

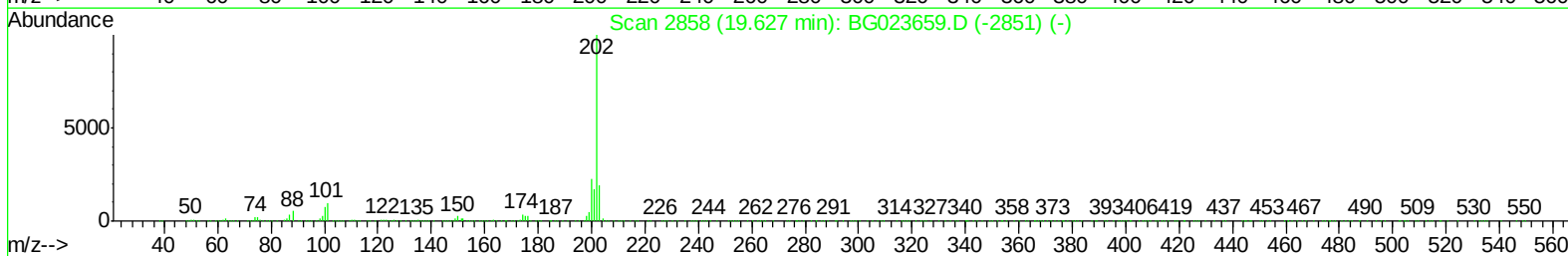
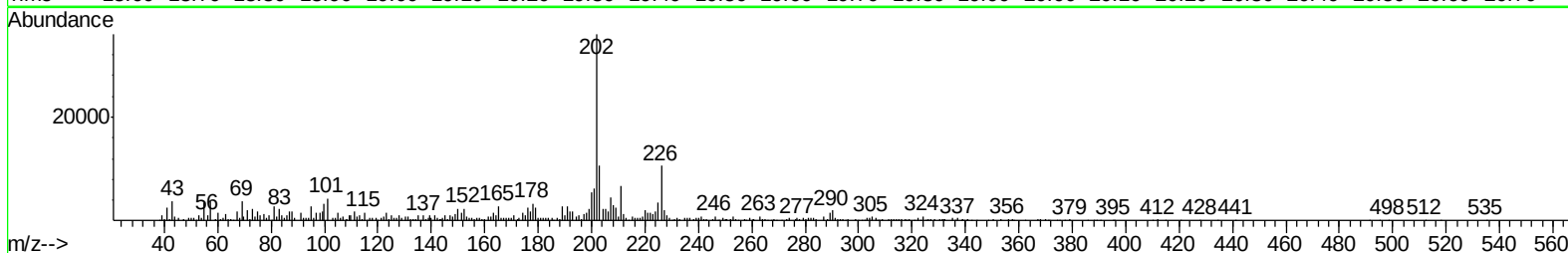
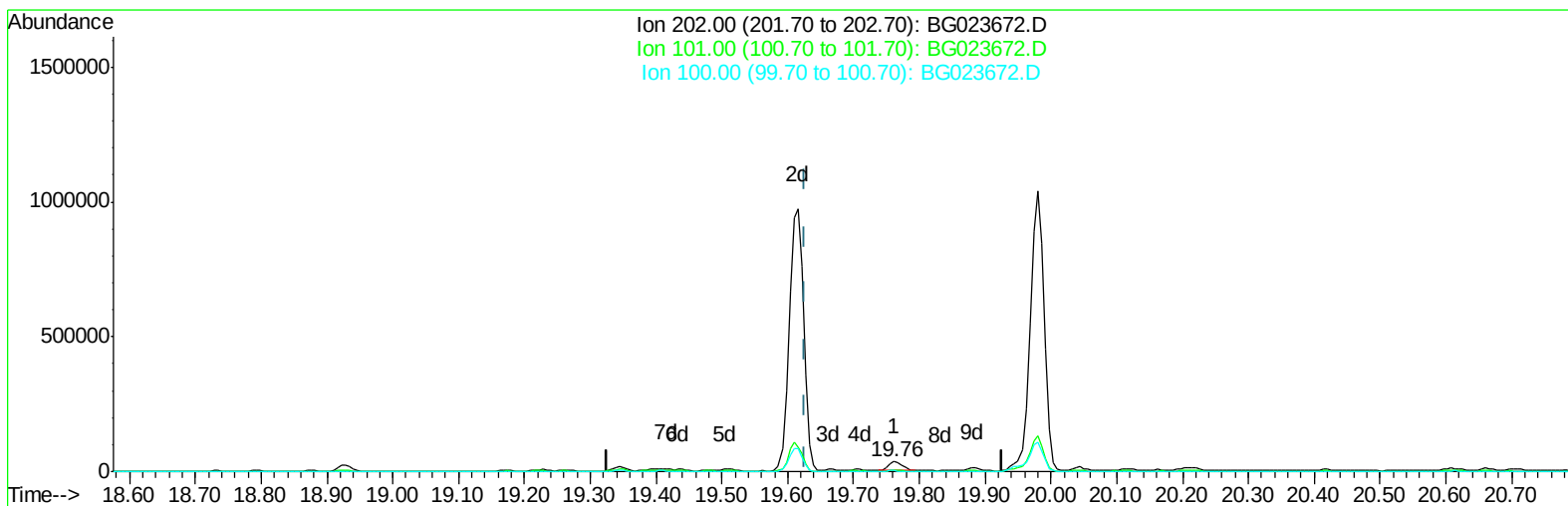
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:12 PM

Quant Time: Aug 13 03:24:00 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: BG023672.D

(74) Fluoranthene (C)

19.762min (+0.135) 1.14ng/ul

response 50753

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	12.19
100.00	10.90	9.43
0.00	0.00	0.00

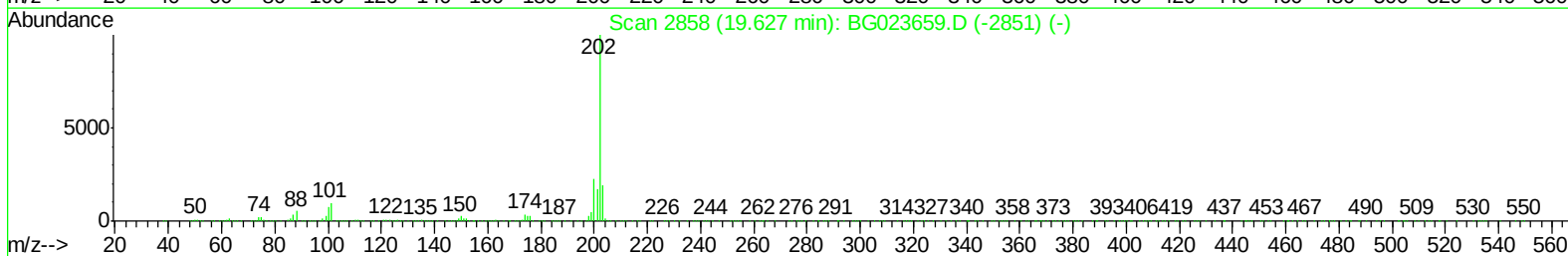
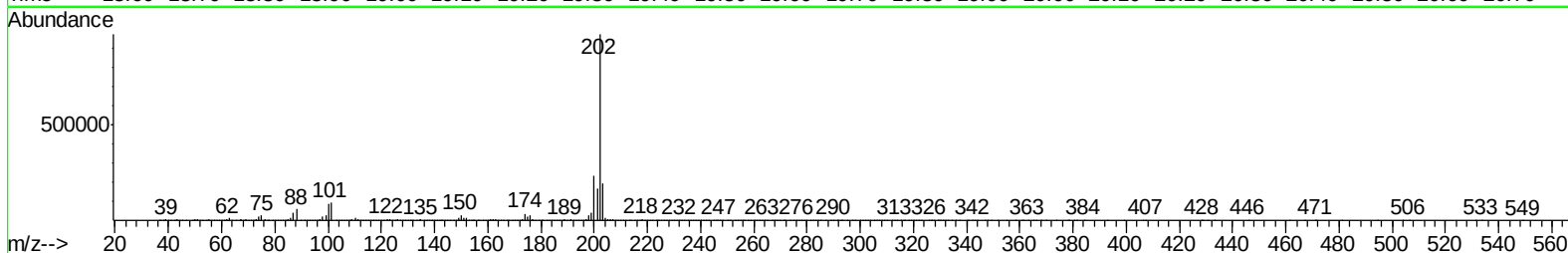
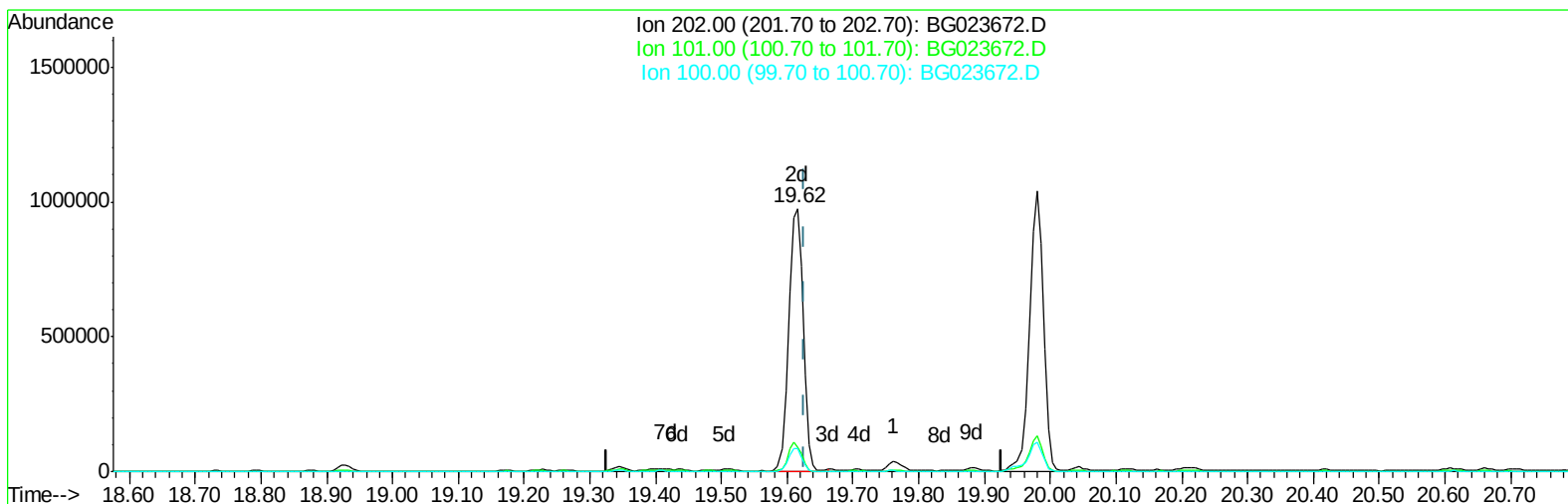
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

