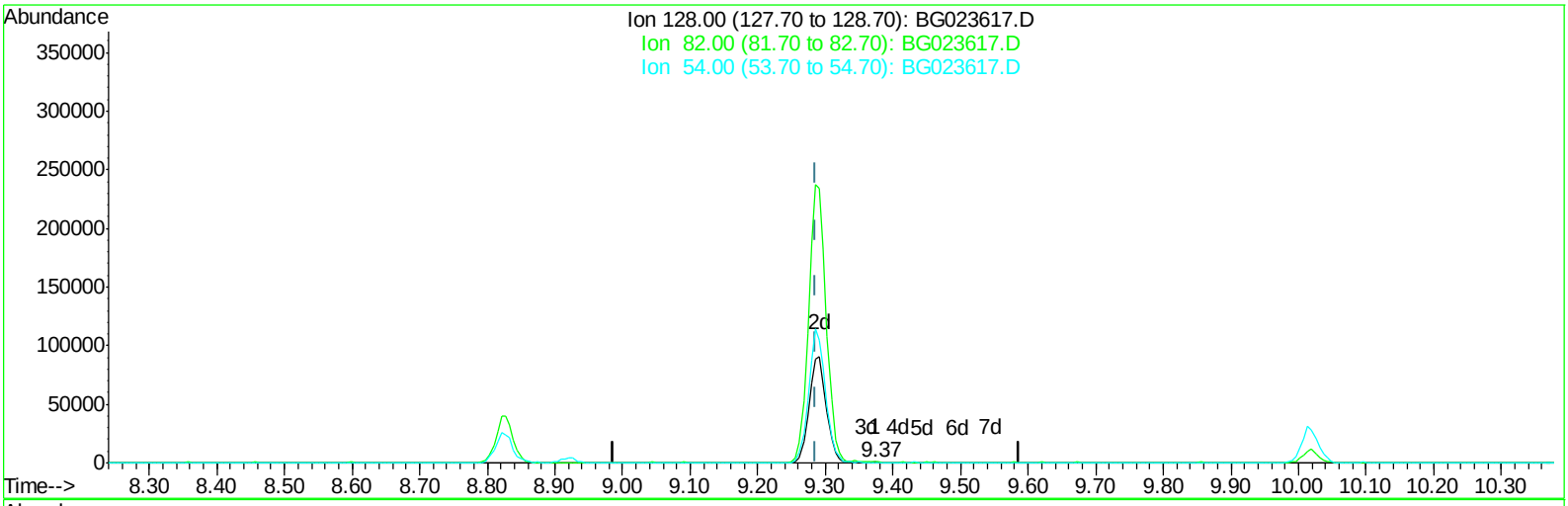
Quantitation Report (Qedit)

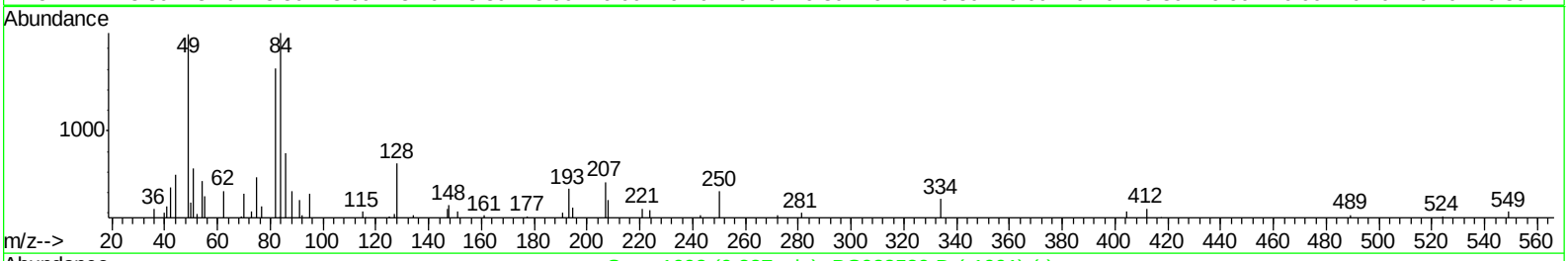
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

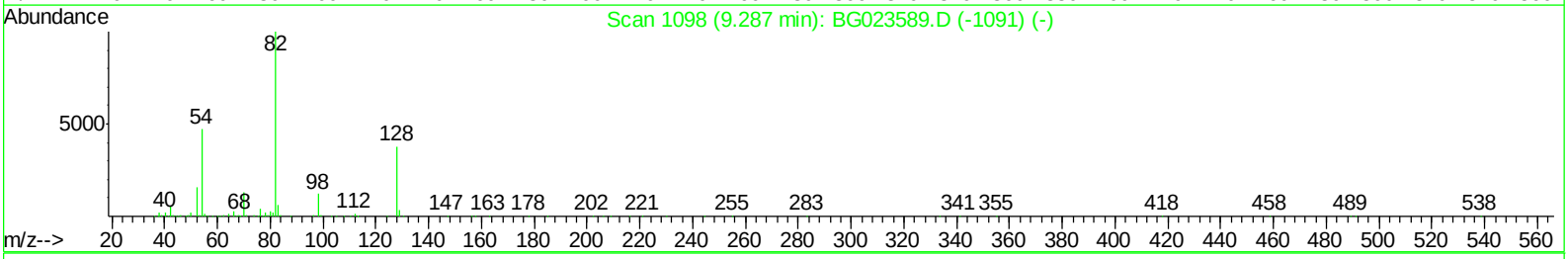
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(19) Nitrobenzene-d5 (S)

9.373min (+0.086) 0.03ng/ul

response 240

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	236.86
54.00	78.50	75.62
0.00	0.00	0.00

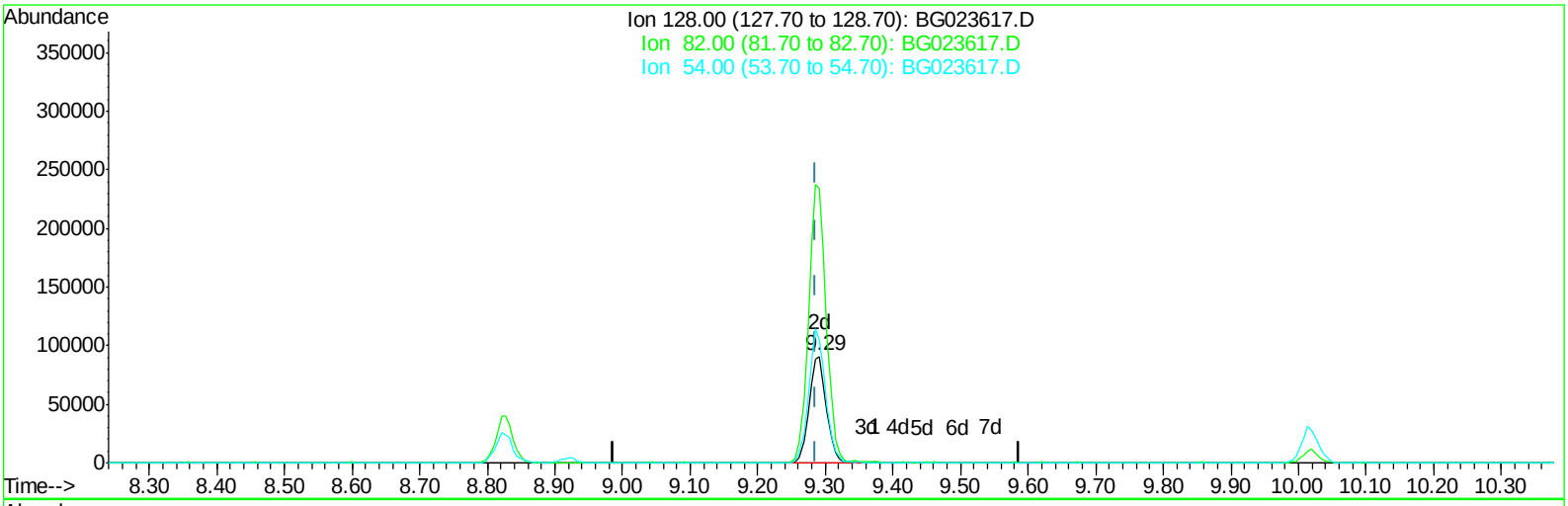
Quantitation Report (Qedit)

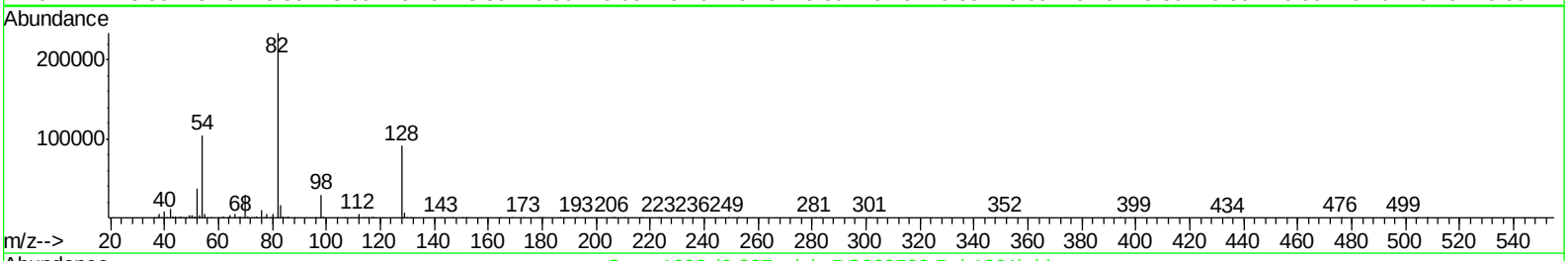
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

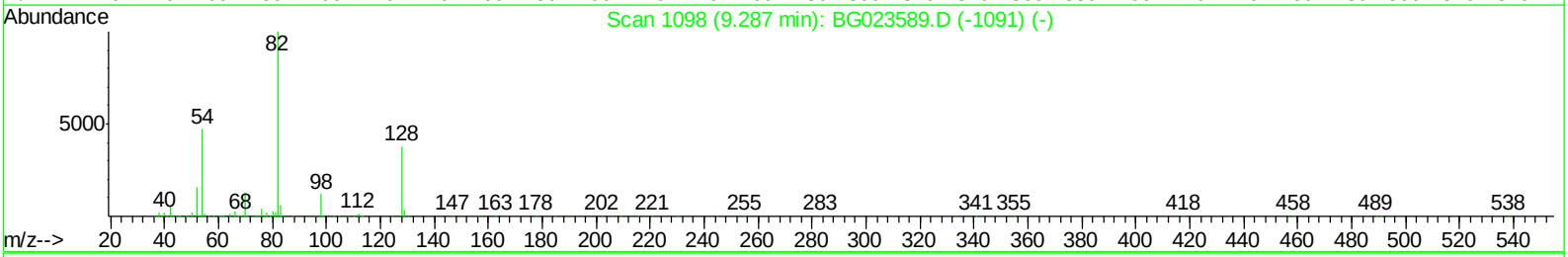
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(19) Nitrobenzene-d5 (S)

9.291min (+0.004) 22.39ng/ul m

response 162115

Ion	Exp%	Act%
128.00	100	100
82.00	219.50	257.75
54.00	78.50	115.49#
0.00	0.00	0.00

