

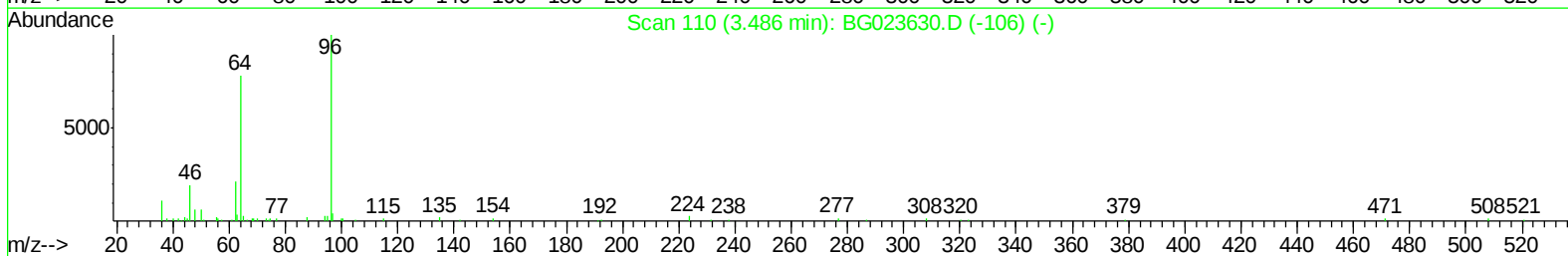
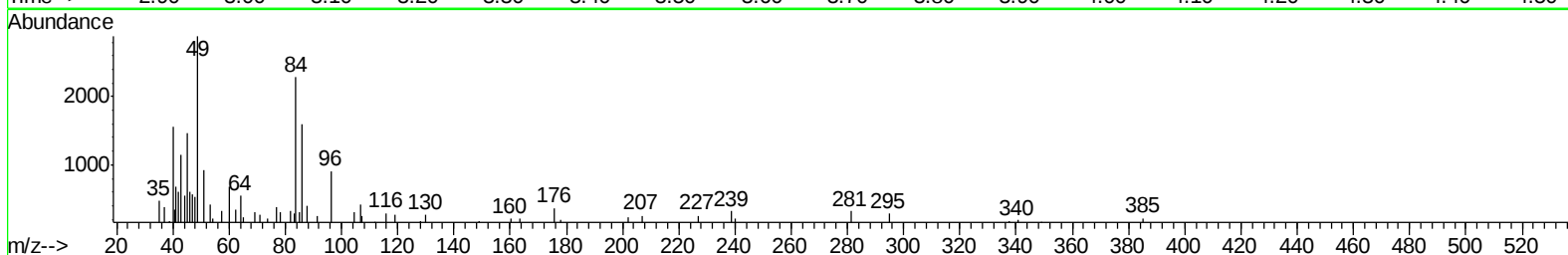
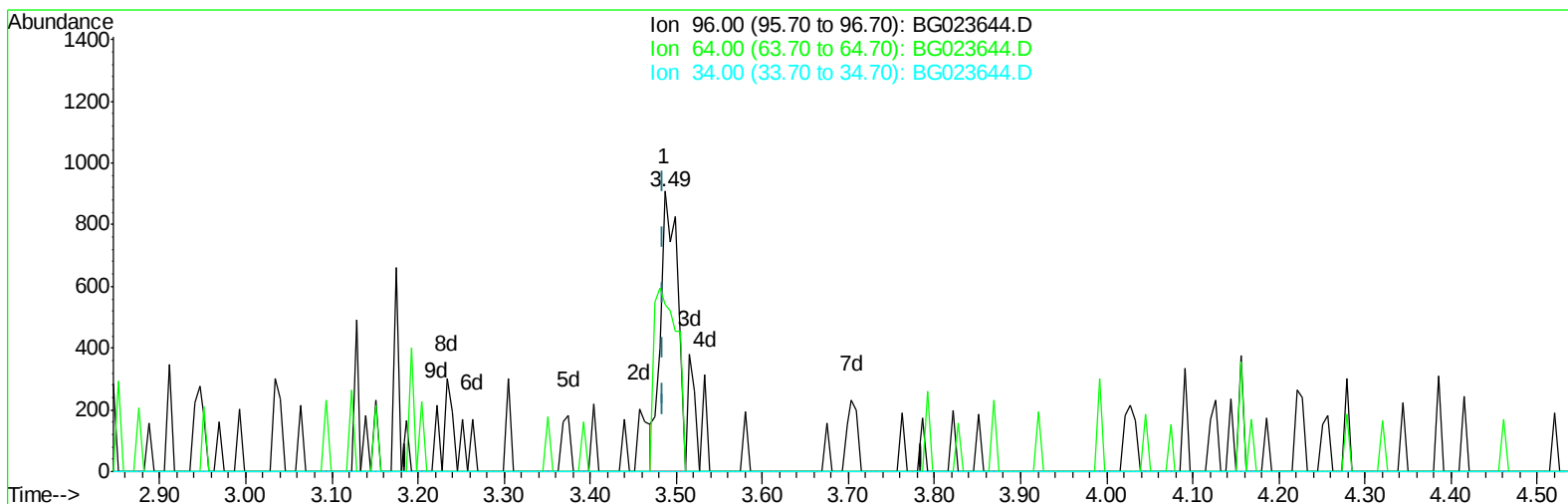
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:45:44 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: BG023644.D

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

3.486min (+0.001) 0.29ng/uL

response 1228

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	59.74
34.00	0.00	0.00
0.00	0.00	0.00

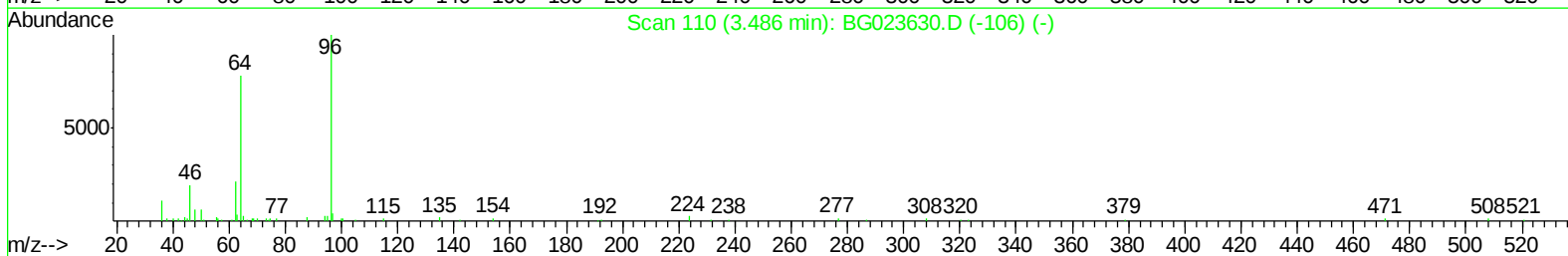
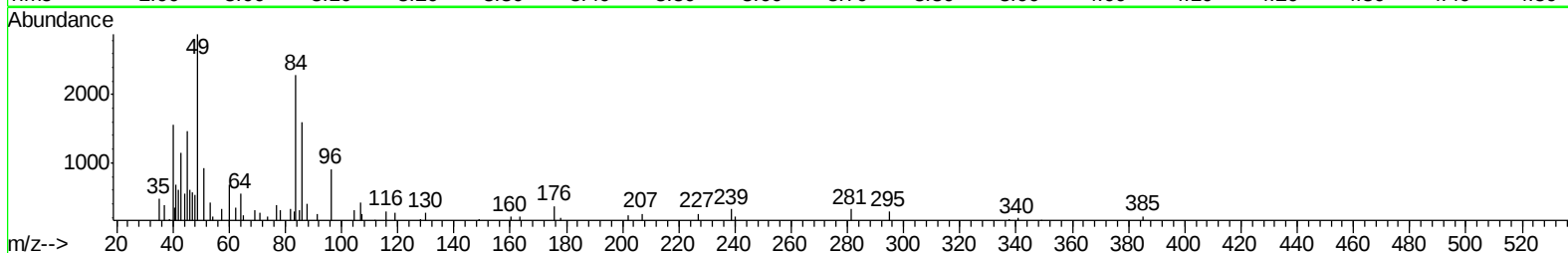
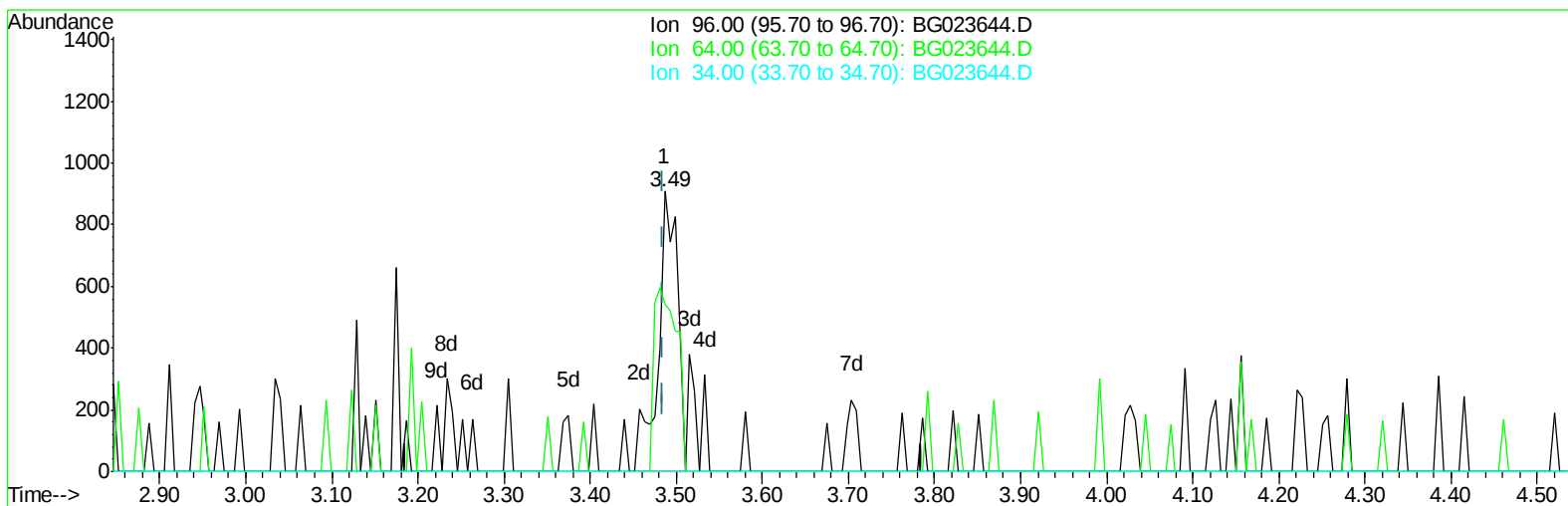
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Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
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sohil
8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:45:44 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: BG023644.D

