

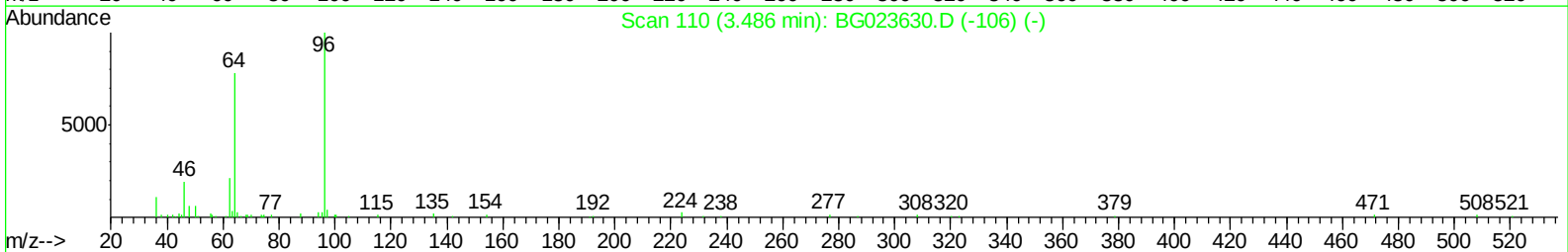
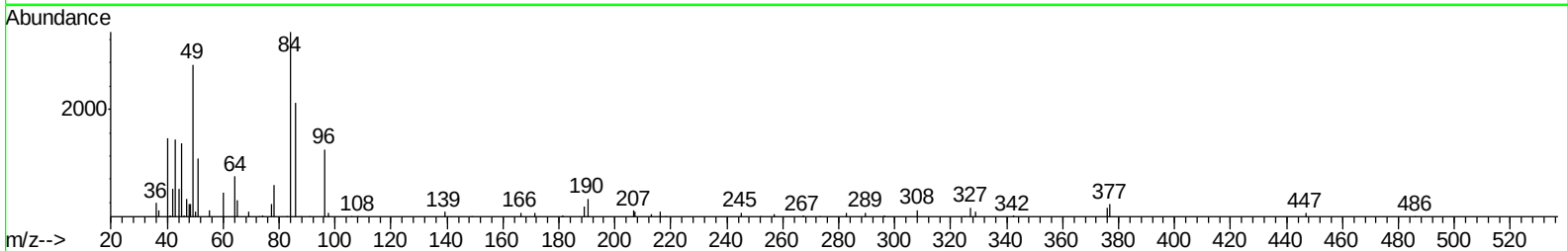
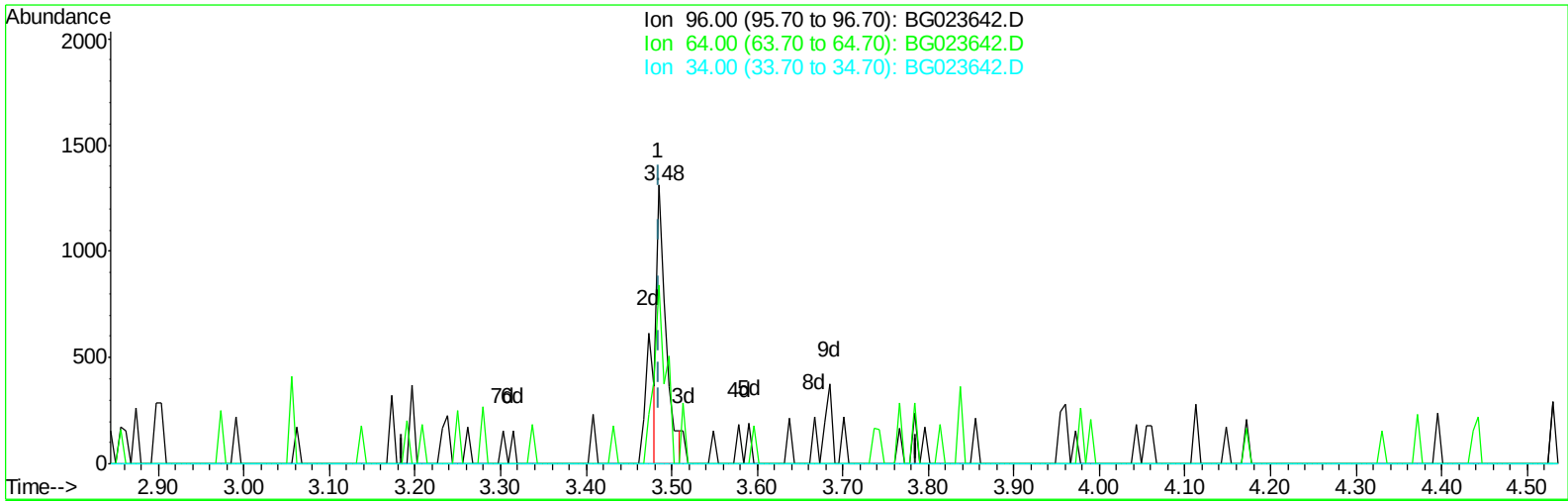
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
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sohil
8/12/2016 5:56:32 PM

Quant Time: Aug 12 04:38:02 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: BG023642.D

(3) 1,4-Dioxane-d8 (S)

3.484min (-0.001) 0.22ng/uL

response 973

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	64.02
34.00	0.00	0.00
0.00	0.00	0.00

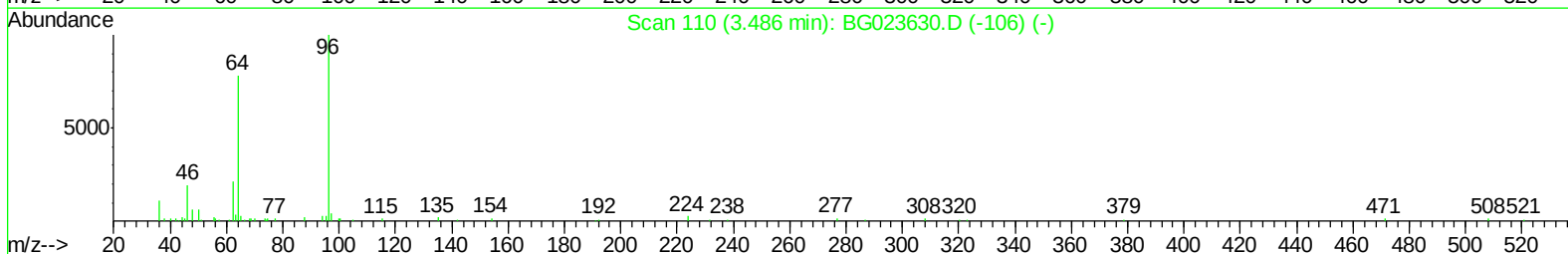
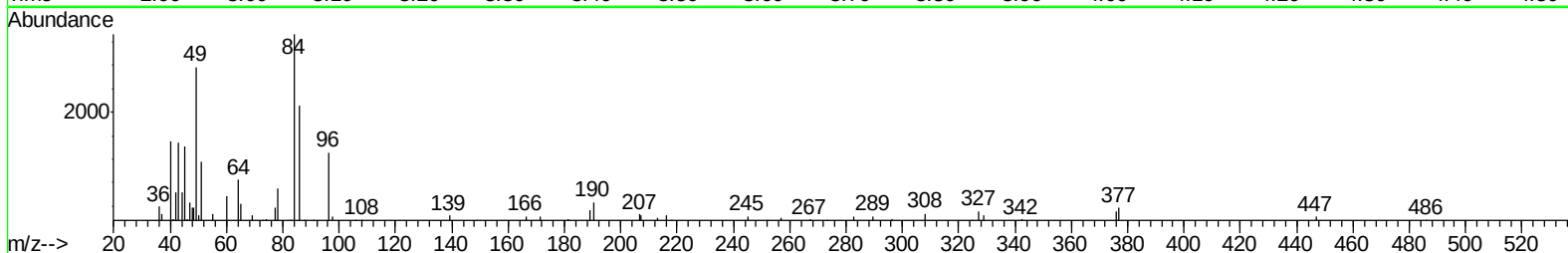
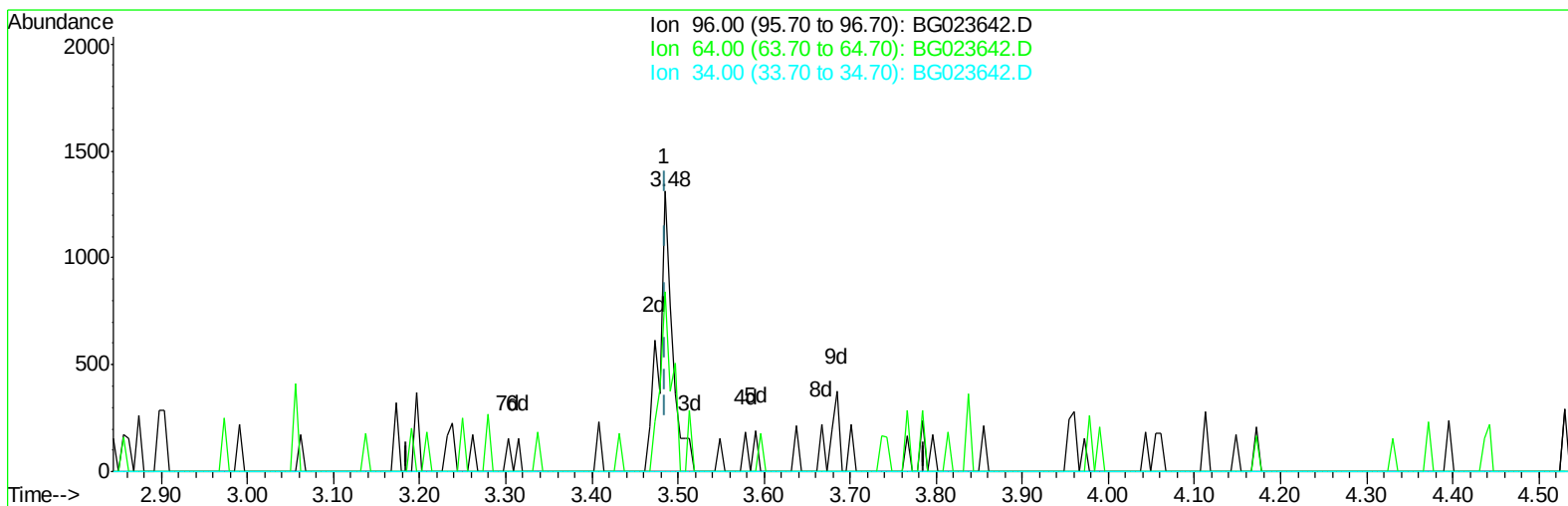
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:32 PM

Quant Time: Aug 12 04:38:02 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: BG023642.D

(3) 1,4-Dioxane-d8 (S)

3.484min (-0.001) 0.33ng/uL m

response 1446

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	64.02
34.00	0.00	0.00
0.00	0.00	0.00

