

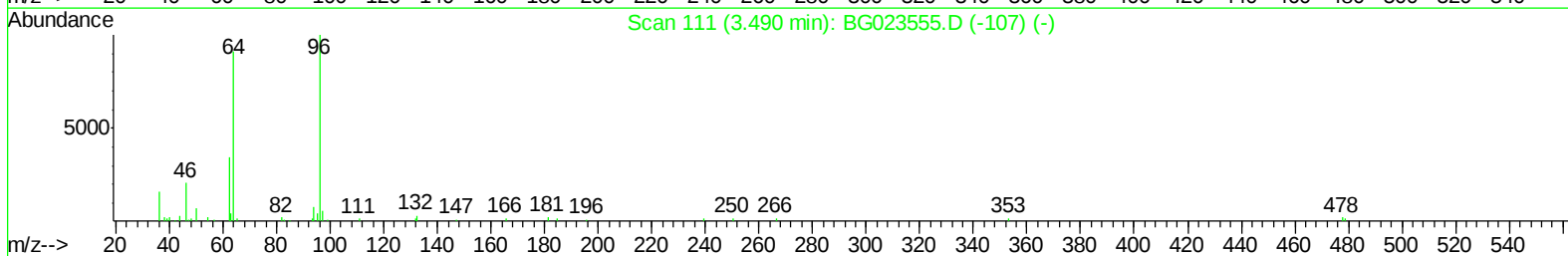
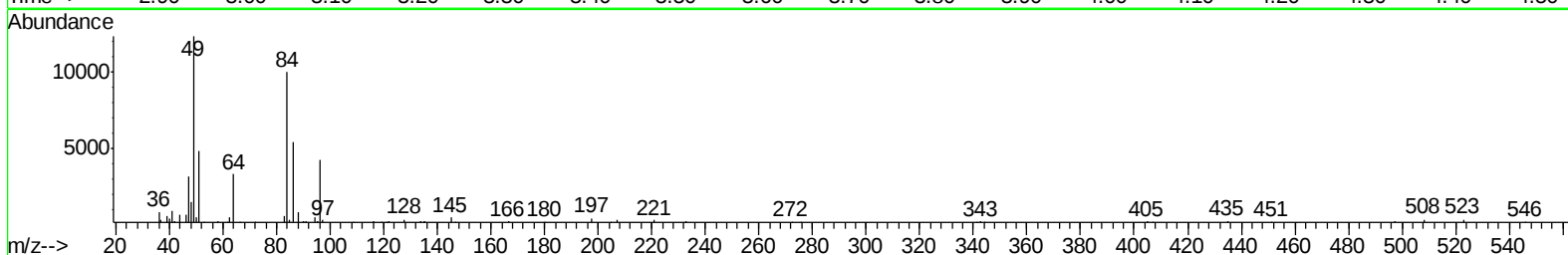
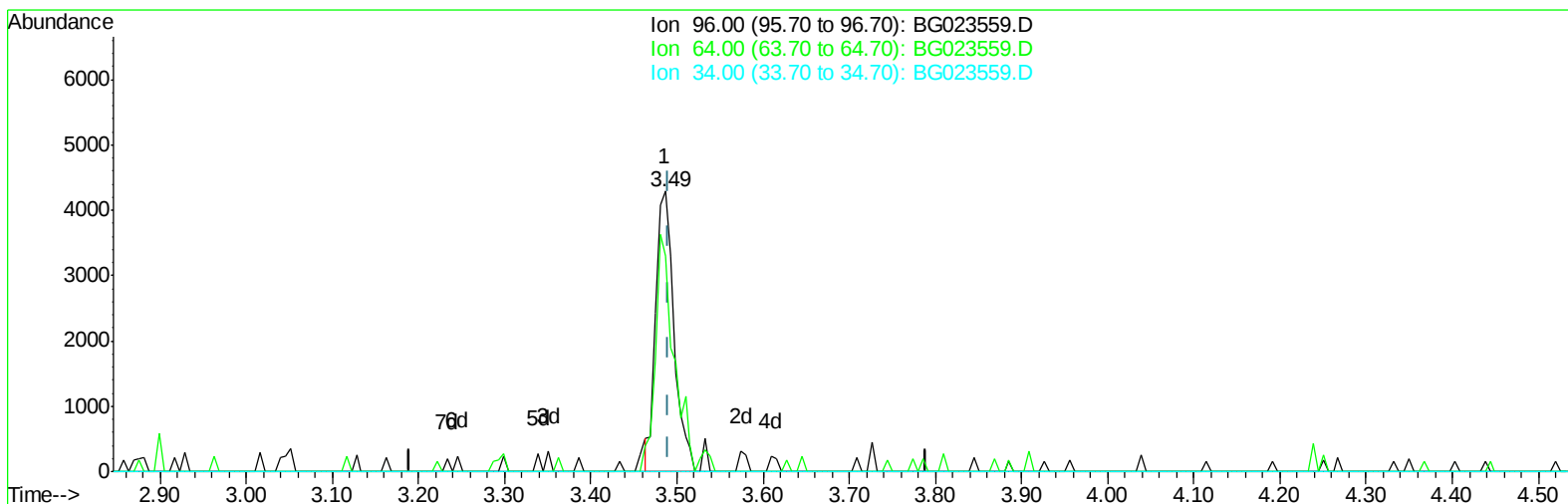
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
APPROVED

sohil
8/10/2016 6:49:32 PM

Quant Time: Aug 10 05:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

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

3.486min (-0.004) 1.89ng/uL

response 6313

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	76.75
34.00	0.00	0.00
0.00	0.00	0.00

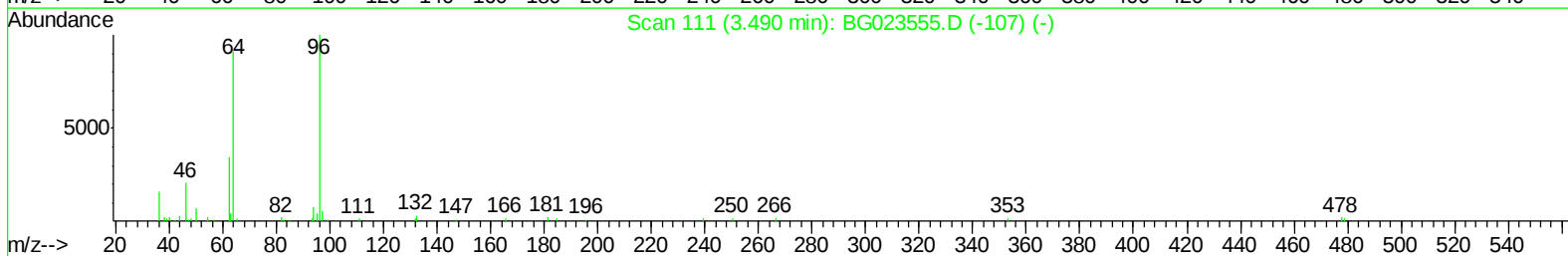
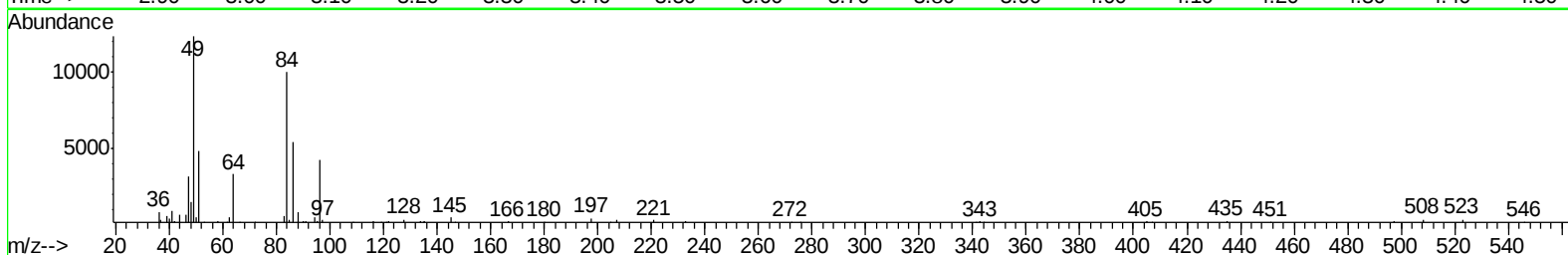
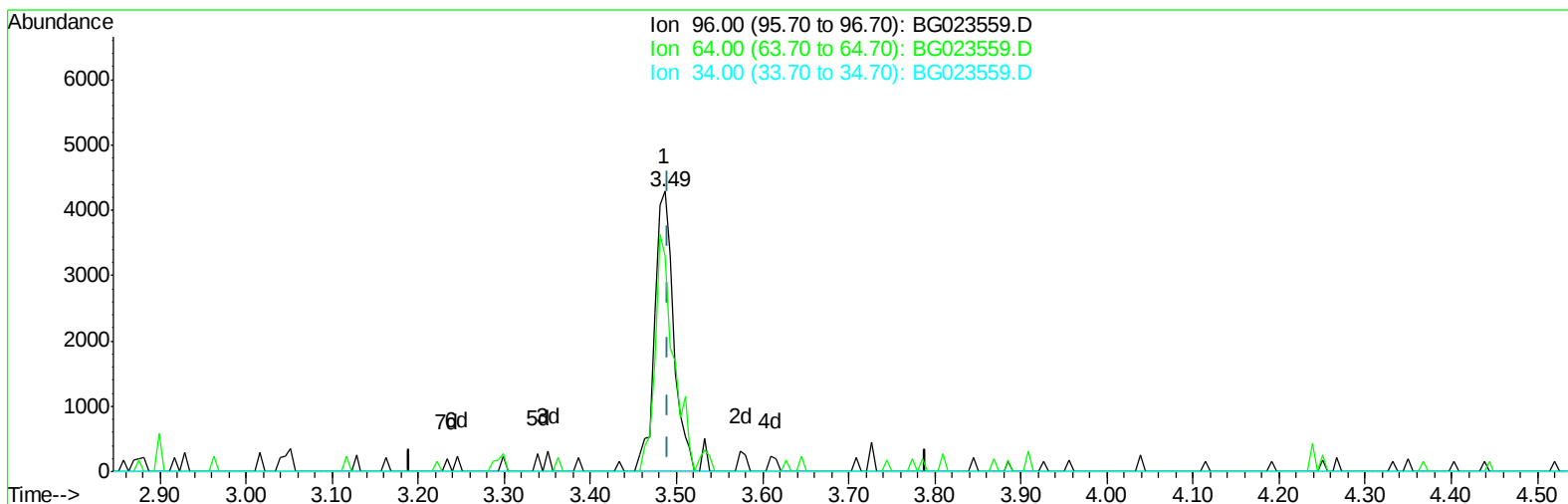
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
APPROVED

