

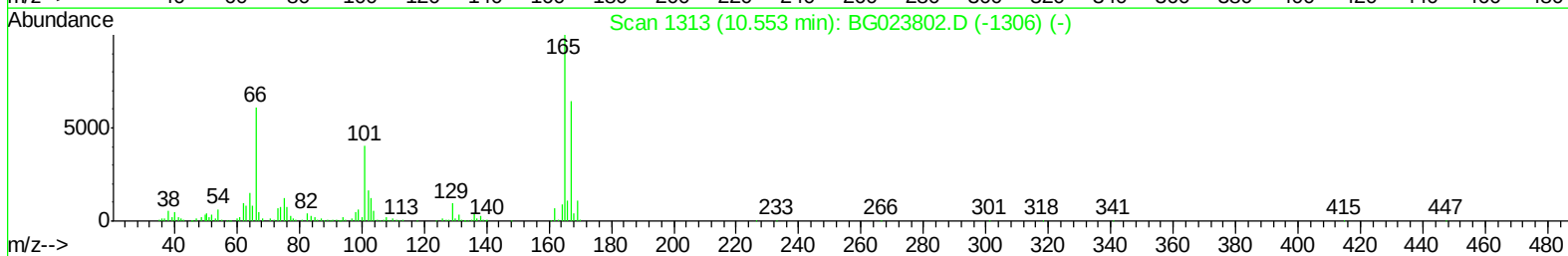
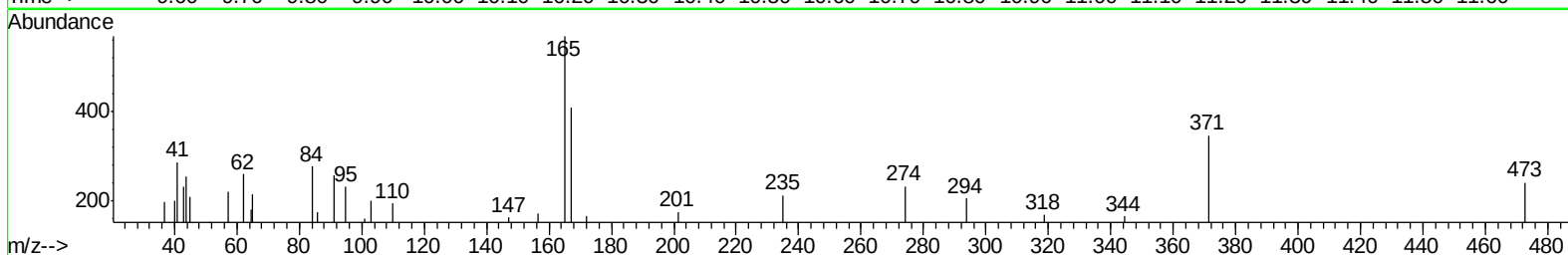
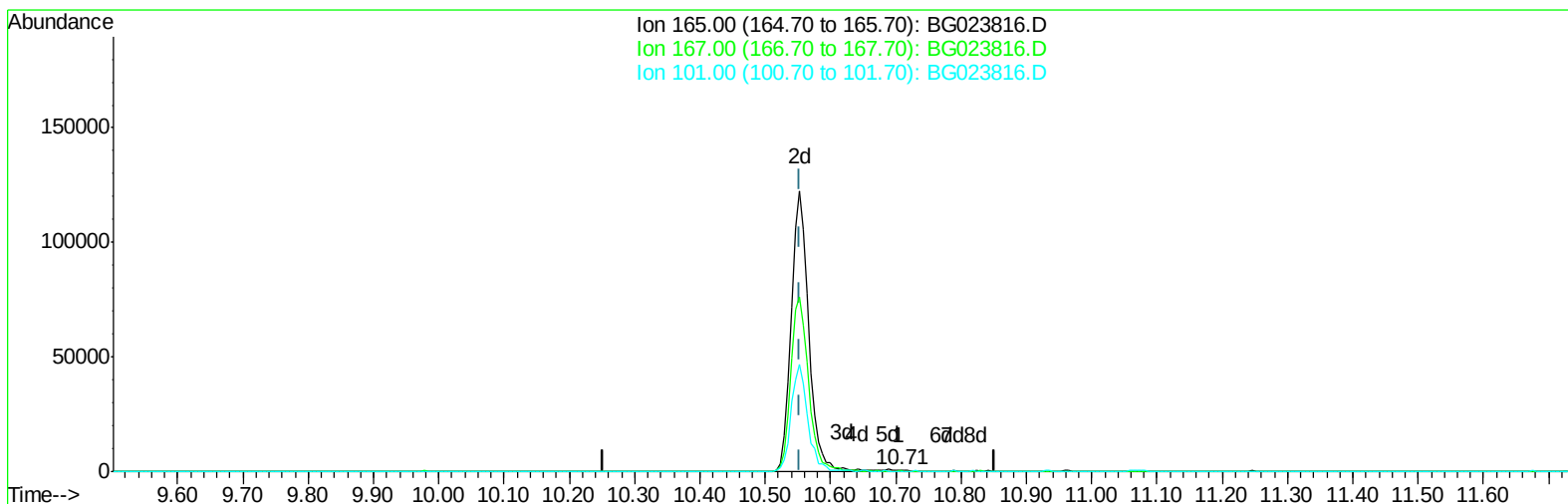
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

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

10.706min (+0.153) 0.10ng/ul

response 762

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	71.65
101.00	31.80	28.35
0.00	0.00	0.00

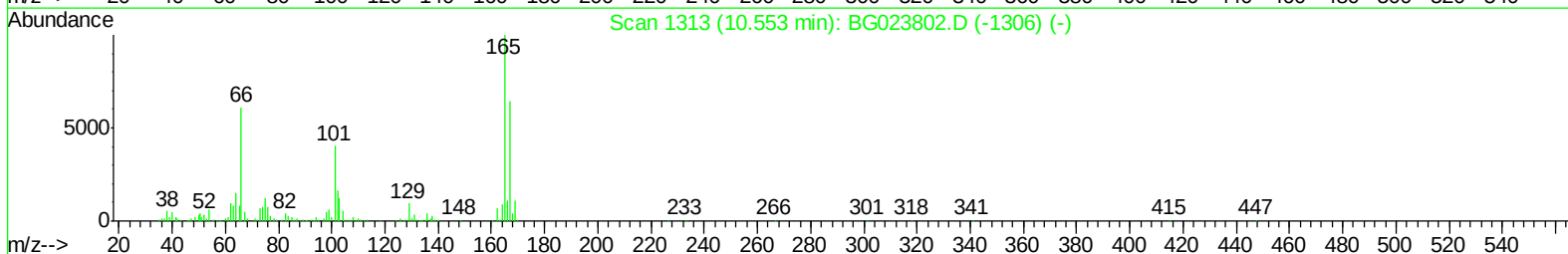
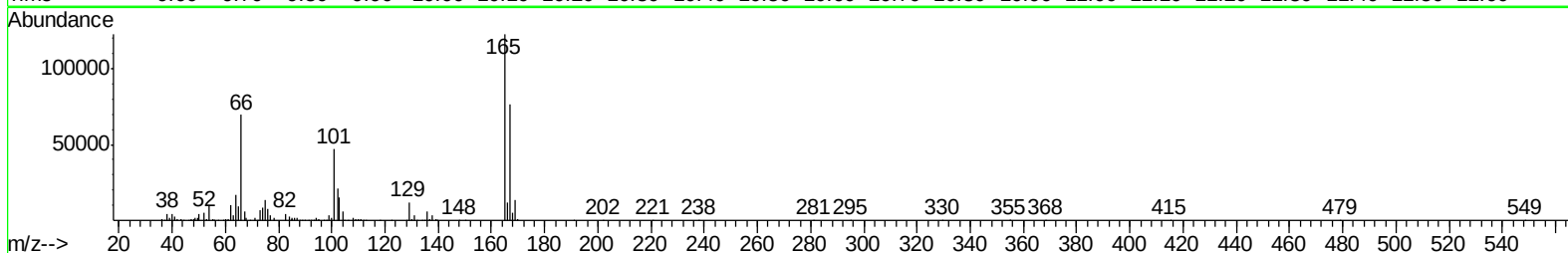
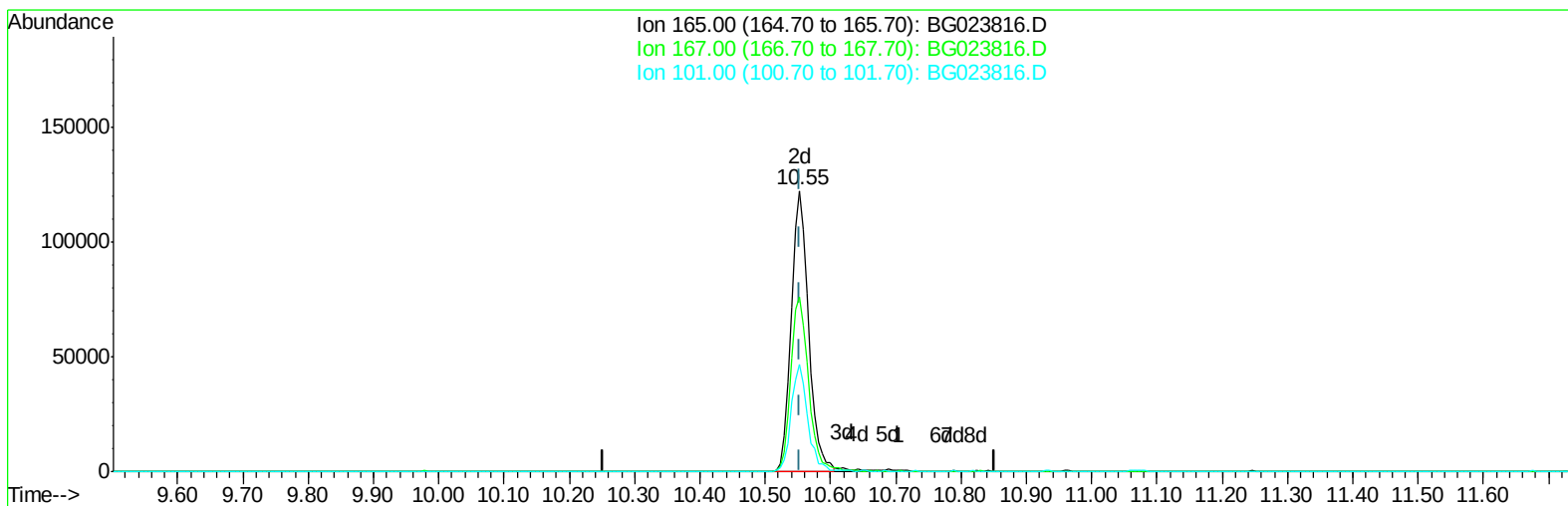
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

