

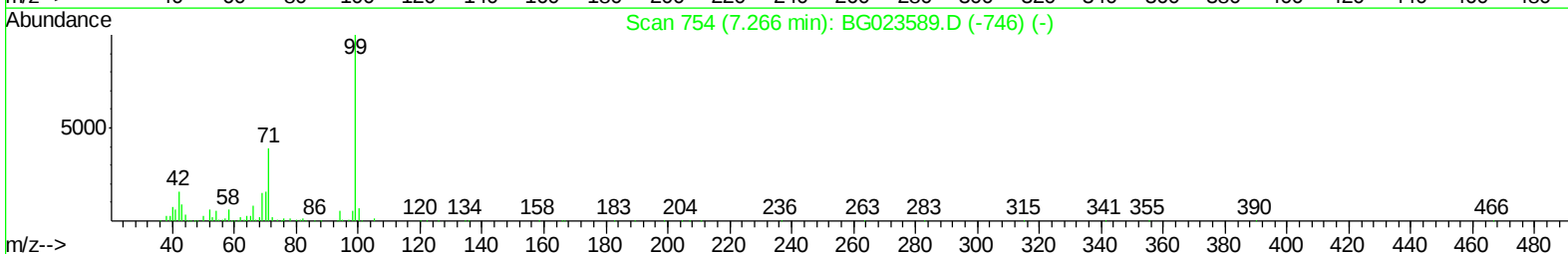
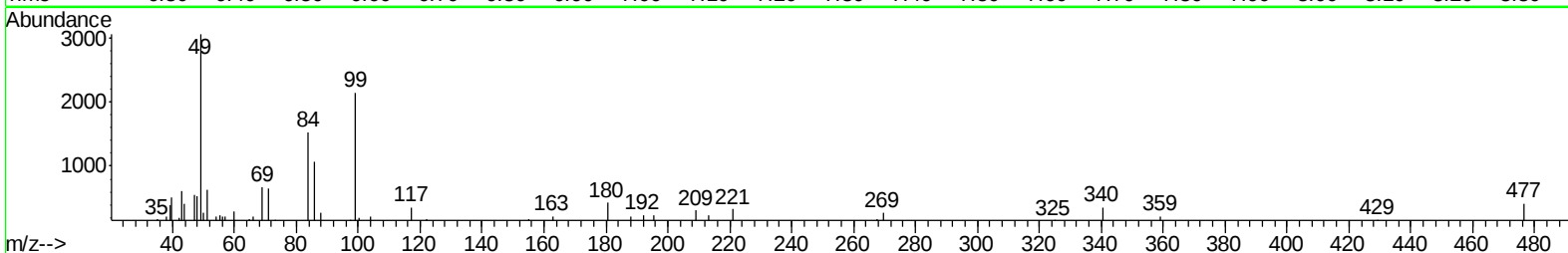
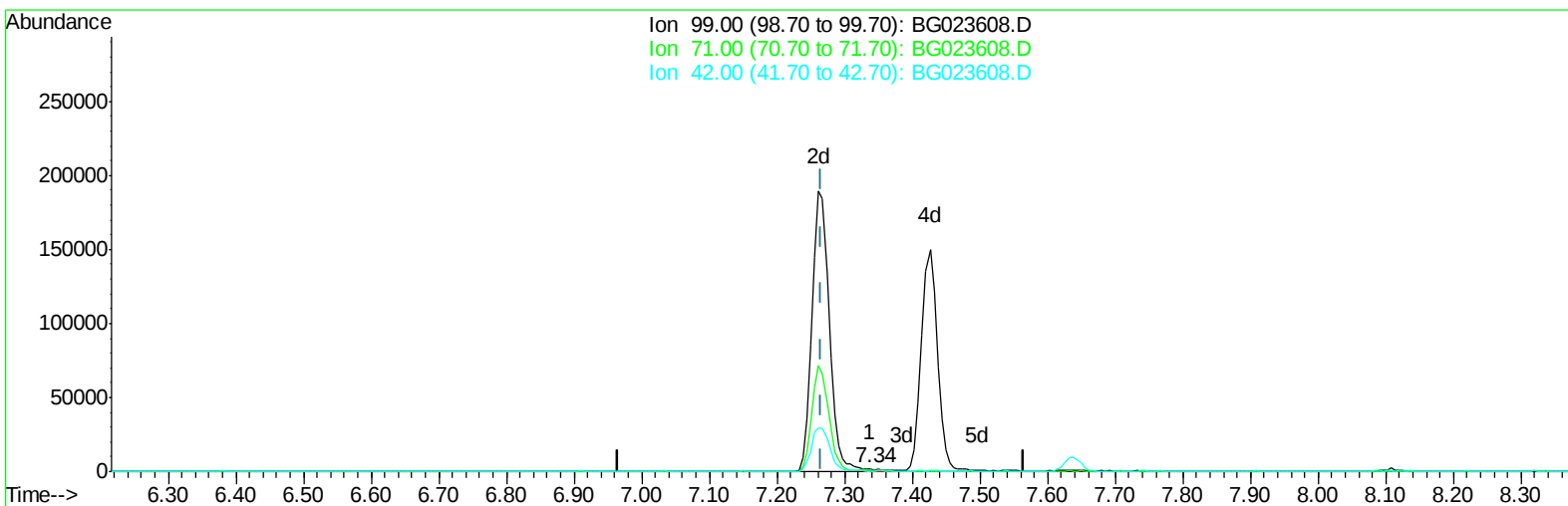
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Manual Integrations
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TIC: BG023608.D

(5) Phenol-d5 (S)

7.338min (+0.072) 0.20ng/ul

response 3182

Ion	Exp%	Act%
99.00	100	100
71.00	25.40	30.24
42.00	11.10	9.01
0.00	0.00	0.00

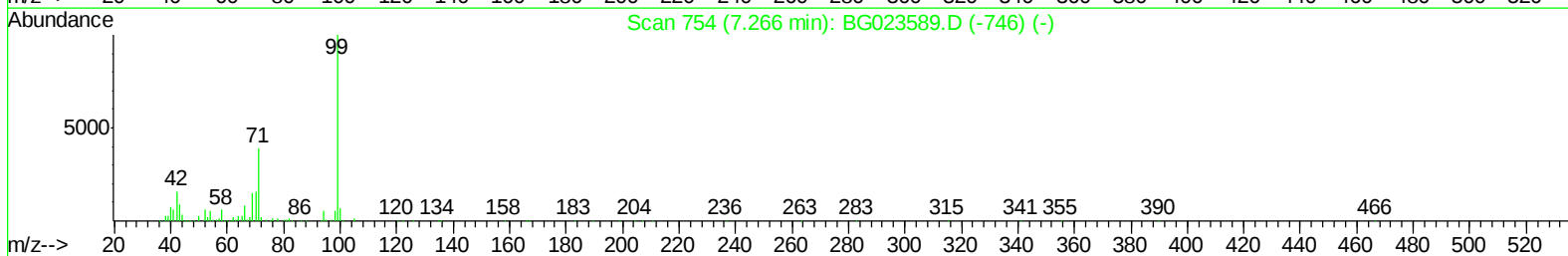
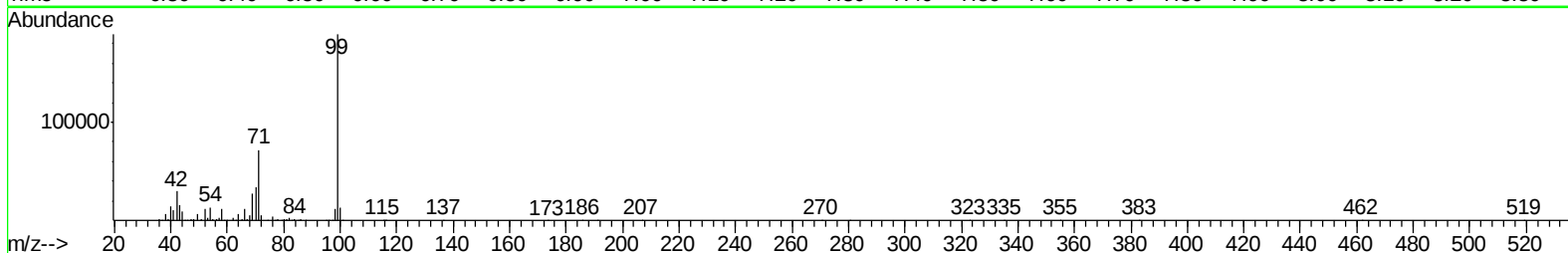
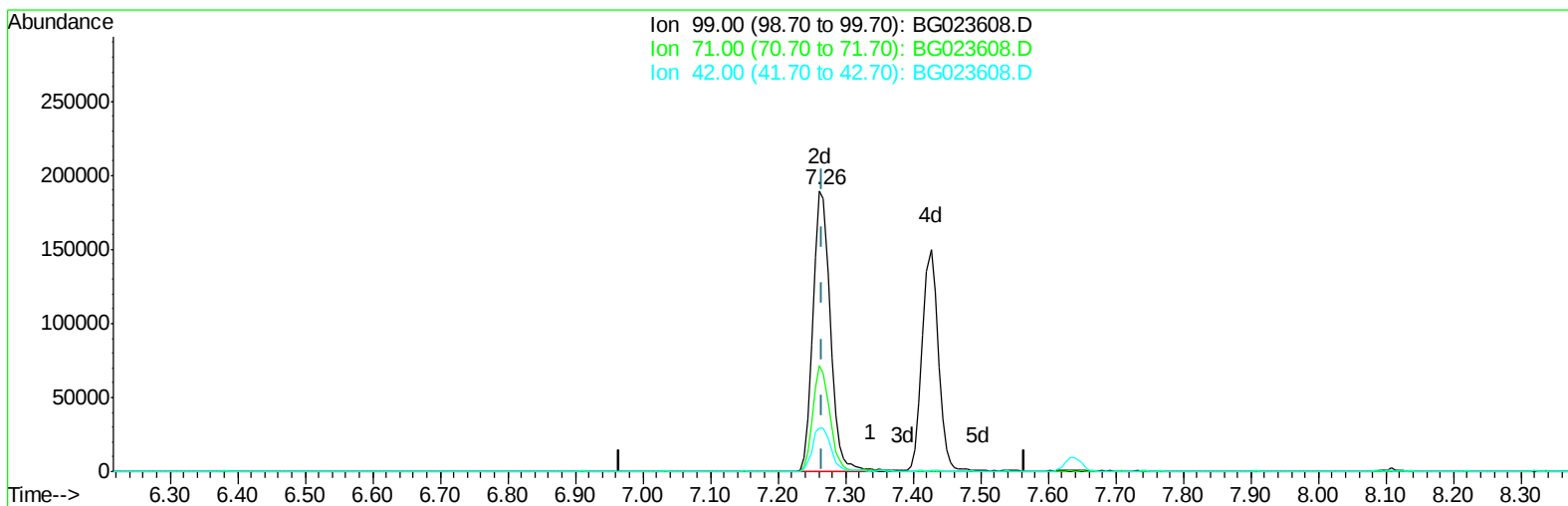
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(5) Phenol-d5 (S)