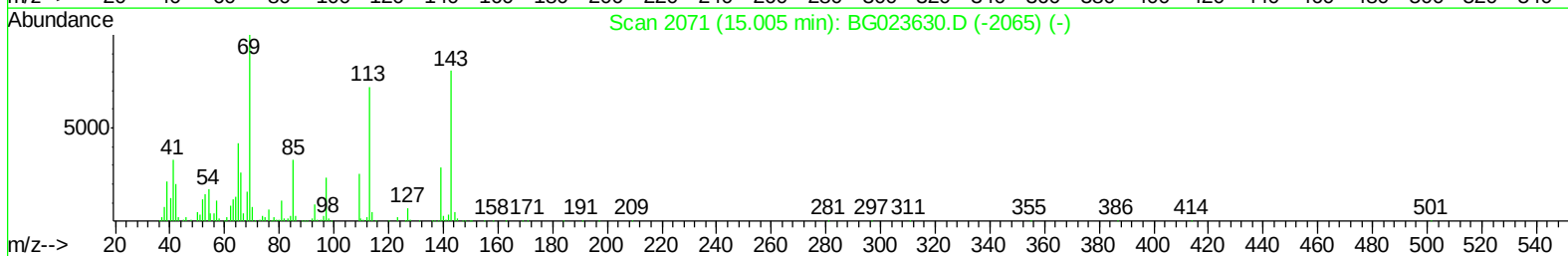
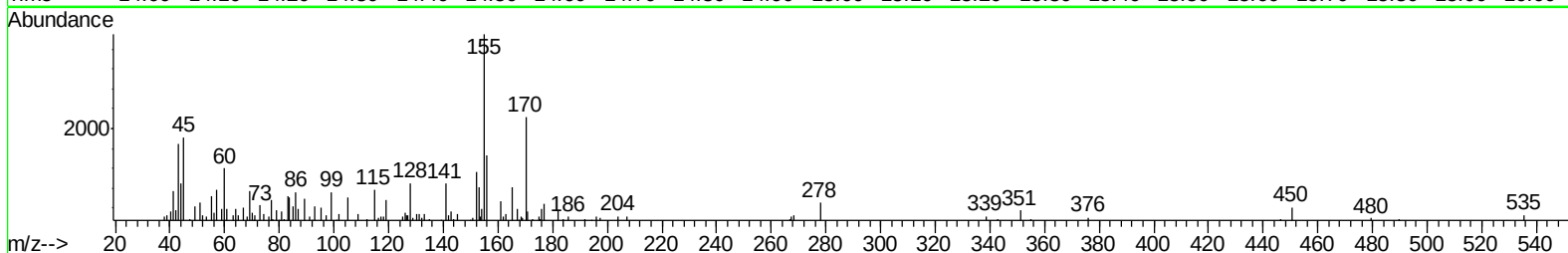
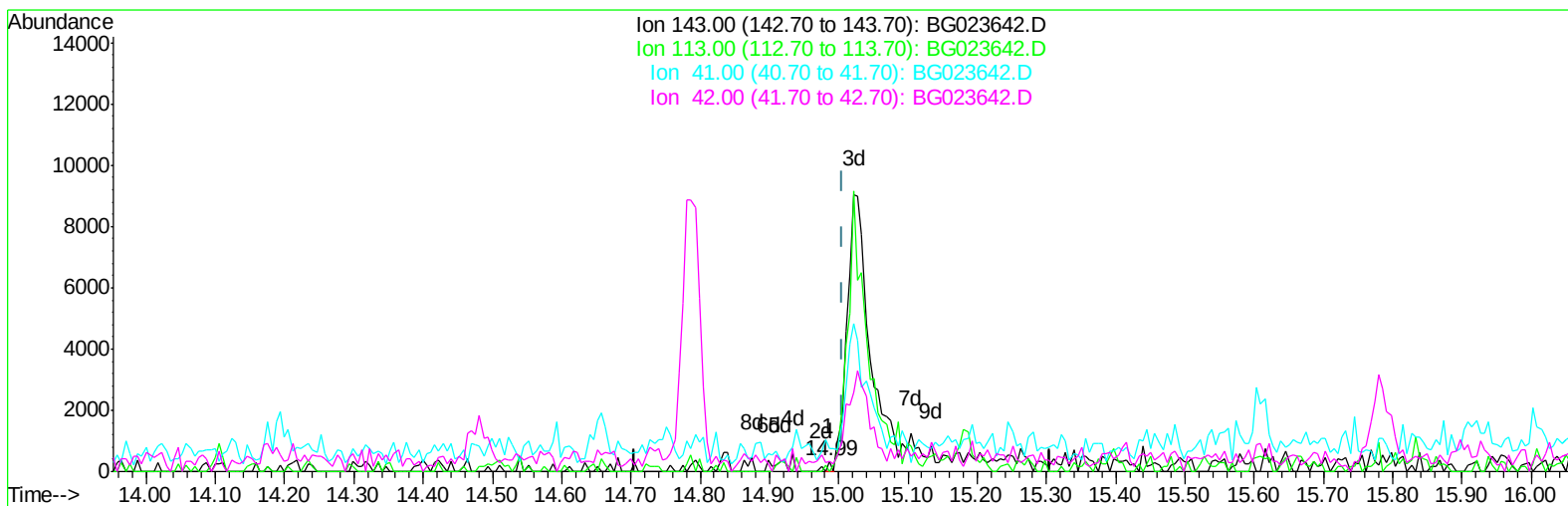
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023642.D
 Acq On : 12 Aug 2016 3:51
 Operator : UM/SJ
 Sample : H4360-06 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS002-0612-01

Manual Integrations
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Quant Time: Aug 12 04:38:02 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: BG023642.D

(51) 4-Nitrophenol-d4 (S)
 14.987min (-0.019) 0.02ng/ul

response 119

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	0.00#
41.00	26.90	218.93#
42.00	16.10	103.25#

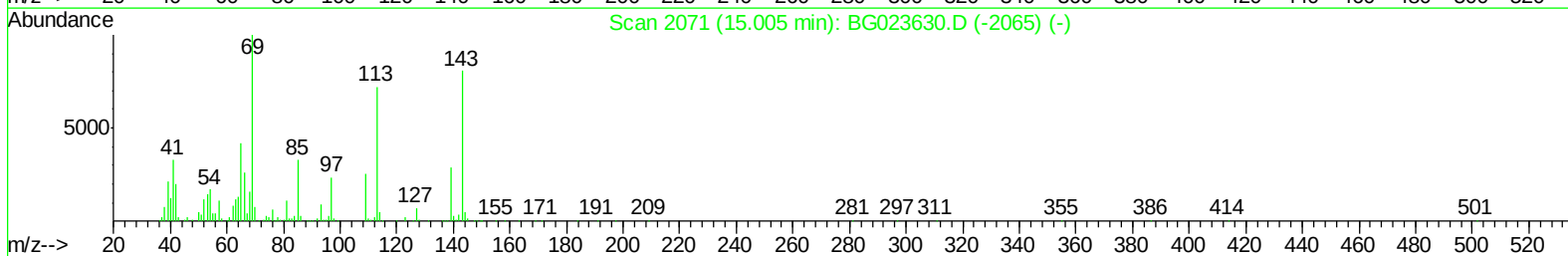
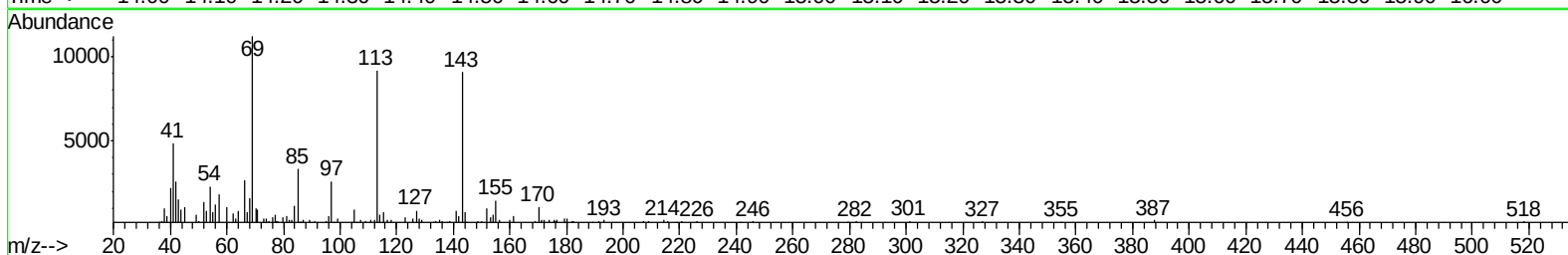
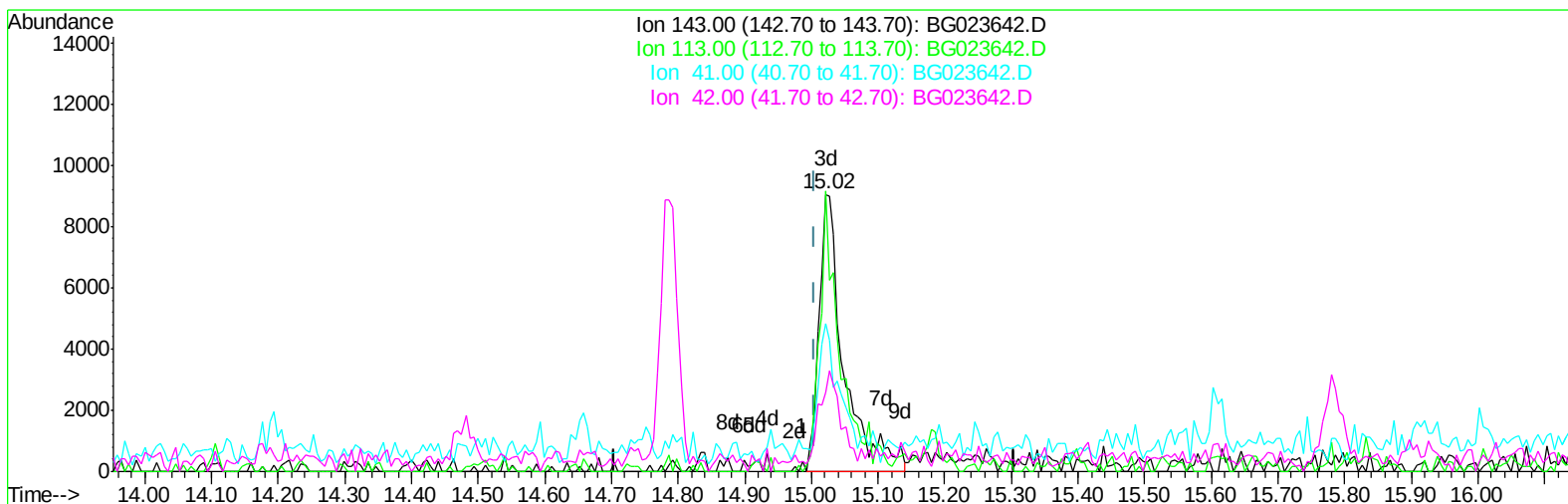
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
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Quant Time: Aug 12 04:38:02 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: BG023642.D

(51) 4-Nitrophenol-d4 (S)

15.022min (+0.016) 3.03ng/ul m

response 23567

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	101.19#
41.00	26.90	53.57#
42.00	16.10	28.56#