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8/15/2016 6:50:12 PM

Quant Time: Aug 13 03:24:00 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: BG023672.D

(74) Fluoranthene (C)

19.615min (-0.012) 33.84ng/ul m

response 1501193

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	9.34#
100.00	10.90	8.61#
0.00	0.00	0.00

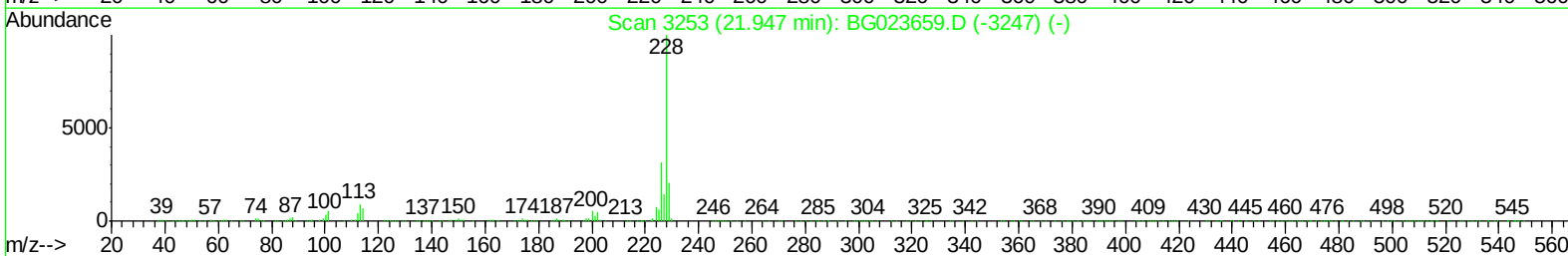
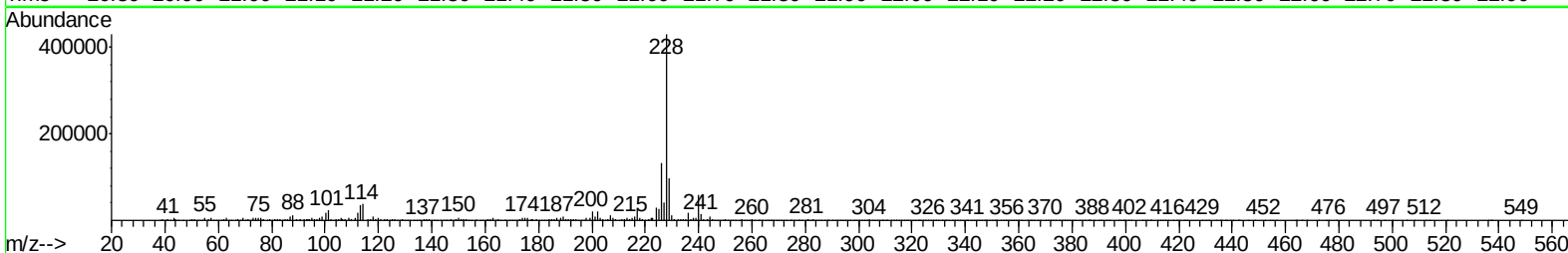
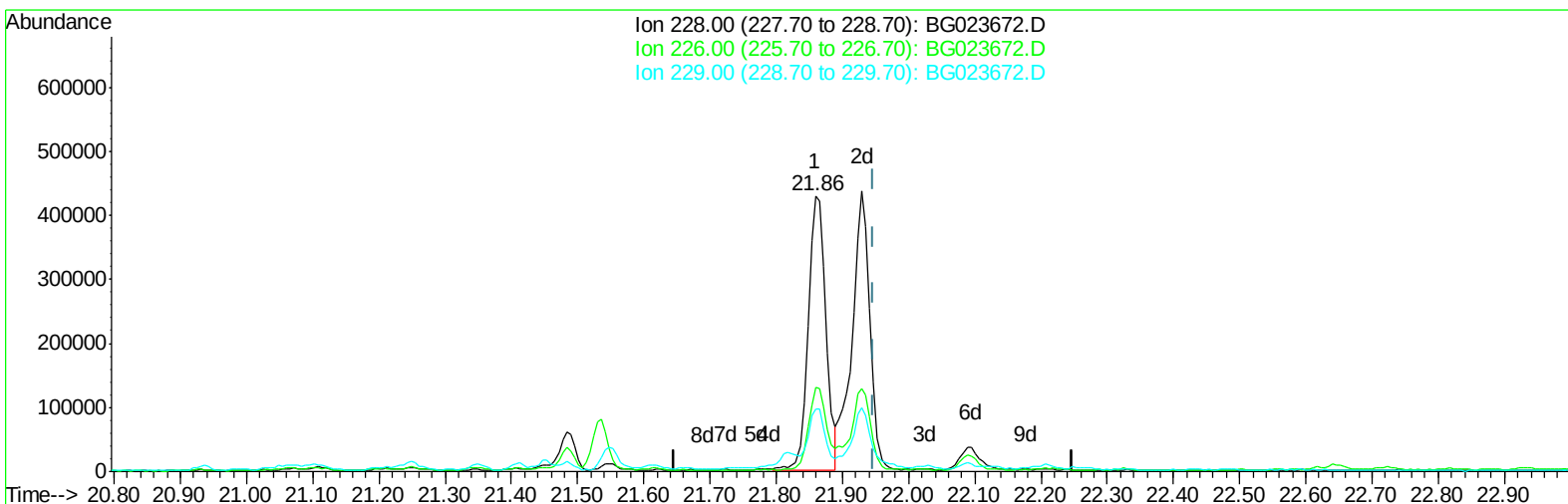
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

sohil
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Quant Time: Aug 13 03:24:00 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: BG023672.D

(82) Chrysene

21.859min (-0.088) 18.53ng/ul

response 800052

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	30.61
229.00	18.80	22.50
0.00	0.00	0.00