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Quant Time: Aug 10 05:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

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

3.486min (-0.004) 1.97ng/uL m

response 6580

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	76.75
34.00	0.00	0.00
0.00	0.00	0.00

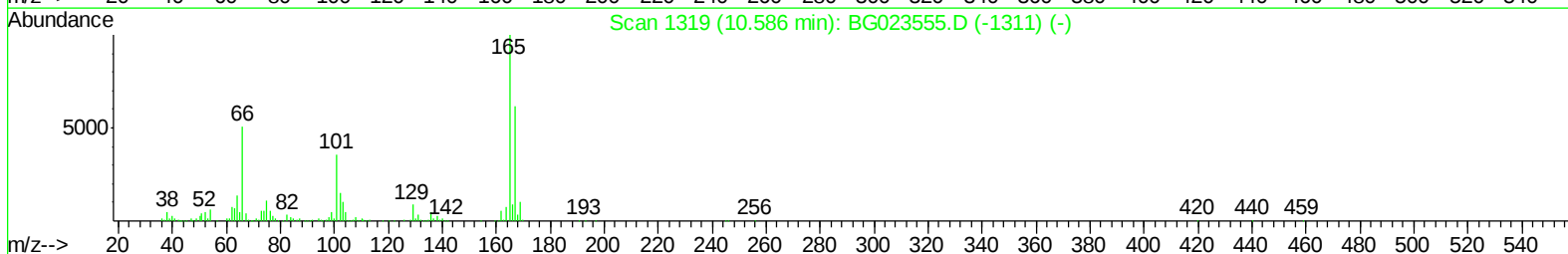
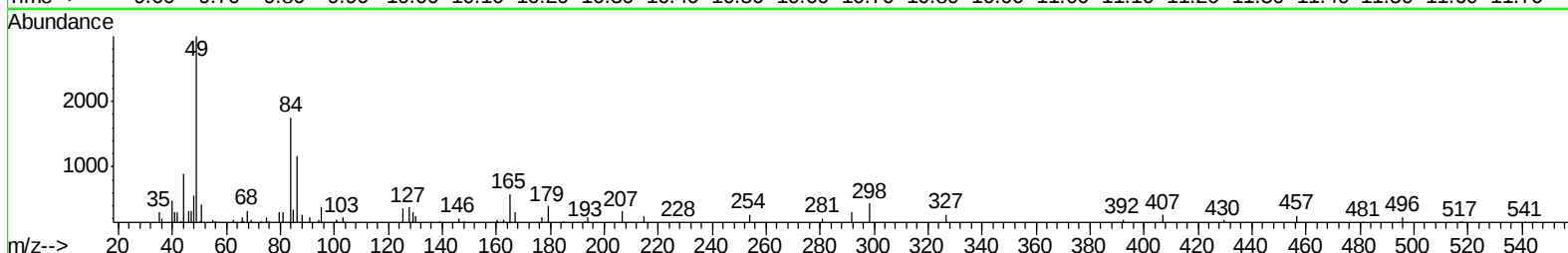
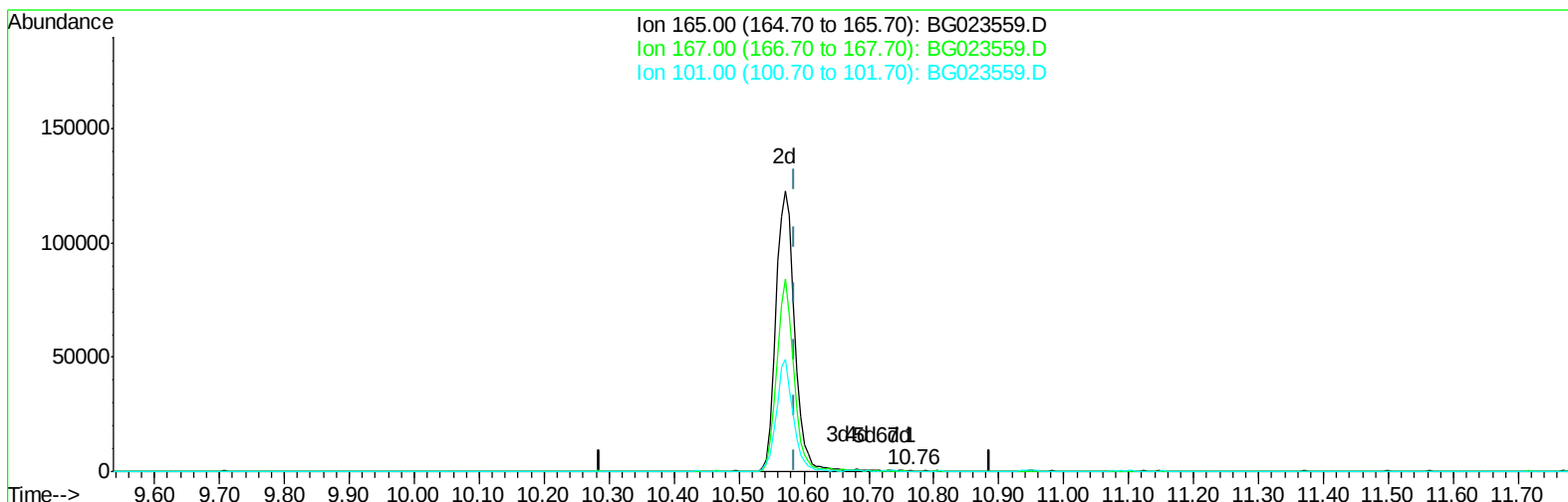
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
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Quant Time: Aug 10 05:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

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

10.765min (+0.178) 0.03ng/ul

response 344

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	51.11
101.00	31.80	30.77
0.00	0.00	0.00

