

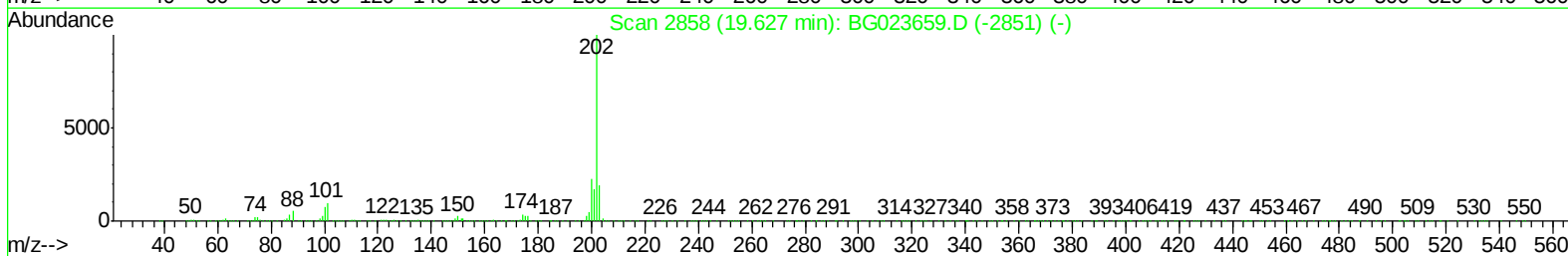
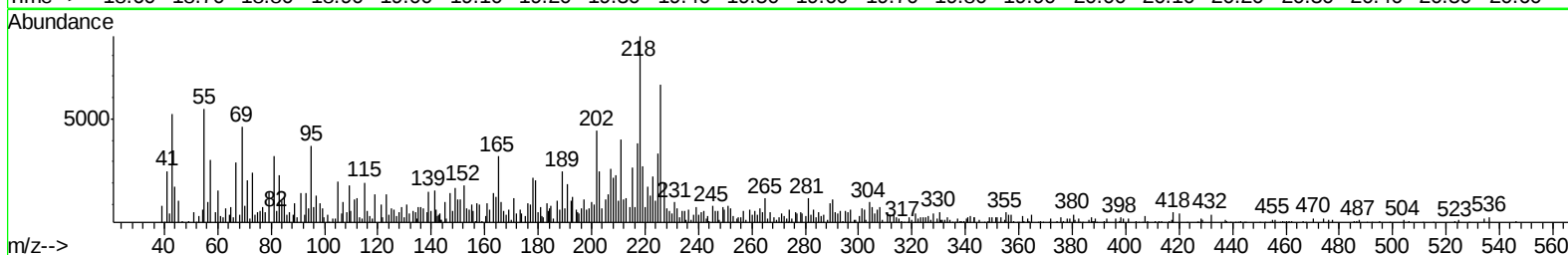
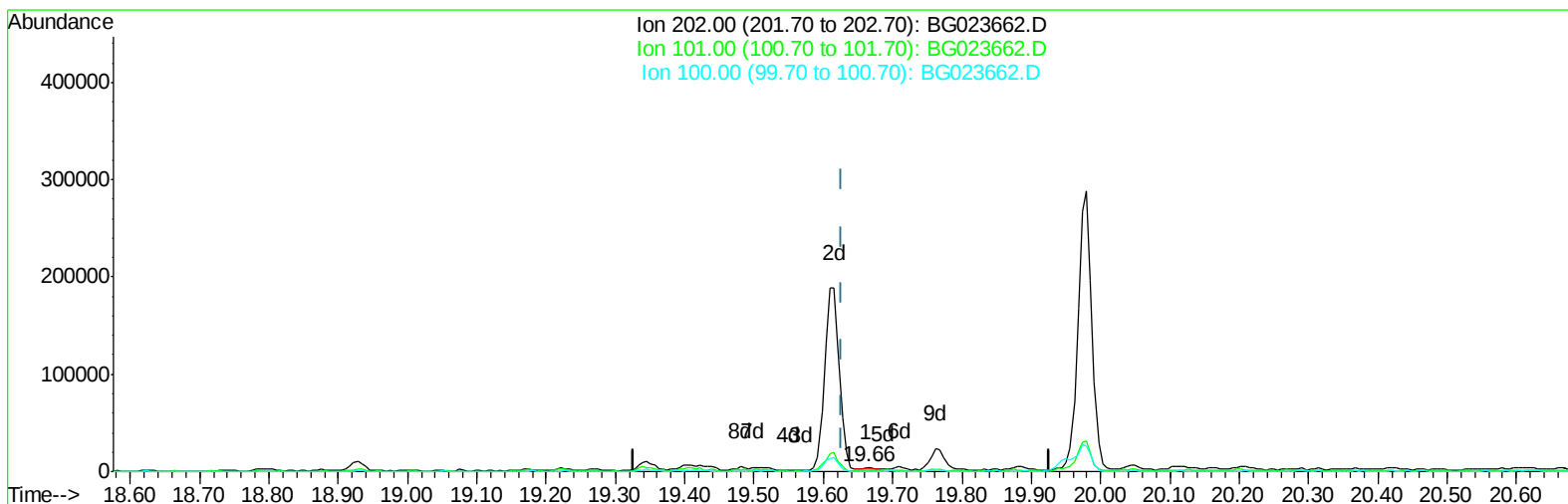
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Quant Time: Aug 13 04:24:09 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

Manual Integrations
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TIC: BG023662.D

(74) Fluoranthene (C)

19.662min (+0.035) 0.04ng/ul

response 2479

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	12.12
100.00	10.90	8.85
0.00	0.00	0.00

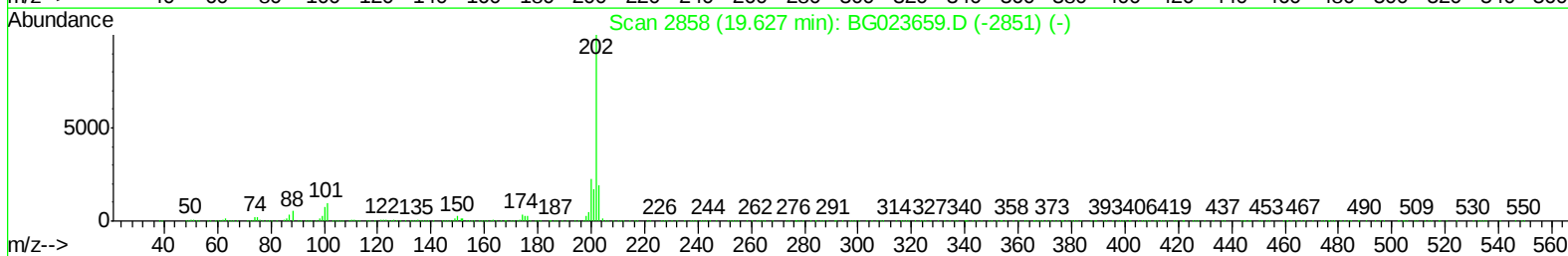
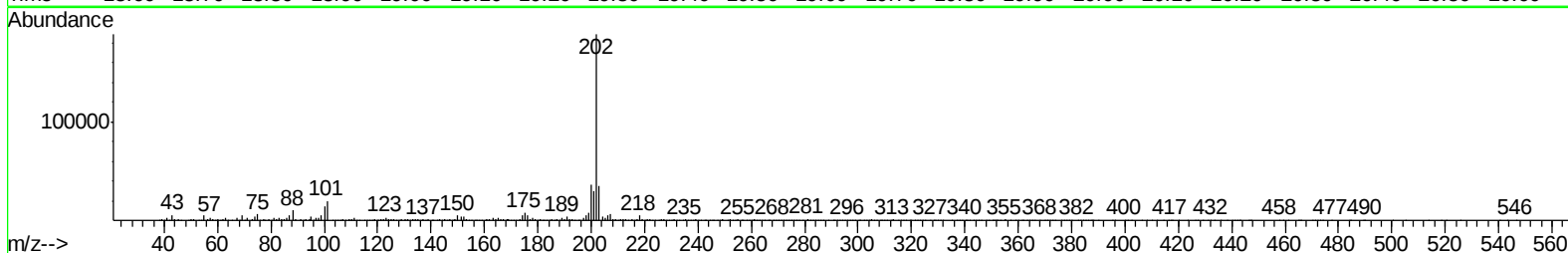
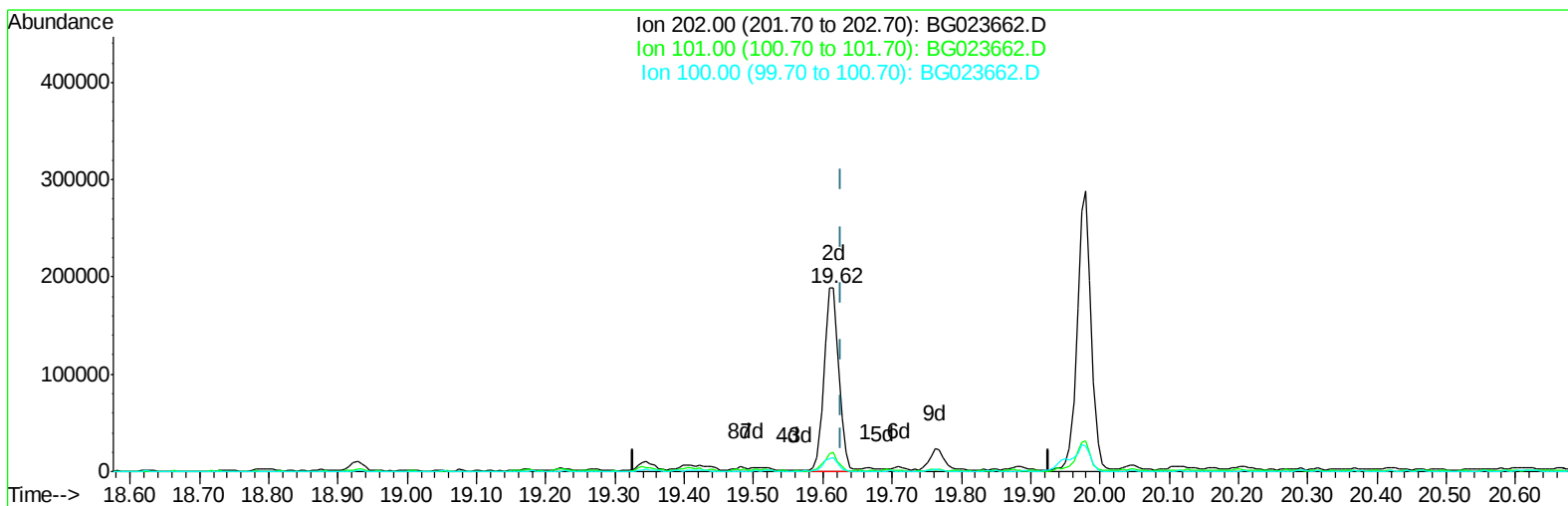
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(74) Fluoranthene (C)