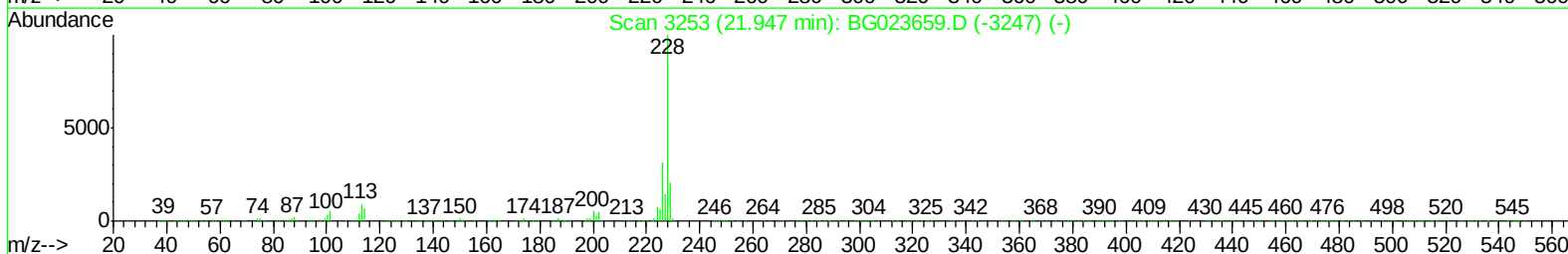
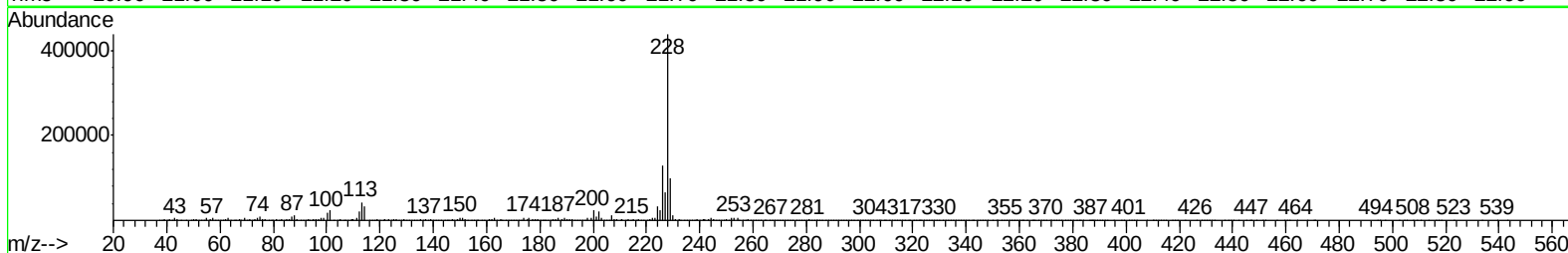
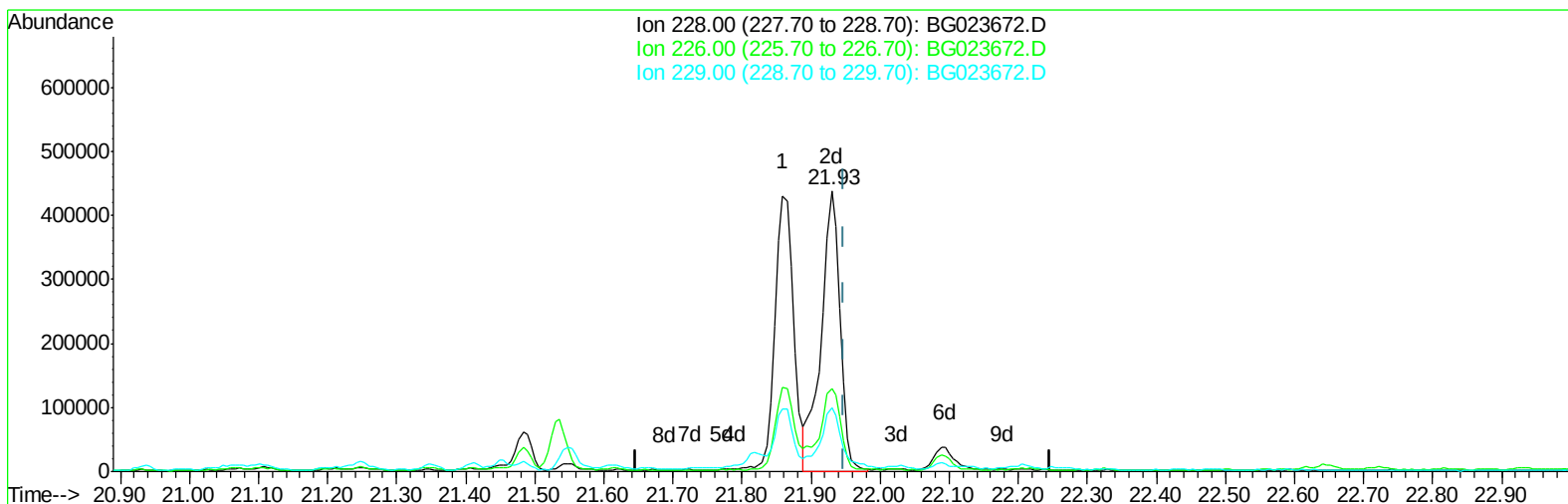
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:12 PM

Quant Time: Aug 13 03:24:00 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: BG023672.D

(82) Chrysene

21.930min (-0.018) 19.38ng/ul m

response 836683

Ion	Exp%	Act%
228.00	100	100
226.00	30.30	29.64
229.00	18.80	22.96#
0.00	0.00	0.00

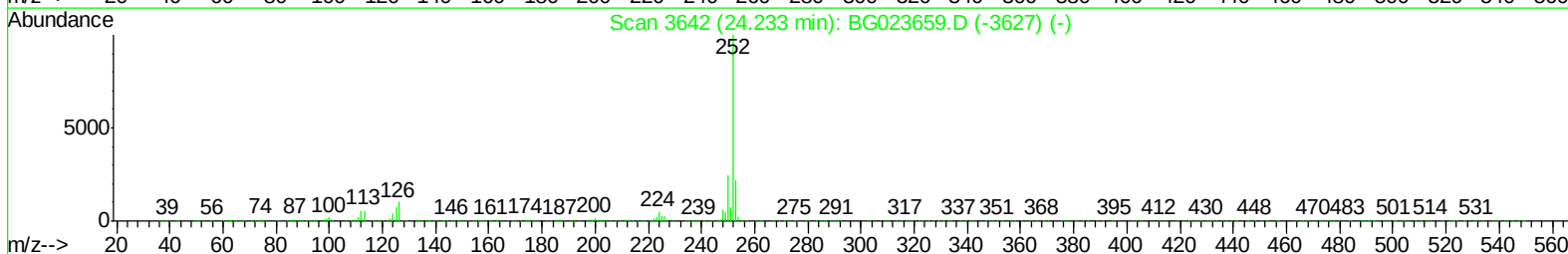
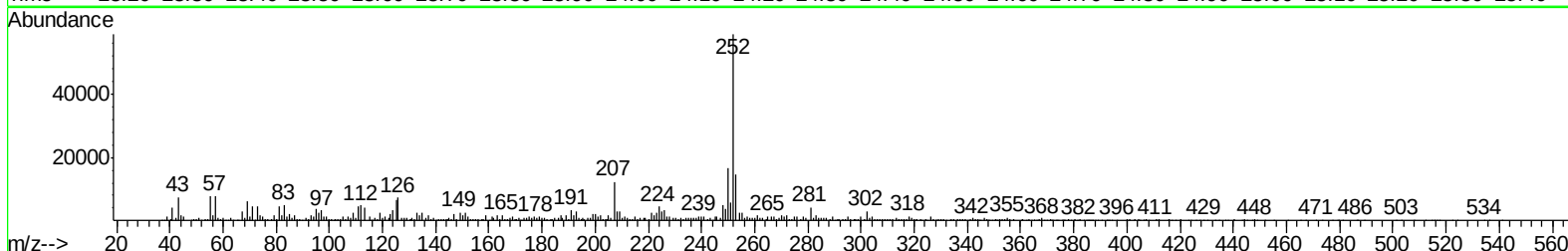
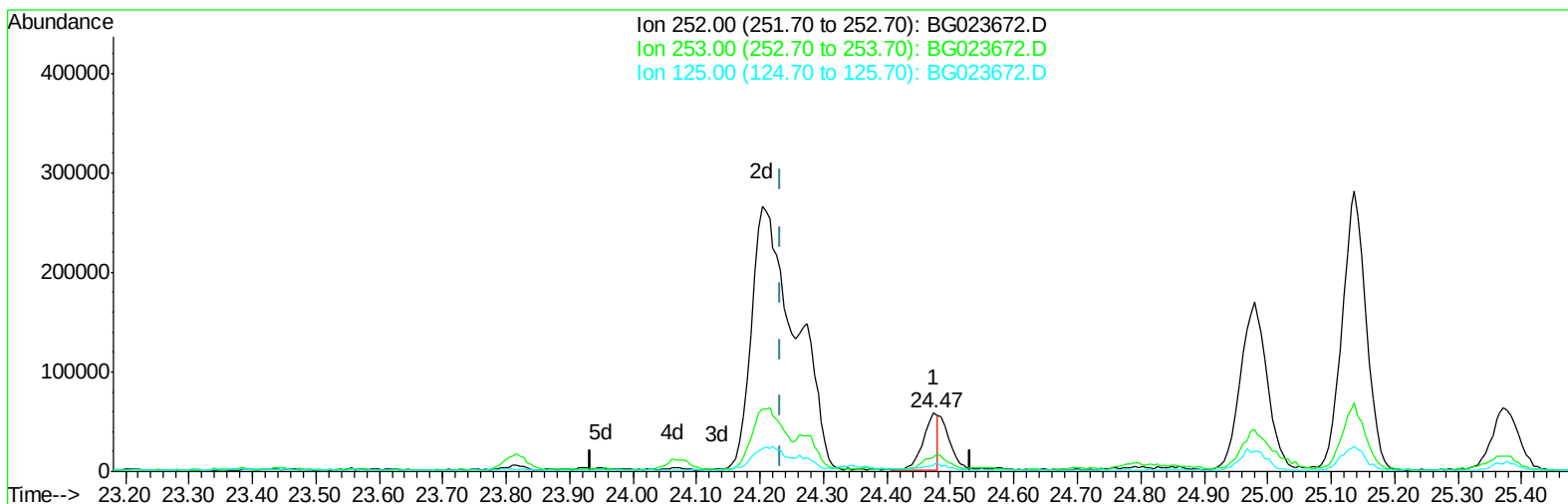
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023672.D
 Acq On : 13 Aug 2016 1:22
 Operator : UM/SJ
 Sample : H4385-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-0002-01