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

3.486min (+0.001) 0.34ng/uL m

response 1411

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	59.74
34.00	0.00	0.00
0.00	0.00	0.00

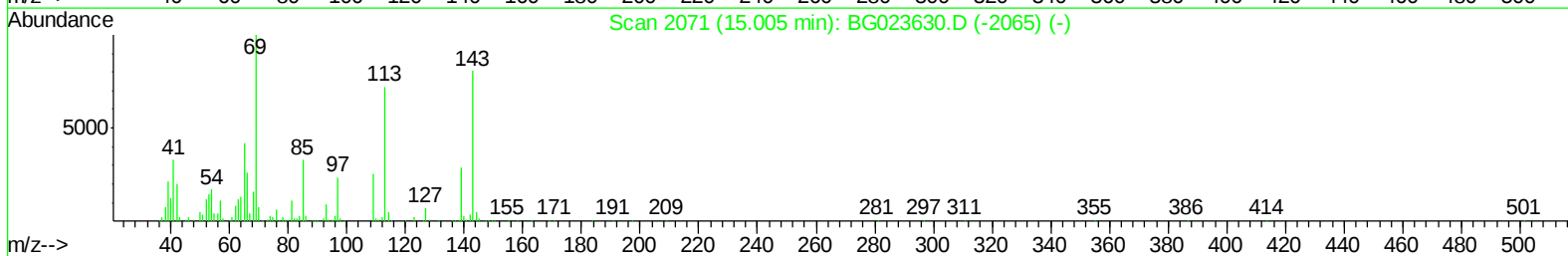
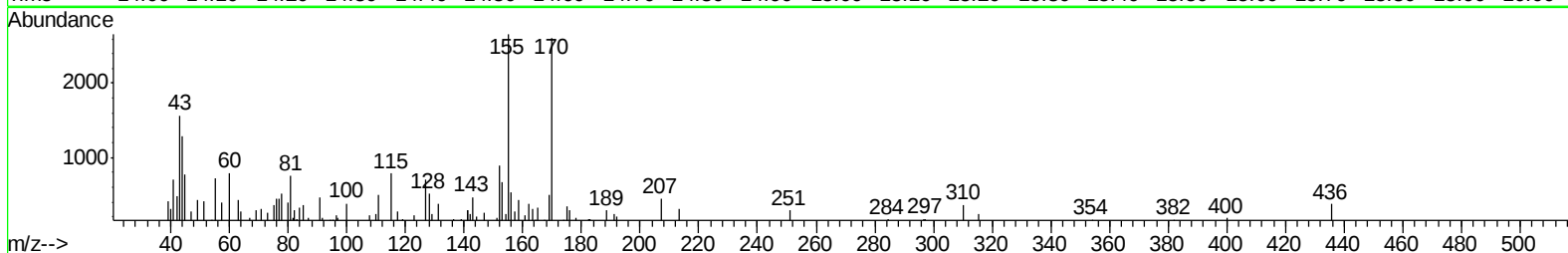
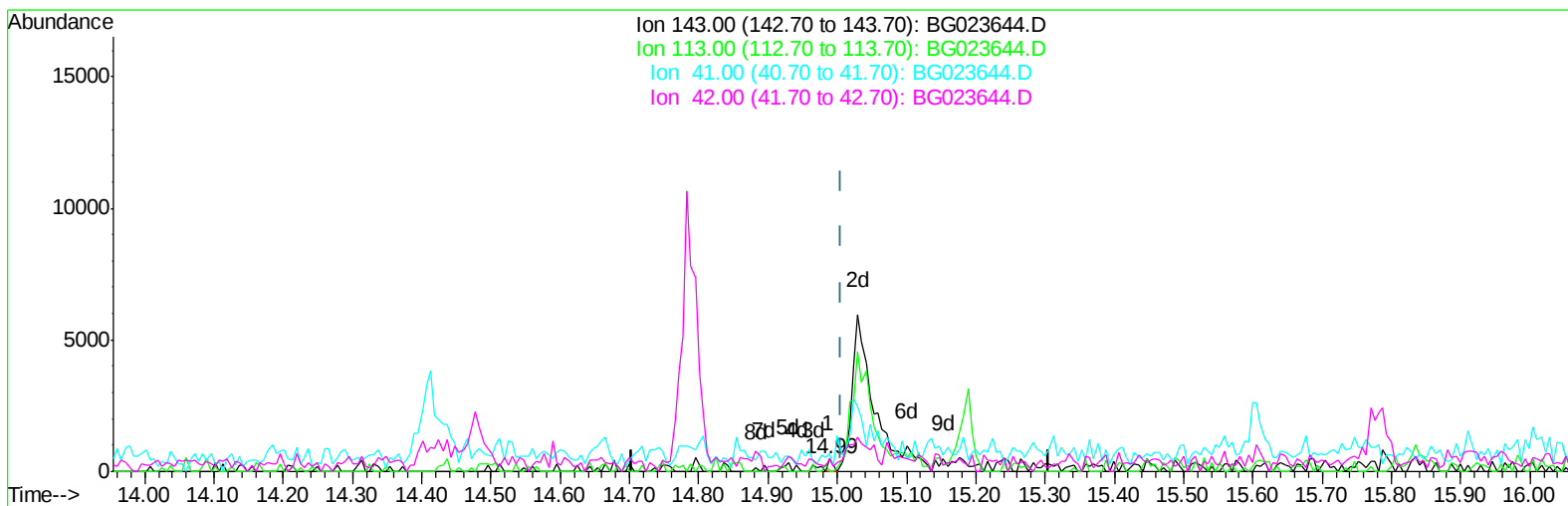
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023644.D
 Acq On : 12 Aug 2016 5:06
 Operator : UM/SJ
 Sample : H4360-22 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-1218-01

Manual Integrations
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 8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:45:44 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: BG023644.D

(51) 4-Nitrophenol-d4 (S)
 14.989min (-0.017) 0.03ng/ul

response 245

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	0.00#
41.00	26.90	151.51#
42.00	16.10	103.66#