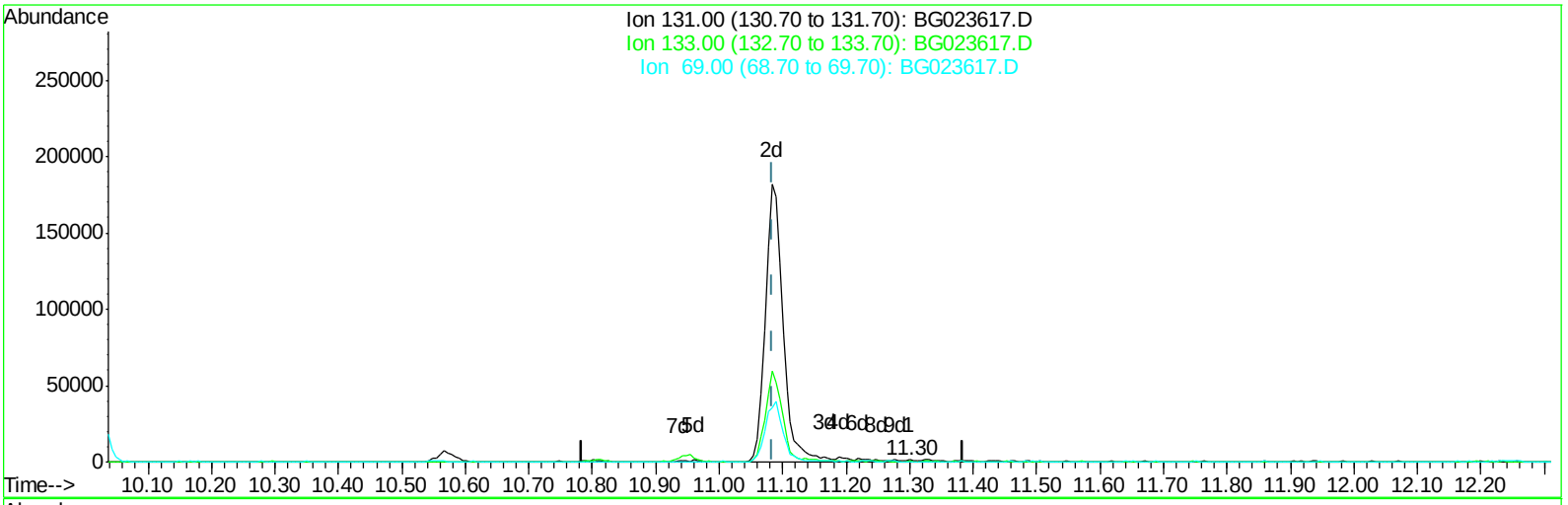
Quantitation Report (Qedit)

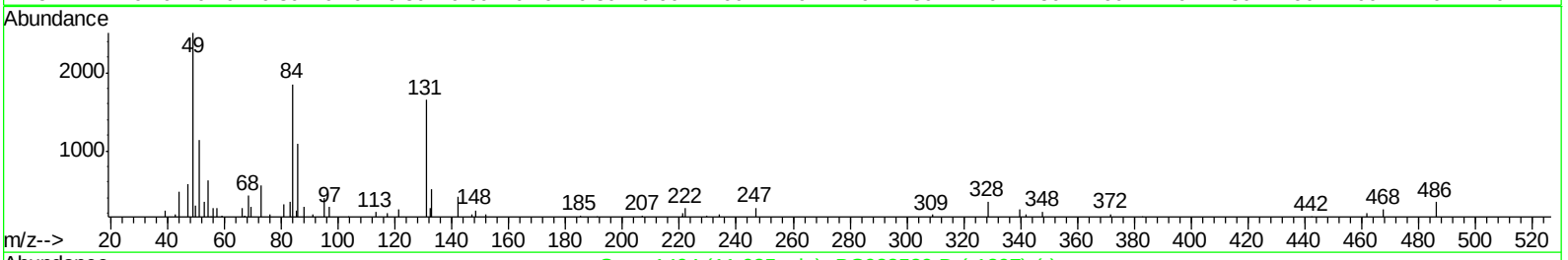
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

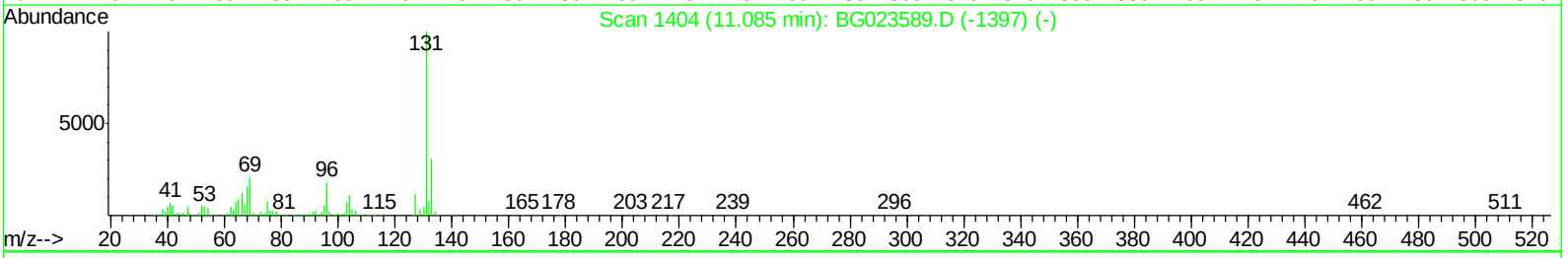
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(29) 4-Chloroaniline-d4 (S)

11.300min (+0.216) 0.06ng/ul

response 1154

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	30.83
69.00	15.40	16.69
0.00	0.00	0.00

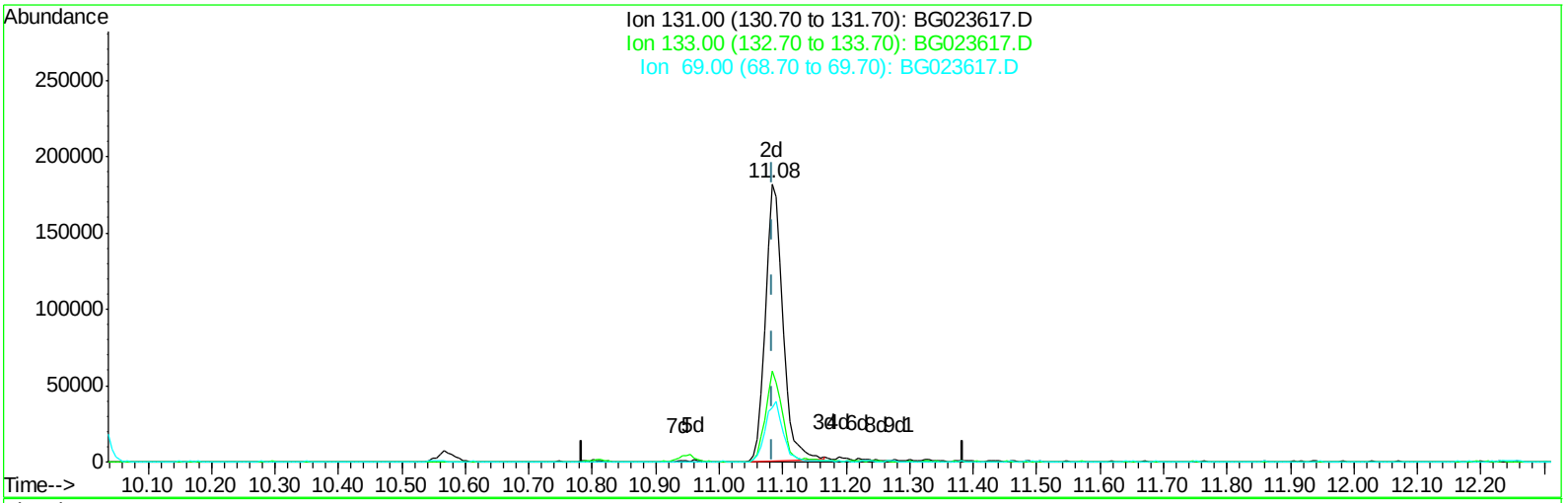
Quantitation Report (Qedit)

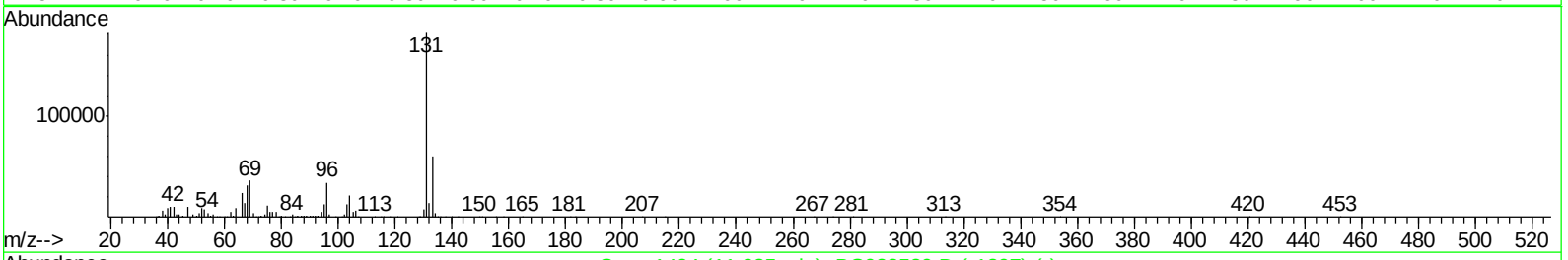
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

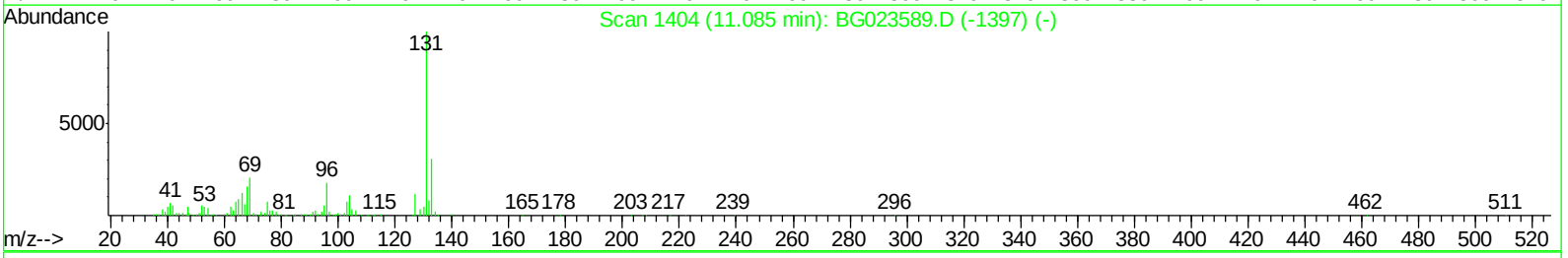
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(29) 4-Chloroaniline-d4 (S)

11.083min (-0.002) 18.71ng/ul m

response 344331

Ion	Exp%	Act%
131.00	100	100
133.00	33.10	32.81
69.00	15.40	19.71#
0.00	0.00	0.00