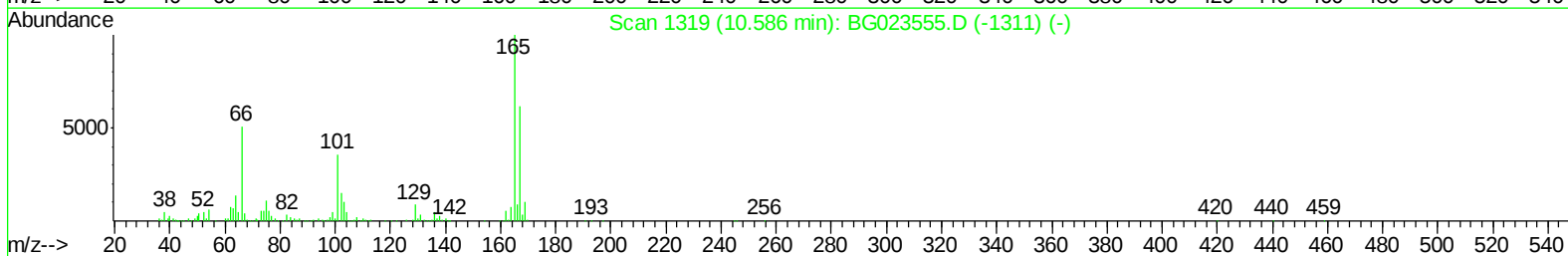
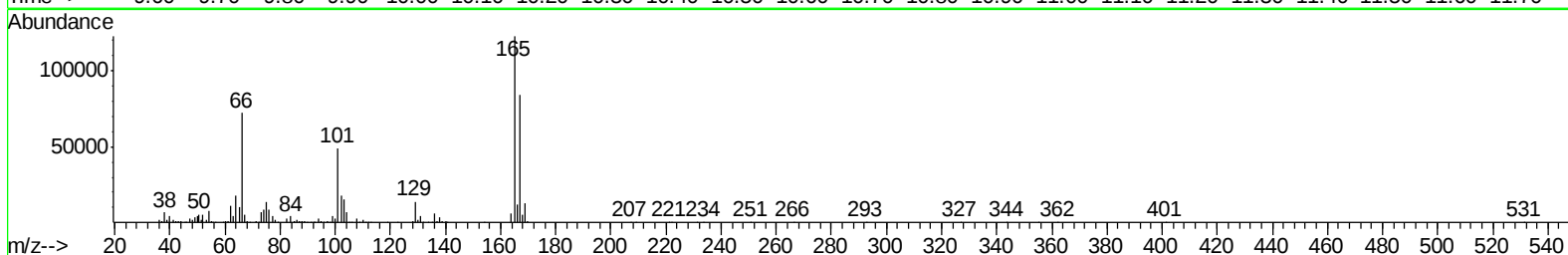
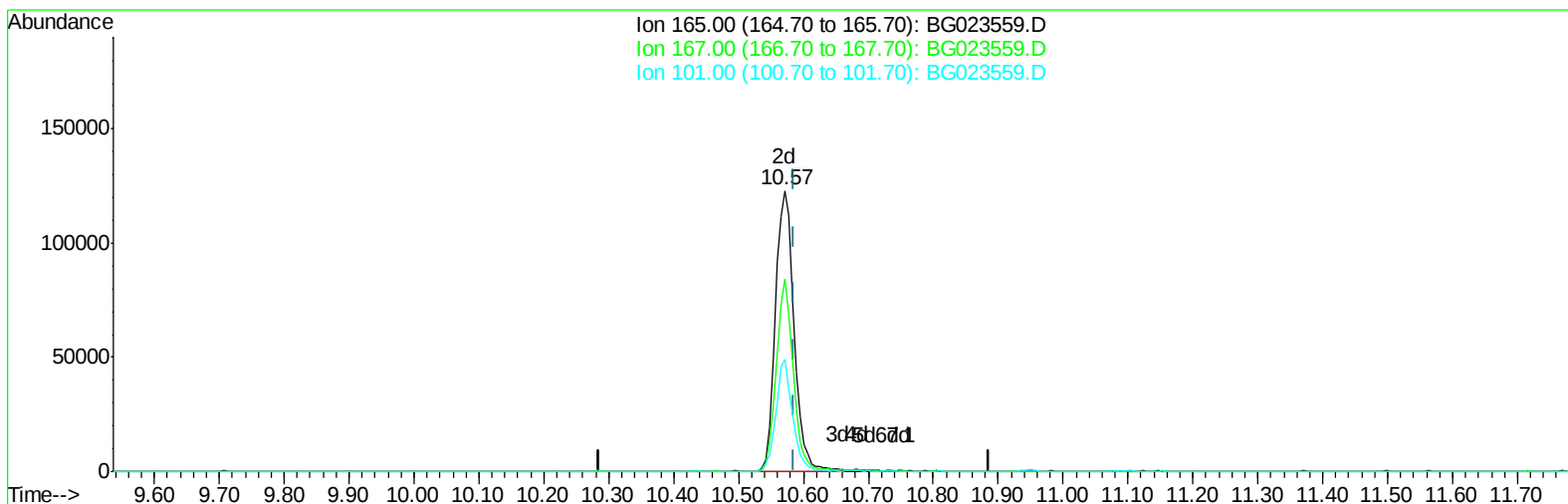
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Quant Time: Aug 10 05:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration

Manual Integrations
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TIC: BG023559.D

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

10.571min (-0.016) 21.01ng/ul m

response 243668

Ion	Exp%	Act%
165.00	100	100
167.00	60.90	68.85
101.00	31.80	40.01#
0.00	0.00	0.00

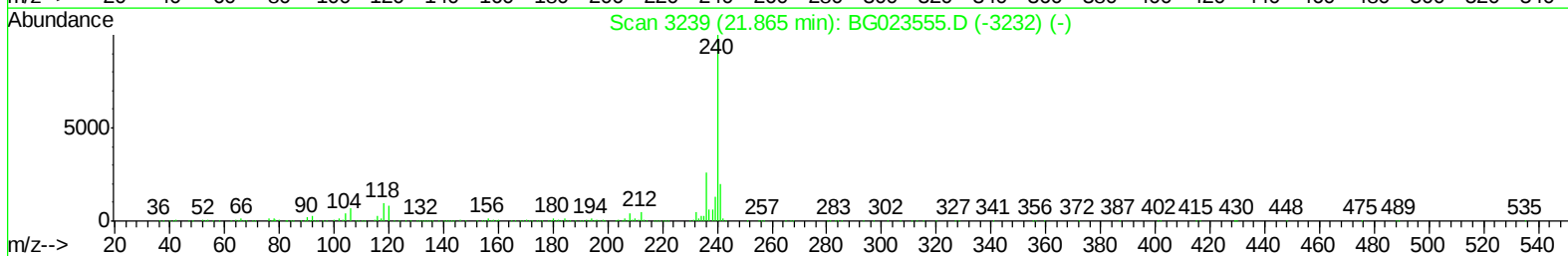
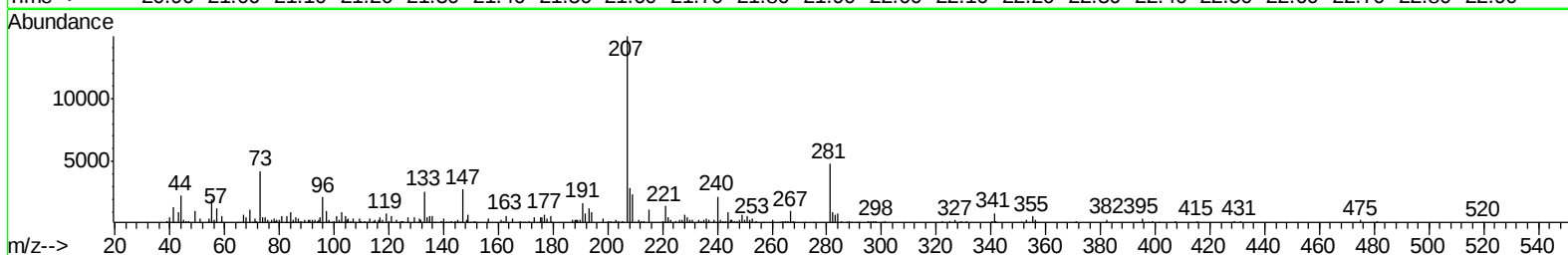
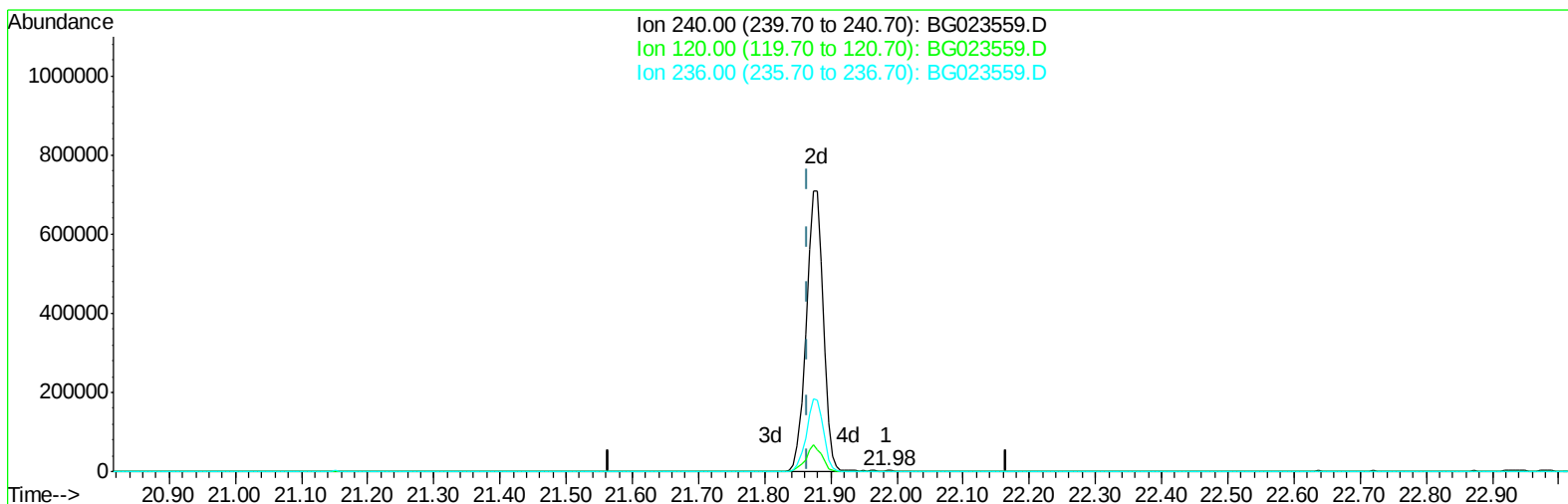
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Quant Time: Aug 10 05:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

