

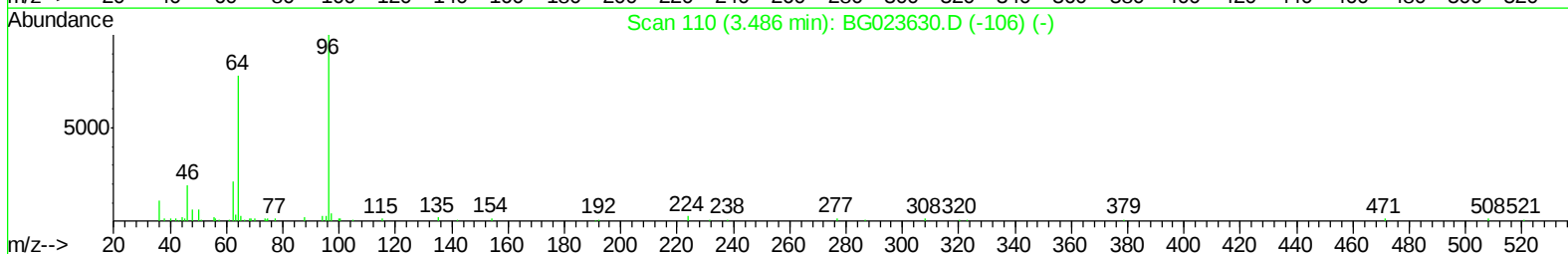
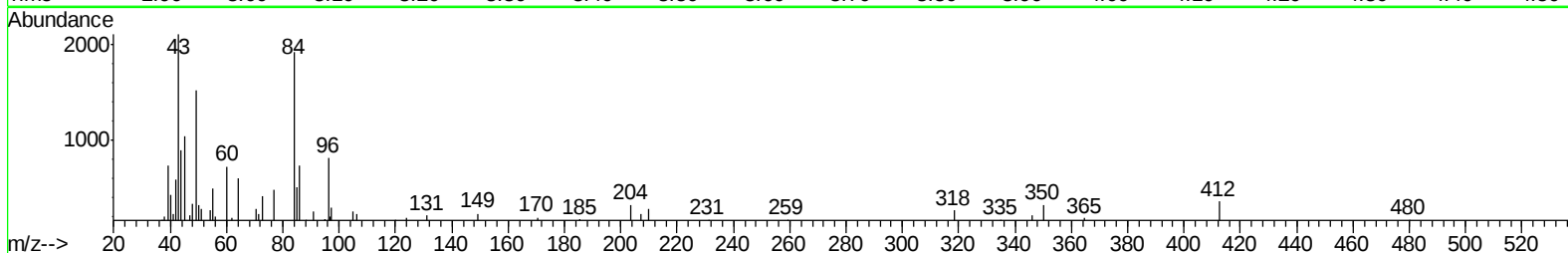
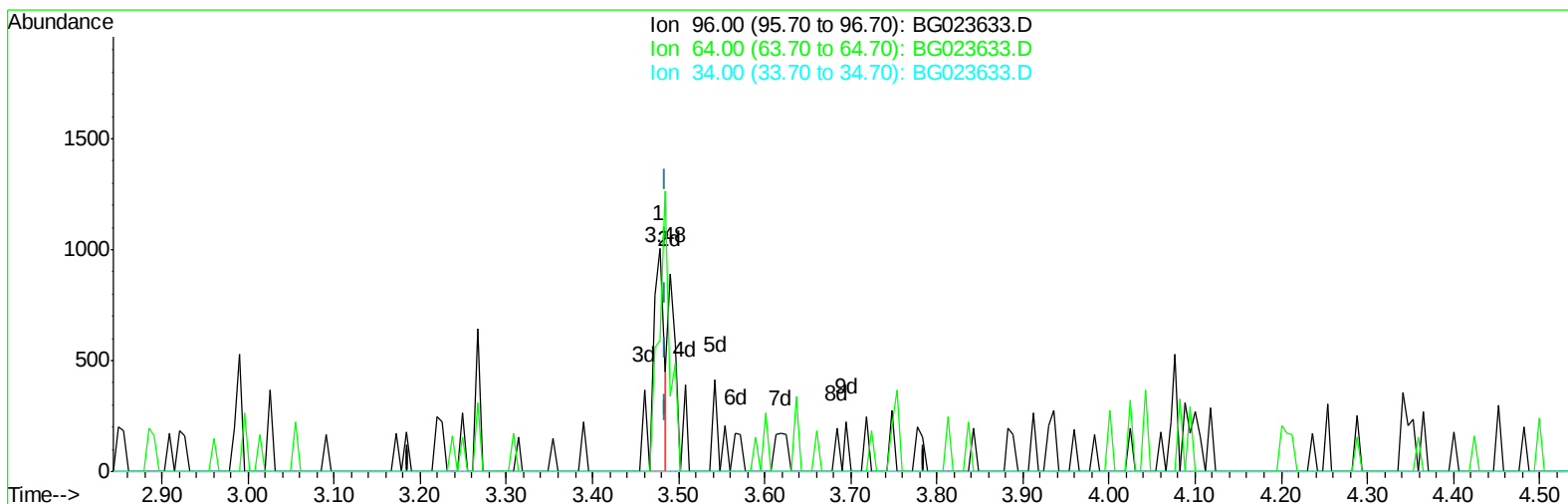
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023633.D

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

3.478min (-0.008) 0.22ng/uL

response 790

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	59.05
34.00	0.00	0.00
0.00	0.00	0.00