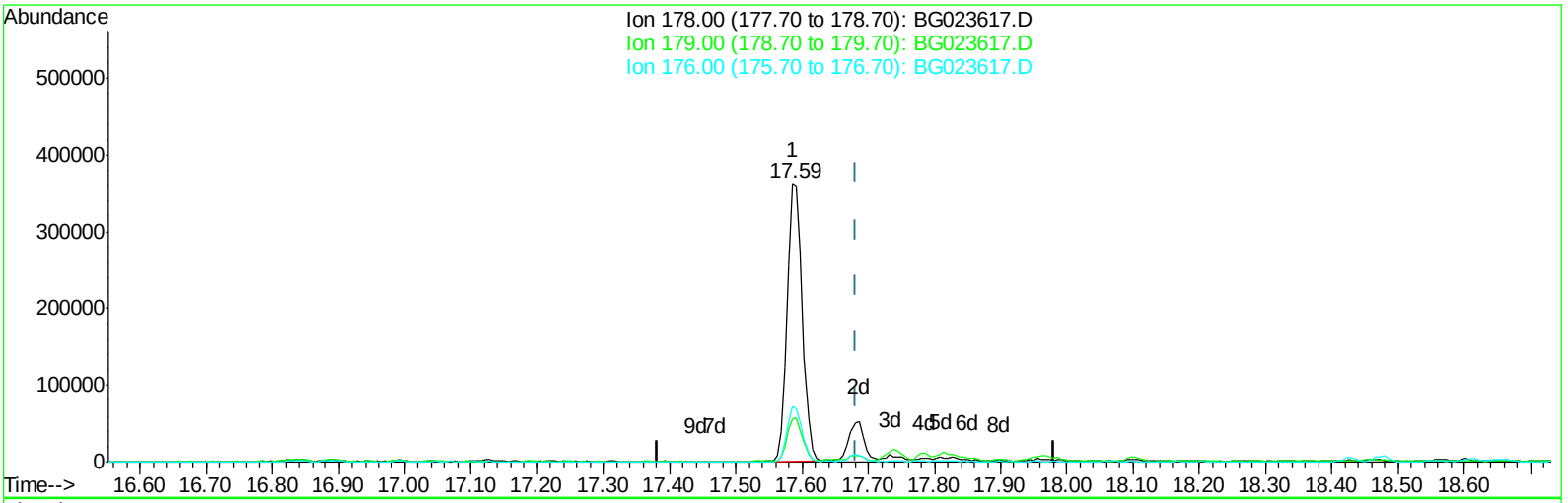
Quantitation Report (Qedit)

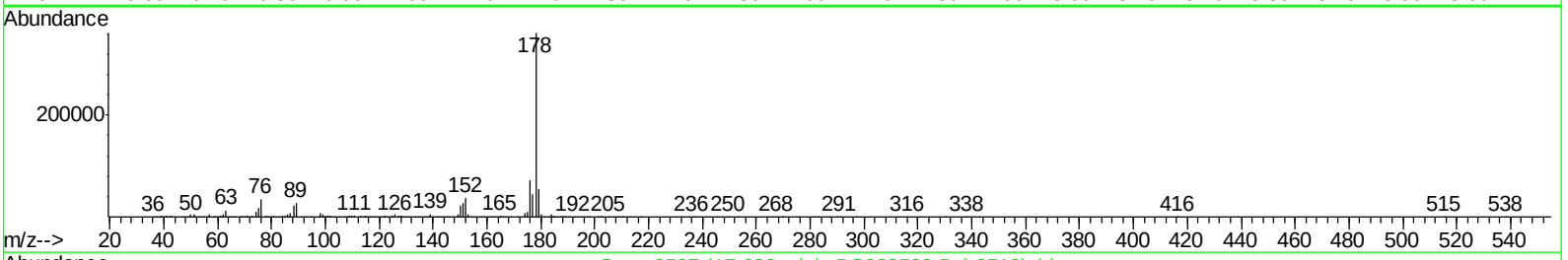
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

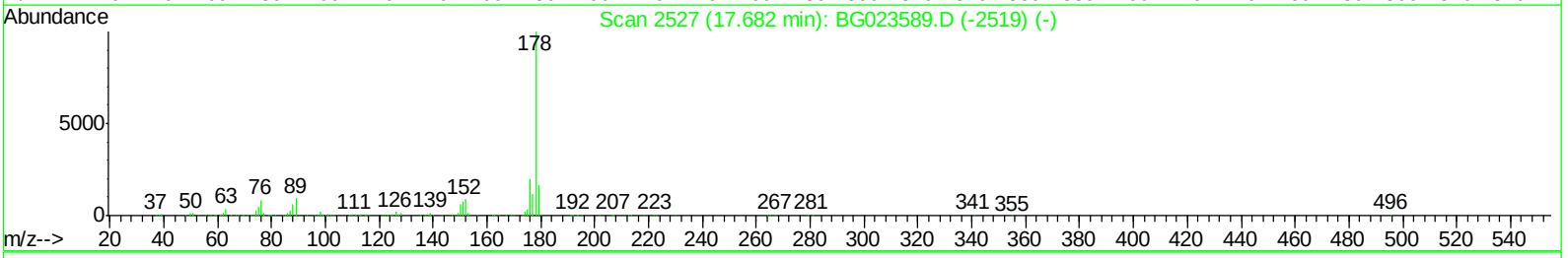
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(71) Anthracene

17.586min (-0.096) 8.07ng/ul

response 573804

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.42
176.00	20.40	20.22
0.00	0.00	0.00

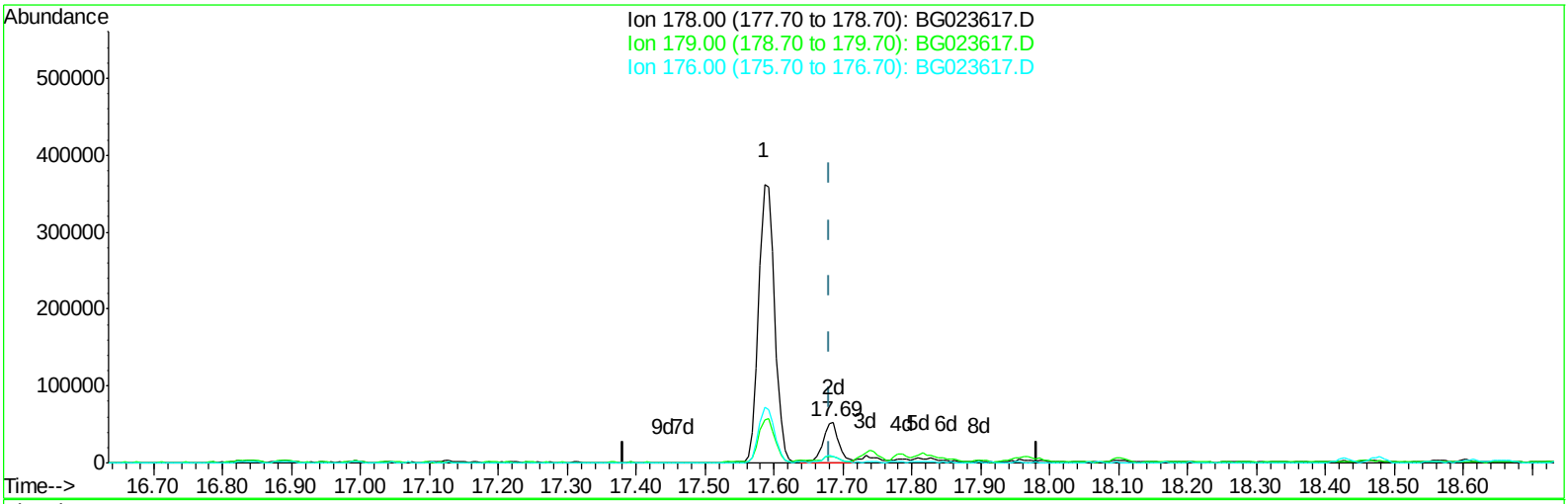
Quantitation Report (Qedit)

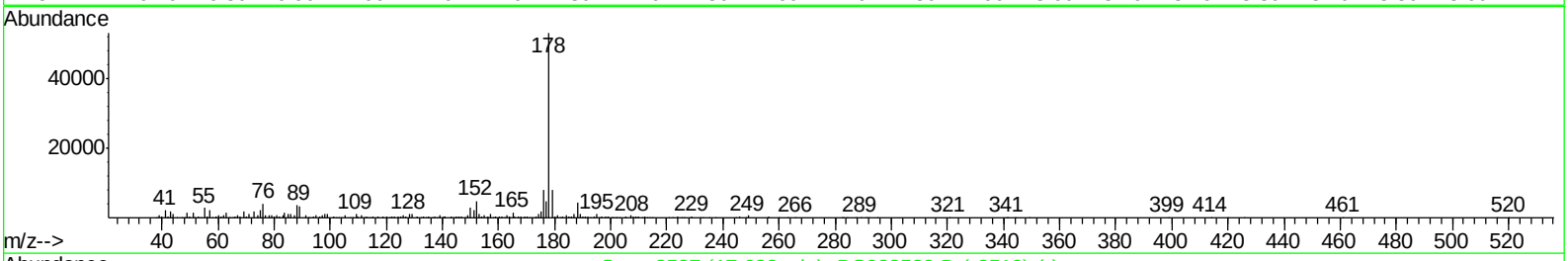
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

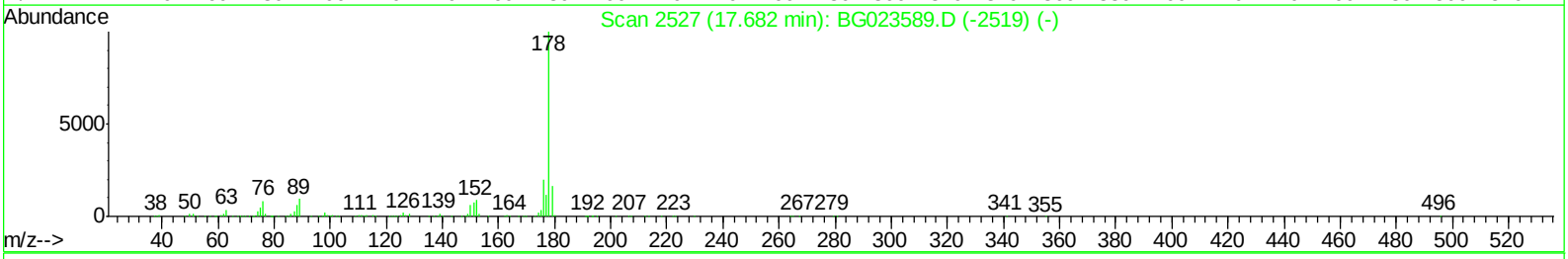
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(71) Anthracene

17.686min (+0.004) 1.23ng/ul m

response 87261

Ion	Exp%	Act%
178.00	100	100
179.00	15.40	15.20
176.00	20.40	15.63#
0.00	0.00	0.00

