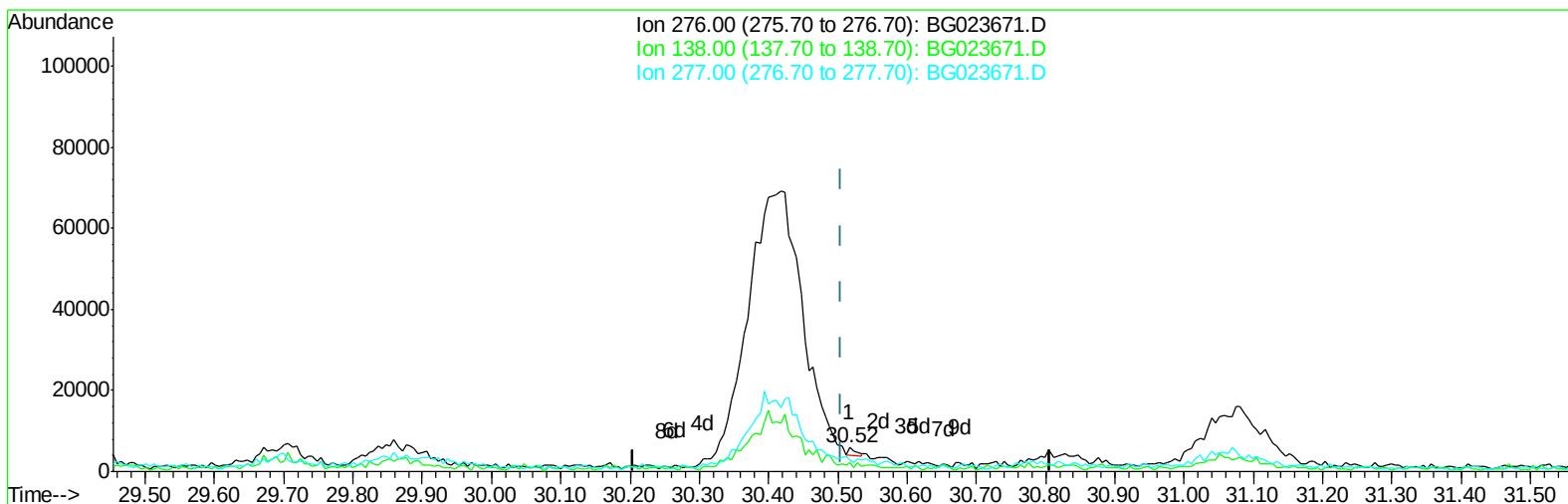
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

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

30.517min (+0.011) 0.04ng/ul

response 1605

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	35.66#
277.00	21.20	47.48#
0.00	0.00	0.00

