

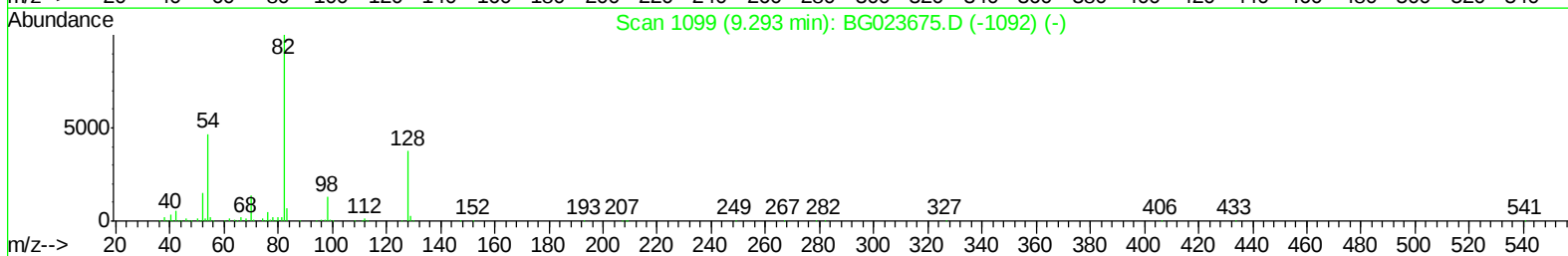
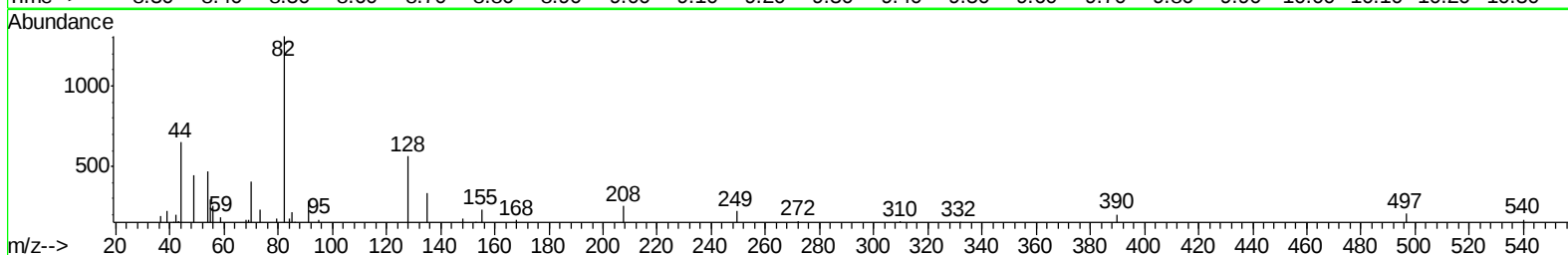
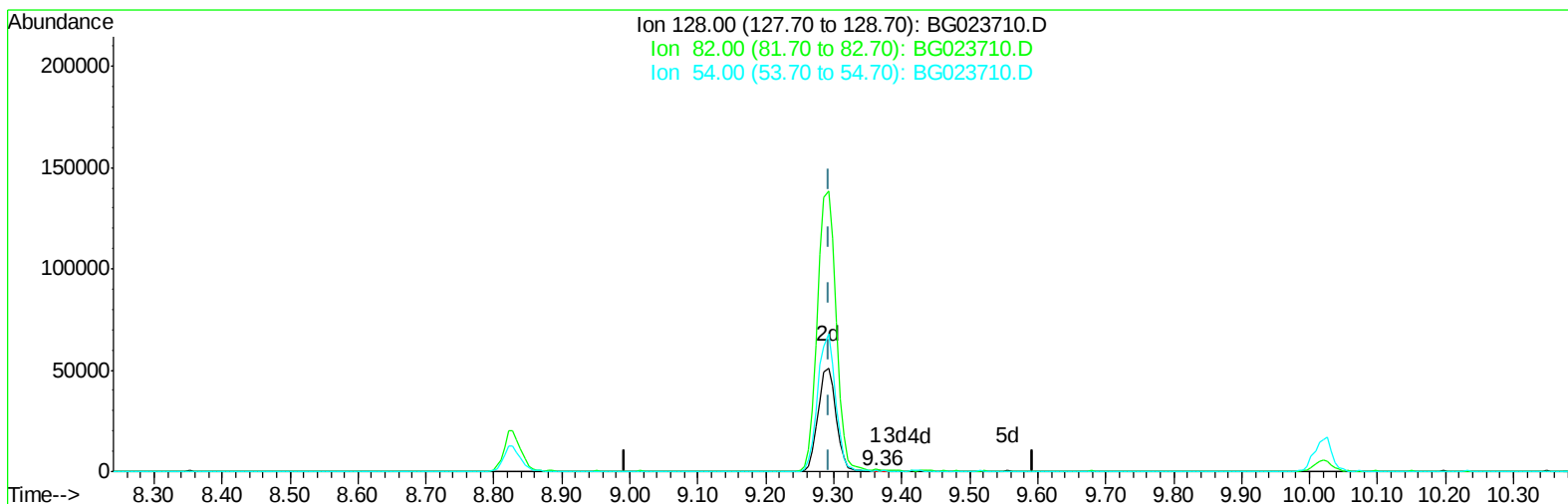
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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umangi
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(19) Nitrobenzene-d5 (S)

9.362min (+0.069) 0.12ng/ul

response 504

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	231.91
54.00	78.50	83.51
0.00	0.00	0.00

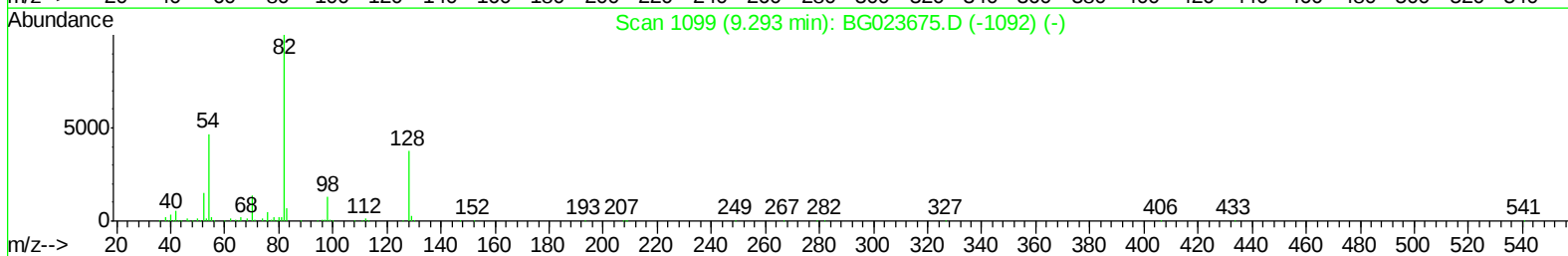
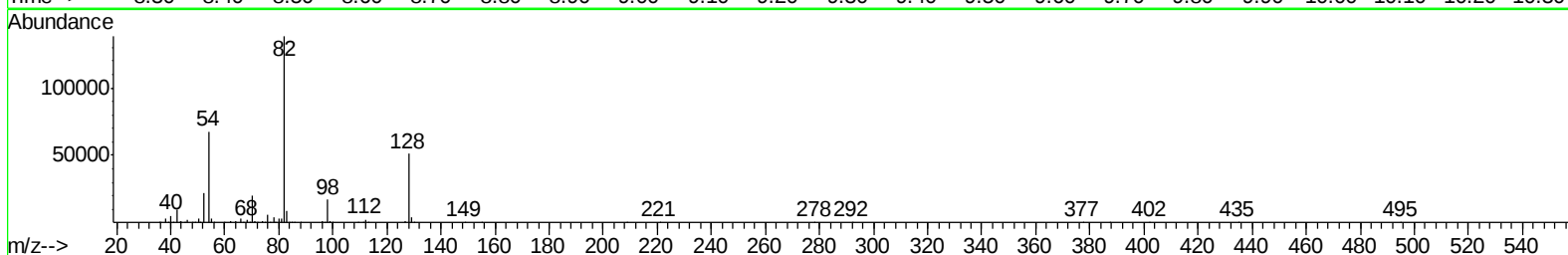
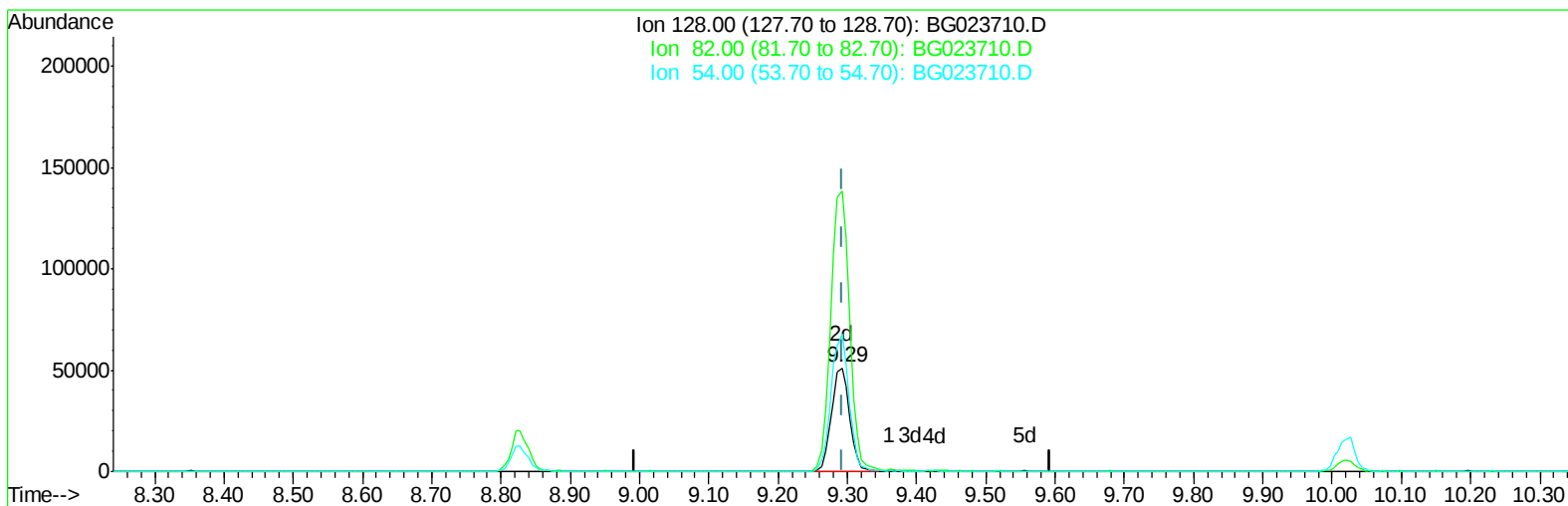
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(19) Nitrobenzene-d5 (S)