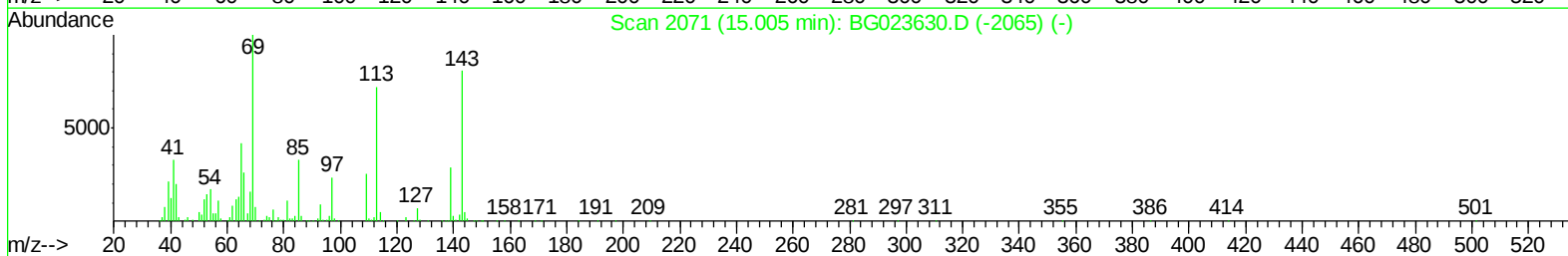
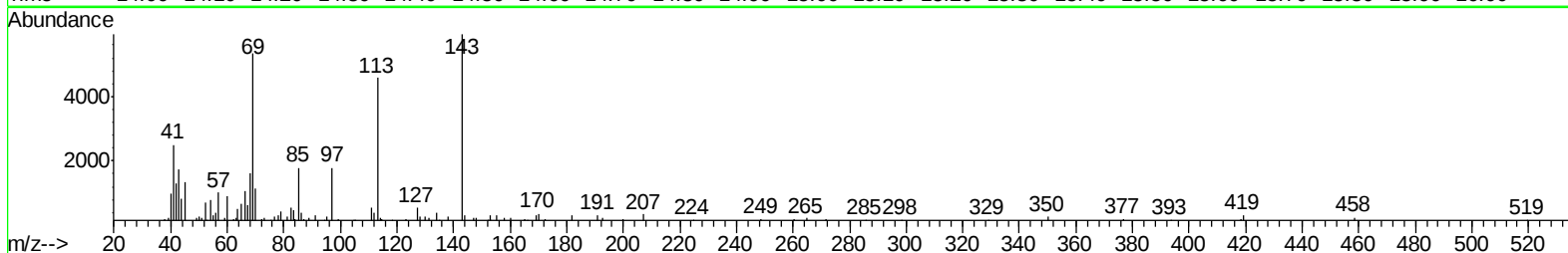
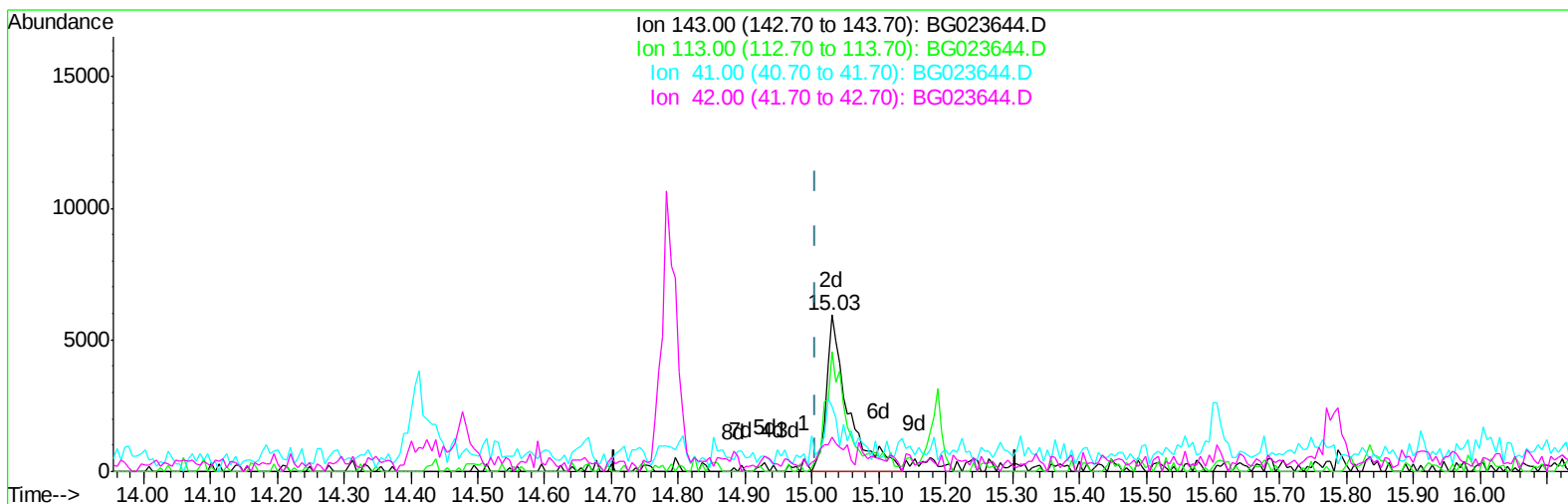
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Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
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8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:45:44 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: BG023644.D

(51) 4-Nitrophenol-d4 (S)

15.030min (+0.024) 1.93ng/ul m

response 13638

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	77.09#
41.00	26.90	42.02#
42.00	16.10	21.78#

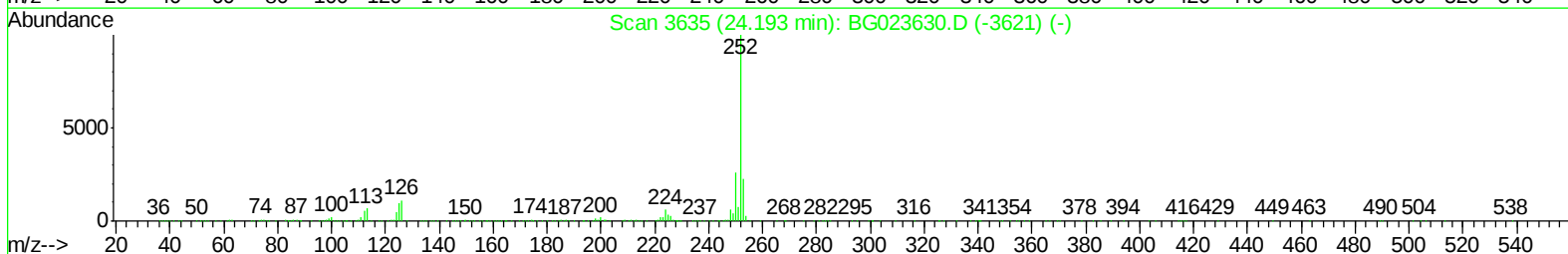
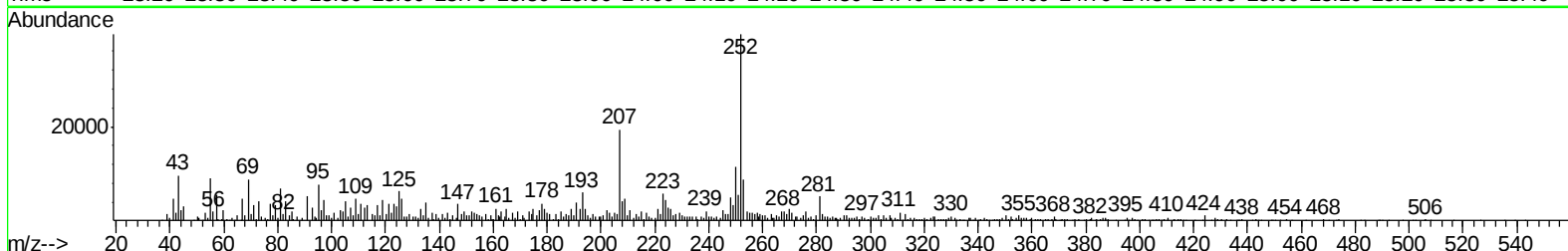
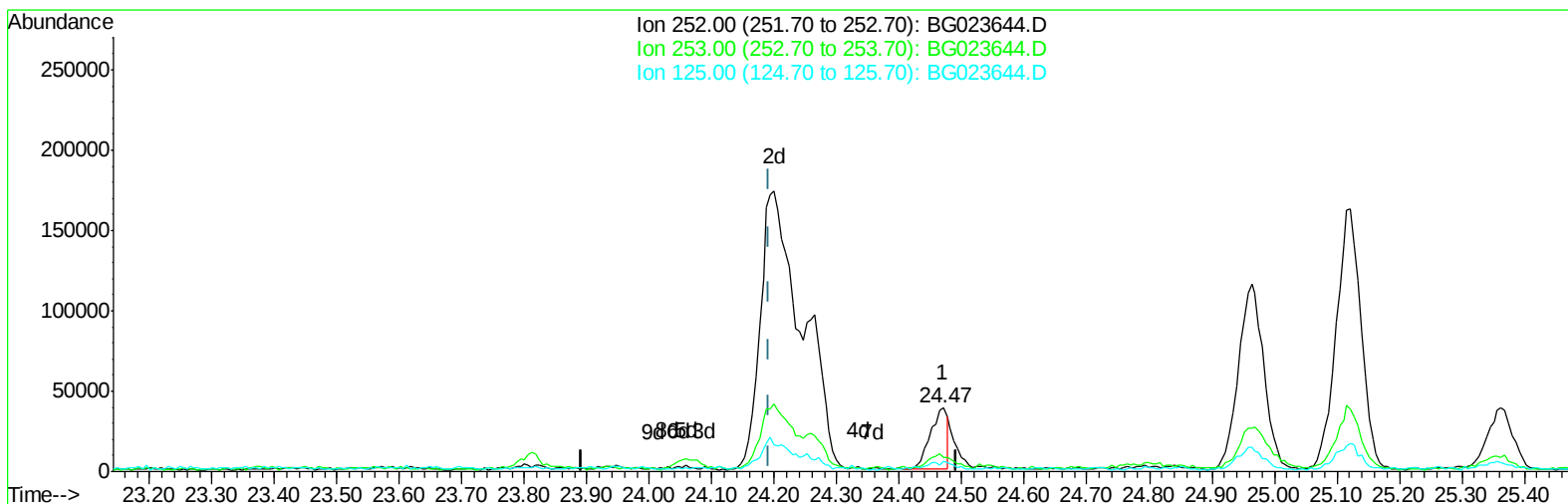
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Quant Time: Aug 12 06:45:44 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: BG023644.D

