

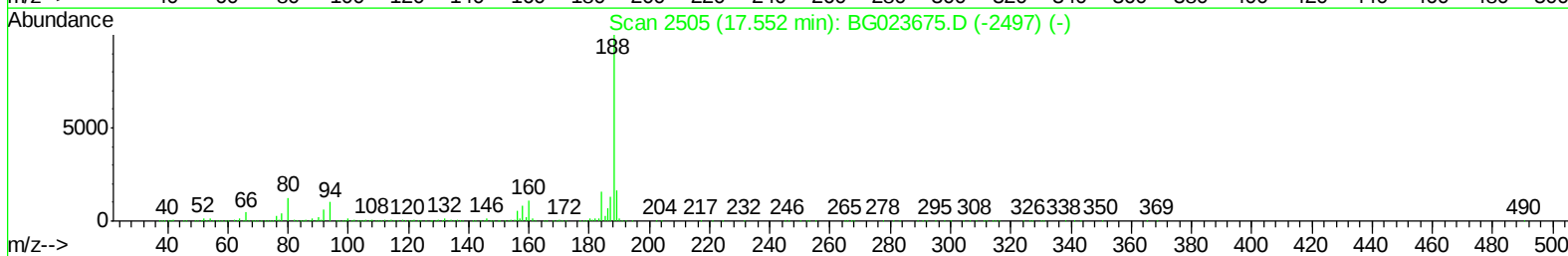
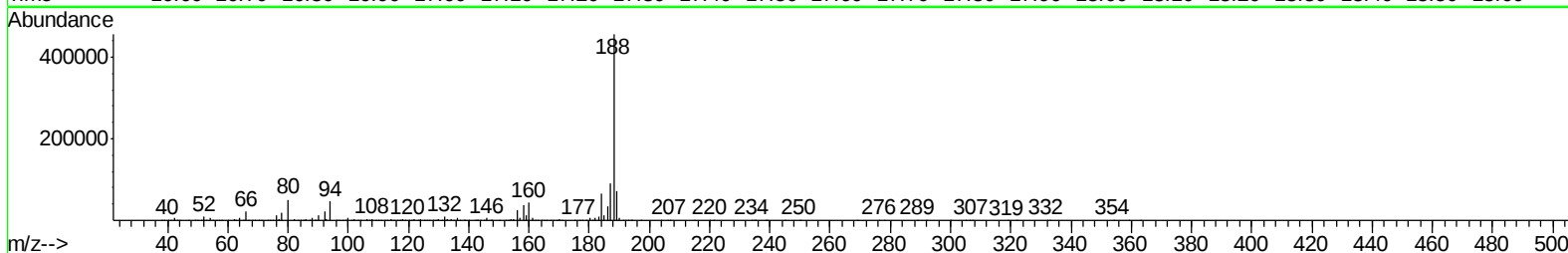
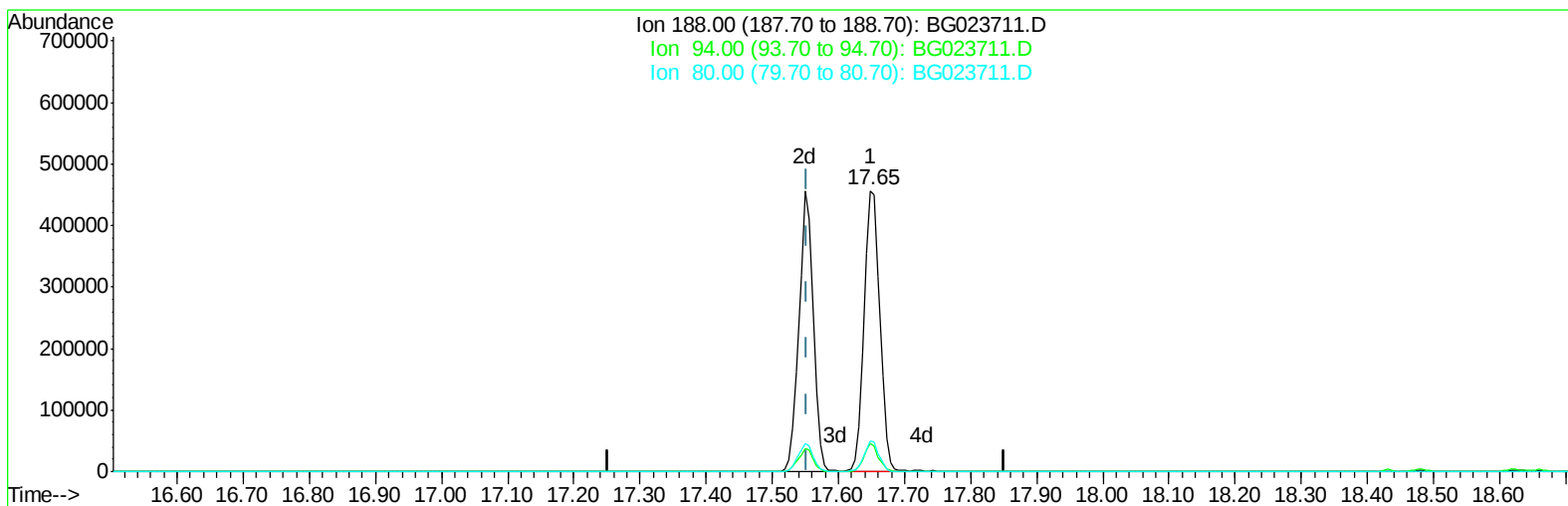
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:38:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(61) Phenanthrene-d10 (I)

17.649min (+0.097) 20.00ng/ul

response 740808

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	10.22
80.00	10.90	11.14
0.00	0.00	0.00

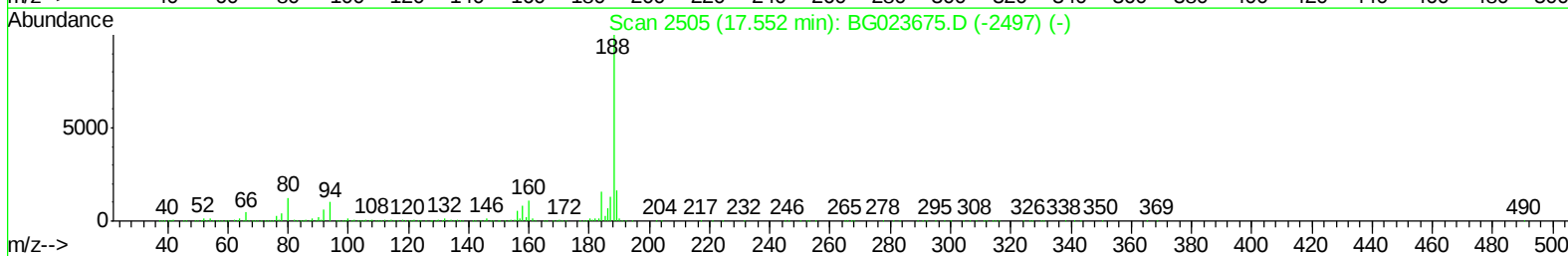
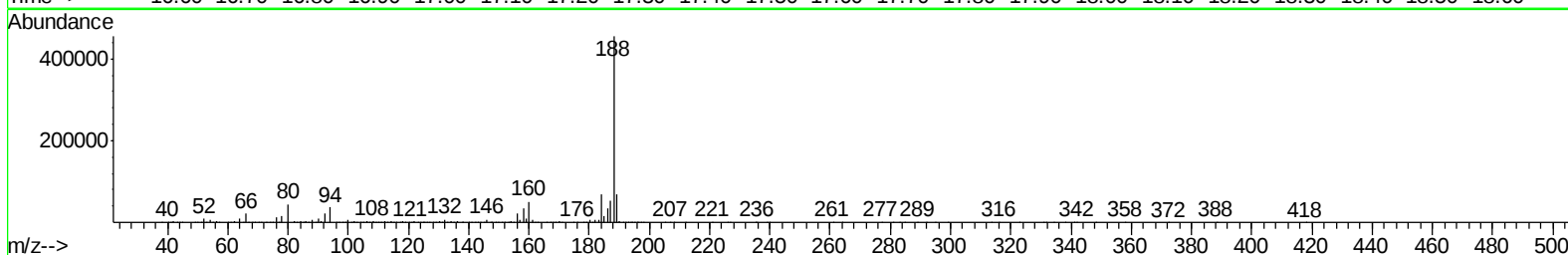
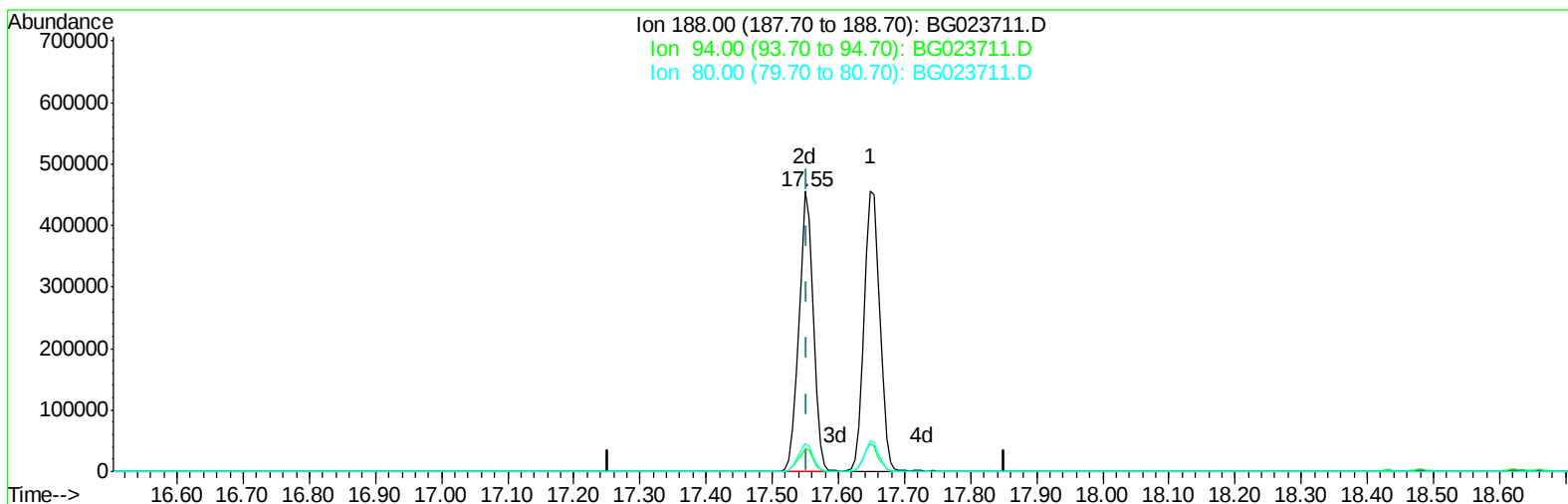
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:38:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(61) Phenanthrene-d10 (I)

17.549min (-0.003) 20.00ng/ul m

response 669017

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	8.12#
80.00	10.90	9.92
0.00	0.00	0.00