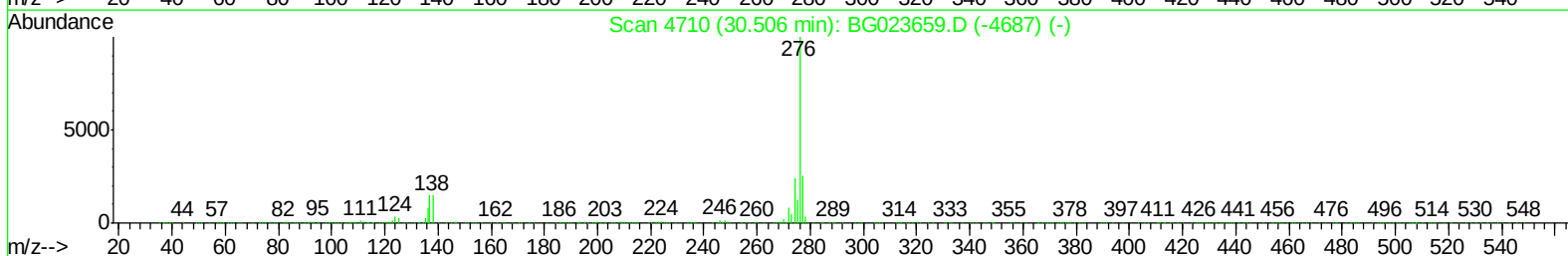
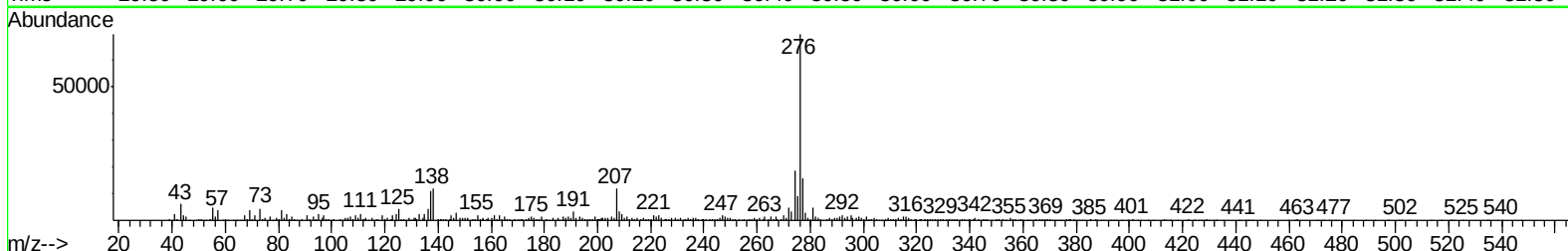
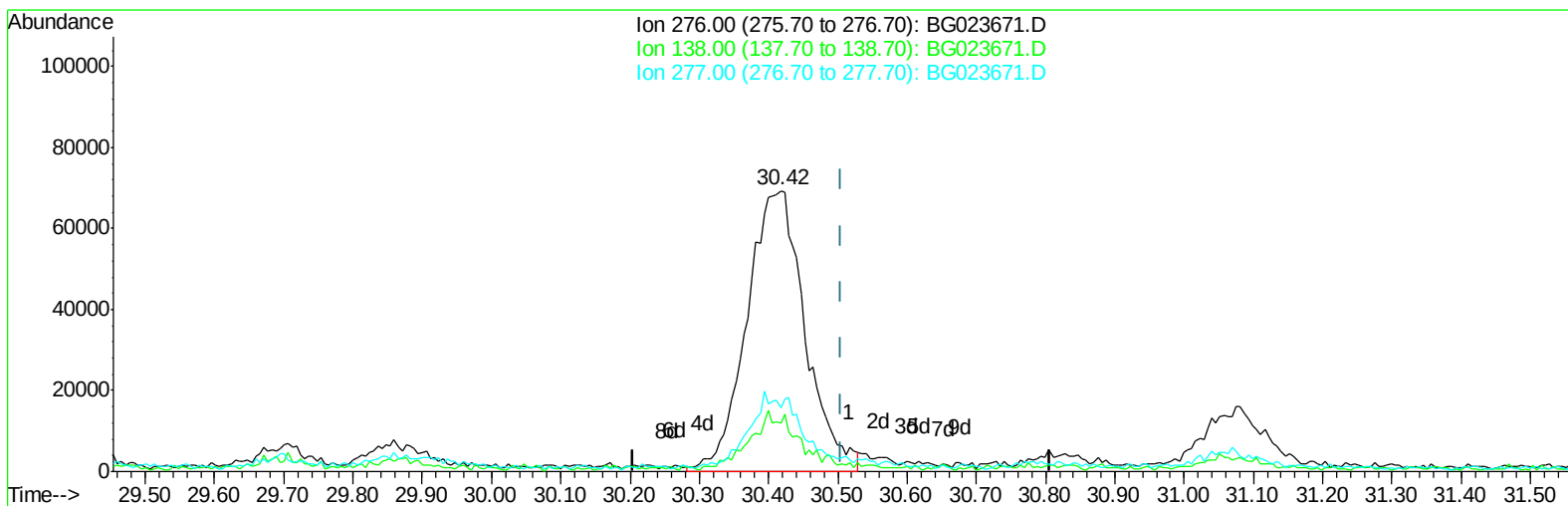
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023671.D
 Acq On : 13 Aug 2016 00:44
 Operator : UM/SJ
 Sample : H4385-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01

Manual Integrations
 APPROVED

sohil
 8/15/2016 6:50:10 PM

Quant Time: Aug 13 03:23:44 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration



TIC: BG023671.D

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

30.417min (-0.089) 9.41ng/ul m

response 405273

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	17.21#
277.00	21.20	22.53
0.00	0.00	0.00