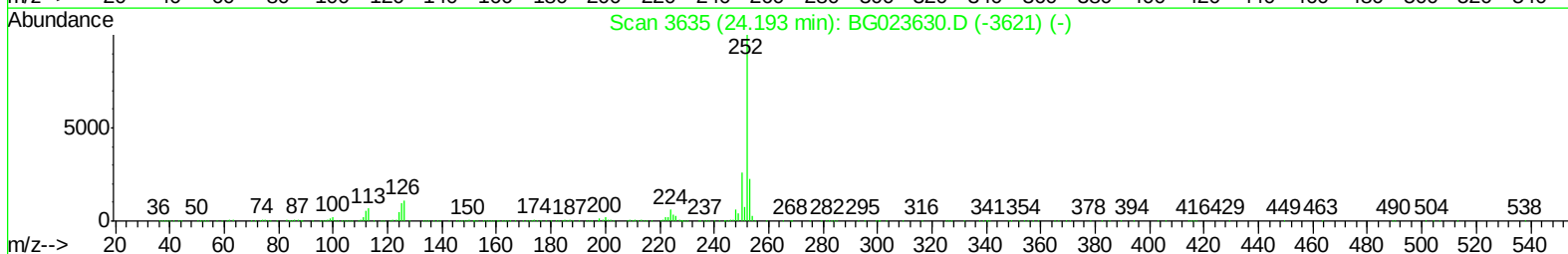
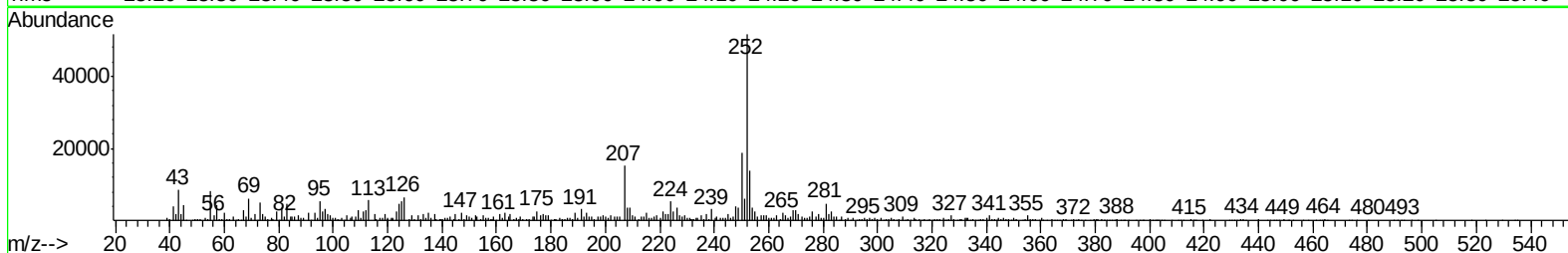
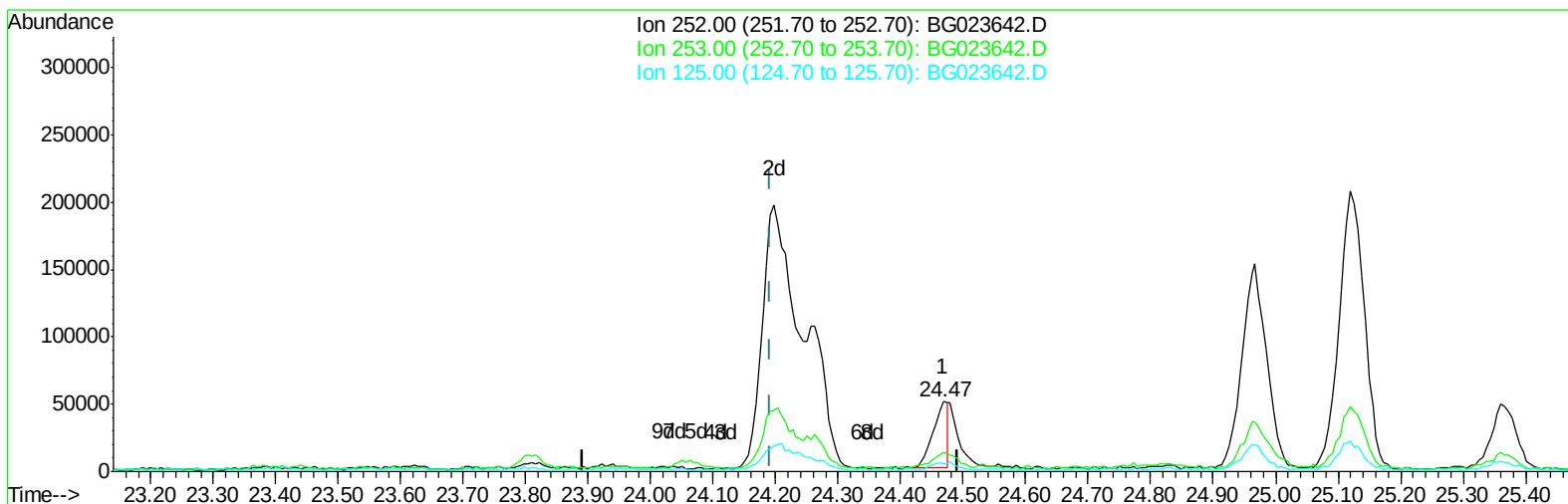
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
APPROVED

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Quant Time: Aug 12 04:38:02 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: BG023642.D

(85) Benzo(b)fluoranthene

24.468min (+0.275) 1.12ng/ul

response 79238

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	26.68
125.00	13.50	10.81
0.00	0.00	0.00

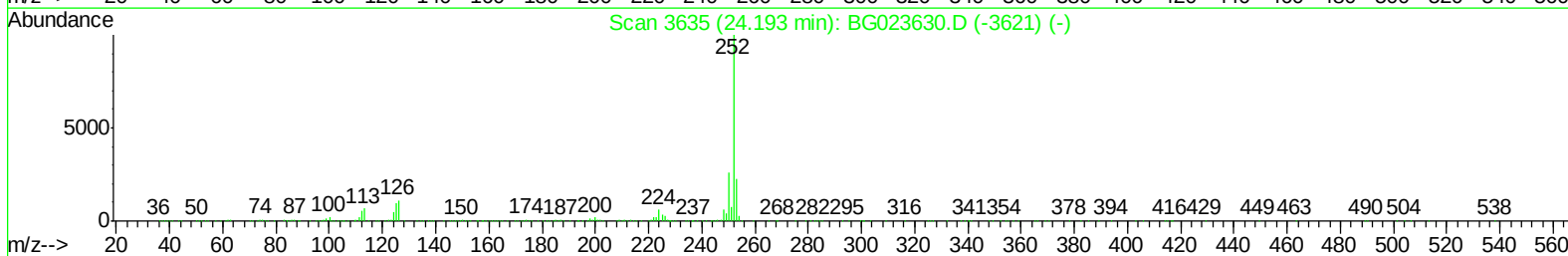
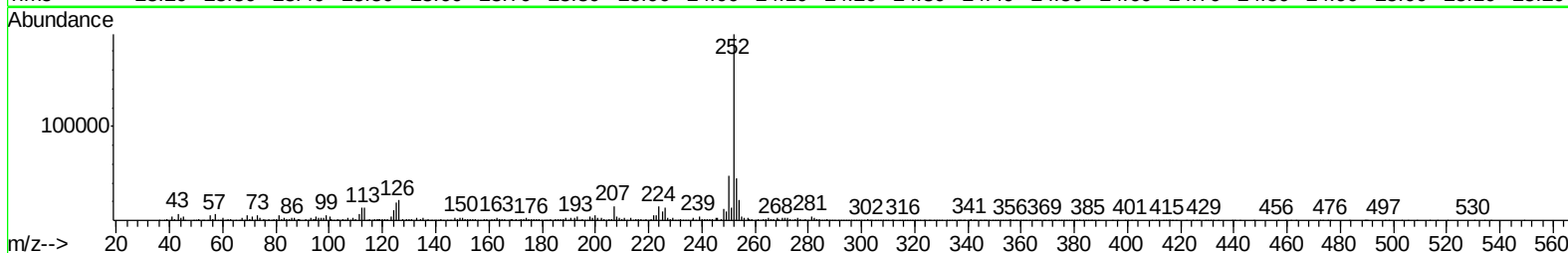
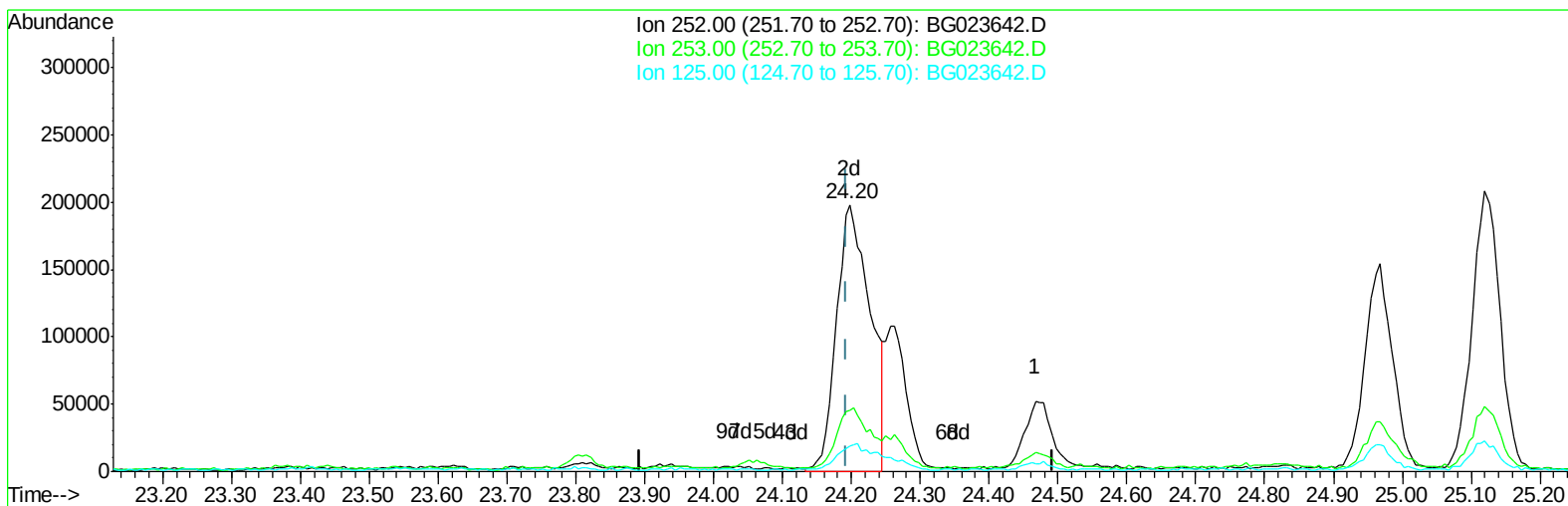
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
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Quant Time: Aug 12 04:38:02 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: BG023642.D

(85) Benzo(b)fluoranthene

24.198min (+0.005) 9.61ng/ul m

response 677769

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.89
125.00	13.50	9.53#
0.00	0.00	0.00