19.615min (-0.012) 5.08ng/ul m

response 283064

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	10.67
100.00	10.90	7.59#
0.00	0.00	0.00

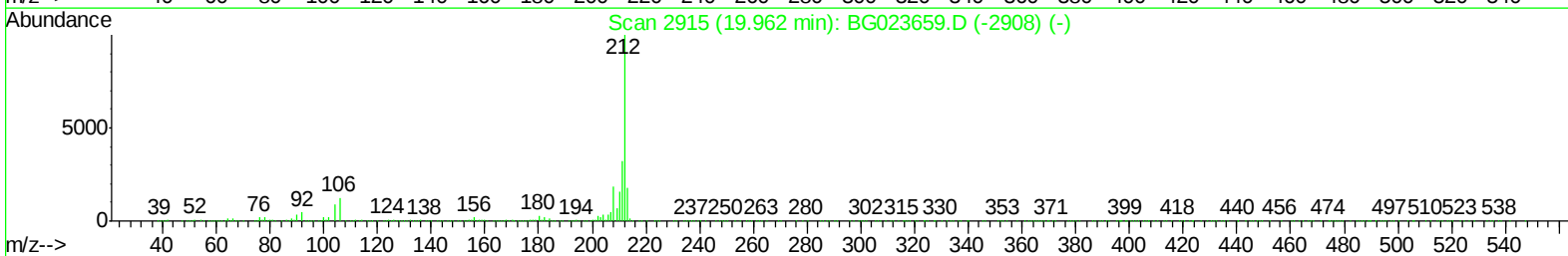
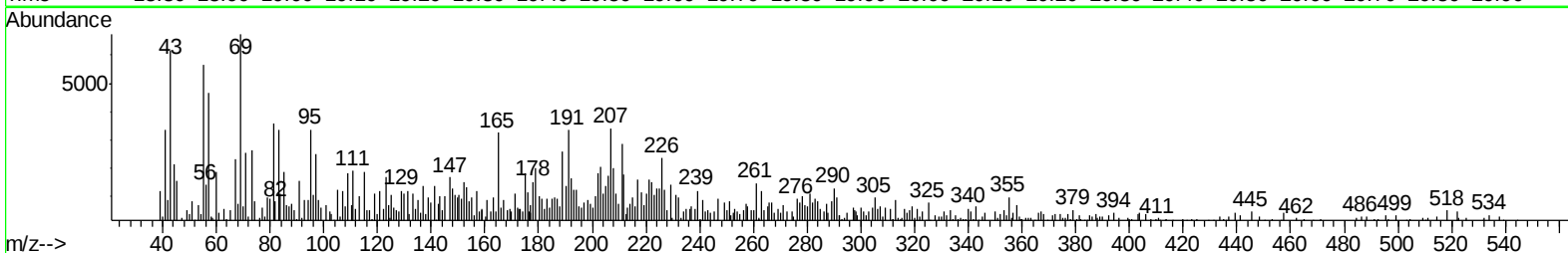
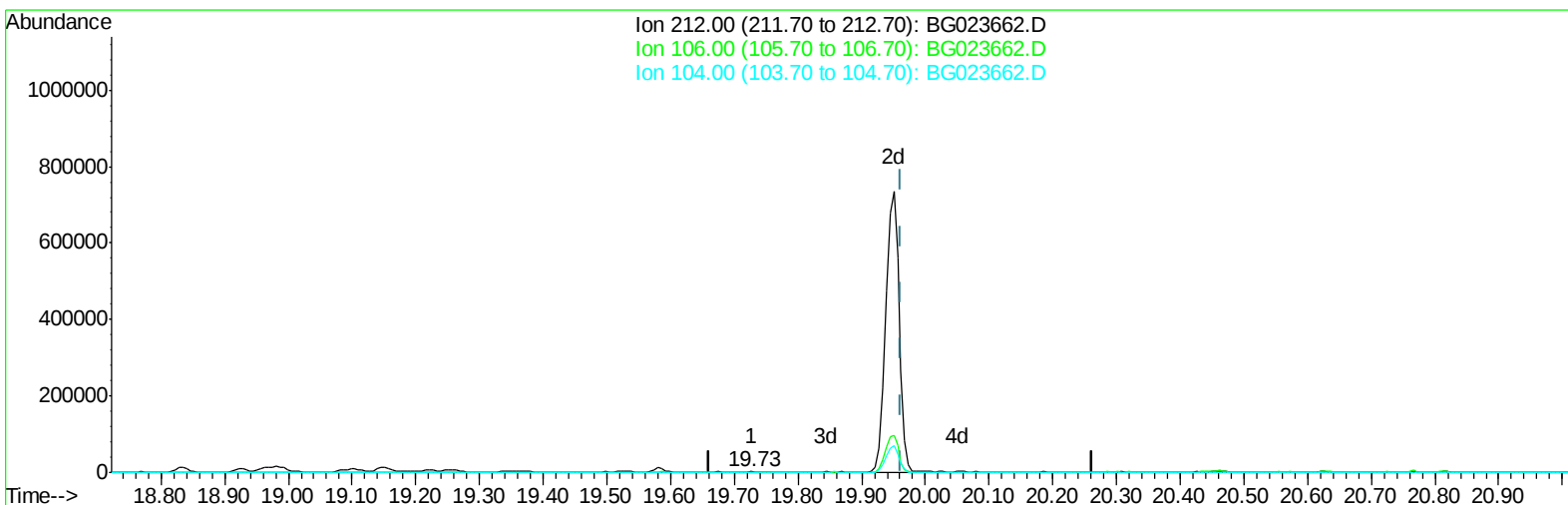
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(76) Pyrene-d10 (S)

19.727min (-0.235) 0.02ng/ul

response 1136

Ion	Exp%	Act%
212.00	100	100
106.00	18.40	16.39
104.00	11.70	9.42
0.00	0.00	0.00

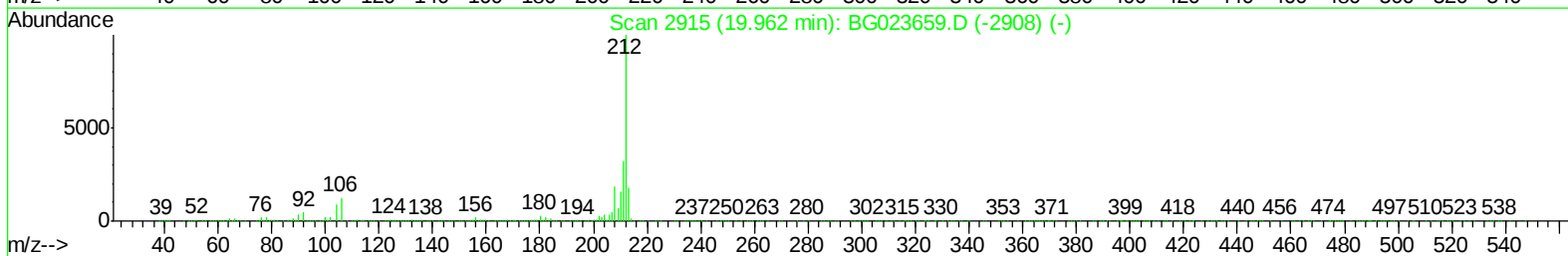
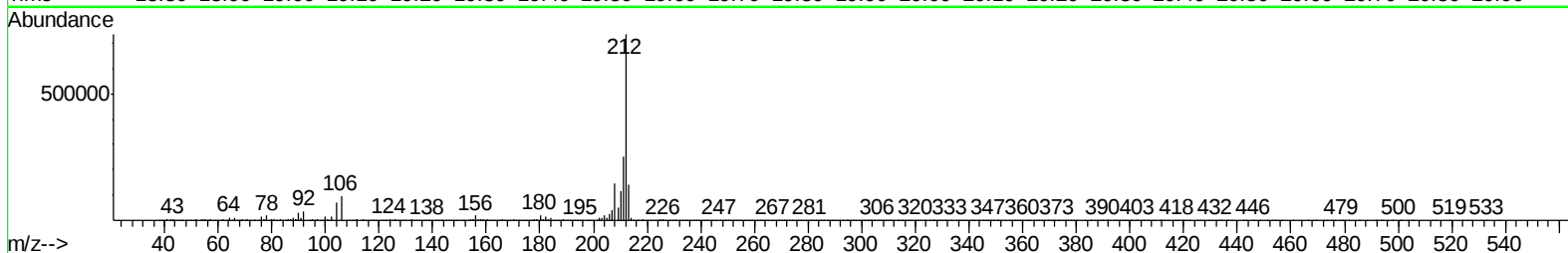
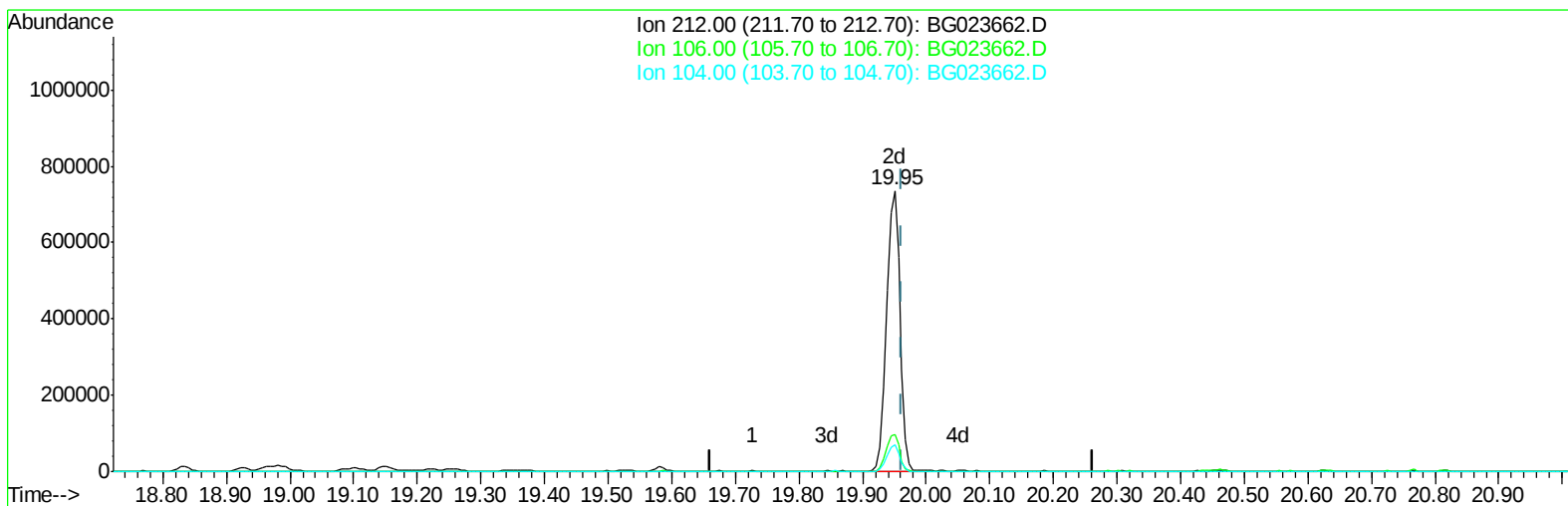
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(76) Pyrene-d10 (S)