Manual Integrations
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 8/15/2016 6:50:12 PM

Quant Time: Aug 13 03:24:00 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: BG023672.D

(85) Benzo(b)fluoranthene

24.473min (+0.241) 1.87ng/ul

response 91523

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.83
125.00	13.50	11.52
0.00	0.00	0.00

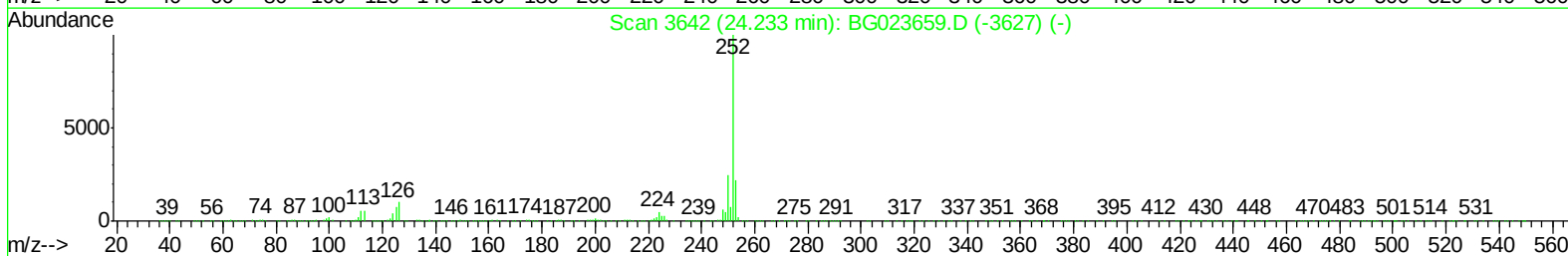
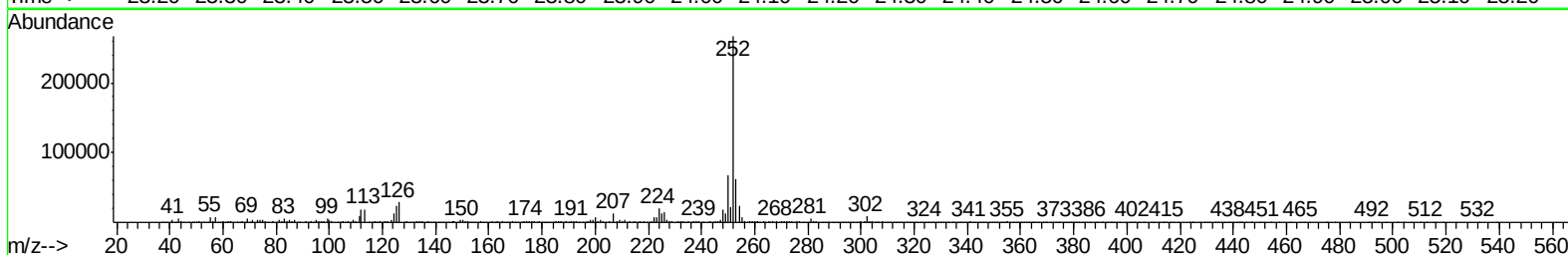
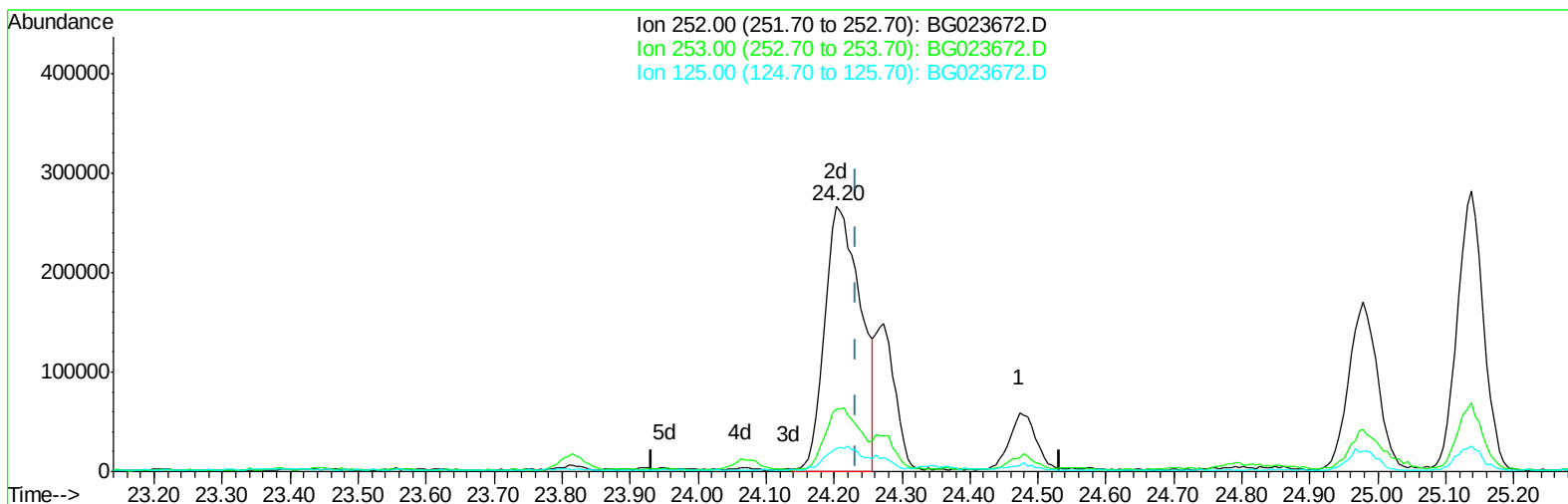
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
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Quant Time: Aug 13 03:24:00 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: BG023672.D

(85) Benzo(b)fluoranthene

24.203min (-0.029) 20.07ng/ul m

response 984609

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	23.51
125.00	13.50	8.71#
0.00	0.00	0.00