9.292min (-0.001) 21.83ng/ul m

response 92966

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	271.18#
54.00	78.50	132.88#
0.00	0.00	0.00

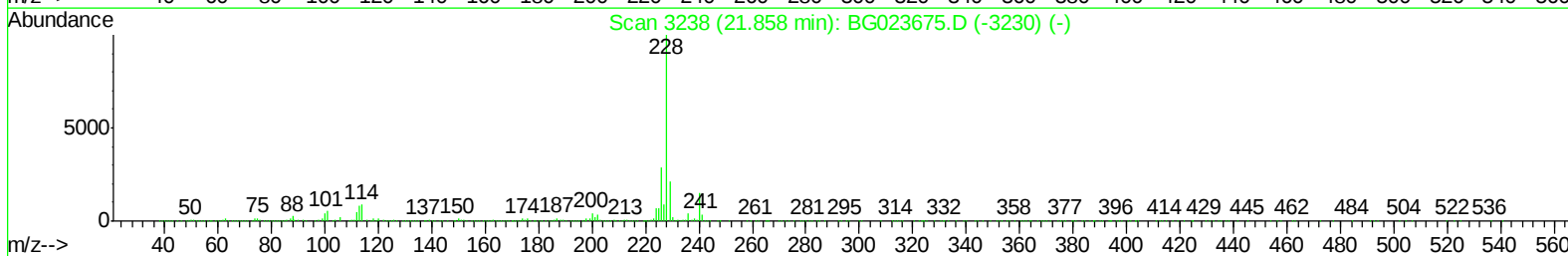
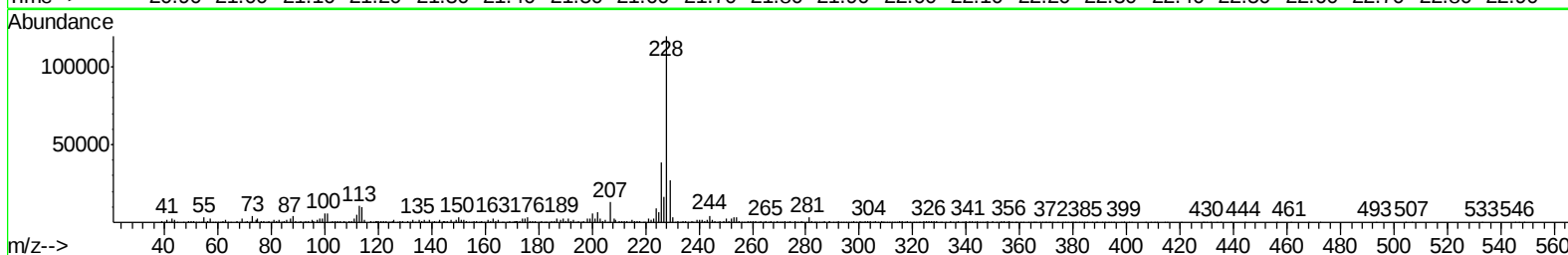
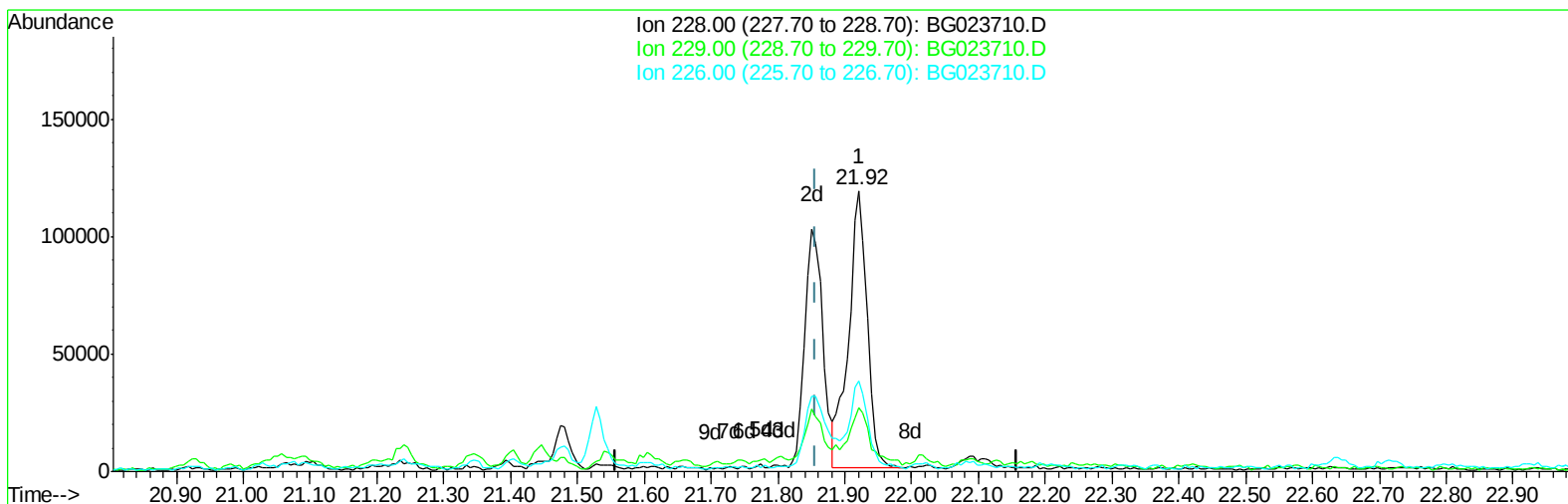
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Quant Time: Aug 16 11:29:52 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

Manual Integrations
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TIC: BG023710.D

(80) Benzo(a)anthracene
21.922min (+0.064) 5.59ng/ul
response 225336

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	22.88
226.00	28.50	32.28
0.00	0.00	0.00

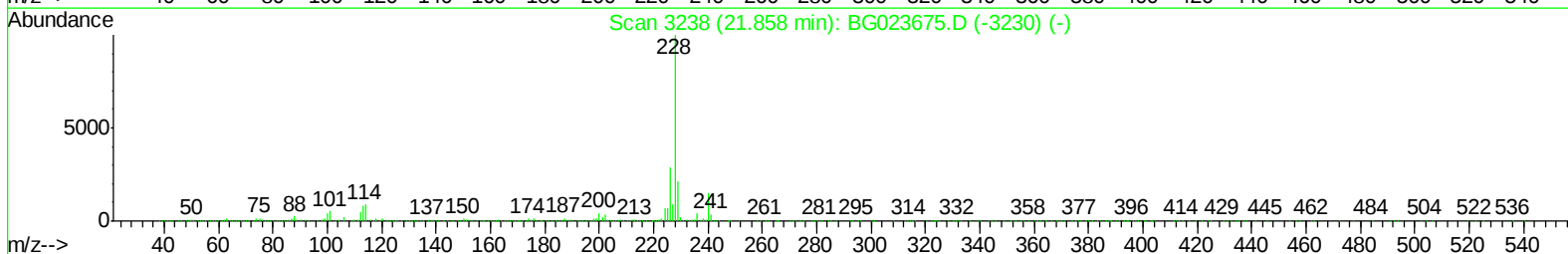
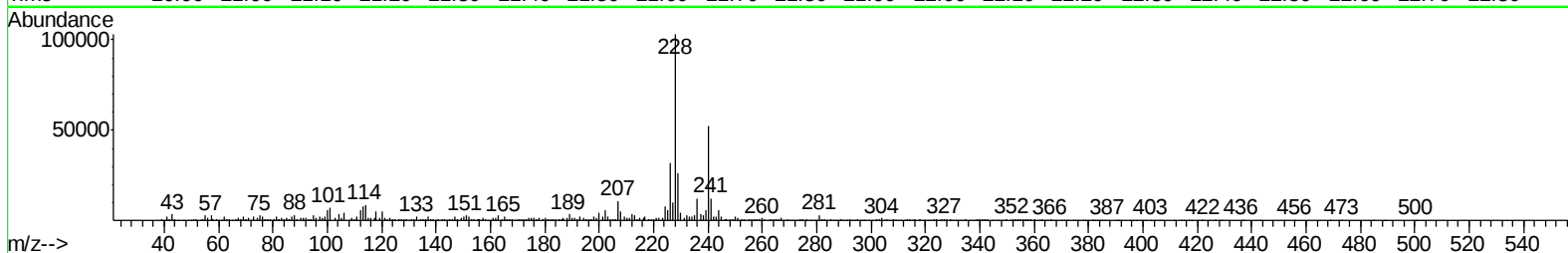
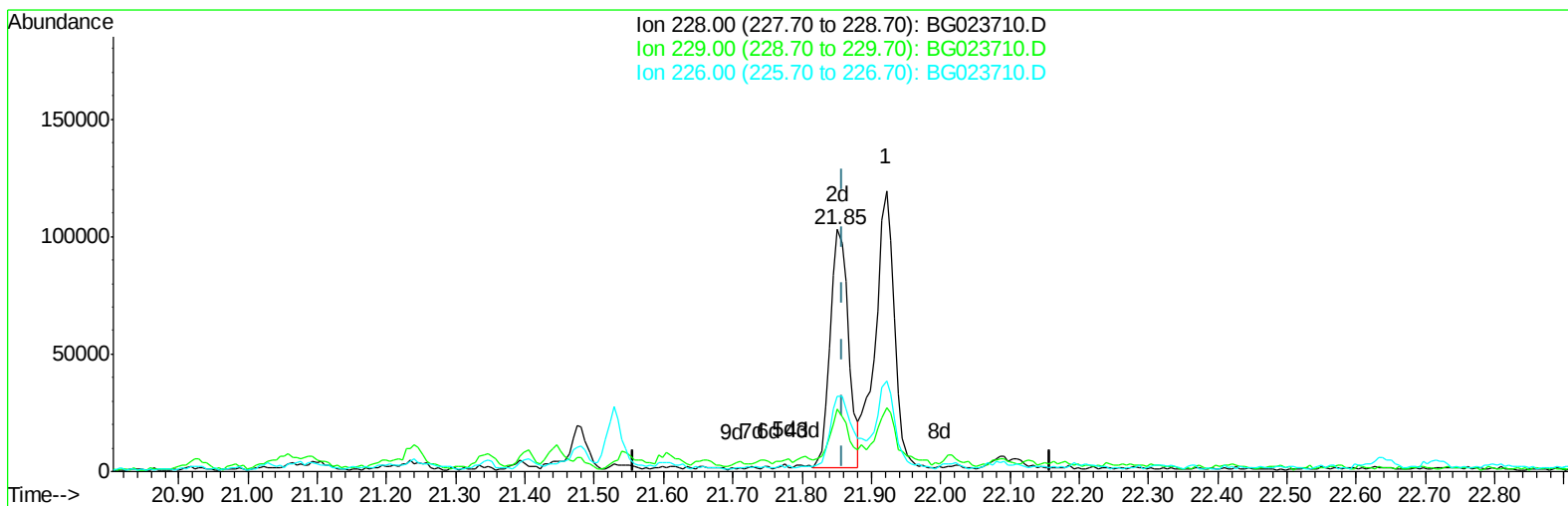
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(80) Benzo(a)anthracene