19.950min (-0.012) 21.28ng/ul m

response 1104865

Ion	Exp%	Act%
212.00	100	100
106.00	18.40	13.06#
104.00	11.70	9.57
0.00	0.00	0.00

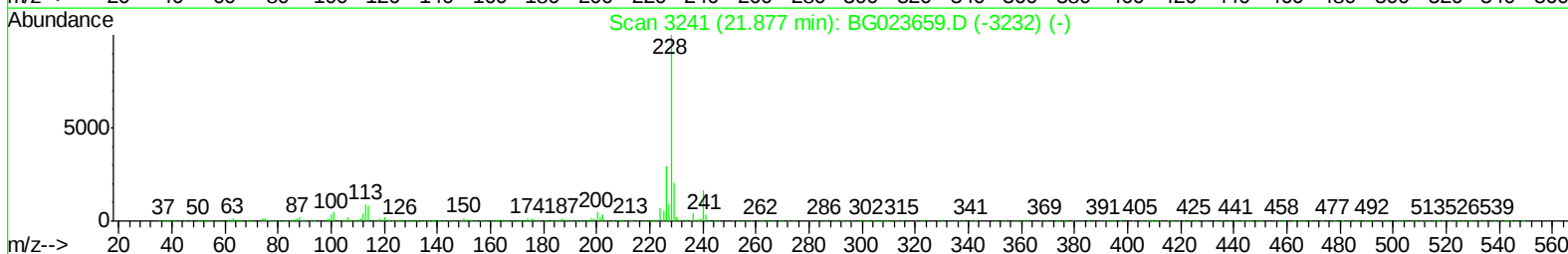
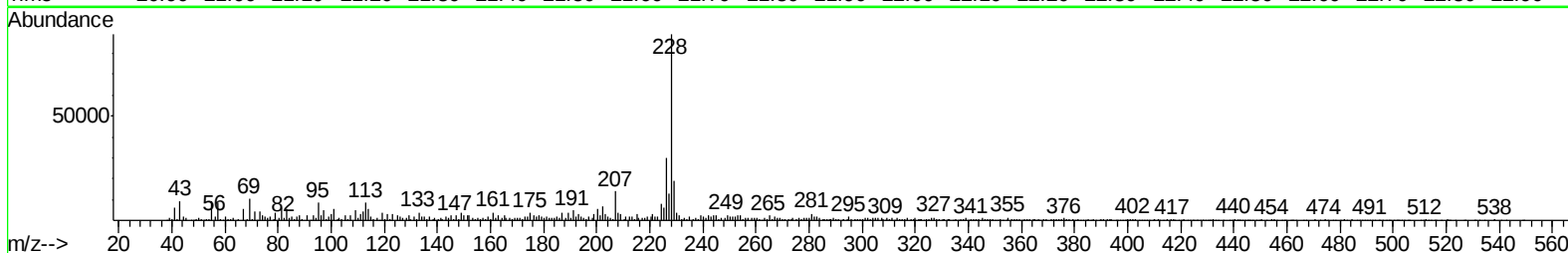
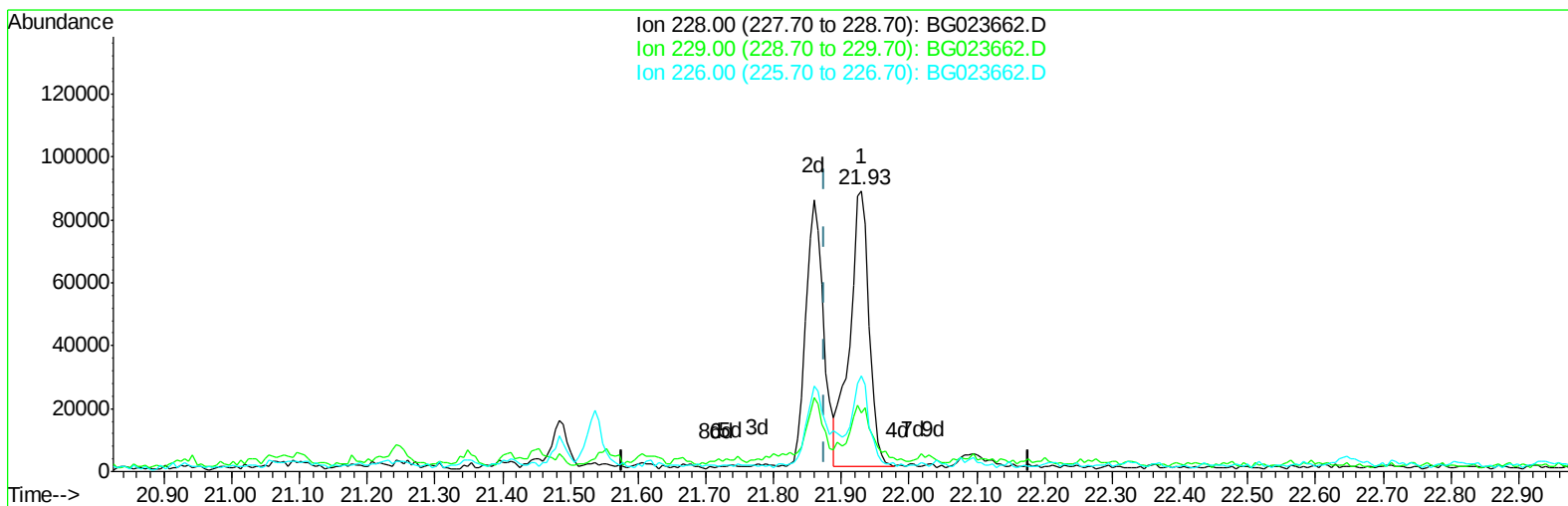
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(80) Benzo(a)anthracene
21.930min (+0.053) 3.04ng/ul
response 175420

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	21.05
226.00	28.50	33.97
0.00	0.00	0.00