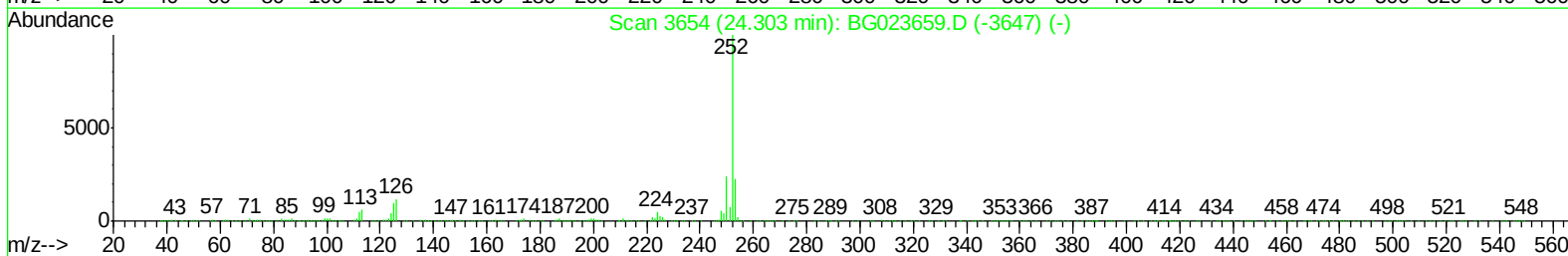
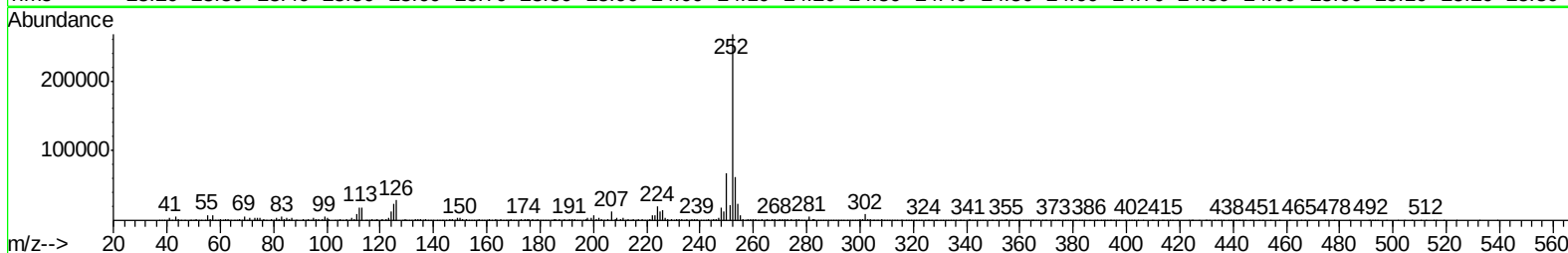
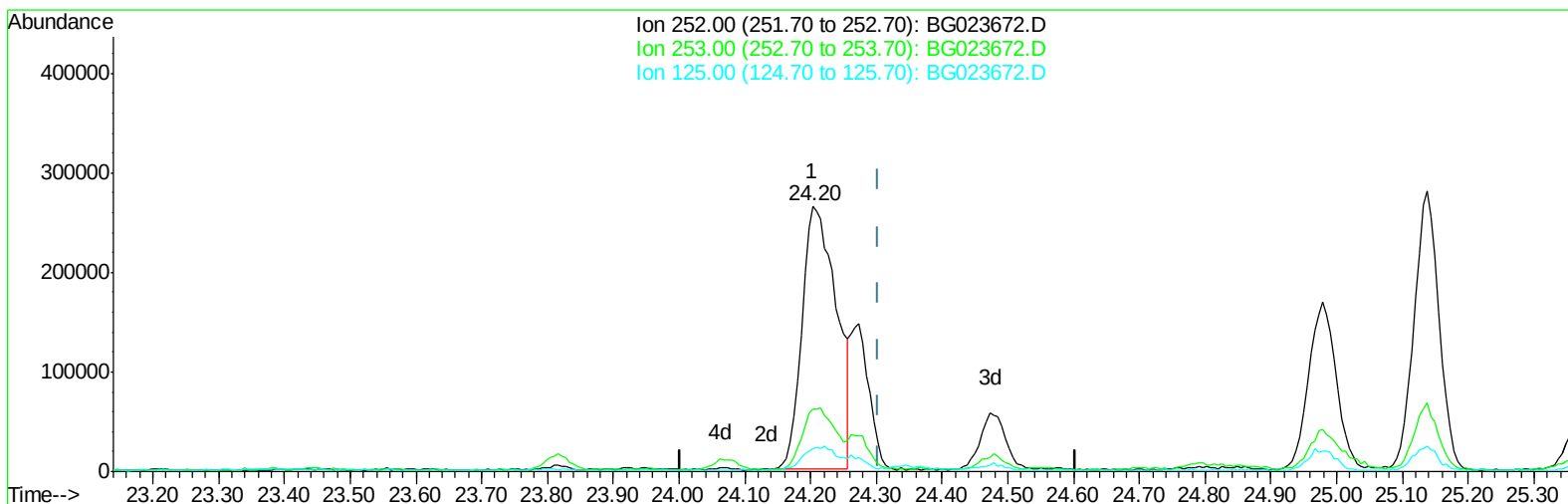
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
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sohil
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Quant Time: Aug 13 03:24:00 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: BG023672.D

(86) Benzo(k)fluoranthene

24.203min (-0.100) 20.05ng/ul

response 968340

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	23.51
125.00	13.30	8.71#
0.00	0.00	0.00

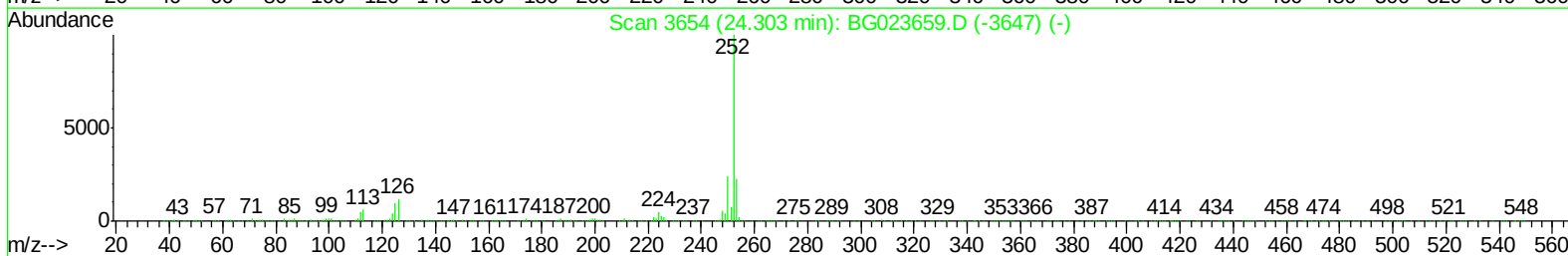
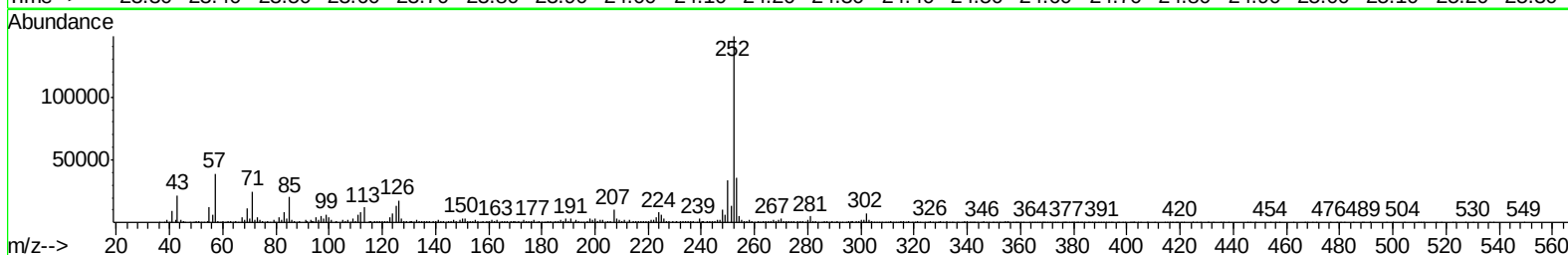
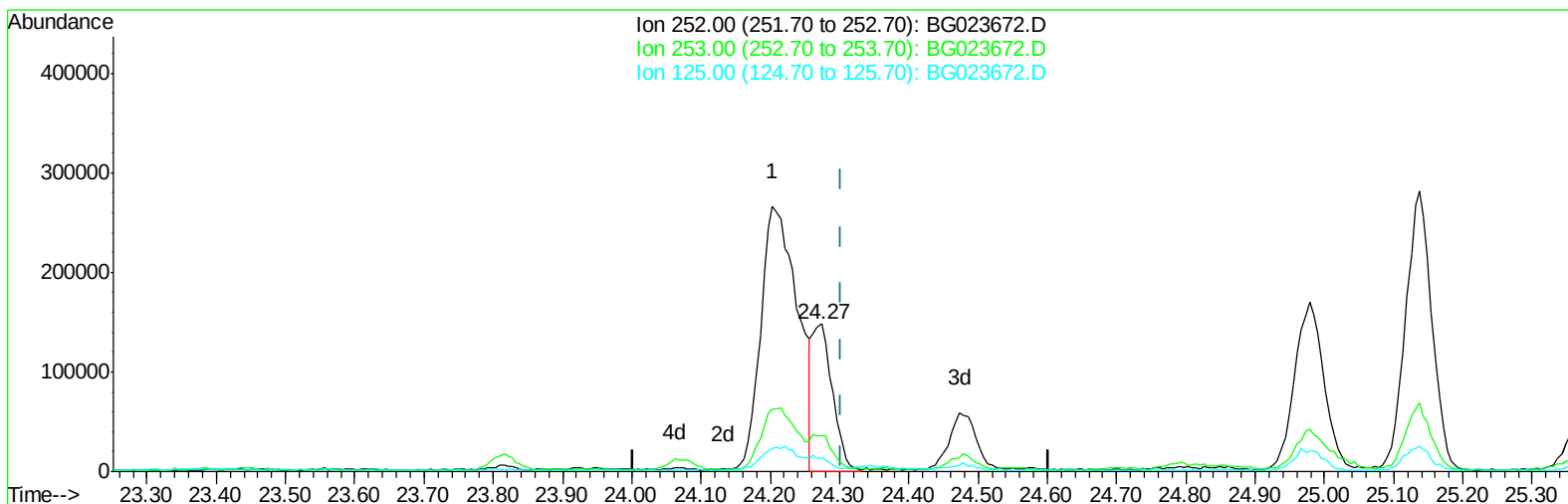
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:12 PM