21.851min (-0.007) 4.64ng/ul m

response 187019

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	25.66#
226.00	28.50	31.03
0.00	0.00	0.00

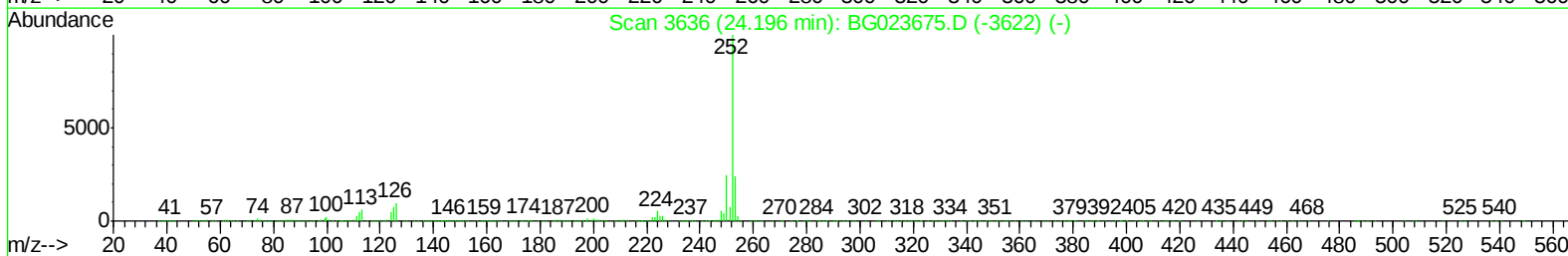
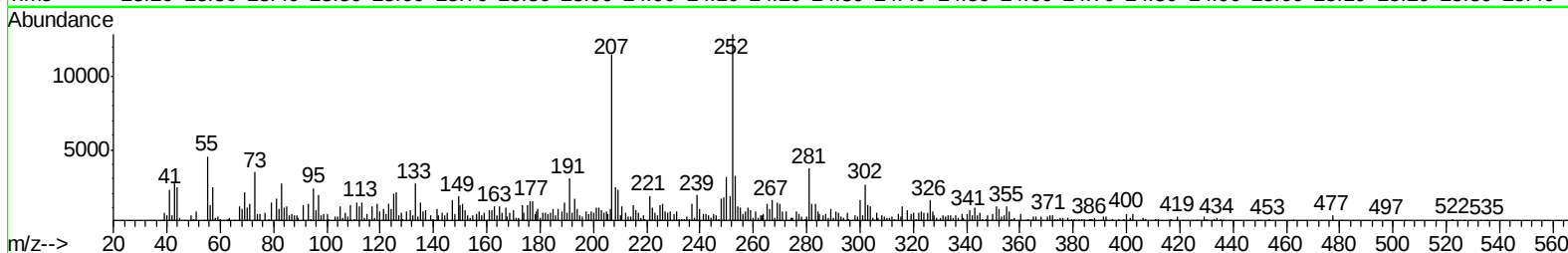
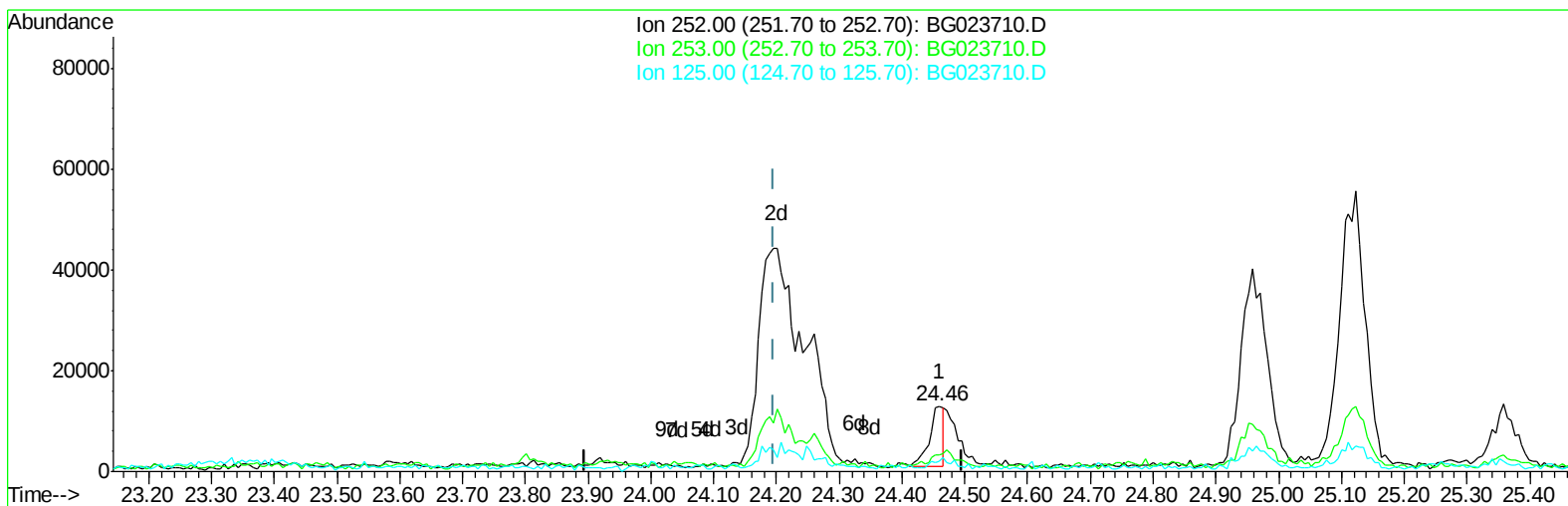
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(85) Benzo(b)fluoranthene

24.459min (+0.263) 0.47ng/ul

response 18902

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	24.59
125.00	13.50	15.14
0.00	0.00	0.00