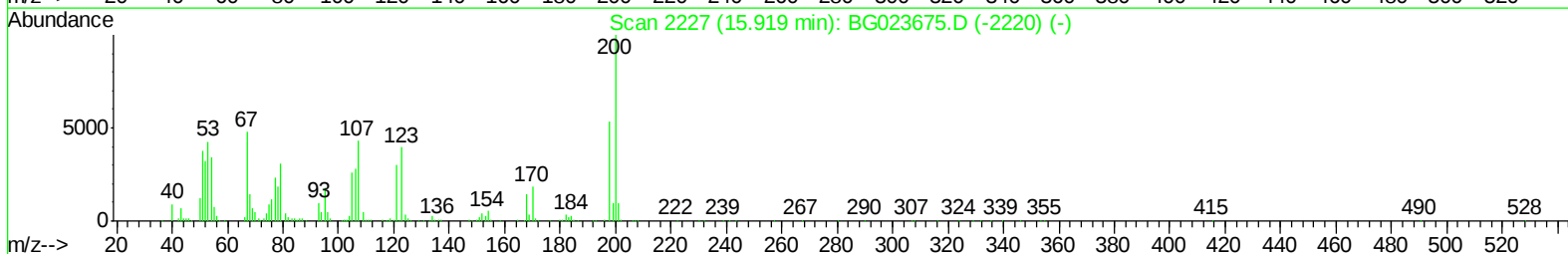
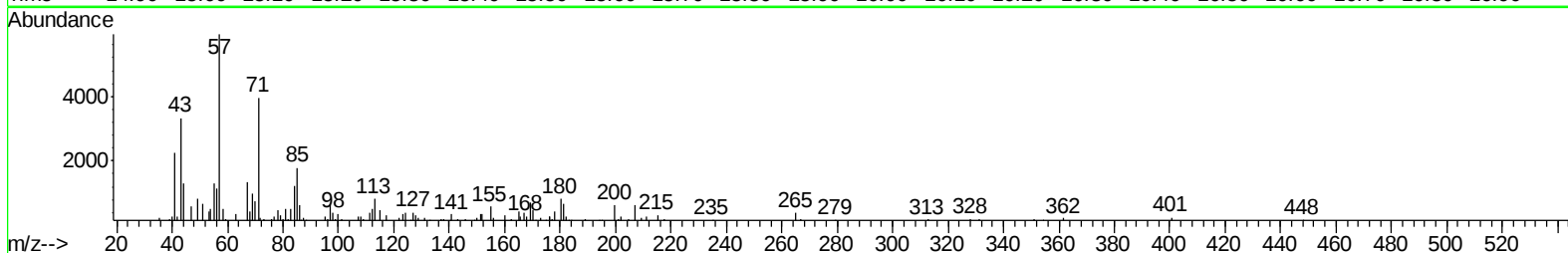
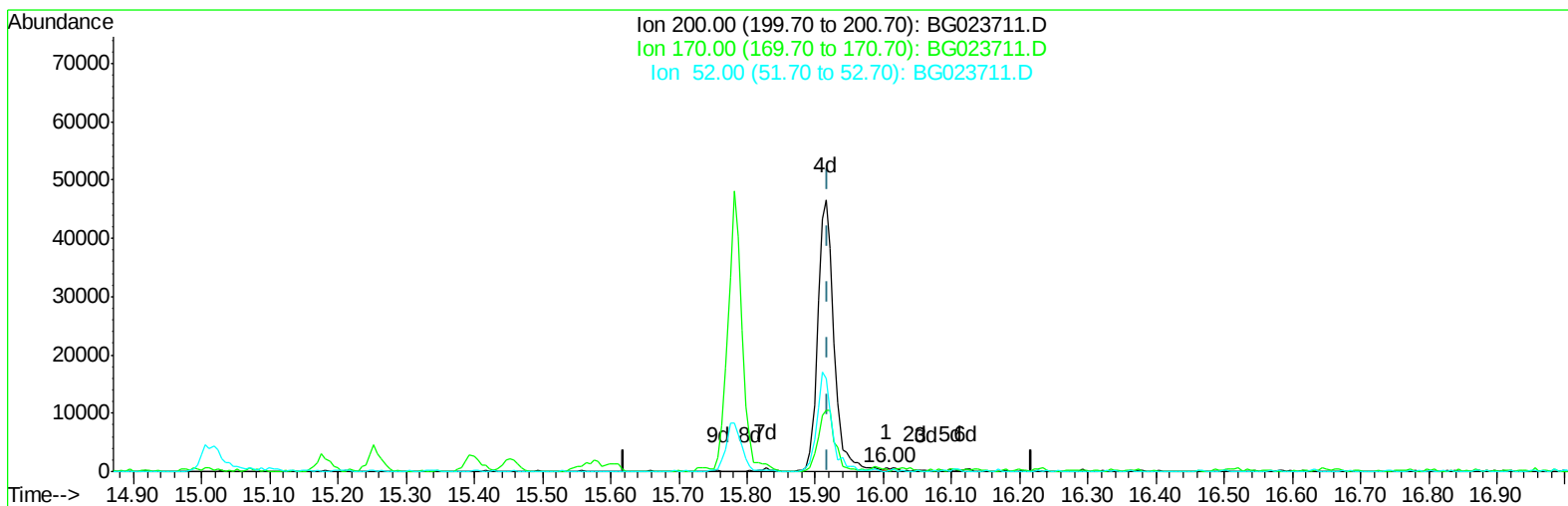
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
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Quant Time: Aug 15 19:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

16.004min (+0.085) 0.04ng/ul

response 188

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	72.30#
52.00	32.20	0.00#
0.00	0.00	0.00

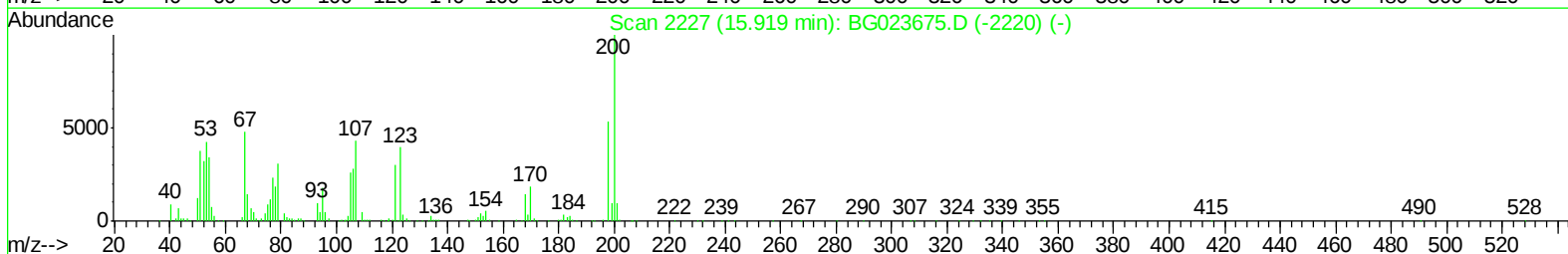
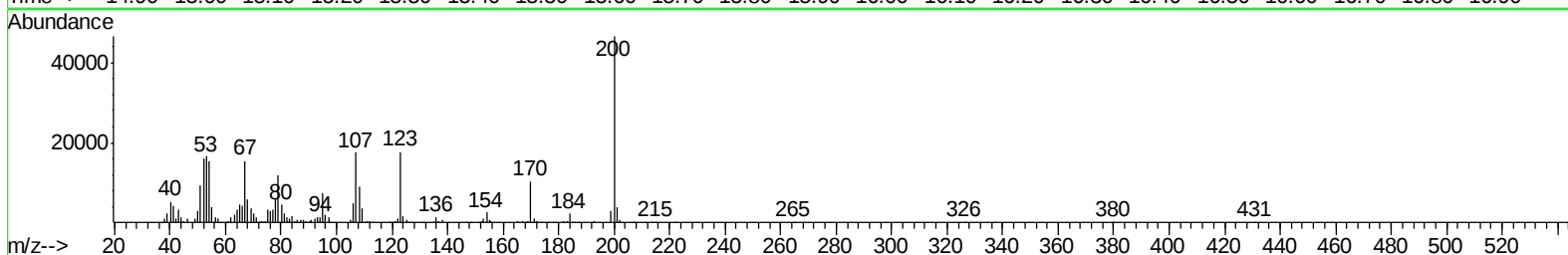
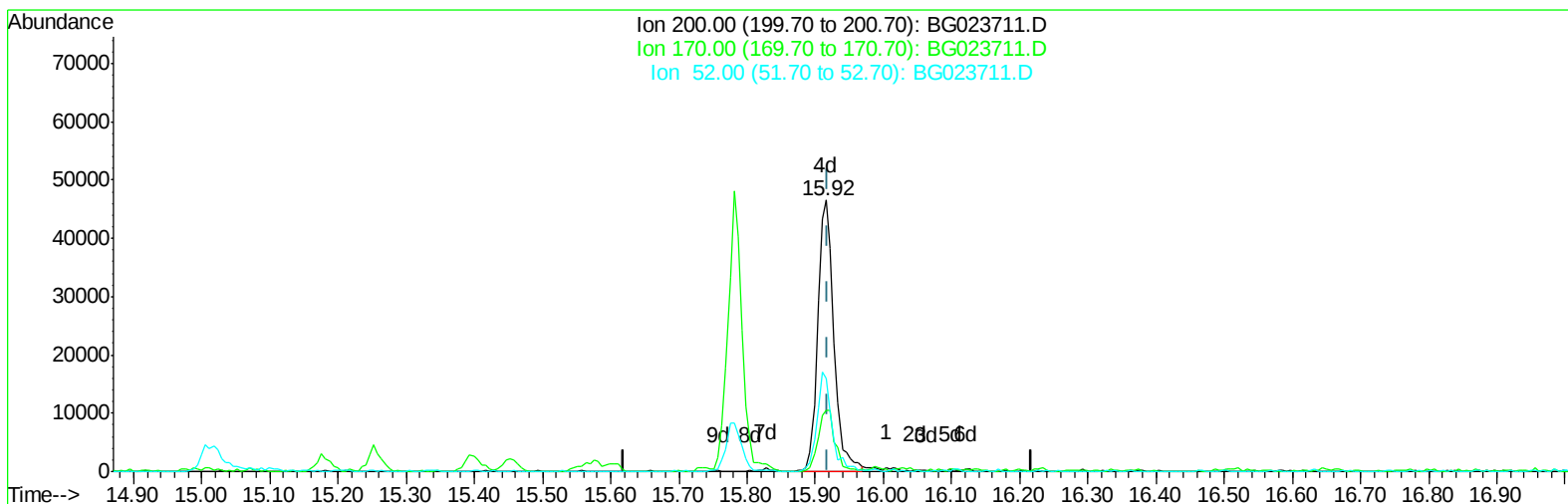
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
 Data File : BG023711.D
 Acq On : 14 Aug 2016 5:49
 Operator : UM/SJ
 Sample : H4388-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR002-SS001-2430-02

Manual Integrations
 APPROVED

umangi
 8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:40:01 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration



TIC: BG023711.D

(62) 4,6-Dinitro-2-methylphenol-d2 (S)

15.916min (-0.003) 18.09ng/ul m

response 77651

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	22.45#
52.00	32.20	34.16
0.00	0.00	0.00

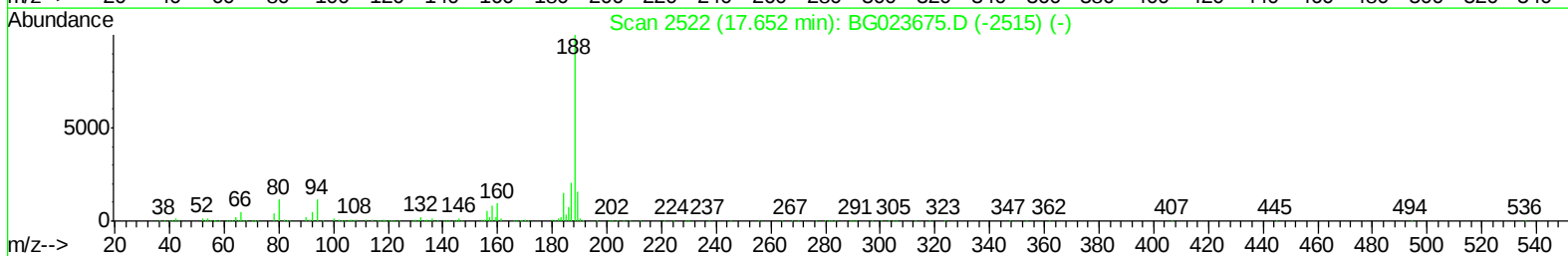
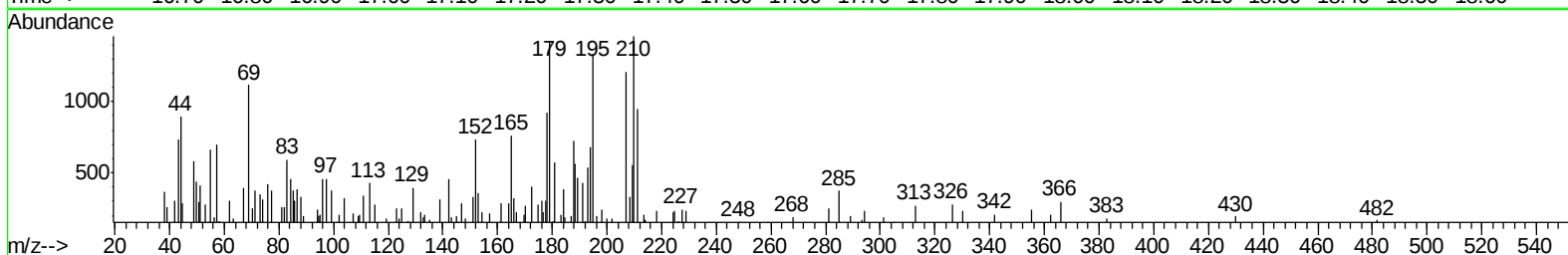
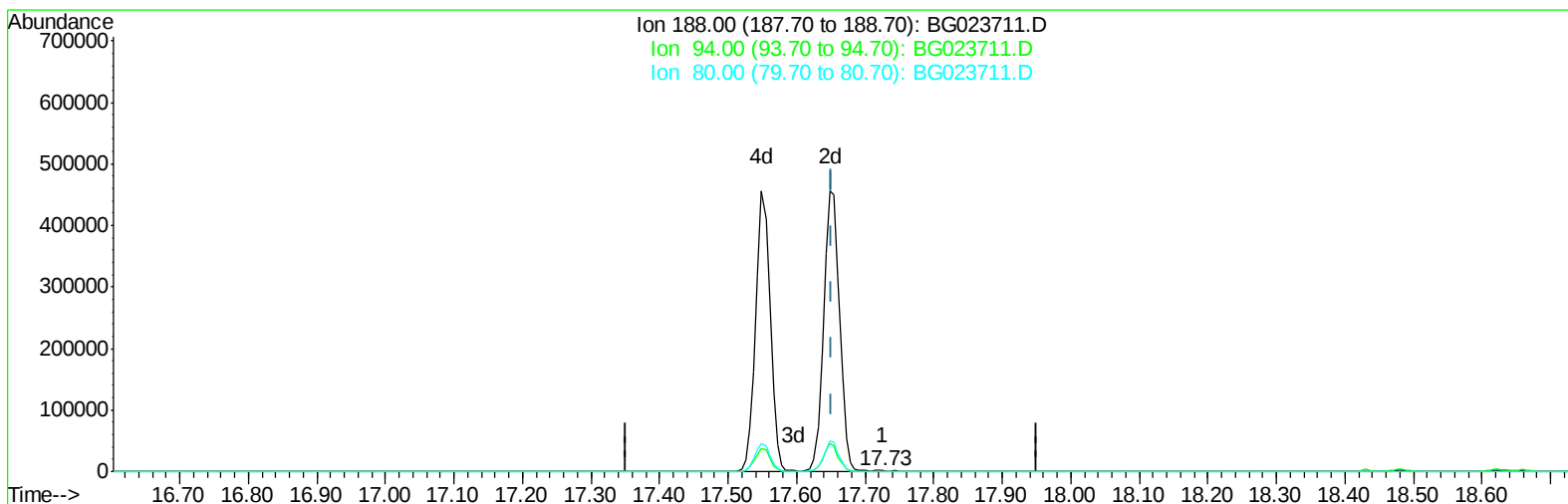
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(70) Anthracene-d10 (S)