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TIC: BG023559.D

(75) Chrysene-d12 (I)

21.985min (+0.119) 20.00ng/ul

response 2268

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	12.91
236.00	26.10	22.05
0.00	0.00	0.00

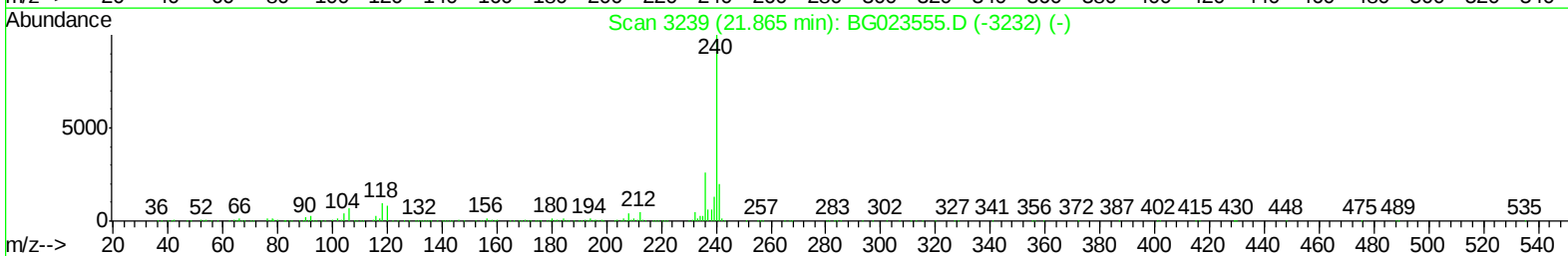
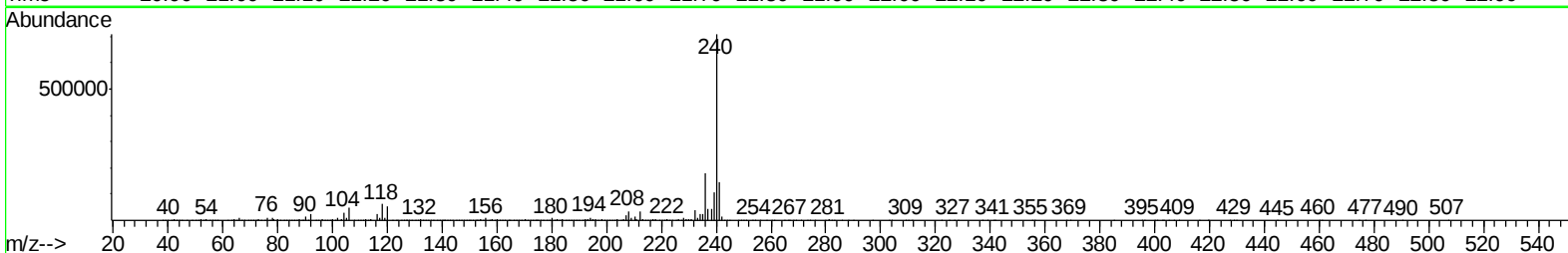
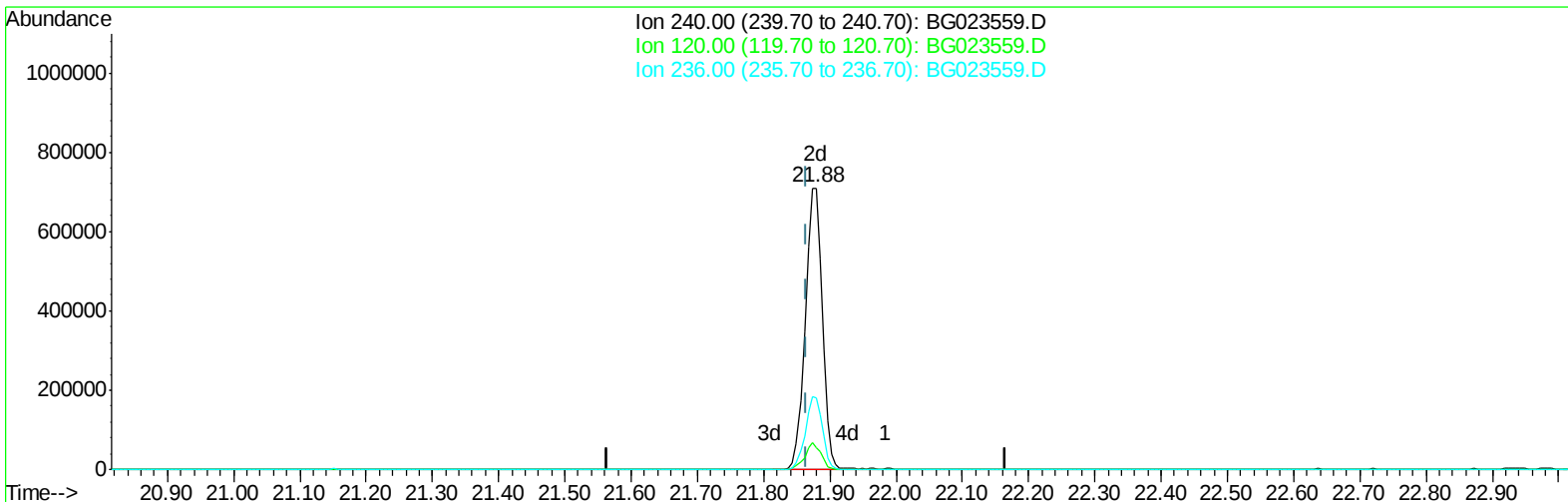
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Quant Time: Aug 10 05:02:35 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

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TIC: BG023559.D

(75) Chrysene-d12 (I)

21.879min (+0.014) 20.00ng/ul m

response 1276069

Ion	Exp%	Act%
240.00	100	100
120.00	14.40	7.59#
236.00	26.10	25.69
0.00	0.00	0.00