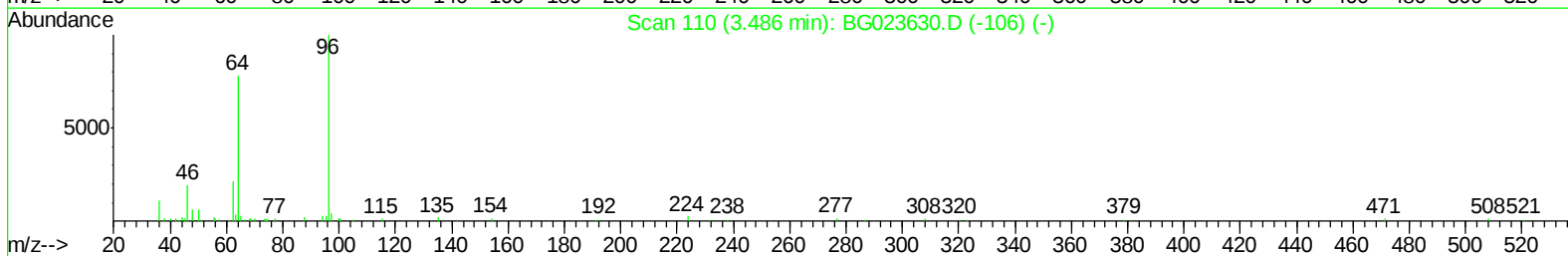
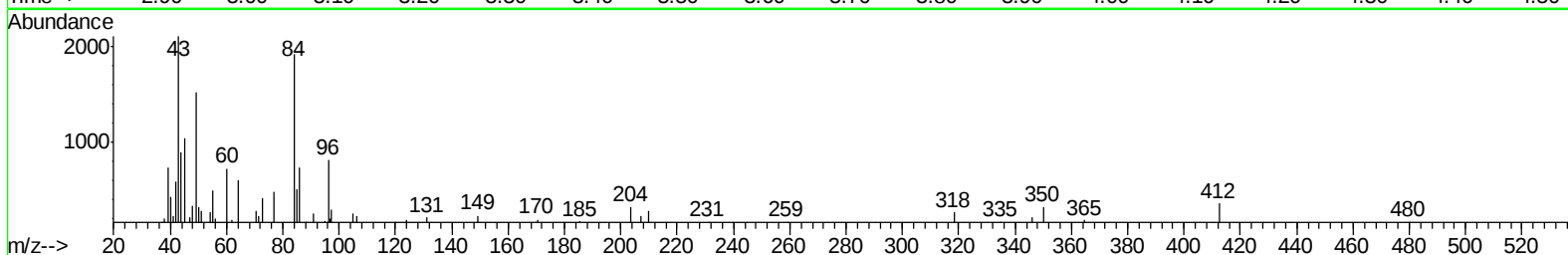
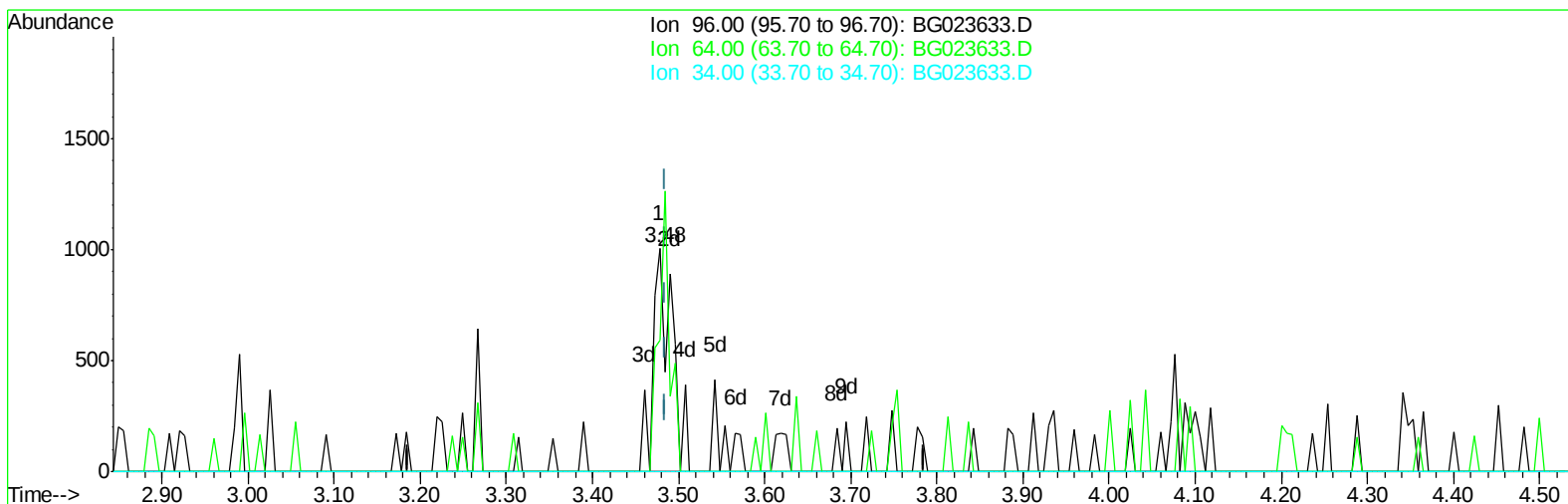
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023633.D

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

3.478min (-0.008) 0.36ng/uL m

response 1307

Ion	Exp%	Act%
96.00	100	100
64.00	65.00	73.61
34.00	0.00	0.00
0.00	0.00	0.00

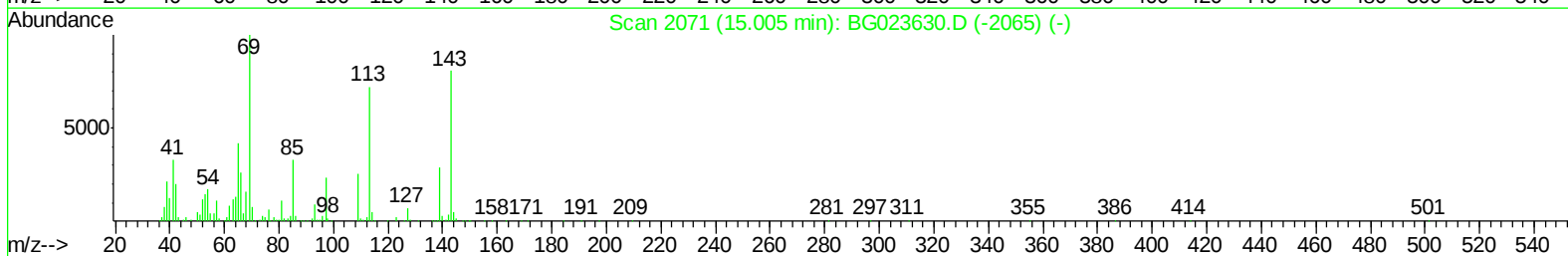
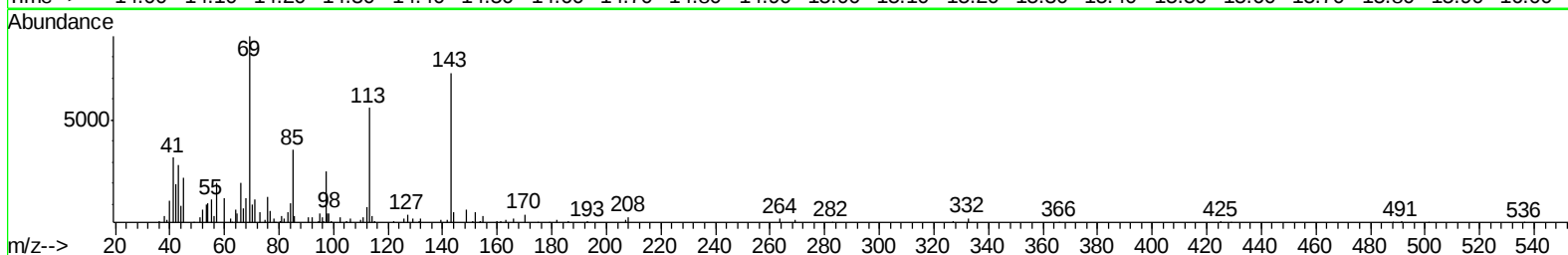
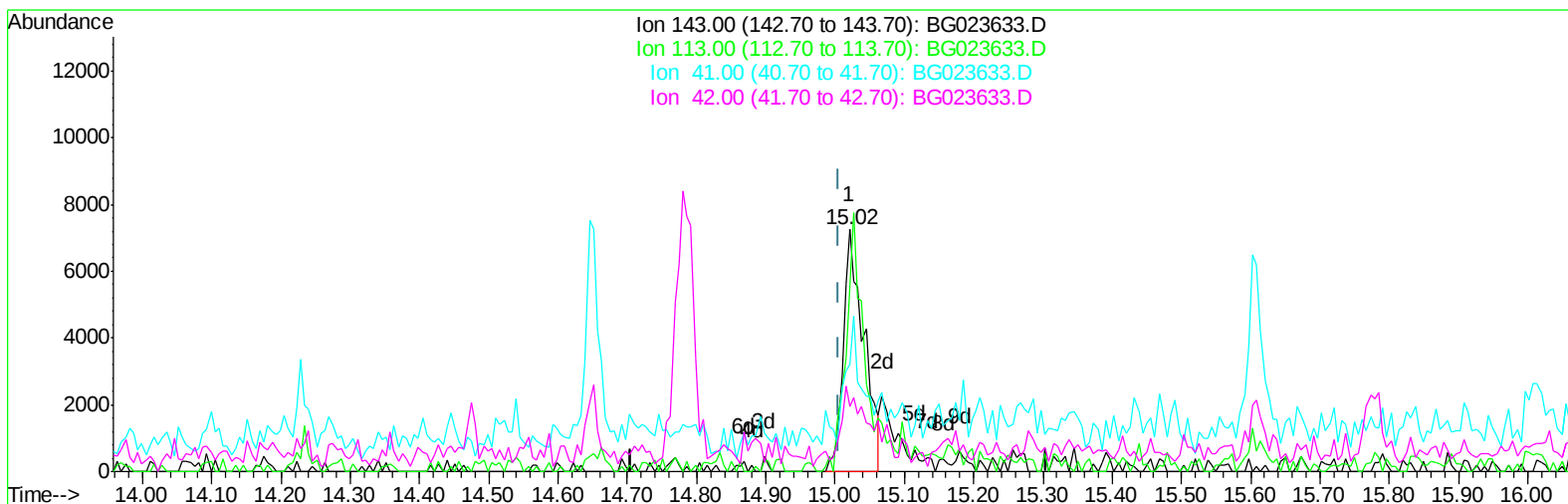
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM