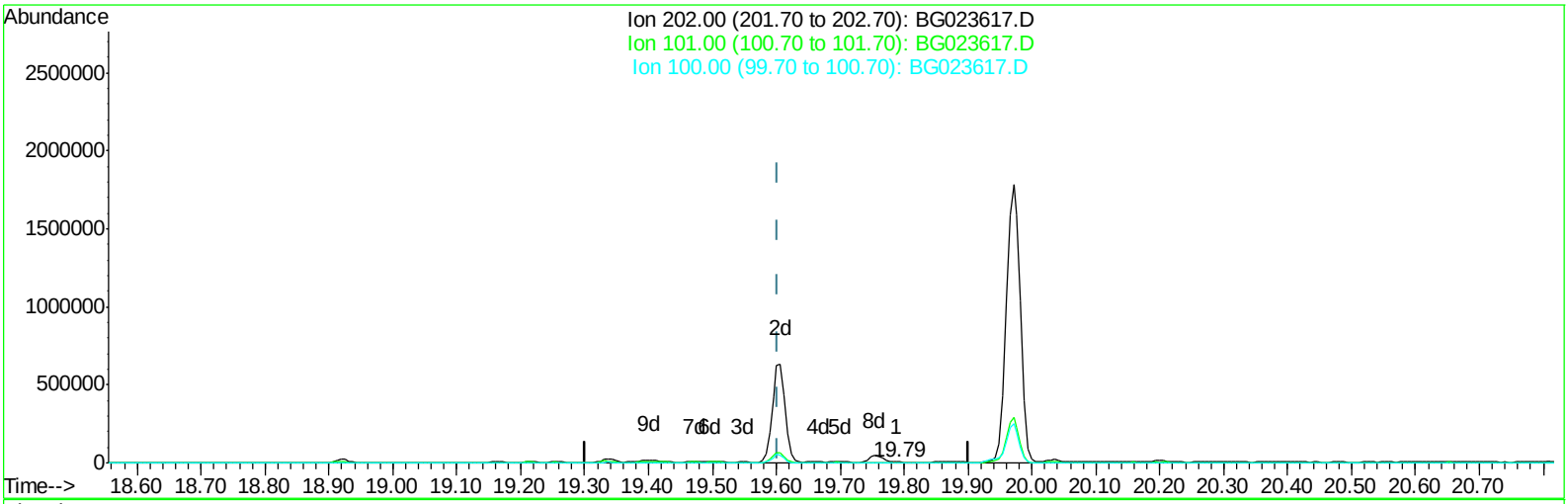
Quantitation Report (Qedit)

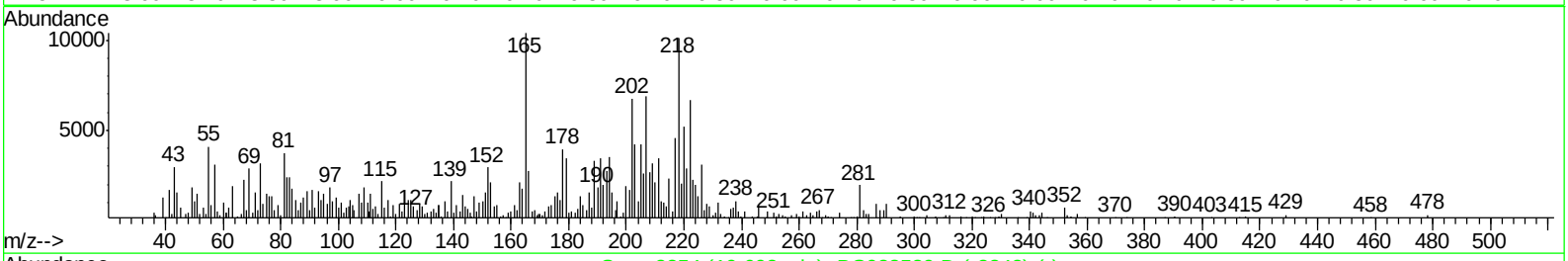
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

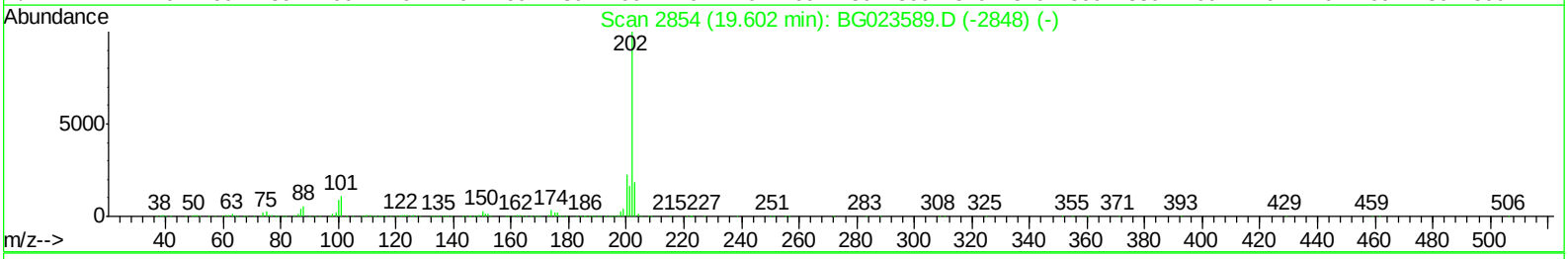
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(74) Fluoranthene (C)

19.789min (+0.186) 0.04ng/ul

response 3166

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	15.24
100.00	10.90	10.96
0.00	0.00	0.00

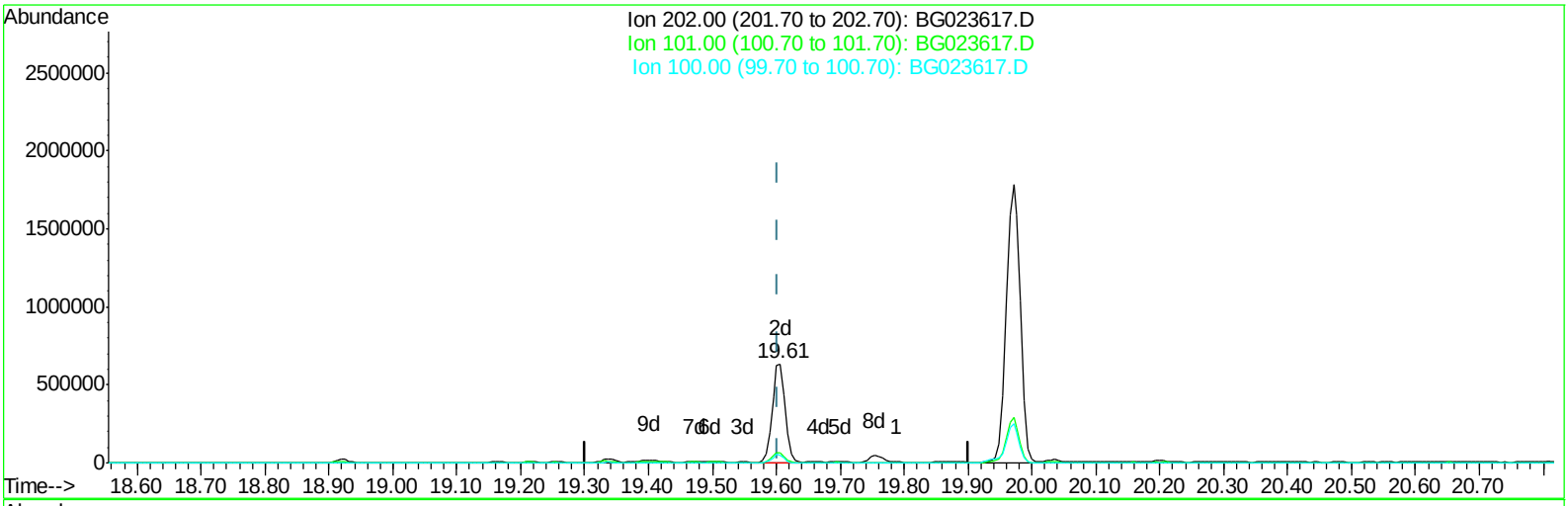
Quantitation Report (Qedit)

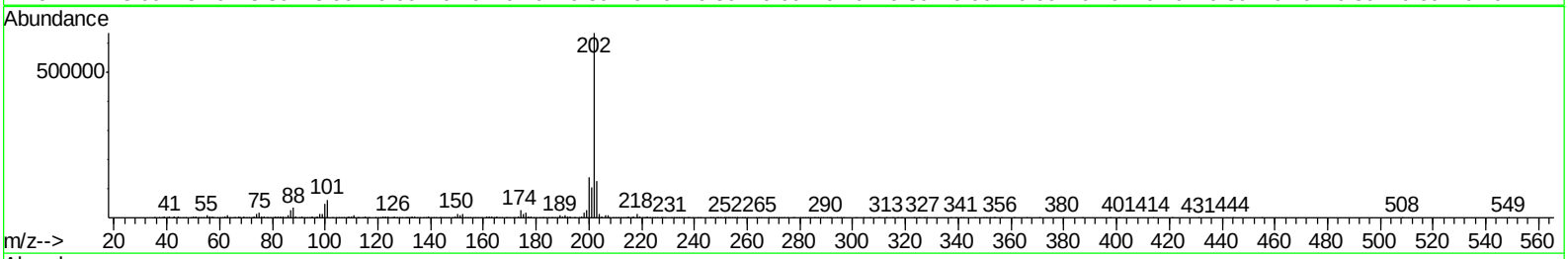
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

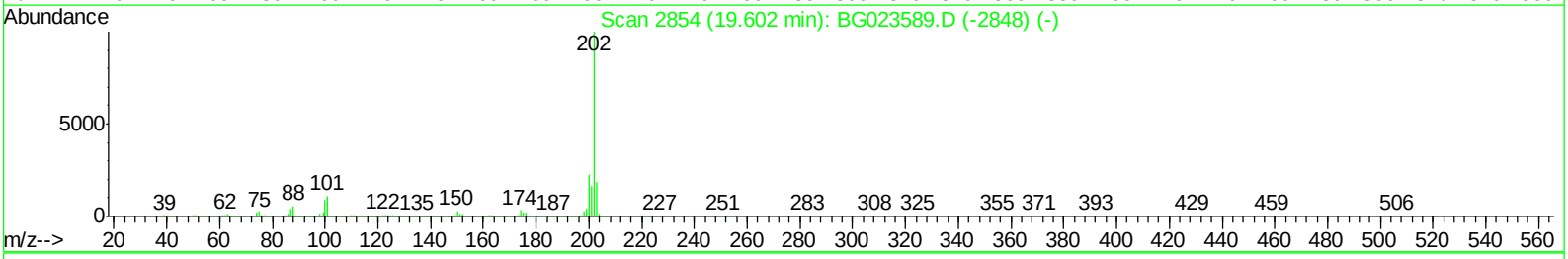
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(74) Fluoranthene (C)

19.607min (+0.004) 13.17ng/ul m

response 939892

Ion	Exp%	Act%
202.00	100	100
101.00	13.30	9.92#
100.00	10.90	7.37#
0.00	0.00	0.00

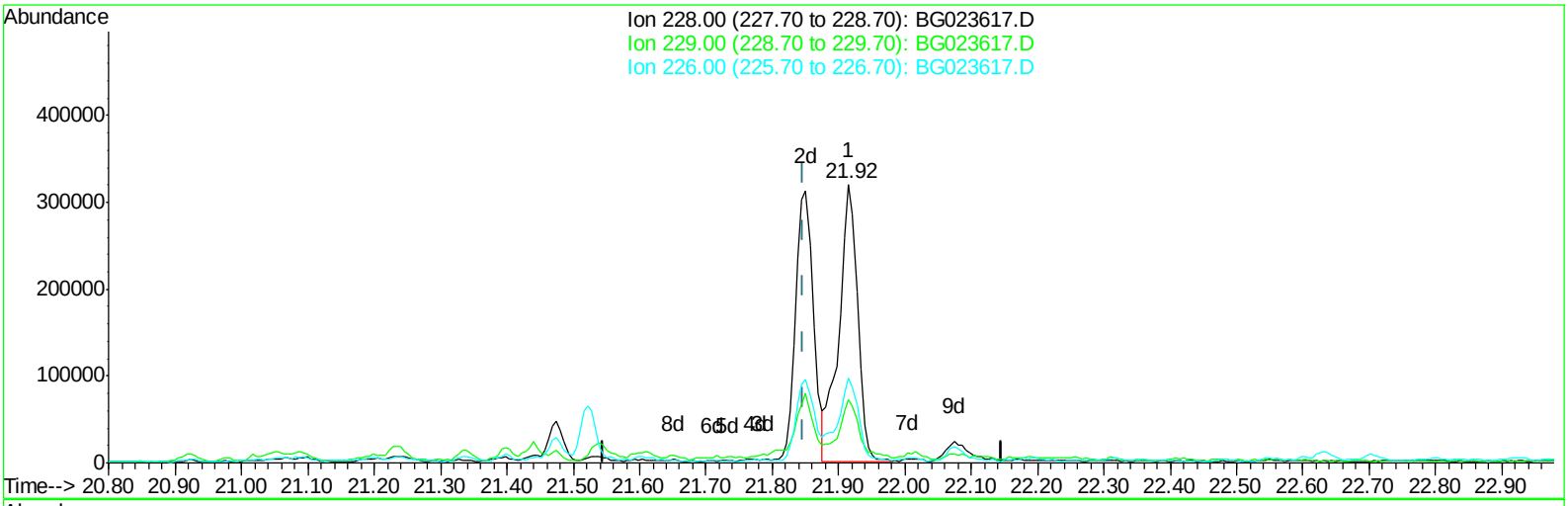
Quantitation Report (Qedit)