7.262min (-0.005) 21.19ng/ul m

response 333034

Ion	Exp%	Act%
99.00	100	100
71.00	25.40	37.83#
42.00	11.10	15.52#
0.00	0.00	0.00

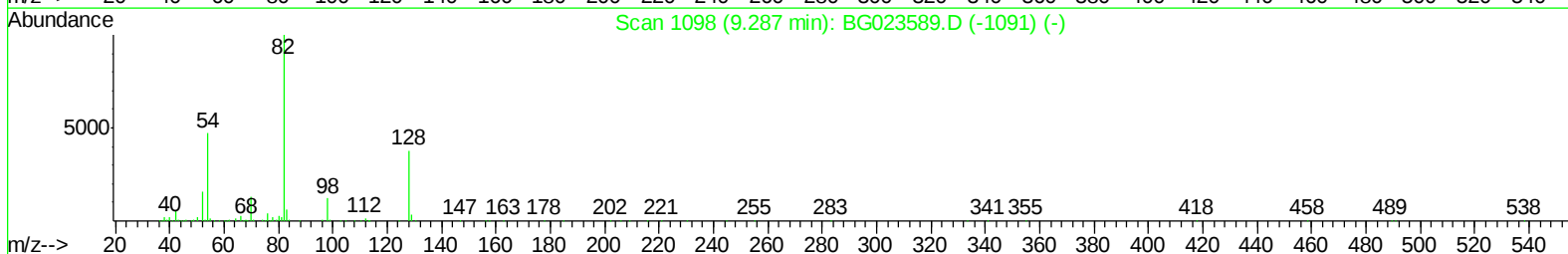
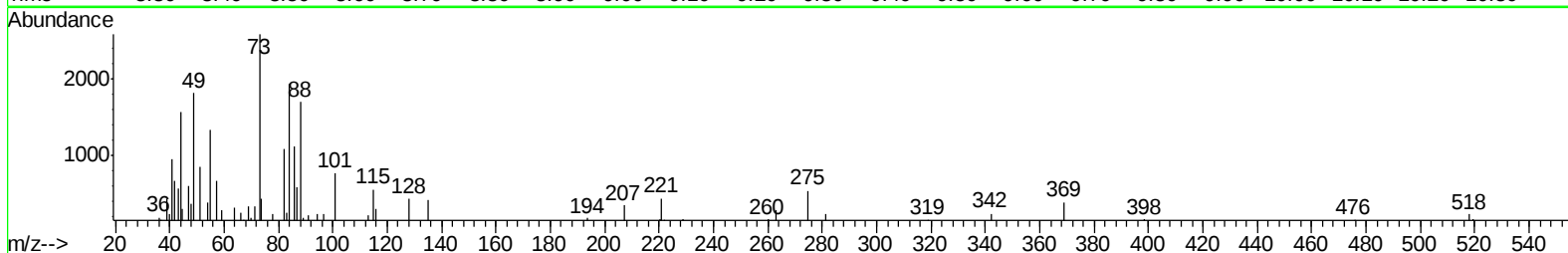
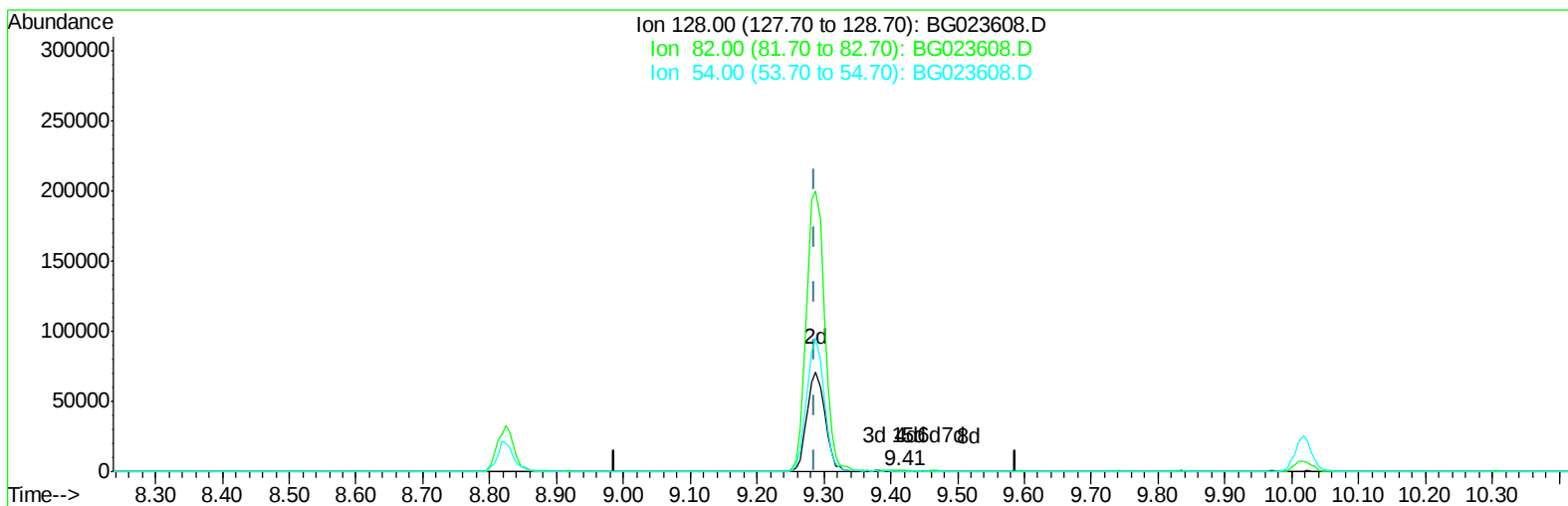
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(19) Nitrobenzene-d5 (S)

9.412min (+0.125) 0.03ng/ul

response 152

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	250.81
54.00	78.50	90.49
0.00	0.00	0.00

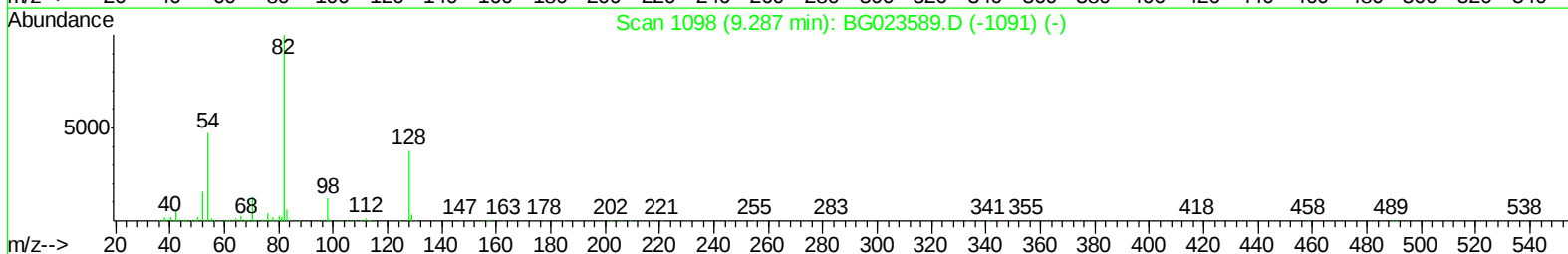
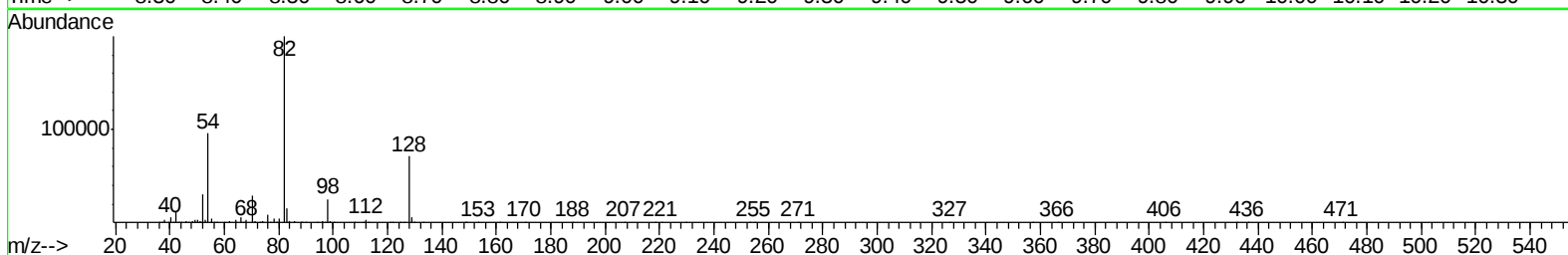
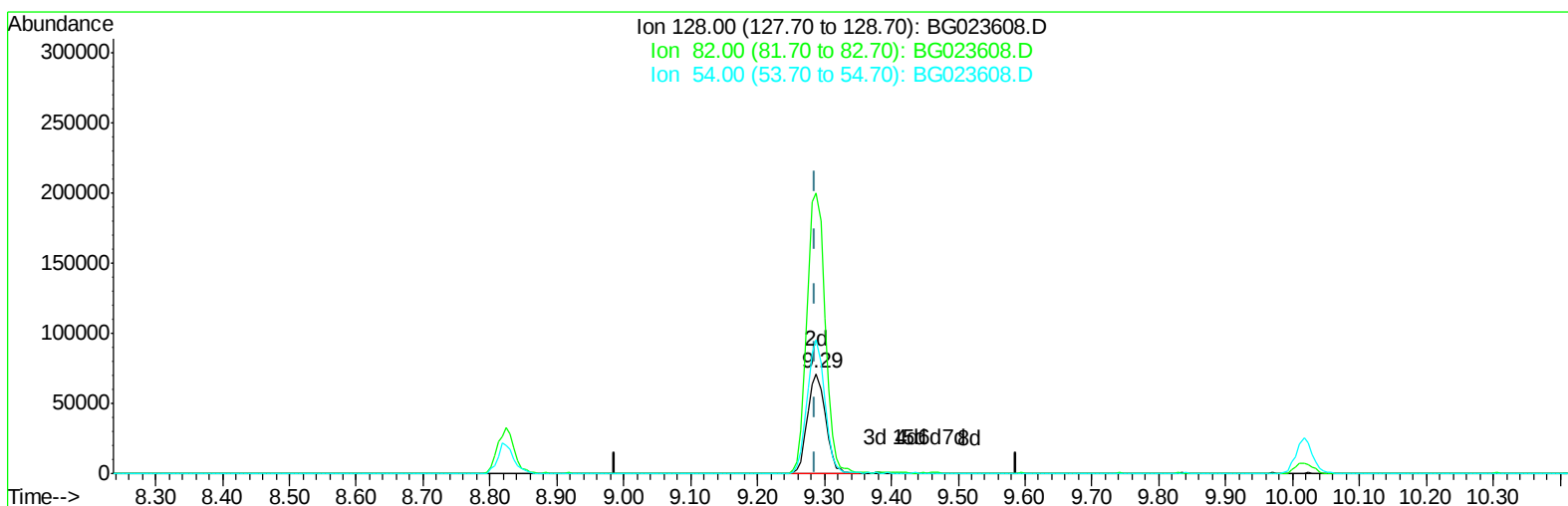
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(19) Nitrobenzene-d5 (S)