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

10.553min (+0.000) 29.37ng/ul m

response 225472

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	62.45
101.00	31.80	38.17#
0.00	0.00	0.00

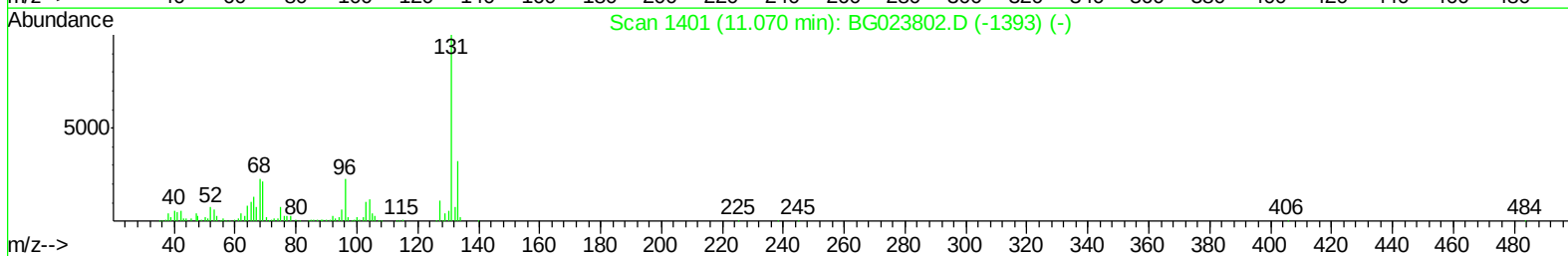
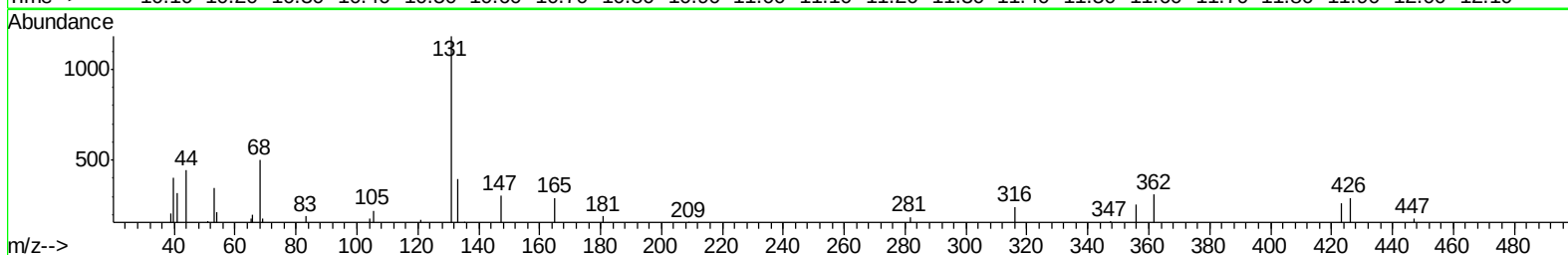
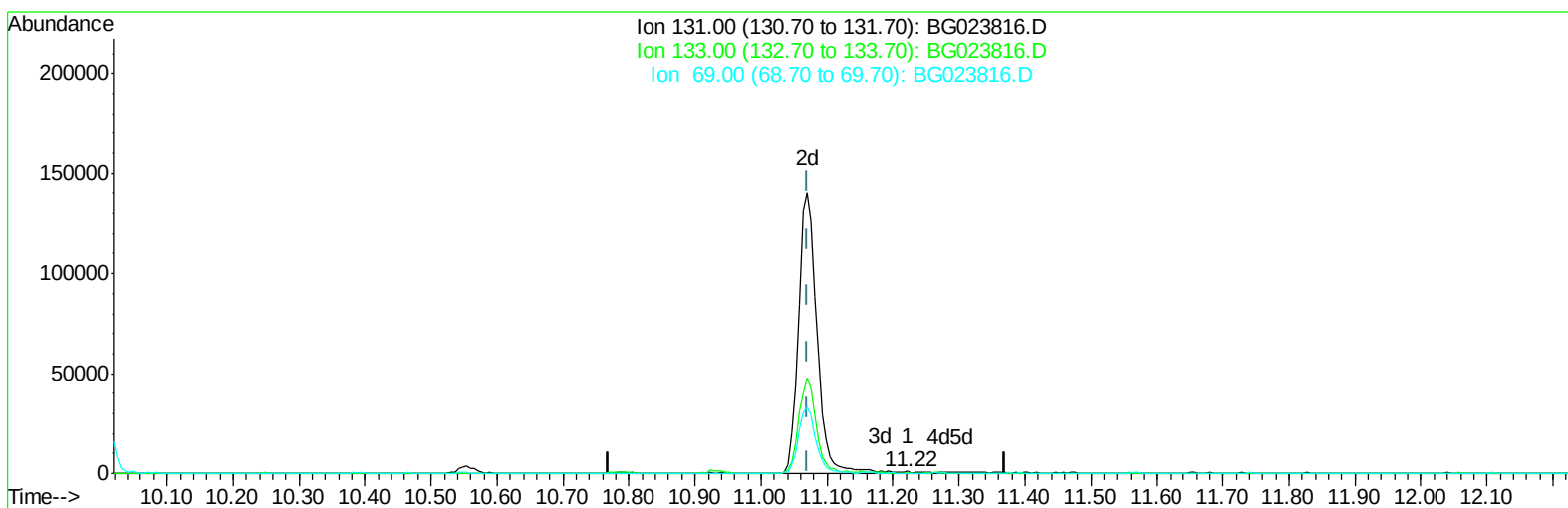
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(29) 4-Chloroaniline-d4 (S)
11.223min (+0.153) 0.05ng/ul
response 503

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	33.67
69.00	15.40	14.89
0.00	0.00	0.00

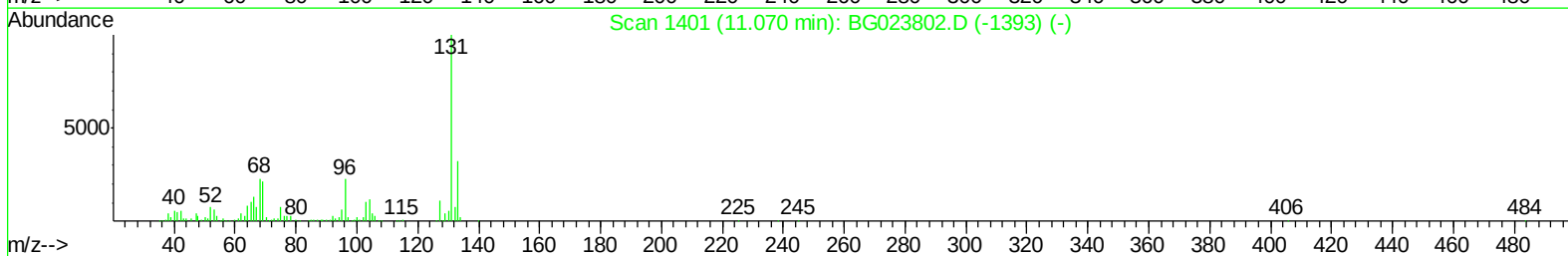
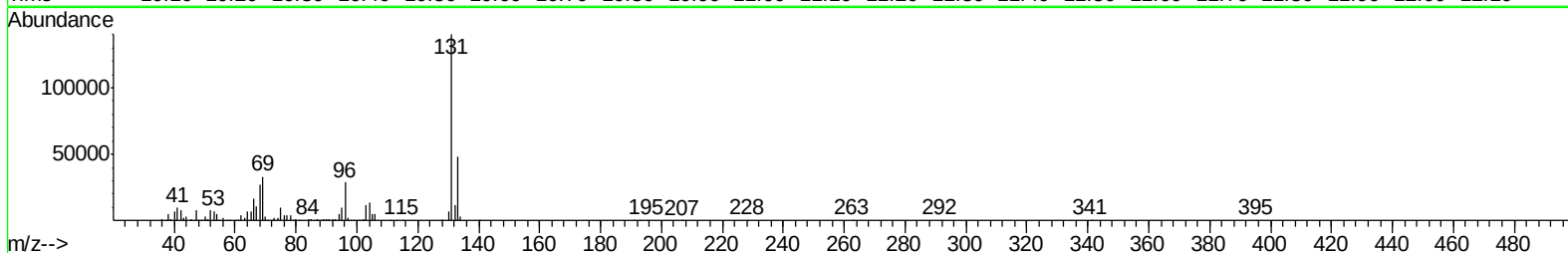
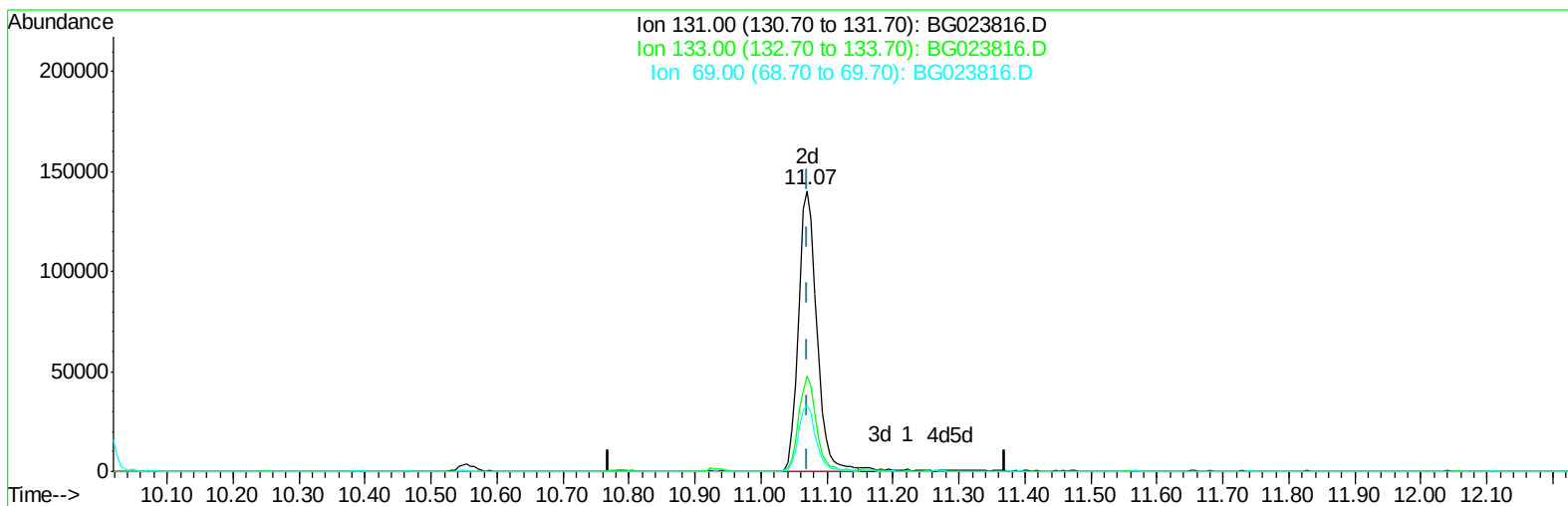
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(29) 4-Chloroaniline-d4 (S)