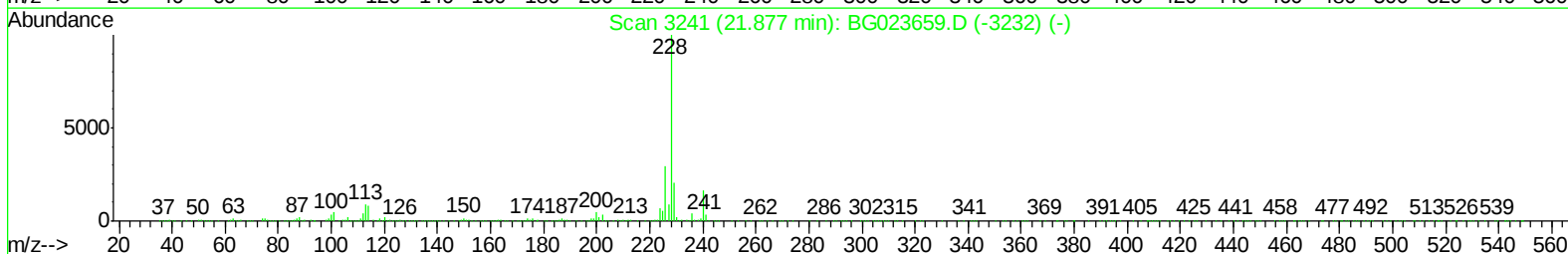
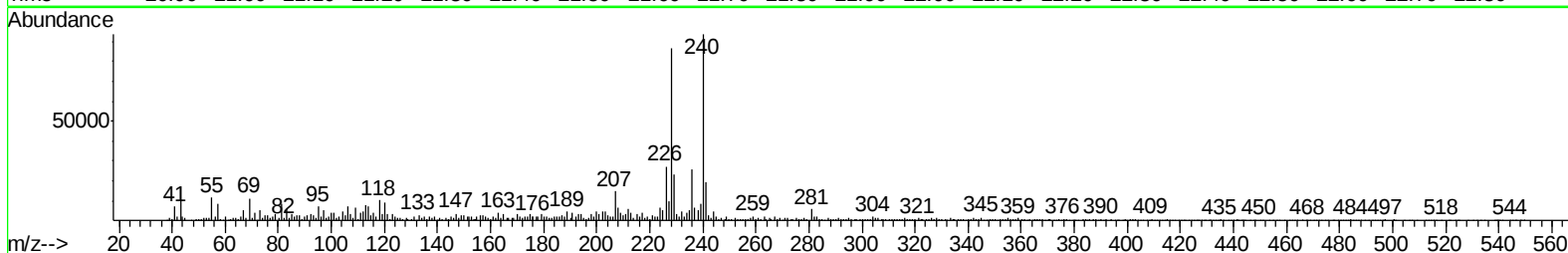
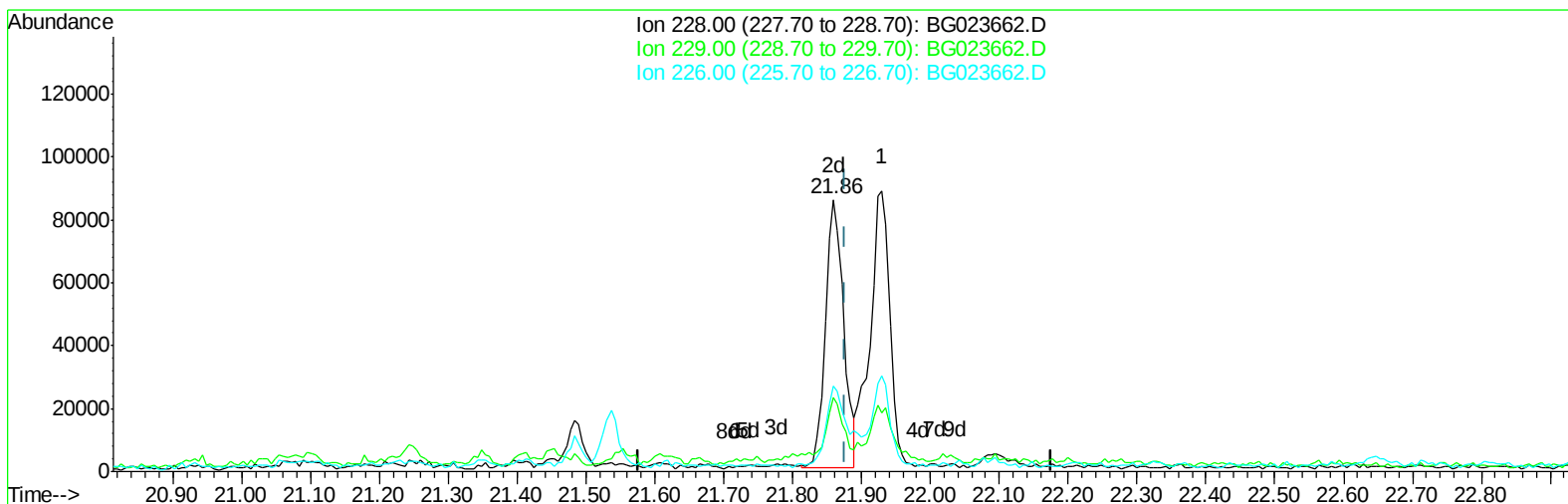
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(80) Benzo(a)anthracene

21.859min (-0.018) 2.69ng/ul m

response 155350

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	27.01#
226.00	28.50	31.58
0.00	0.00	0.00

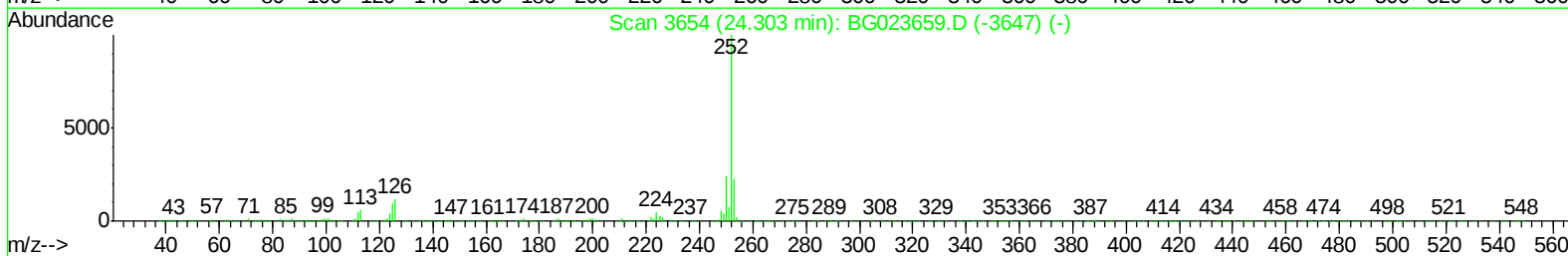
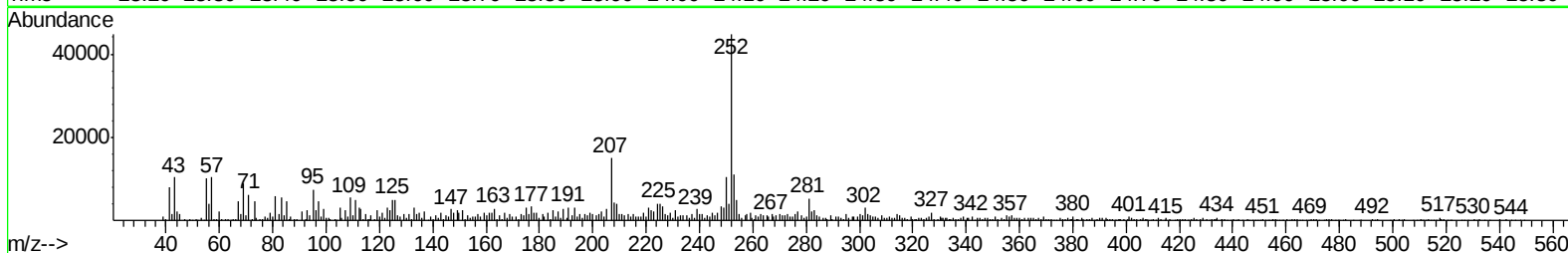
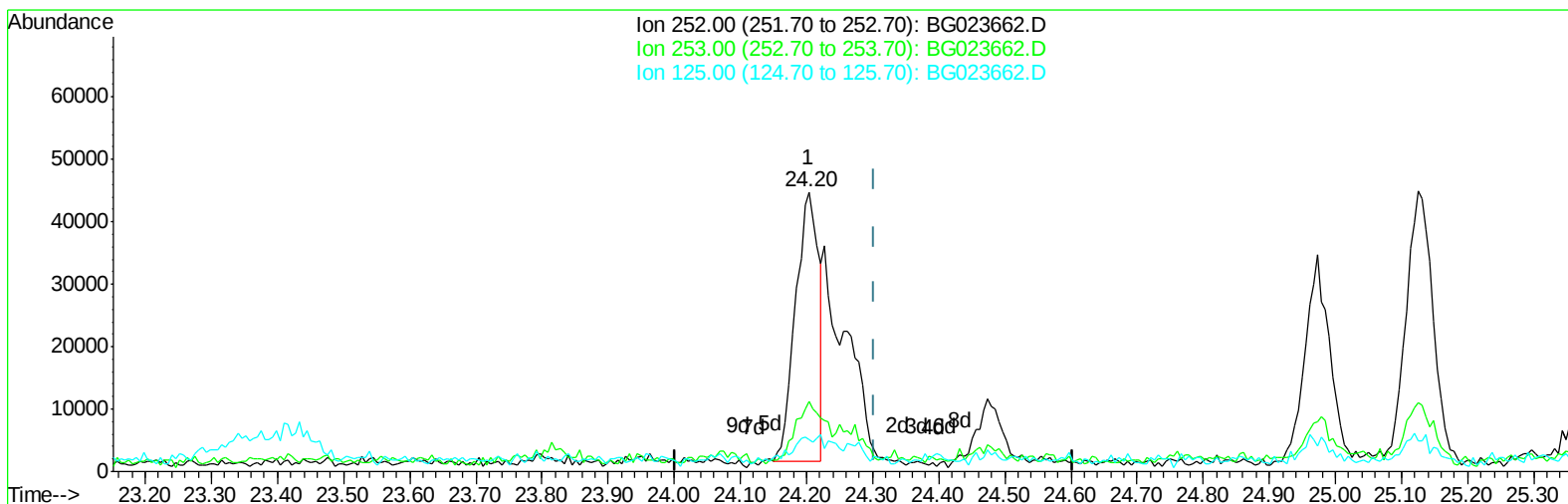
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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Quant Time: Aug 13 04:24:09 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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TIC: BG023662.D

(86) Benzo(k)fluoranthene

24.203min (-0.100) 1.73ng/ul

response 103242

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	24.90#
125.00	13.30	11.54
0.00	0.00	0.00