9.288min (+0.001) 22.56ng/ul m

response 130305

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	280.81#
54.00	78.50	133.96#
0.00	0.00	0.00

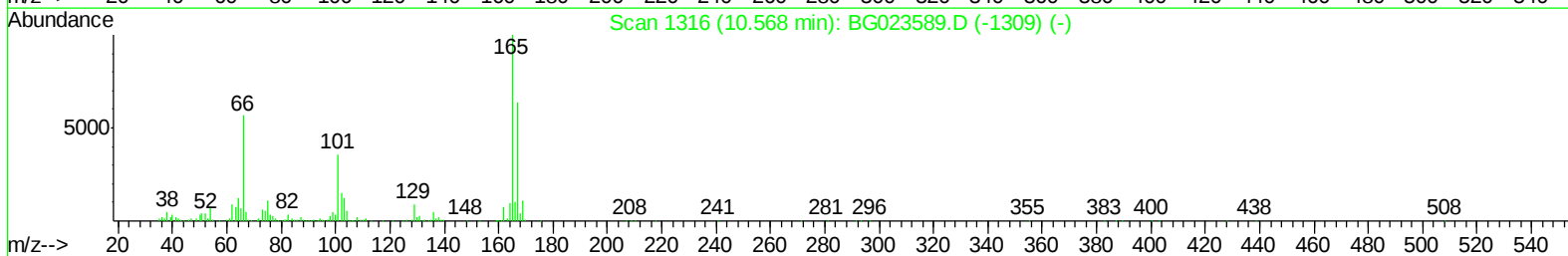
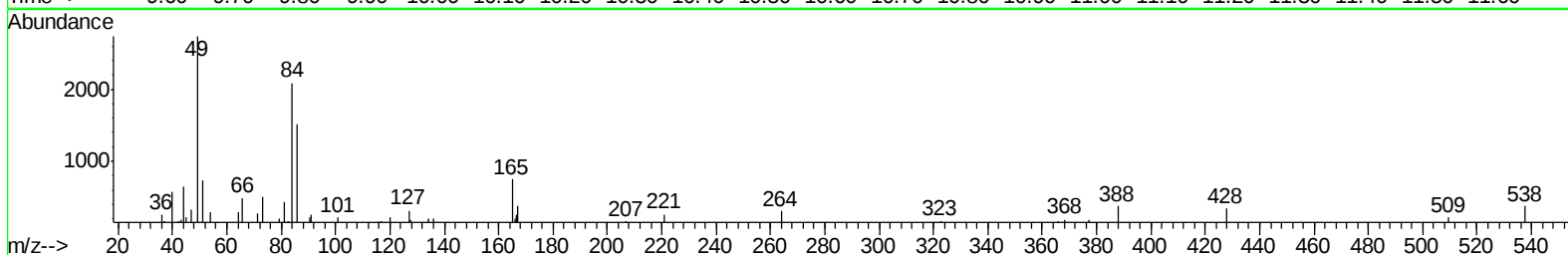
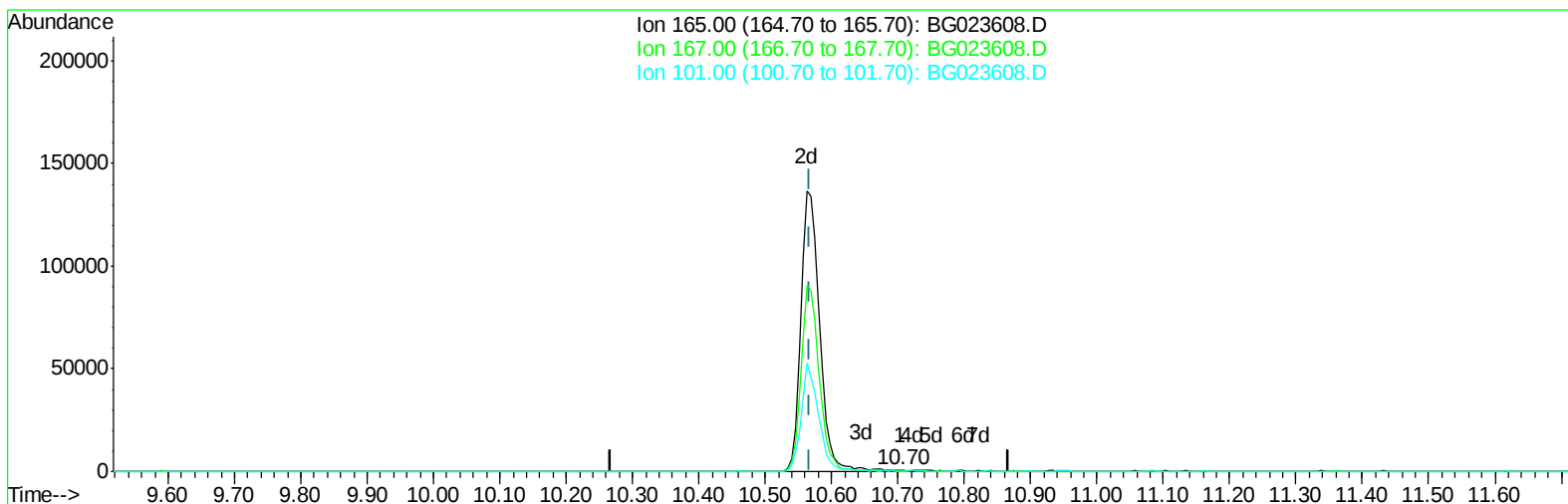
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
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TIC: BG023608.D

(26) 2,4-Dichlorophenol-d3 (S)

10.704min (+0.136) 0.06ng/ul

response 715

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	51.80
101.00	31.80	28.50
0.00	0.00	0.00