17.725min (+0.073) 0.04ng/ul

response 1087

Ion	Exp%	Act%
188.00	100	100
94.00	12.80	18.33#
80.00	11.90	0.00#
0.00	0.00	0.00

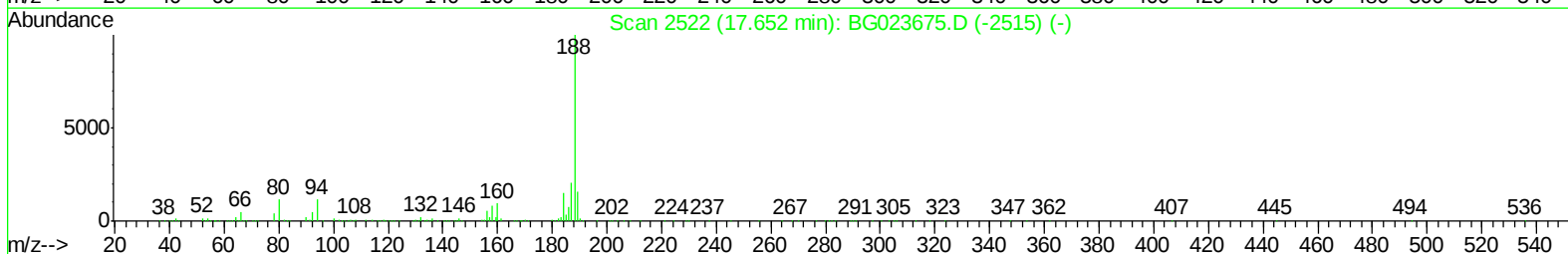
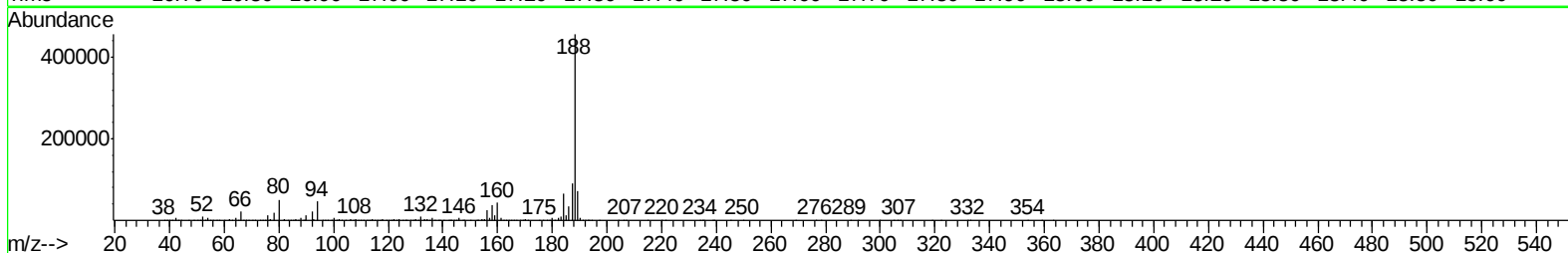
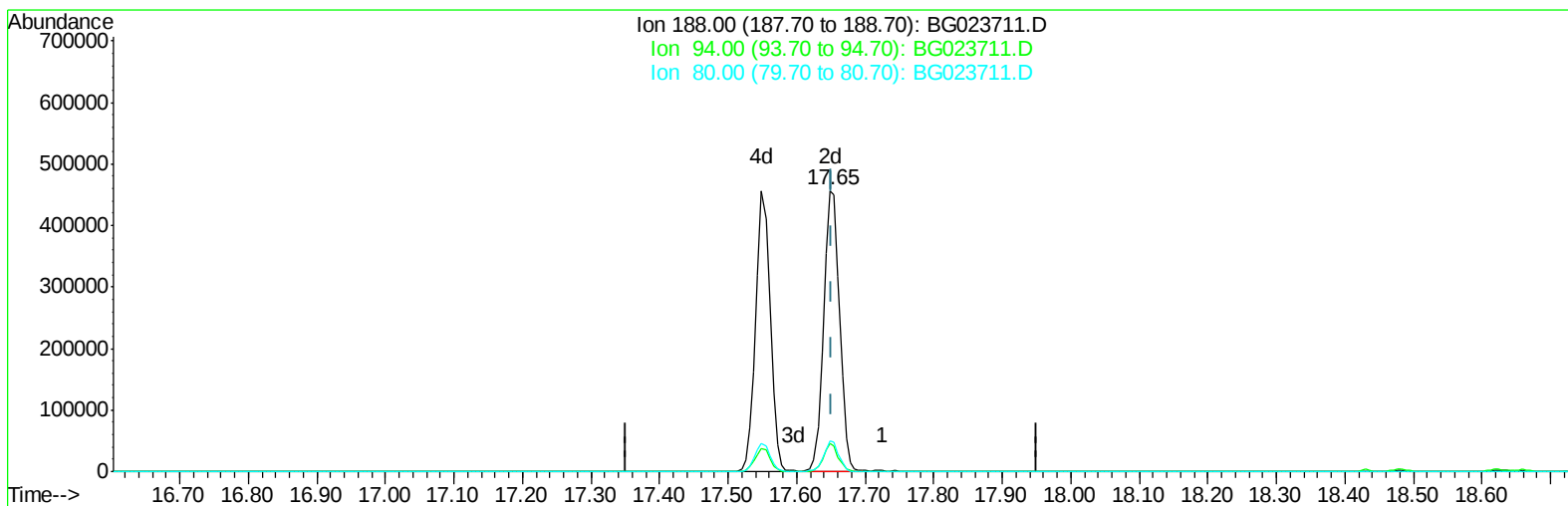
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
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Quant Time: Aug 15 19:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(70) Anthracene-d10 (S)

17.649min (-0.003) 24.58ng/ul m

response 741004

Ion	Exp%	Act%
188.00	100	100
94.00	12.80	10.22#
80.00	11.90	11.14
0.00	0.00	0.00

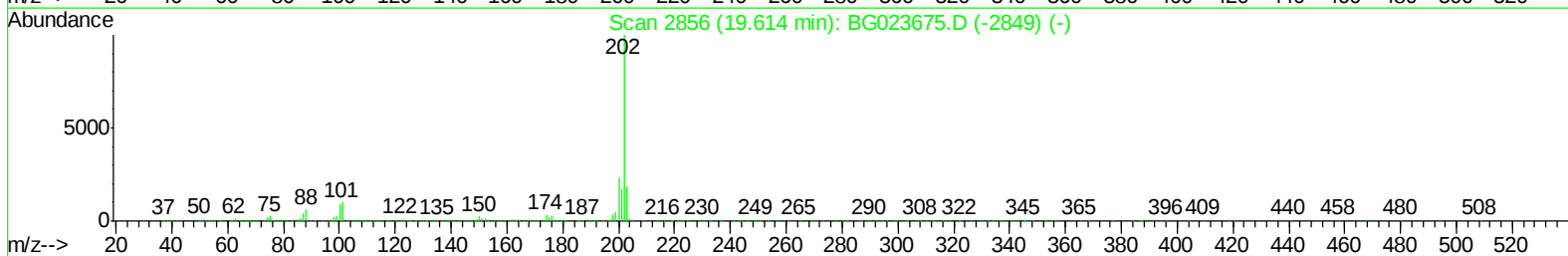
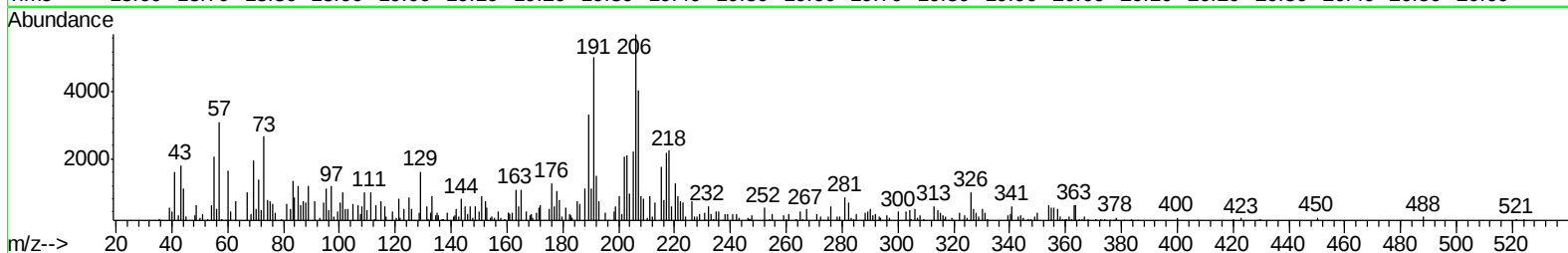
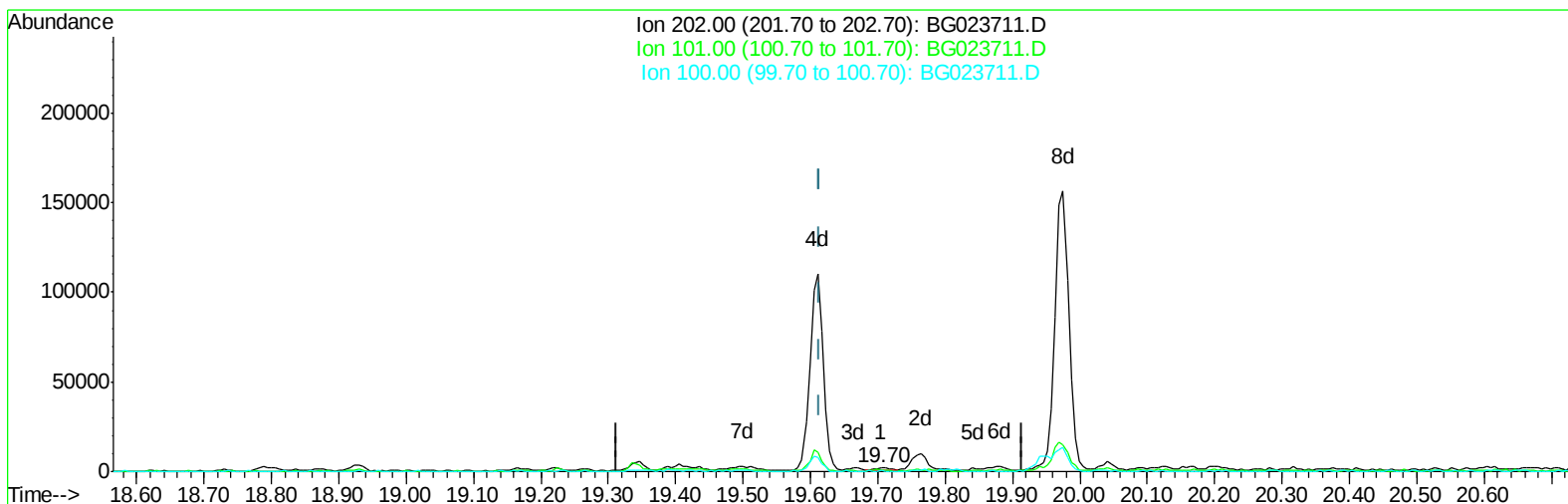
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Quant Time: Aug 15 19:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration

Manual Integrations
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TIC: BG023711.D

(74) Fluoranthene (C)

19.705min (+0.091) 0.07ng/ul

response 2563

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	48.68#
100.00	10.90	33.66#
0.00	0.00	0.00

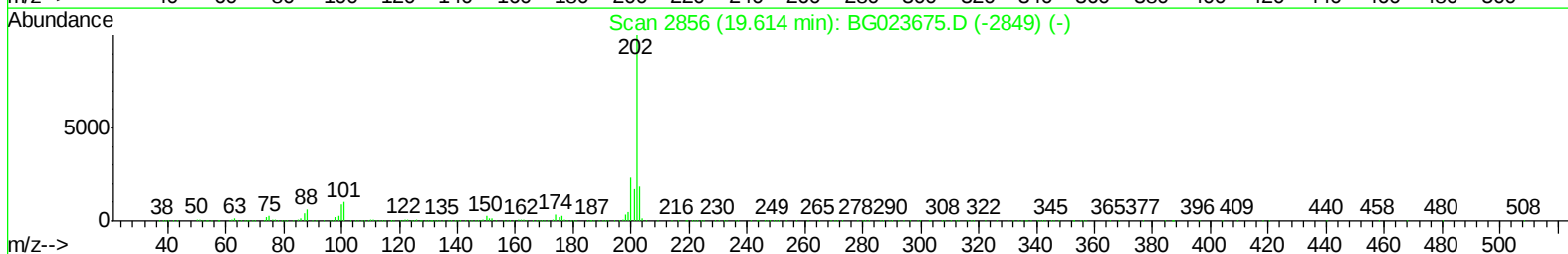
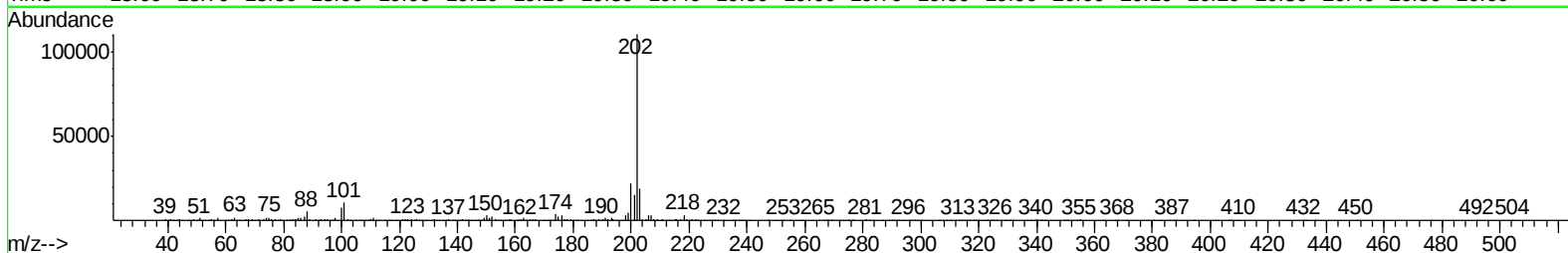
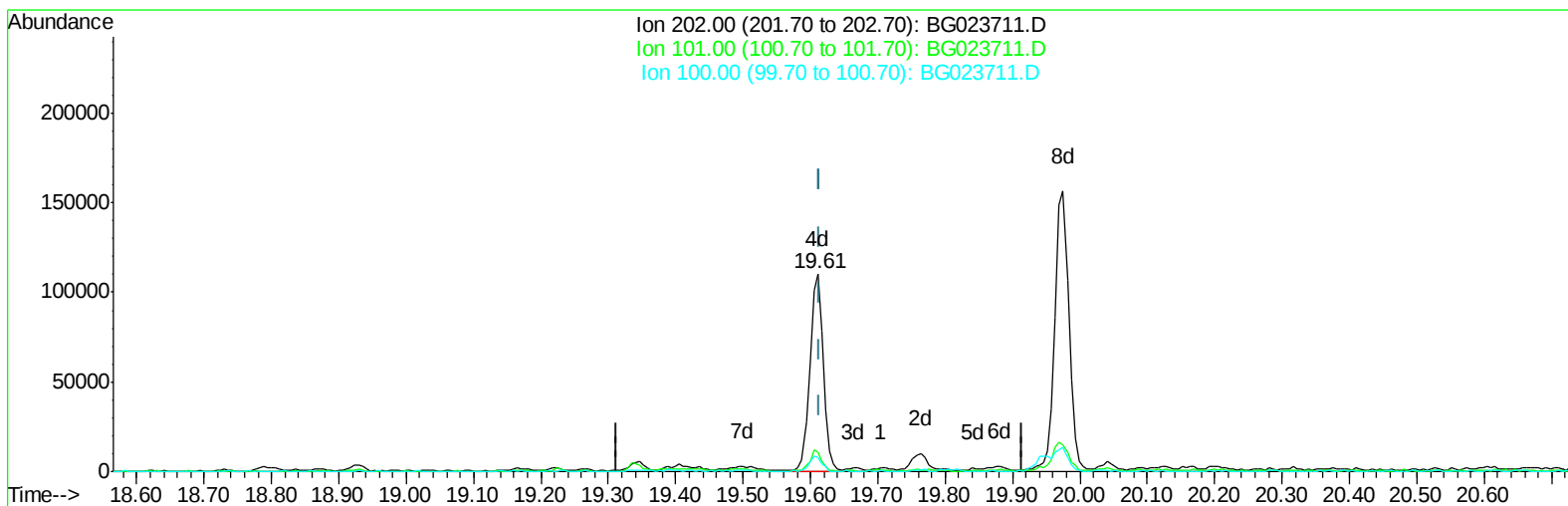
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
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Quant Time: Aug 15 19:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(74) Fluoranthene (C)

19.611min (-0.003) 4.37ng/ul m

response 154932

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	9.49#
100.00	10.90	7.28#
0.00	0.00	0.00

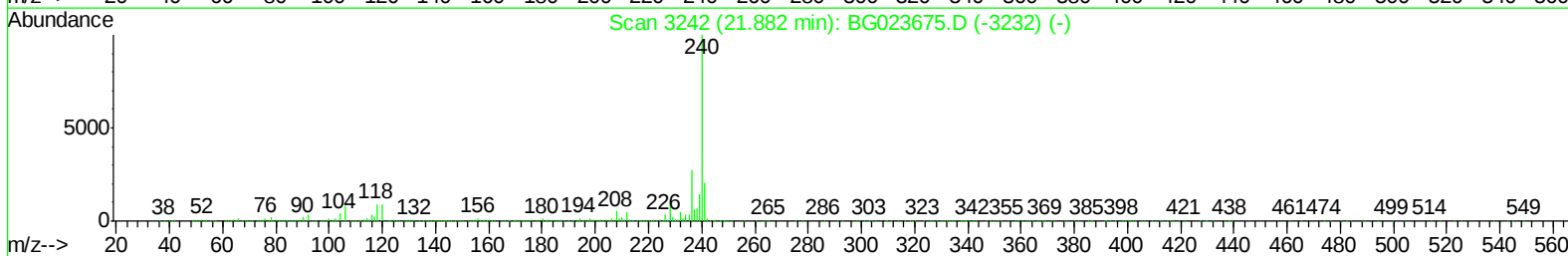
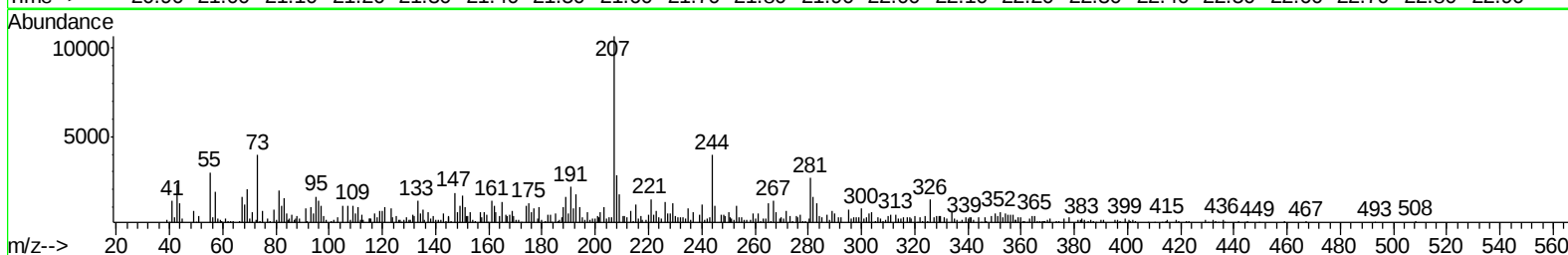
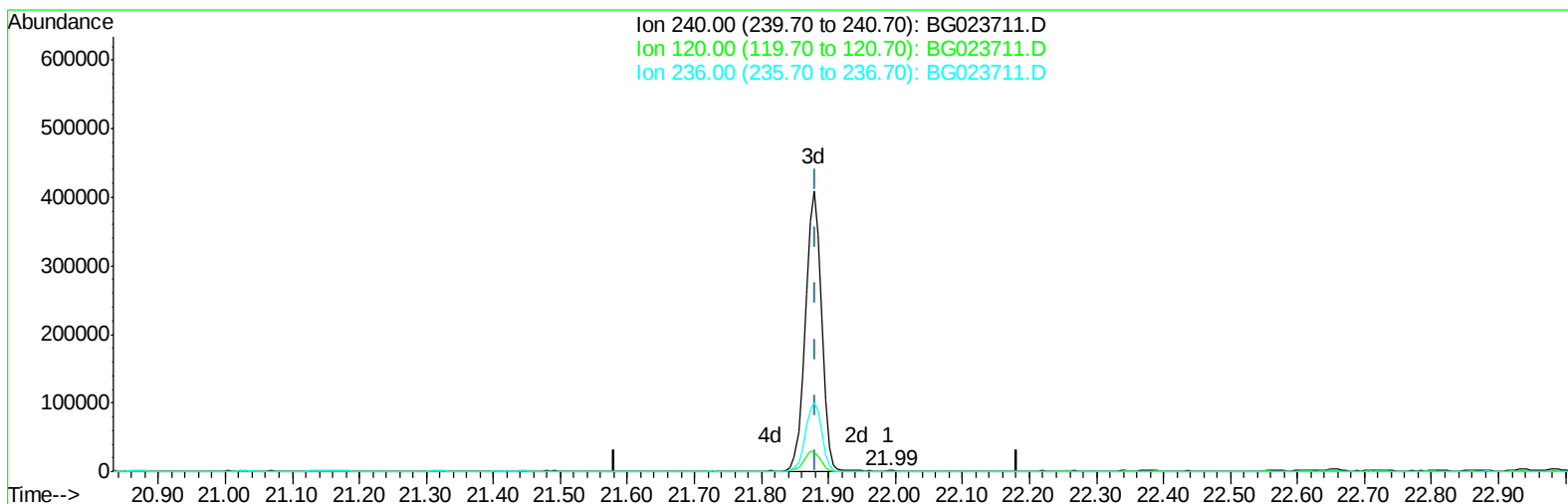
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(75) Chrysene-d12 (I)

21.990min (+0.109) 20.00ng/ul

response 707

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	69.72#
236.00	26.10	26.78
0.00	0.00	0.00