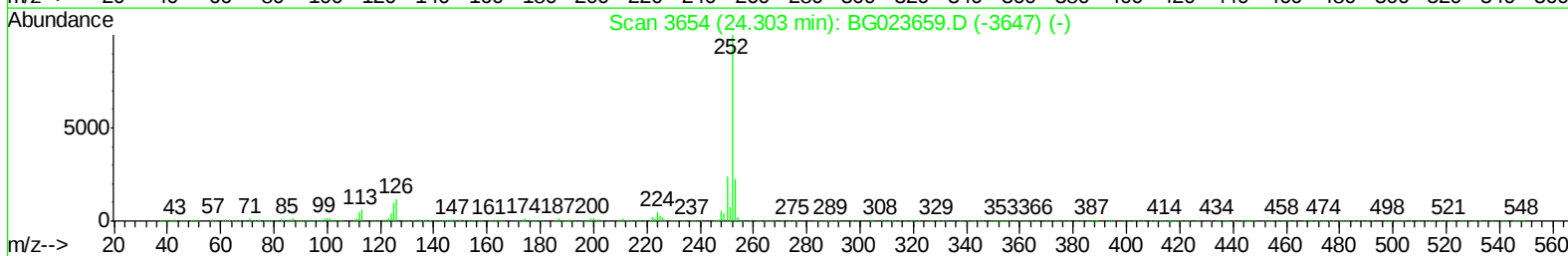
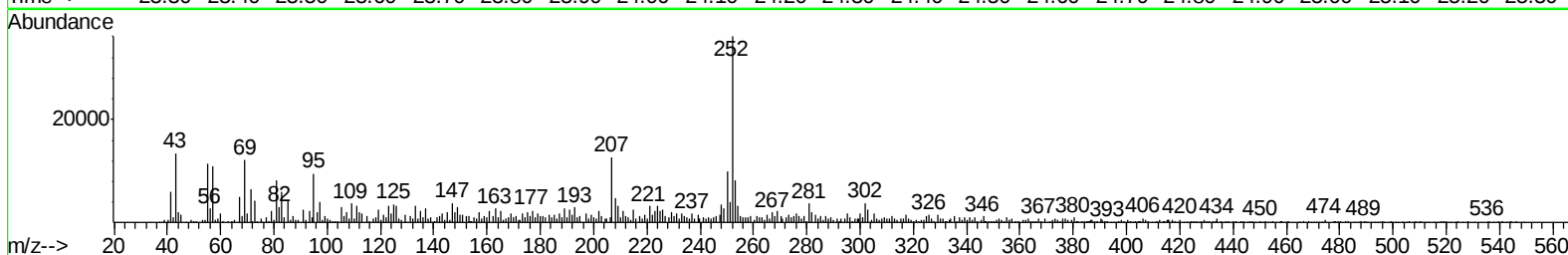
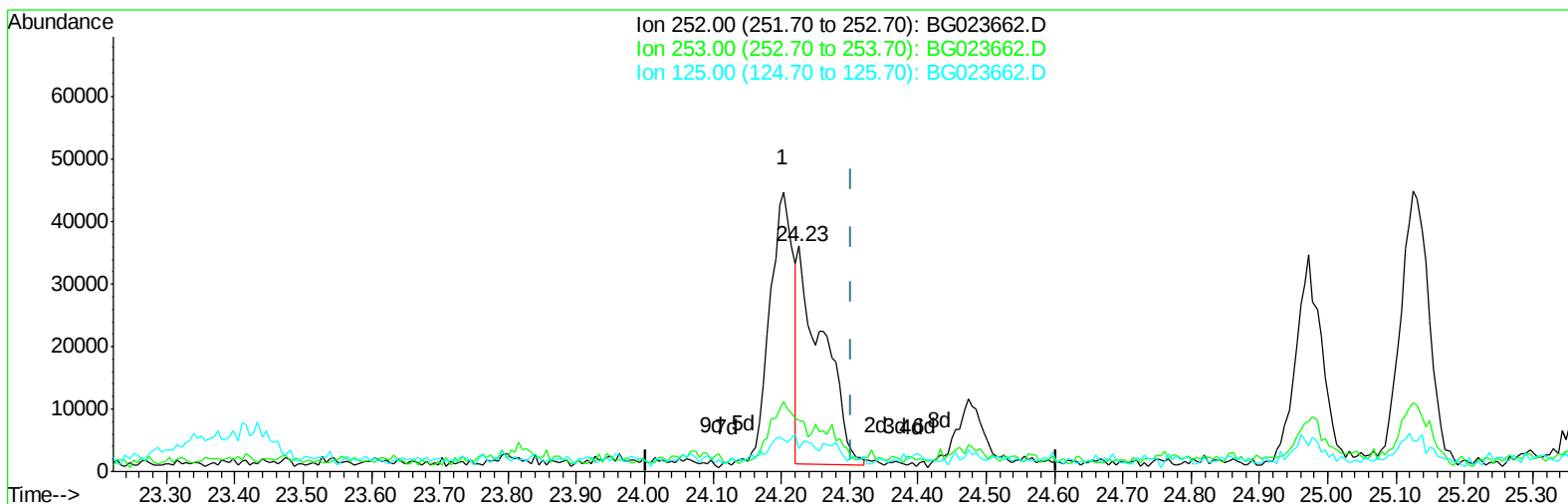
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(86) Benzo(k)fluoranthene

24.227min (-0.076) 1.47ng/ul m

response 87798

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	22.82
125.00	13.30	10.18#
0.00	0.00	0.00

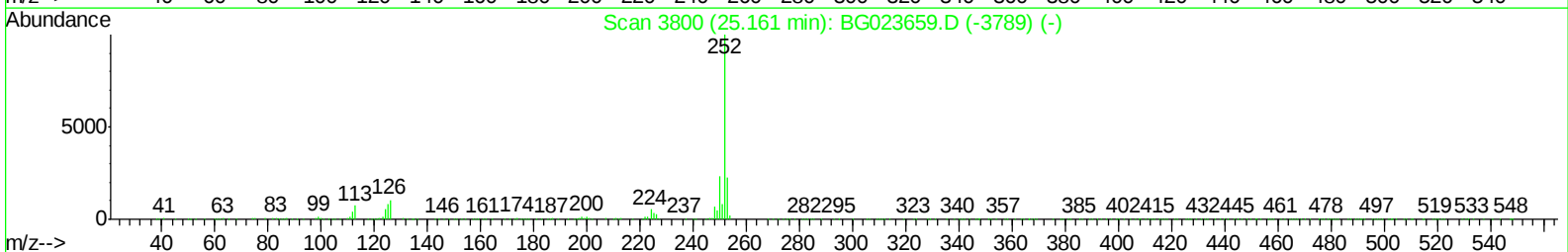
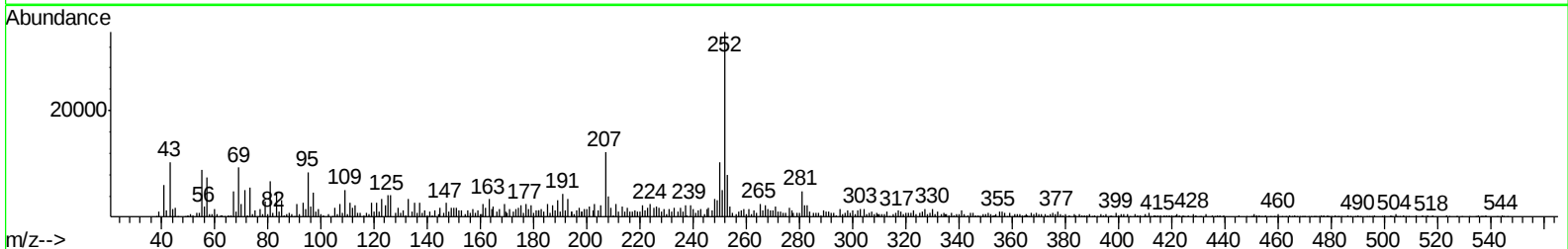
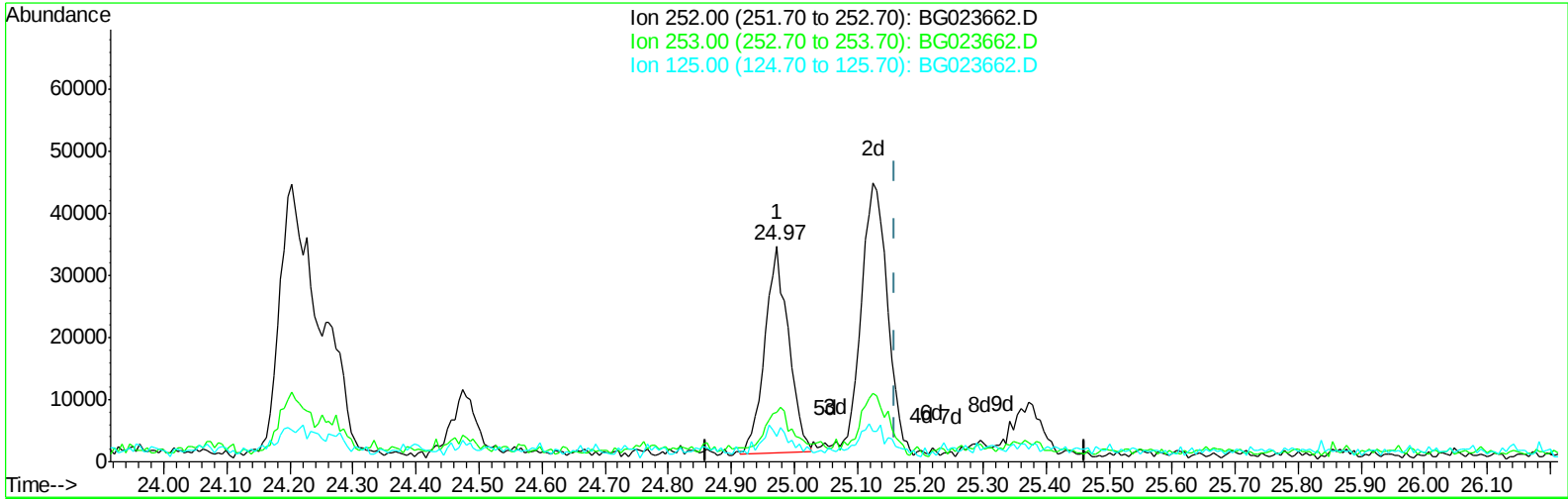
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(88) Benzo(a)pyrene (C)

24.973min (-0.188) 1.48ng/ul

response 86490

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.87
125.00	15.00	12.02
0.00	0.00	0.00