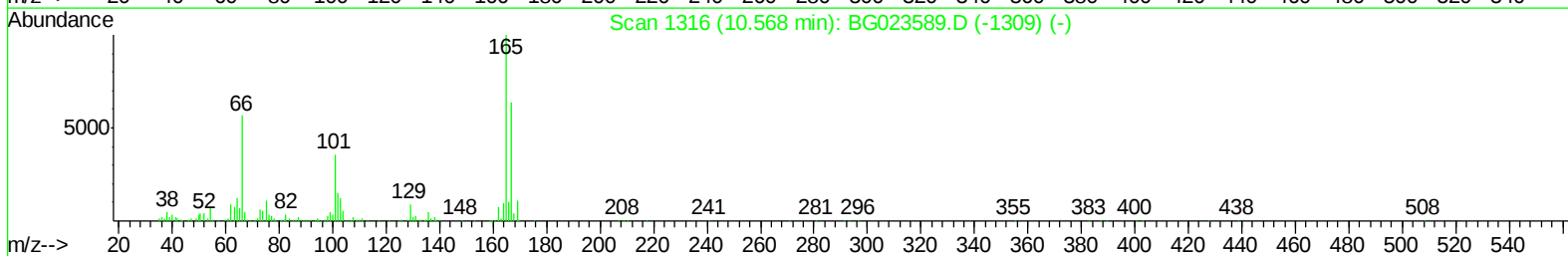
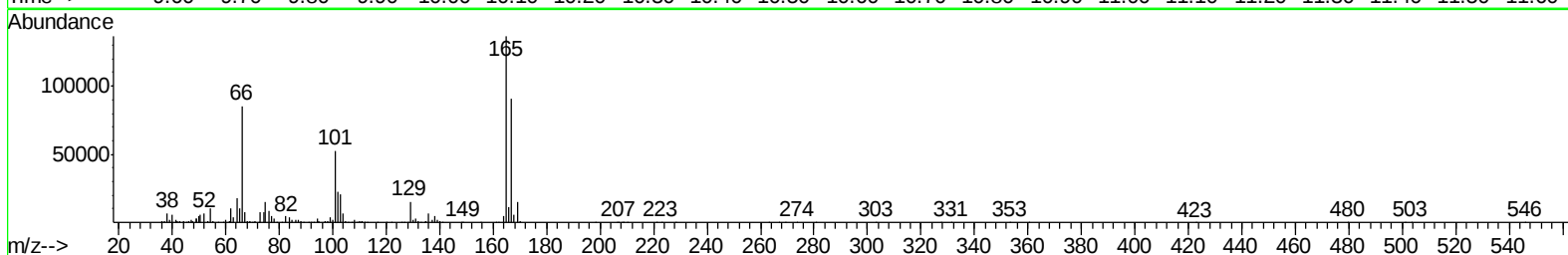
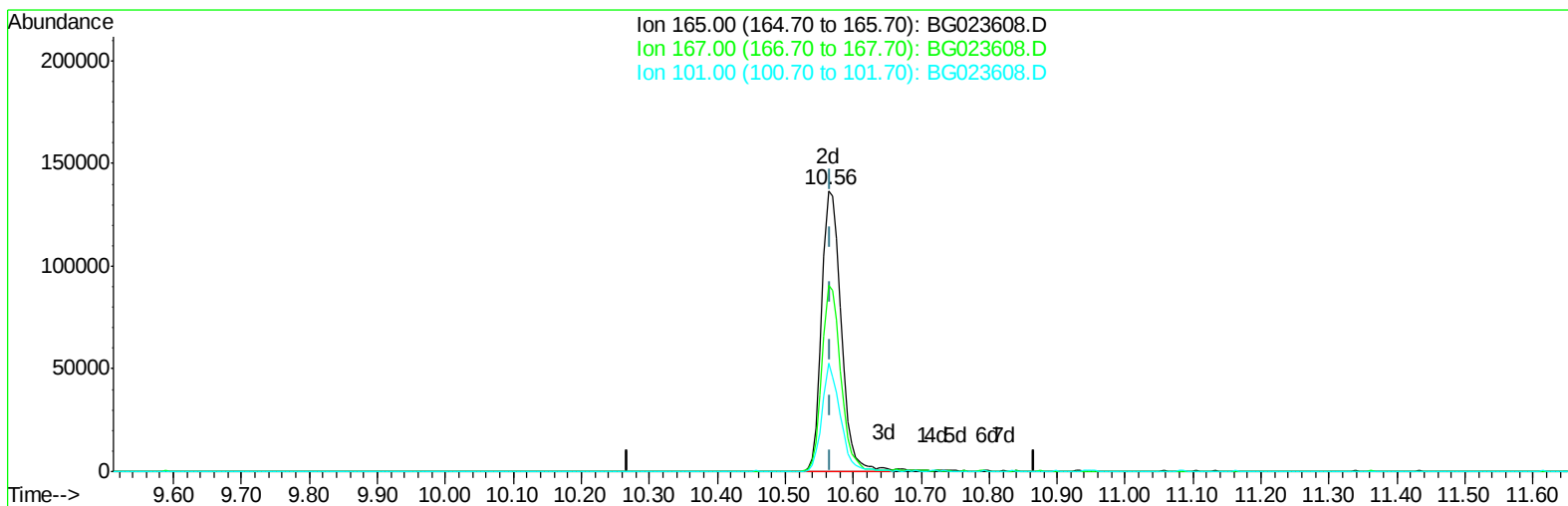
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(26) 2,4-Dichlorophenol-d3 (S)

10.563min (-0.005) 21.74ng/ul m

response 272092

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	66.44
101.00	31.80	38.54#
0.00	0.00	0.00

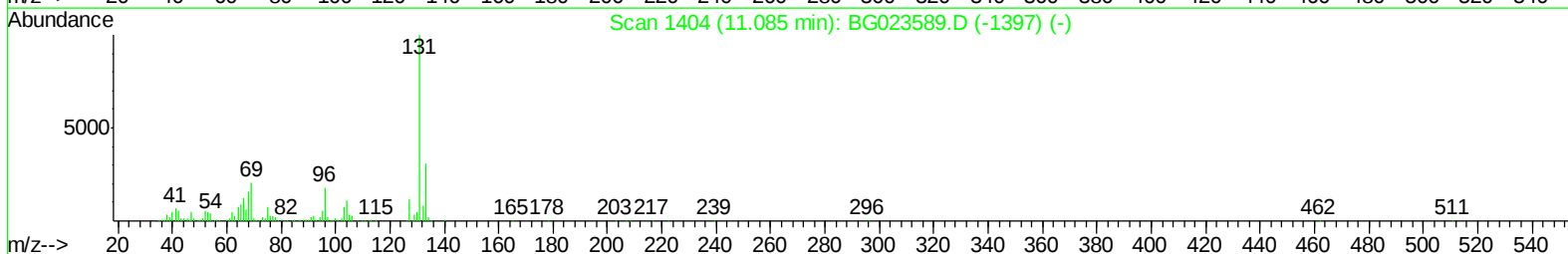
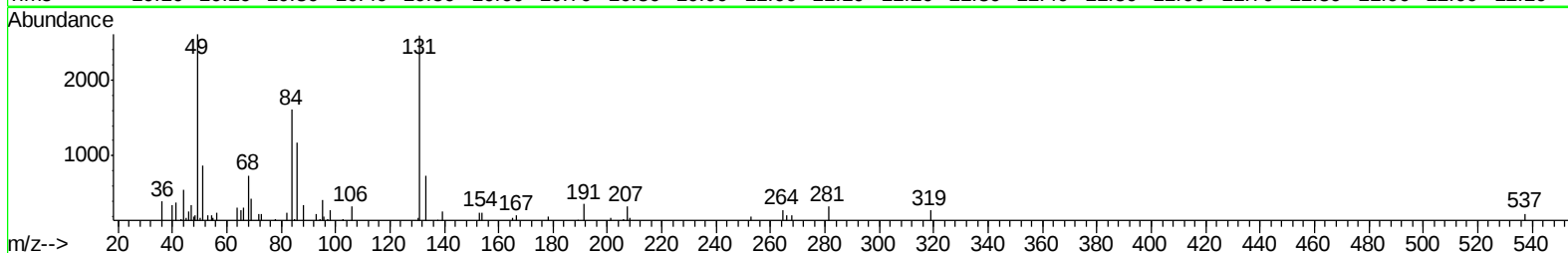
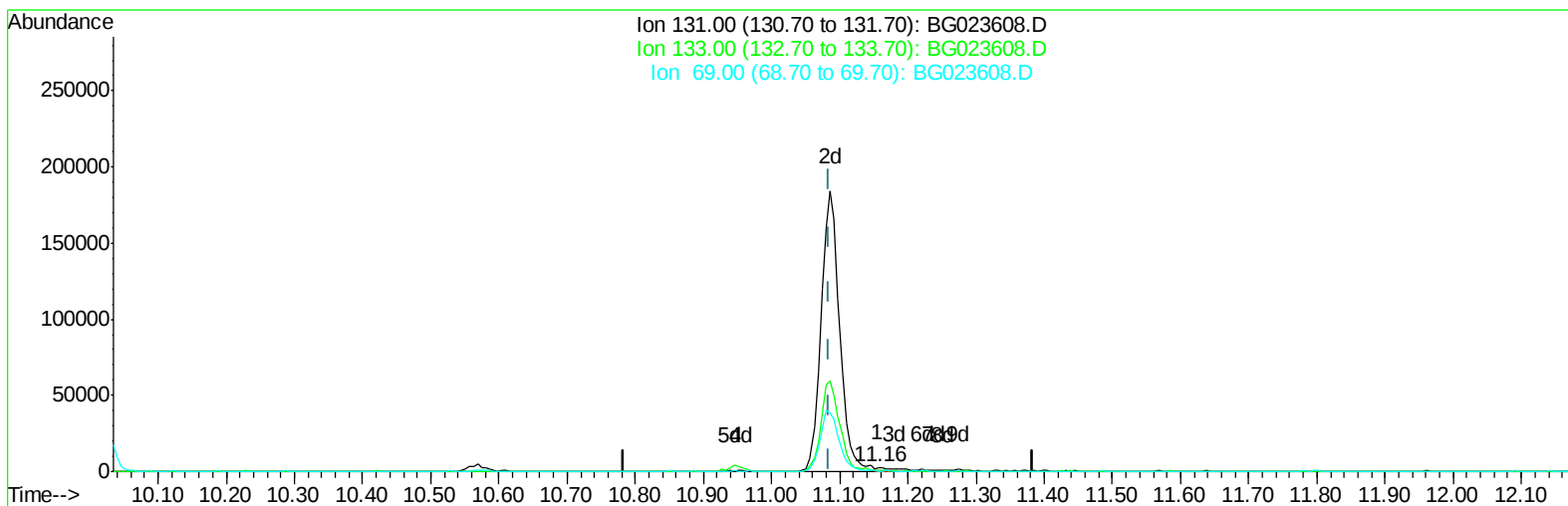
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Quant Time: Aug 11 04:01:14 2016
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Manual Integrations
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TIC: BG023608.D

(29) 4-Chloroaniline-d4 (S)

11.156min (+0.072) 0.19ng/ul

response 2736

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	28.71
69.00	15.40	17.09
0.00	0.00	0.00