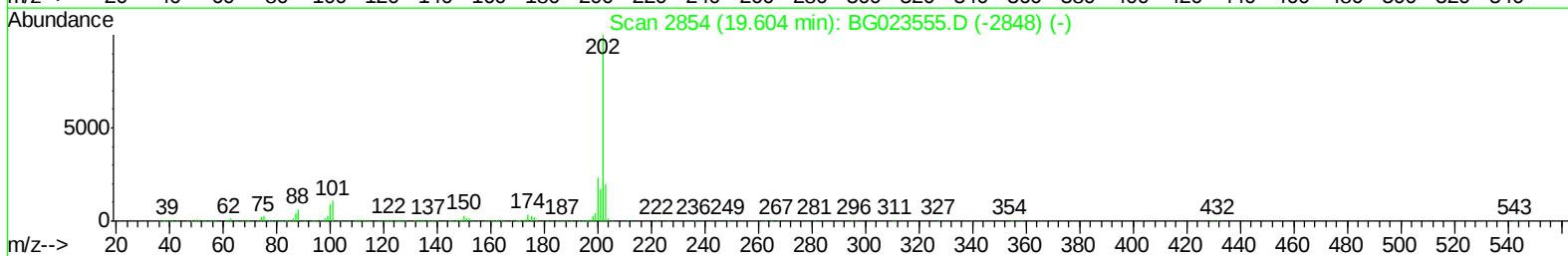
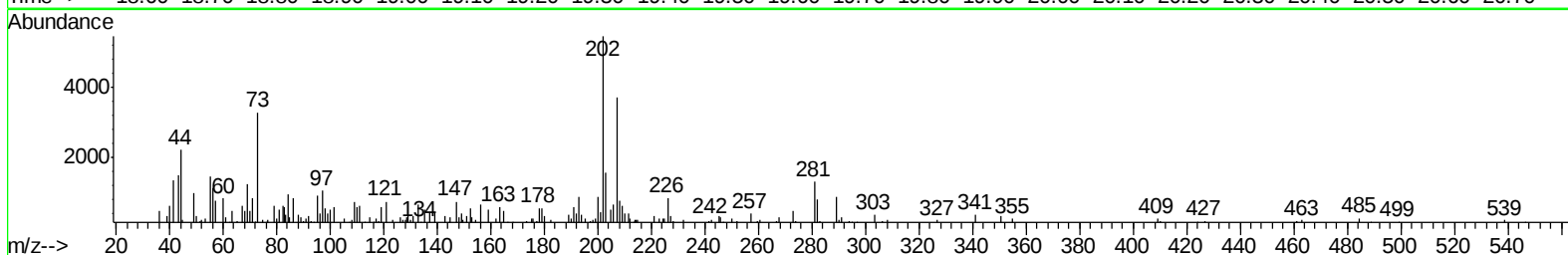
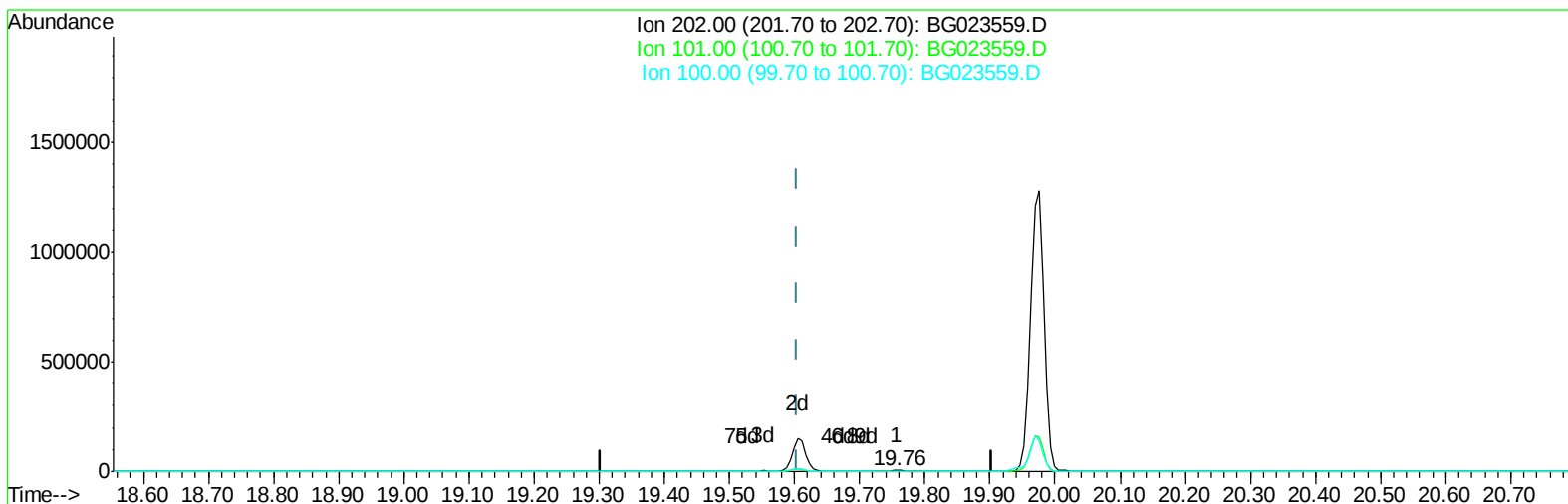
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
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Quant Time: Aug 10 05:24:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

(74) Fluoranthene (C)

19.758min (+0.155) 0.12ng/ul

response 7834

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	10.67
100.00	10.90	9.38
0.00	0.00	0.00

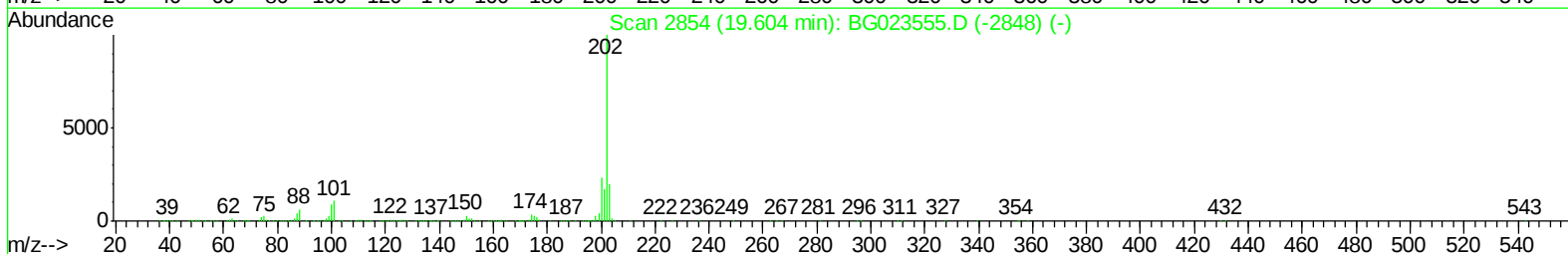
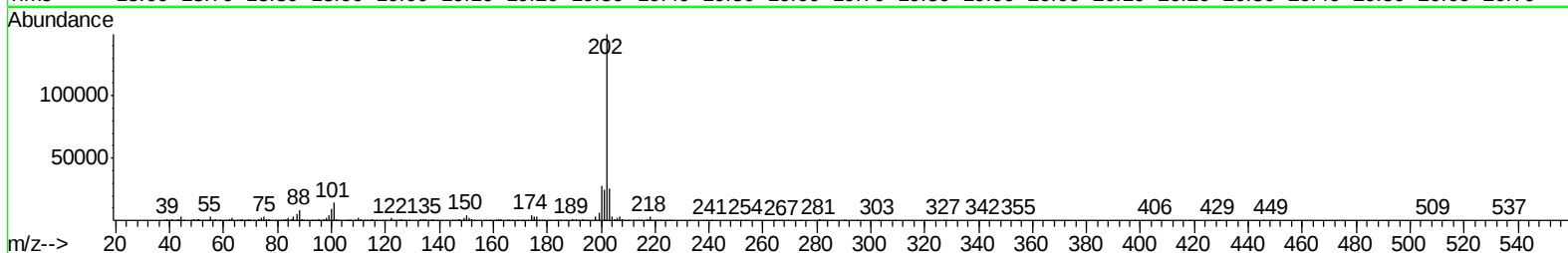
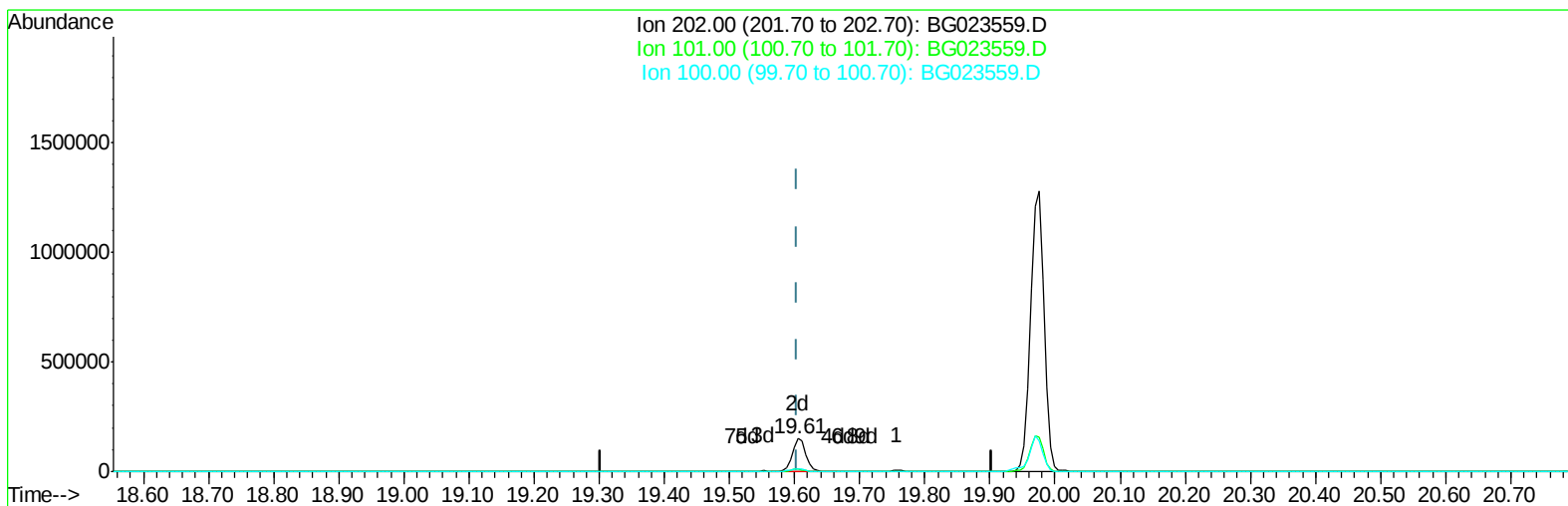
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Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
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sohil
8/10/2016 6:49:32 PM