TIC: BG023633.D

(51) 4-Nitrophenol-d4 (S)

15.021min (+0.016) 2.27ng/ul

response 15158

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	77.09#
41.00	26.90	44.42#
42.00	16.10	27.10#

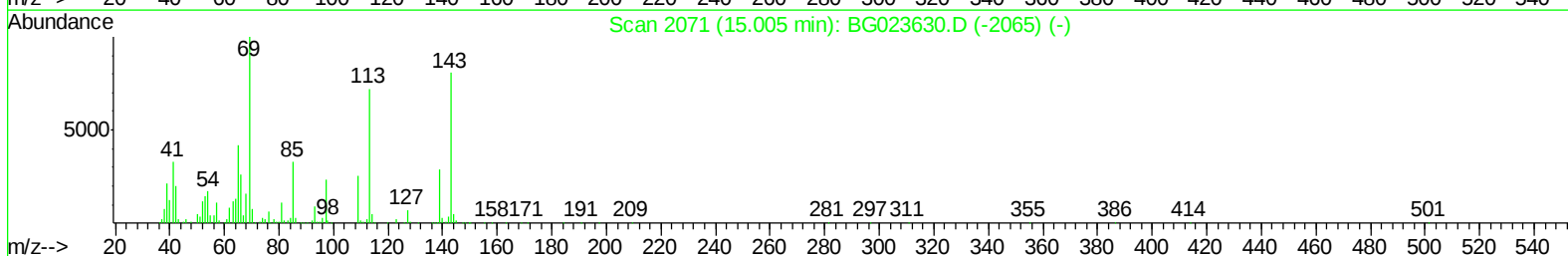
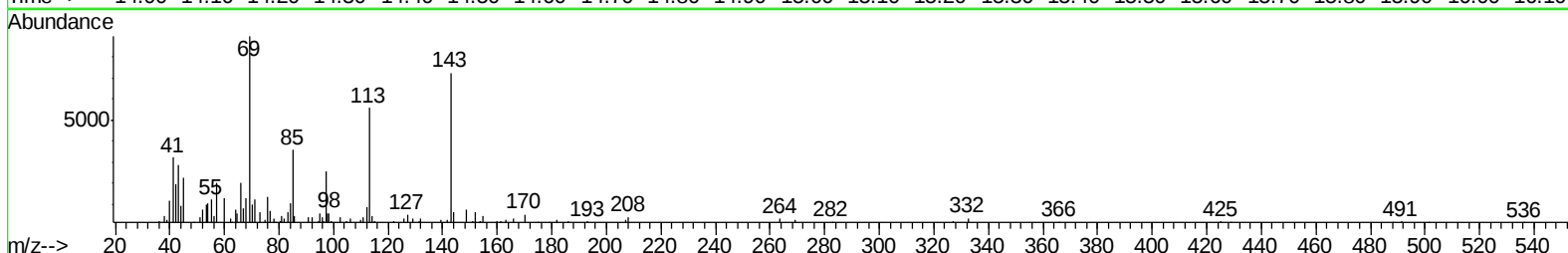
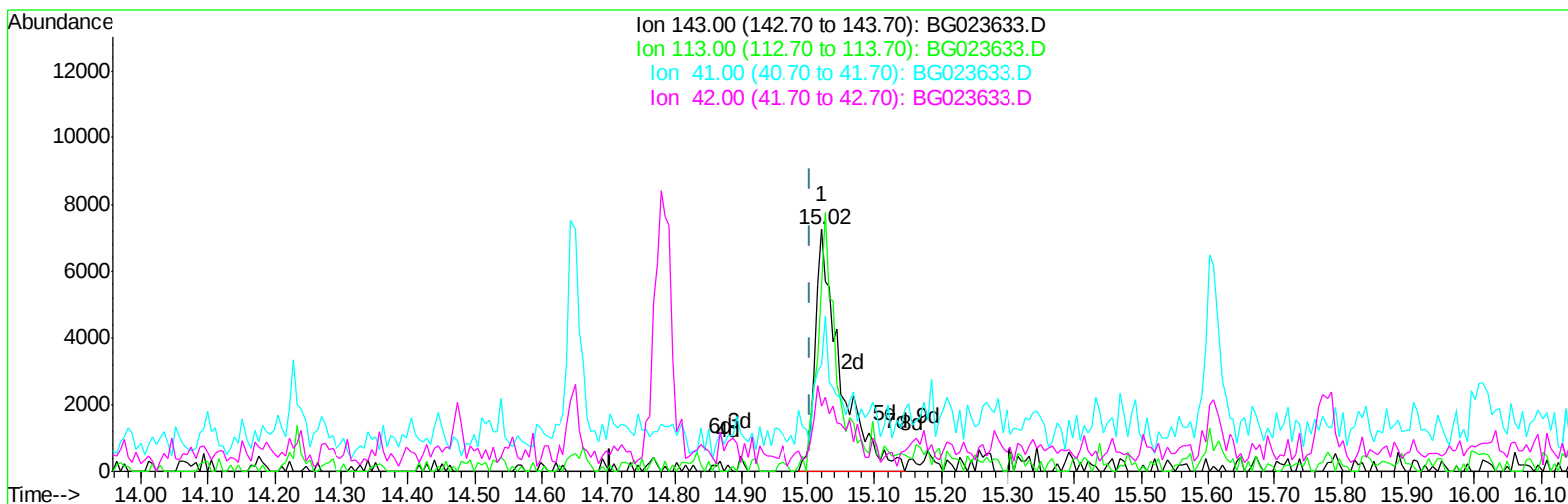
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM



TIC: BG023633.D

(51) 4-Nitrophenol-d4 (S)

15.021min (+0.016) 2.86ng/ul m

response 19125

Ion	Exp%	Act%
143.00	100	100
113.00	53.50	77.09#
41.00	26.90	44.42#
42.00	16.10	27.10#