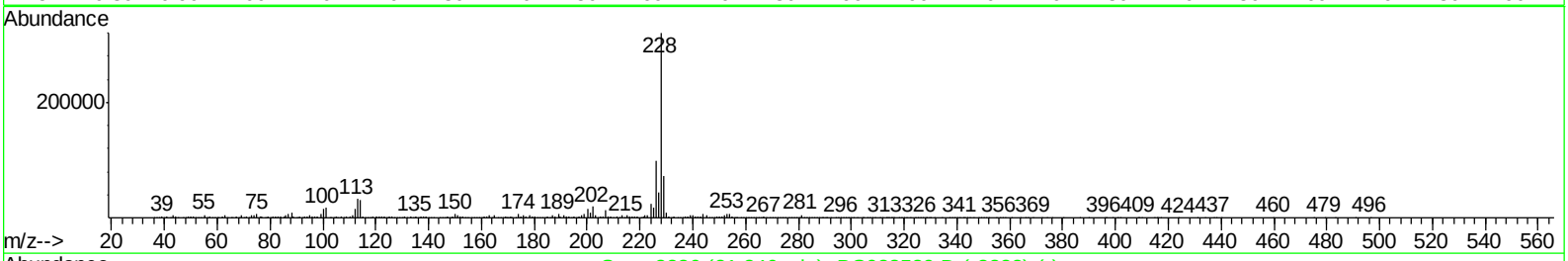
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

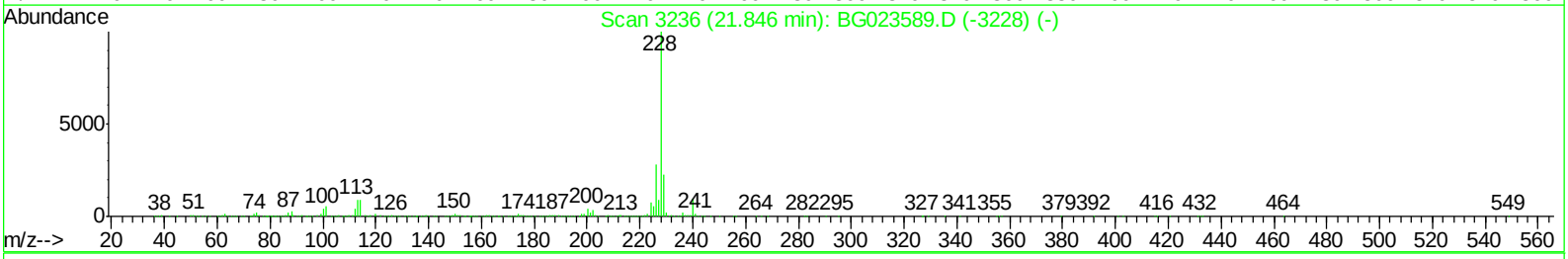
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(80) Benzo(a)anthracene

21.915min (+0.069) 8.44ng/ul

response 620148

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	22.83
226.00	28.50	30.57
0.00	0.00	0.00

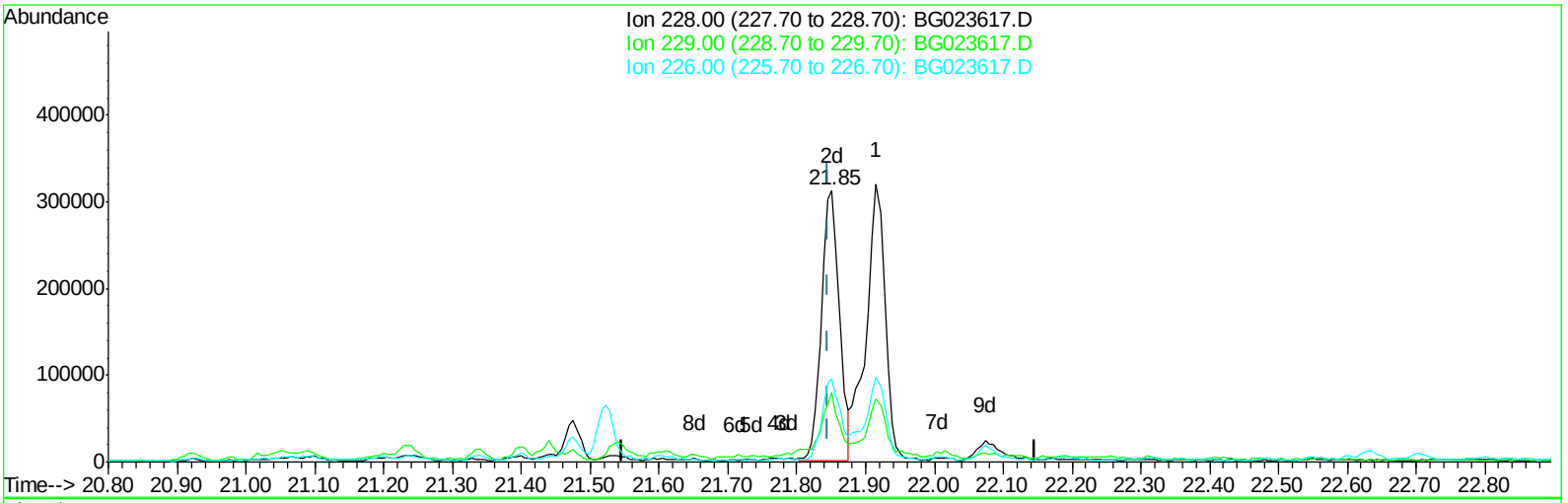
Quantitation Report (Qedit)

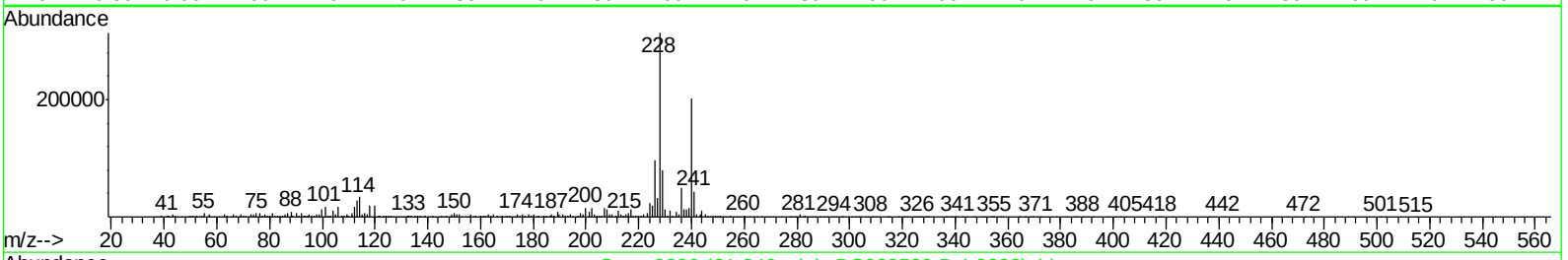
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

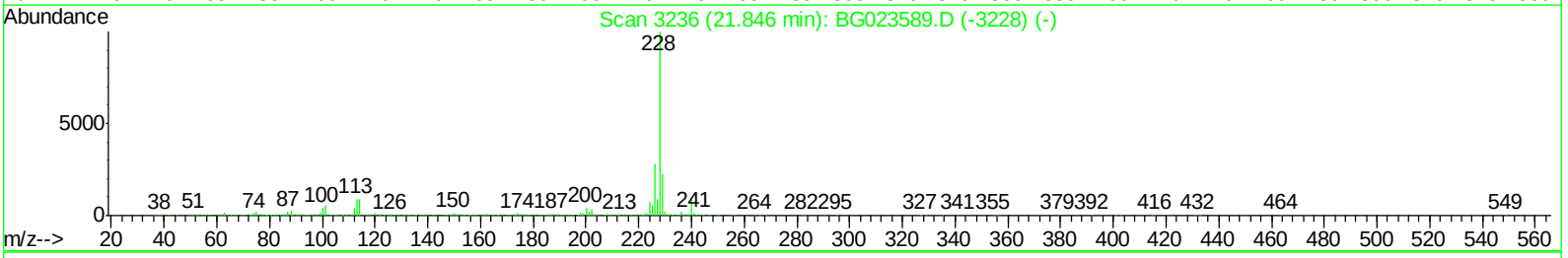
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(80) Benzo(a)anthracene

21.851min (+0.004) 7.77ng/ul m

response 570893

Ion	Exp%	Act%
228.00	100	100
229.00	19.30	25.48#
226.00	28.50	30.60
0.00	0.00	0.00