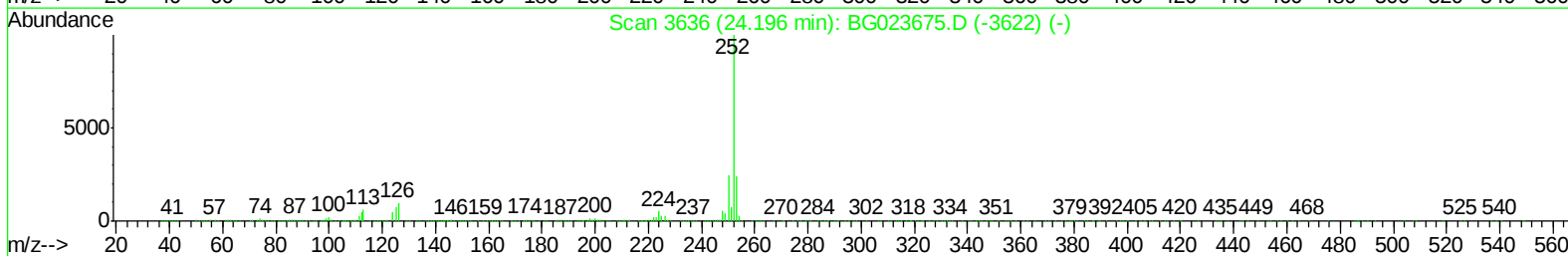
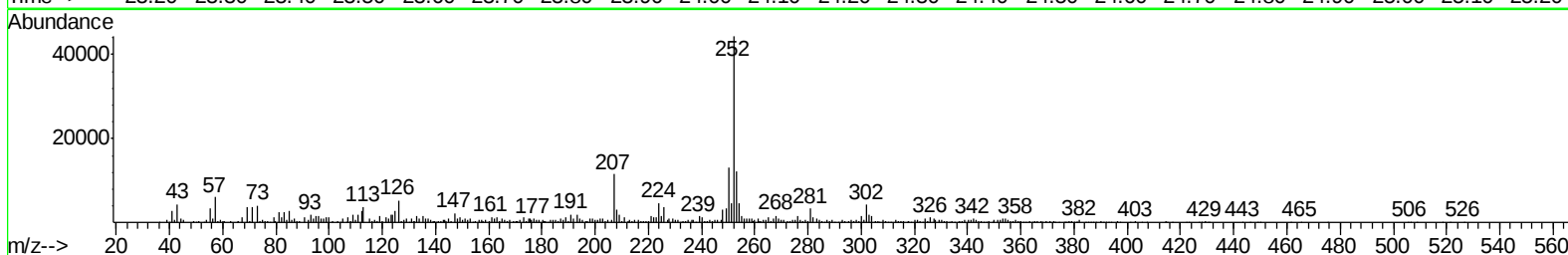
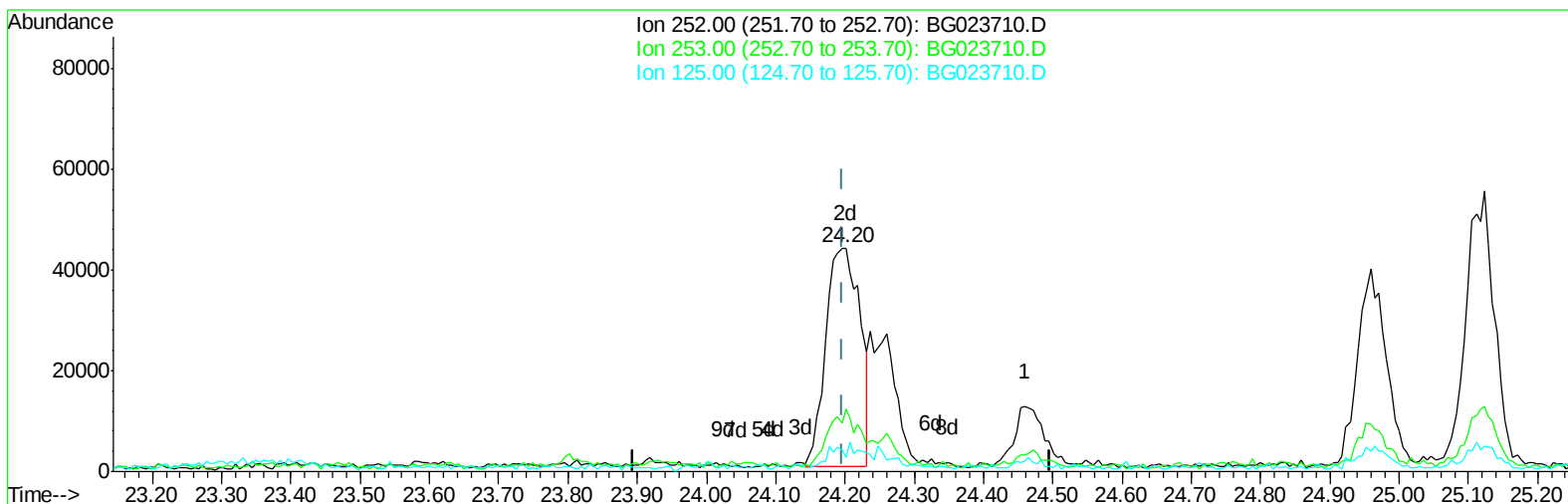
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(85) Benzo(b)fluoranthene

24.201min (+0.005) 3.63ng/ul m

response 147595

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	27.95#
125.00	13.50	6.45#
0.00	0.00	0.00

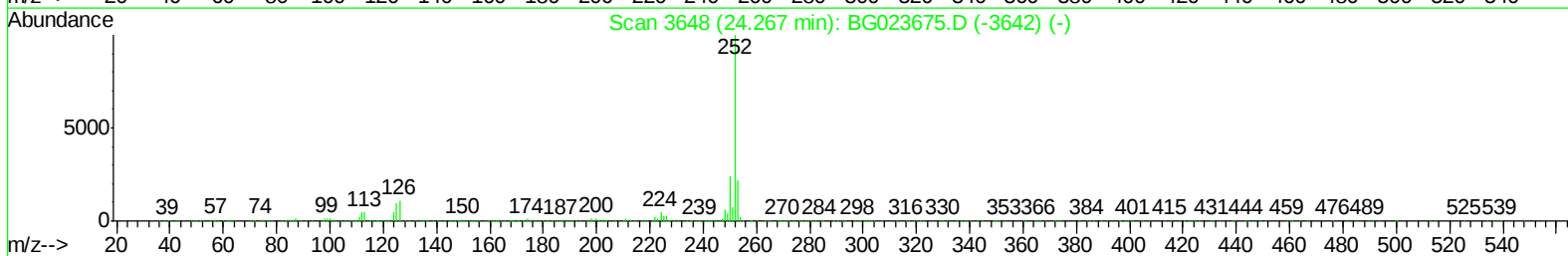
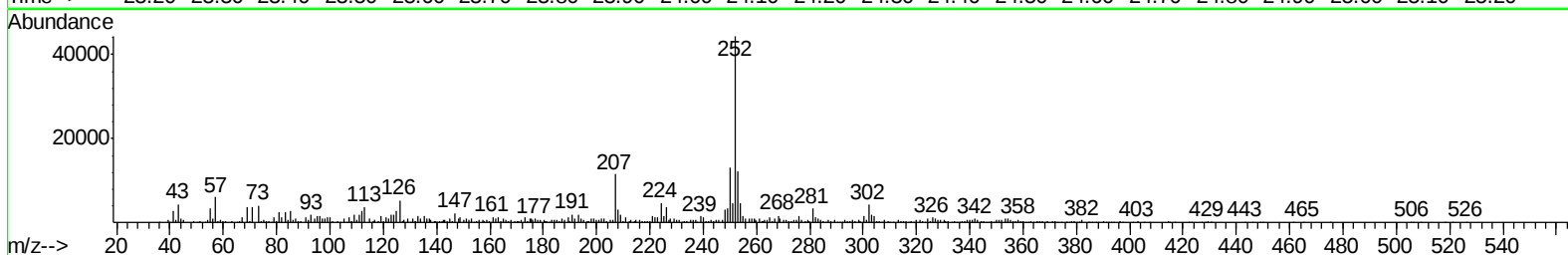
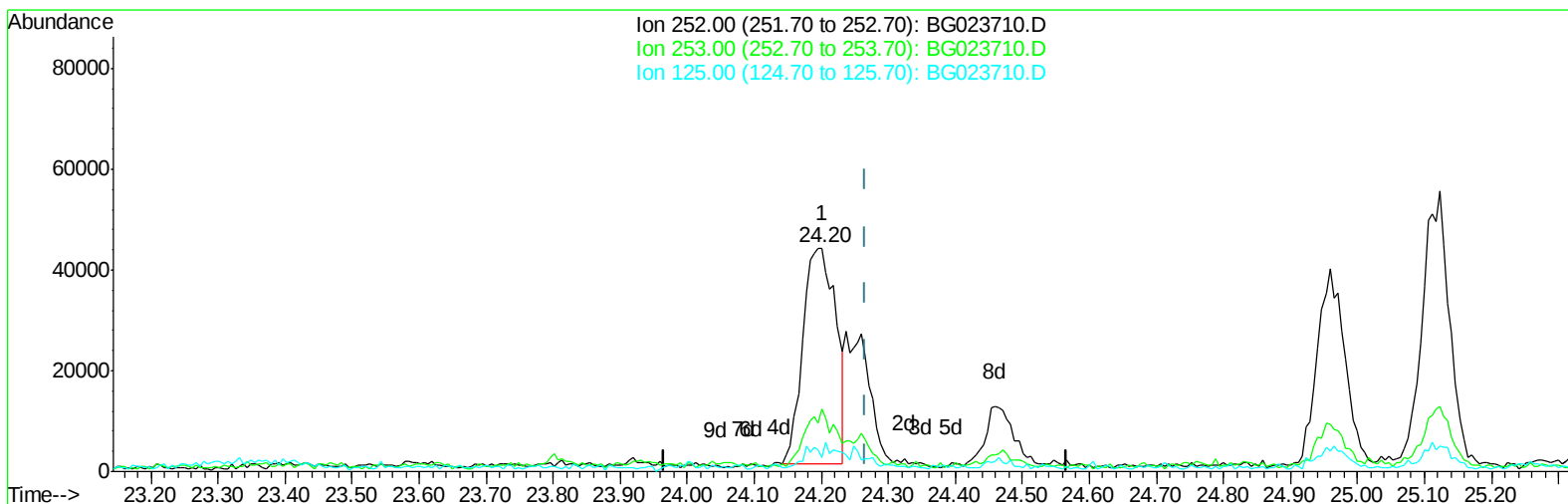
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(86) Benzo(k)fluoranthene

24.201min (-0.066) 3.65ng/ul

response 145782

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	27.95#
125.00	13.30	6.45#
0.00	0.00	0.00