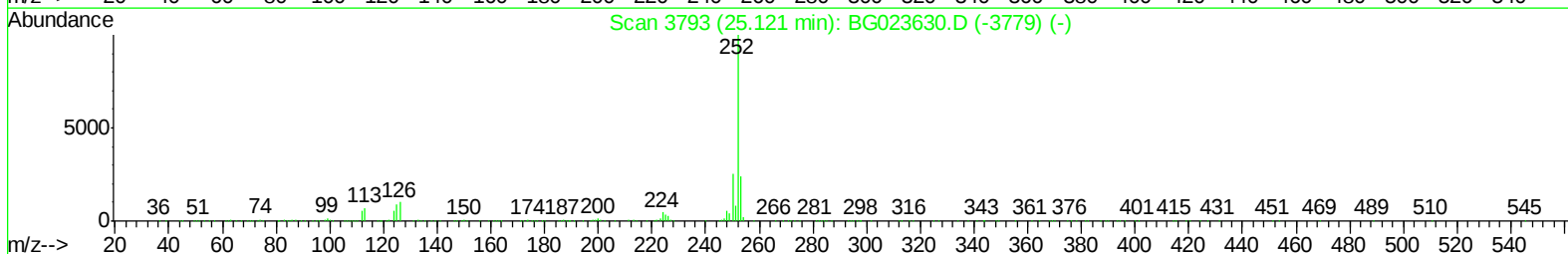
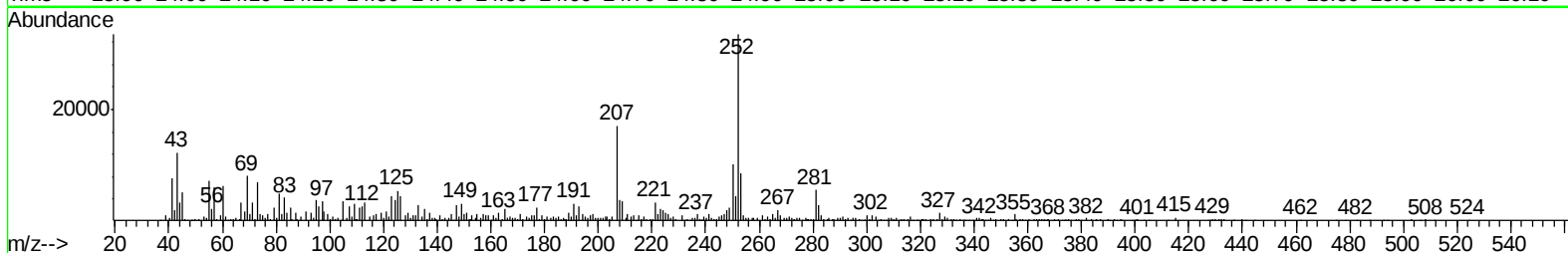
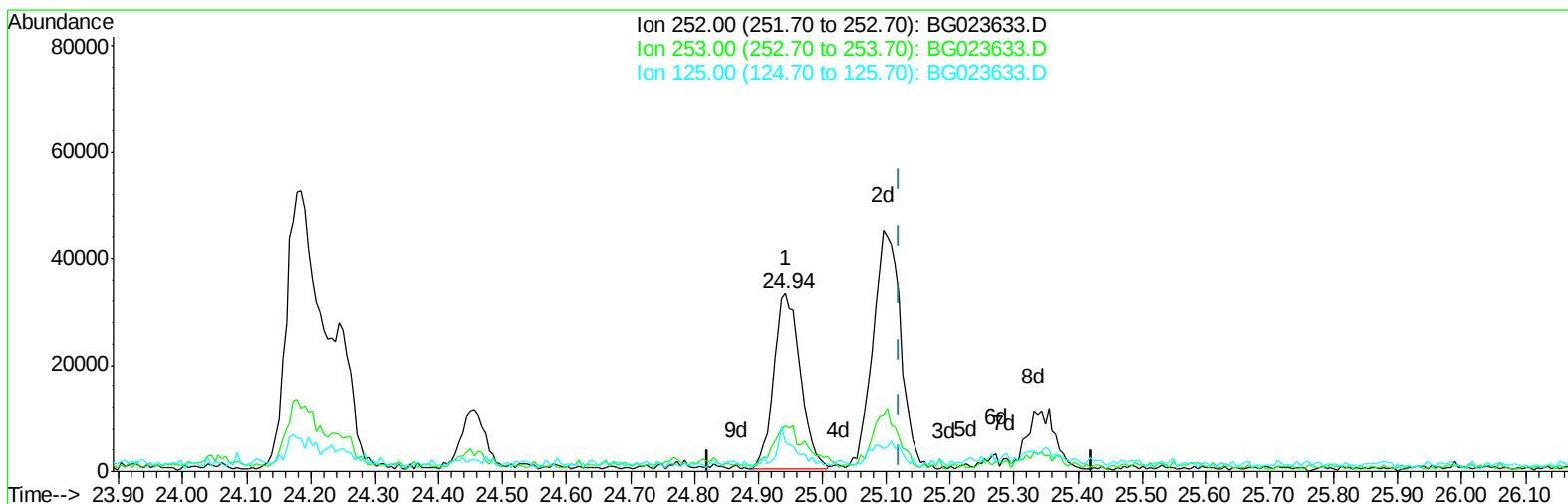
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023633.D

(88) Benzo(a)pyrene (C)

24.943min (-0.178) 1.56ng/ul

response 96061

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	25.54
125.00	15.00	16.48
0.00	0.00	0.00