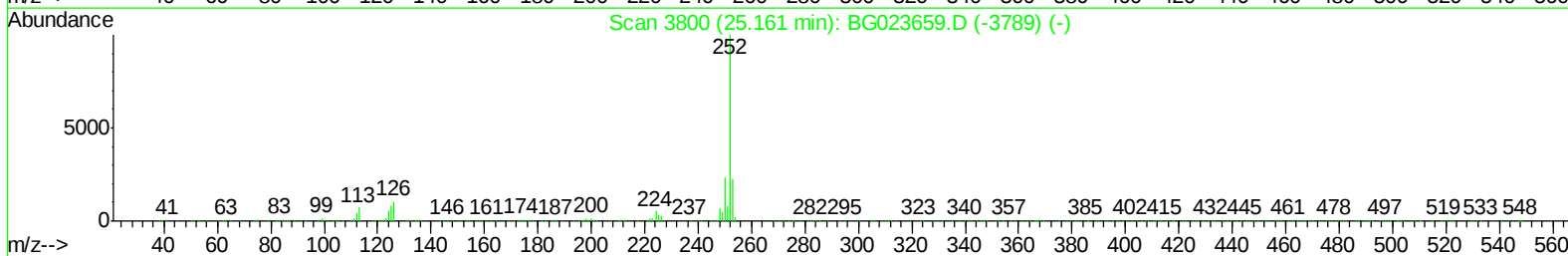
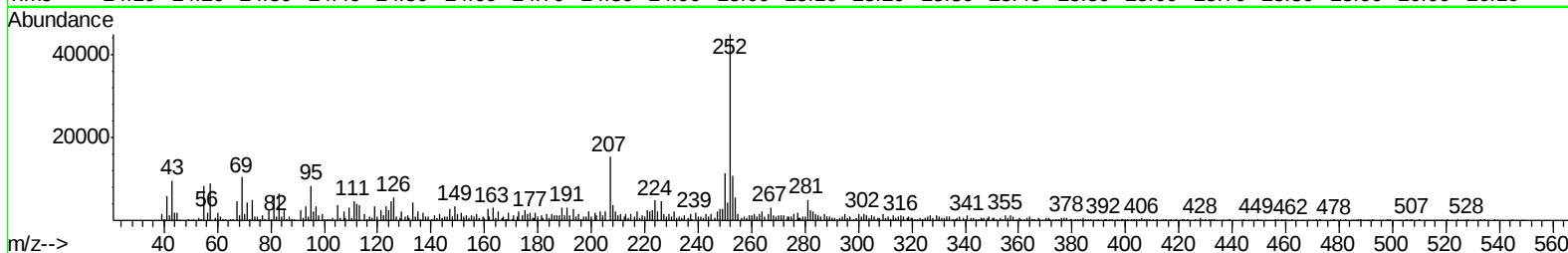
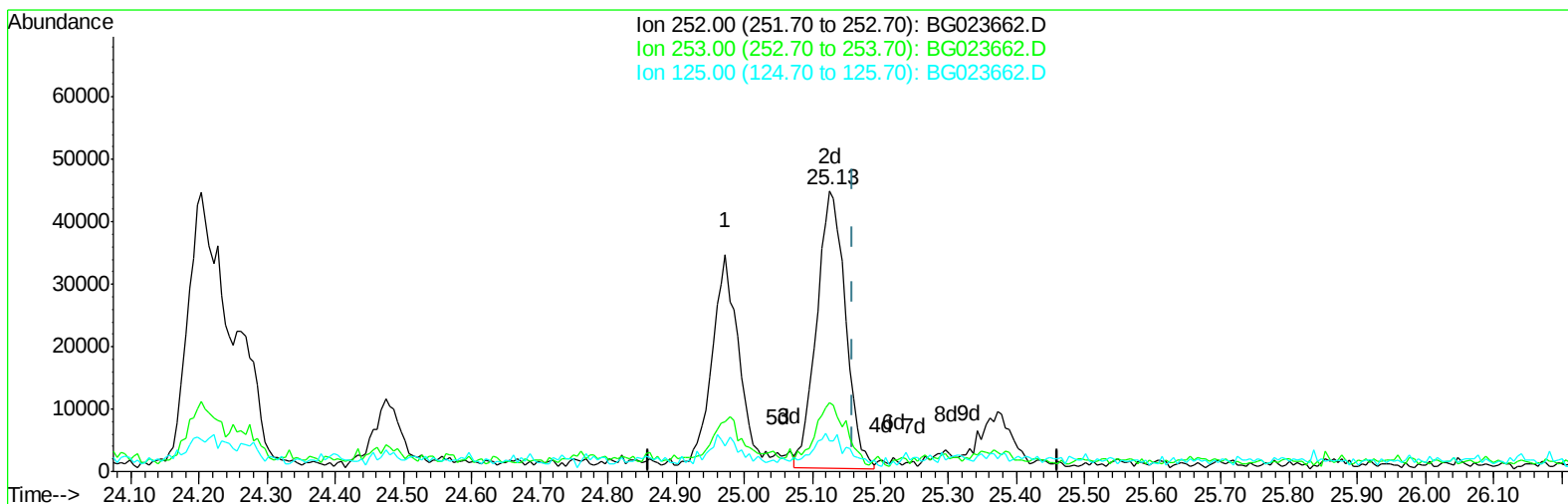
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

(88) Benzo(a)pyrene (C)

25.125min (-0.035) 2.23ng/ul m

response 130400

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	24.34
125.00	15.00	10.83#
0.00	0.00	0.00

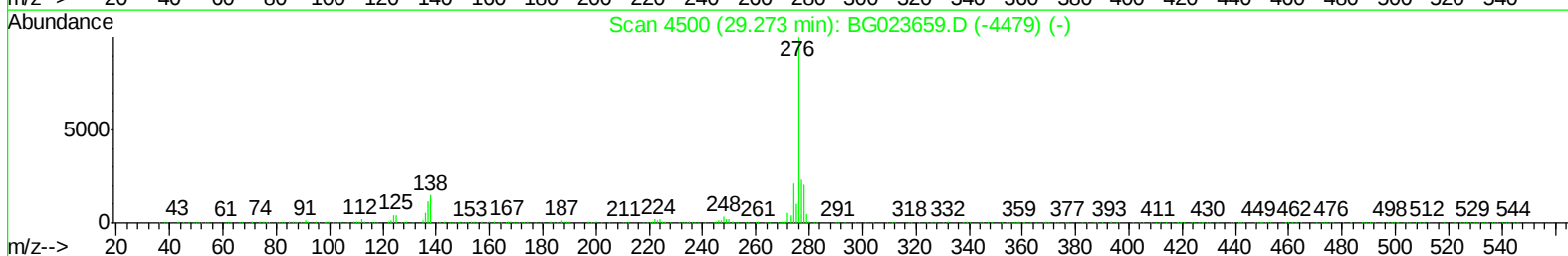
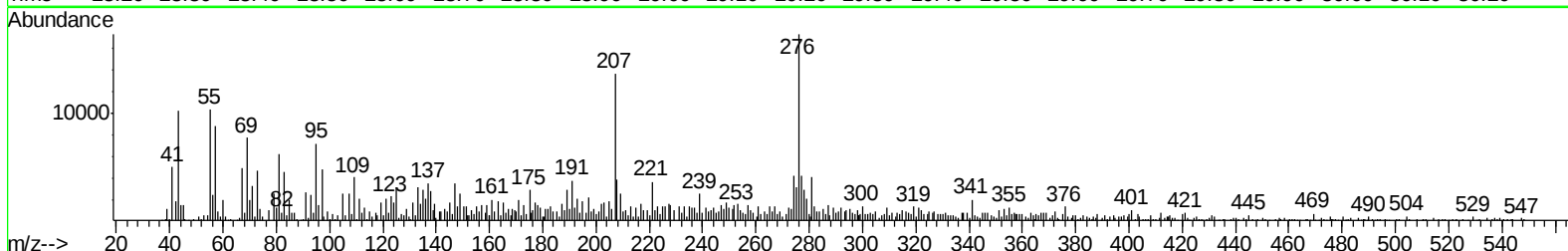
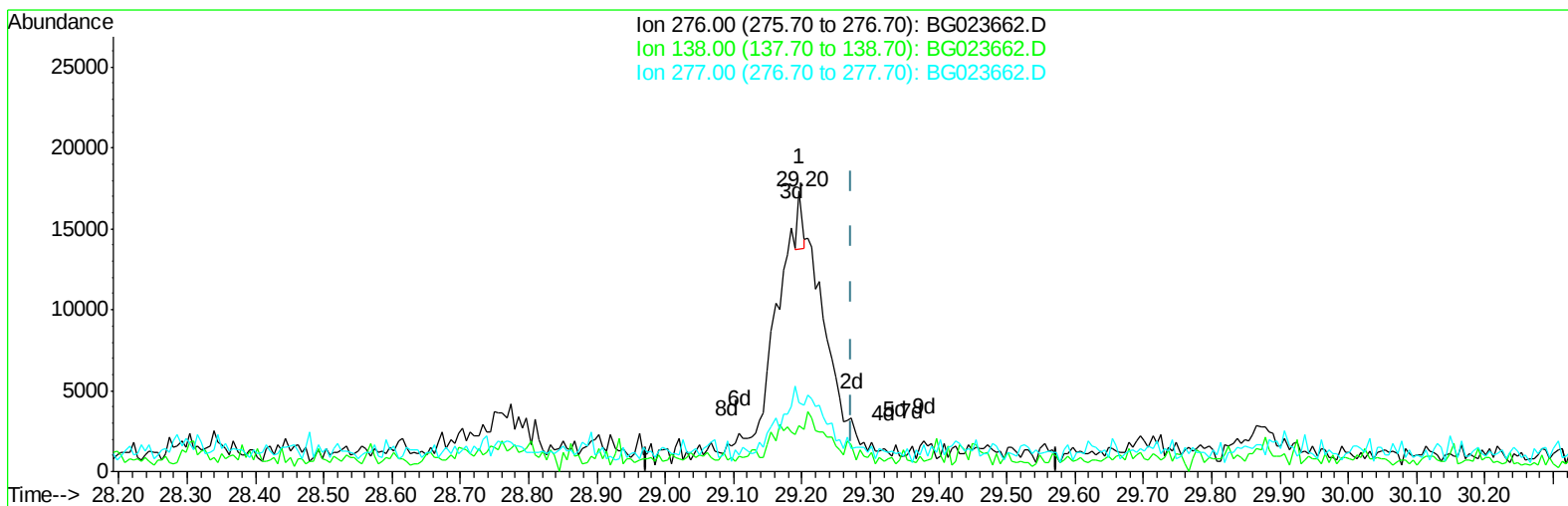
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Quant Time: Aug 13 04:24:09 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