(85) Benzo(b)fluoranthene

24.470min (+0.277) 1.09ng/ul

response 70642

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	22.23
125.00	13.50	15.91
0.00	0.00	0.00

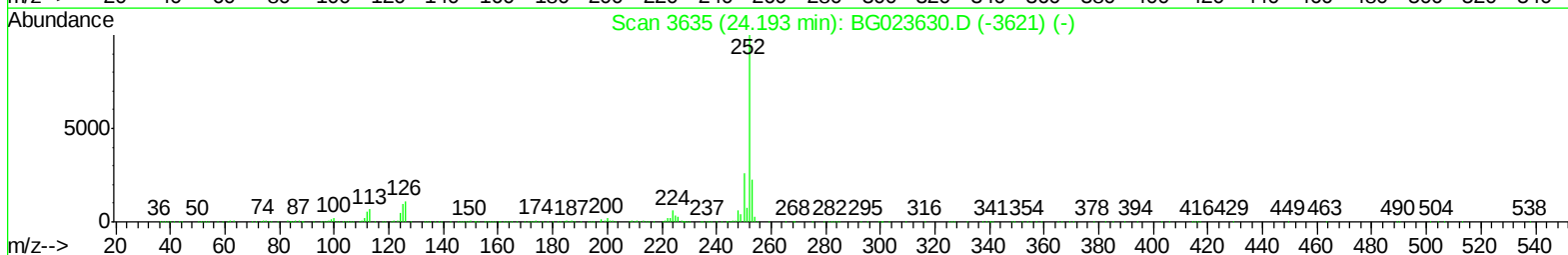
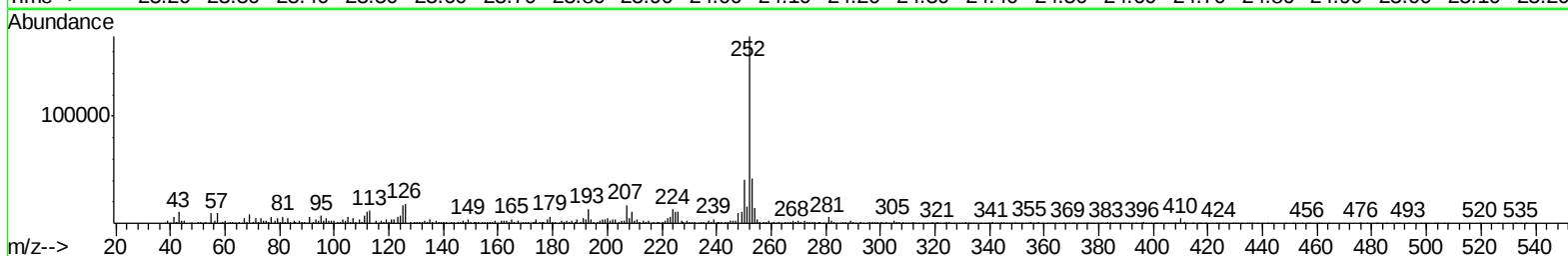
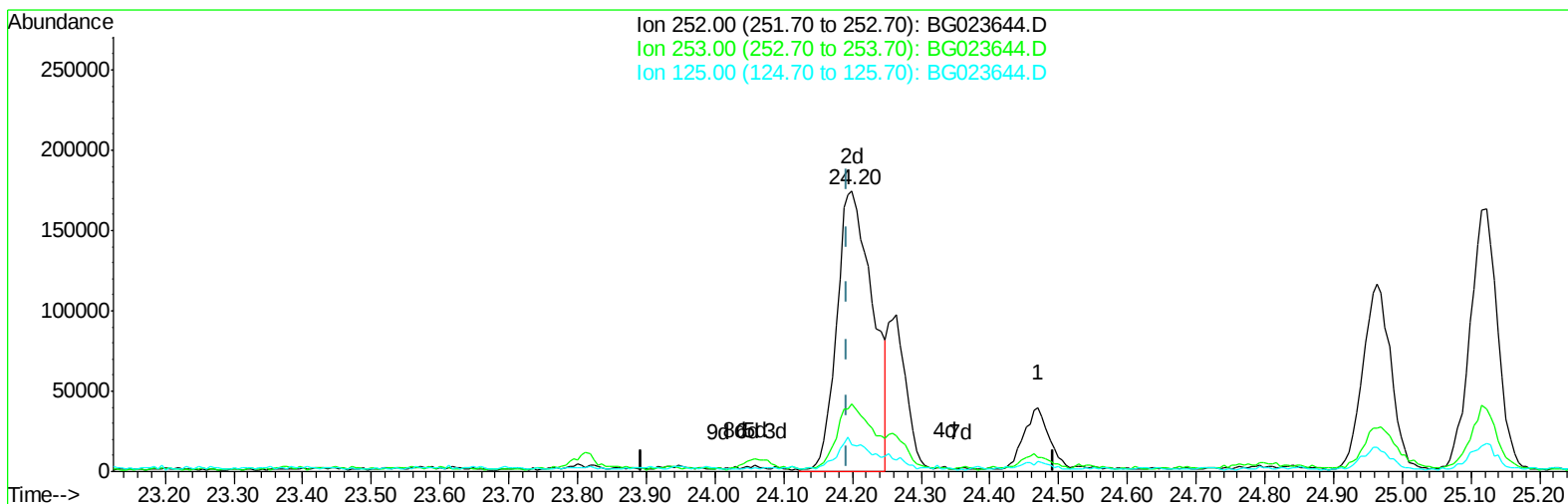
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
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Quant Time: Aug 12 06:45:44 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: BG023644.D

(85) Benzo(b)fluoranthene

24.200min (+0.007) 9.70ng/ul m

response 630581

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.03
125.00	13.50	9.64#
0.00	0.00	0.00