11.070min (+0.000) 29.16ng/ul m

response 273894

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	34.06
69.00	15.40	23.53#
0.00	0.00	0.00

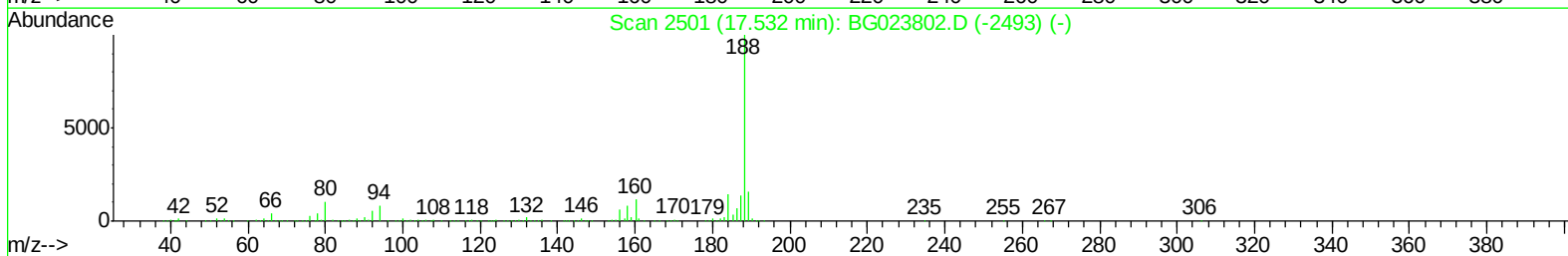
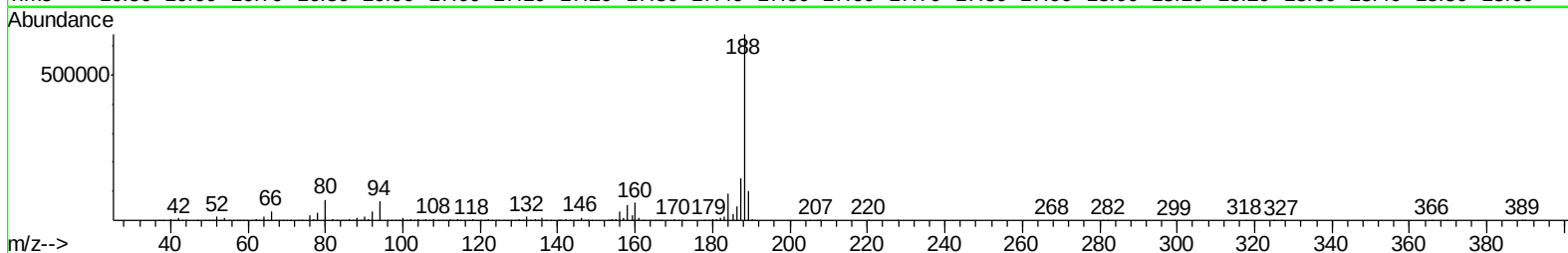
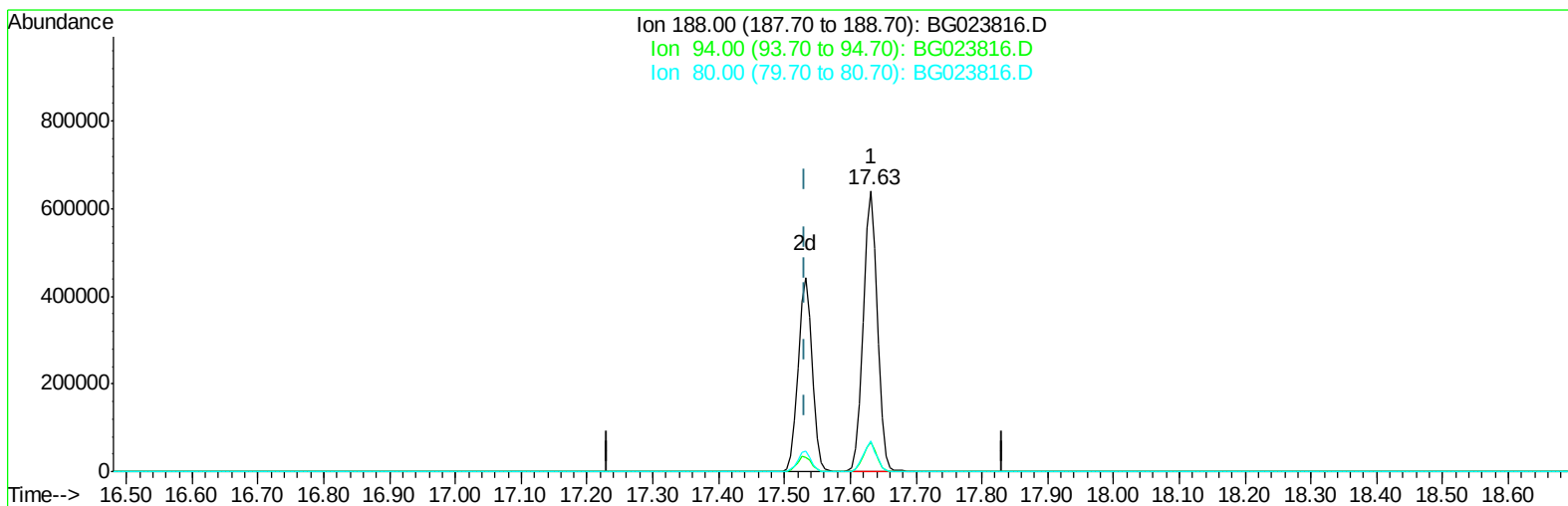
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(61) Phenanthrene-d10 (I)

17.632min (+0.100) 20.00ng/ul

response 959093

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	10.65
80.00	10.90	11.09
0.00	0.00	0.00