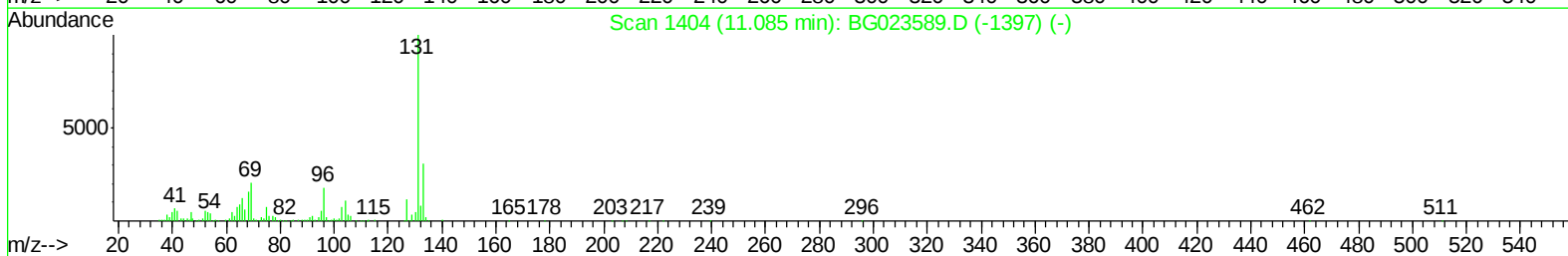
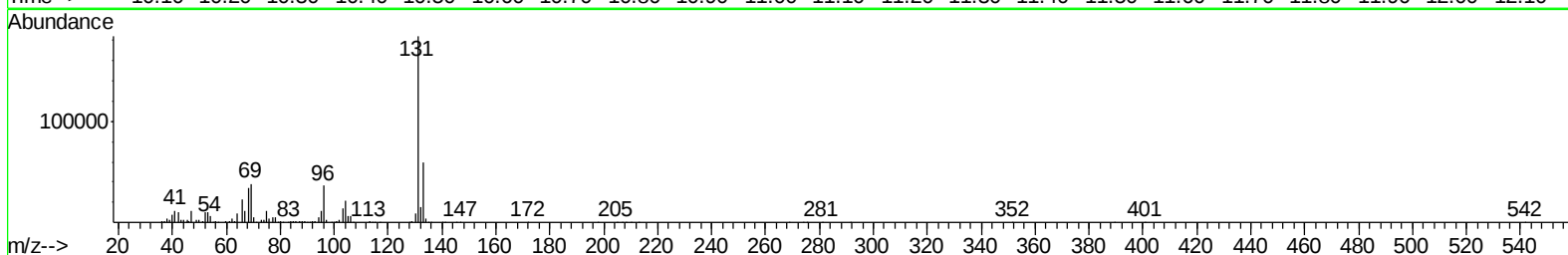
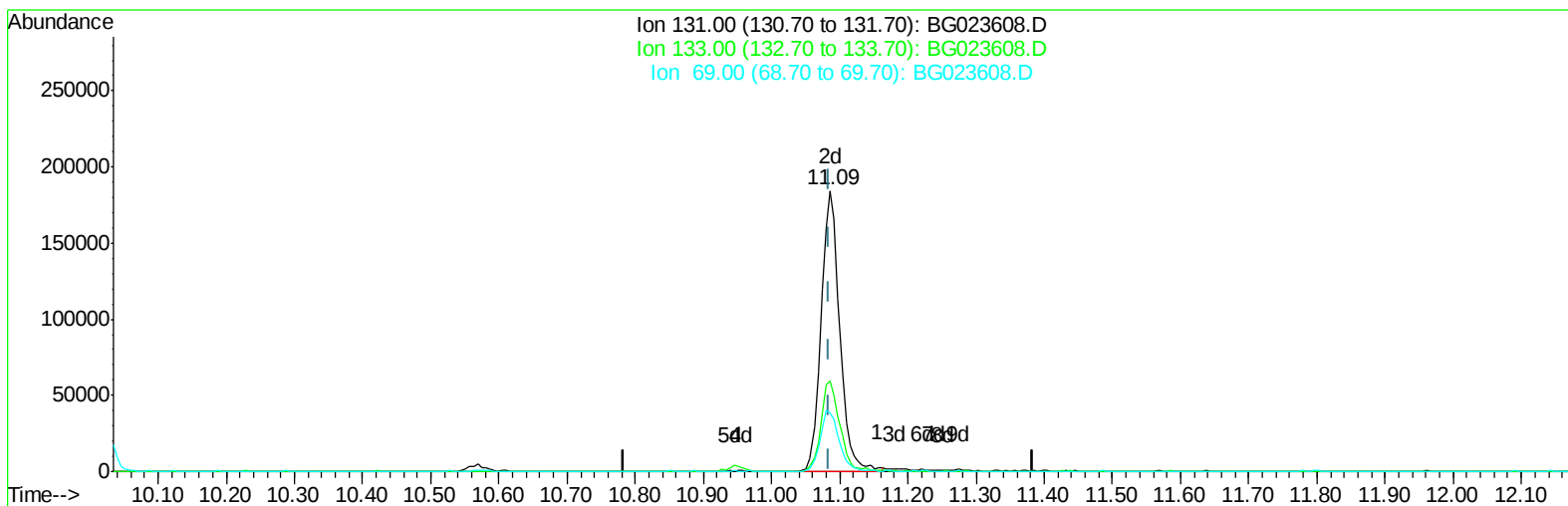
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(29) 4-Chloroaniline-d4 (S)
11.086min (+0.001) 23.87ng/ul m
response 350519

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	32.49
69.00	15.40	20.90#
0.00	0.00	0.00

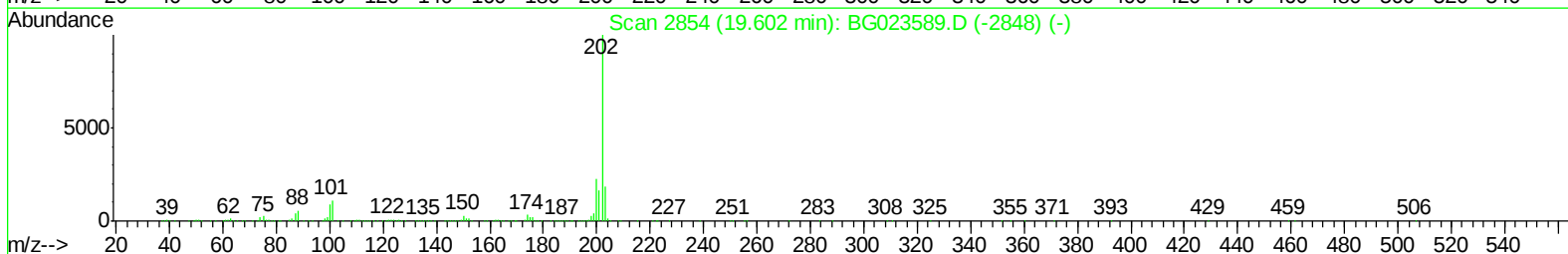
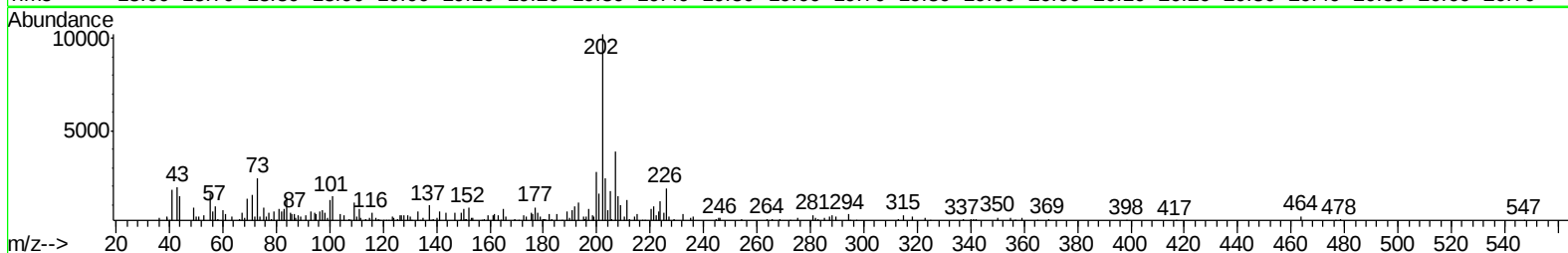
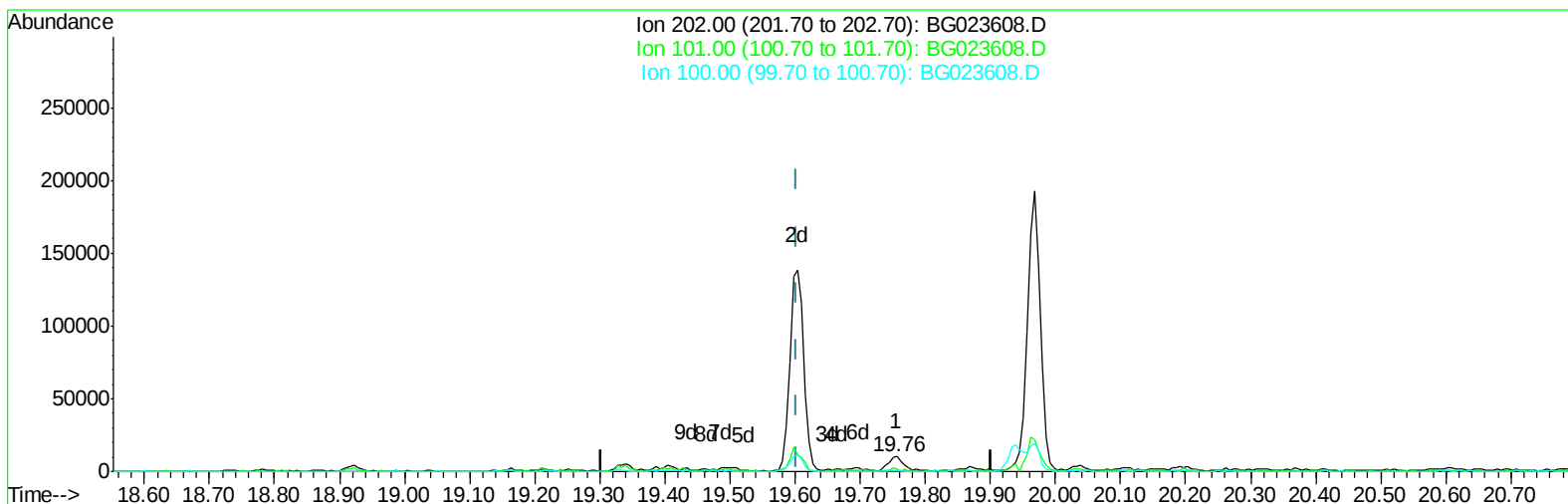
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(74) Fluoranthene (C)