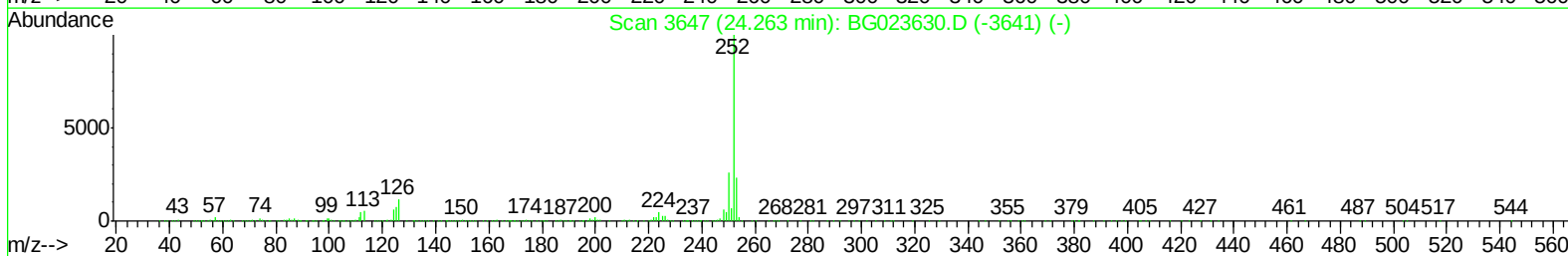
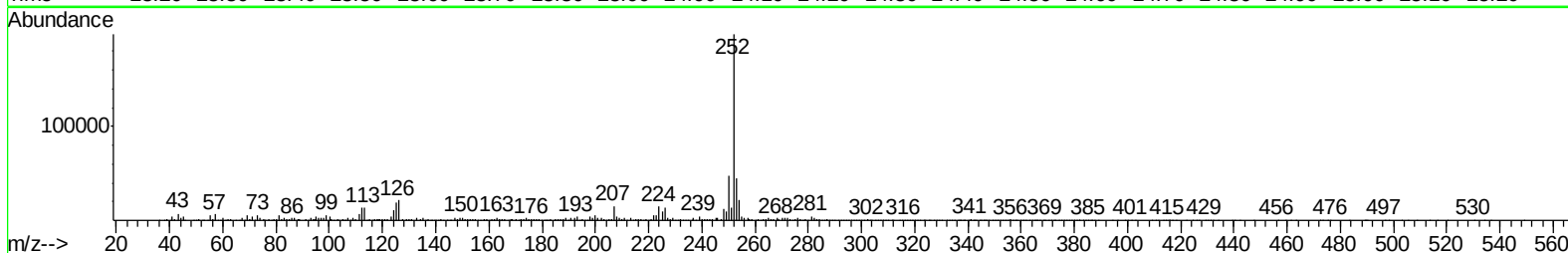
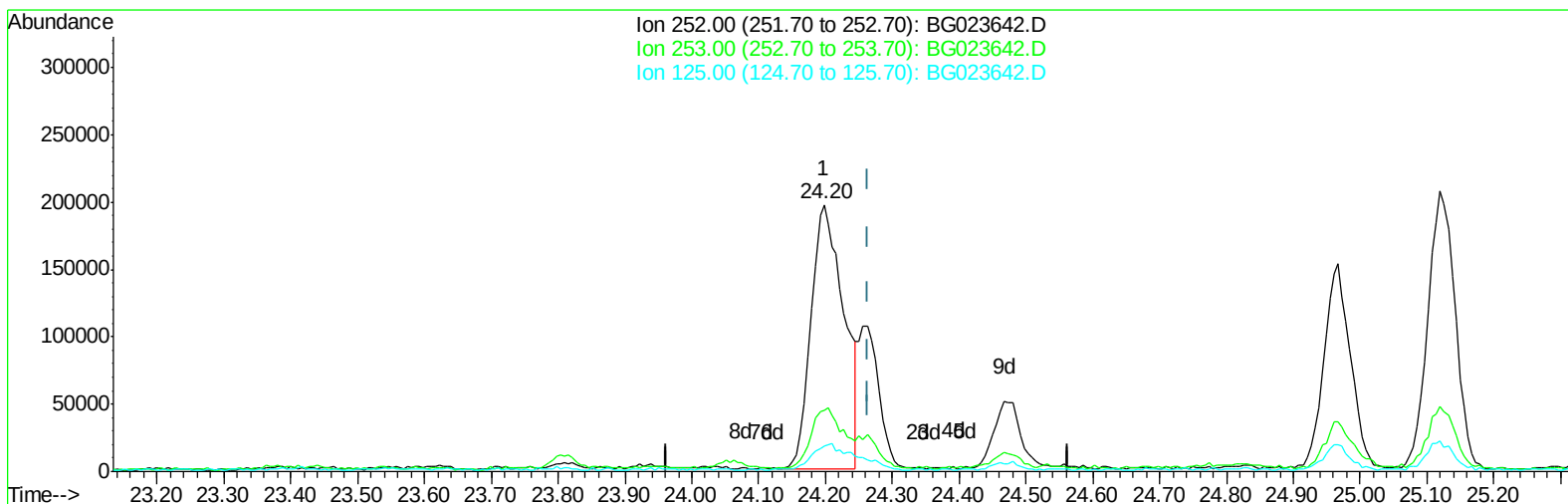
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
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Quant Time: Aug 12 04:38:02 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: BG023642.D

(86) Benzo(k)fluoranthene
24.198min (-0.066) 9.54ng/ul
response 662640

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	22.89
125.00	13.30	9.53#
0.00	0.00	0.00

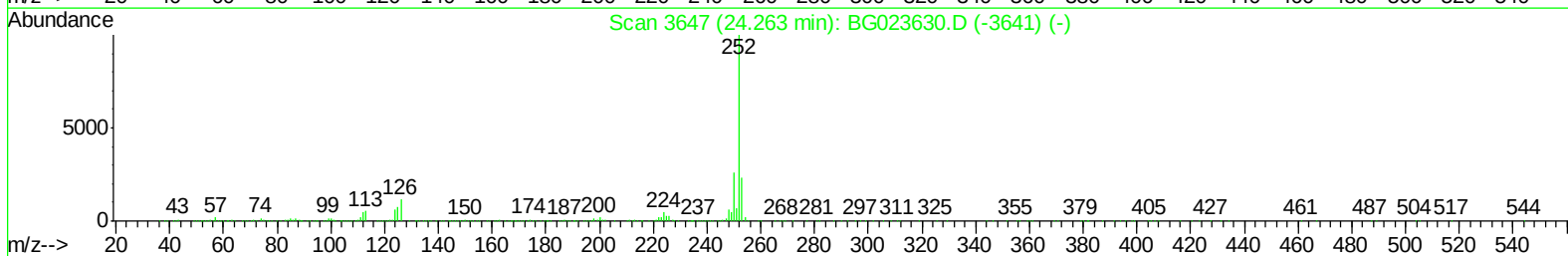
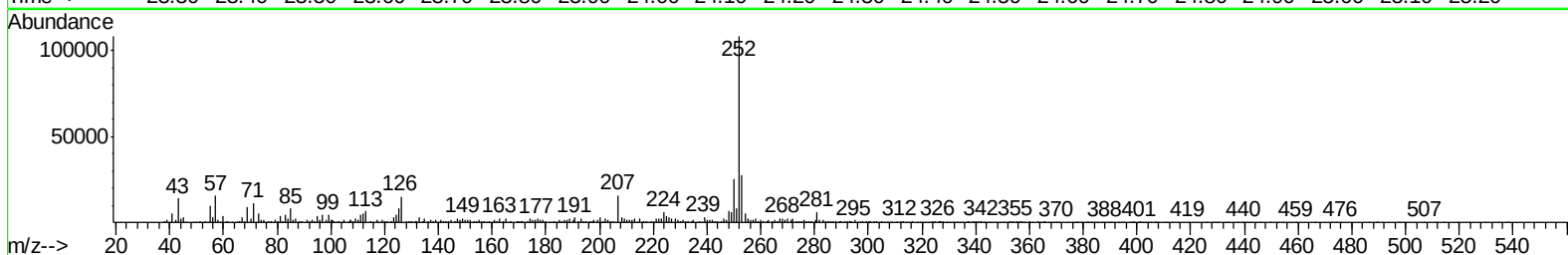
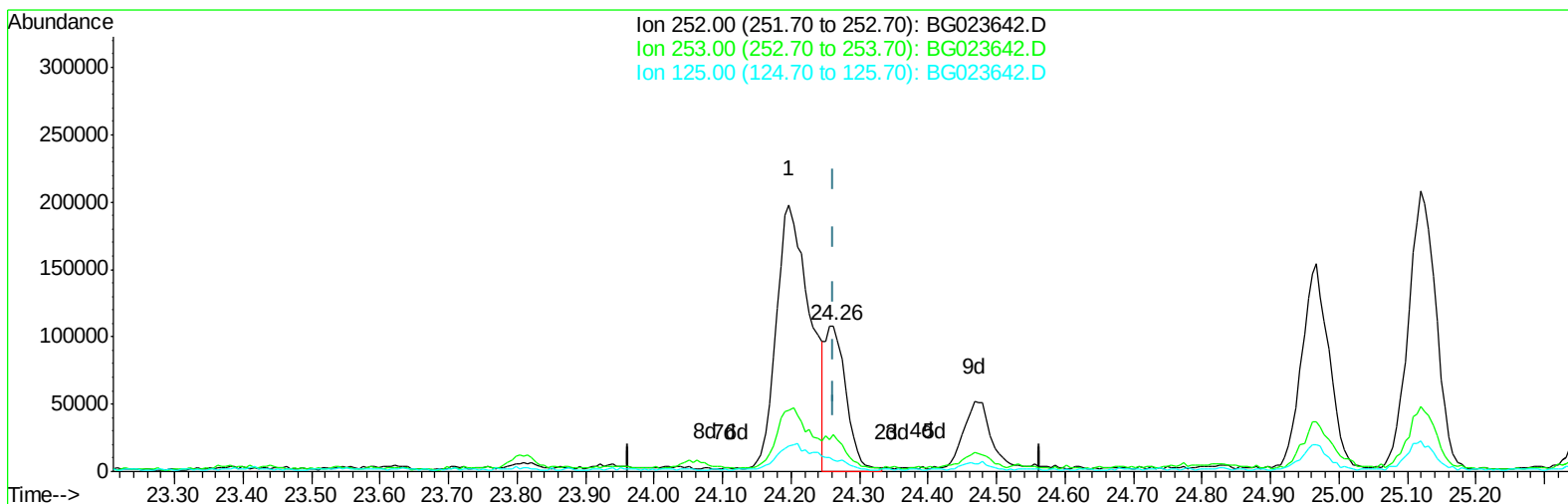
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Quant Time: Aug 12 04:38:02 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

Manual Integrations
APPROVED

sohil
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TIC: BG023642.D

(86) Benzo(k)fluoranthene

24.262min (-0.001) 3.33ng/ul m

response 231190

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	25.69#
125.00	13.30	7.87#
0.00	0.00	0.00