Quant Time: Aug 13 03:24:00 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: BG023672.D

(86) Benzo(k)fluoranthene

24.274min (-0.029) 6.15ng/ul m

response 296893

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	24.22#
125.00	13.30	9.19#
0.00	0.00	0.00

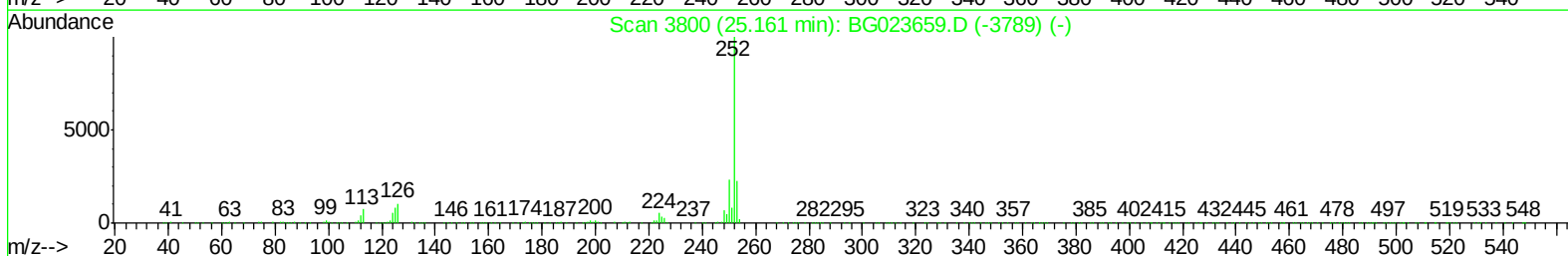
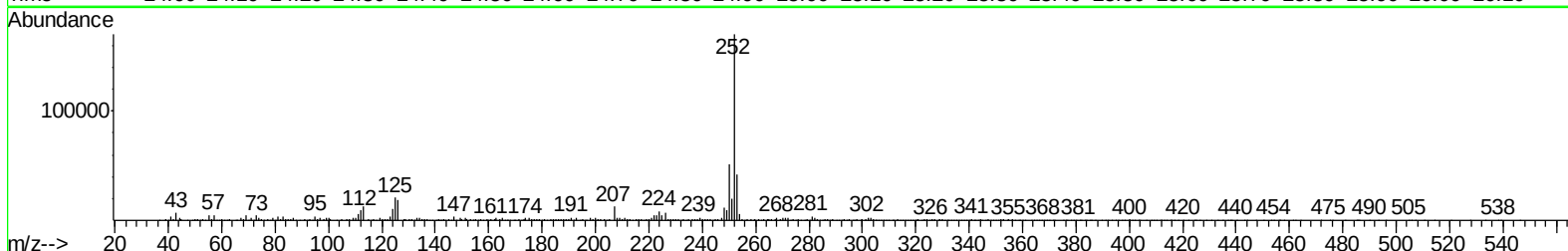
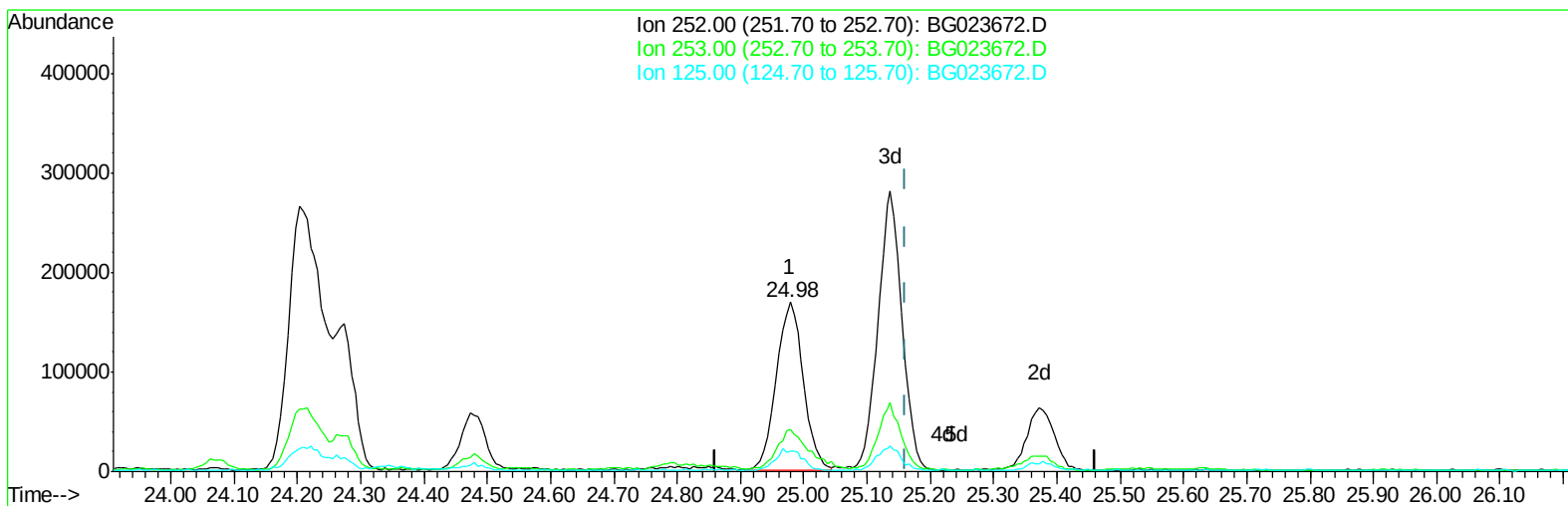
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:12 PM

Quant Time: Aug 13 03:24:00 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: BG023672.D

(88) Benzo(a)pyrene (C)

24.978min (-0.182) 10.44ng/ul

response 494408

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	24.75
125.00	15.00	12.26
0.00	0.00	0.00