Quant Time: Aug 10 05:24:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

(74) Fluoranthene (C)

19.605min (+0.002) 3.25ng/ul m

response 216310

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	9.58#
100.00	10.90	6.02#
0.00	0.00	0.00

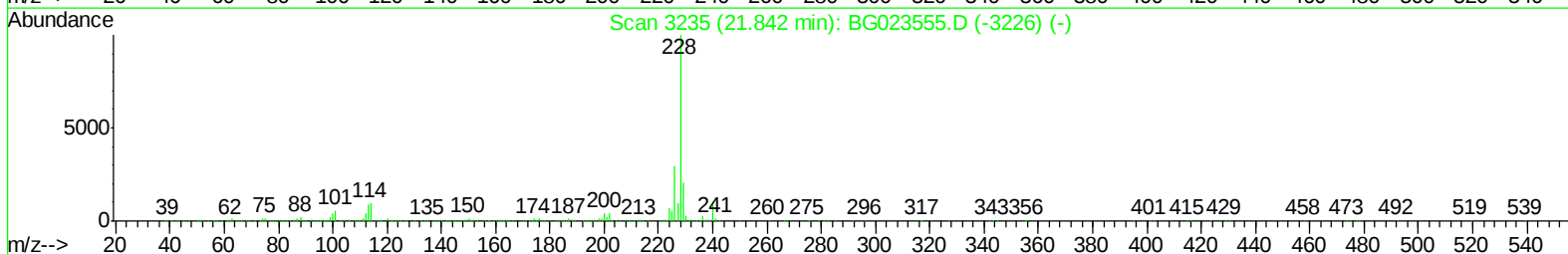
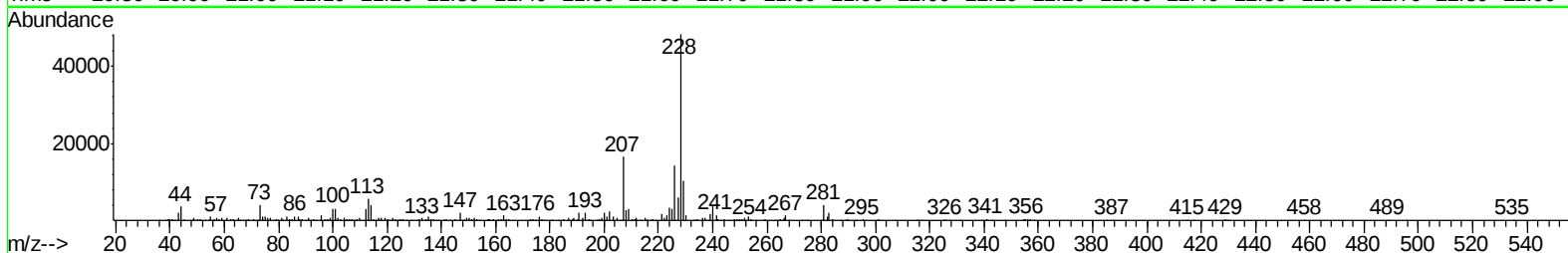
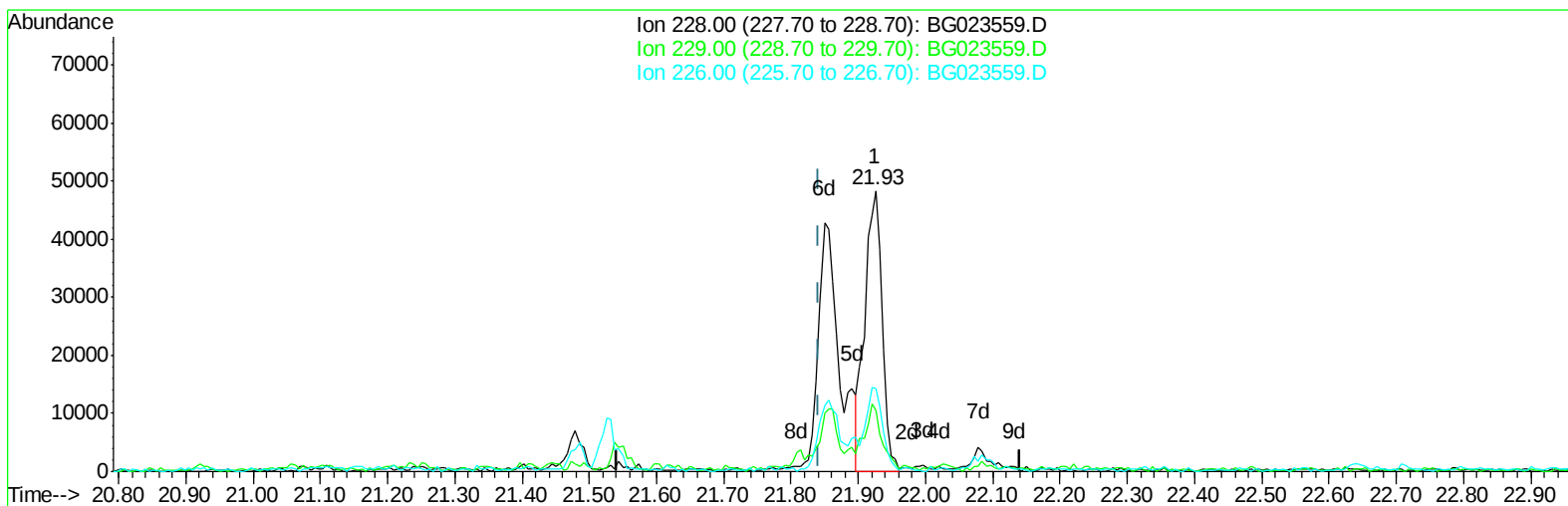
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
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Quant Time: Aug 10 05:24:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

(80) Benzo(a)anthracene
21.926min (+0.084) 1.21ng/ul
response 86873

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	21.77
226.00	28.50	29.54
0.00	0.00	0.00