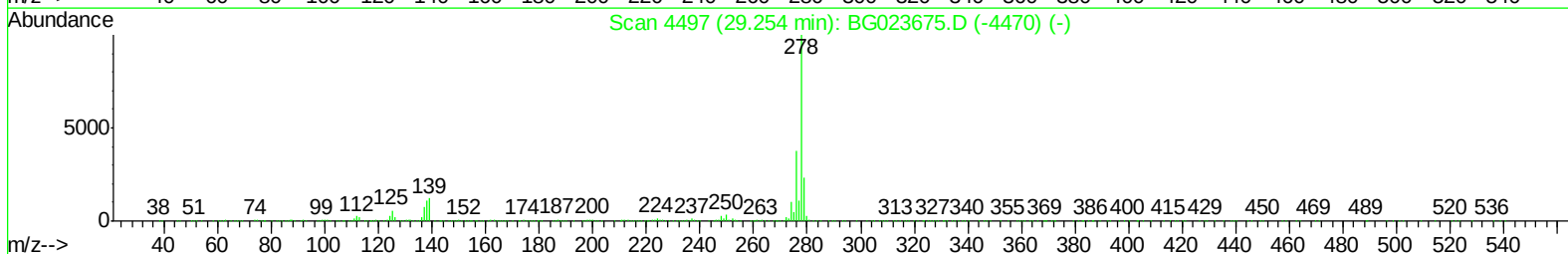
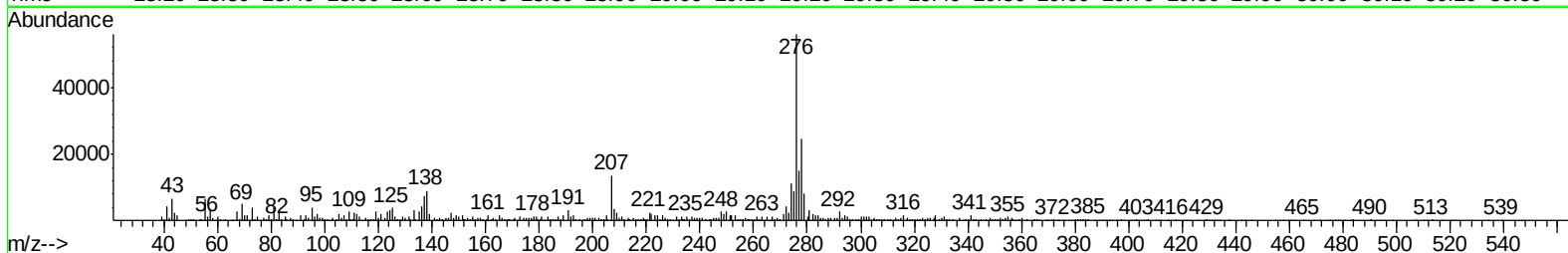
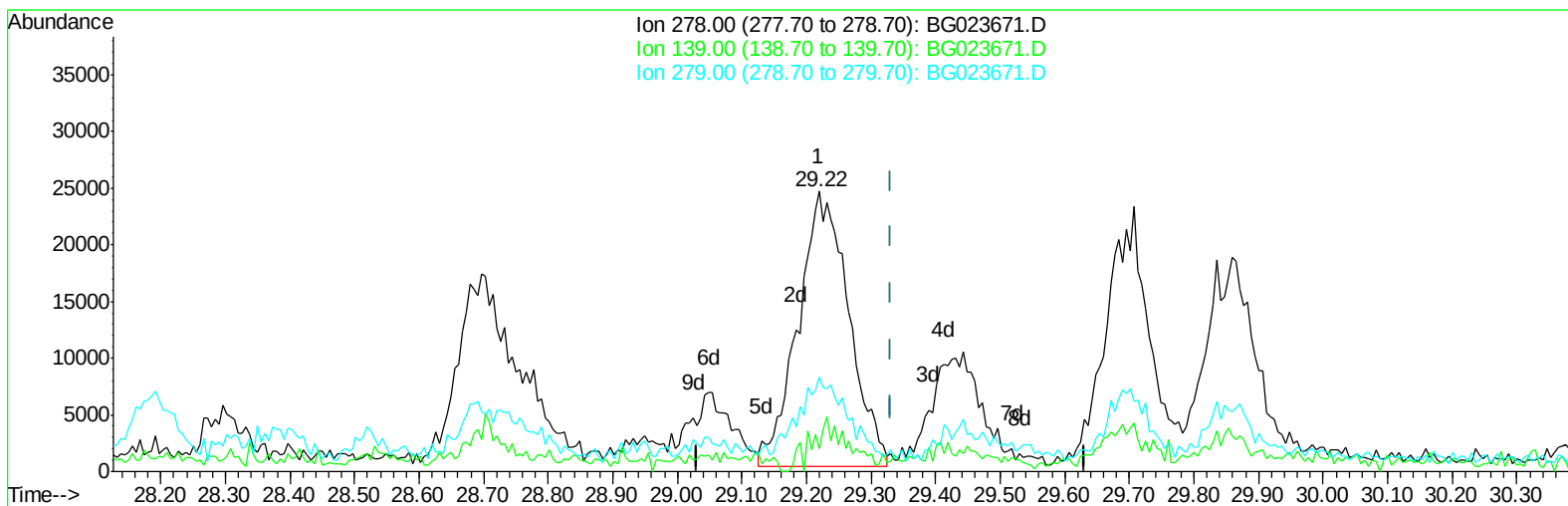
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 15 18:06:56 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration