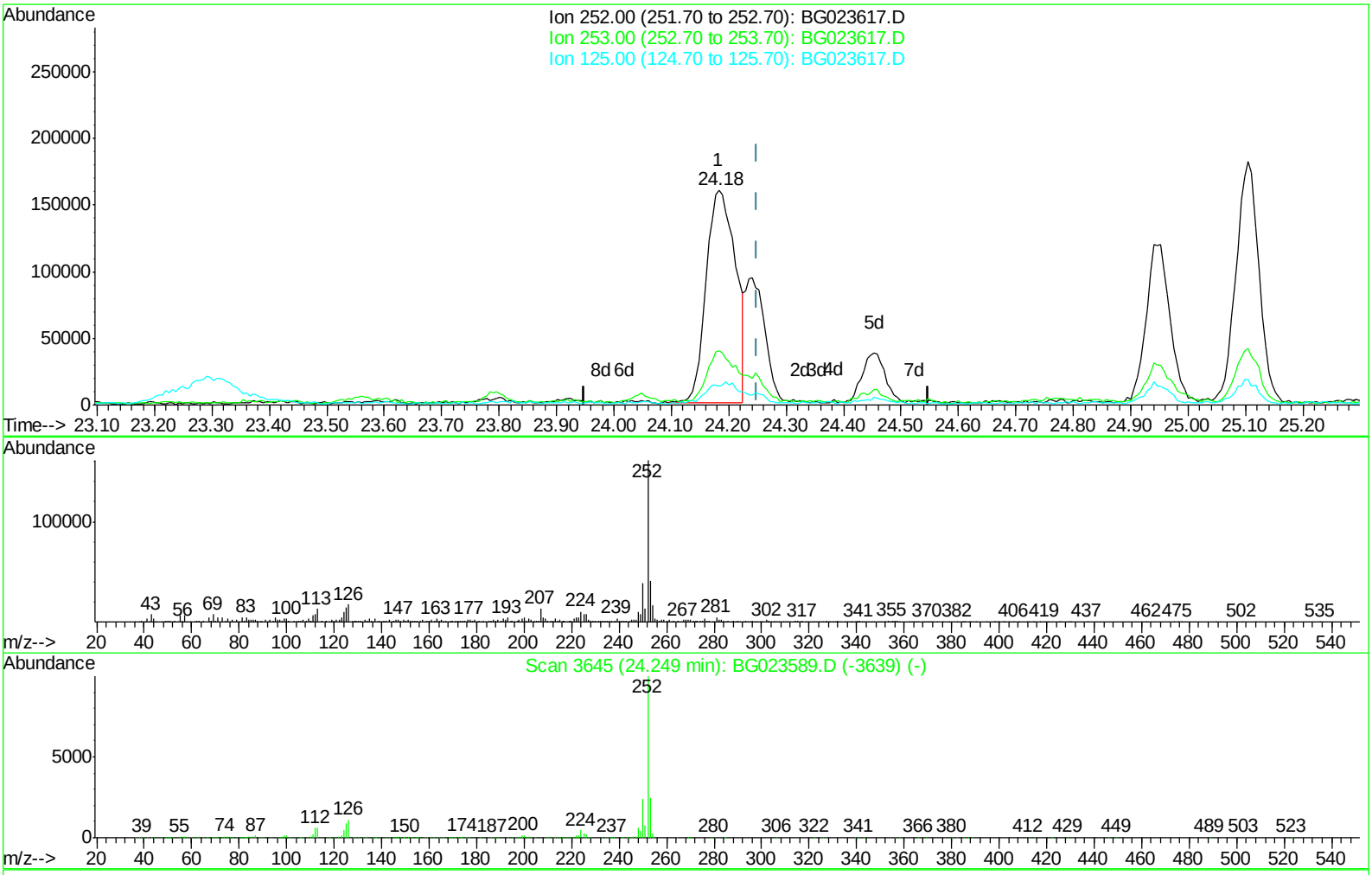
Quantitation Report (Qedit)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 11 07:53:10 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

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM



TIC: BG023617.D

(86) Benzo(k)fluoranthene

24.183min (-0.066) 7.80ng/ul

response 575717

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	25.41#
125.00	13.30	8.86#
0.00	0.00	0.00

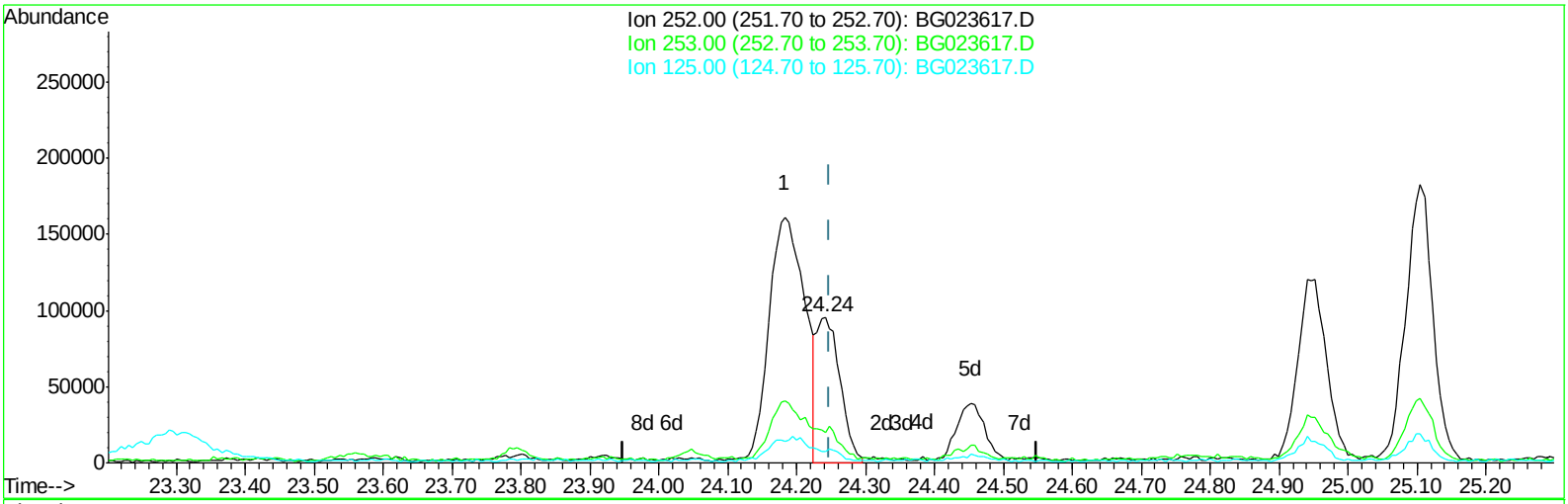
Quantitation Report (Qedit)

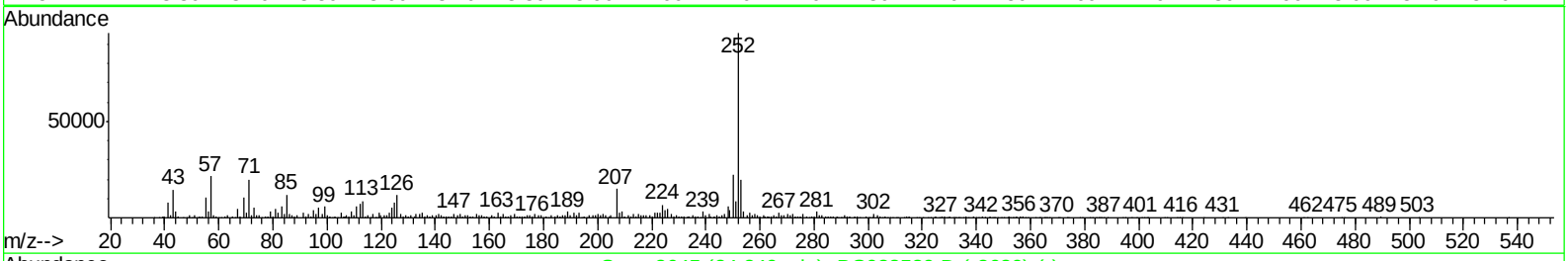
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

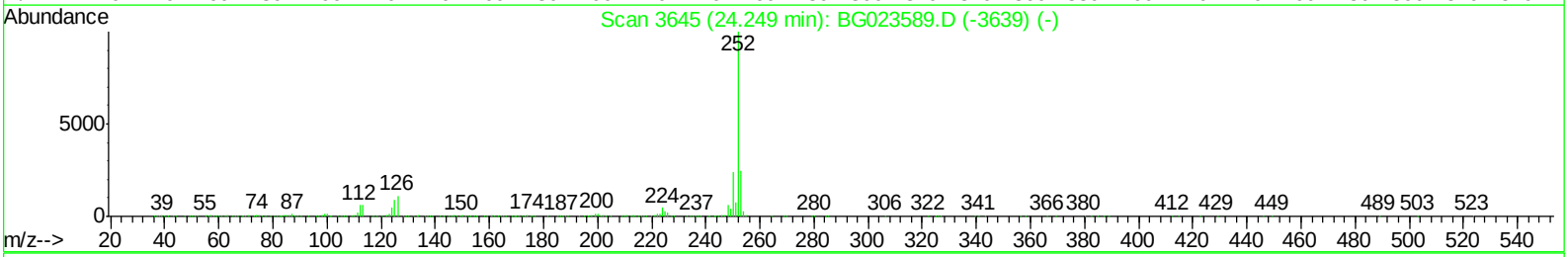
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(86) Benzo(k)fluoranthene

24.242min (-0.008) 3.03ng/ul m

response 223561

Ion	Exp%	Act%
252.00	100	100
253.00	19.70	20.73
125.00	13.30	8.16#
0.00	0.00	0.00

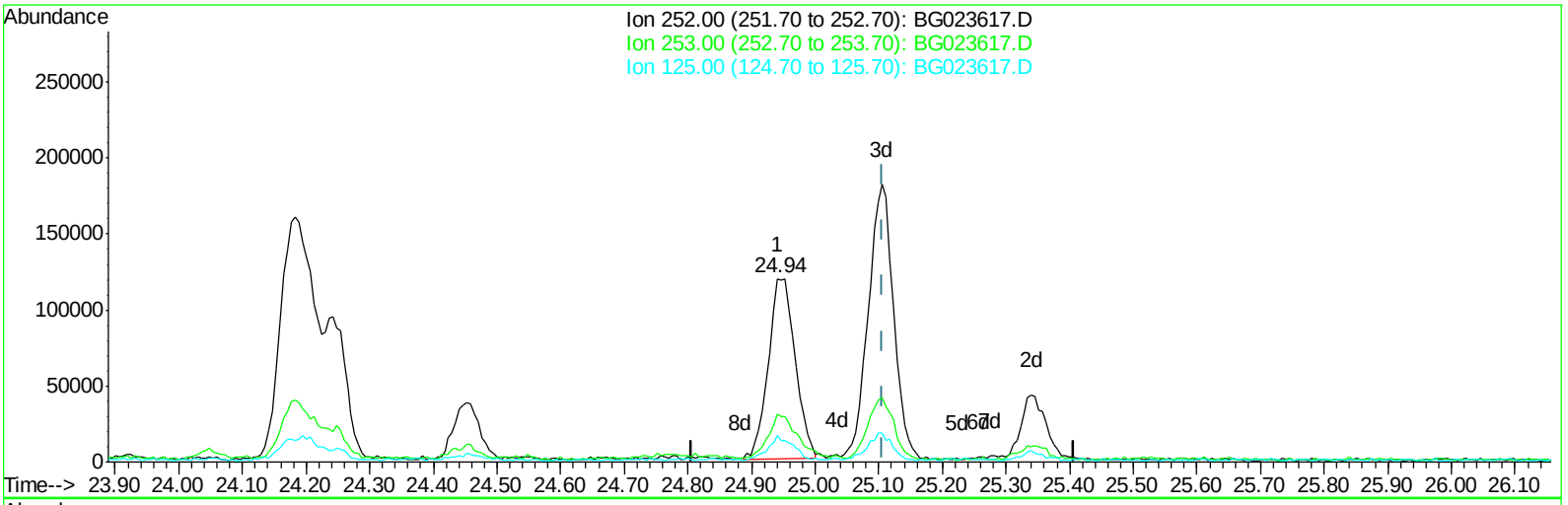
Quantitation Report (Qedit)

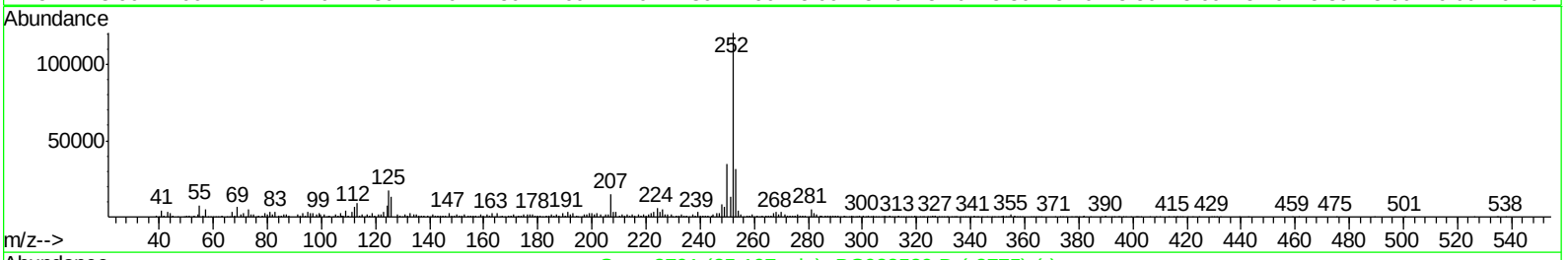
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