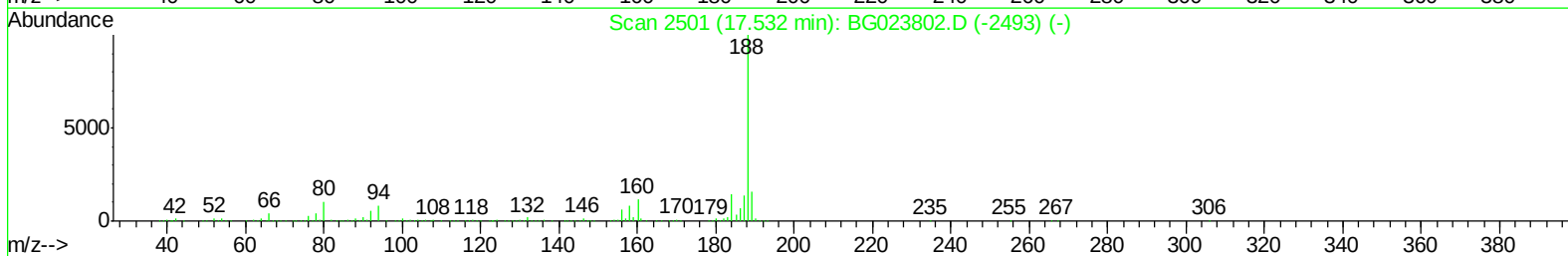
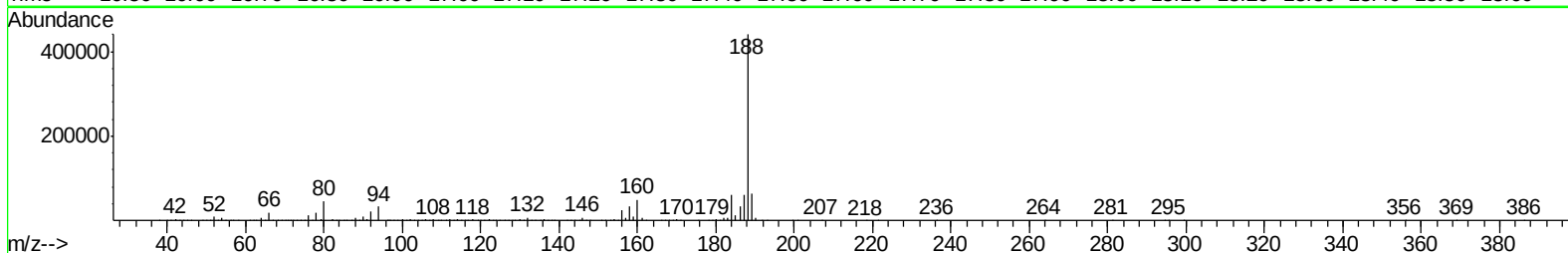
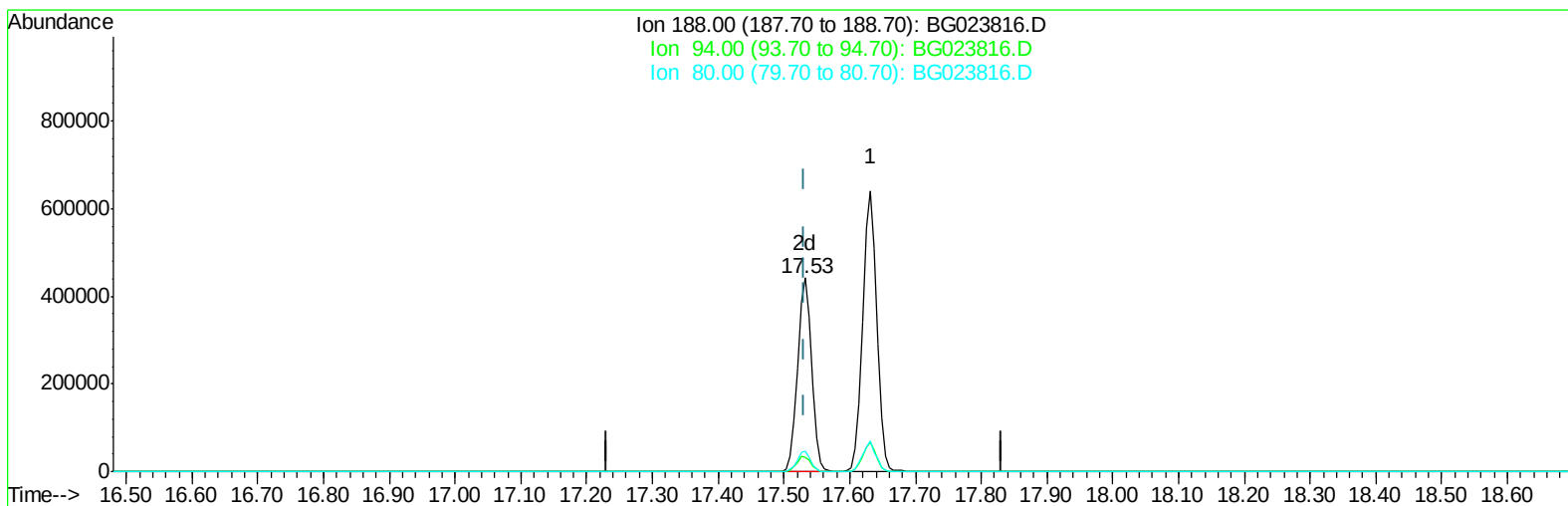
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(61) Phenanthrene-d10 (I)

17.532min (+0.000) 20.00ng/ul m

response 658228

Ion	Exp%	Act%
188.00	100	100
94.00	10.30	7.48#
80.00	10.90	10.42
0.00	0.00	0.00

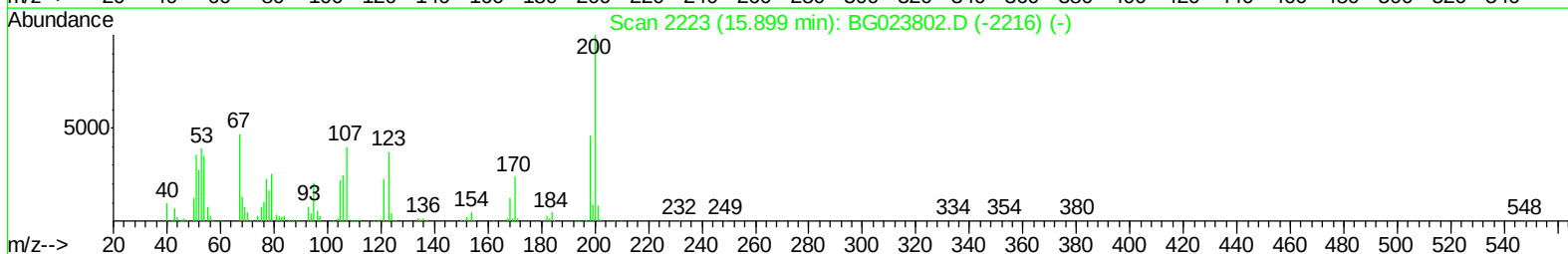
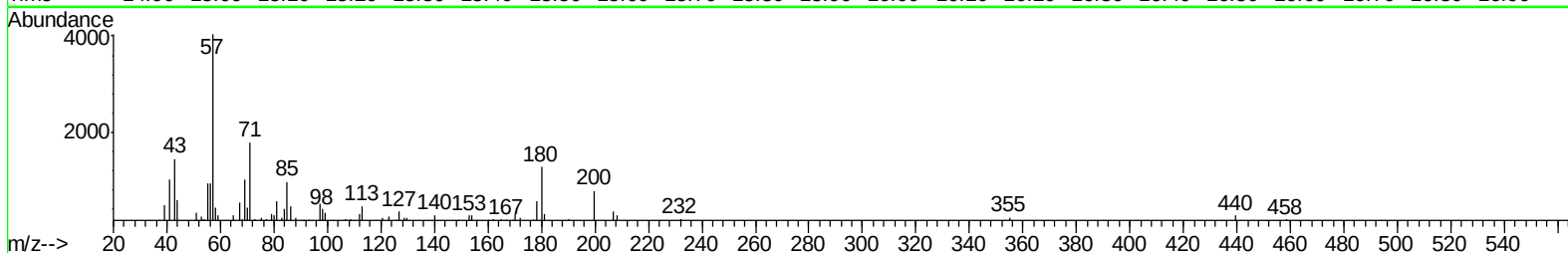
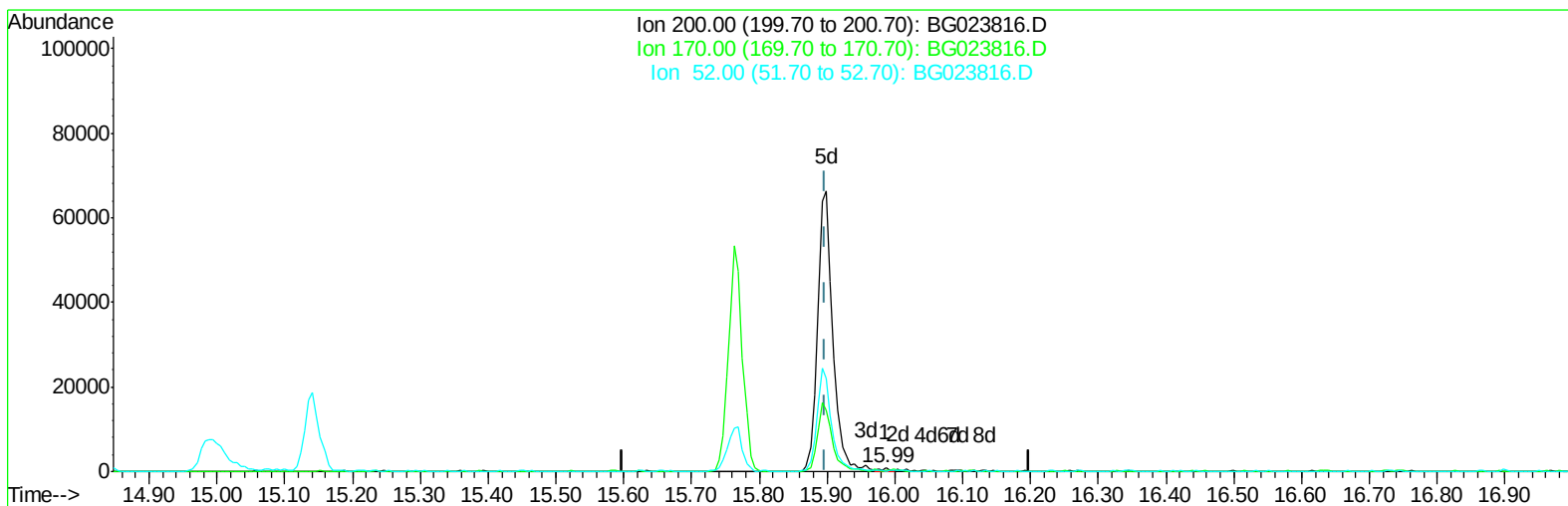
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

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

15.987min (+0.088) 0.19ng/ul

response 778

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	37.48#
52.00	32.20	0.00#
0.00	0.00	0.00