TIC: BG023671.D

(90) Dibenzo(a,h)anthracene

29.219min (-0.113) 3.00ng/ul m

response 132846

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	8.13#
279.00	23.90	33.58#
0.00	0.00	0.00

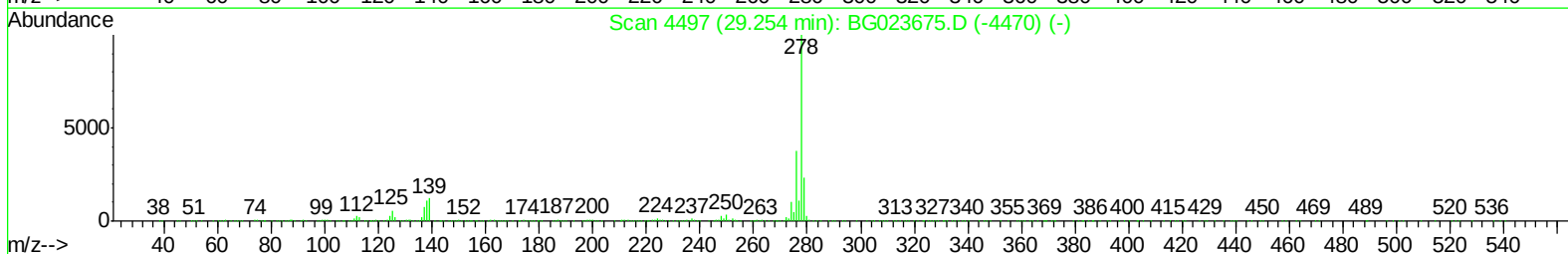
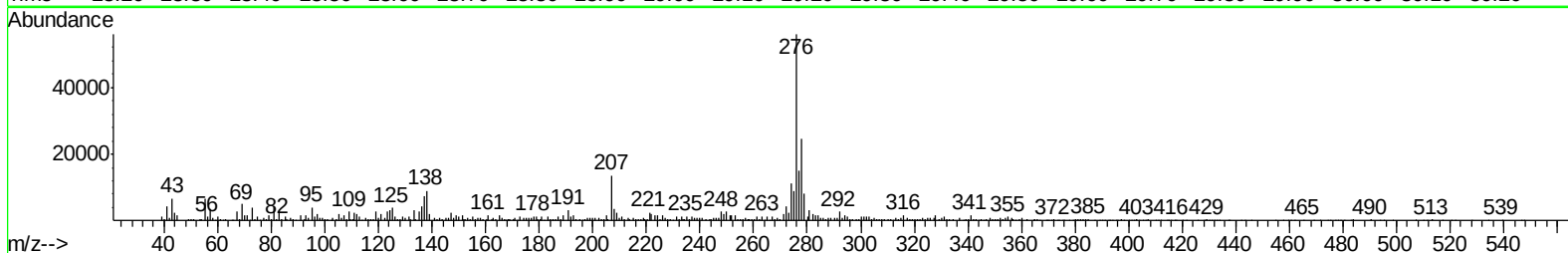
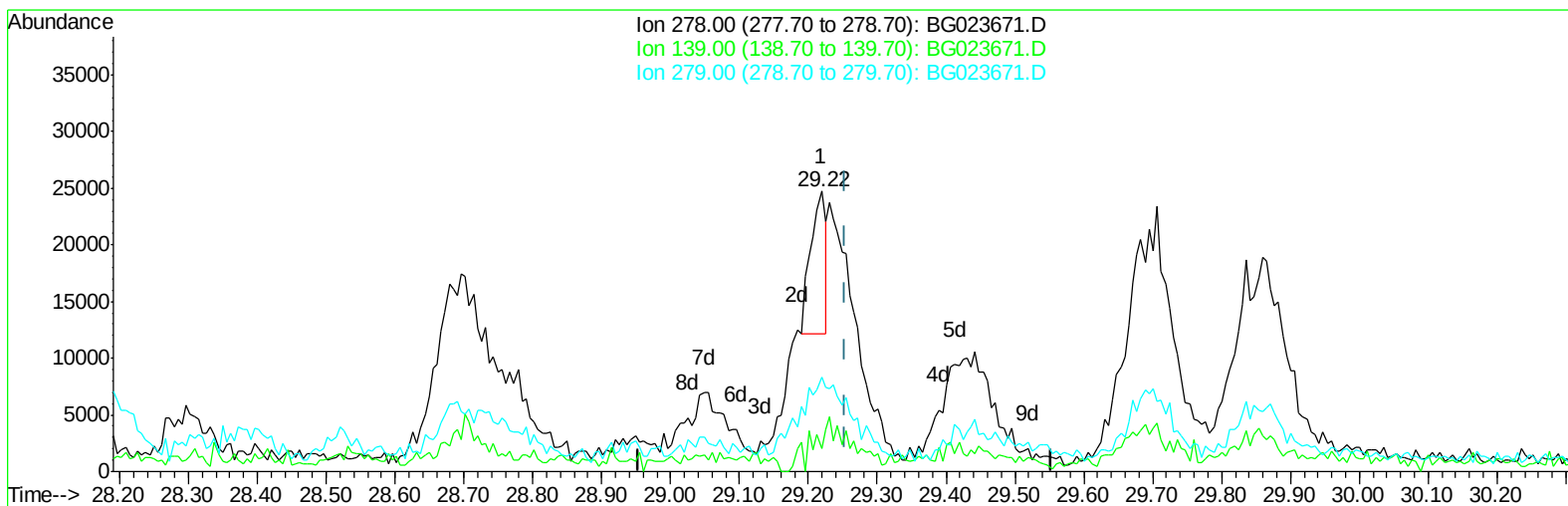
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 23 18:51:01 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: BG023671.D