19.757min (+0.154) 0.24ng/ul

response 16546

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	14.09
100.00	10.90	12.33
0.00	0.00	0.00

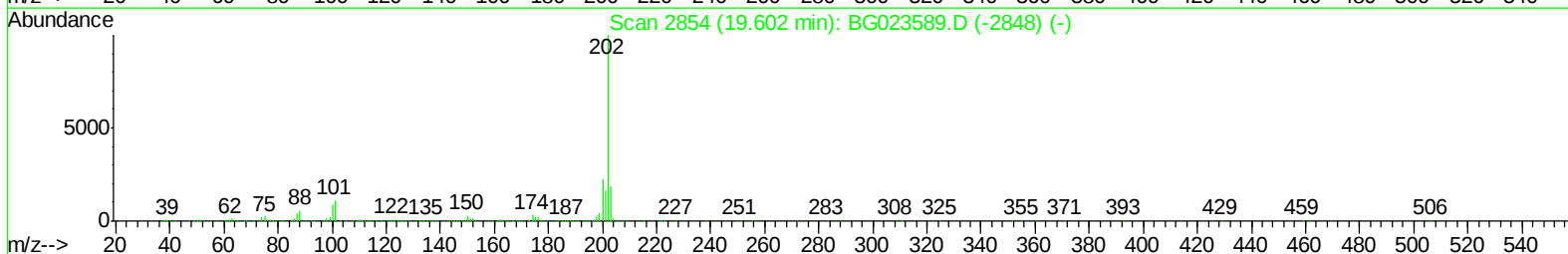
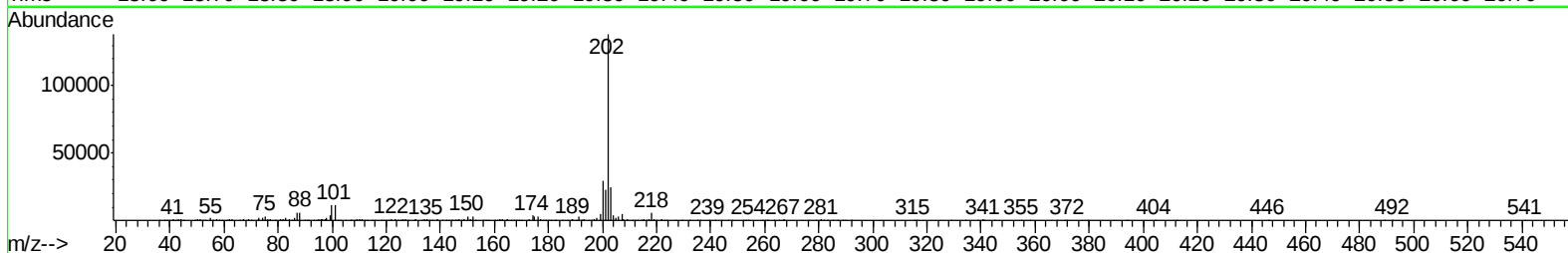
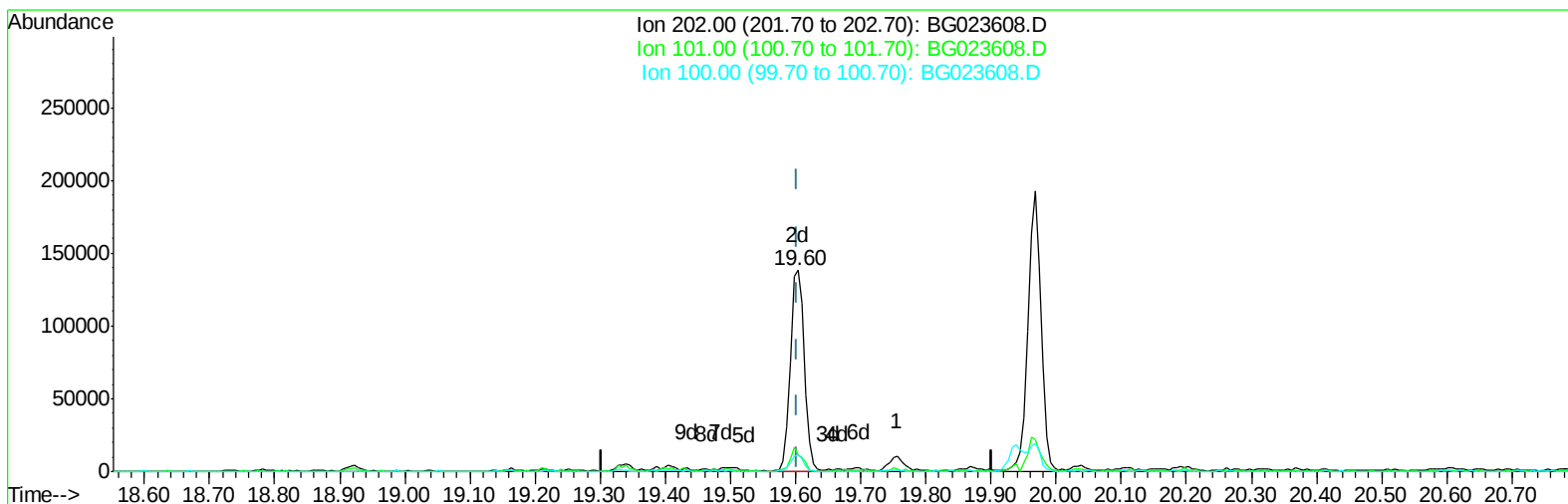
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
 Data File : BG023608.D
 Acq On : 11 Aug 2016 1:05
 Operator : UM/SJ
 Sample : H4384-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 11 03:58:16 2016
 Response via : Initial Calibration



TIC: BG023608.D

(74) Fluoranthene (C)

19.604min (+0.001) 3.01ng/ul m

response 207594

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	8.55#
100.00	10.90	8.28#
0.00	0.00	0.00

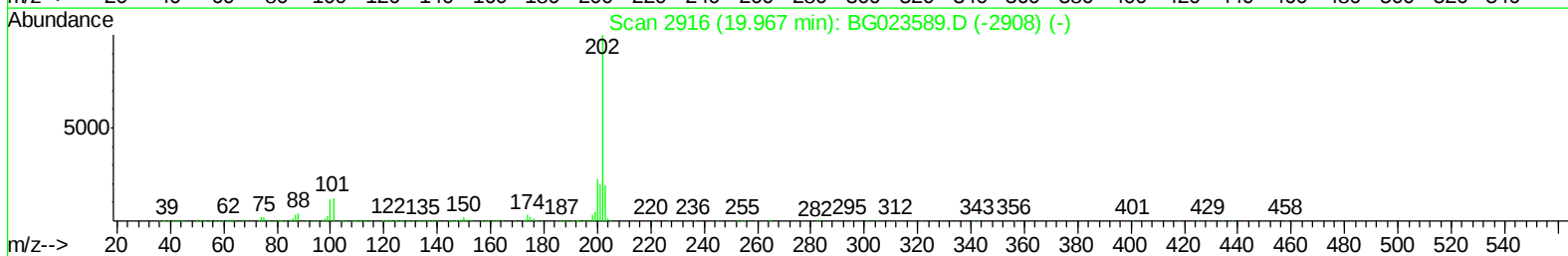
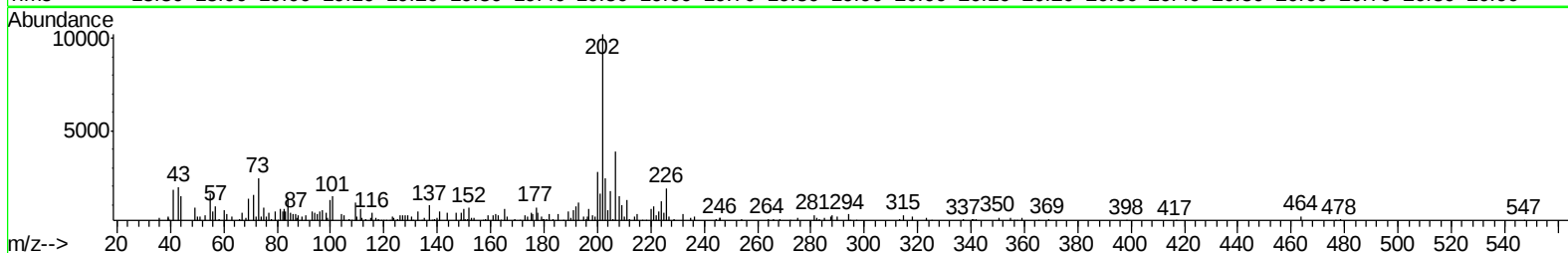
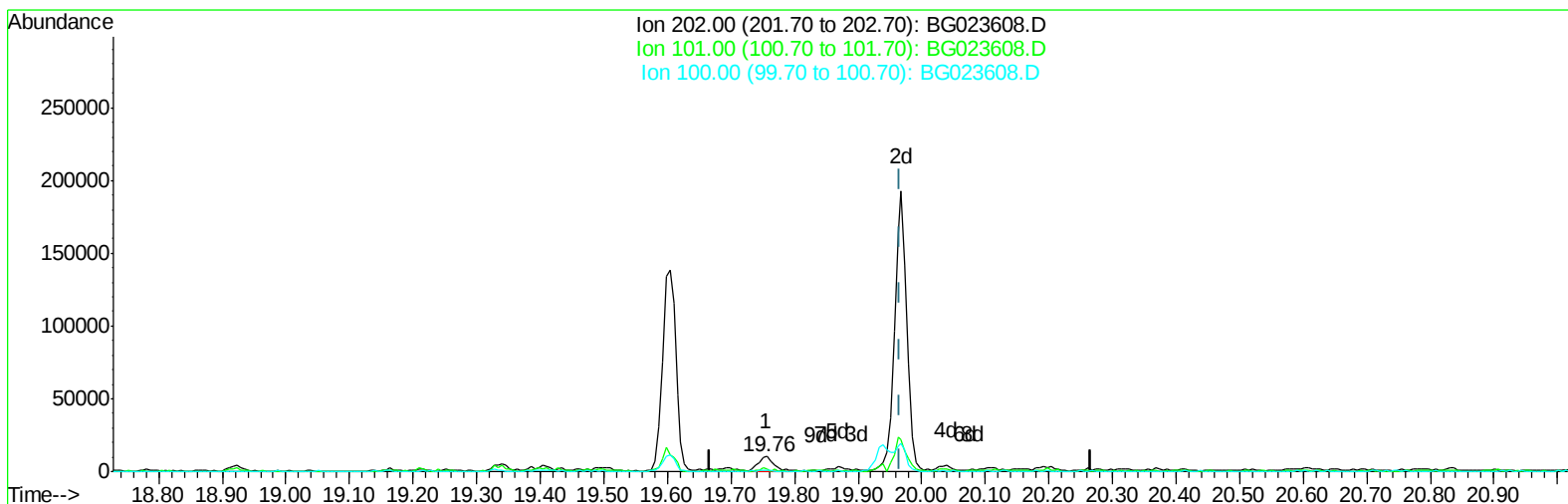
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(77) Pyrene