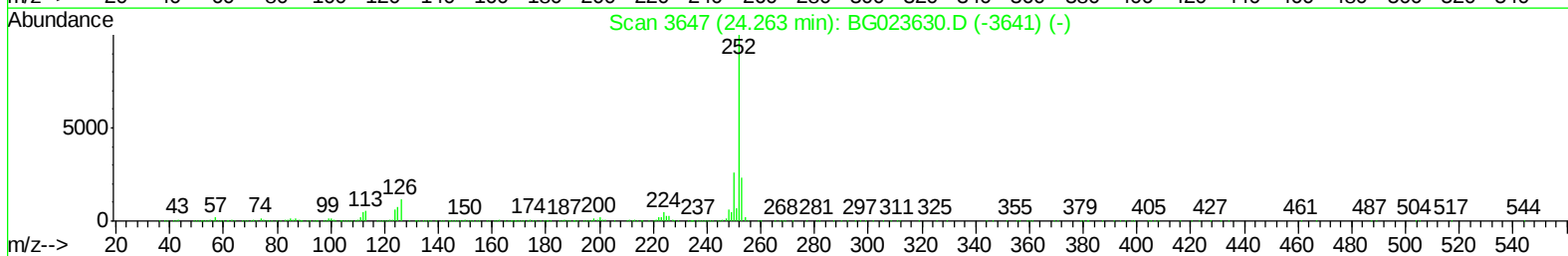
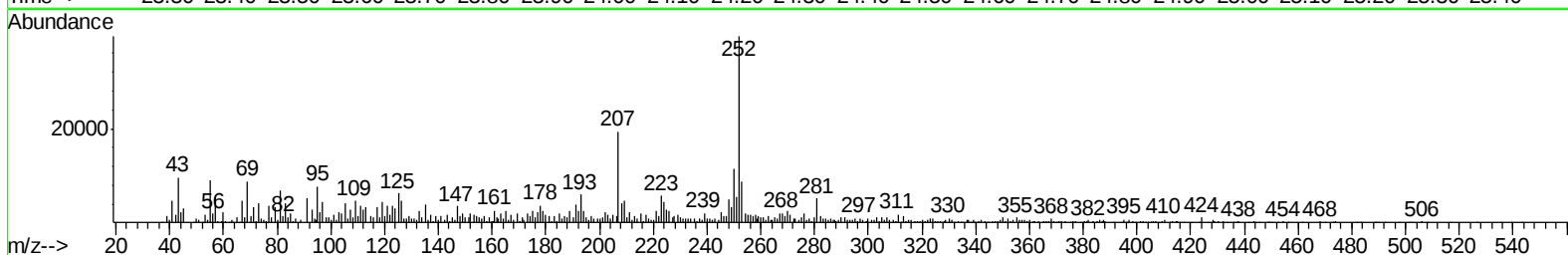
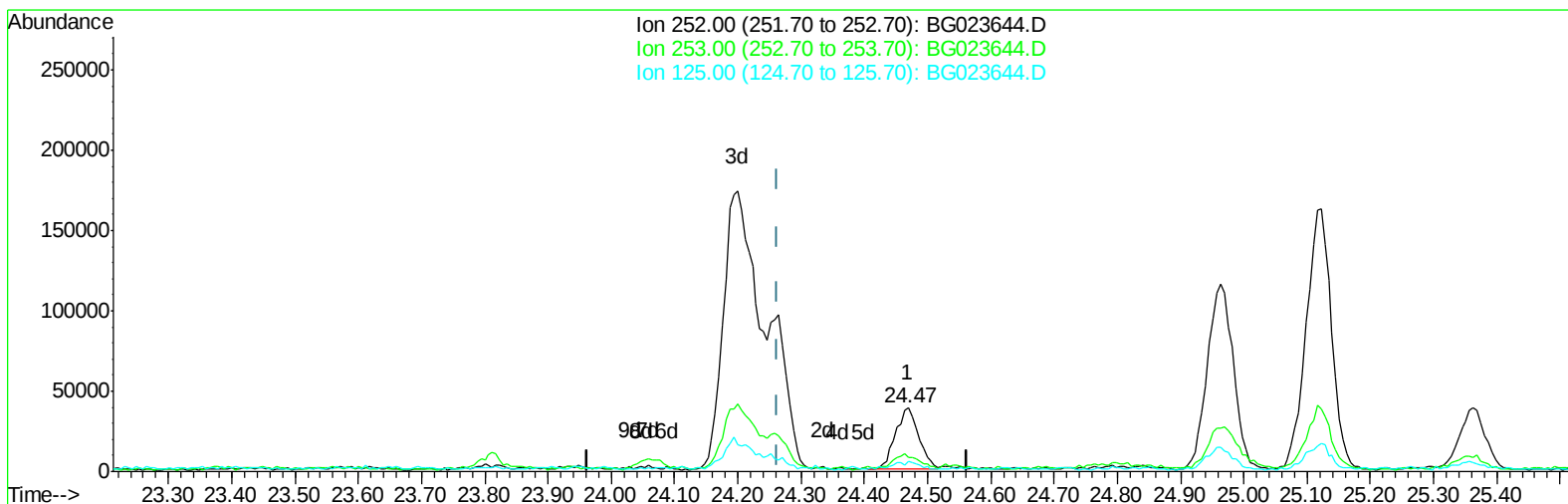
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
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Quant Time: Aug 12 06:45:44 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: BG023644.D

(86) Benzo(k)fluoranthene

24.470min (+0.206) 1.51ng/ul

response 96375

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	22.23
125.00	13.30	15.91
0.00	0.00	0.00

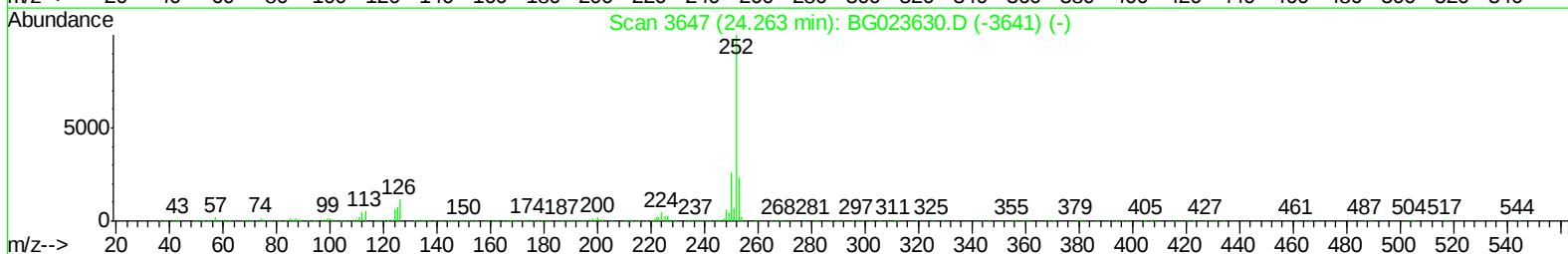
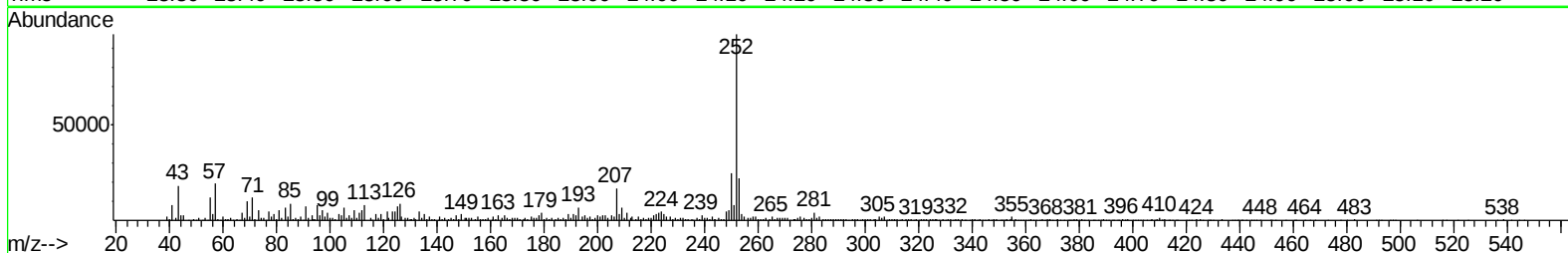
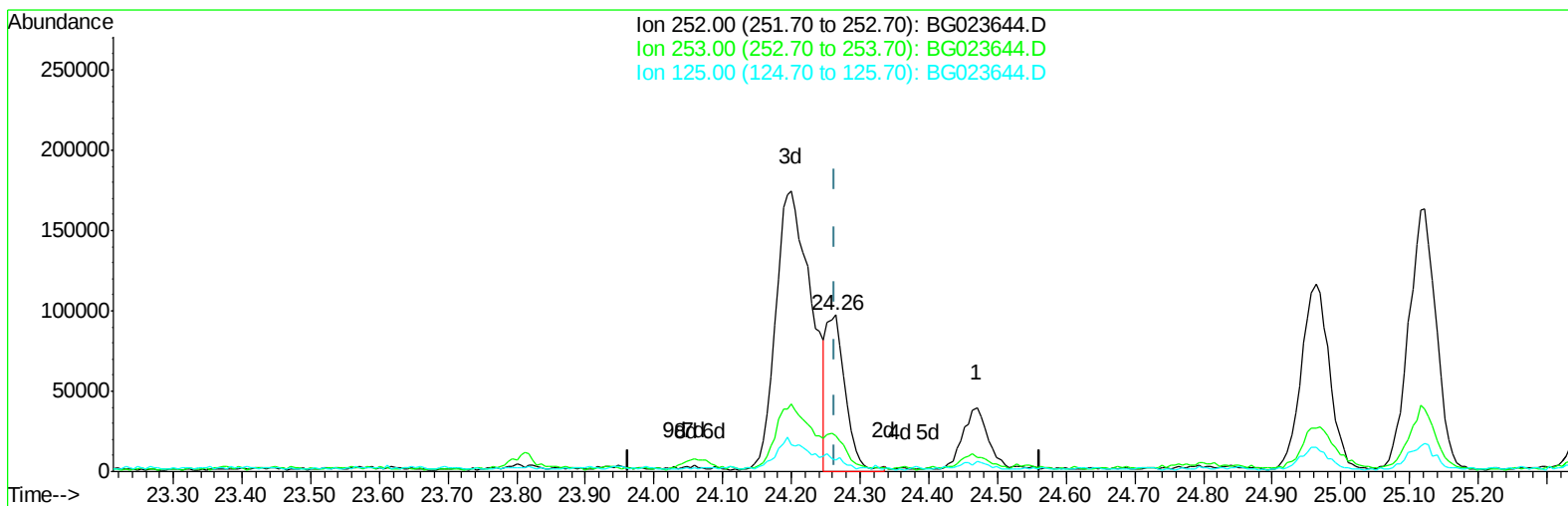
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 Data File : BG023644.D
 Acq On : 12 Aug 2016 5:06
 Operator : UM/SJ
 Sample : H4360-22 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-1218-01