(90) Dibenzo(a,h)anthracene

29.219min (-0.035) 0.43ng/ul

response 19025

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	8.13#
279.00	23.90	33.58#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023671.D
 Acq On : 13 Aug 2016 00:44
 Operator : UM/SJ
 Sample : H4385-16
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS004-1218-01

Manual Integrations
 APPROVED

sohil
 8/15/2016 6:50:10 PM

Quant Time: Aug 13 05:19:13 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Aug 13 03:19:50 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	129776	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	573529	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	370318	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	812136	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	795301	20.00	ng/ul	-0.02
83) Perylene-d12	25.28	264	804757	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	12935	4.24	ng/uL	0.00
5) Phenol-d5	7.27	99	332053	25.40	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	220146	26.28	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.64	132	229638	25.75	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	245455	24.05	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	129219	28.58	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	149885	28.87	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	267403	27.30	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	246913m	21.49	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	887060	29.26	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	1041532	30.52	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	162486	31.39	ng/ul	-0.02
57) Fluorene-d10	15.78	176	793922	28.34	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	145572	27.94	ng/ul	-0.02
70) Anthracene-d10	17.65	188	1165725	31.86	ng/ul	-0.01
76) Pyrene-d10	19.94	212	1251042	31.08	ng/ul	-0.02
87) Benzo(a)pyrene-d12	25.05	264	1256791	34.50	ng/ul	-0.04

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	578355	19.26	ng/ul	99
47) Acenaphthylene	14.52	152	107113	3.00	ng/ul	98
69) Phenanthrene	17.59	178	489137	11.63	ng/ul	98
71) Anthracene	17.69	178	85116	1.98	ng/ul	98
74) Fluoranthene	19.61	202	1089857	25.31	ng/ul#	95
77) Pyrene	19.97	202	1240237	25.23	ng/ul	94
80) Benzo(a)anthracene	21.86	228	746136	16.66	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.73	149	2014375	80.34	ng/ul#	89
82) Chrysene	21.93	228	763782m	18.75	ng/ul	
85) Benzo(b)fluoranthene	24.20	252	859830	18.78	ng/ul#	92
86) Benzo(k)fluoranthene	24.26	252	321865m	7.14	ng/ul	
88) Benzo(a)pyrene	25.12	252	690811m	15.63	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	423383	8.15	ng/ul#	87
91) Benzo(g,h,i)perylene	30.42	276	405273m	9.41	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023671.D
Acq On : 13 Aug 2016 00:44
Operator : UM/SJ
Sample : H4385-16
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:10 PM

Quant Time: Aug 13 05:19:13 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Aug 13 03:19:50 2016
Response via : Initial Calibration