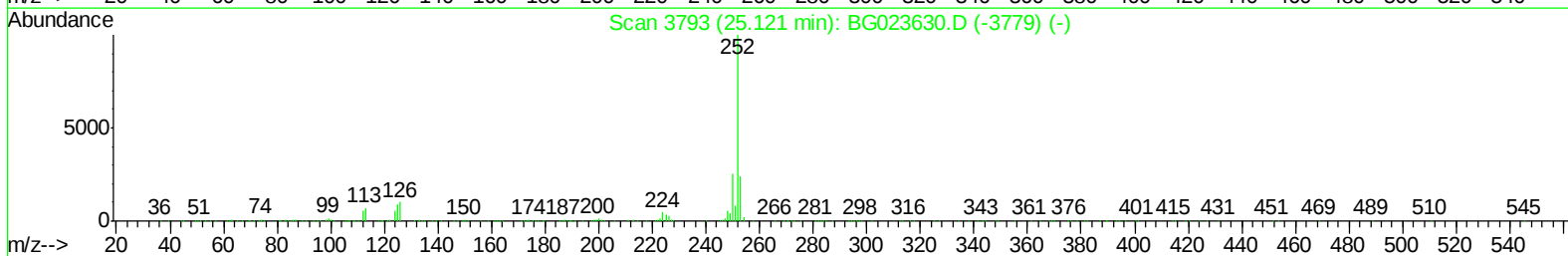
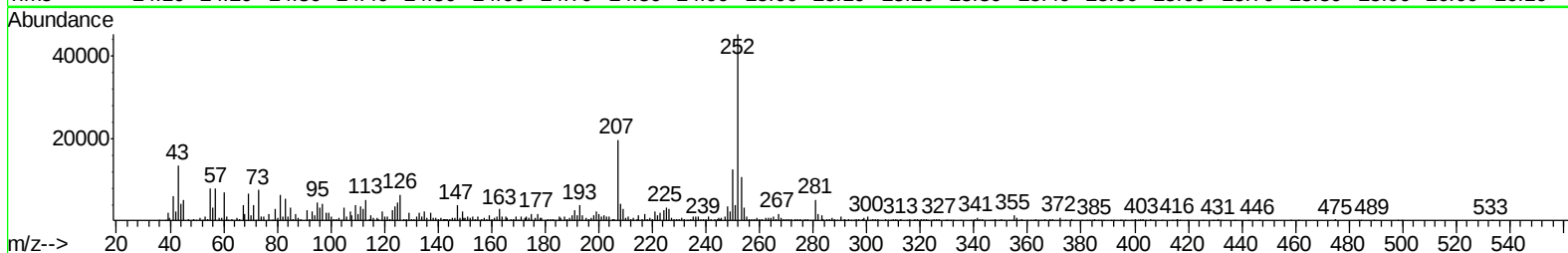
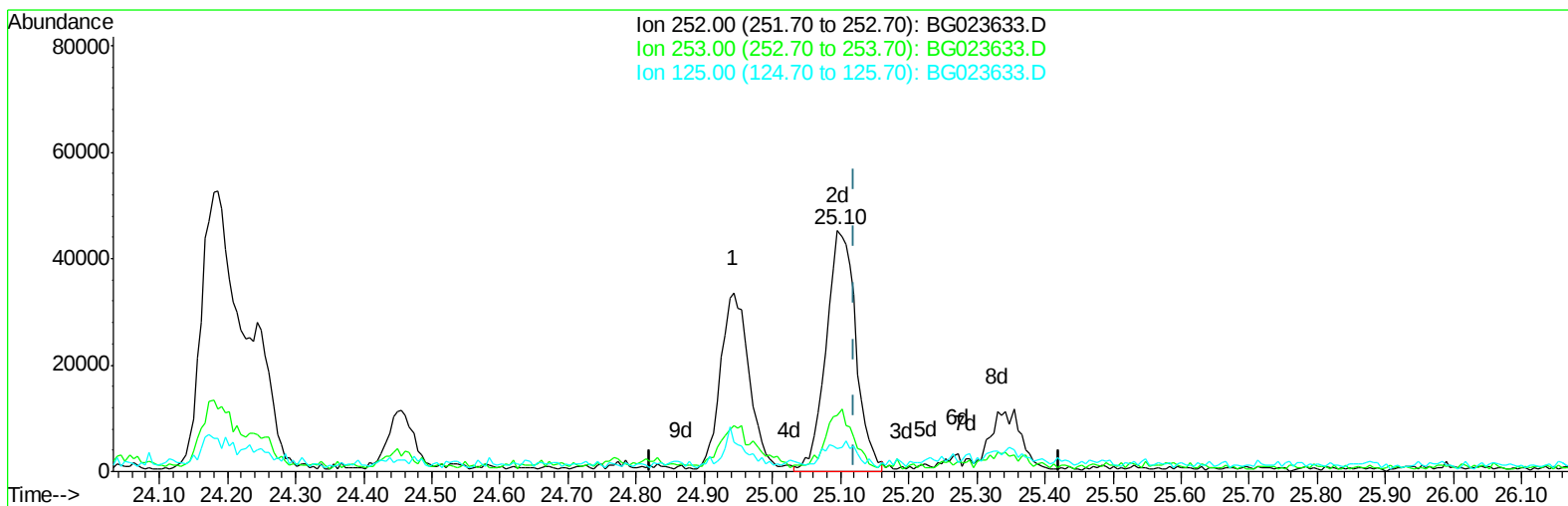
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM



TIC: BG023633.D

(88) Benzo(a)pyrene (C)

25.096min (-0.025) 2.24ng/ul m

response 137951

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.41
125.00	15.00	9.73#
0.00	0.00	0.00

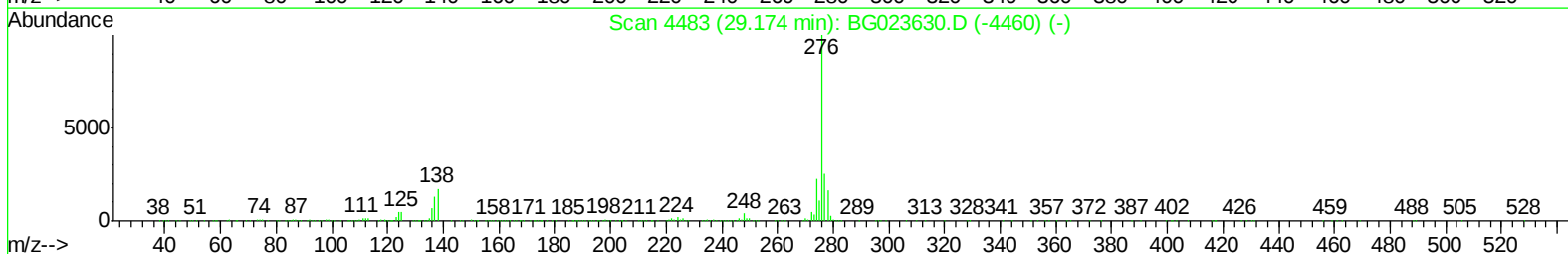
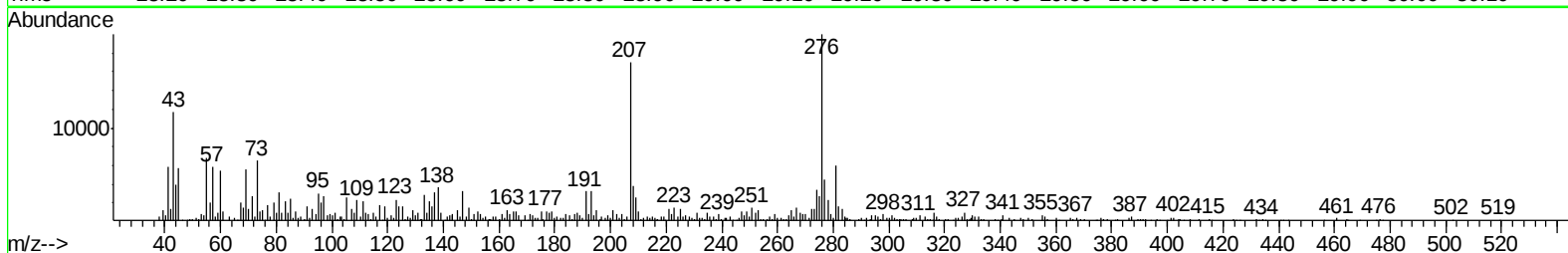
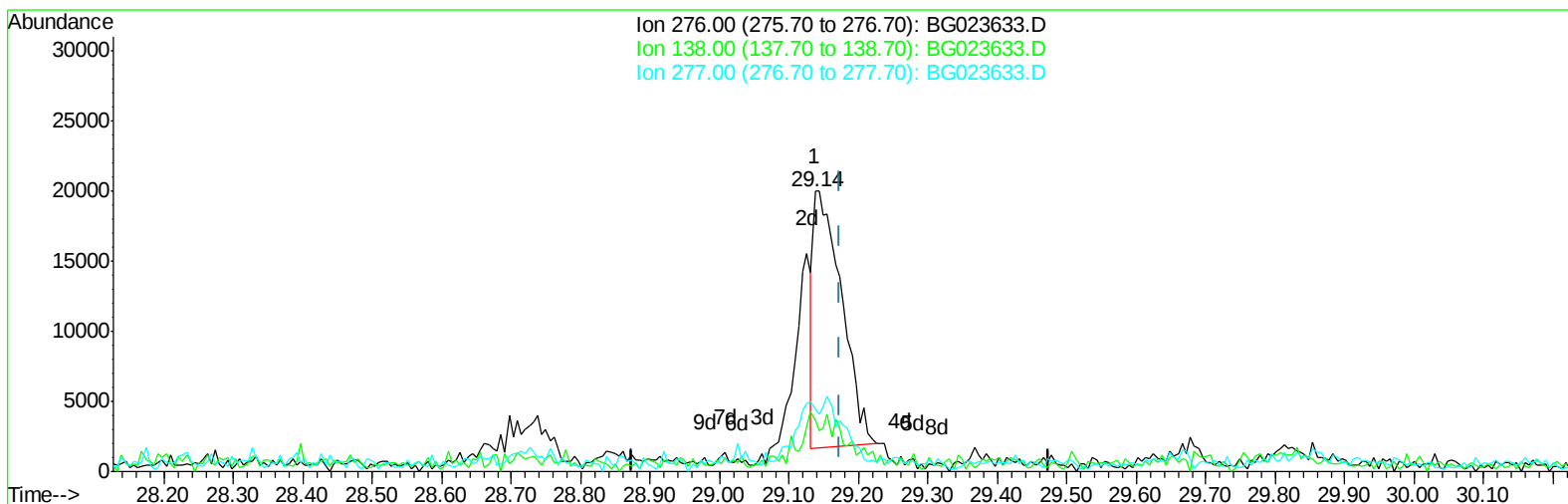
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023633.D