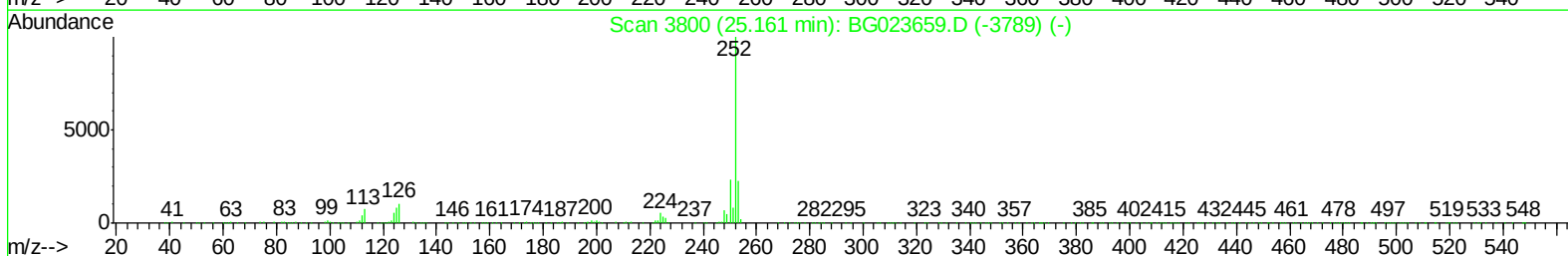
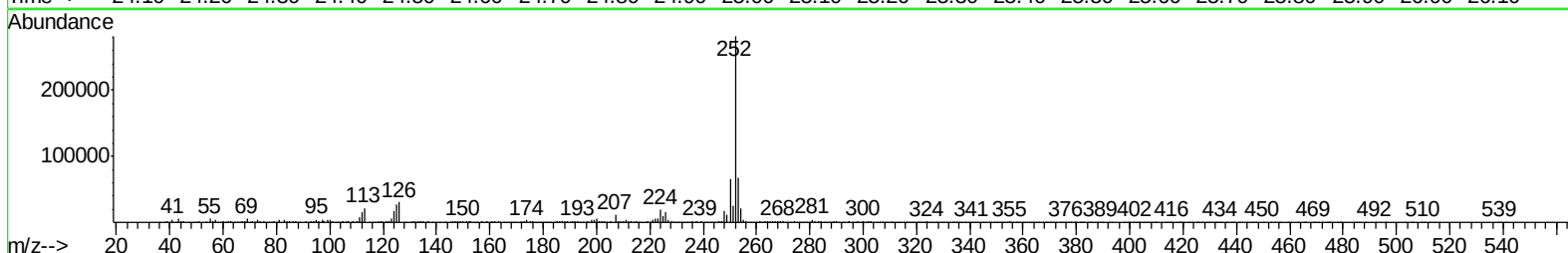
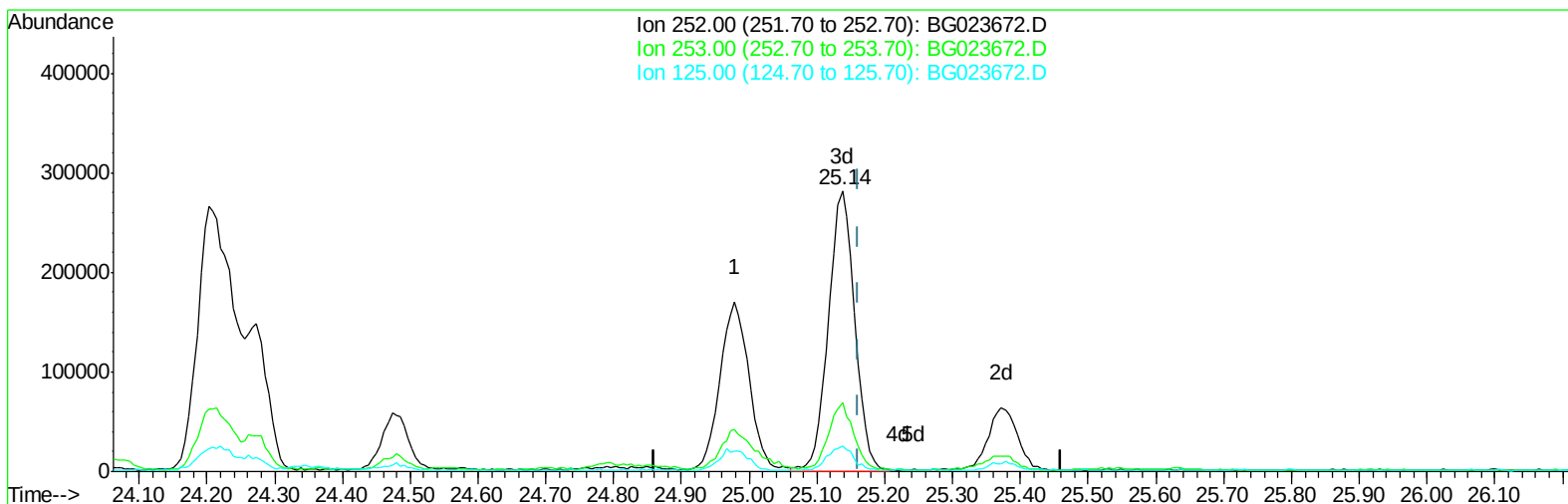
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:12 PM

Quant Time: Aug 13 03:24:00 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: BG023672.D

(88) Benzo(a)pyrene (C)

25.137min (-0.024) 16.02ng/ul m

response 758981

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	24.35
125.00	15.00	9.33#
0.00	0.00	0.00

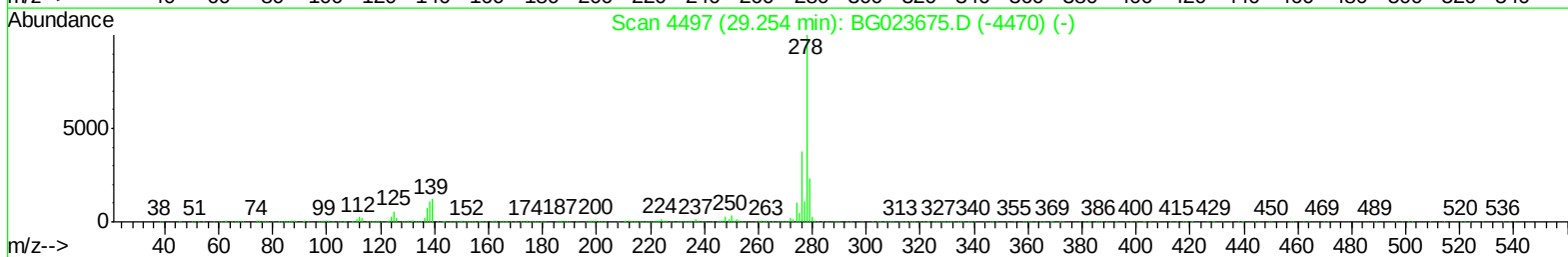
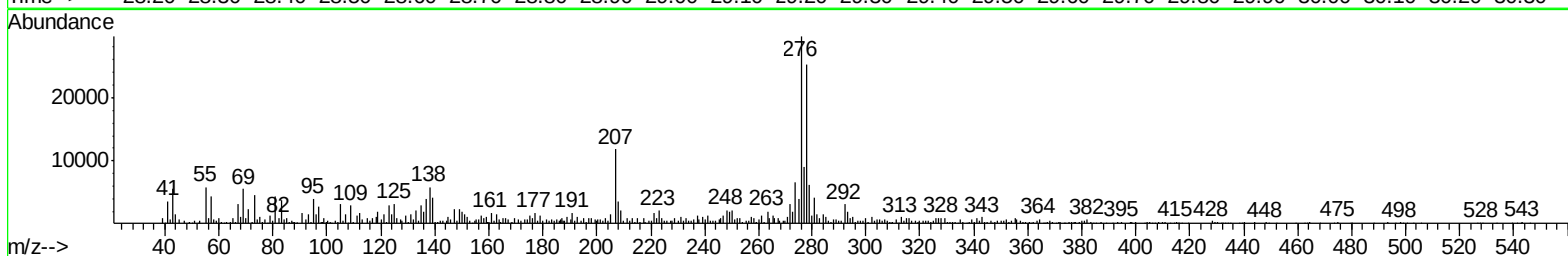
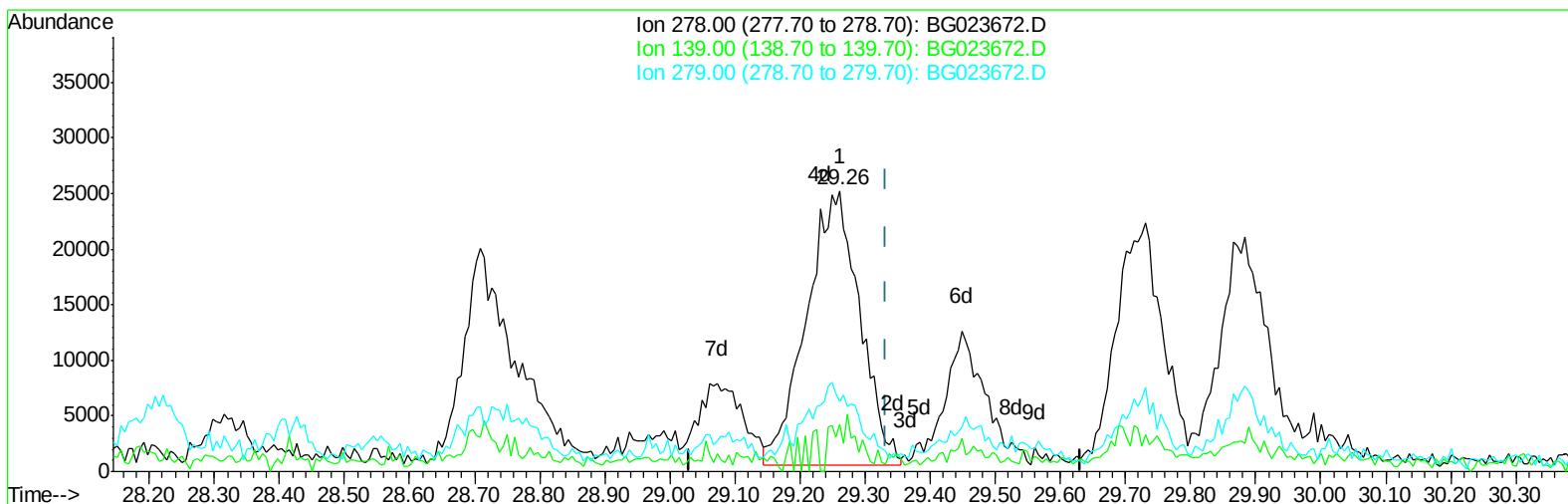
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
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8/15/2016 6:50:12 PM

Quant Time: Aug 15 18:08:51 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: BG023672.D