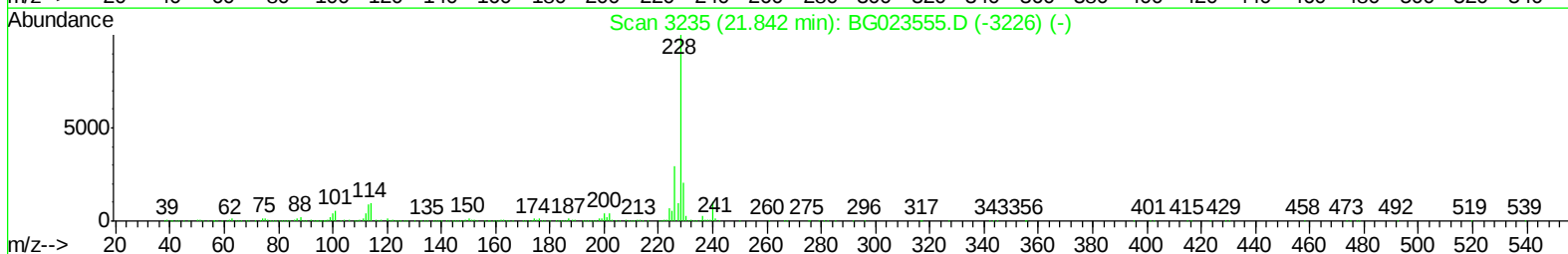
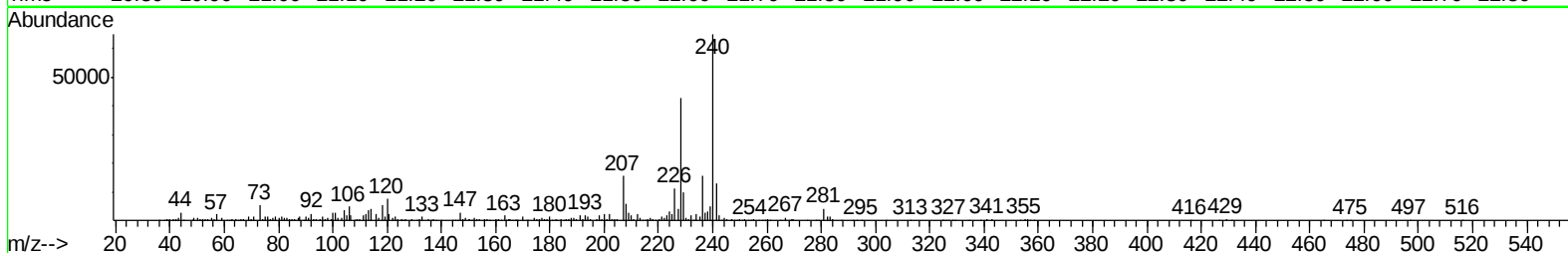
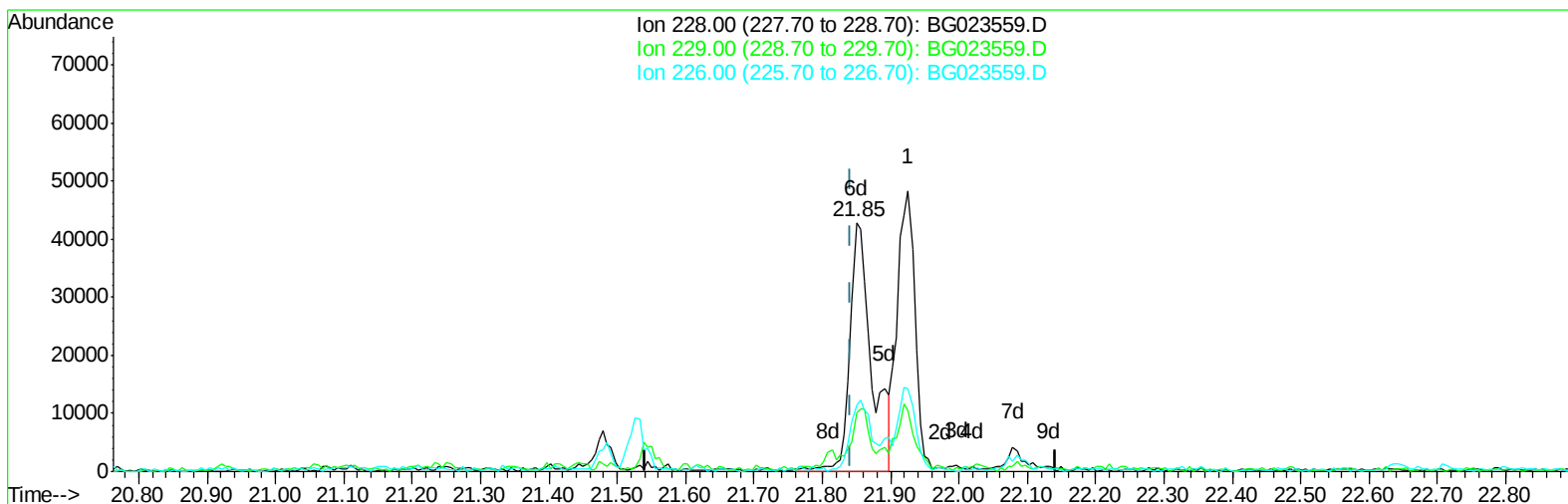
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
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8/10/2016 6:49:32 PM

Quant Time: Aug 10 05:24:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

(80) Benzo(a)anthracene

21.849min (+0.008) 1.31ng/ul m

response 94246

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	23.65#
226.00	28.50	26.66
0.00	0.00	0.00

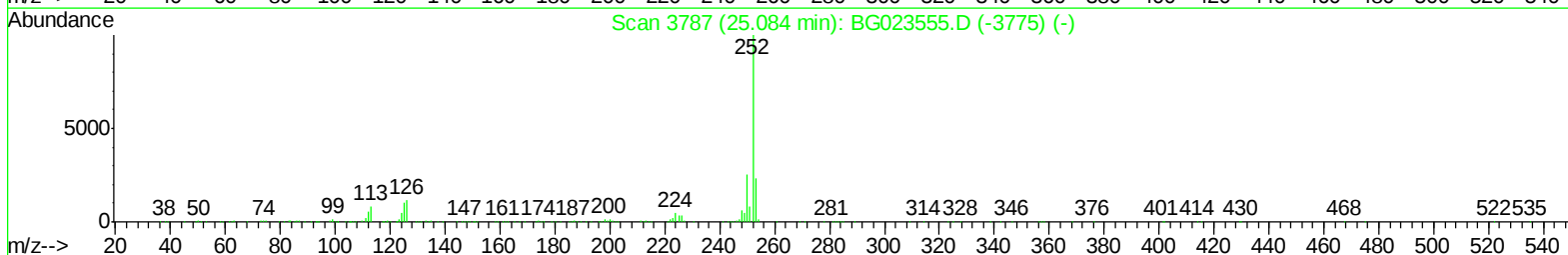
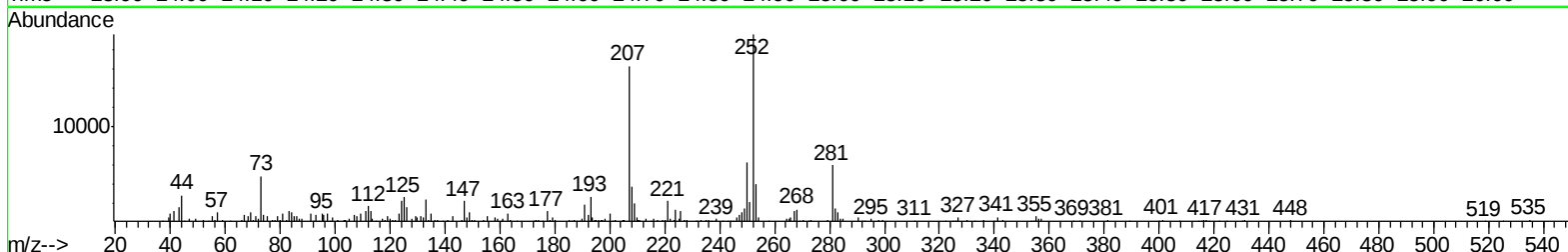
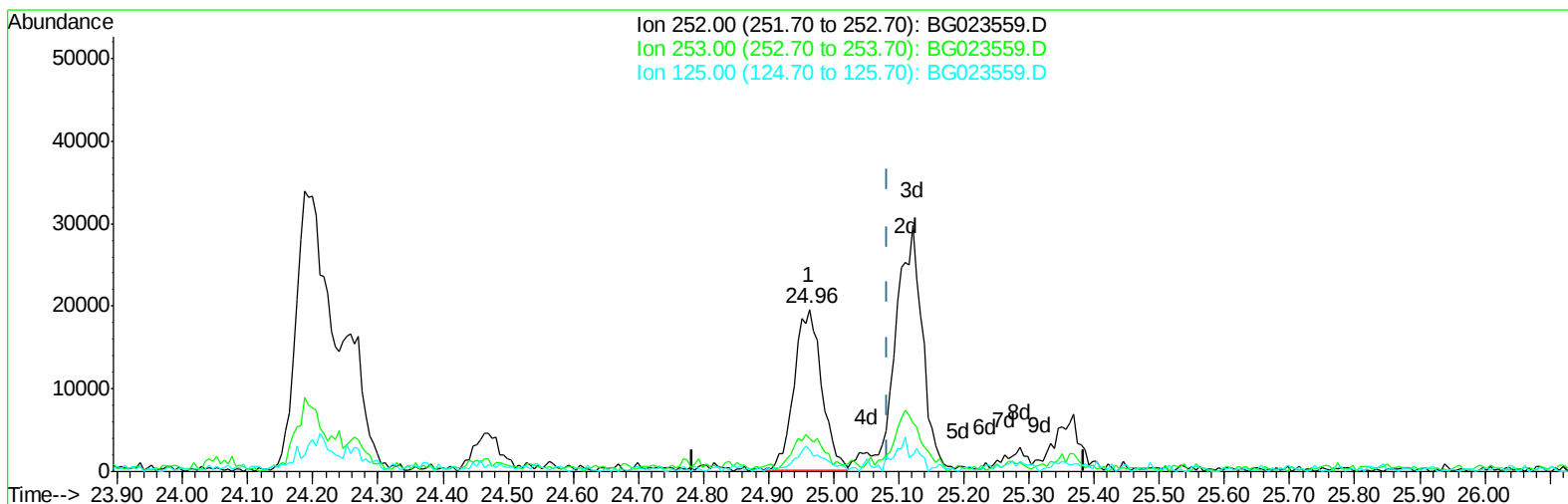
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
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8/10/2016 6:49:32 PM

Quant Time: Aug 10 05:24:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

(88) Benzo(a)pyrene (C)

24.963min (-0.121) 0.84ng/ul

response 56986

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	20.23
125.00	15.00	13.57
0.00	0.00	0.00