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

29.137min (-0.037) 0.70ng/ul

response 50601

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	18.35#
277.00	22.00	22.37
0.00	0.00	0.00

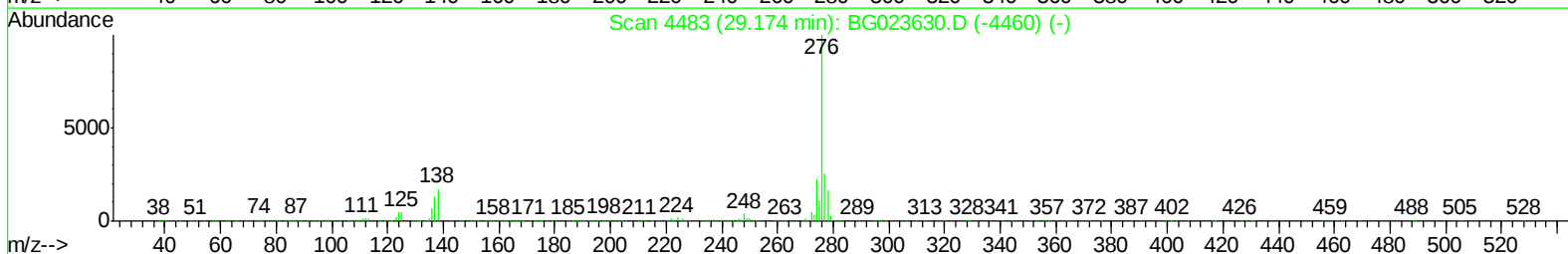
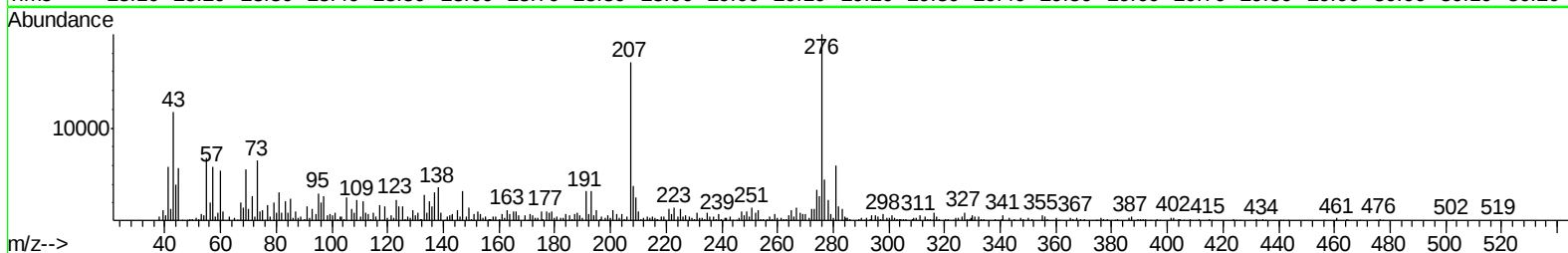
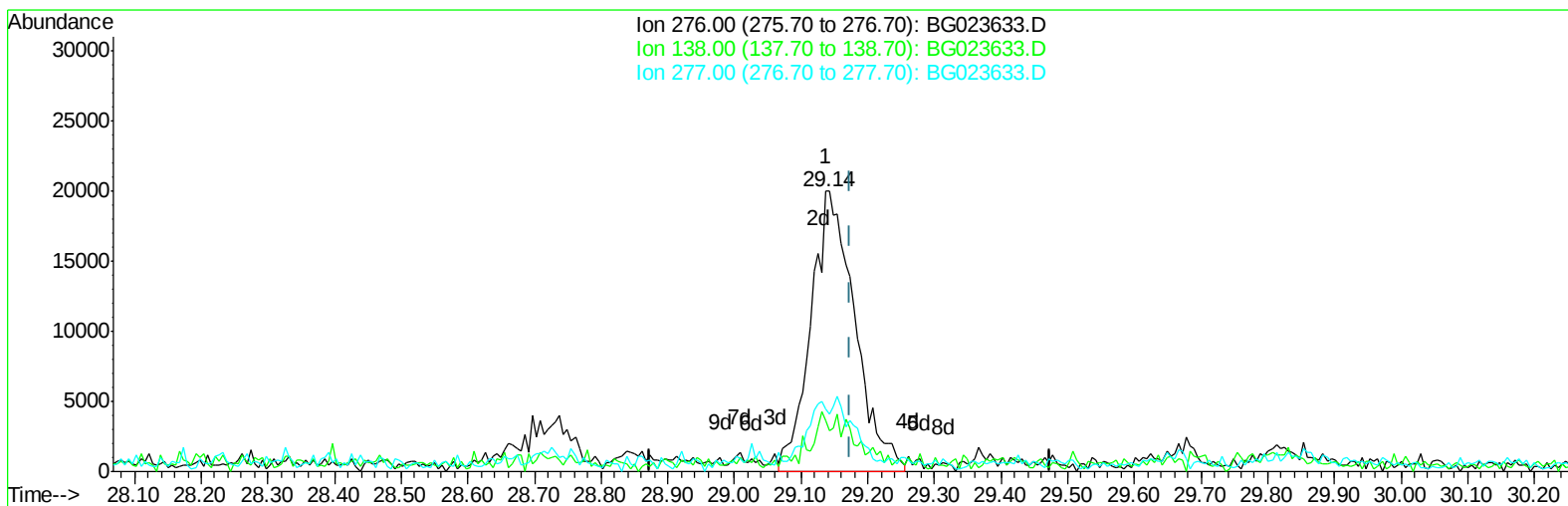
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration