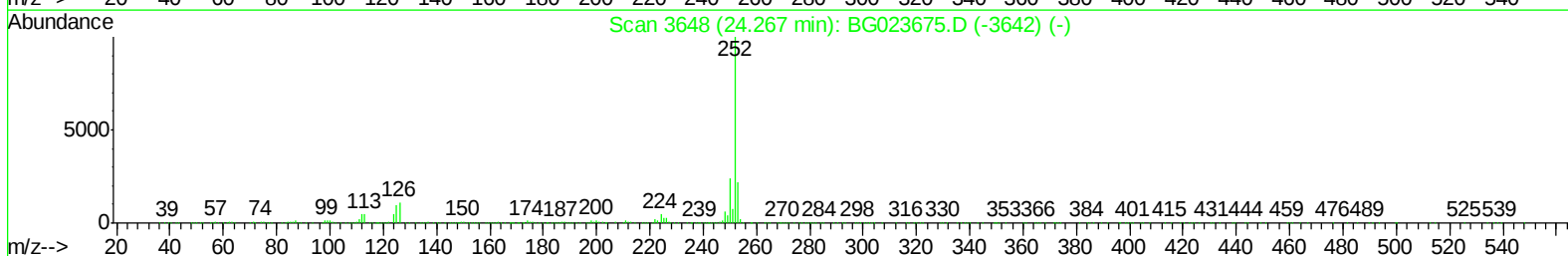
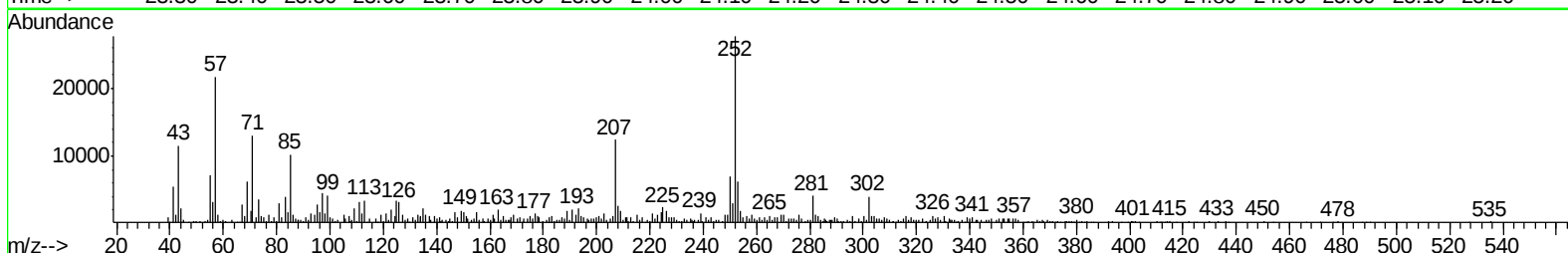
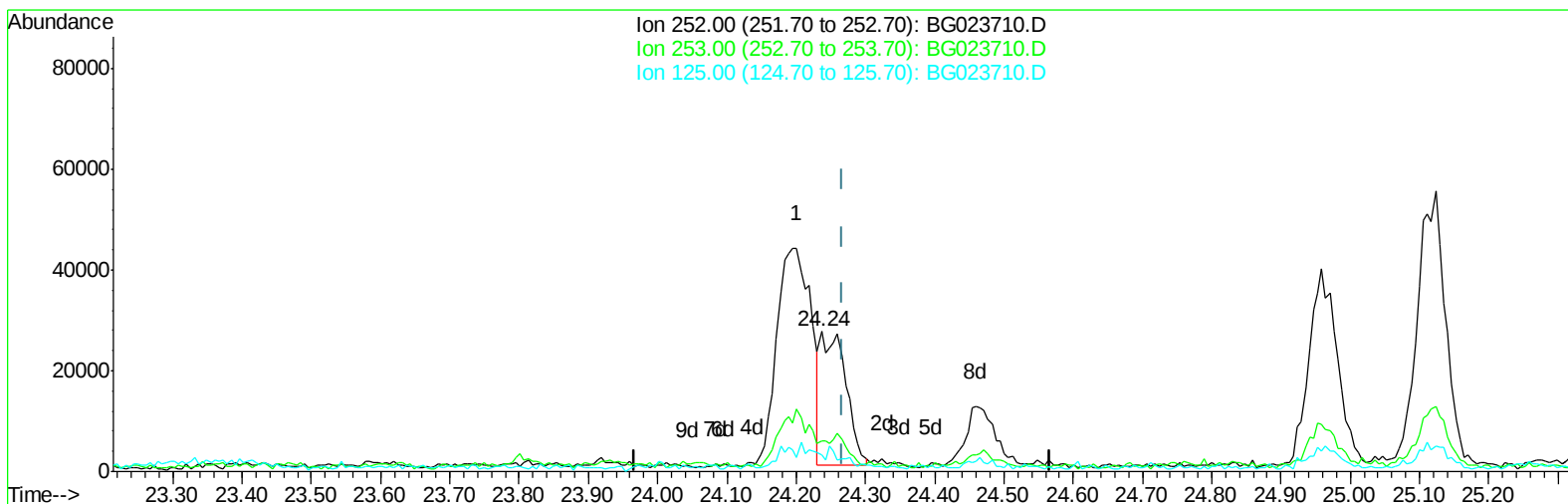
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(86) Benzo(k)fluoranthene

24.236min (-0.030) 1.65ng/ul m

response 65902

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	22.13
125.00	13.30	12.19
0.00	0.00	0.00

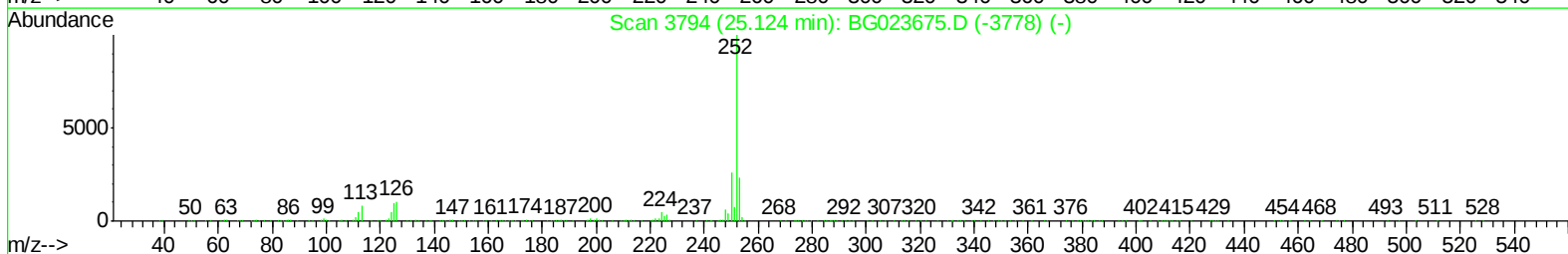
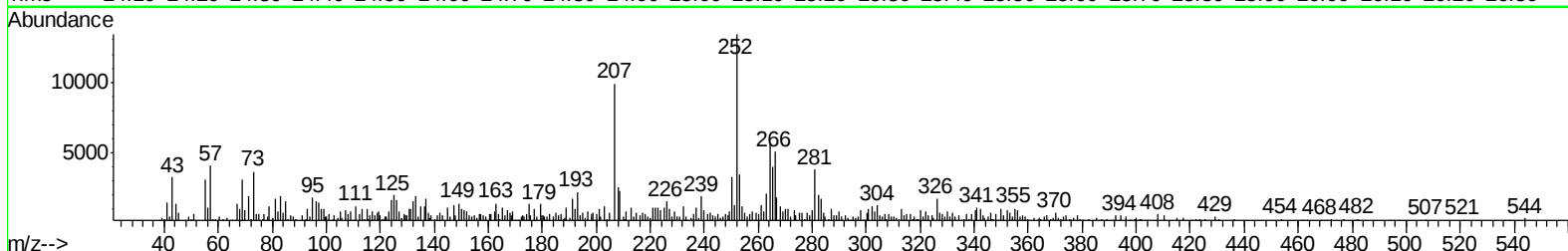
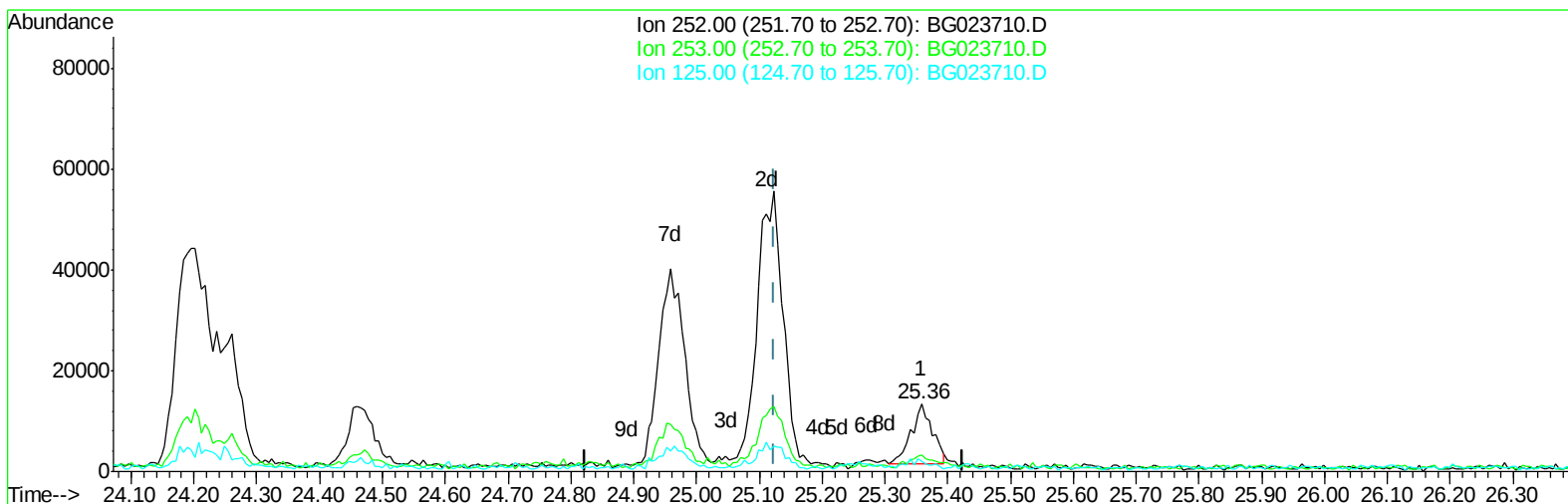
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

(88) Benzo(a)pyrene (C)

25.358min (+0.234) 0.71ng/ul

response 27960

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	25.30
125.00	15.00	14.50
0.00	0.00	0.00