Manual Integrations
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TIC: BG023662.D

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

29.196min (-0.076) 0.02ng/ul

response 1466

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	16.22#
277.00	22.00	24.45
0.00	0.00	0.00

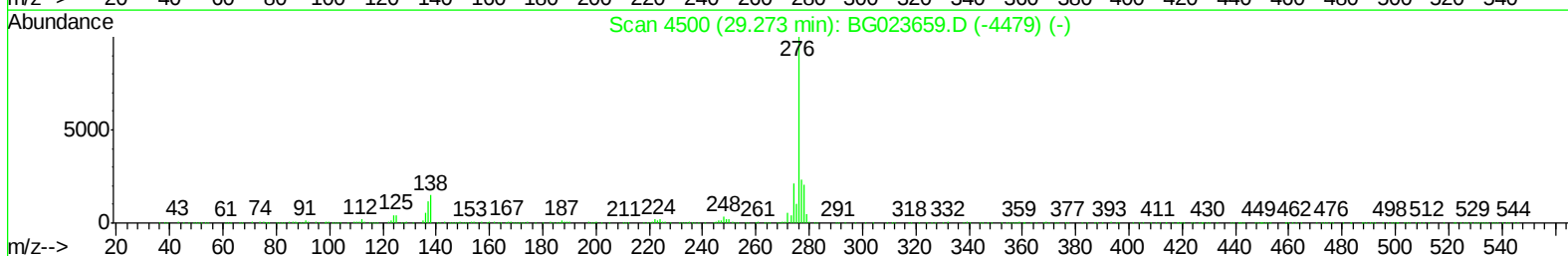
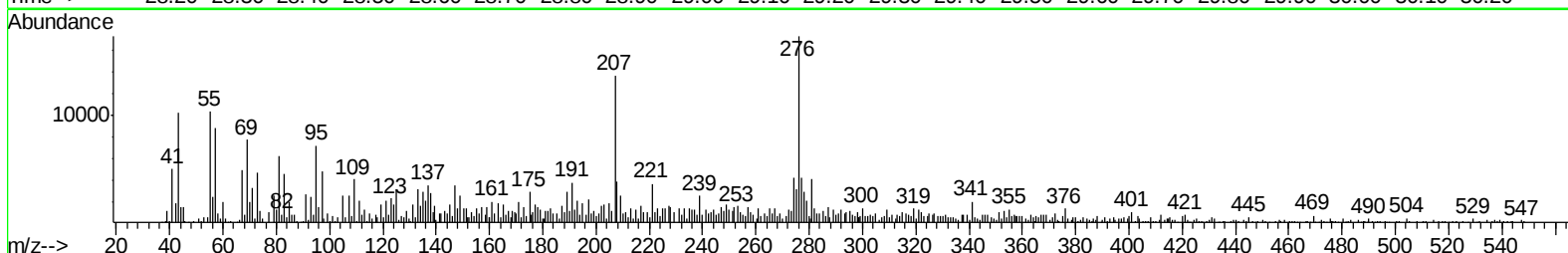
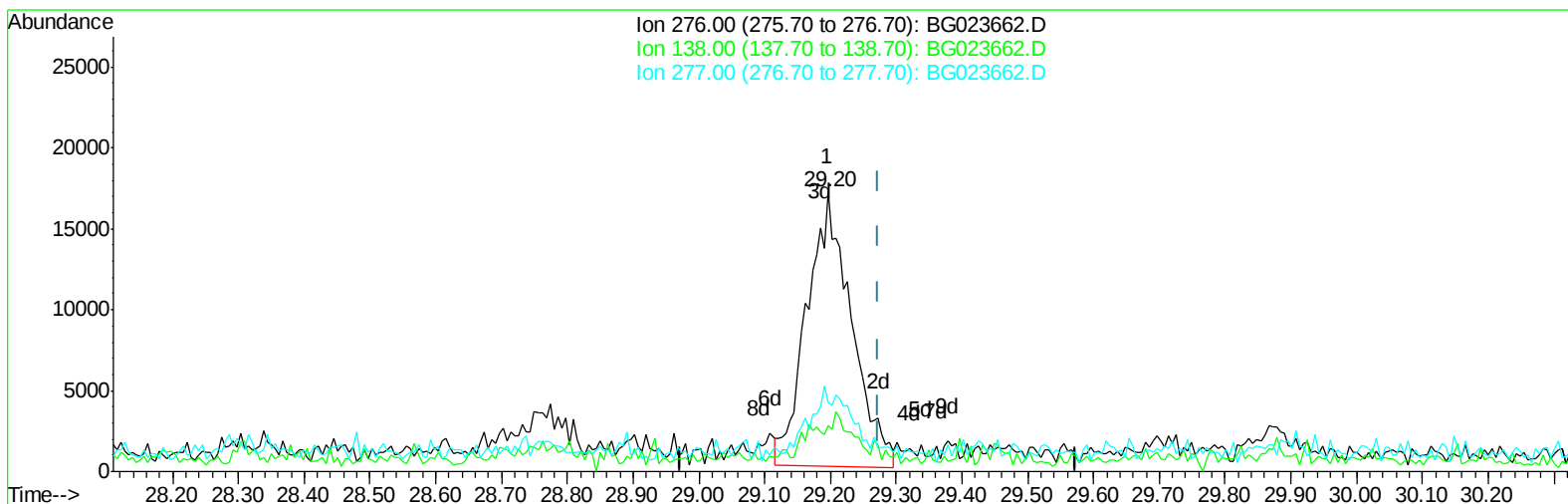
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
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Quant Time: Aug 13 04:24:09 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: BG023662.D

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

29.196min (-0.076) 1.17ng/ul m

response 80372

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	16.22#
277.00	22.00	24.45
0.00	0.00	0.00

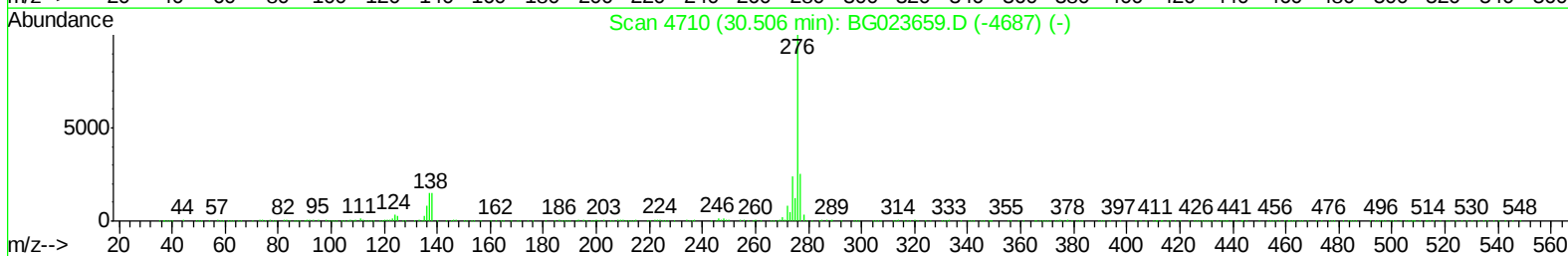
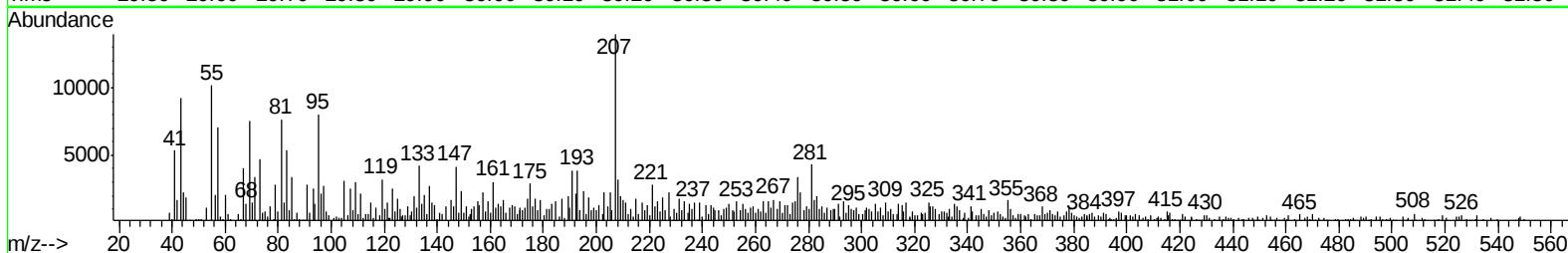
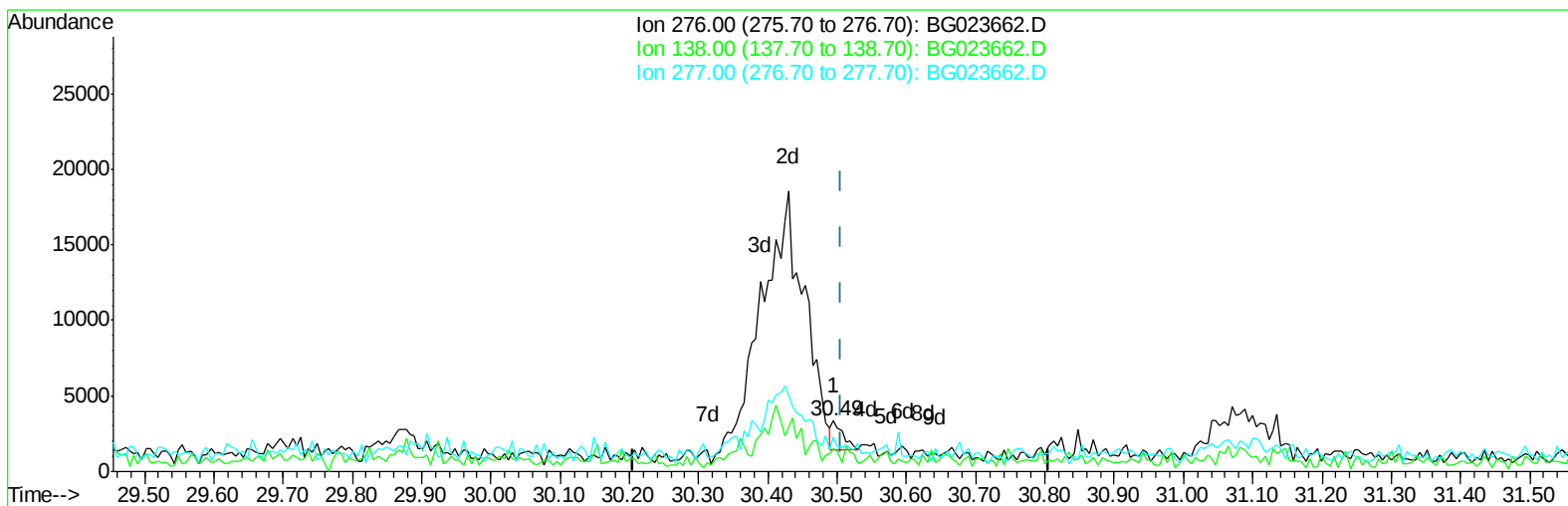
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
APPROVED