TIC: BG023633.D

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

29.137min (-0.037) 1.26ng/ul m

response 91627

Ion	Exp%	Act%
276.00	100	100
138.00	26.00	18.35#
277.00	22.00	22.37
0.00	0.00	0.00

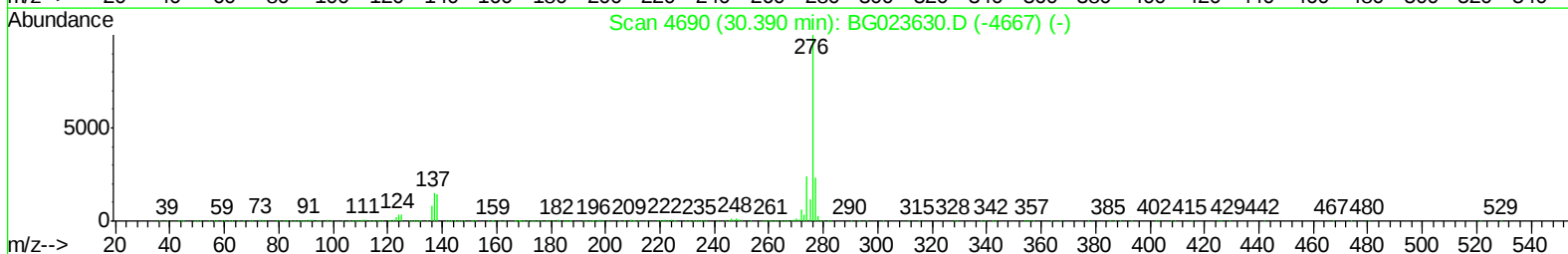
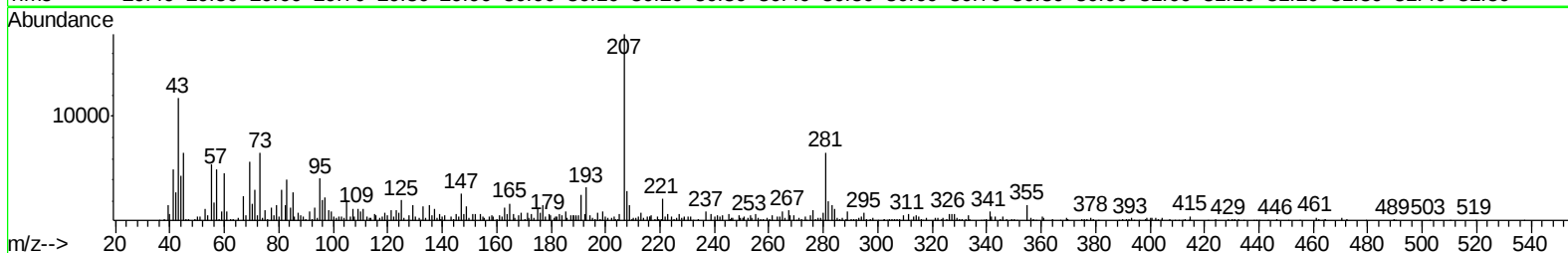
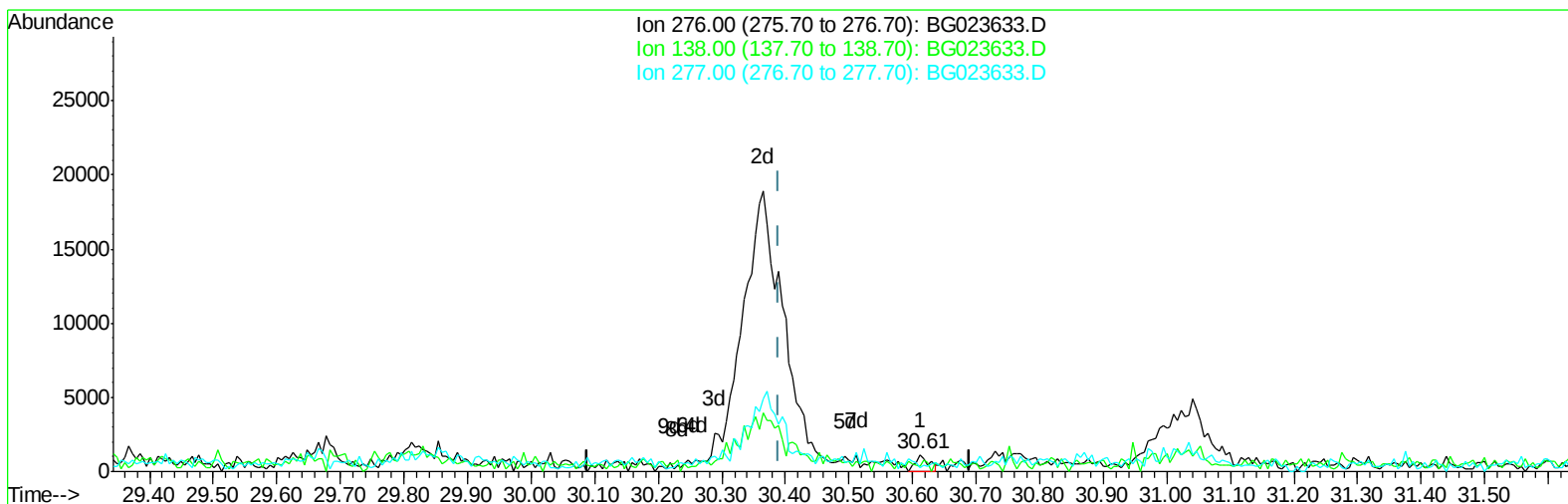
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023633.D
 Acq On : 11 Aug 2016 22:12
 Operator : UM/SJ
 Sample : H4360-18 4X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-3642-01

Manual Integrations
 APPROVED

sohil
 8/12/2016 5:56:01 PM

Quant Time: Aug 12 04:36:22 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration



TIC: BG023633.D

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

30.612min (+0.221) 0.03ng/ul

response 1615

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	33.04
277.00	21.20	23.79
0.00	0.00	0.00