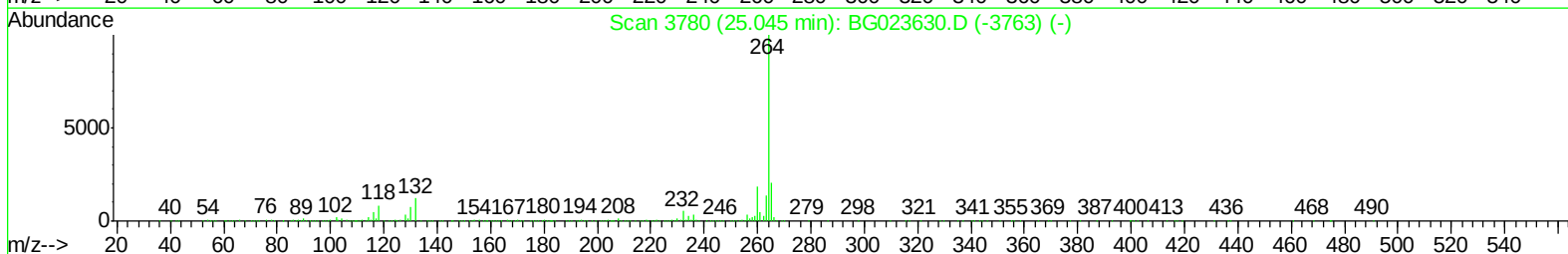
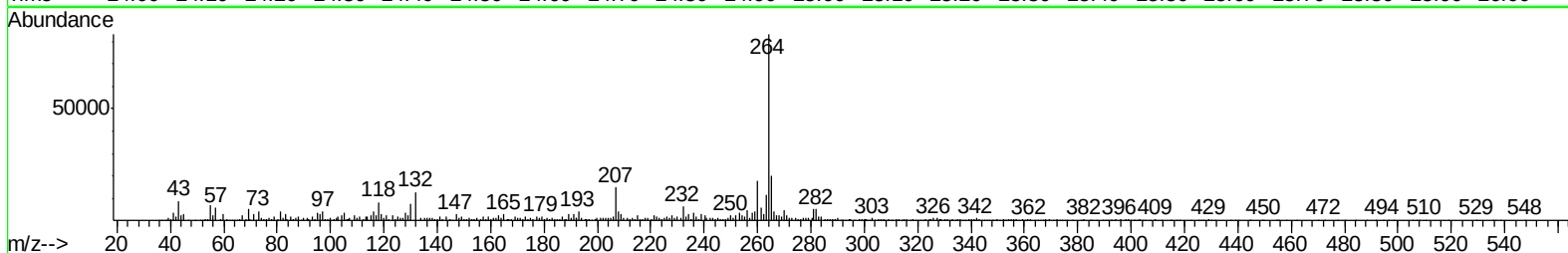
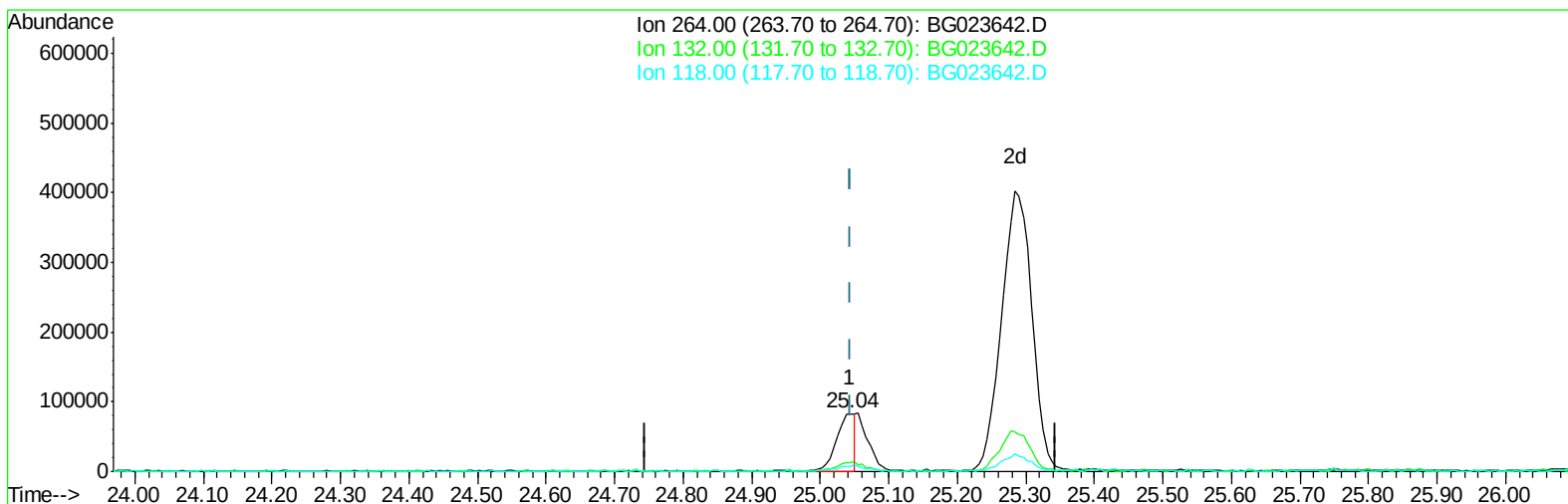
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Quant Time: Aug 12 04:38:02 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

Manual Integrations
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TIC: BG023642.D

(87) Benzo(a)pyrene-d12 (S)

25.044min (-0.001) 2.74ng/ul

response 153909

Ion	Exp%	Act%
264.00	100	100
132.00	20.60	15.44#
118.00	11.60	9.96
0.00	0.00	0.00

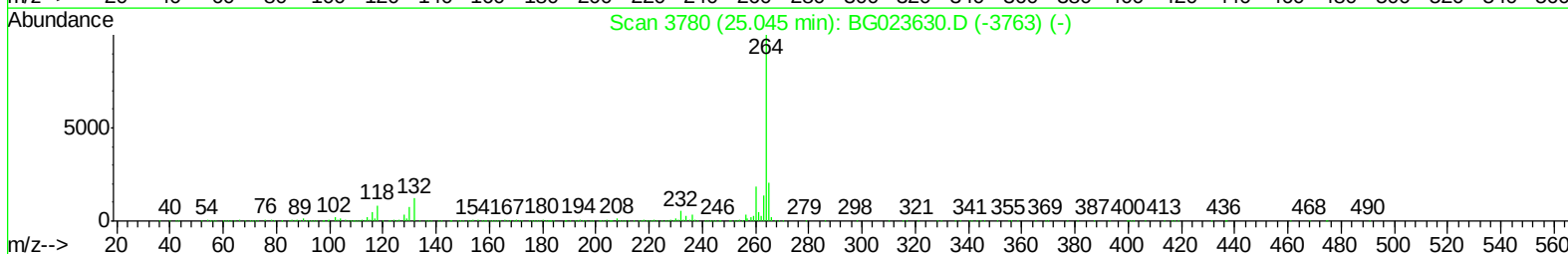
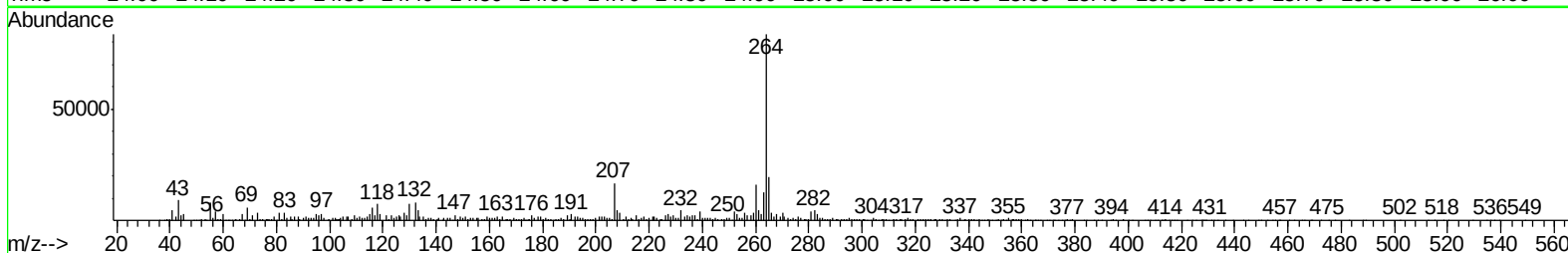
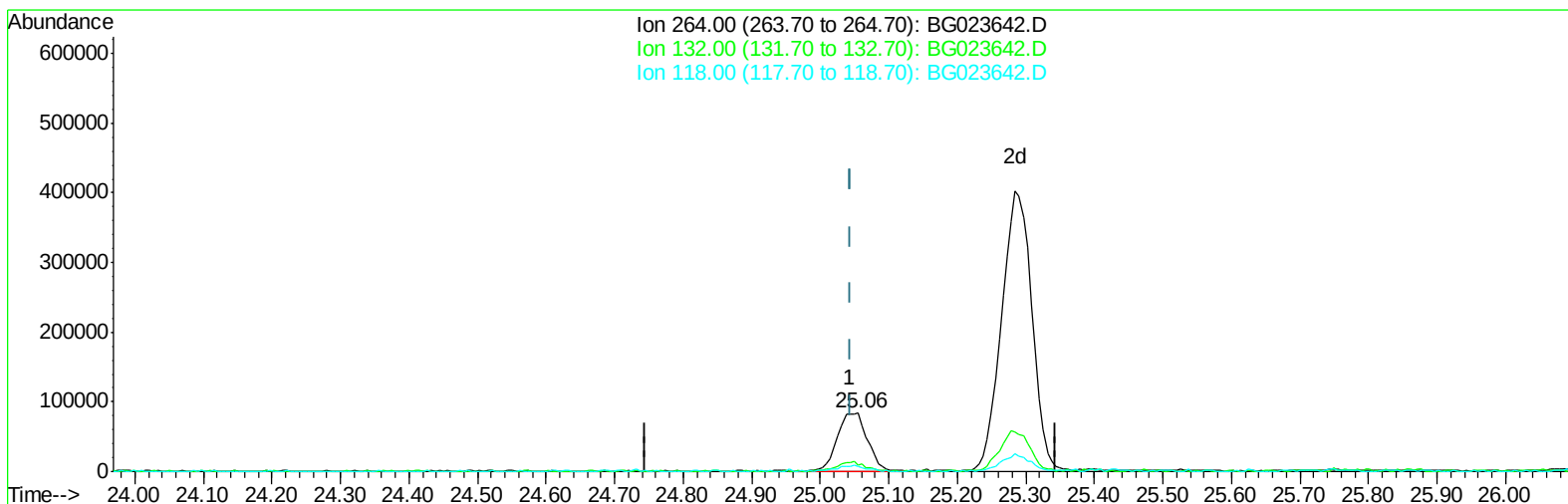
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
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8/12/2016 5:56:32 PM

Quant Time: Aug 12 04:38:02 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: BG023642.D

(87) Benzo(a)pyrene-d12 (S)

25.055min (+0.011) 4.59ng/ul m

response 257875

Ion	Exp%	Act%
264.00	100	100
132.00	20.60	9.98#
118.00	11.60	9.06#
0.00	0.00	0.00