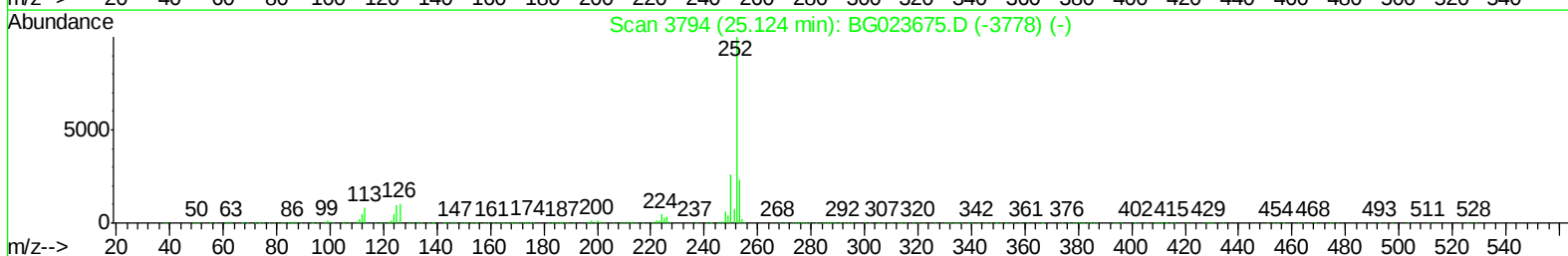
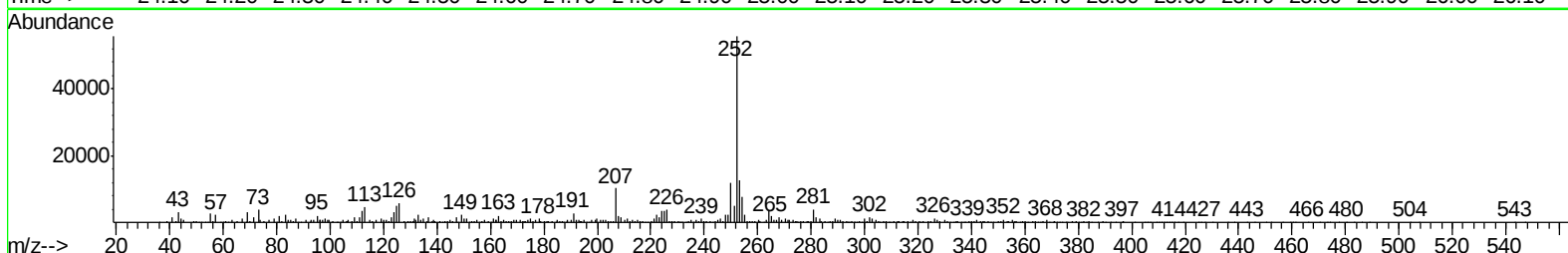
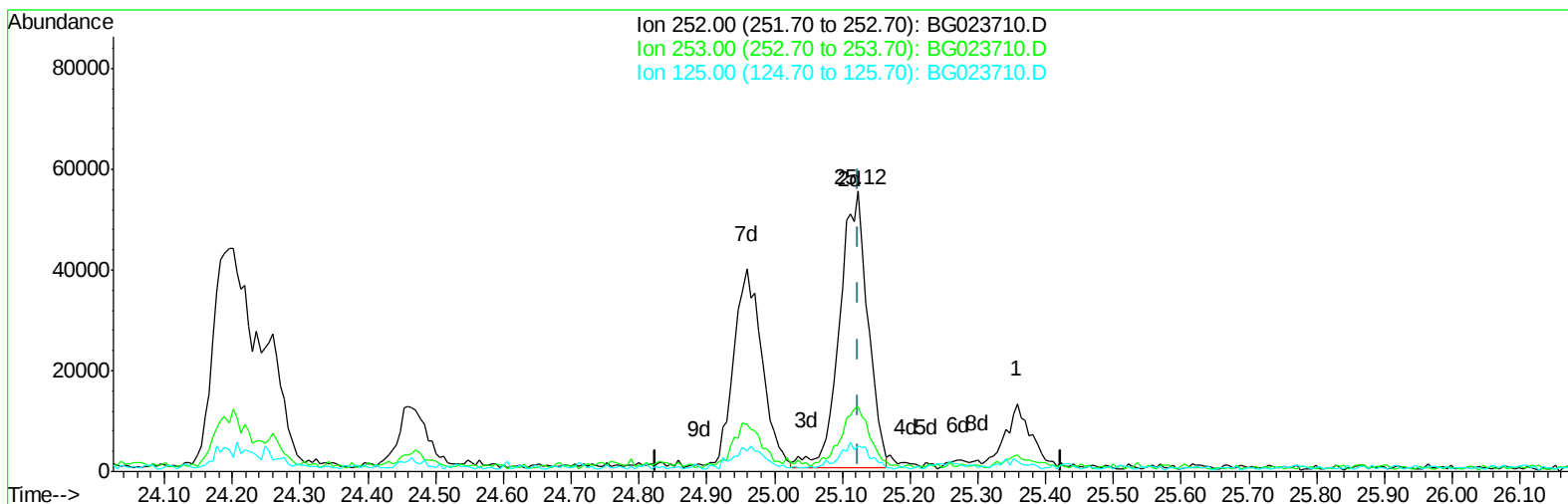
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Quant Time: Aug 16 11:29:52 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

Manual Integrations
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TIC: BG023710.D

(88) Benzo(a)pyrene (C)

25.123min (-0.001) 4.05ng/ul m

response 158728

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.07
125.00	15.00	9.30#
0.00	0.00	0.00

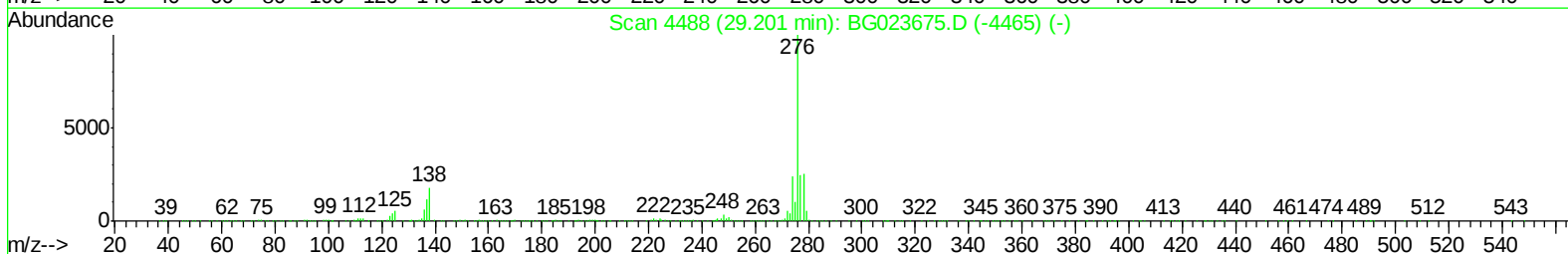
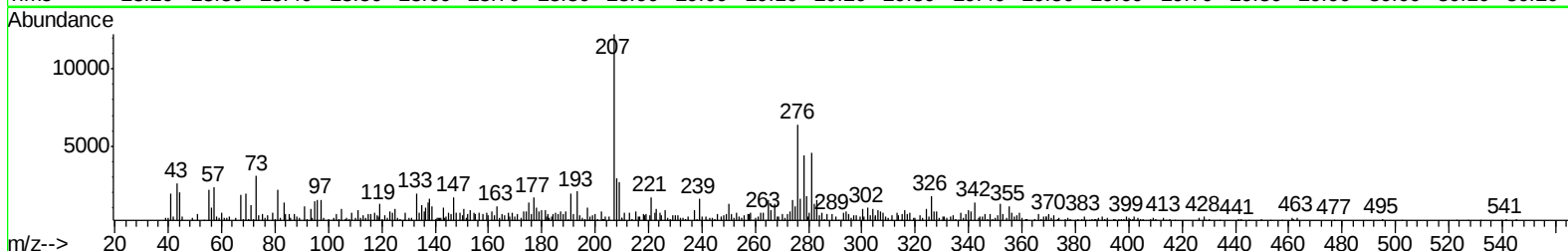
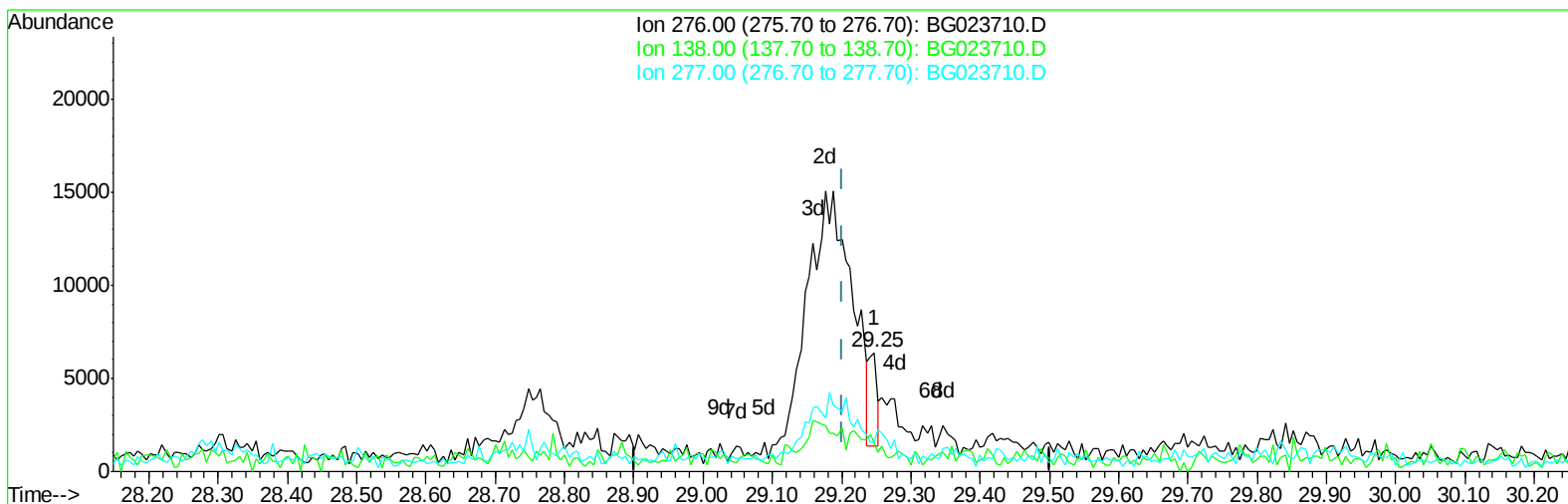
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