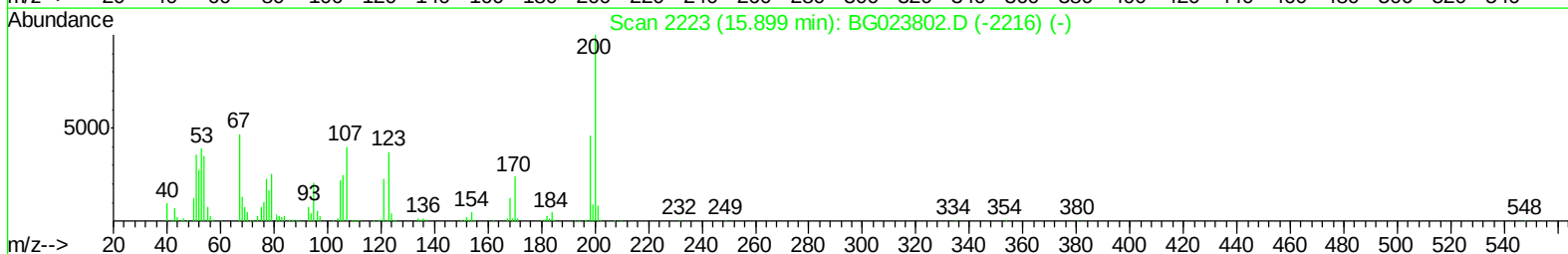
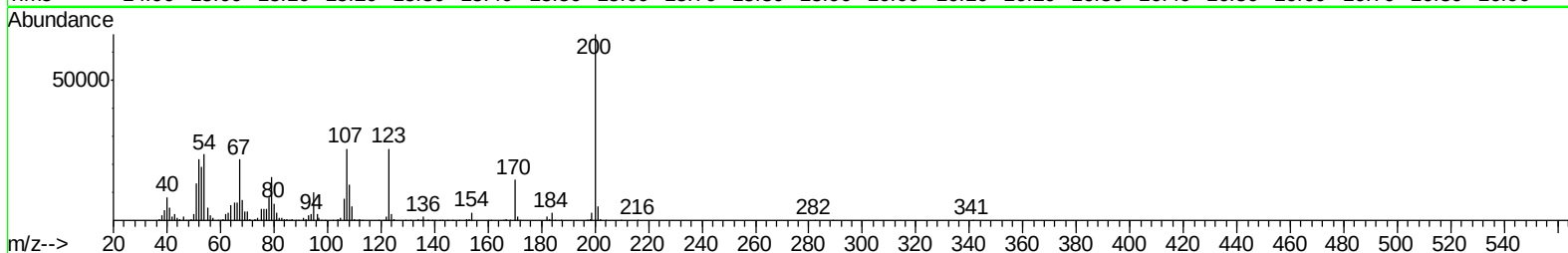
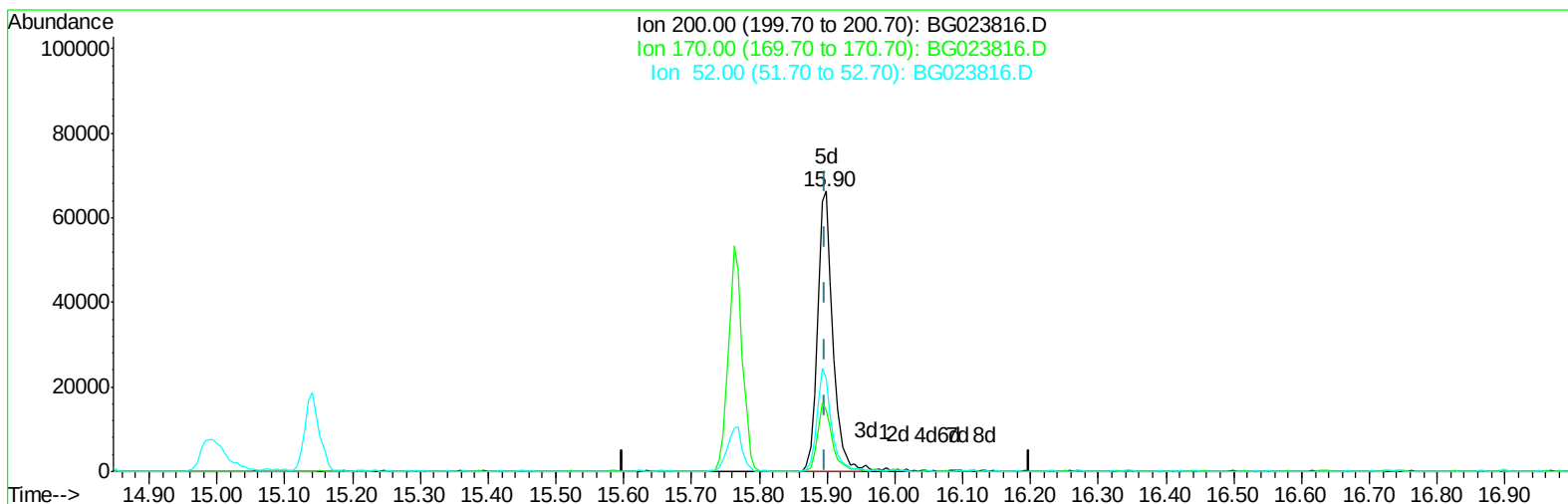
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 03:43:59 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

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

15.899min (+0.000) 25.05ng/ul m

response 104522

Ion	Exp%	Act%
200.00	100	100
170.00	15.20	21.96#
52.00	32.20	33.31
0.00	0.00	0.00

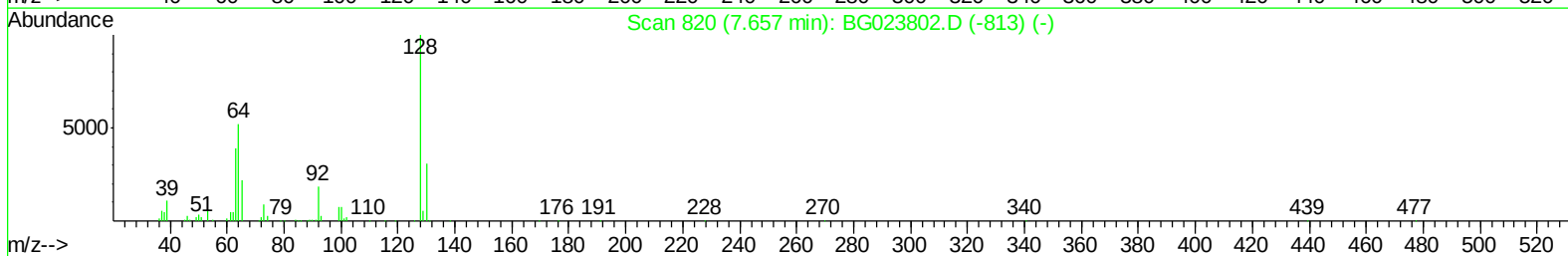
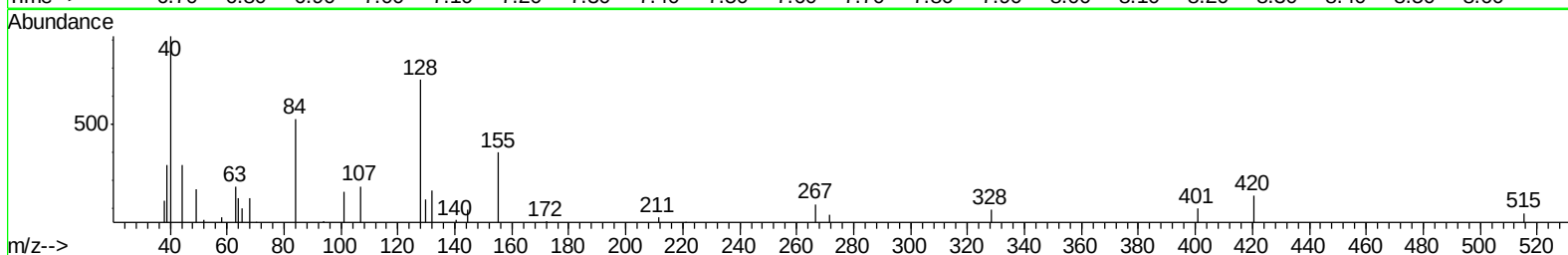
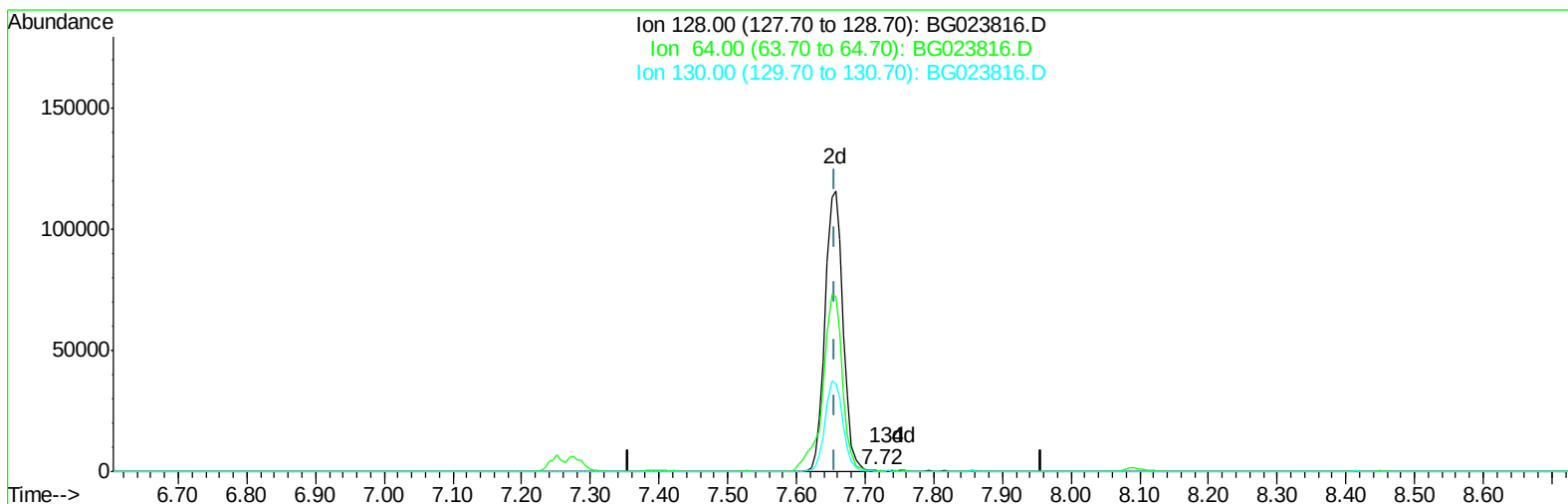
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:41:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(10) 2-Chlorophenol