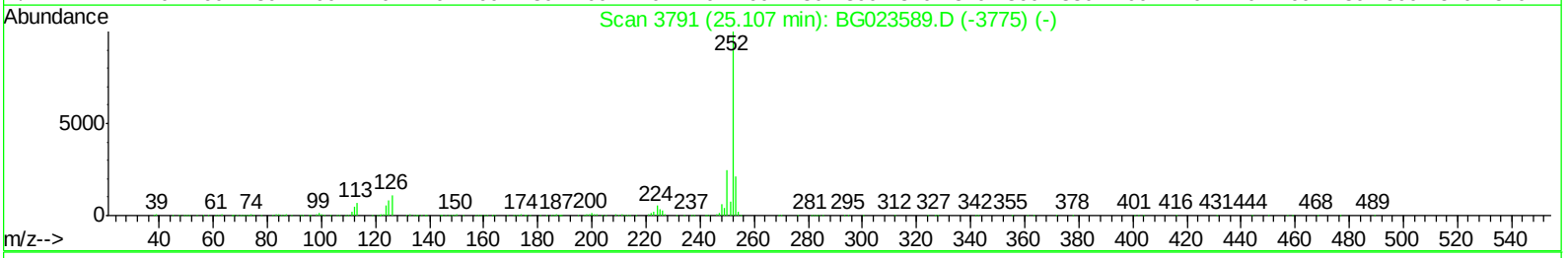
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(88) Benzo(a)pyrene (C)

24.941min (-0.166) 4.74ng/ul

response 342947

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	26.22
125.00	15.00	14.75
0.00	0.00	0.00

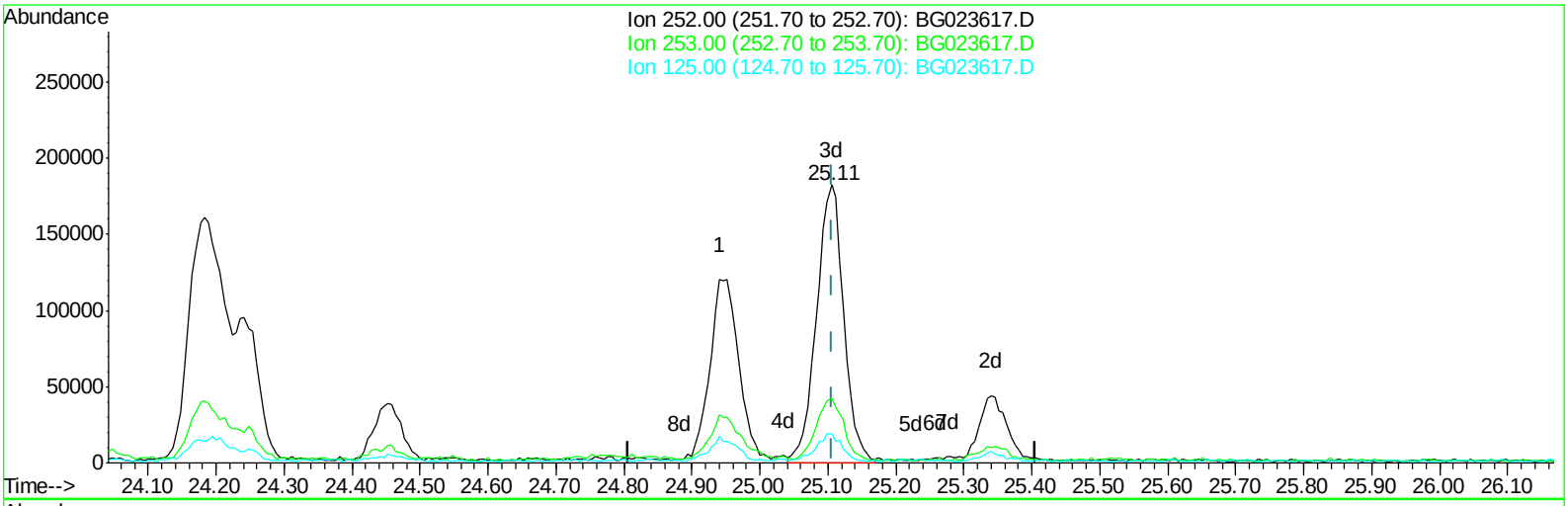
Quantitation Report (Qedit)

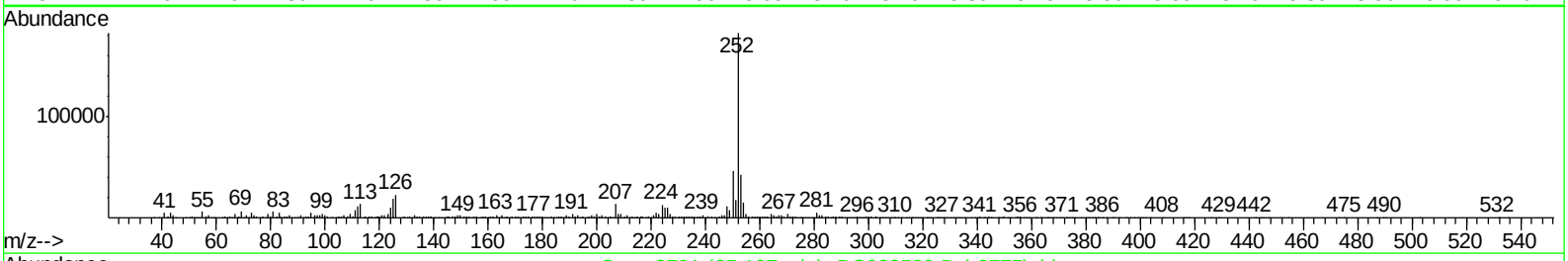
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

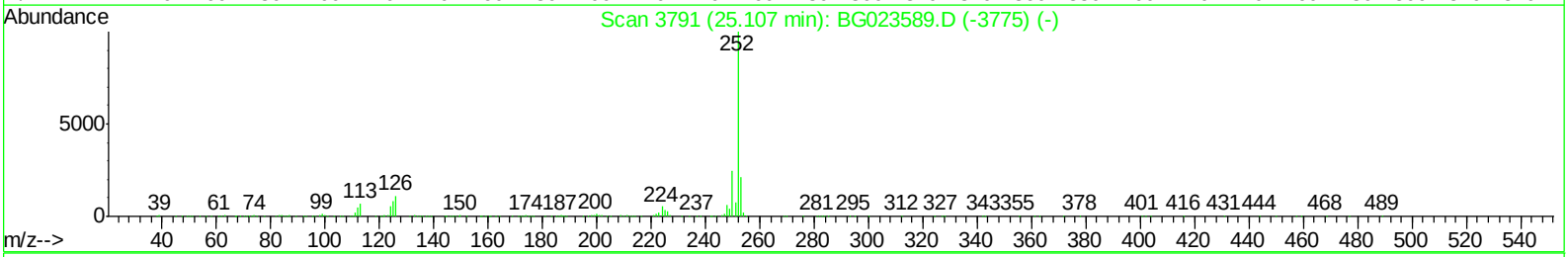
Quant Time: Aug 11 07:53:10 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(88) Benzo(a)pyrene (C)

25.105min (-0.002) 7.01ng/ul m

response 507354

Ion	Exp%	Act%
252.00	100	100
253.00	23.70	23.41
125.00	15.00	10.27#
0.00	0.00	0.00

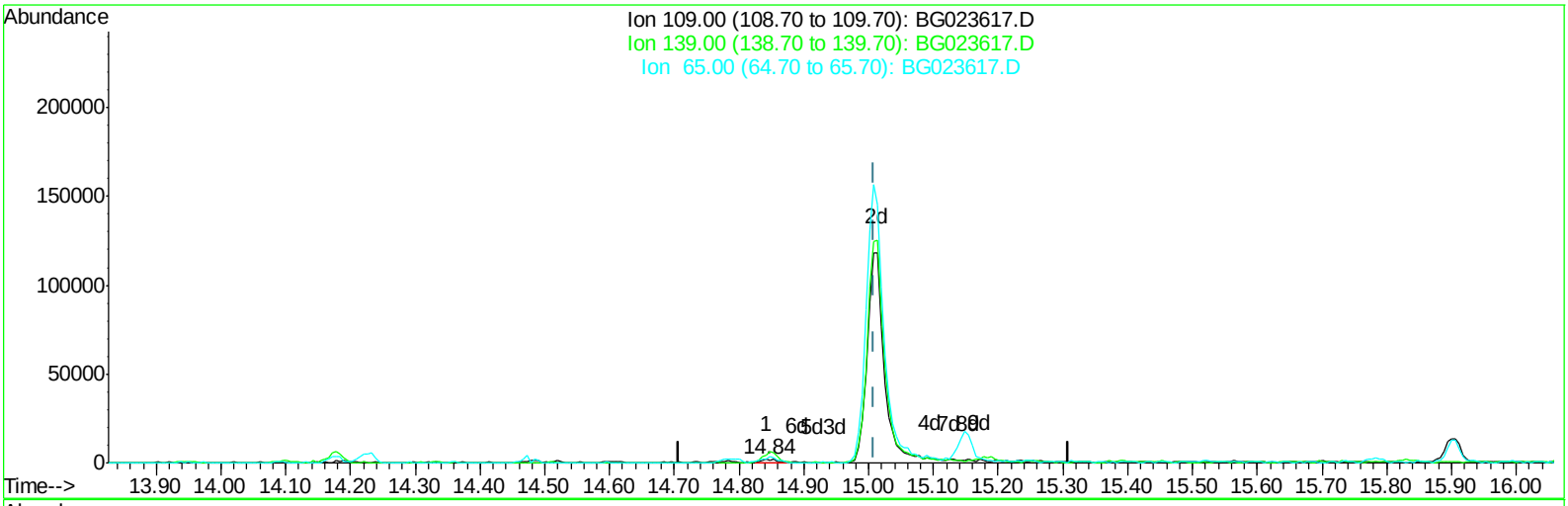
Quantitation Report (Qedit)

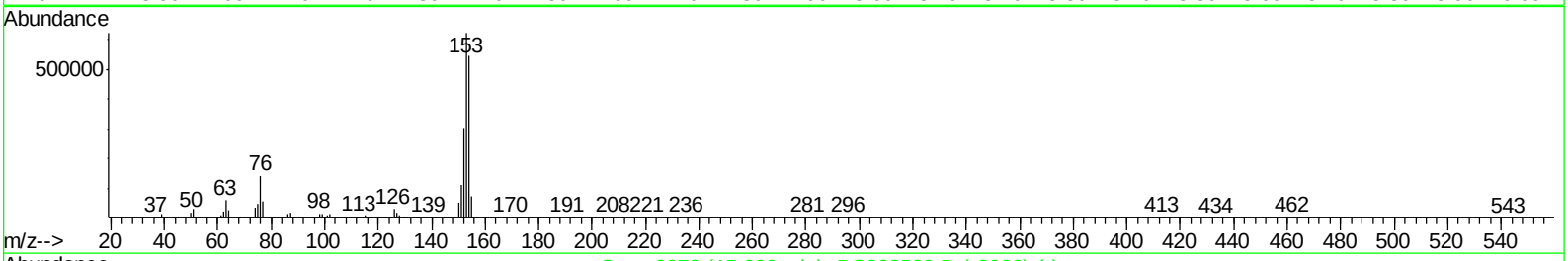
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