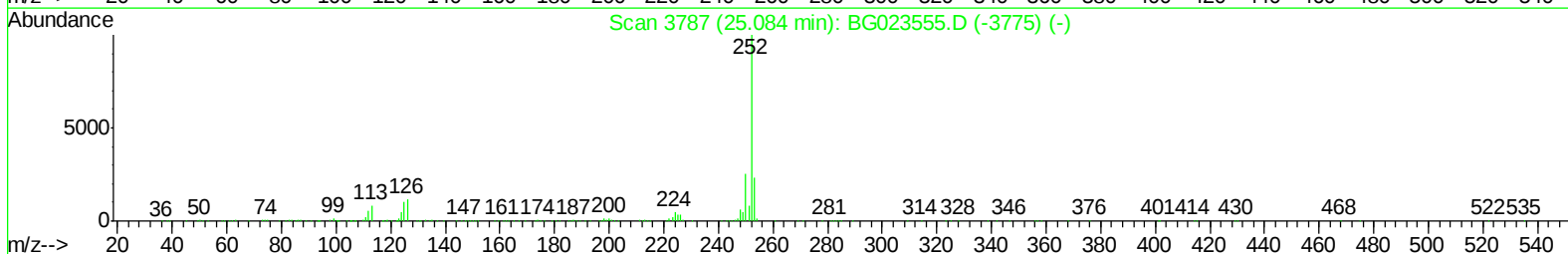
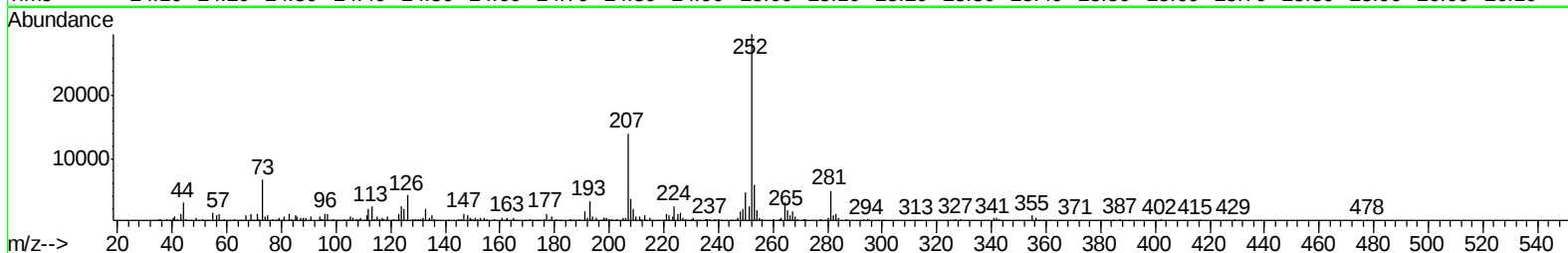
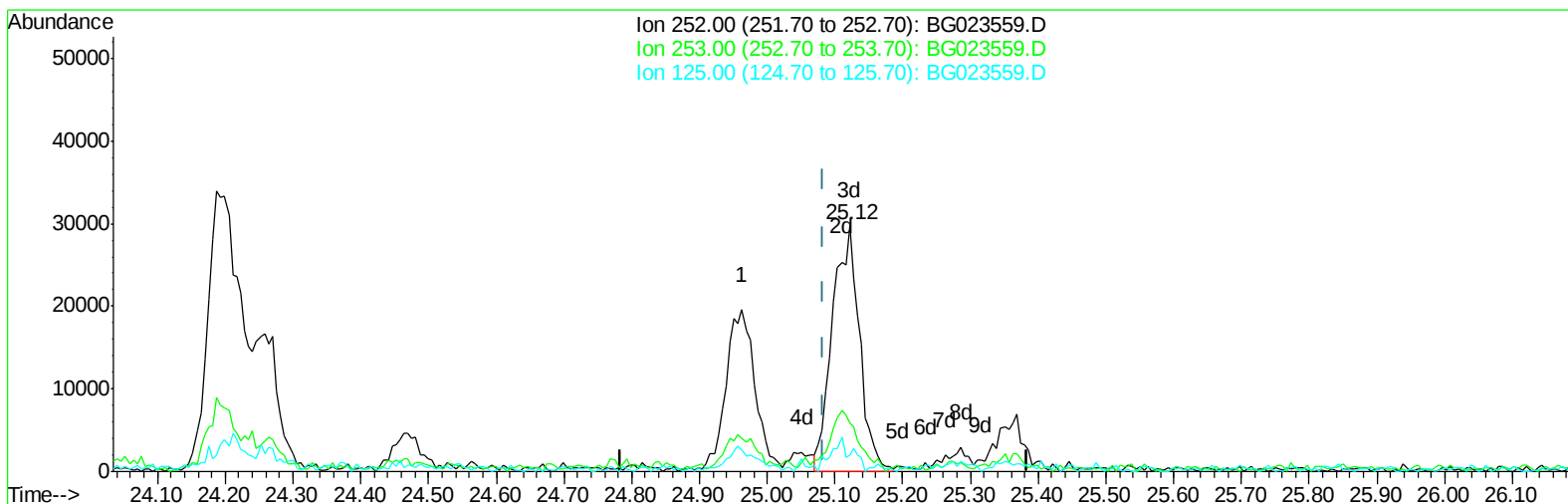
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
APPROVED

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8/10/2016 6:49:32 PM

Quant Time: Aug 10 05:24:58 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration



TIC: BG023559.D

(88) Benzo(a)pyrene (C)

25.122min (+0.037) 1.21ng/ul m

response 82310

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	19.88
125.00	15.00	6.64#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
 Data File : BG023559.D
 Acq On : 9 Aug 2016 16:46
 Operator : UM/SJ
 Sample : H4362-05MSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS005-0002-01MSD

Manual Integrations
 APPROVED

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 8/10/2016 6:49:32 PM

Quant Time: Aug 10 05:26:28 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 10 05:01:49 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	141740	20.00	ng/ul	-0.03
18) Naphthalene-d8	10.95	136	679318	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.78	164	506833	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1255285	20.00	ng/ul	0.00
75) Chrysene-d12	21.88	240	1276069m	20.00	ng/ul	0.01
83) Perylene-d12	25.28	264	1234420	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.49	96	6580m	1.97	ng/uL	0.00
5) Phenol-d5	7.27	99	292657	20.50	ng/ul	-0.02
7) Bis-(2-Chloroethyl)ether-d	7.43	67	201621	22.04	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	202641	20.80	ng/ul	-0.03
13) 4-Methylphenol-d8	8.83	113	220148	19.75	ng/ul	-0.02
19) Nitrobenzene-d5	9.28	128	112210	20.96	ng/ul	-0.03
22) 2-Nitrophenol-d4	10.02	143	135930	22.10	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.57	165	243668m	21.01	ng/ul	-0.02
29) 4-Chloroaniline-d4	11.09	131	298592	21.94	ng/ul	-0.02
43) Dimethylphthalate-d6	14.18	166	914073	22.03	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1033702	22.13	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	146368	20.66	ng/ul	0.00
57) Fluorene-d10	15.78	176	855451	22.31	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.90	200	164818	20.47	ng/ul	0.00
70) Anthracene-d10	17.65	188	1293376	22.87	ng/ul	0.00
76) Pyrene-d10	19.94	212	1443640	22.35	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.05	264	1287666	23.05	ng/ul	0.03

Target Compounds

						Qvalue
6) Phenol	7.29	94	309428	20.81	ng/ul#	77
10) 2-Chlorophenol	7.67	128	203592	20.52	ng/ul#	87
15) N-Nitroso-di-n-propylamine	8.92	70	241249	22.43	ng/ul#	86
33) 4-Chloro-3-methylphenol	12.23	107	329064	21.86	ng/ul#	81
44) Dimethylphthalate	14.22	163	492530	11.99	ng/ul	99
49) Acenaphthene	14.85	153	743291	22.33	ng/ul	97
52) 4-Nitrophenol	15.01	109	142719	20.11	ng/ul#	74
54) 2,4-Dinitrotoluene	15.15	165	299103	22.16	ng/ul#	78
68) Pentachlorophenol	17.20	266	187761	22.19	ng/ul	97
69) Phenanthrene	17.59	178	102193	1.57	ng/ul	95
74) Fluoranthene	19.61	202	216310m	3.25	ng/ul	
77) Pyrene	19.98	202	1863496	23.62	ng/ul#	94
80) Benzo(a)anthracene	21.85	228	94246m	1.31	ng/ul	
82) Chrysene	21.93	228	86549	1.32	ng/ul	97
85) Benzo(b)fluoranthene	24.19	252	113627	1.62	ng/ul#	88
88) Benzo(a)pyrene	25.12	252	82310m	1.21	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG080916\
Data File : BG023559.D
Acq On : 9 Aug 2016 16:46
Operator : UM/SJ
Sample : H4362-05MSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS005-0002-01MSD

Manual Integrations
APPROVED

sohil
8/10/2016 6:49:32 PM

Quant Time: Aug 10 05:26:28 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Aug 10 05:01:49 2016
Response via : Initial Calibration