7.716min (+0.059) 0.05ng/ul

response 383

Ion	Exp%	Act%
128.00	100	100
64.00	42.80	35.98
130.00	33.70	35.21
0.00	0.00	0.00

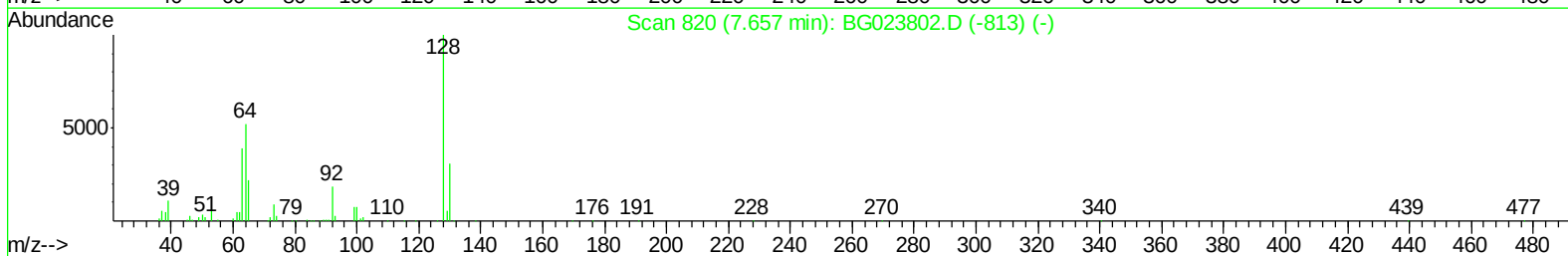
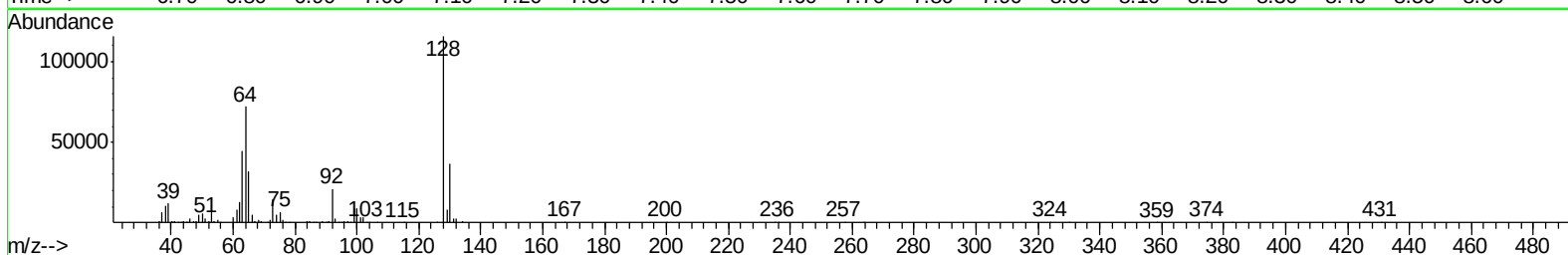
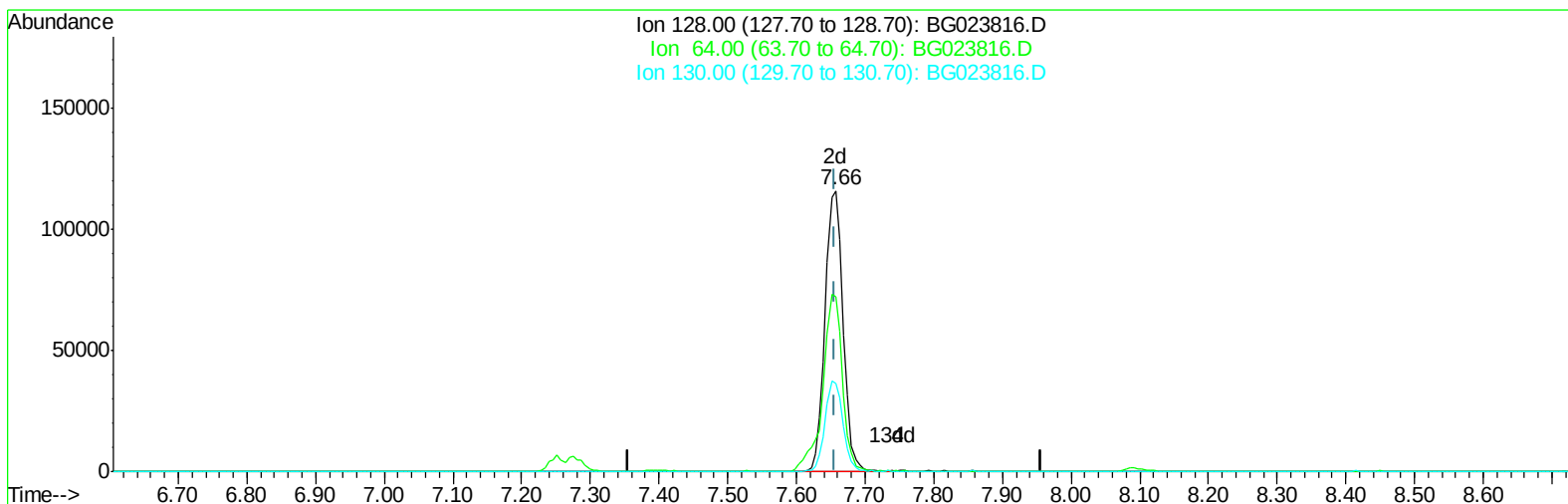
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:41:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(10) 2-Chlorophenol

7.657min (+0.000) 27.89ng/ul m

response 210909

Ion	Exp%	Act%
128.00	100	100
64.00	42.80	62.10#
130.00	33.70	31.37
0.00	0.00	0.00

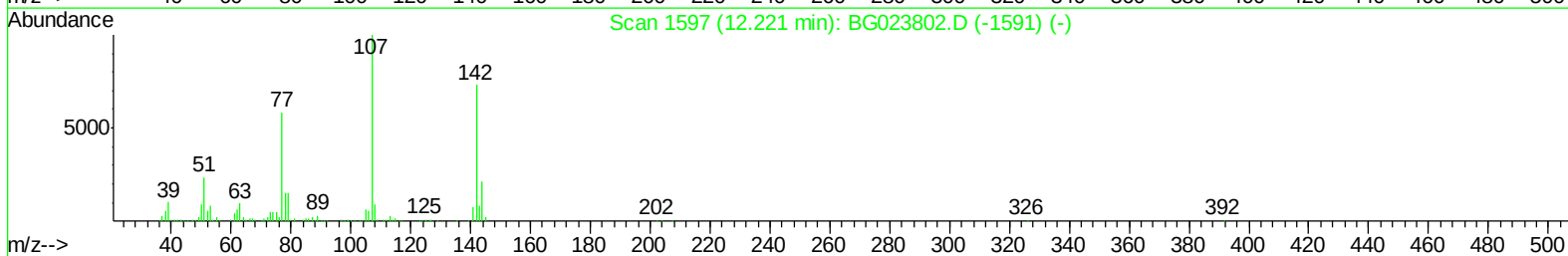
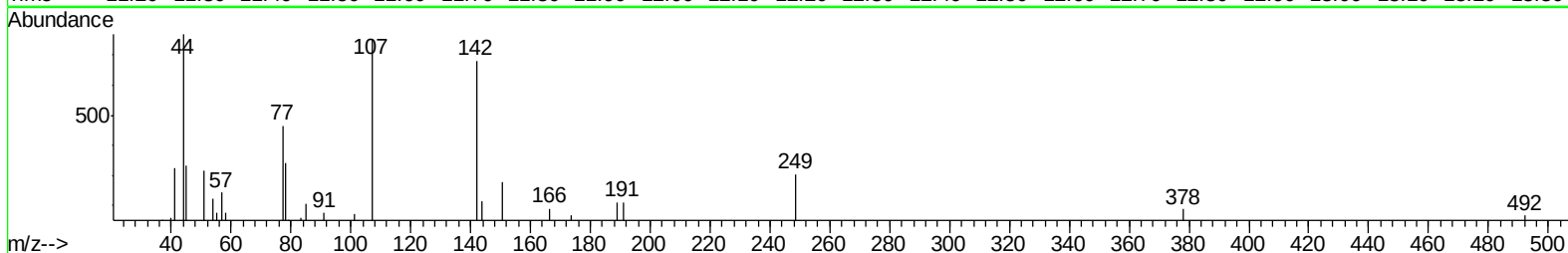
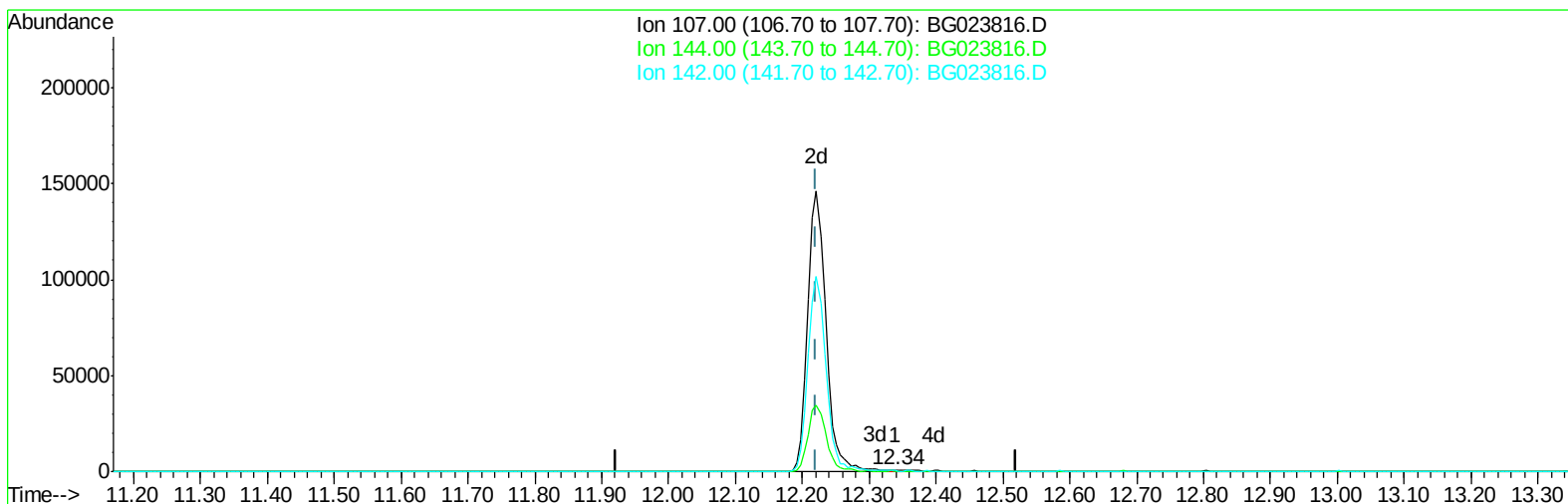
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:41:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(33) 4-Chloro-3-methylphenol (C)