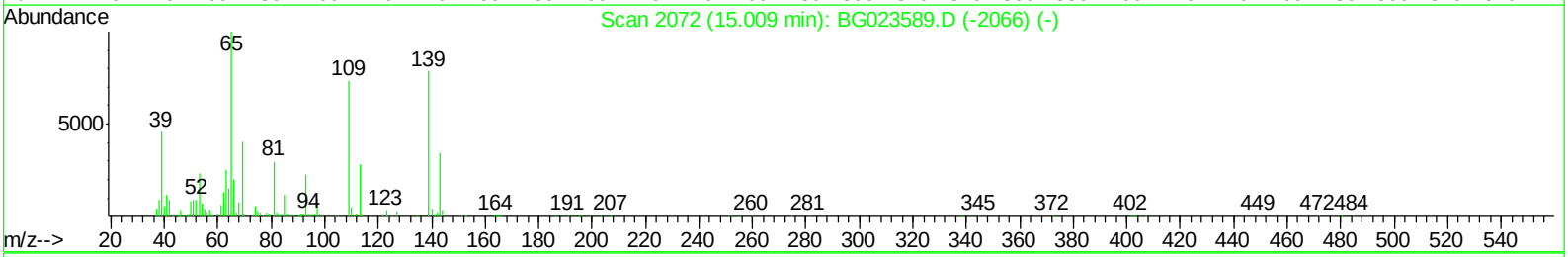
Quant Time: Aug 11 07:55:43 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(52) 4-Nitrophenol

14.843min (-0.166) 0.38ng/ul

response 3433

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	195.94
65.00	132.50	120.31
0.00	0.00	0.00

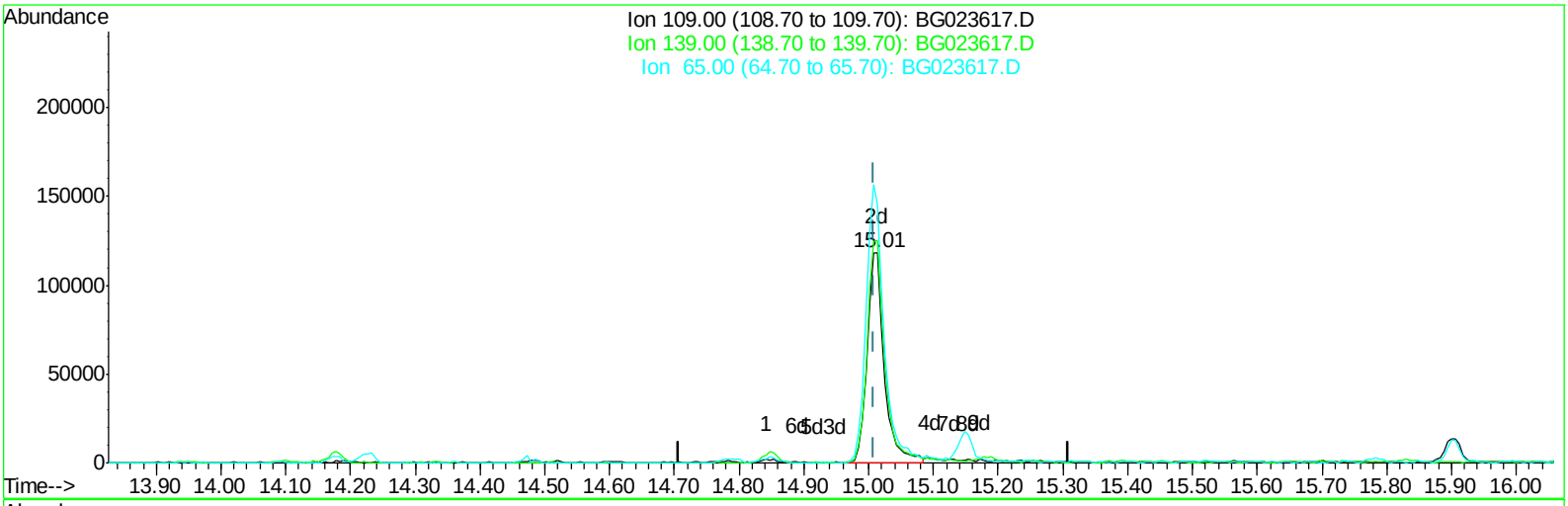
Quantitation Report (Qedit)

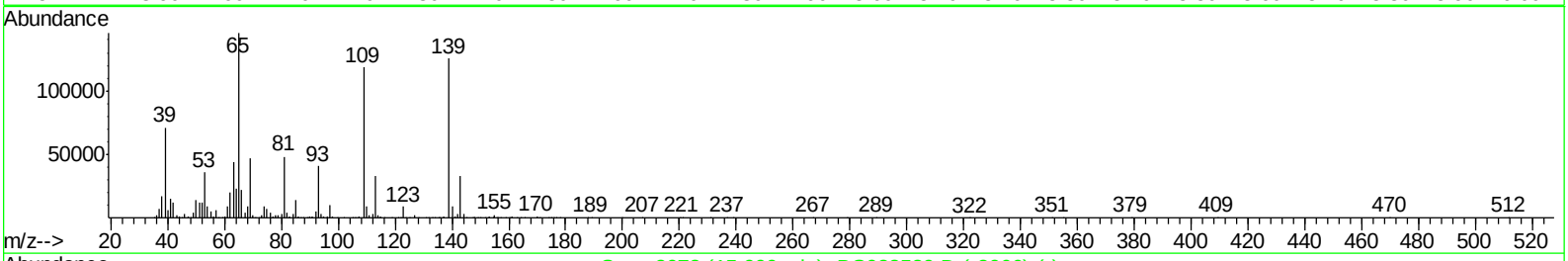
Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

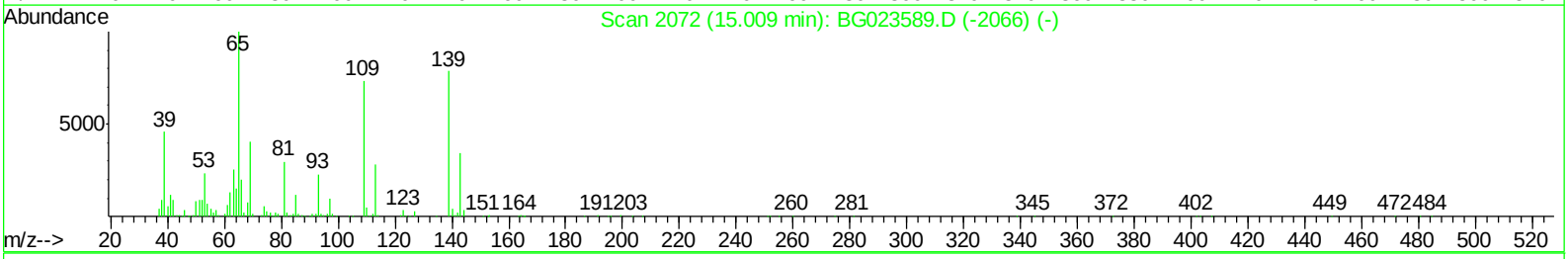
Quant Time: Aug 11 07:55:43 2016
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 11 03:58:16 2016
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM







TIC: BG023617.D

(52) 4-Nitrophenol

15.013min (+0.004) 24.39ng/ul m

response 218569

Ion	Exp%	Act%
109.00	100	100
139.00	170.10	105.55#
65.00	132.50	122.72
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM

Quant Time: Aug 11 08:31:20 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	192302	20.00	ng/ul	0.00
18) Naphthalene-d8	10.95	136	918506	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.78	164	640096	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.54	188	1345952	20.00	ng/ul	0.00
75) Chrysene-d12	21.87	240	1304391	20.00	ng/ul	0.00
83) Perylene-d12	25.27	264	1318085	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.48	96	15389	3.40	ng/uL	0.00
5) Phenol-d5	7.26	99	414584	21.40	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.42	67	255021	20.55	ng/ul	0.00
9) 2-Chlorophenol-d4	7.64	132	284287	21.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.82	113	316097	20.90	ng/ul	0.00
19) Nitrobenzene-d5	9.29	128	162115m	22.39	ng/ul	0.00
22) 2-Nitrophenol-d4	10.02	143	189893	22.84	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.57	165	379781	24.21	ng/ul	0.00
29) 4-Chloroaniline-d4	11.08	131	344331m	18.71	ng/ul	0.00
43) Dimethylphthalate-d6	14.18	166	1326856	25.32	ng/ul	0.00
46) Acenaphthylene-d8	14.48	160	1518281	25.74	ng/ul	0.00
51) 4-Nitrophenol-d4	15.00	143	220804	24.68	ng/ul	0.00
57) Fluorene-d10	15.78	176	1211360	25.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.91	200	233187	27.00	ng/ul	0.00
70) Anthracene-d10	17.64	188	1717167	28.32	ng/ul	0.00
76) Pyrene-d10	19.94	212	1810006	27.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	25.03	264	1779426	29.83	ng/ul	0.01
Target Compounds						Qvalue
6) Phenol	7.29	94	455170	22.56	ng/ul#	76
10) 2-Chlorophenol	7.67	128	294465	21.88	ng/ul#	85
15) N-Nitroso-di-n-propylamine	8.92	70	318302	21.81	ng/ul#	90
33) 4-Chloro-3-methylphenol	12.23	107	537329	26.40	ng/ul	85
44) Dimethylphthalate	14.23	163	763302	14.71	ng/ul	98
47) Acenaphthylene	14.51	152	71173	1.15	ng/ul	98
49) Acenaphthene	14.85	153	1115587	26.54	ng/ul	94
52) 4-Nitrophenol	15.01	109	218569m	24.39	ng/ul	
54) 2,4-Dinitrotoluene	15.15	165	452068	26.52	ng/ul#	70
68) Pentachlorophenol	17.20	266	280403	30.91	ng/ul	91
69) Phenanthrene	17.59	178	573375	8.23	ng/ul	99
71) Anthracene	17.69	178	87261m	1.23	ng/ul	
74) Fluoranthene	19.61	202	939892m	13.17	ng/ul	
77) Pyrene	19.97	202	2871715	35.61	ng/ul	98
80) Benzo(a)anthracene	21.85	228	570893m	7.77	ng/ul	
82) Chrysene	21.92	228	620148	9.28	ng/ul#	96
85) Benzo(b)fluoranthene	24.18	252	575717	7.68	ng/ul#	92
86) Benzo(k)fluoranthene	24.24	252	223561m	3.03	ng/ul	
88) Benzo(a)pyrene	25.11	252	507354m	7.01	ng/ul	
89) Indeno(1,2,3-cd)pyrene	29.15	276	303058	3.56	ng/ul#	85
91) Benzo(g,h,i)perylene	30.37	276	324508	4.60	ng/ul#	84

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM

Quant Time: Aug 11 08:31:20 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)

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

Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081016\
Data File : BG023617.D
Acq On : 11 Aug 2016 7:00
Operator : UM/SJ
Sample : H4384-21MS
Misc :
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 11 08:31:20 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

Instrument :
BNA_G
ClientSampleId :
P002-SS001-1218-01MS

Manual Integrations APPROVED
sohil
8/11/2016 6:14:42 PM