19.757min (-0.210) 0.21ng/ul

response 16548

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	14.09
100.00	12.80	12.33
0.00	0.00	0.00

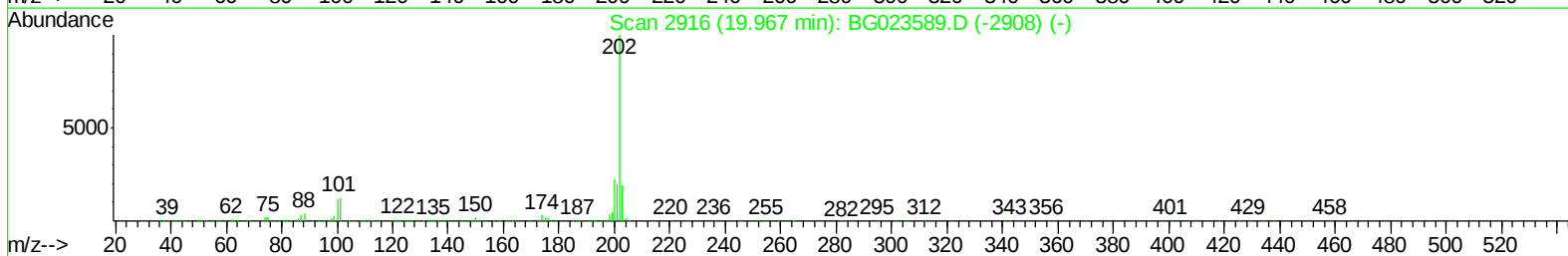
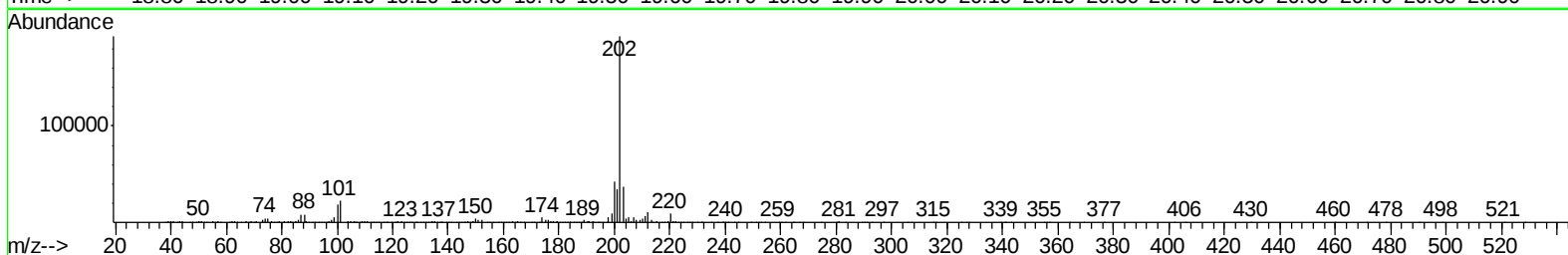
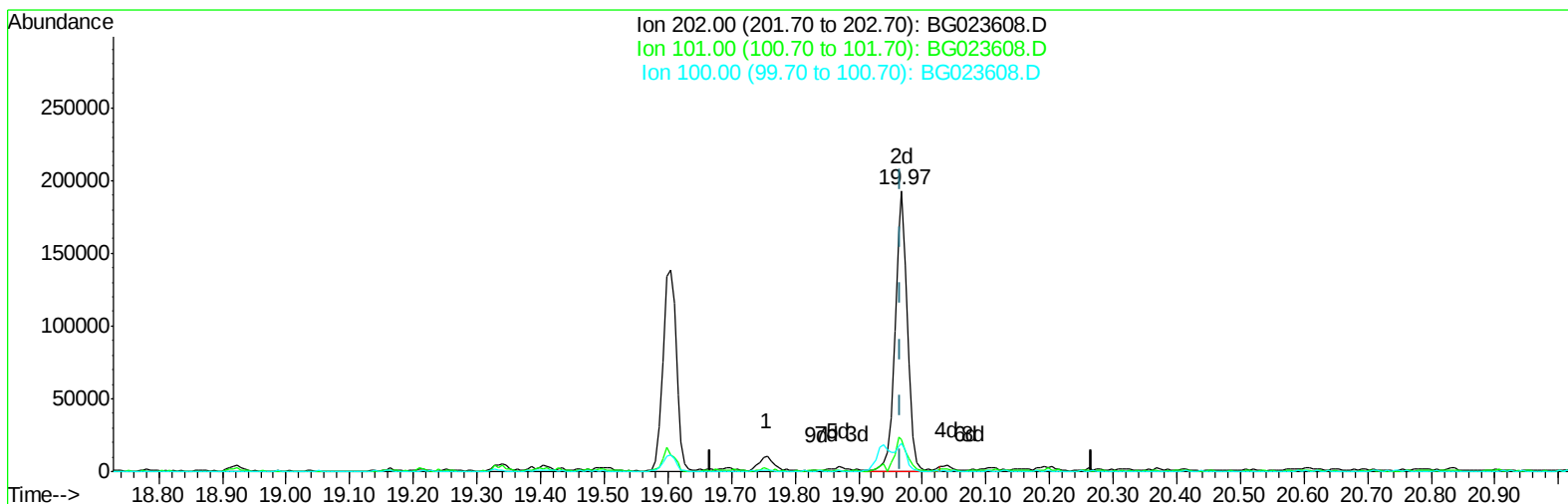
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(77) Pyrene

19.968min (+0.001) 3.43ng/ul m

response 272457

Ion	Exp%	Act%
202.00	100	100
101.00	15.60	11.60#
100.00	12.80	10.00#
0.00	0.00	0.00

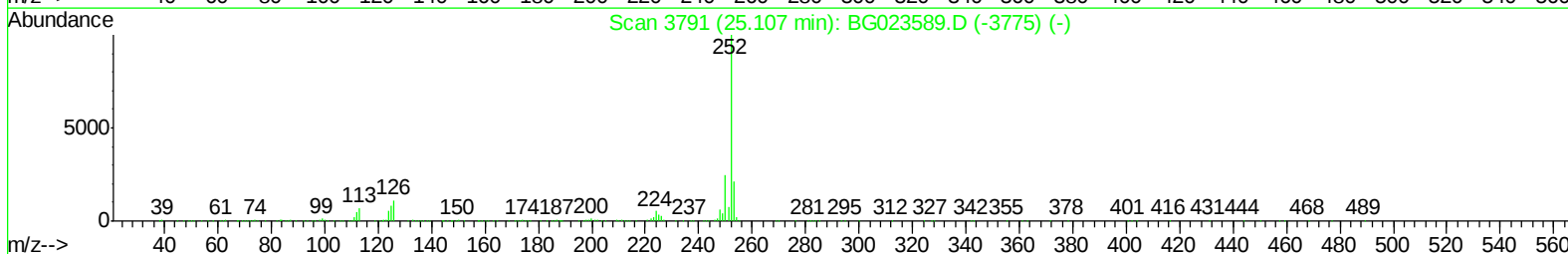
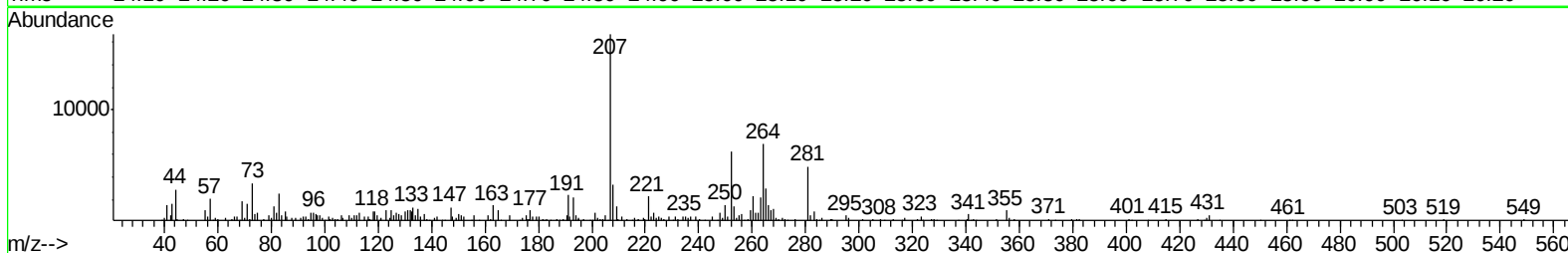
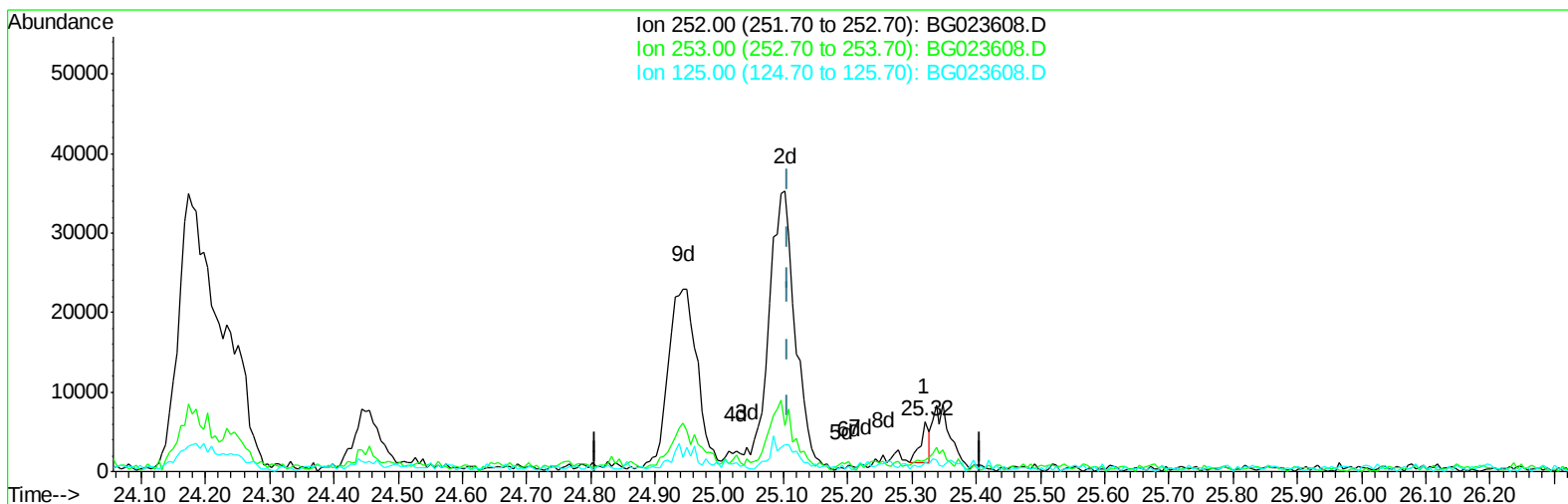
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
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TIC: BG023608.D