12.339min (+0.118) 0.08ng/ul

response 770

Ion	Exp%	Act%
107.00	100	100
144.00	28.40	28.25
142.00	89.50	90.45
0.00	0.00	0.00

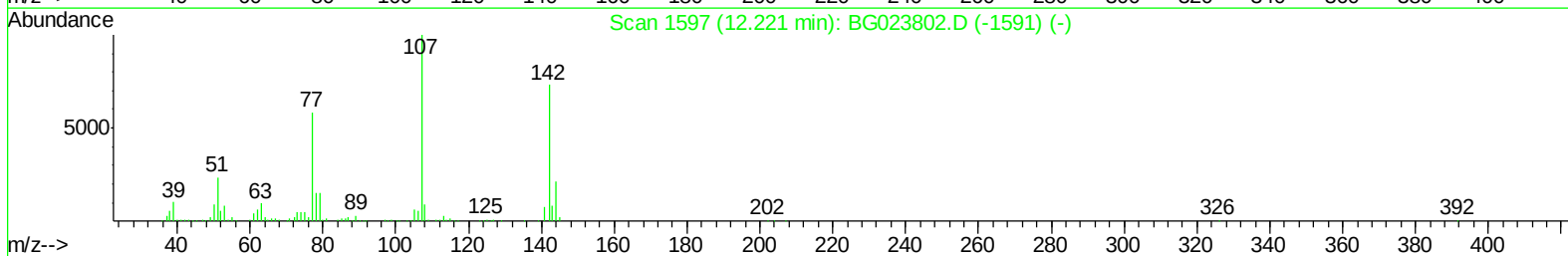
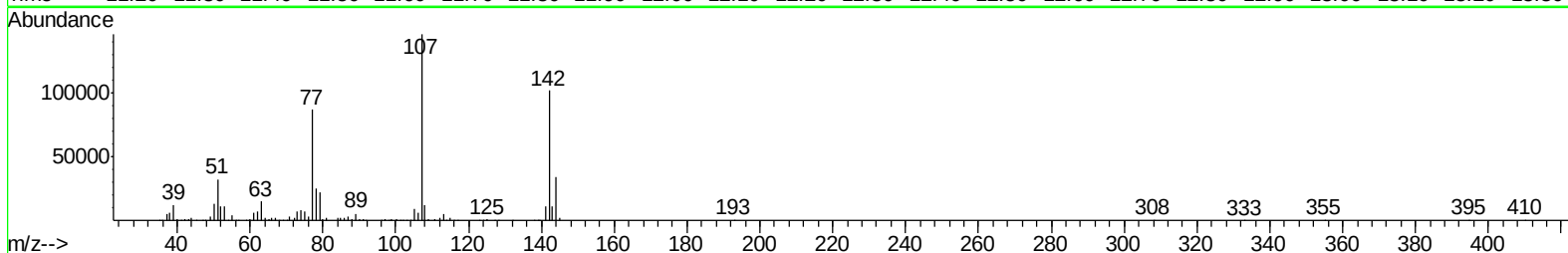
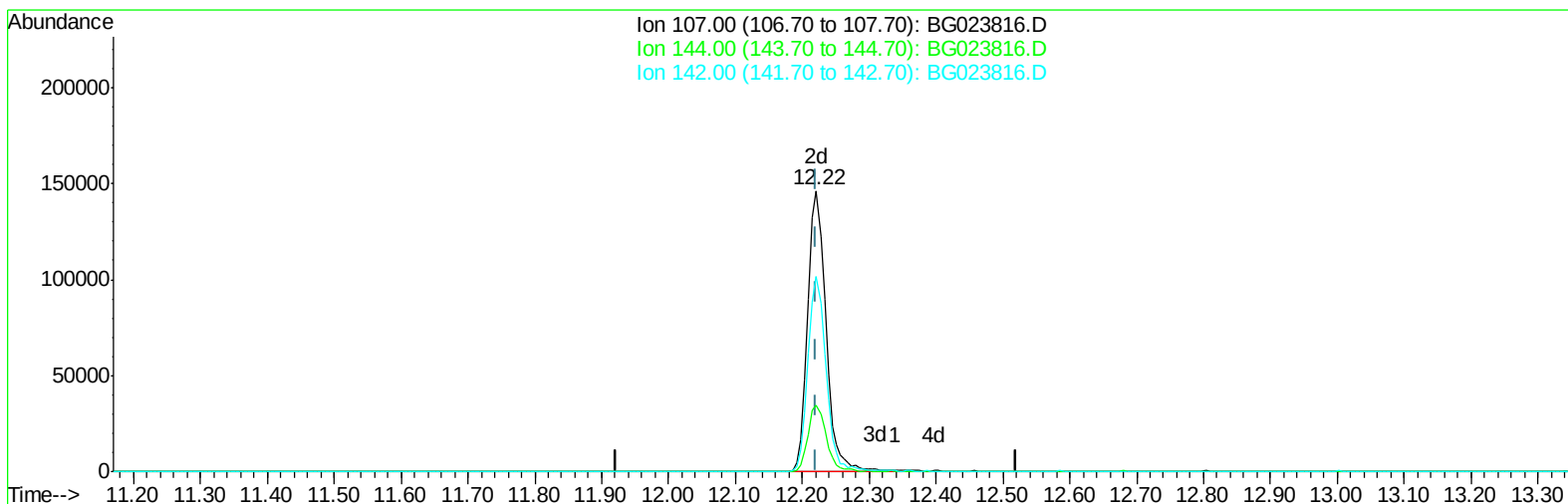
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:41:05 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(33) 4-Chloro-3-methylphenol (C)

12.221min (+0.000) 28.85ng/ul m

response 273263

Ion	Exp%	Act%
107.00	100	100
144.00	28.40	23.72
142.00	89.50	69.78#
0.00	0.00	0.00

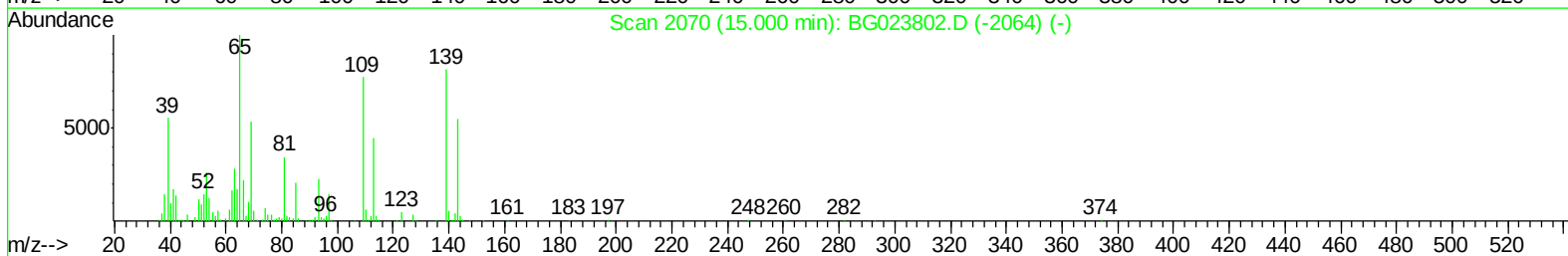
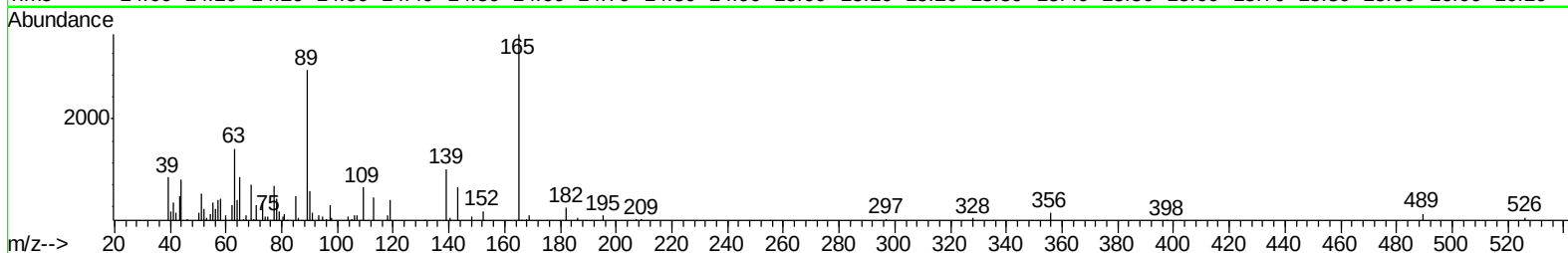
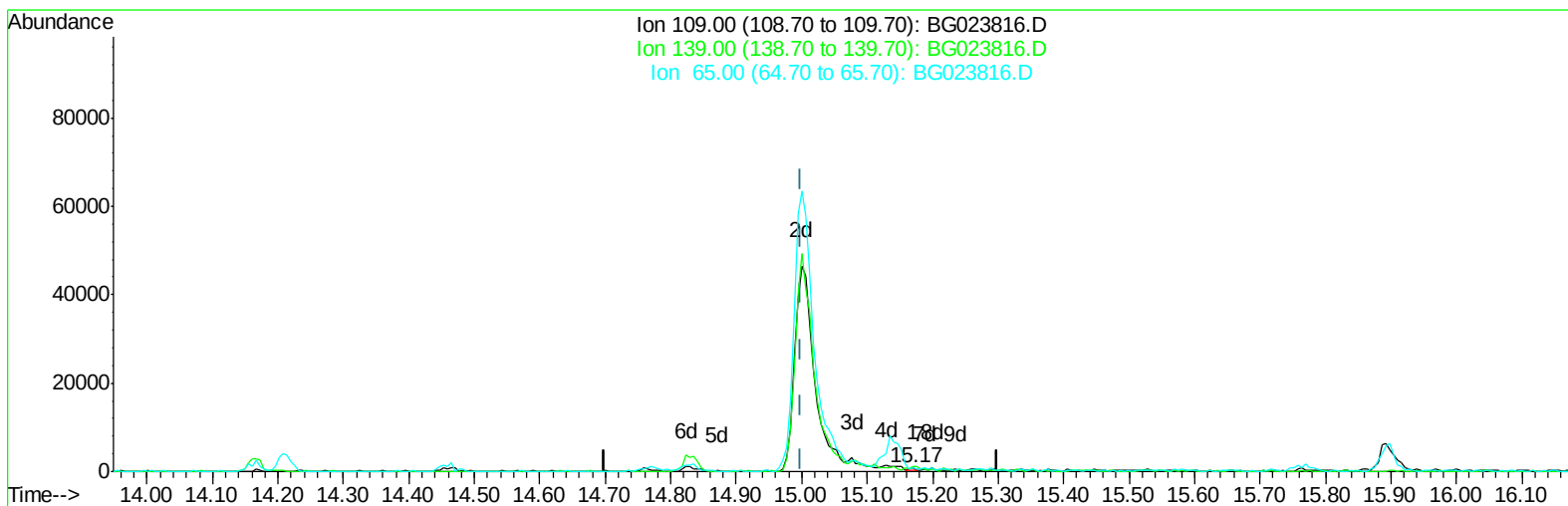
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:43:04 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(52) 4-Nitrophenol