(90) Dibenzo(a,h)anthracene

29.261min (-0.071) 2.95ng/ul m

response 140010

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	17.01
279.00	23.90	24.84
0.00	0.00	0.00

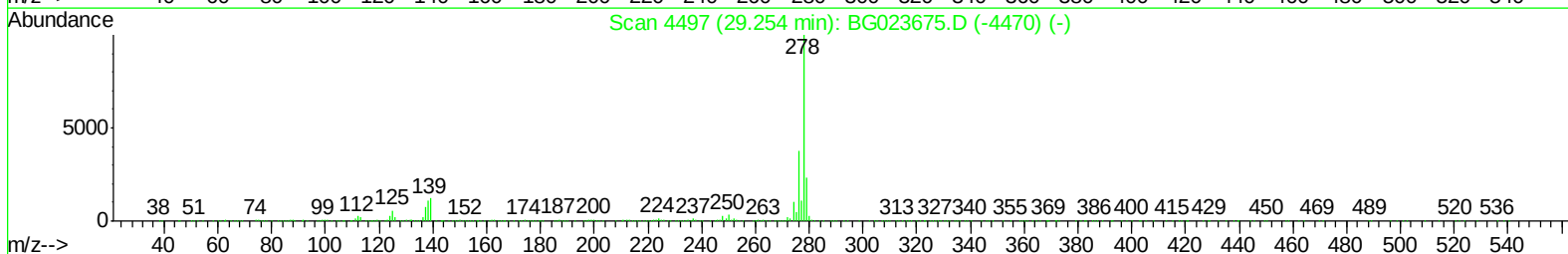
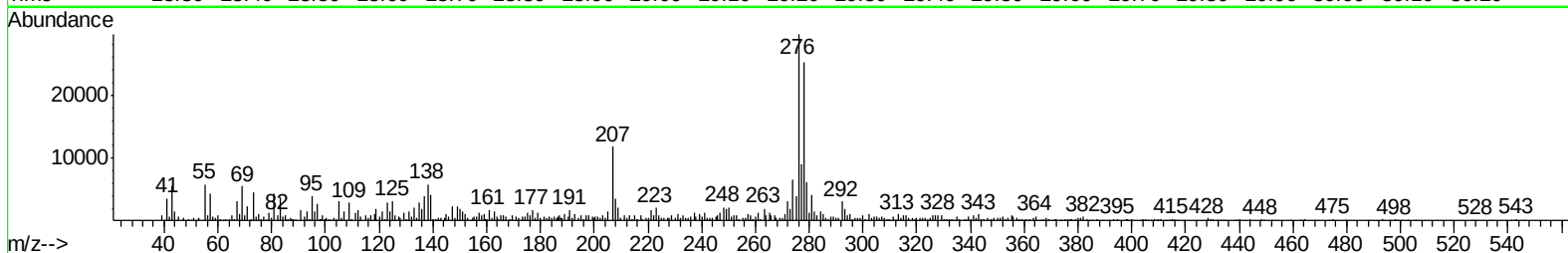
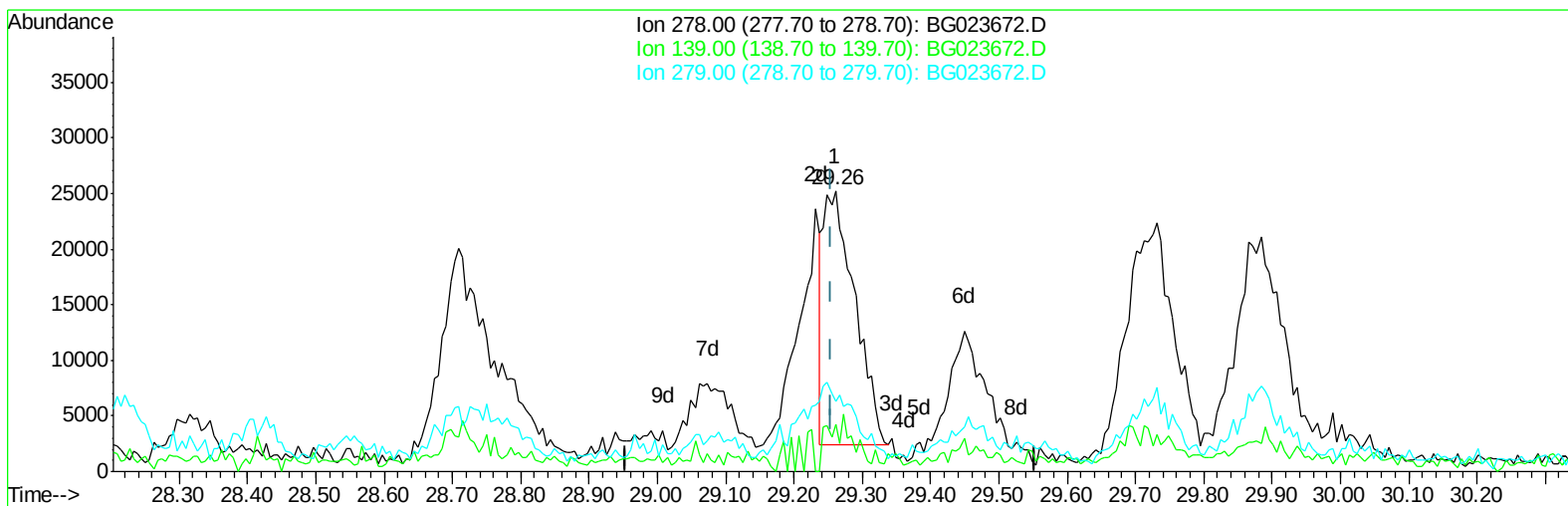
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

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8/15/2016 6:50:12 PM

Quant Time: Aug 23 18:51:57 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: BG023672.D

(90) Dibenzo(a,h)anthracene

29.261min (+0.007) 1.52ng/ul

response 72100

Ion	Exp%	Act%
278.00	100	100
139.00	20.40	17.01
279.00	23.90	24.84
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023672.D
 Acq On : 13 Aug 2016 1:22
 Operator : UM/SJ
 Sample : H4385-17
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P003-SS001-0002-01

Manual Integrations
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 8/15/2016 6:50:12 PM

Quant Time: Aug 13 05:25:20 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	110904	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	501643	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	363691	20.00	ng/ul	-0.02
61) Phenanthrene-d10	17.55	188	836586	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	843298	20.00	ng/ul	-0.02
83) Perylene-d12	25.30	264	862698	20.00	ng/ul	-0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	13184	5.05	ng/uL	0.00
5) Phenol-d5	7.27	99	321305	28.76	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	207704	29.02	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	227446	29.84	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	248011	28.44	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	120285	30.42	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	148592	32.72	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	275526	32.16	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	305589	30.41	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	976966	32.81	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	1129013	33.69	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.00	143	173581	34.15	ng/ul	-0.02
57) Fluorene-d10	15.79	176	891905	32.42	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.91	200	168657	31.42	ng/ul	-0.02
70) Anthracene-d10	17.65	188	1279193	33.94	ng/ul	-0.01
76) Pyrene-d10	19.95	212	1373584	32.18	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.06	264	1402104	35.91	ng/ul	-0.03

Target Compounds

						Qvalue
44) Dimethylphthalate	14.23	163	637419	21.62	ng/ul	99
47) Acenaphthylene	14.52	152	71296	2.03	ng/ul	95
49) Acenaphthene	14.85	153	39649	1.66	ng/ul	96
58) Fluorene	15.84	166	53663	1.82	ng/ul	97
69) Phenanthrene	17.60	178	977305	22.56	ng/ul	98
71) Anthracene	17.69	178	181900	4.11	ng/ul	98
72) Carbazole	17.96	167	89149	2.50	ng/ul	98
74) Fluoranthene	19.62	202	1501193m	33.84	ng/ul	
77) Pyrene	19.98	202	1537389	29.49	ng/ul	94
80) Benzo(a)anthracene	21.86	228	794295	16.73	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.74	149	31396	1.18	ng/ul#	99
82) Chrysene	21.93	228	836683m	19.38	ng/ul	
85) Benzo(b)fluoranthene	24.20	252	984609m	20.07	ng/ul	
86) Benzo(k)fluoranthene	24.27	252	296893m	6.15	ng/ul	
88) Benzo(a)pyrene	25.14	252	758981m	16.02	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.21	276	470775	8.46	ng/ul#	85
91) Benzo(g,h,i)perylene	30.44	276	470844	10.20	ng/ul#	82

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023672.D
Acq On : 13 Aug 2016 1:22
Operator : UM/SJ
Sample : H4385-17
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P003-SS001-0002-01

Manual Integrations
APPROVED

sohil
8/15/2016 6:50:12 PM

Quant Time: Aug 13 05:25:20 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