Manual Integrations
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sohil
 8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:45:44 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: BG023644.D

(86) Benzo(k)fluoranthene

24.264min (+0.001) 2.89ng/ul m

response 185007

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	22.59
125.00	13.30	7.68#
0.00	0.00	0.00

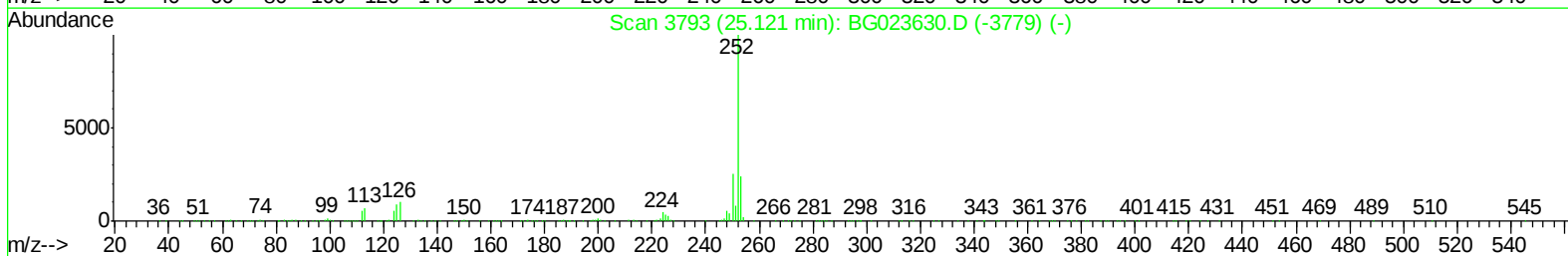
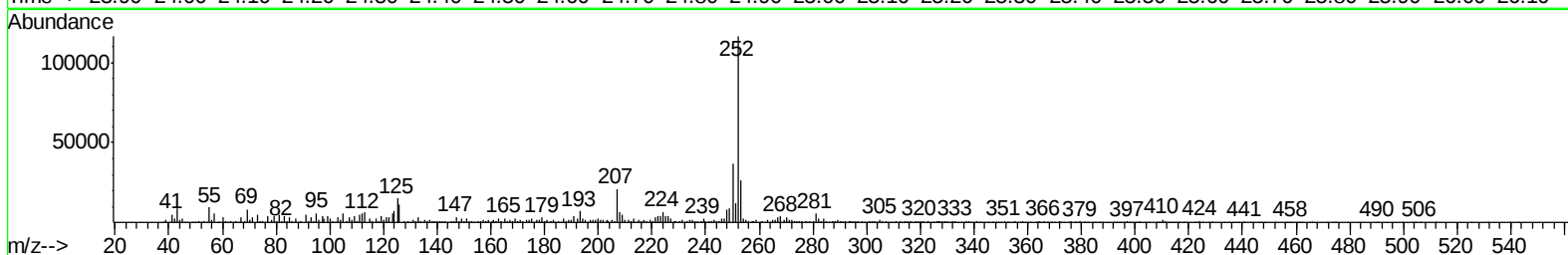
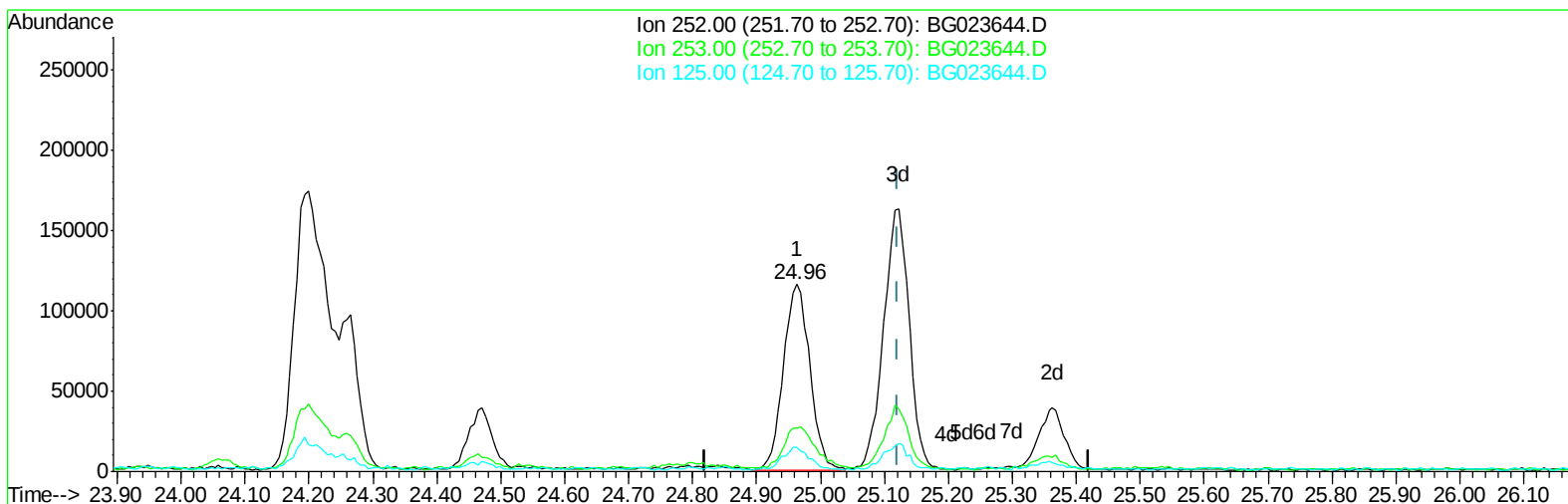
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
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Quant Time: Aug 12 06:45:44 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: BG023644.D

(88) Benzo(a)pyrene (C)

24.963min (-0.158) 5.23ng/ul

response 328583

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.97
125.00	15.00	13.13
0.00	0.00	0.00