15.170min (+0.171) 0.07ng/ul

response 275

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	144.73
65.00	132.50	125.90
0.00	0.00	0.00

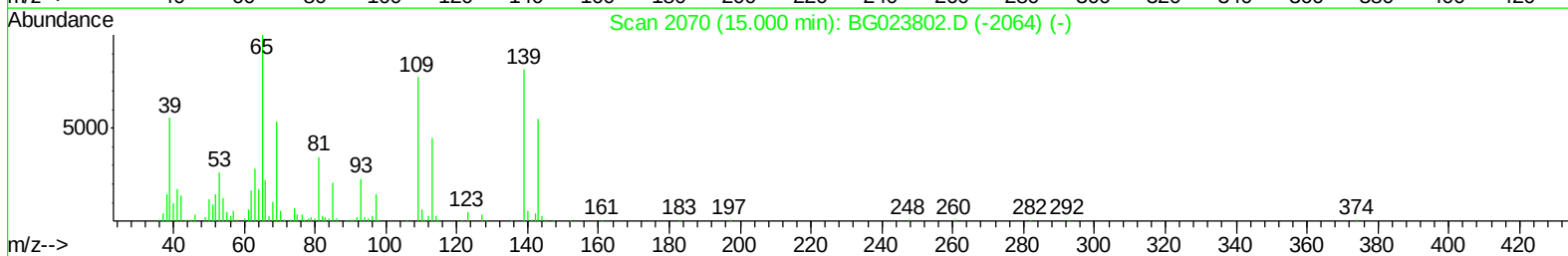
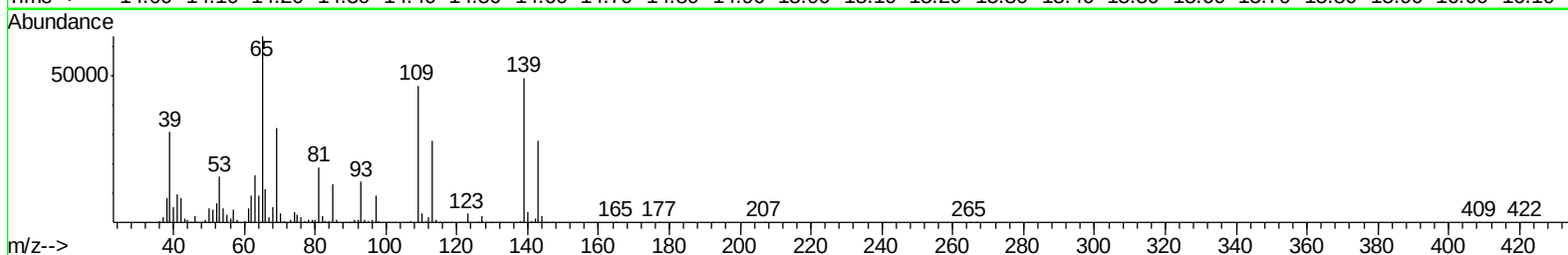
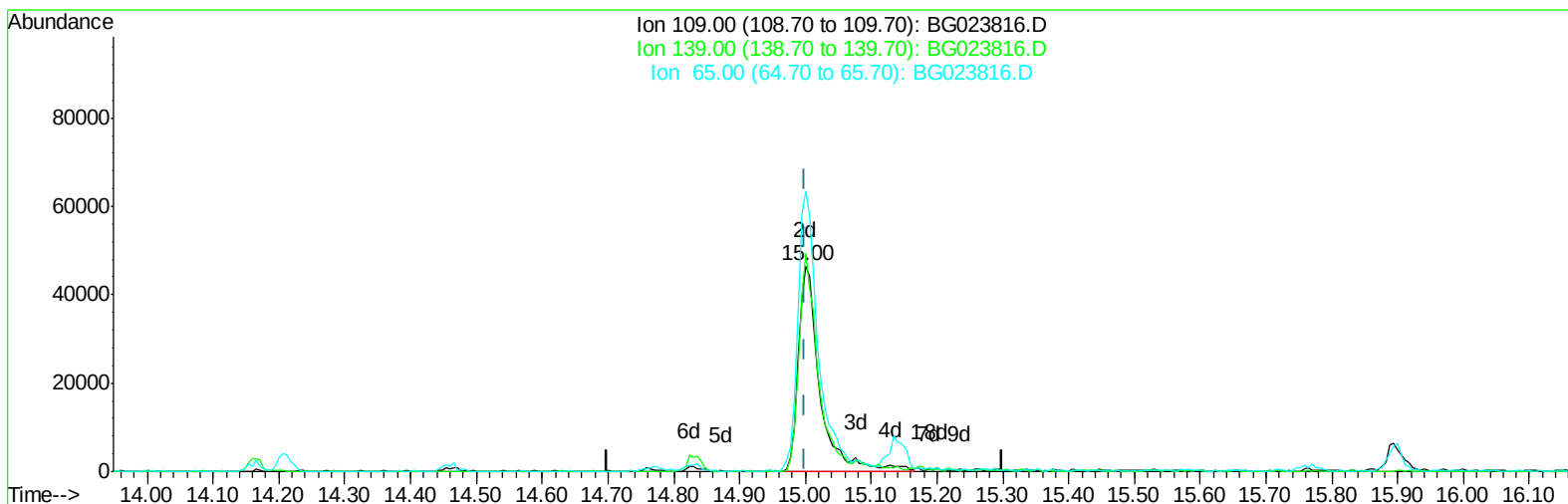
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:43:04 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration



TIC: BG023816.D

(52) 4-Nitrophenol

15.000min (+0.000) 27.10ng/ul m

response 106786

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	105.58#
65.00	132.50	136.20
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
 Data File : BG023816.D
 Acq On : 20 Aug 2016 14:04
 Operator : UM/SJ
 Sample : H4496-14MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 JHPT9MSD

Manual Integrations
 APPROVED

sohil
 8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:44:50 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 22 03:42:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.09	152	111383	20.00	ng/ul	0.00
18) Naphthalene-d8	10.93	136	460976	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.76	164	292780	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.53	188	658228m	20.00	ng/ul	0.00
75) Chrysene-d12	21.85	240	746774	20.00	ng/ul	0.00
83) Perylene-d12	25.23	264	749233	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.46	96	13589	5.54	ng/uL	0.00
5) Phenol-d5	7.25	99	297265	28.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	209927	29.33	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	215563	29.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.81	113	234664	28.74	ng/ul	0.00
19) Nitrobenzene-d5	9.27	128	110547	29.69	ng/ul	0.00
22) 2-Nitrophenol-d4	10.00	143	131940	31.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.55	165	225472m	29.37	ng/ul	0.00
29) 4-Chloroaniline-d4	11.07	131	273894m	29.16	ng/ul	0.00
43) Dimethylphthalate-d6	14.17	166	741025	30.53	ng/ul	0.00
46) Acenaphthylene-d8	14.46	160	844144	30.71	ng/ul	0.00
51) 4-Nitrophenol-d4	14.99	143	101337	25.83	ng/ul	0.00
57) Fluorene-d10	15.76	176	638499	30.13	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	104522m	25.05	ng/ul	0.00
70) Anthracene-d10	17.63	188	959093	31.60	ng/ul	0.00
76) Pyrene-d10	19.92	212	1100756	30.72	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.00	264	1114631	32.49	ng/ul	0.01

Target Compounds

						Qvalue
6) Phenol	7.28	94	325613	30.43	ng/ul#	70
10) 2-Chlorophenol	7.66	128	210909m	27.89	ng/ul	
15) N-Nitroso-di-n-propylamine	8.90	70	231126	28.11	ng/ul#	85
33) 4-Chloro-3-methylphenol	12.22	107	273263m	28.85	ng/ul	
44) Dimethylphthalate	14.21	163	482550	19.88	ng/ul	98
49) Acenaphthene	14.83	153	574450	29.95	ng/ul	96
52) 4-Nitrophenol	15.00	109	106786m	27.10	ng/ul	
54) 2,4-Dinitrotoluene	15.14	165	218983	28.92	ng/ul#	69
68) Pentachlorophenol	17.19	266	118810	33.57	ng/ul	94
77) Pyrene	19.95	202	1309607	29.67	ng/ul#	93

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG082016\
Data File : BG023816.D
Acq On : 20 Aug 2016 14:04
Operator : UM/SJ
Sample : H4496-14MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
JHPT9MSD

Manual Integrations
APPROVED

sohil
8/22/2016 3:53:55 PM

Quant Time: Aug 22 04:44:50 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG081816.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Aug 22 03:42:09 2016
Response via : Initial Calibration