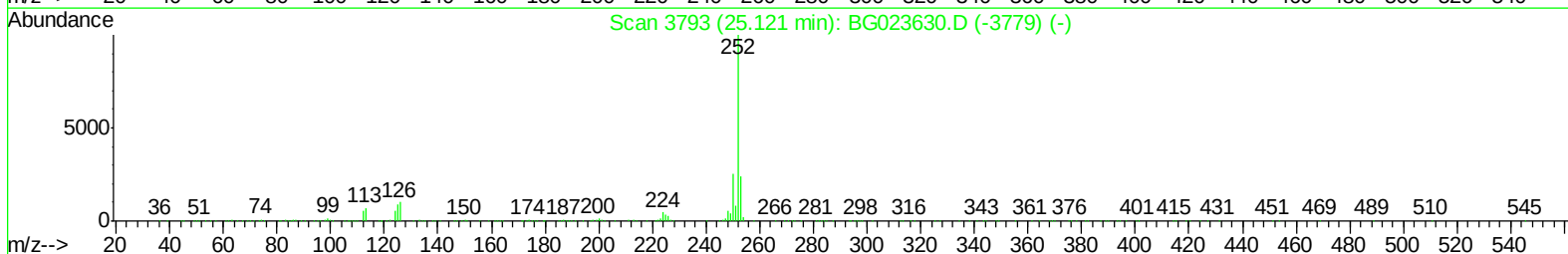
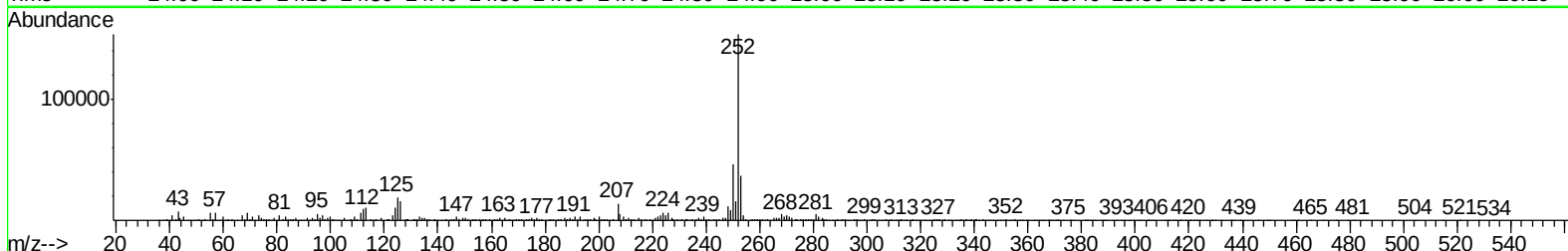
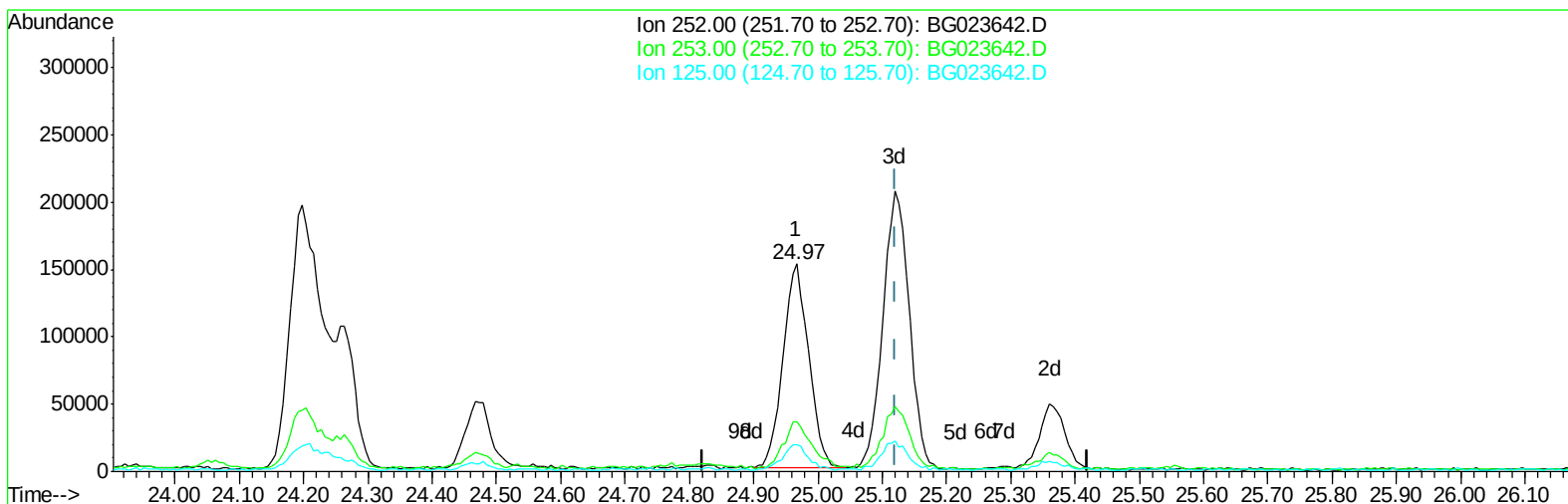
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023642.D
 Acq On : 12 Aug 2016 3:51
 Operator : UM/SJ
 Sample : H4360-06 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS002-0612-01

Manual Integrations
 APPROVED

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 8/12/2016 5:56:32 PM

Quant Time: Aug 12 04:38:02 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: BG023642.D

(88) Benzo(a)pyrene (C)

24.967min (-0.154) 6.09ng/ul

response 414997

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	24.29
125.00	15.00	12.69
0.00	0.00	0.00

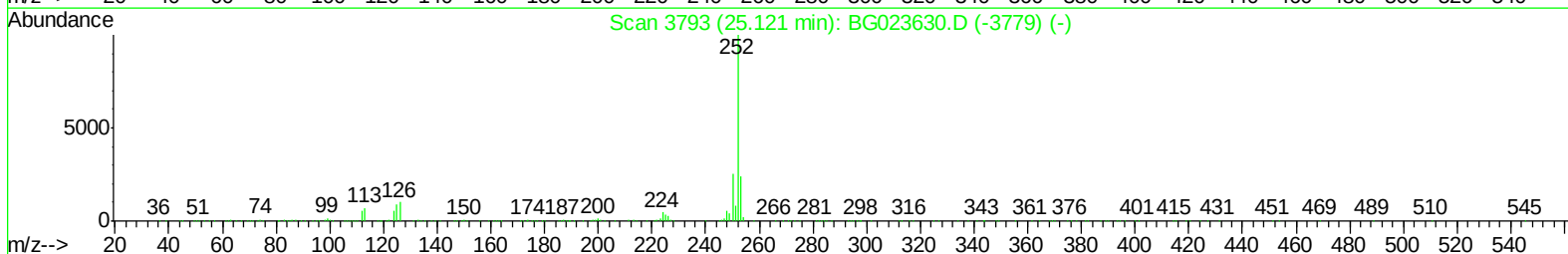
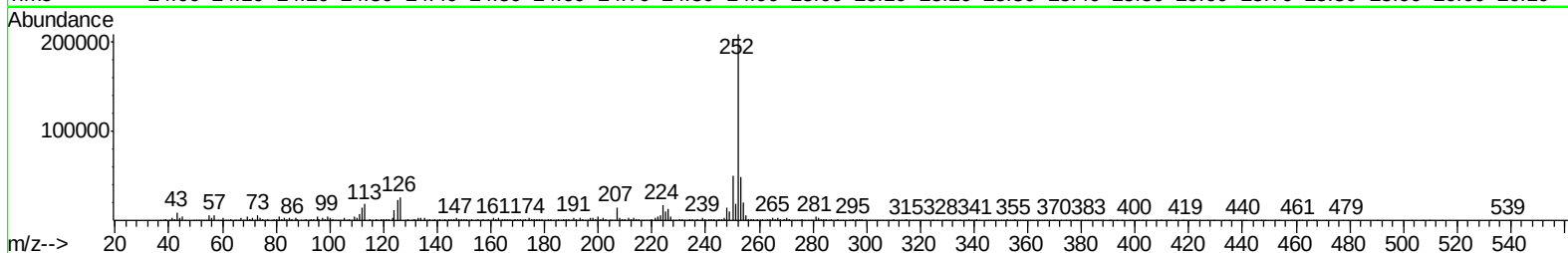
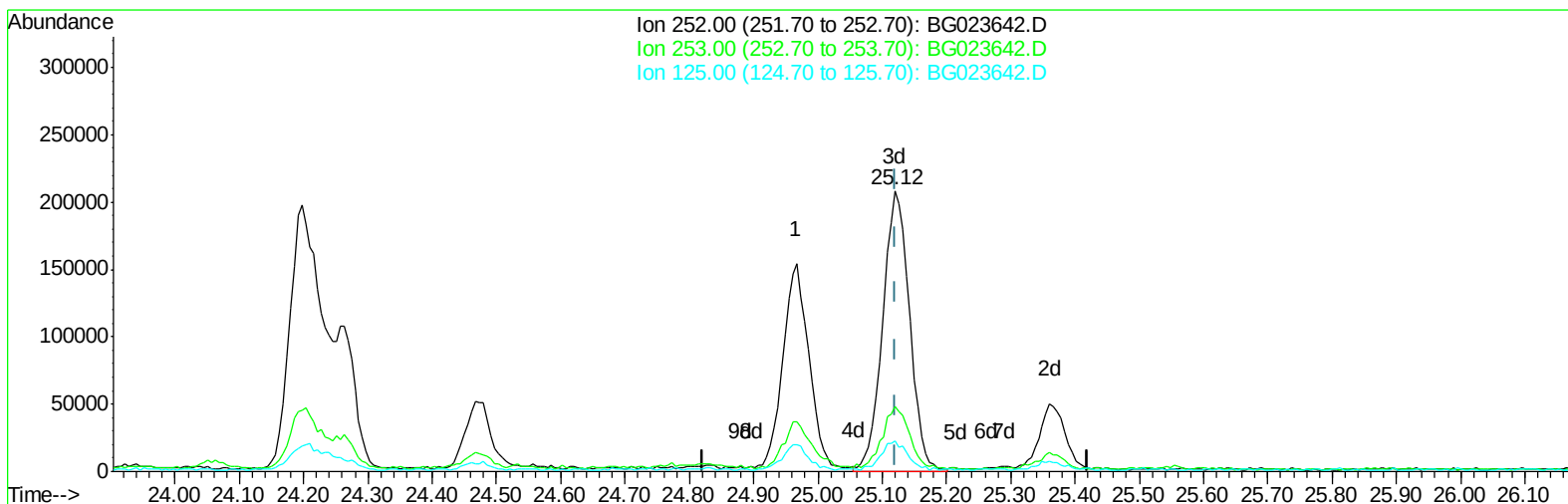
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Quant Time: Aug 12 04:38:02 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

Manual Integrations
APPROVED

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TIC: BG023642.D

(88) Benzo(a)pyrene (C)

25.120min (-0.001) 8.79ng/ul m

response 598496

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.41
125.00	15.00	11.07#
0.00	0.00	0.00