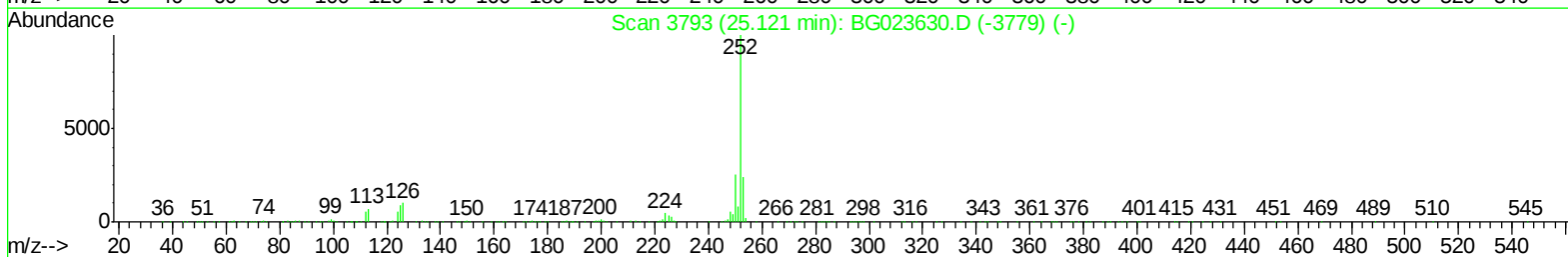
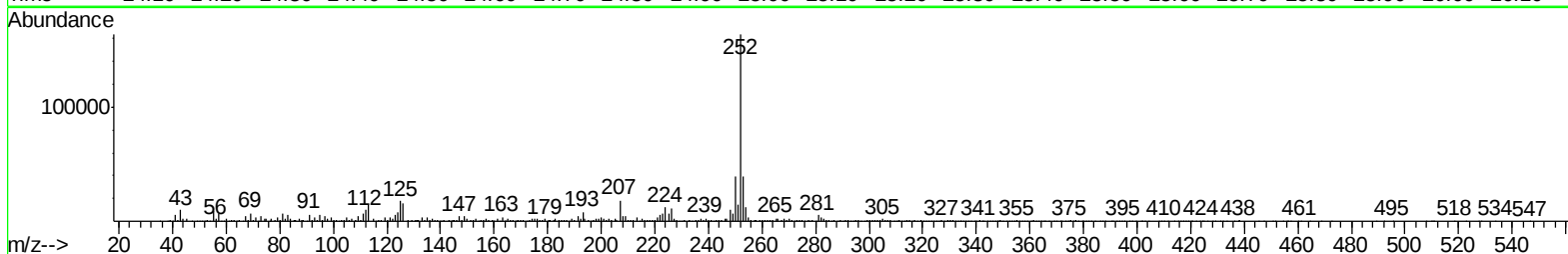
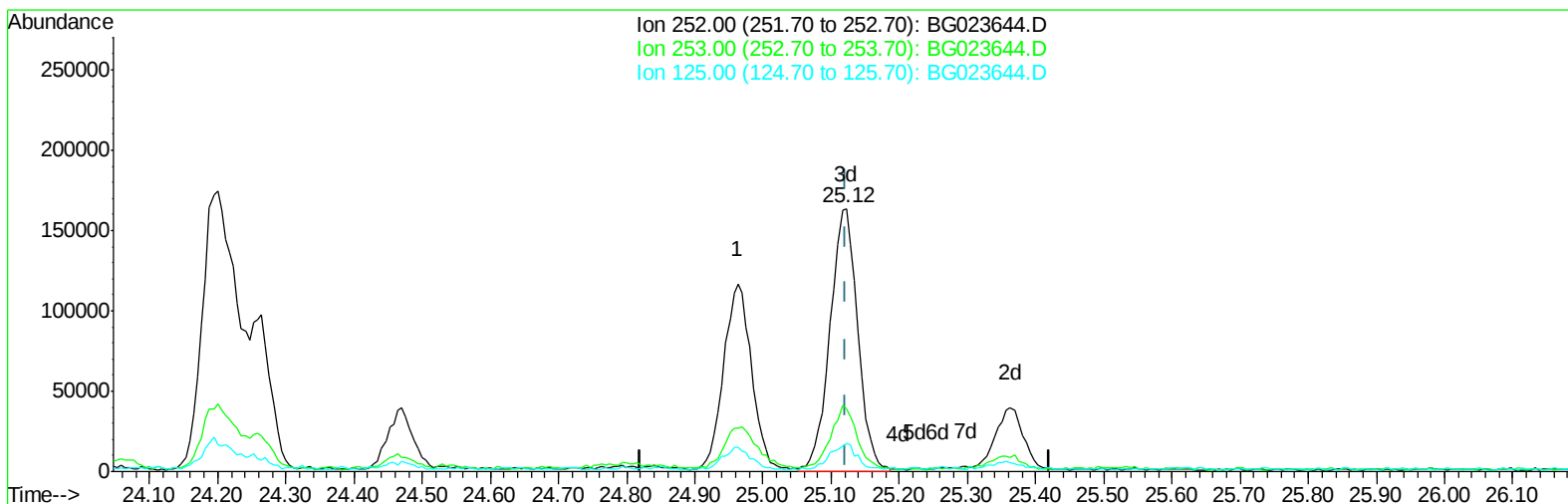
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Quant Time: Aug 12 06:45:44 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: BG023644.D

(88) Benzo(a)pyrene (C)

25.122min (+0.001) 7.35ng/ul m

response 461418

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.88
125.00	15.00	10.91#
0.00	0.00	0.00

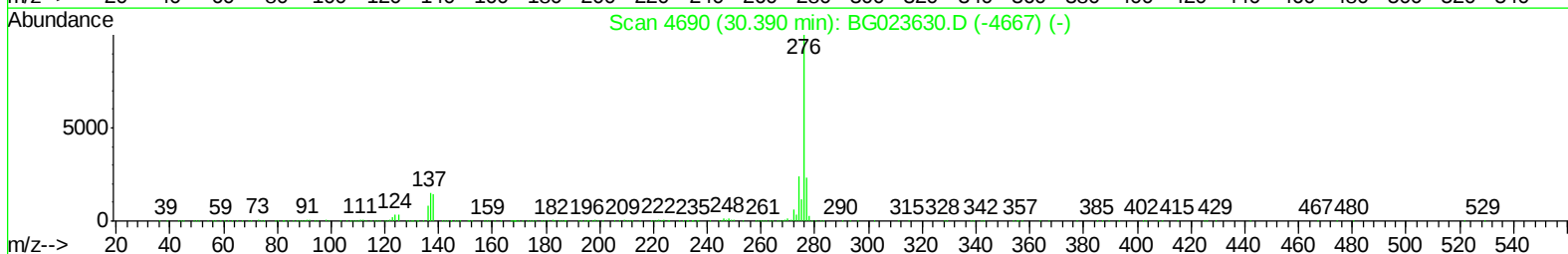
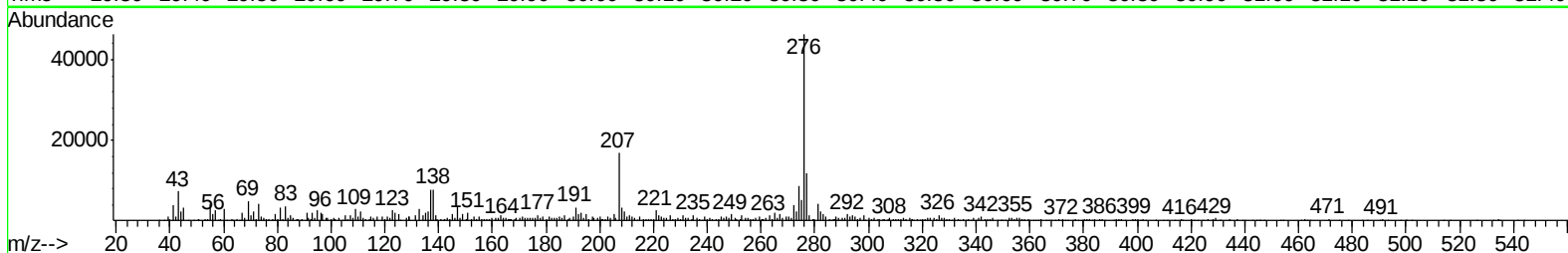
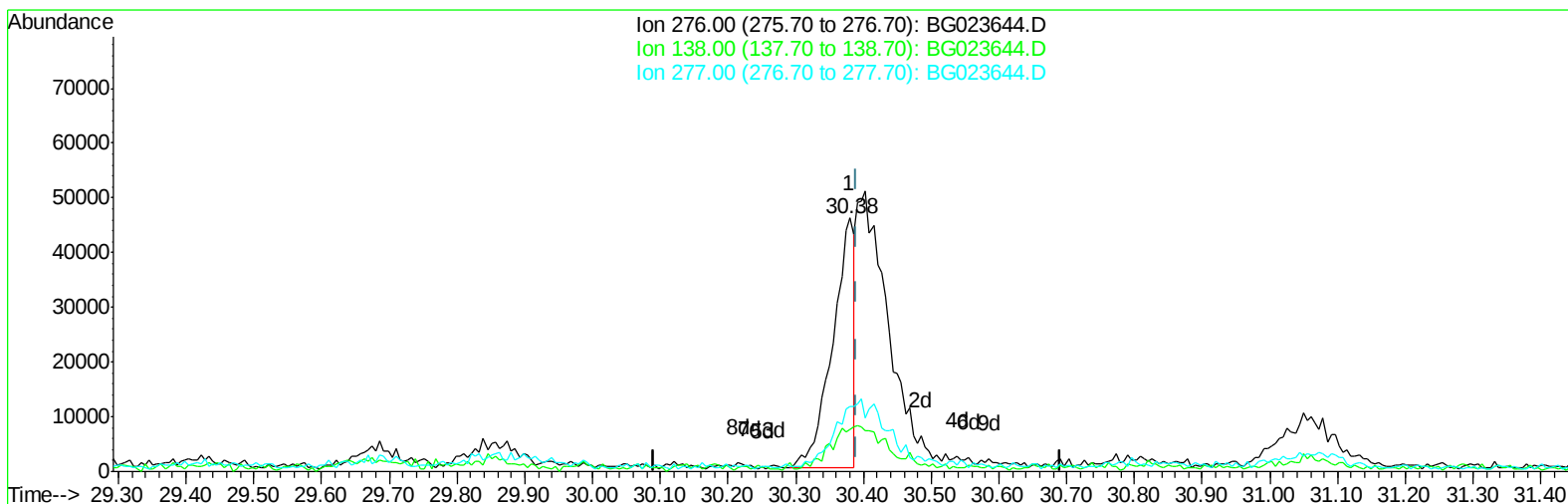
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
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8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:45:44 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: BG023644.D