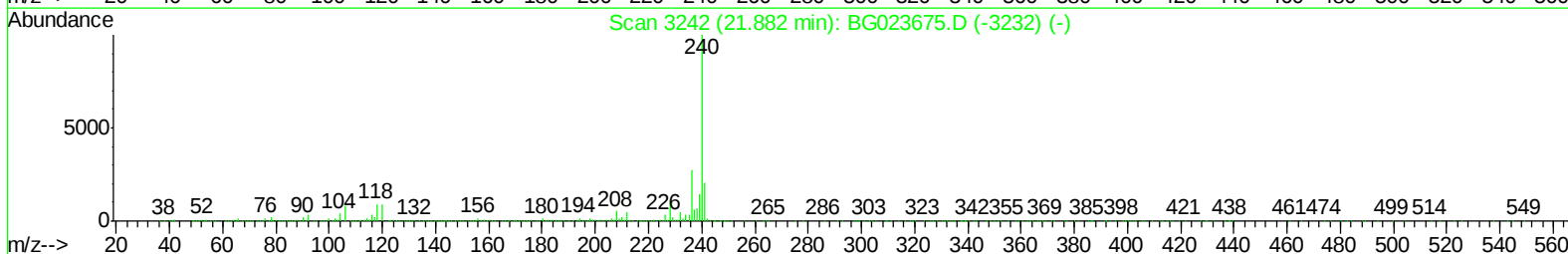
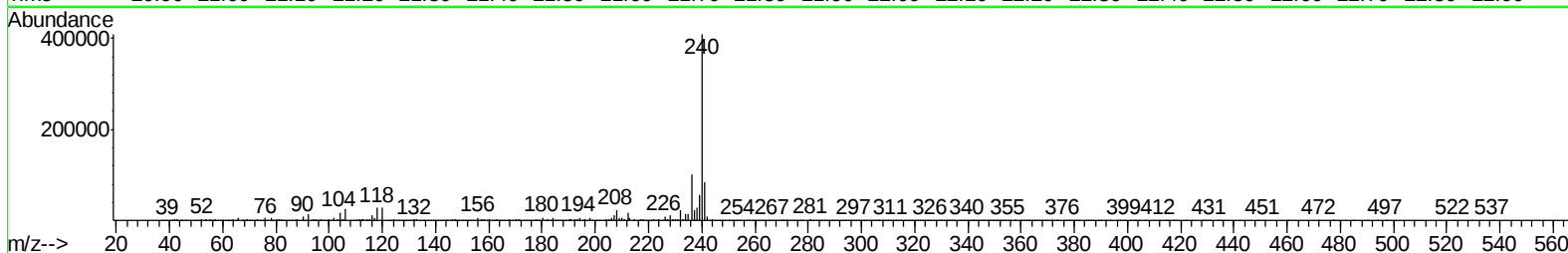
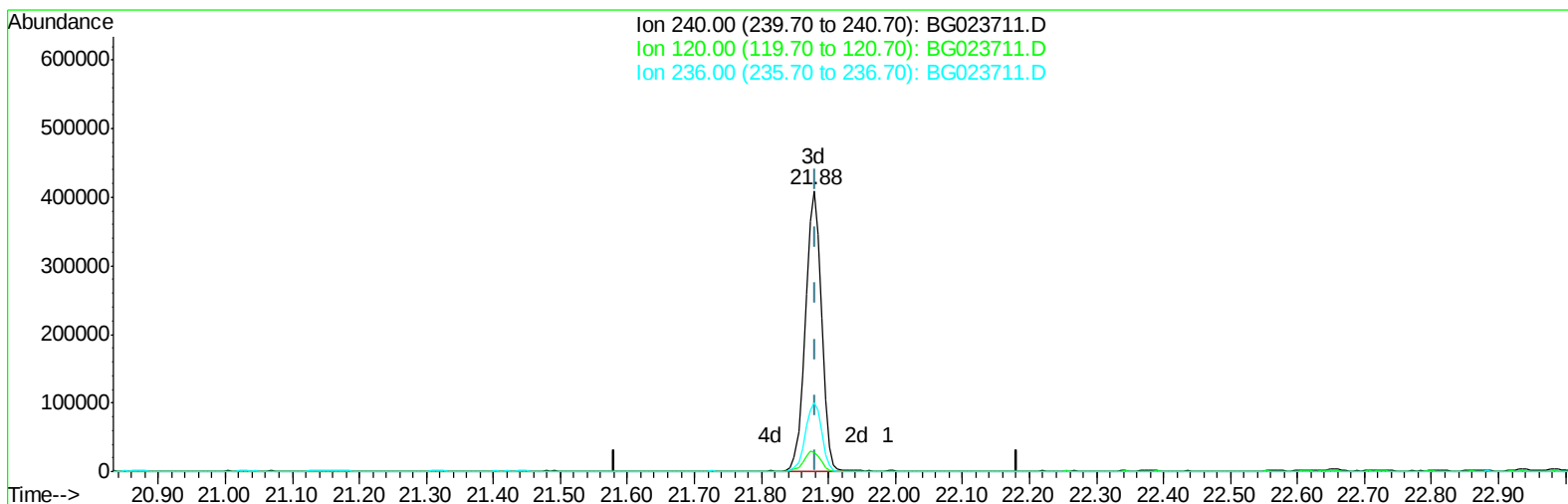
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:40:01 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(75) Chrysene-d12 (I)

21.878min (-0.003) 20.00ng/ul m

response 698662

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	6.64#
236.00	26.10	24.46
0.00	0.00	0.00

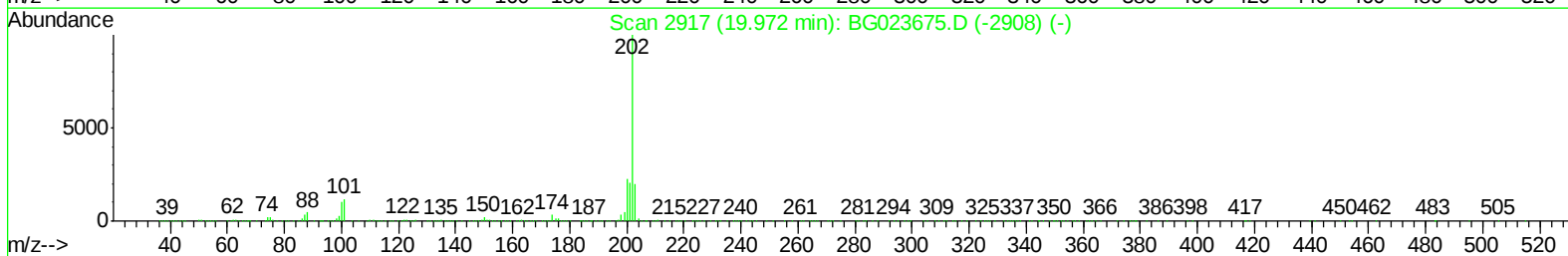
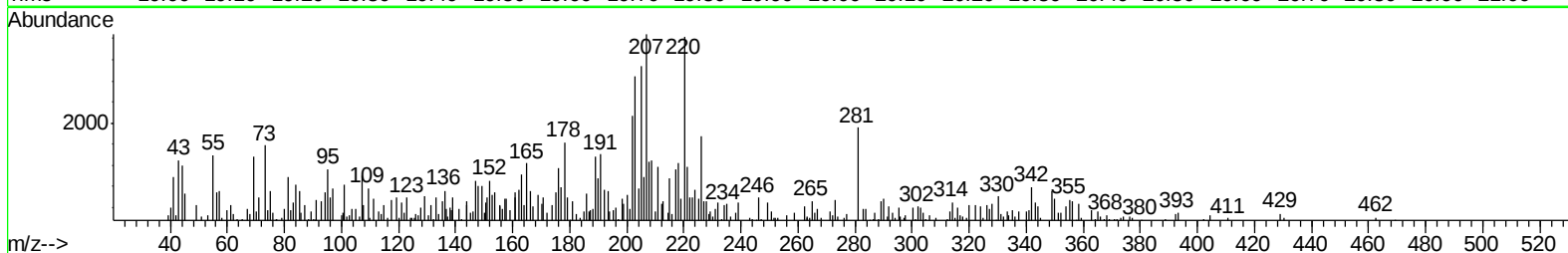
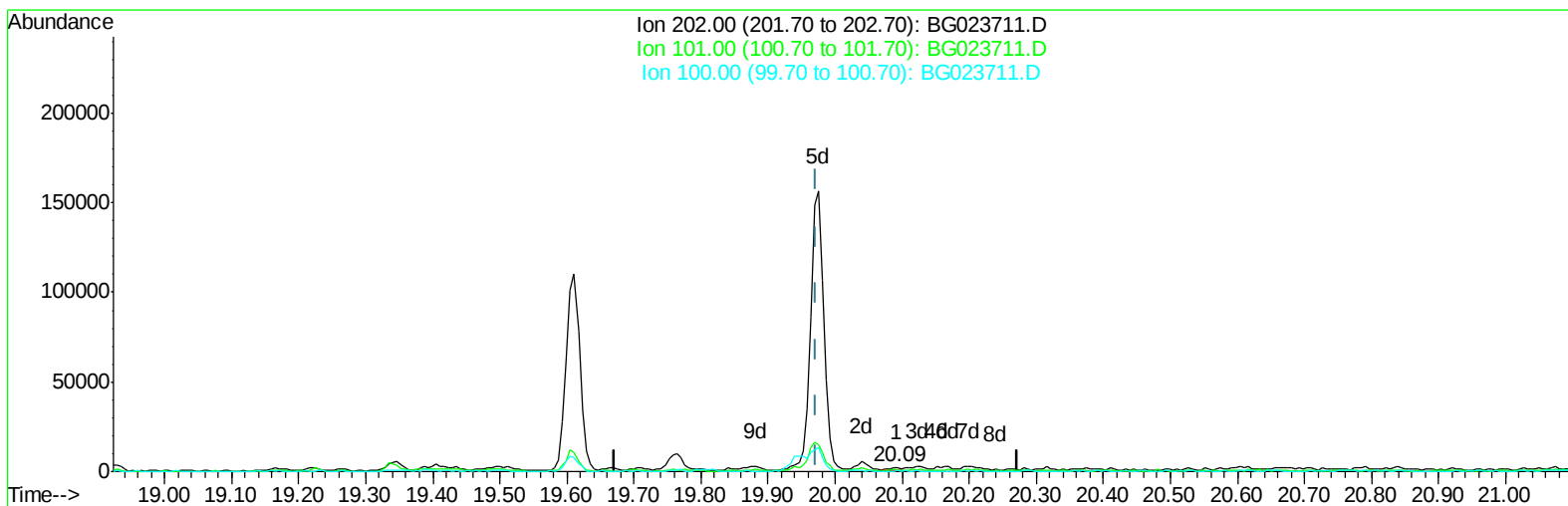
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:41:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(77) Pyrene

20.093min (+0.120) 0.04ng/ul

response 1590

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	38.48#
100.00	12.80	25.34#
0.00	0.00	0.00