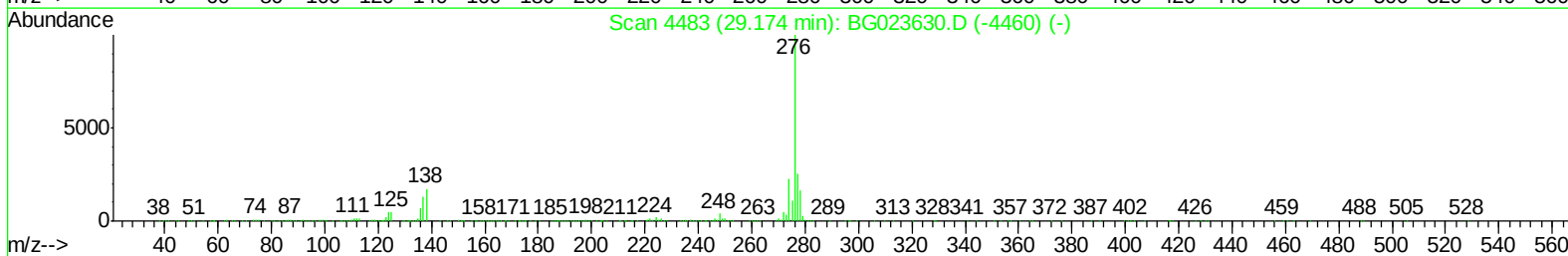
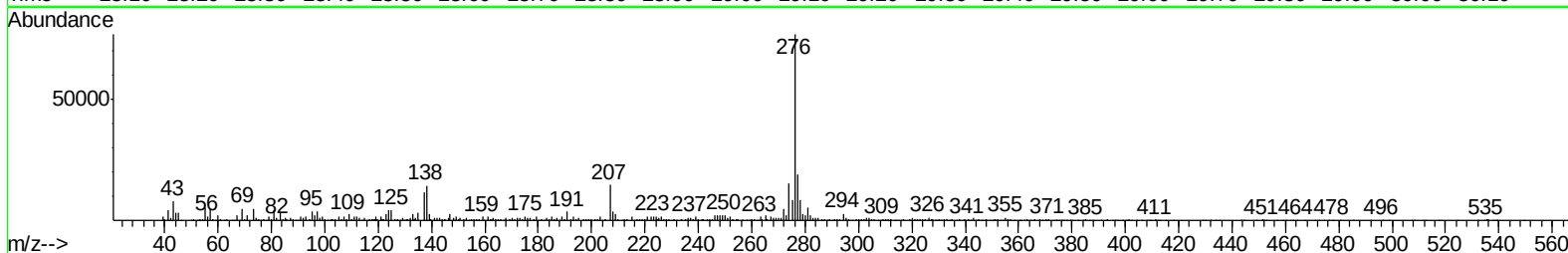
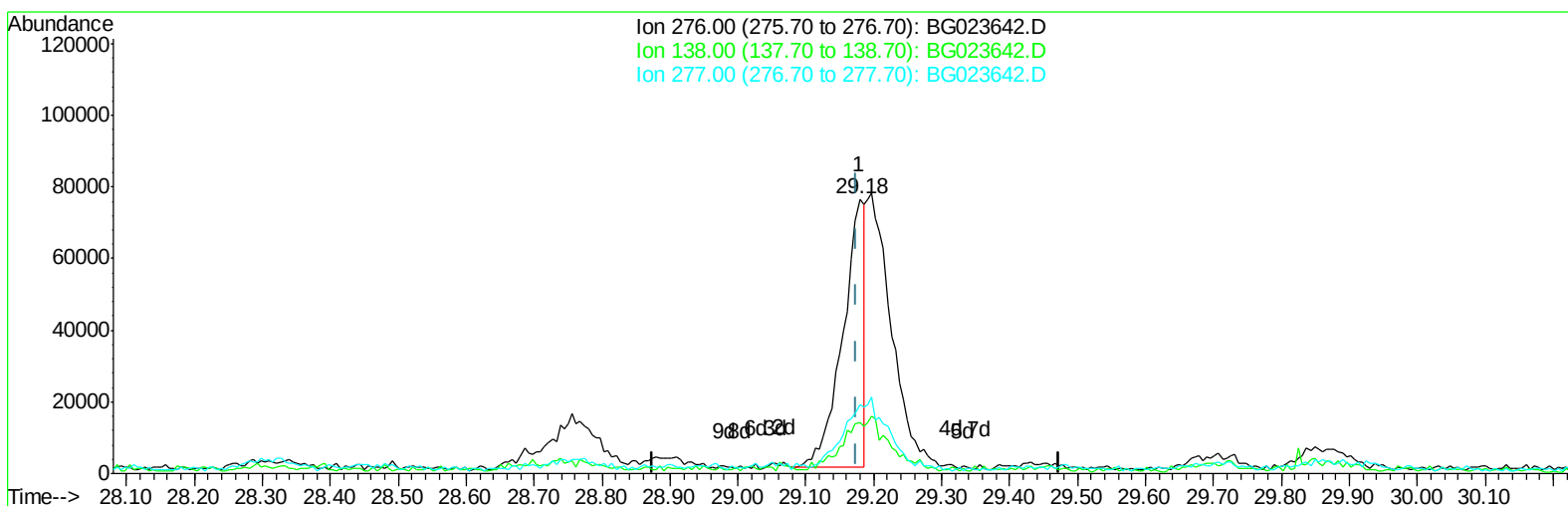
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
APPROVED

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Quant Time: Aug 12 04:38:02 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG023642.D

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

29.179min (+0.005) 2.08ng/ul

response 166245

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	18.80#
277.00	22.00	25.10
0.00	0.00	0.00

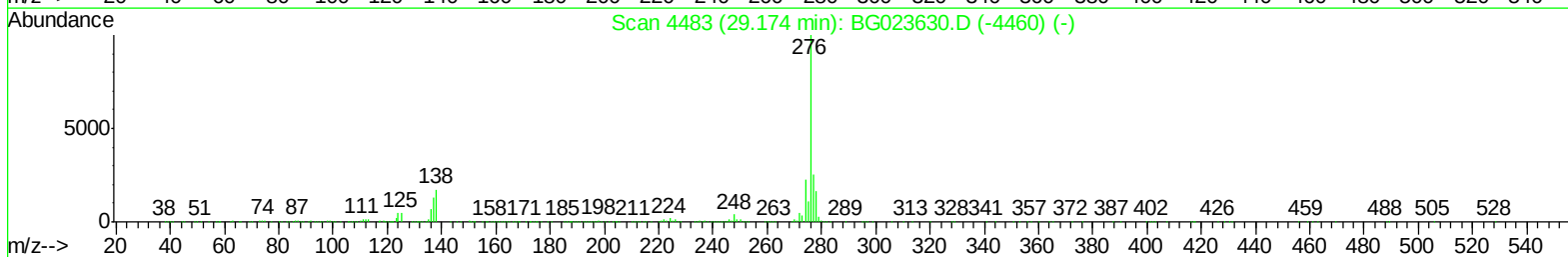
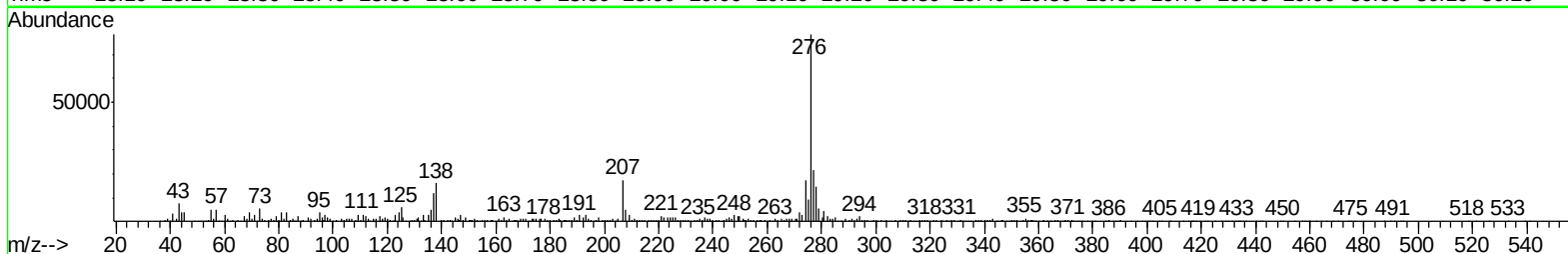
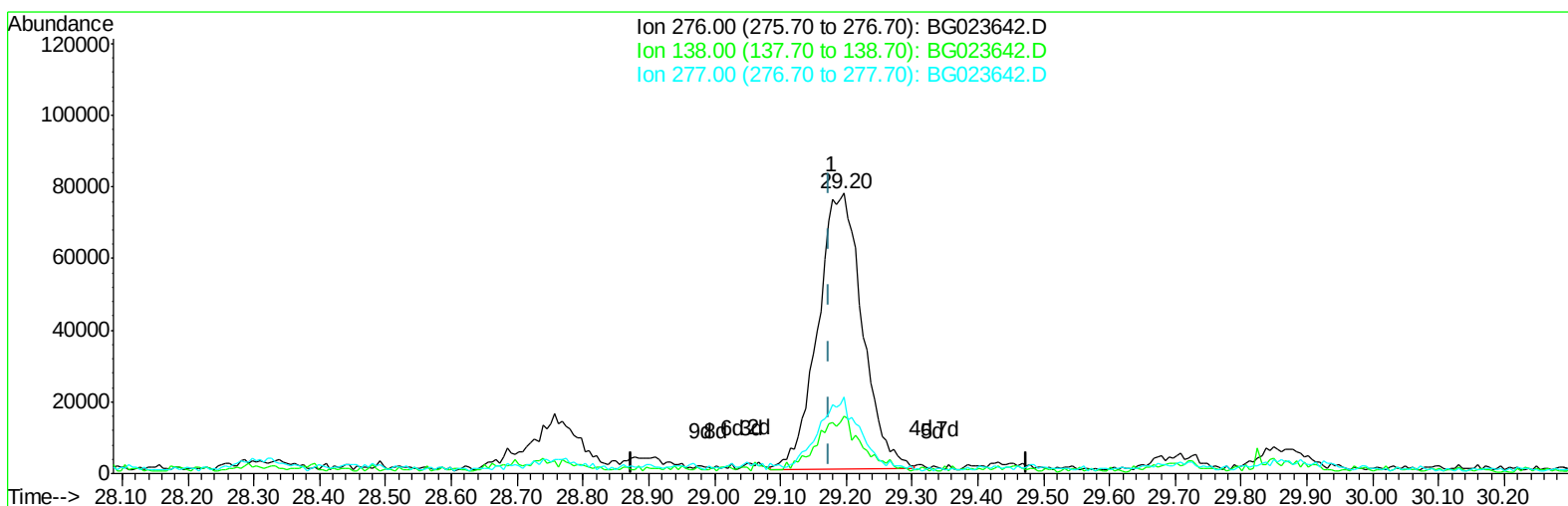
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:32 PM

Quant Time: Aug 12 04:38:02 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: BG023642.D

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

29.197min (+0.022) 4.59ng/ul m

response 367105

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	20.43#
277.00	22.00	27.38#
0.00	0.00	0.00