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Quant Time: Aug 13 04:24:09 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: BG023662.D

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

30.495min (-0.012) 0.04ng/ul

response 2148

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	45.34#
277.00	21.20	67.51#
0.00	0.00	0.00

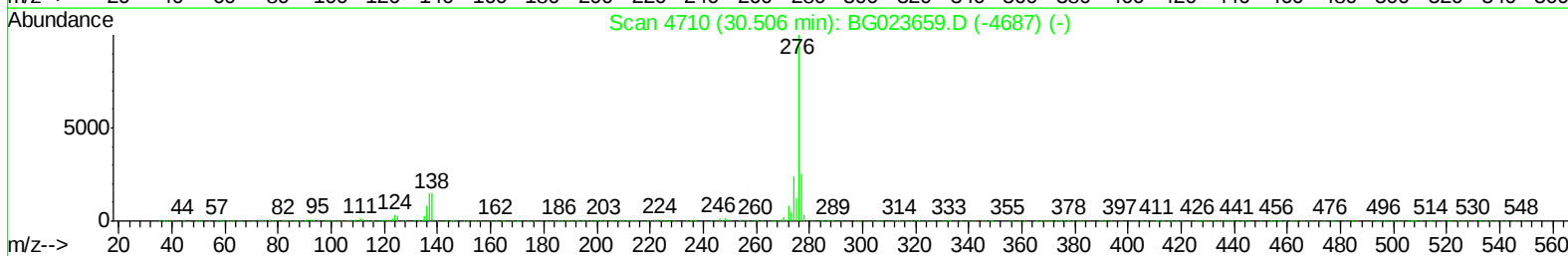
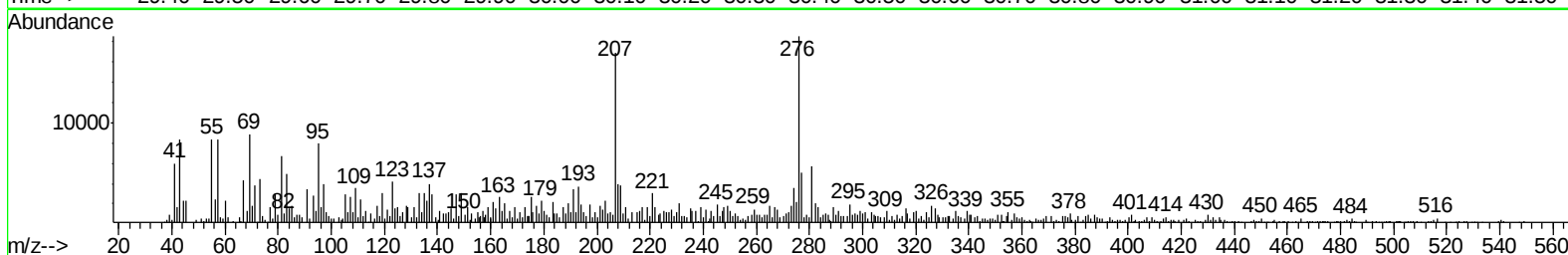
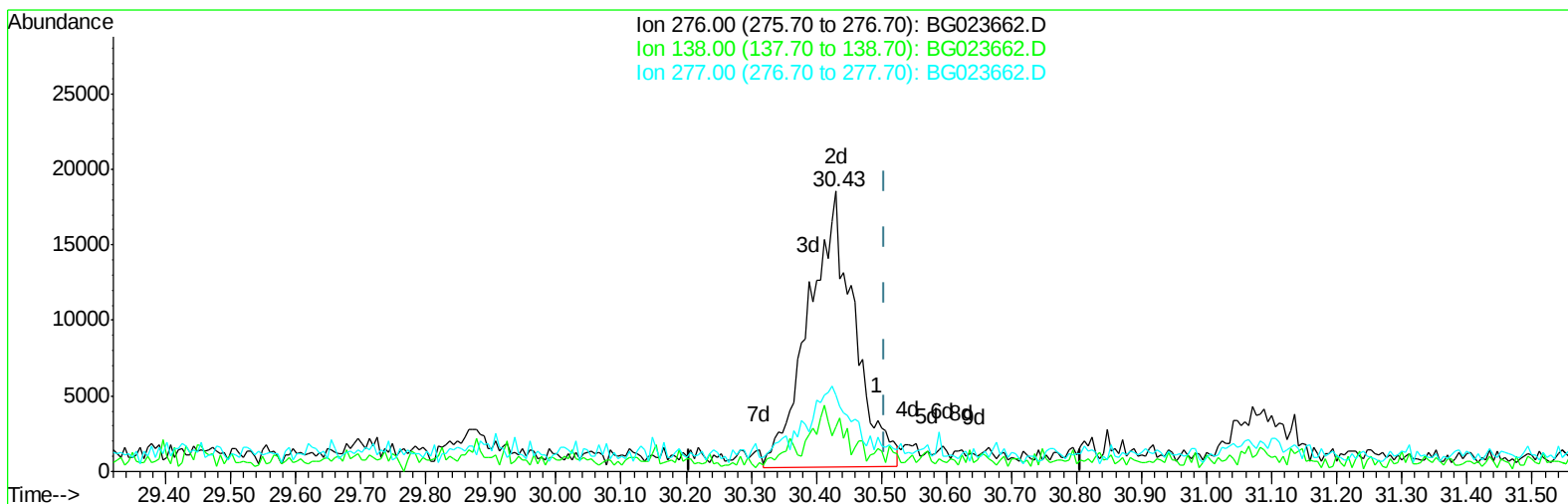
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
Data File : BG023662.D
Acq On : 12 Aug 2016 19:03
Operator : UM/SJ
Sample : H4385-12
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS003-3642-01

Manual Integrations
APPROVED

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Quant Time: Aug 13 04:24:09 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: BG023662.D

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

30.430min (-0.076) 1.56ng/ul m

response 88609

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	16.01#
277.00	21.20	27.46#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081216\
 Data File : BG023662.D
 Acq On : 12 Aug 2016 19:03
 Operator : UM/SJ
 Sample : H4385-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS003-3642-01

Manual Integrations
 APPROVED

sohil
 8/15/2016 6:49:44 PM

Quant Time: Aug 13 04:26:05 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	124330	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	589282	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	438217	20.00	ng/ul	-0.01
61) Phenanthrene-d10	17.55	188	1050284	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	1025897	20.00	ng/ul	-0.02
83) Perylene-d12	25.29	264	1064080	20.00	ng/ul	-0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	9340	3.19	ng/uL	0.00
5) Phenol-d5	7.27	99	256297	20.46	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	176389	21.98	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	182488	21.36	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	192404	19.68	ng/ul	-0.02
19) Nitrobenzene-d5	9.29	128	100134	21.56	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.03	143	120285	22.55	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.58	165	214865	21.35	ng/ul	-0.01
29) 4-Chloroaniline-d4	11.09	131	249568	21.14	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	794512	22.14	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	902537	22.35	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.01	143	129190	21.09	ng/ul	-0.01
57) Fluorene-d10	15.79	176	711216	21.45	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	127696	18.95	ng/ul	-0.01
70) Anthracene-d10	17.65	188	1080162	22.83	ng/ul	-0.01
76) Pyrene-d10	19.95	212	1104865m	21.28	ng/ul	-0.01
87) Benzo(a)pyrene-d12	25.06	264	1078989	22.40	ng/ul	-0.03

Target Compounds

					Qvalue
44) Dimethylphthalate	14.23	163	374030	10.53 ng/ul	97
69) Phenanthrene	17.60	178	377897	6.95 ng/ul	99
74) Fluoranthene	19.62	202	283064m	5.08 ng/ul	
77) Pyrene	19.98	202	405632	6.40 ng/ul#	90
80) Benzo(a)anthracene	21.86	228	155350m	2.69 ng/ul	
82) Chrysene	21.93	228	178109	3.39 ng/ul	94
85) Benzo(b)fluoranthene	24.20	252	103242	1.71 ng/ul	95
86) Benzo(k)fluoranthene	24.23	252	87798m	1.47 ng/ul	
88) Benzo(a)pyrene	25.13	252	130400m	2.23 ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	80372m	1.17 ng/ul	
91) Benzo(g,h,i)perylene	30.43	276	88609m	1.56 ng/ul	

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

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