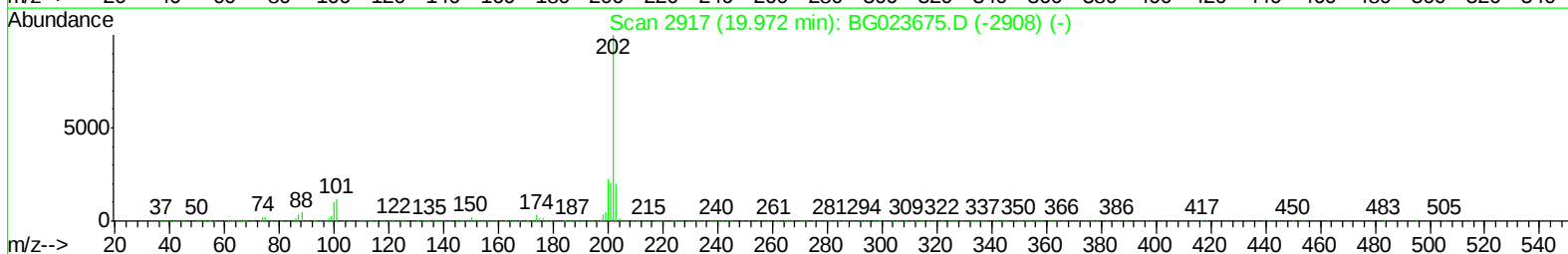
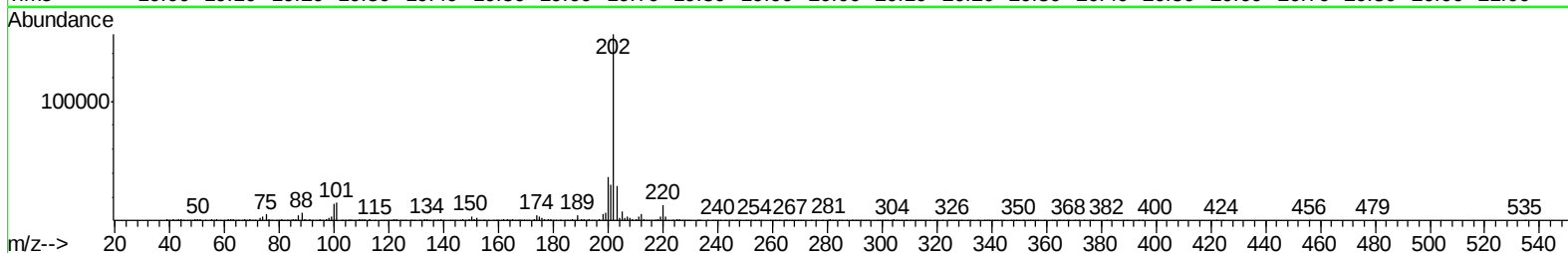
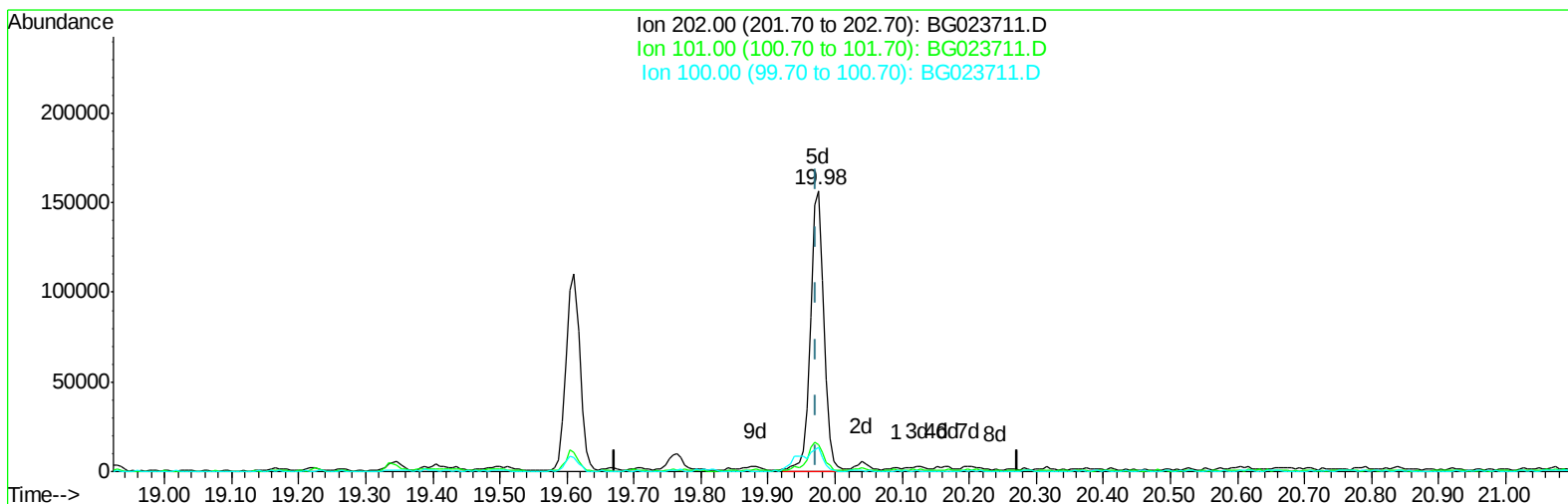
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:41:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(77) Pyrene

19.975min (+0.003) 5.20ng/ul m

response 224423

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	9.61#
100.00	12.80	8.73#
0.00	0.00	0.00

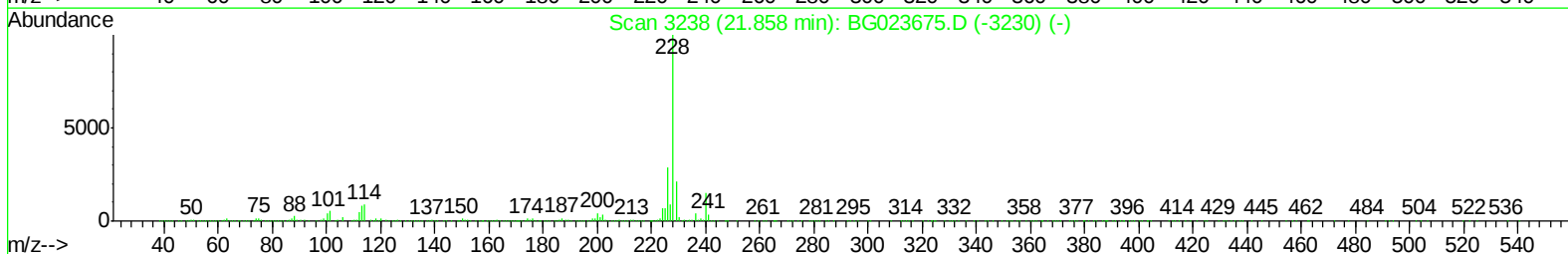
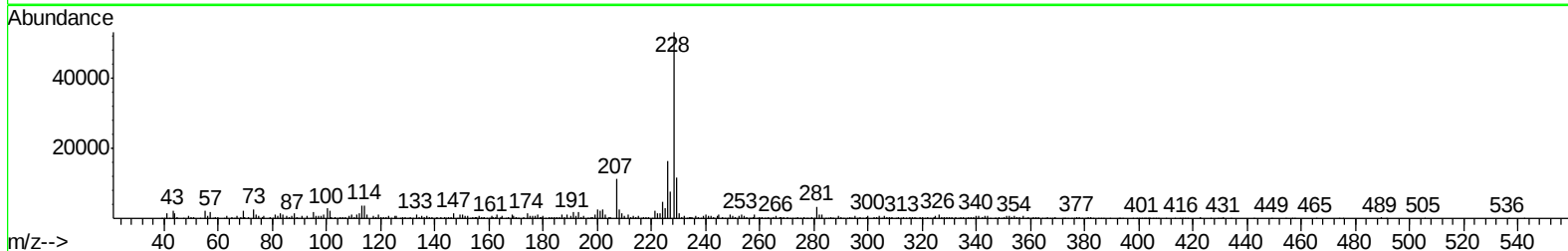
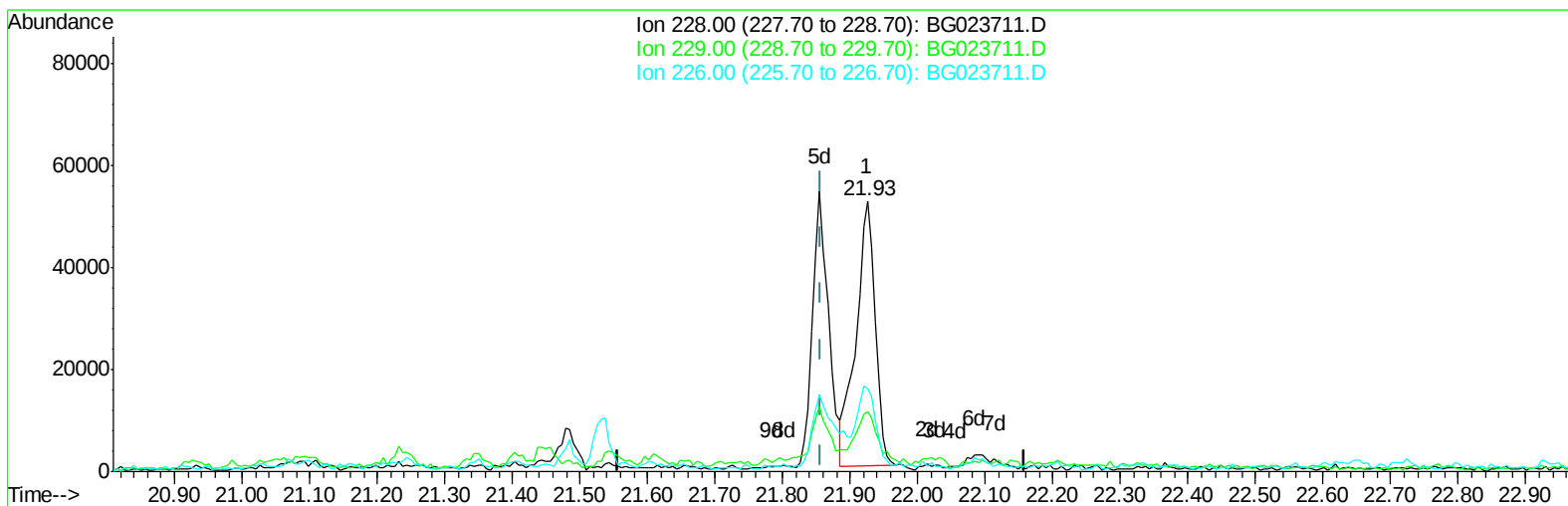
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM

Quant Time: Aug 15 19:41:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(80) Benzo(a)anthracene
21.925min (+0.067) 2.62ng/ul
response 103141

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	22.06
226.00	28.50	30.81
0.00	0.00	0.00

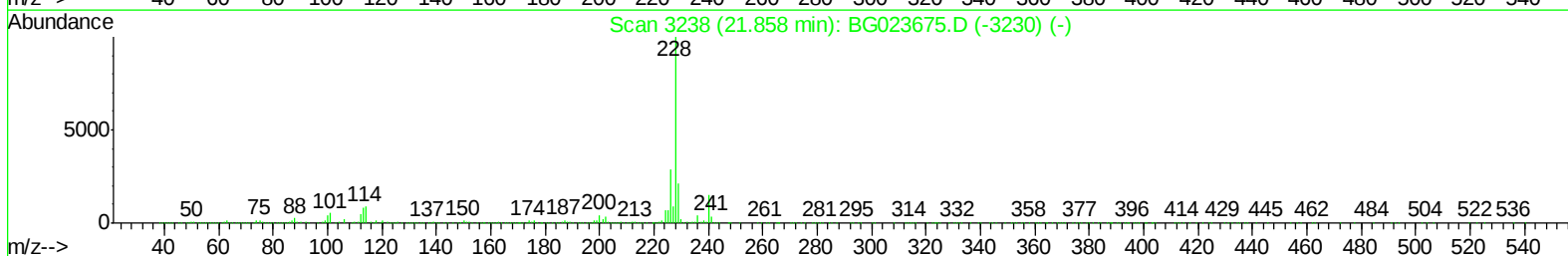
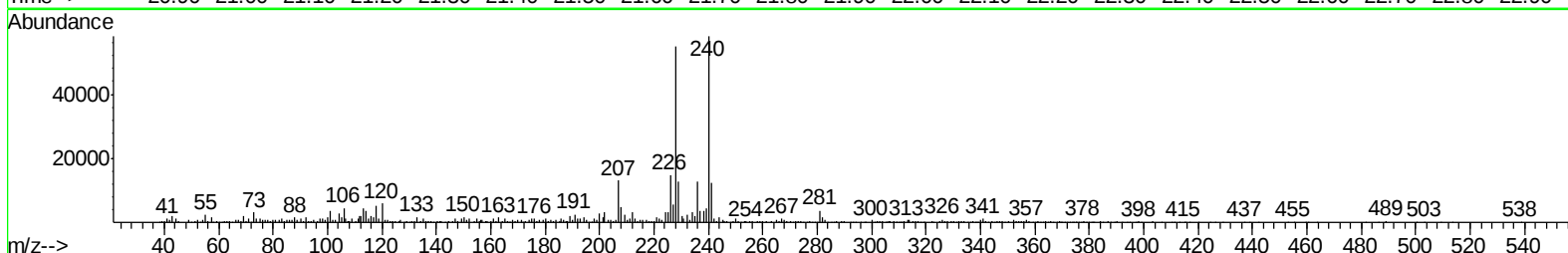
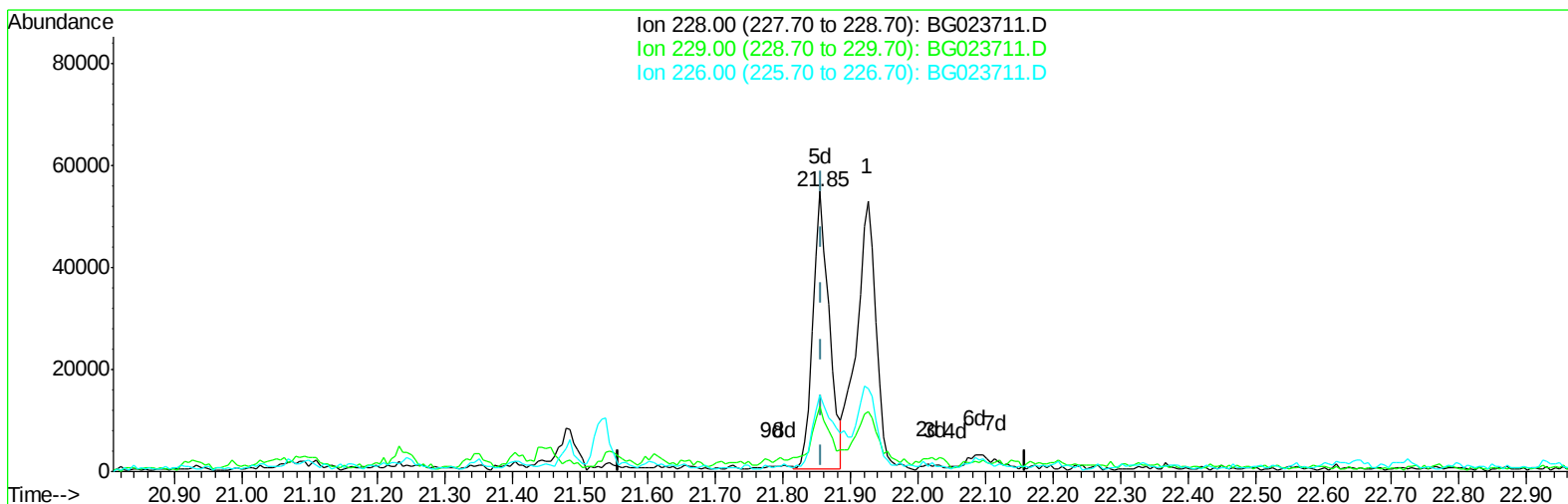
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Quant Time: Aug 15 19:41:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

umangi
8/16/2016 7:00:23 PM



TIC: BG023711.D

(80) Benzo(a)anthracene

21.855min (-0.003) 2.29ng/ul m

response 89954

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	23.20#
226.00	28.50	27.15
0.00	0.00	0.00