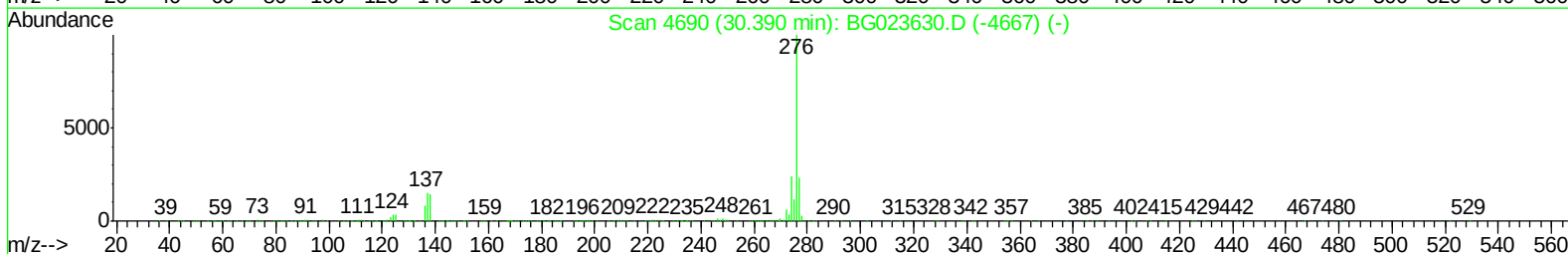
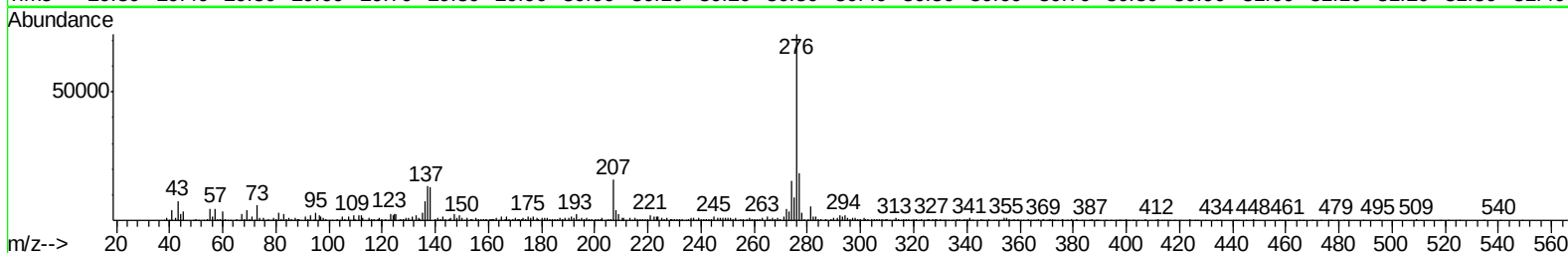
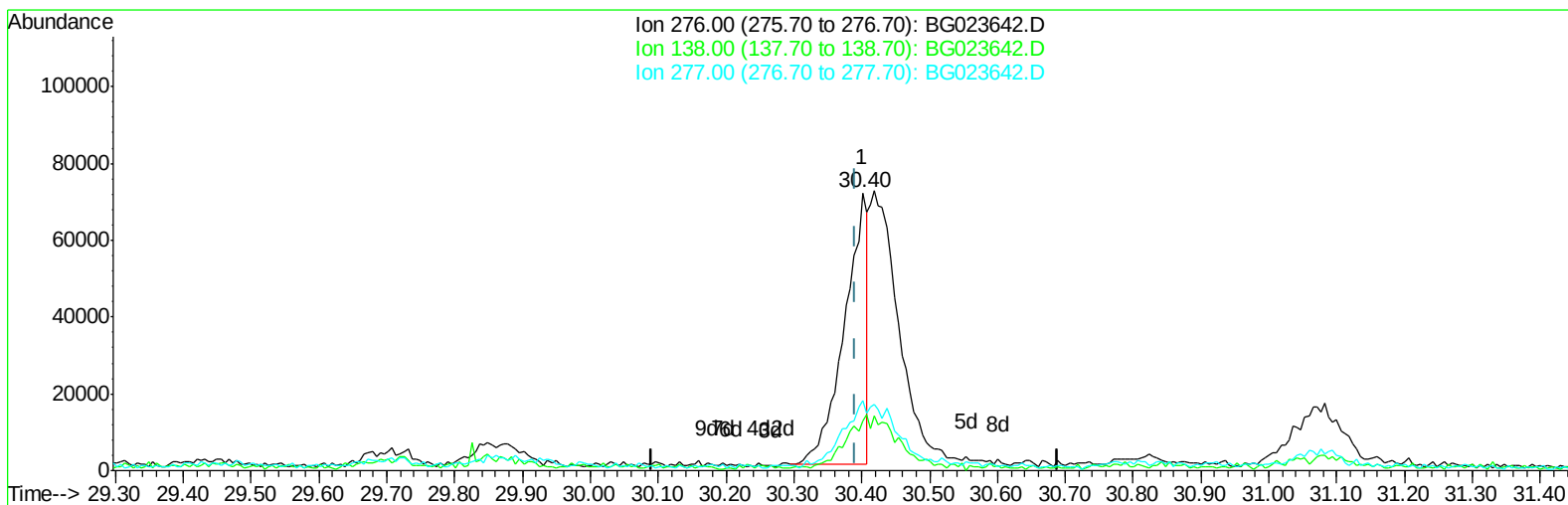
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS002-0612-01

Manual Integrations
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Quant Time: Aug 12 04:38:02 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: BG023642.D

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

30.401min (+0.011) 2.49ng/ul

response 164923

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	17.76#
277.00	21.20	25.34
0.00	0.00	0.00

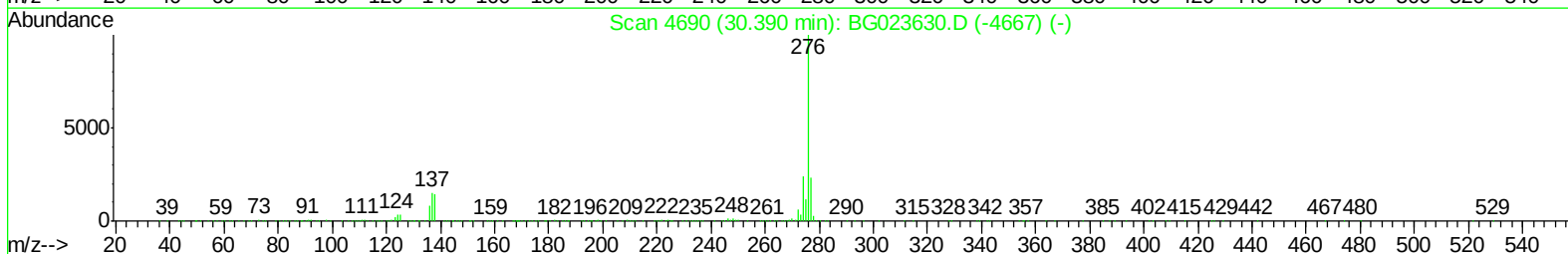
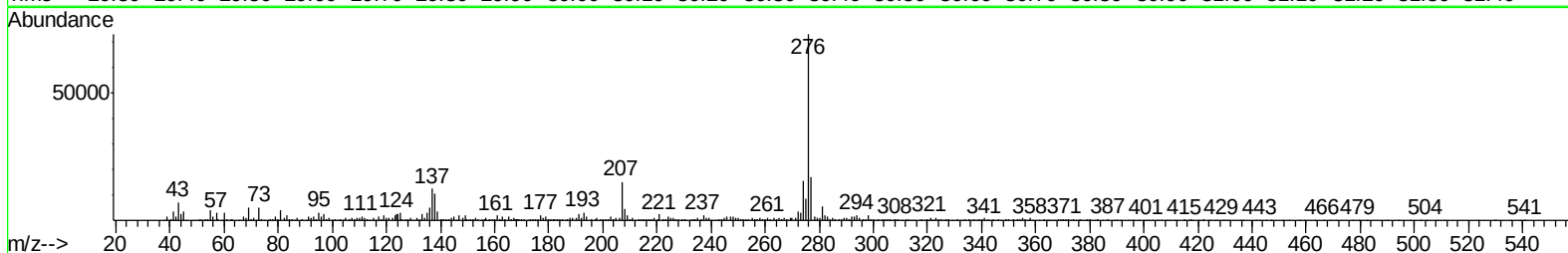
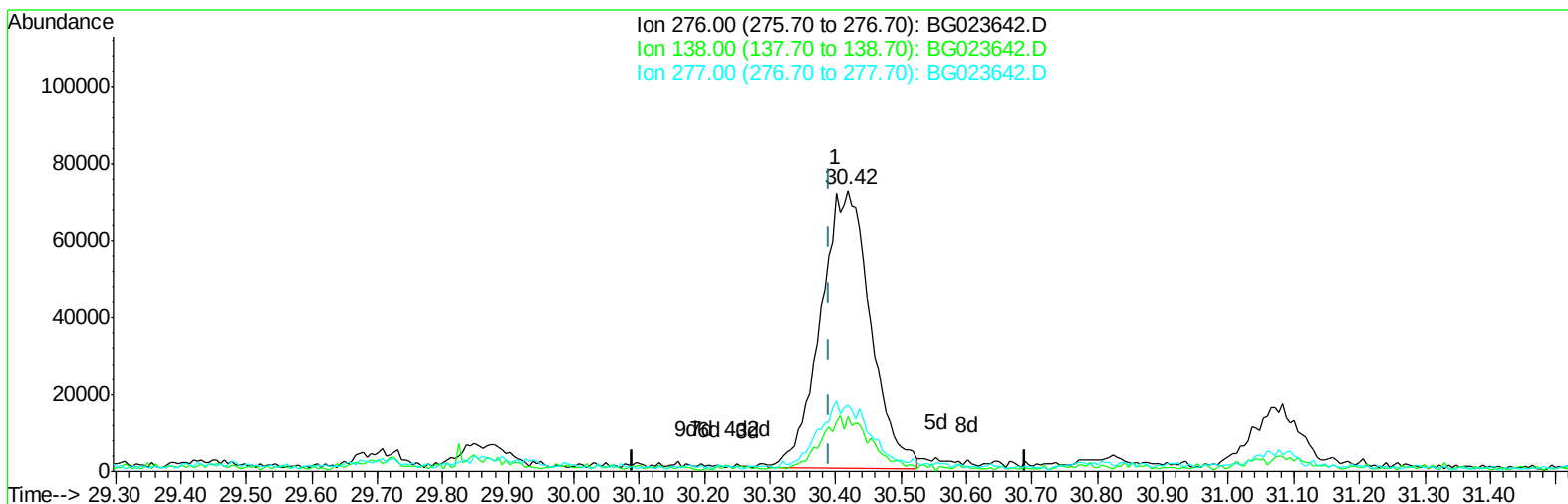
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023642.D
Acq On : 12 Aug 2016 3:51
Operator : UM/SJ
Sample : H4360-06 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
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TIC: BG023642.D

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

30.419min (+0.028) 5.79ng/ul m

response 384440

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	14.52#
277.00	21.20	23.66
0.00	0.00	0.00

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 Data File : BG023642.D
 Acq On : 12 Aug 2016 3:51
 Operator : UM/SJ
 Sample : H4360-06 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS002-0612-01

Manual Integrations
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 8/12/2016 5:56:32 PM

Quant Time: Aug 12 06:36:30 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	183930	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.95	136	845783	20.00	ng/ul	-0.01
35) Acenaphthene-d10	14.79	164	556158	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1214928	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1182887	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	1240261	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	1446m	0.33	ng/uL	0.00
5) Phenol-d5	7.27	99	65758	3.55	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	44382	3.74	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	47835	3.78	ng/ul	-0.01
13) 4-Methylphenol-d8	8.83	113	50695	3.50	ng/ul	-0.01
19) Nitrobenzene-d5	9.29	128	25111	3.77	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	29651	3.87	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.58	165	51790	3.59	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	41455	2.45	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	193045	4.24	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	229073	4.47	ng/ul	0.00
51) 4-Nitrophenol-d4	15.02	143	23567m	3.03	ng/ul	0.02
57) Fluorene-d10	15.78	176	174985	4.16	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	16750	2.15	ng/ul	0.00
70) Anthracene-d10	17.65	188	257942	4.71	ng/ul	-0.01
76) Pyrene-d10	19.94	212	279660	4.67	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	257875m	4.59	ng/ul	0.01

Target Compounds

					Qvalue
44) Dimethylphthalate	14.23	163	108799	2.41 ng/ul	98
47) Acenaphthylene	14.51	152	108233	2.02 ng/ul	96
69) Phenanthrene	17.59	178	638246	10.14 ng/ul	96
71) Anthracene	17.68	178	97763	1.52 ng/ul	96
74) Fluoranthene	19.61	202	999188	15.51 ng/ul#	93
77) Pyrene	19.97	202	1330069	18.19 ng/ul#	94
80) Benzo(a)anthracene	21.85	228	606050	9.10 ng/ul#	95
82) Chrysene	21.92	228	691935	11.42 ng/ul#	95
85) Benzo(b)fluoranthene	24.20	252	677769m	9.61 ng/ul	
86) Benzo(k)fluoranthene	24.26	252	231190m	3.33 ng/ul	
88) Benzo(a)pyrene	25.12	252	598496m	8.79 ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.20	276	367105m	4.59 ng/ul	
91) Benzo(g,h,i)perylene	30.42	276	384440m	5.79 ng/ul	

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

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