(88) Benzo(a)pyrene (C)

25.320min (+0.213) 0.07ng/ul

response 5039

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	22.35
125.00	15.00	16.78
0.00	0.00	0.00

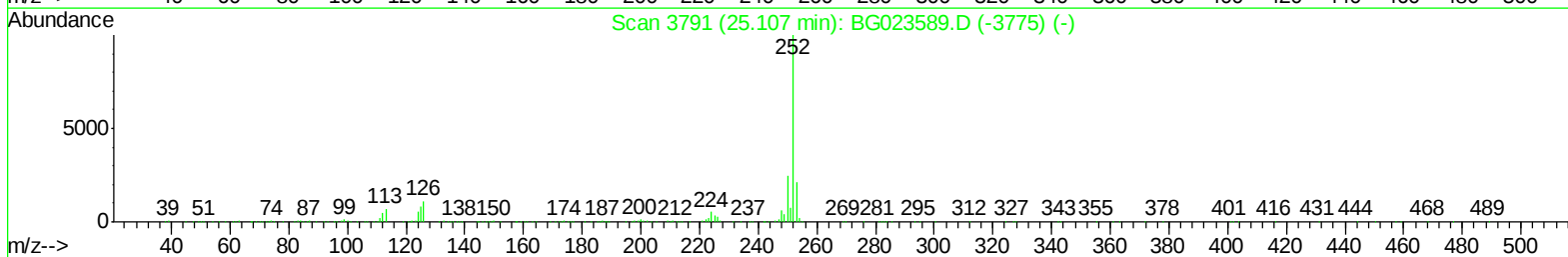
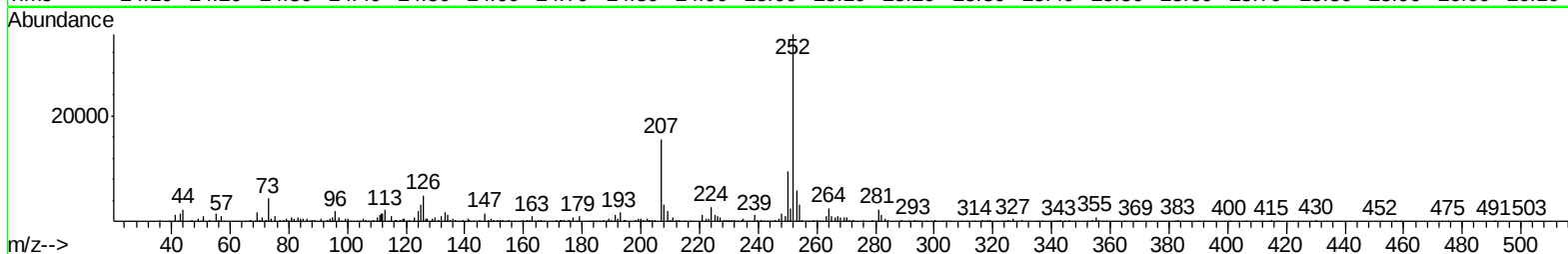
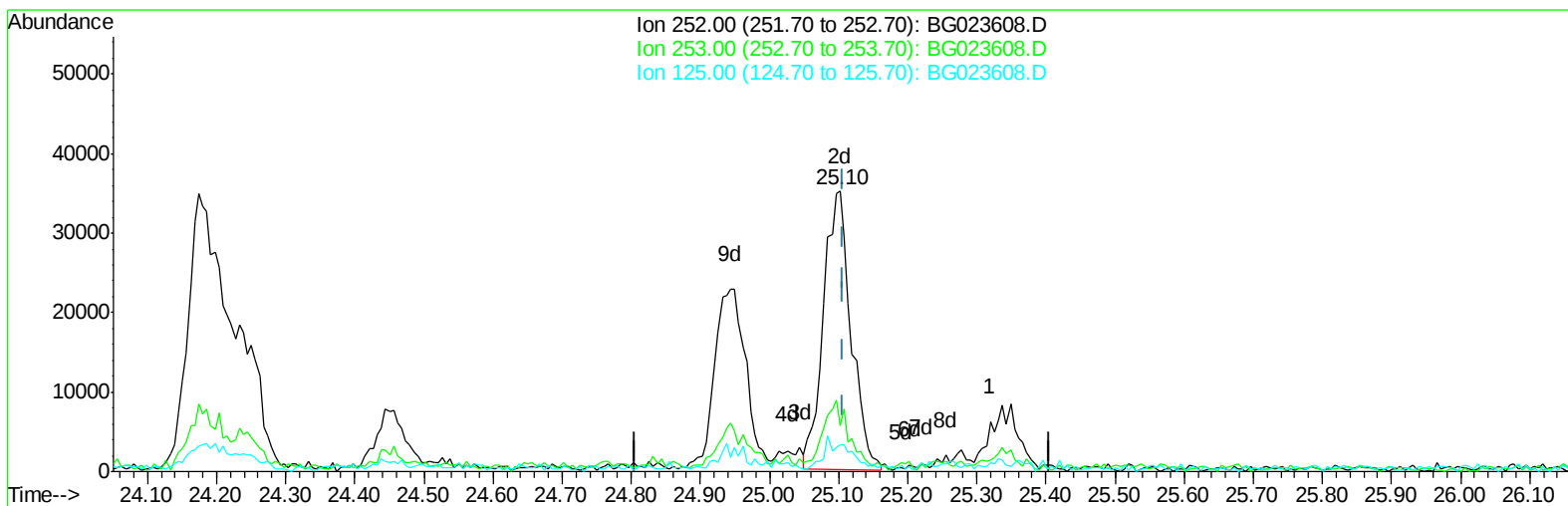
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023608.D
Acq On : 11 Aug 2016 1:05
Operator : UM/SJ
Sample : H4384-06
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS002-3642-01

Manual Integrations
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Quant Time: Aug 11 04:01:14 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration



TIC: BG023608.D

(88) Benzo(a)pyrene (C)

25.102min (-0.005) 1.41ng/ul m

response 97908

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	16.60#
125.00	15.00	9.57#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
 Data File : BG023608.D
 Acq On : 11 Aug 2016 1:05
 Operator : UM/SJ
 Sample : H4384-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P002-SS002-3642-01

Manual Integrations
 APPROVED

sohil
 8/11/2016 6:13:09 PM

Quant Time: Aug 11 05:40:00 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 11 03:58:16 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	155981	20.00	ng/ul	0.00
18) Naphthalene-d8	10.94	136	732886	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	531797	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1300771	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	1284746	20.00	ng/ul	0.00
83) Perylene-d12	25.26	264	1264374	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	14943	4.07	ng/uL	0.00
5) Phenol-d5	7.26	99	333034m	21.19	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.43	67	231749	23.02	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	236273	22.04	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	259300	21.14	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	130305m	22.56	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	155106	23.38	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.56	165	272092m	21.74	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	350519m	23.87	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	1018132	23.38	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1148118	23.43	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	156351	21.03	ng/ul	0.00
57) Fluorene-d10	15.78	176	938502	23.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	171663	20.57	ng/ul	0.00
70) Anthracene-d10	17.65	188	1412128	24.10	ng/ul	0.00
76) Pyrene-d10	19.94	212	1572219	24.18	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	1416621	24.75	ng/ul	0.00

Target Compounds

						Qvalue
44) Dimethylphthalate	14.22	163	619939	14.38	ng/ul	99
69) Phenanthrene	17.59	178	121156	1.80	ng/ul	97
74) Fluoranthene	19.60	202	207594m	3.01	ng/ul	
77) Pyrene	19.97	202	272457m	3.43	ng/ul	
80) Benzo(a)anthracene	21.84	228	121483	1.68	ng/ul	95
82) Chrysene	21.92	228	123768	1.88	ng/ul	98
85) Benzo(b)fluoranthene	24.17	252	122197	1.70	ng/ul#	94
88) Benzo(a)pyrene	25.10	252	97908m	1.41	ng/ul	

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

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