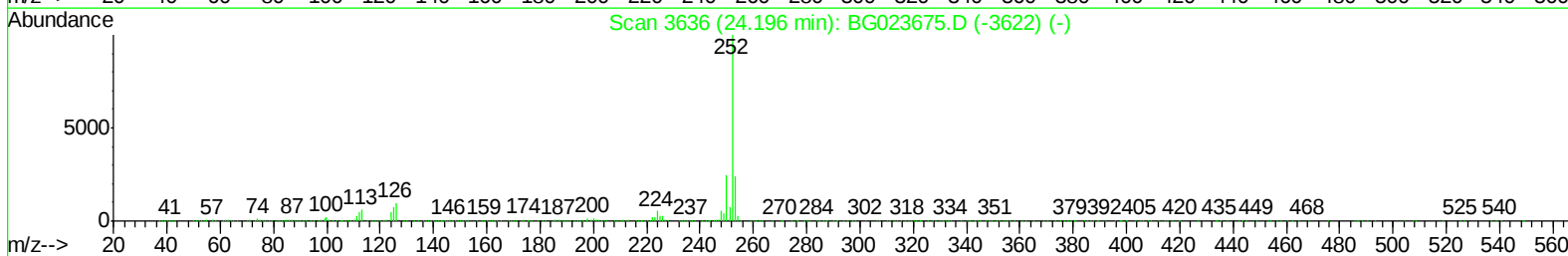
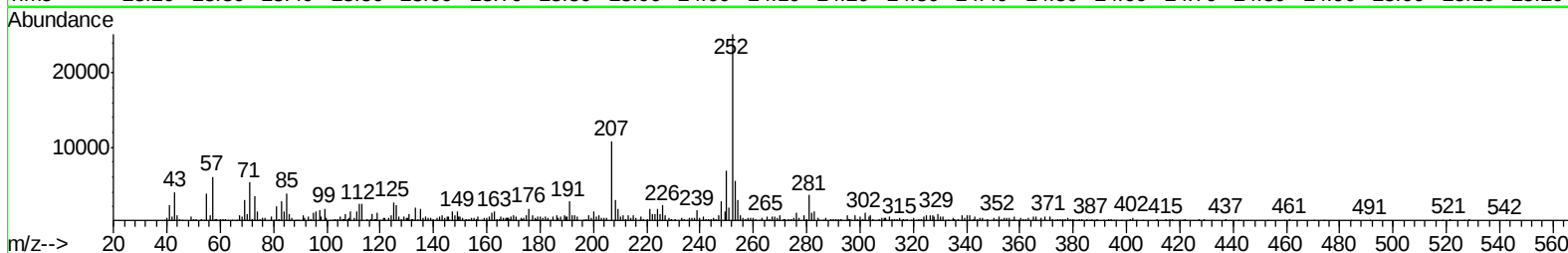
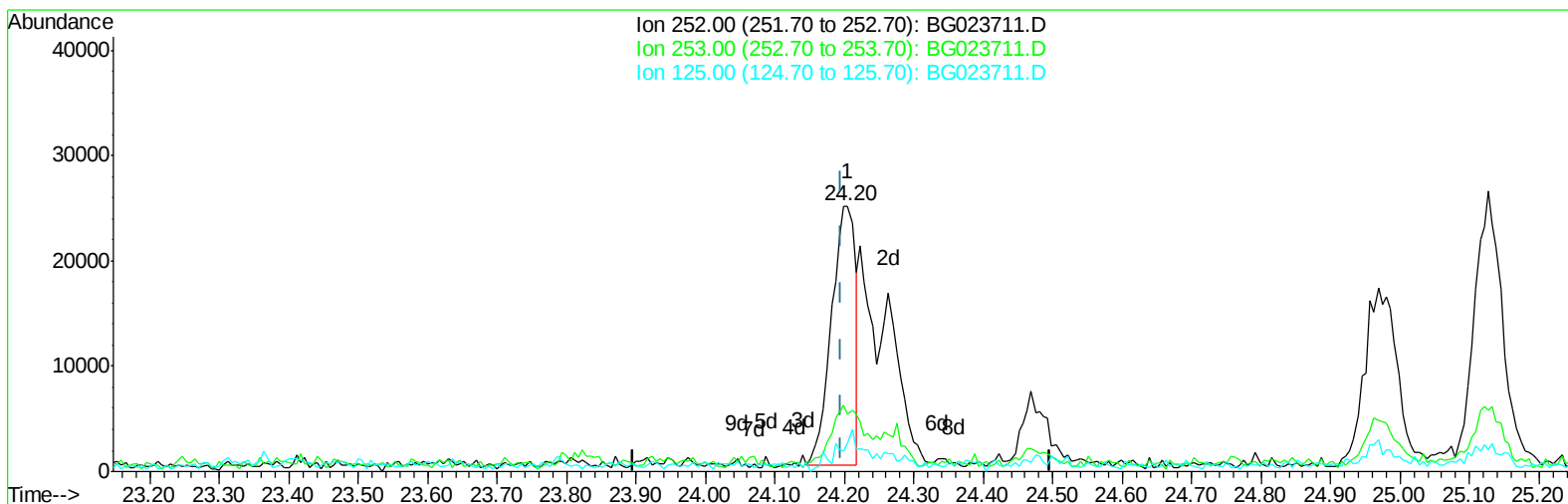
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
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Quant Time: Aug 15 19:41:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 15 18:52:38 2016
Response via : Initial Calibration



TIC: BG023711.D

(85) Benzo(b)fluoranthene

24.205min (+0.009) 1.45ng/ul

response 58059

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.55
125.00	13.50	10.40#
0.00	0.00	0.00

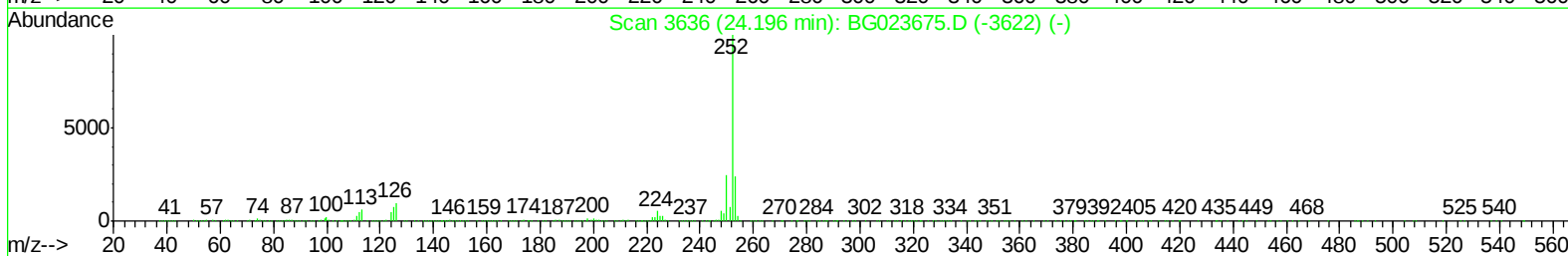
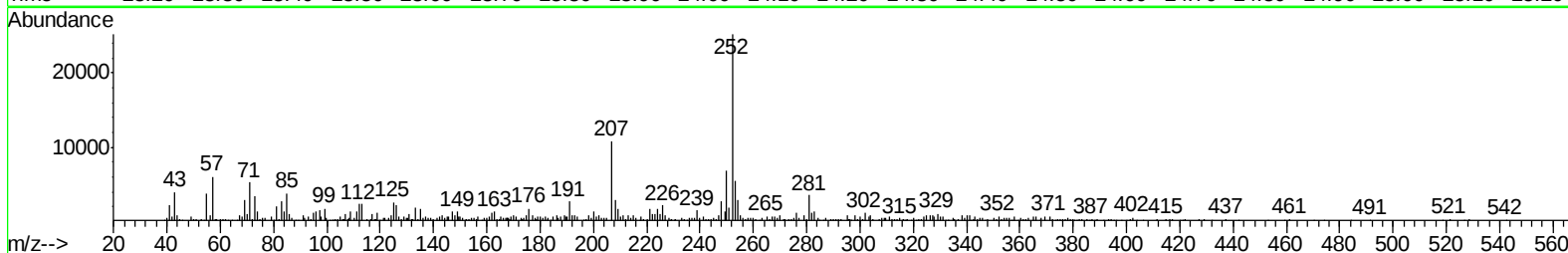
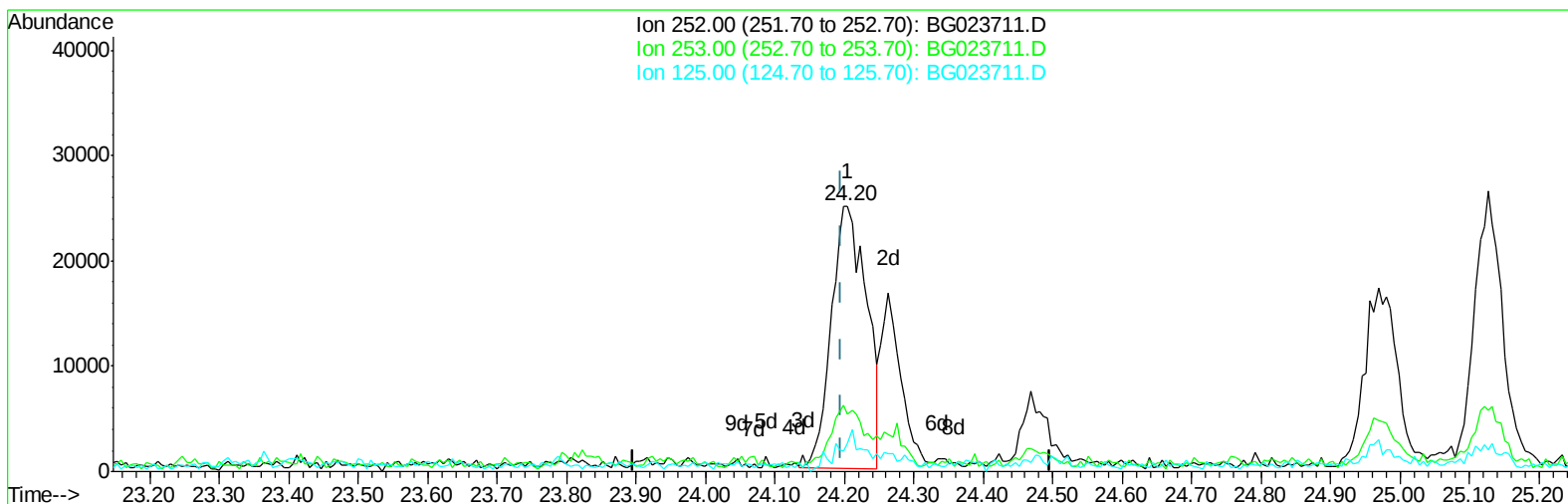
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Manual Integrations
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Quant Time: Aug 15 19:41:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
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TIC: BG023711.D

(85) Benzo(b)fluoranthene

24.205min (+0.009) 2.18ng/ul m

response 87318

Ion	Exp%	Act%
252.00	100	100
253.00	22.70	21.55
125.00	13.50	10.40#
0.00	0.00	0.00