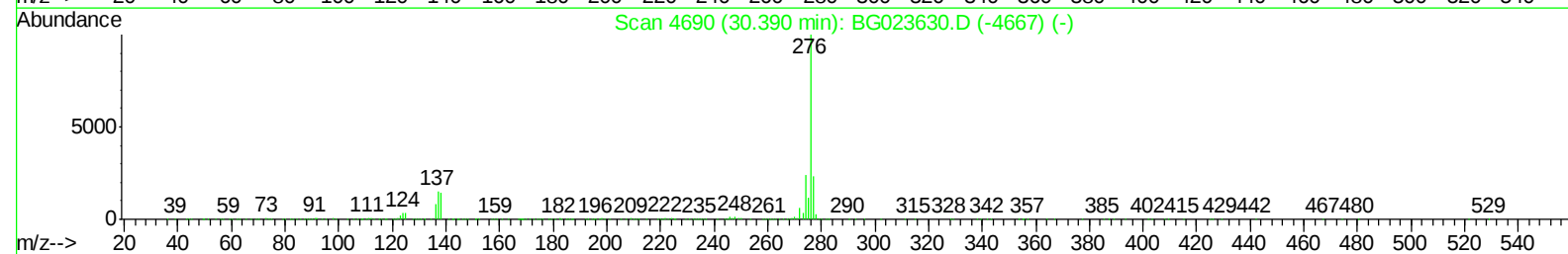
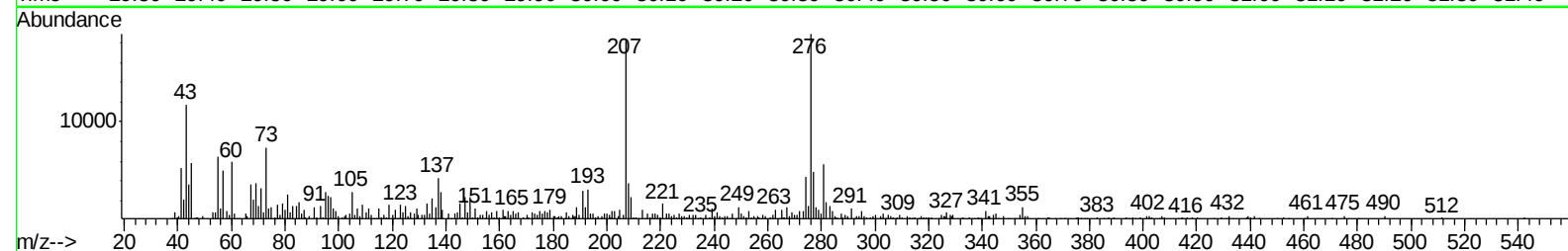
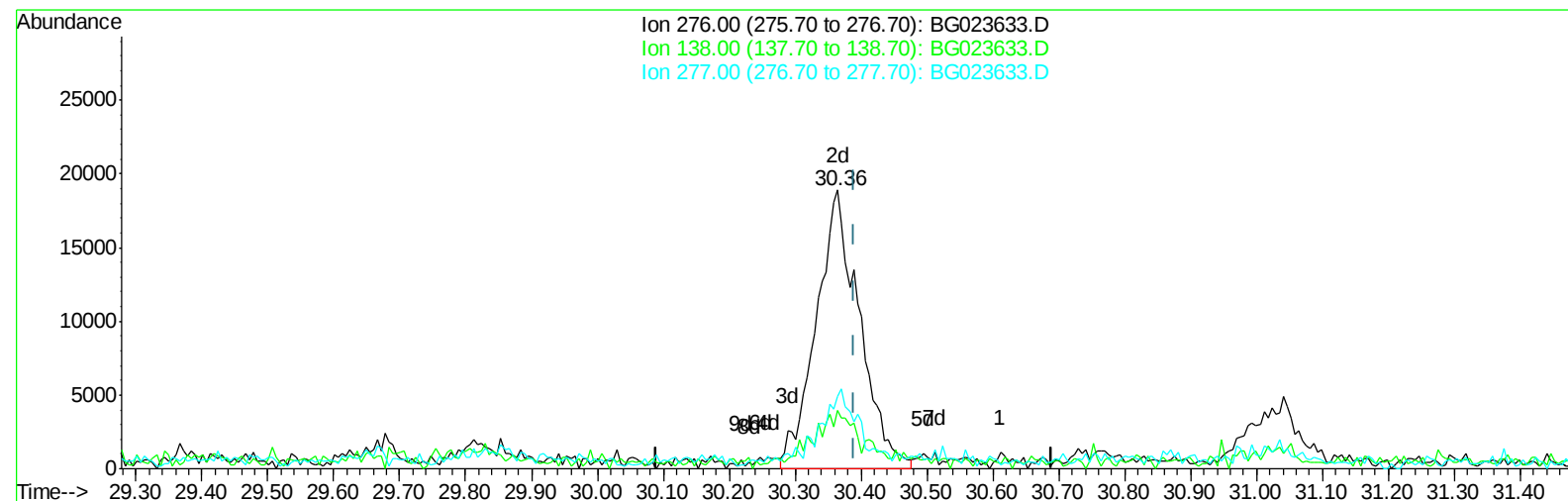
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Quant Time: Aug 12 04:36:22 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM



TIC: BG023633.D

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

30.365min (-0.025) 1.43ng/ul m

response 86032

Ion	Exp%	Act%
276.00	100	100
138.00	27.60	15.28#
277.00	21.20	25.95#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
 Data File : BG023633.D
 Acq On : 11 Aug 2016 22:12
 Operator : UM/SJ
 Sample : H4360-18 4X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PR001-SS003-3642-01

Manual Integrations
 APPROVED

sohil
 8/12/2016 5:56:01 PM

Quant Time: Aug 12 05:12:56 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 12 04:34:52 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	154429	20.00	ng/ul	-0.02
18) Naphthalene-d8	10.94	136	707340	20.00	ng/ul	-0.02
35) Acenaphthene-d10	14.79	164	478291	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.55	188	1089377	20.00	ng/ul	-0.01
75) Chrysene-d12	21.87	240	1107551	20.00	ng/ul	0.00
83) Perylene-d12	25.27	264	1123276	20.00	ng/ul	-0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.48	96	1307m	0.36	ng/uL	0.00
5) Phenol-d5	7.27	99	50422	3.24	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	7.43	67	34023	3.41	ng/ul	-0.02
9) 2-Chlorophenol-d4	7.64	132	37191	3.50	ng/ul	-0.01
13) 4-Methylphenol-d8	8.83	113	36182	2.98	ng/ul	-0.01
19) Nitrobenzene-d5	9.29	128	18829	3.38	ng/ul	-0.01
22) 2-Nitrophenol-d4	10.02	143	25355	3.96	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.57	165	42616	3.53	ng/ul	0.00
29) 4-Chloroaniline-d4	11.09	131	18533	1.31	ng/ul	-0.01
43) Dimethylphthalate-d6	14.18	166	143846	3.67	ng/ul	-0.01
46) Acenaphthylene-d8	14.47	160	167945	3.81	ng/ul	-0.01
51) 4-Nitrophenol-d4	15.02	143	19125m	2.86	ng/ul	0.02
57) Fluorene-d10	15.78	176	134330	3.71	ng/ul	-0.01
62) 4,6-Dinitro-2-methylphenol	15.92	200	10048	1.44	ng/ul	0.00
70) Anthracene-d10	17.65	188	194677	3.97	ng/ul	-0.01
76) Pyrene-d10	19.94	212	208962	3.73	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	194592	3.83	ng/ul	-0.02

Target Compounds

					Qvalue
44) Dimethylphthalate	14.22	163	70183	1.81 ng/ul#	96
69) Phenanthrene	17.59	178	130169	2.31 ng/ul	96
74) Fluoranthene	19.60	202	256612	4.44 ng/ul#	92
77) Pyrene	19.97	202	269297	3.93 ng/ul#	93
80) Benzo(a)anthracene	21.85	228	150323	2.41 ng/ul#	95
82) Chrysene	21.92	228	152849	2.70 ng/ul#	94
85) Benzo(b)fluoranthene	24.19	252	192840	3.02 ng/ul	98
88) Benzo(a)pyrene	25.10	252	137951m	2.24 ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.14	276	91627m	1.26 ng/ul	
91) Benzo(g,h,i)perylene	30.36	276	86032m	1.43 ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023633.D
Acq On : 11 Aug 2016 22:12
Operator : UM/SJ
Sample : H4360-18 4X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS003-3642-01

Manual Integrations
APPROVED

sohil
8/12/2016 5:56:01 PM

Quant Time: Aug 12 05:12:56 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 12 04:34:52 2016
Response via : Initial Calibration