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

29.247min (+0.046) 0.09ng/ul

response 4263

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	25.12
277.00	22.00	24.85
0.00	0.00	0.00

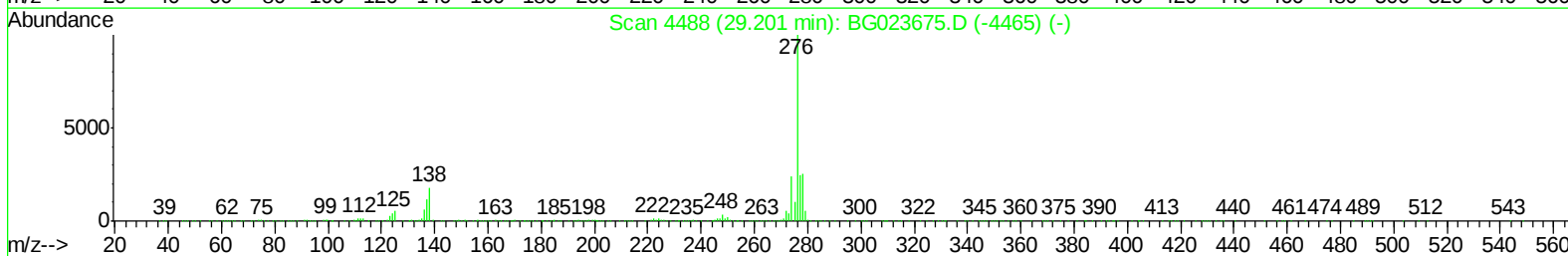
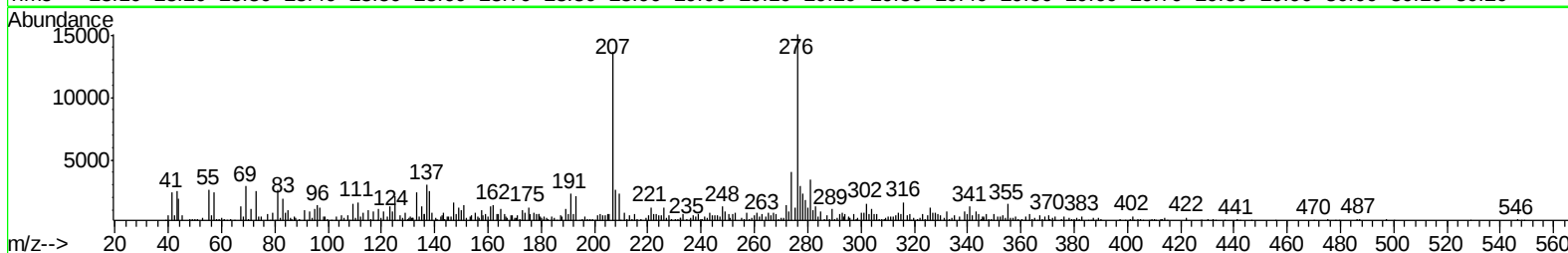
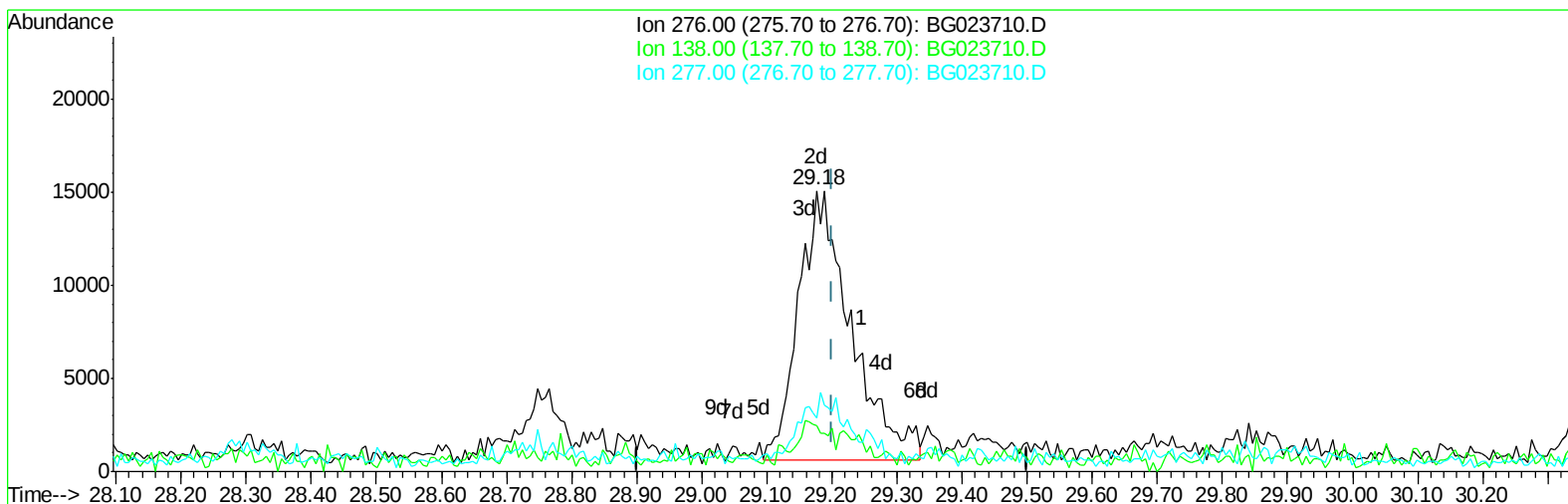
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
 Data File : BG023710.D
 Acq On : 14 Aug 2016 5:11
 Operator : UM/SJ
 Sample : H4388-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR002-SS001-2430-01

Manual Integrations
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Quant Time: Aug 16 11:29:52 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: BG023710.D

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

29.177min (-0.025) 1.77ng/ul m

response 81384

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	16.57#
277.00	22.00	19.13
0.00	0.00	0.00

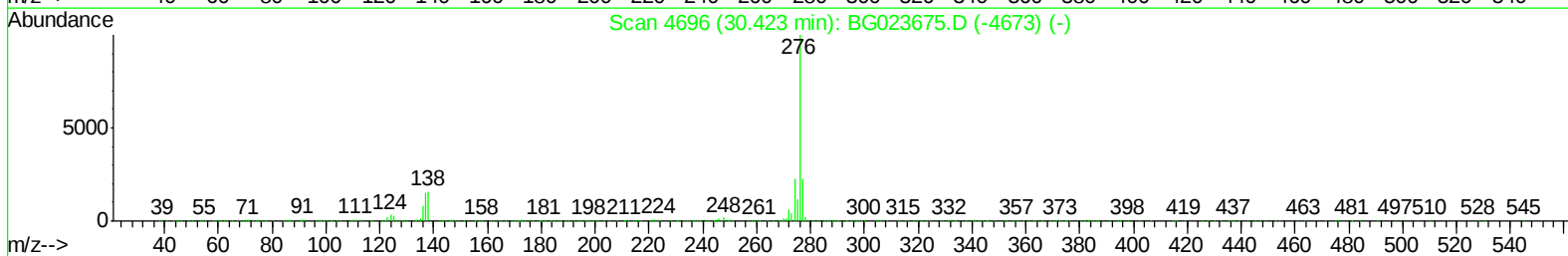
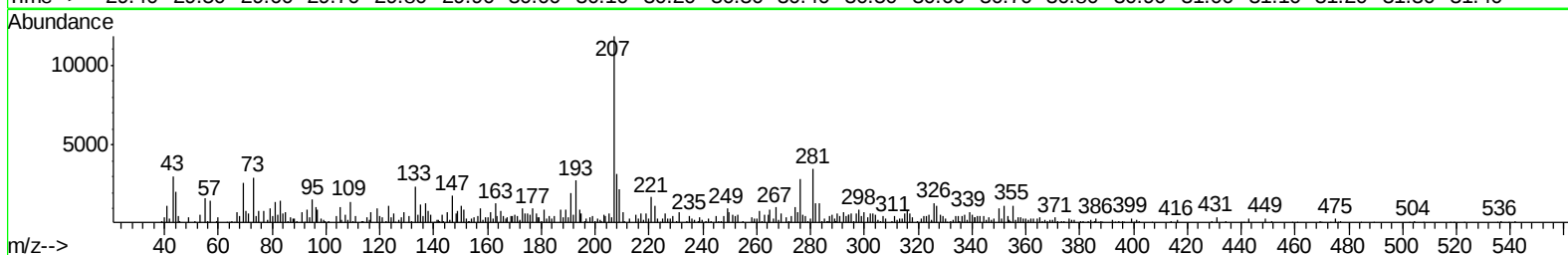
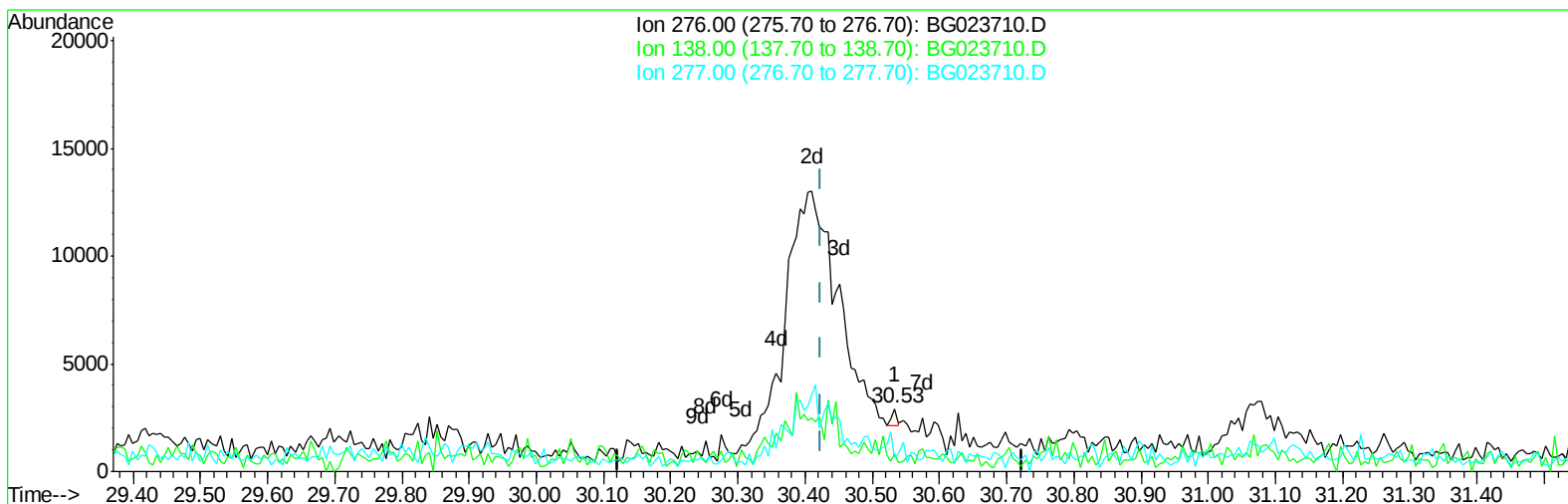
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Quant Time: Aug 16 11:29:52 2016
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
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Manual Integrations
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TIC: BG023710.D