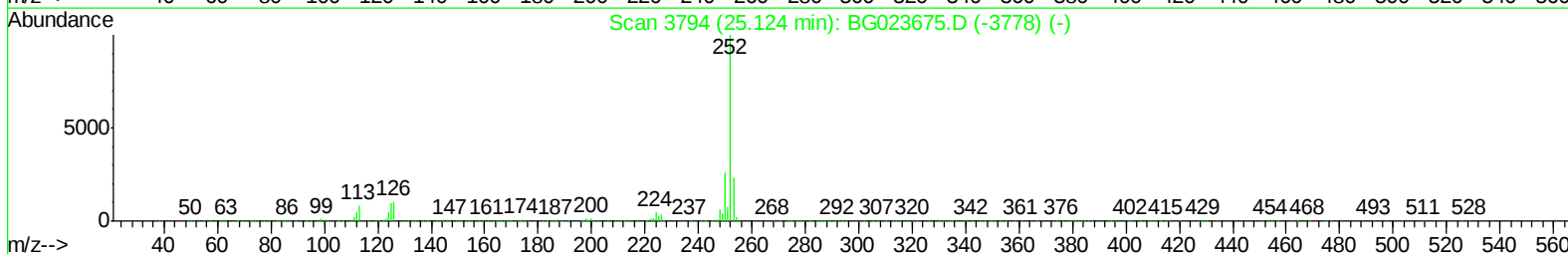
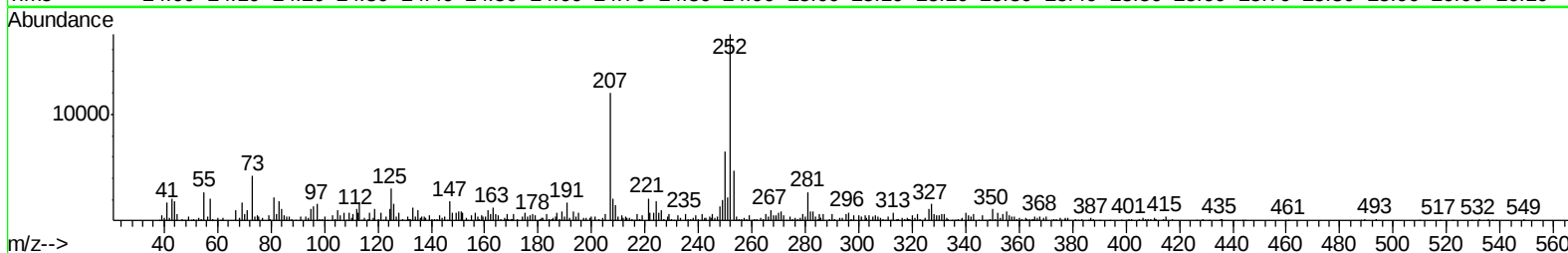
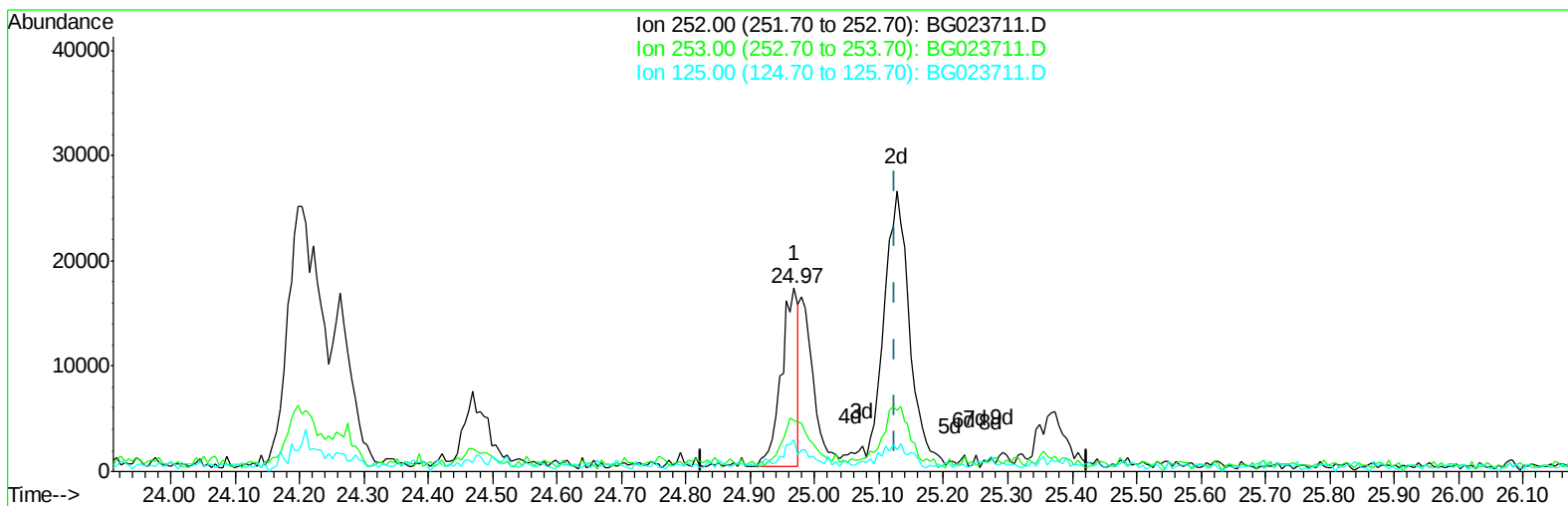
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR002-SS001-2430-02

Quant Time: Aug 15 19:41:30 2016
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Manual Integrations
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TIC: BG023711.D

(88) Benzo(a)pyrene (C)

24.968min (-0.156) 0.83ng/ul

response 31961

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	27.66
125.00	15.00	17.63
0.00	0.00	0.00

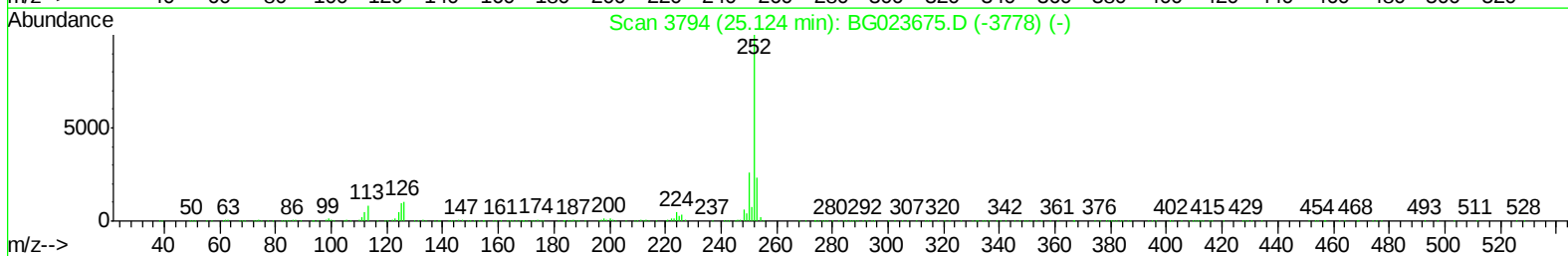
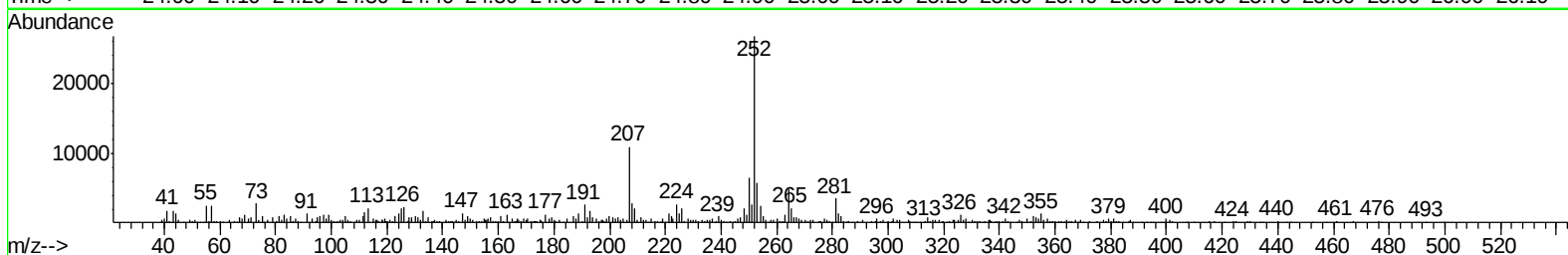
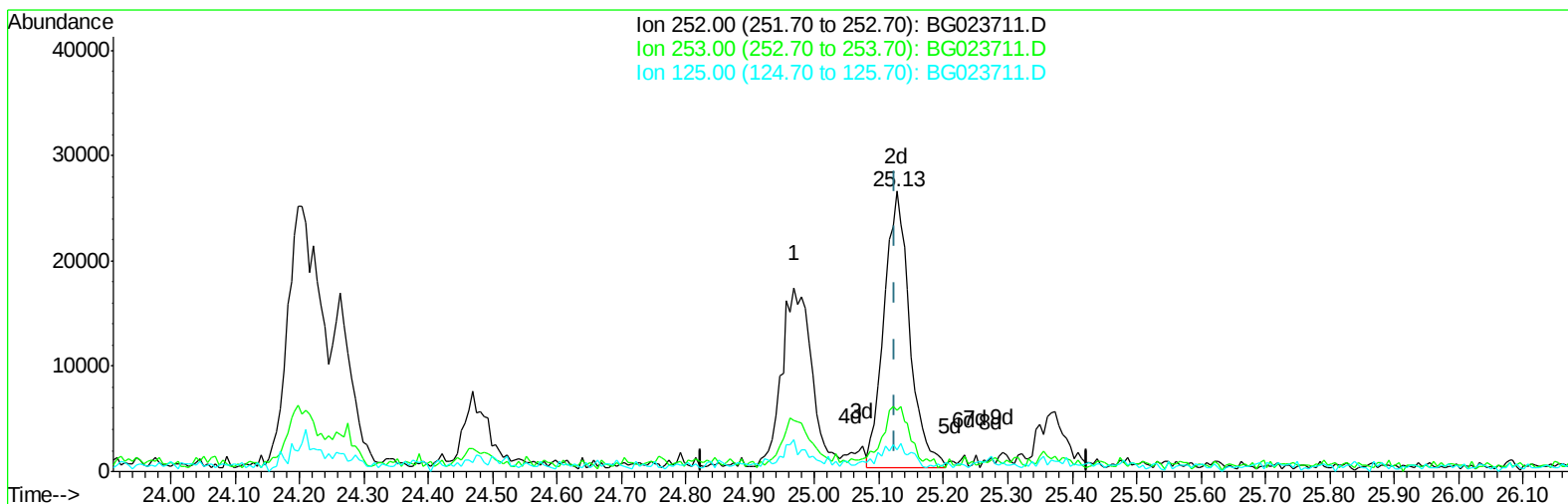
Data Path : Z:\HPCHEM1\BNA_G\Data\BG081316\
Data File : BG023711.D
Acq On : 14 Aug 2016 5:49
Operator : UM/SJ
Sample : H4388-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
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Quant Time: Aug 15 19:41:30 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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TIC: BG023711.D

(88) Benzo(a)pyrene (C)

25.127min (+0.003) 1.91ng/ul m

response 73850

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	21.65
125.00	15.00	7.87#
0.00	0.00	0.00

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 Operator : UM/SJ
 Sample : H4388-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR002-SS001-2430-02

Manual Integrations
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Quant Time: Aug 15 19:43:36 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 15 18:52:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	112398	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	505122	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.79	164	316022	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	669017m	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	698662m	20.00	ng/ul	0.00
83) Perylene-d12	25.29	264	704492	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	11652	4.41	ng/uL	0.00
5) Phenol-d5	7.27	99	257245	22.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	180041	24.82	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	186448	24.14	ng/ul	0.00
13) 4-Methylphenol-d8	8.83	113	157504	17.82	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	100774	25.31	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	115903	25.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.58	165	196083	22.73	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	192344	19.01	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	615442	23.79	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	735082	25.24	ng/ul	0.00
51) 4-Nitrophenol-d4	15.01	143	72146	16.33	ng/ul	0.00
57) Fluorene-d10	15.78	176	541193	22.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.92	200	77651m	18.09	ng/ul	0.00
70) Anthracene-d10	17.65	188	741004m	24.58	ng/ul	0.00
76) Pyrene-d10	19.95	212	826875	23.38	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.06	264	789281	24.75	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	7.29	94	19238	1.63	ng/ul#	66
44) Dimethylphthalate	14.22	163	392921	15.34	ng/ul	99
69) Phenanthrene	17.60	178	100940	2.91	ng/ul	96
74) Fluoranthene	19.61	202	154932m	4.37	ng/ul	
77) Pyrene	19.98	202	224423m	5.20	ng/ul	
80) Benzo(a)anthracene	21.85	228	89954m	2.29	ng/ul	
82) Chrysene	21.93	228	103175	2.88	ng/ul	97
85) Benzo(b)fluoranthene	24.20	252	87318m	2.18	ng/ul	
88) Benzo(a)pyrene	25.13	252	73850m	1.91	ng/ul	

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

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Manual Integrations
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