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

30.379min (-0.011) 1.67ng/ul

response 102106

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	16.74#
277.00	21.20	25.43
0.00	0.00	0.00

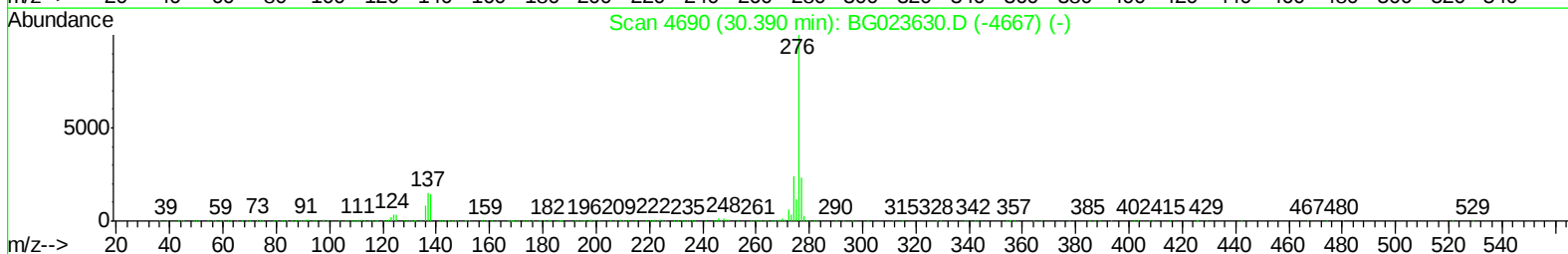
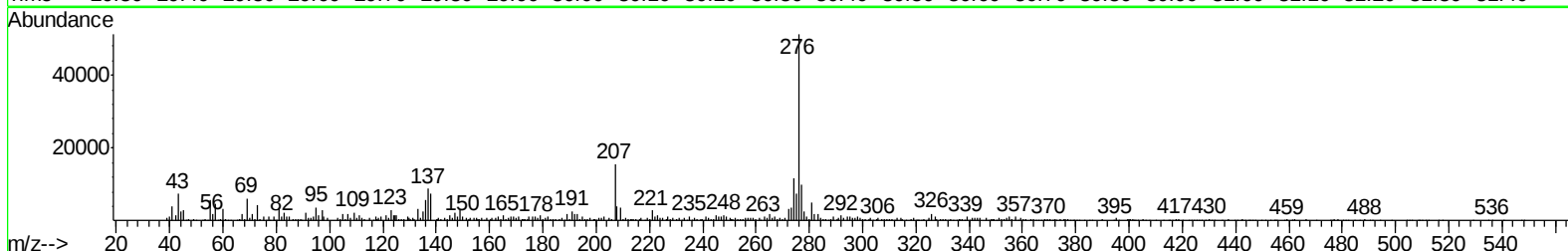
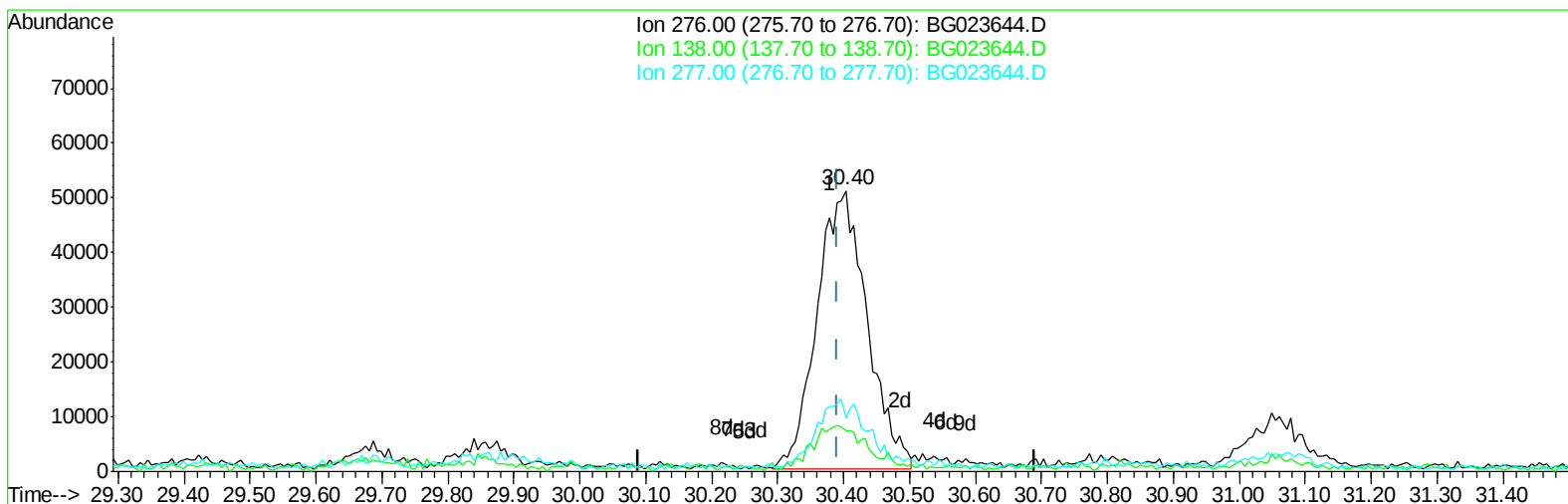
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Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
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8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:45:44 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: BG023644.D

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

30.403min (+0.013) 4.35ng/ul m

response 266188

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	14.34#
277.00	21.20	19.25
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023644.D
 Acq On : 12 Aug 2016 5:06
 Operator : UM/SJ
 Sample : H4360-22 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS004-1218-01

Manual Integrations
 APPROVED

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 8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:50:57 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	178809	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.95	136	744748	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	506707	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1110653	20.00	ng/ul	-0.01
75) Chrysene-d12	21.88	240	1117798	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	1143477	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	1411m	0.34	ng/uL	0.00
5) Phenol-d5	7.27	99	41716	2.32	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	41091	3.56	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	40996	3.34	ng/ul	-0.02
13) 4-Methylphenol-d8	8.83	113	32872	2.34	ng/ul	-0.01
19) Nitrobenzene-d5	9.29	128	22820	3.89	ng/ul	-0.02
22) 2-Nitrophenol-d4	10.02	143	28772	4.27	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.58	165	46741	3.68	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	37311	2.50	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	178990	4.31	ng/ul	-0.01
46) Acenaphthylene-d8	14.48	160	211529	4.53	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.03	143	13638m	1.93	ng/ul	0.02
57) Fluorene-d10	15.78	176	169158	4.41	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	12058	1.69	ng/ul	0.00
70) Anthracene-d10	17.65	188	235235	4.70	ng/ul	-0.01
76) Pyrene-d10	19.94	212	243881	4.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.04	264	219129	4.23	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	11.00	128	44412	1.17	ng/ul	97
44) Dimethylphthalate	14.23	163	92316	2.25	ng/ul	98
49) Acenaphthene	14.85	153	38464	1.16	ng/ul	94
58) Fluorene	15.84	166	57123	1.39	ng/ul#	79
69) Phenanthrene	17.59	178	833766	14.50	ng/ul	99
71) Anthracene	17.68	178	165765	2.82	ng/ul	95
72) Carbazole	17.96	167	64693	1.37	ng/ul	96
73) Di-n-butylphthalate	18.50	149	105487	1.78	ng/ul	97
74) Fluoranthene	19.61	202	990588	16.82	ng/ul#	93
77) Pyrene	19.97	202	1071367	15.50	ng/ul#	93
80) Benzo(a)anthracene	21.86	228	535345	8.50	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.76	149	7925954	224.90	ng/ul#	2
82) Chrysene	21.93	228	568370	9.93	ng/ul#	95
84) Di-n-octyl phthalate	23.01	149	905551	15.68	ng/ul	100
85) Benzo(b)fluoranthene	24.20	252	630581m	9.70	ng/ul	
86) Benzo(k)fluoranthene	24.26	252	185007m	2.89	ng/ul	
88) Benzo(a)pyrene	25.12	252	461418m	7.35	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.18	276	293627	3.98	ng/ul#	87
91) Benzo(g,h,i)perylene	30.40	276	266188m	4.35	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:40 PM

Quant Time: Aug 12 06:50:57 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