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

30.534min (+0.111) 0.01ng/ul

response 430

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	29.50
277.00	21.20	22.11
0.00	0.00	0.00

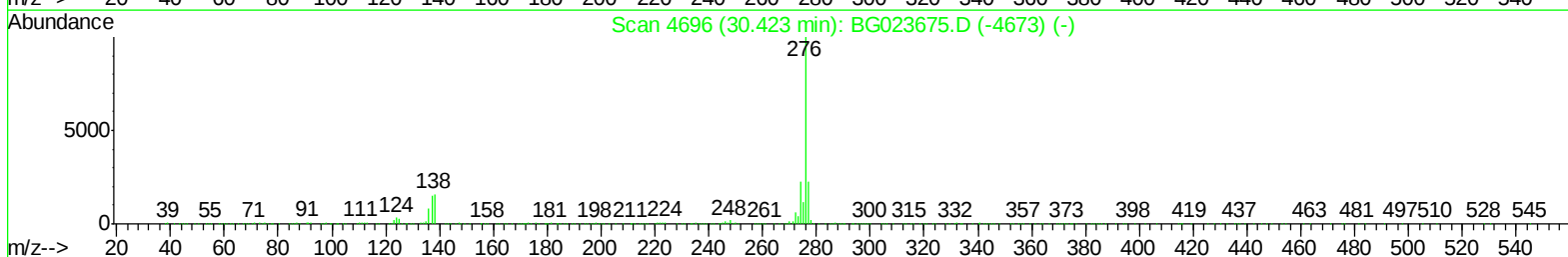
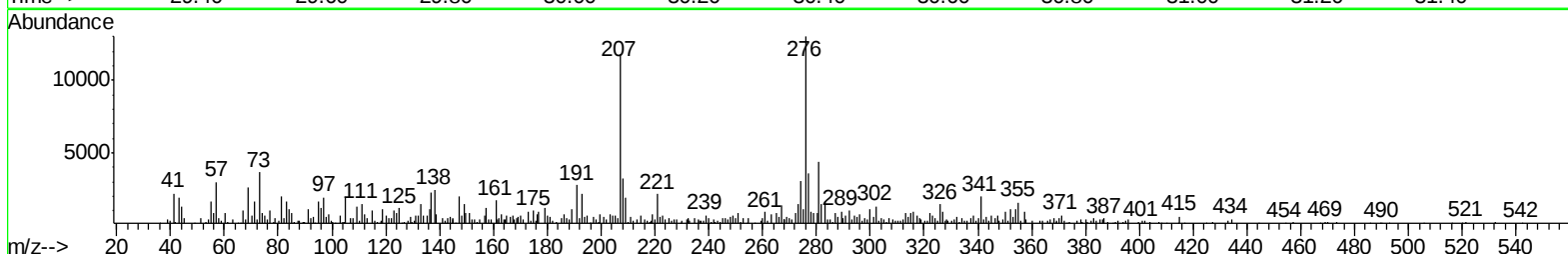
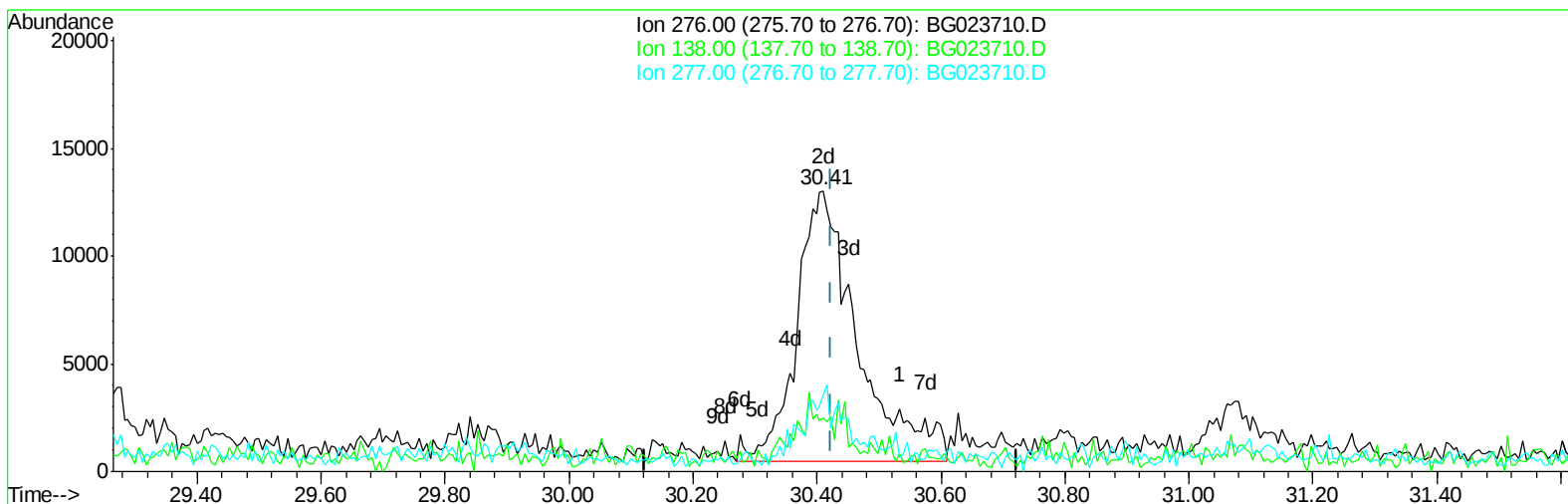
Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
Data File : BG023710.D
Acq On : 14 Aug 2016 5:11
Operator : UM/SJ
Sample : H4388-02
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-01

Quant Time: Aug 16 11:29:52 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

Manual Integrations
APPROVED

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TIC: BG023710.D

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

30.410min (-0.013) 2.26ng/ul m

response 86368

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	19.09#
277.00	21.20	27.50#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\Data\BG081316\
 Data File : BG023710.D
 Acq On : 14 Aug 2016 5:11
 Operator : UM/SJ
 Sample : H4388-02
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR002-SS001-2430-01

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:19 PM

Quant Time: Aug 16 11:37:05 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	122776	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	540386	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	328687	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	695213	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	716065	20.00	ng/ul	0.00
83) Perylene-d12	25.28	264	713942	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	8724	3.02	ng/uL	0.00
5) Phenol-d5	7.27	99	233235	18.86	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	162415	20.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	166522	19.74	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	154584	16.01	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	92966m	21.83	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	109914	22.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	180627	19.57	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	180777	16.70	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	604916	22.48	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	715292	23.62	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	77915	16.96	ng/ul	0.01
57) Fluorene-d10	15.78	176	524716	21.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	77014	17.27	ng/ul	0.00
70) Anthracene-d10	17.65	188	715364	22.84	ng/ul	0.00
76) Pyrene-d10	19.94	212	784529	21.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	762314	23.59	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.29	94	18697	1.45	ng/ul#	55
44) Dimethylphthalate	14.23	163	401521	15.07	ng/ul	99
47) Acenaphthylene	14.51	152	36359	1.15	ng/ul#	93
69) Phenanthrene	17.59	178	206499	5.74	ng/ul	99
74) Fluoranthene	19.61	202	260271	7.06	ng/ul#	90
77) Pyrene	19.97	202	469725	10.61	ng/ul#	90
80) Benzo(a)anthracene	21.85	228	187019m	4.64	ng/ul	
82) Chrysene	21.92	228	227220	6.20	ng/ul#	94
85) Benzo(b)fluoranthene	24.20	252	147595m	3.63	ng/ul	
86) Benzo(k)fluoranthene	24.24	252	65902m	1.65	ng/ul	
88) Benzo(a)pyrene	25.12	252	158728m	4.05	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.18	276	81384m	1.77	ng/ul	
91) Benzo(g,h,i)perylene	30.41	276	86368m	2.26	ng/ul	

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

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