

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
 Data File : BG019235.D
 Acq On : 16 Oct 2015 22:37
 Operator : UM/NP
 Sample : G3996-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK2

Manual Integrations
 APPROVED

MMdadoda
 10/19/2015 6:29:32 PM

Quant Time: Oct 19 08:39:33 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 19 00:27:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27643	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	112305	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	68273	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.44	188	151108	20.00	ng/ul	0.05
78) Chrysene-d12	21.74	240	169182	20.00	ng/ul	0.08
86) Perylene-d12	25.06	264	159960m	20.00	ng/ul	0.20

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1072	2.16	ng/uL	0.00
5) Phenol-d5	7.20	99	35203	14.59	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.33	67	23450	15.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	28164	16.02	ng/ul	0.01
13) 4-Methylphenol-d8	8.74	113	29896	14.63	ng/ul	0.03
19) Nitrobenzene-d5	9.17	128	15157	17.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.90	143	16479	17.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	28329	15.58	ng/ul	0.03
29) 4-Chloroaniline-d4	10.97	131	17339m	7.40	ng/ul	0.02
44) Dimethylphthalate-d6	14.10	166	91358m	15.30	ng/ul	0.05
47) Acenaphthylene-d8	14.36	160	101750	15.76	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.65	176	191259	37.48	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	140682	19.71	ng/ul	0.06
79) Pyrene-d10	19.83	212	160072	20.86	ng/ul	0.07
90) Benzo(a)pyrene-d12	24.82	264	123408m	15.27	ng/ul	0.19

Target Compounds

					Qvalue
14) Acetophenone	8.83	105	9194	2.66	ng/ul# 51
24) 2,4-Dimethylphenol	10.04	107	248682m	105.20	ng/ul
28) Naphthalene	10.87	128	154609	26.34	ng/ul 97
34) 2-Methylnaphthalene	12.48	142	177623	38.17	ng/ul 100
35) 1-Methylnaphthalene	12.70	142	180541	39.62	ng/ul# 99
41) 1,1'-Biphenyl	13.49	154	95243	17.87	ng/ul 94
50) Acenaphthene	14.73	153	80880	16.97	ng/ul# 90
54) Dibenzofuran	15.07	168	466264	69.21	ng/ul# 81
59) Fluorene	15.73	166	407891	70.75	ng/ul# 97
70) Phenanthrene	17.49	178	1699175	201.39	ng/ul# 85
72) Anthracene	17.58	178	329795	38.47	ng/ul# 84
77) Fluoranthene	19.50	202	814081	77.08	ng/ul 95
80) Pyrene	19.87	202	917269	91.35	ng/ul# 93
83) Benzo(a)anthracene	21.71	228	229048	23.97	ng/ul# 76
85) Chrysene	21.78	228	265622	29.39	ng/ul# 78
91) Benzo(a)pyrene	24.74	252	72294	8.29	ng/ul# 64

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

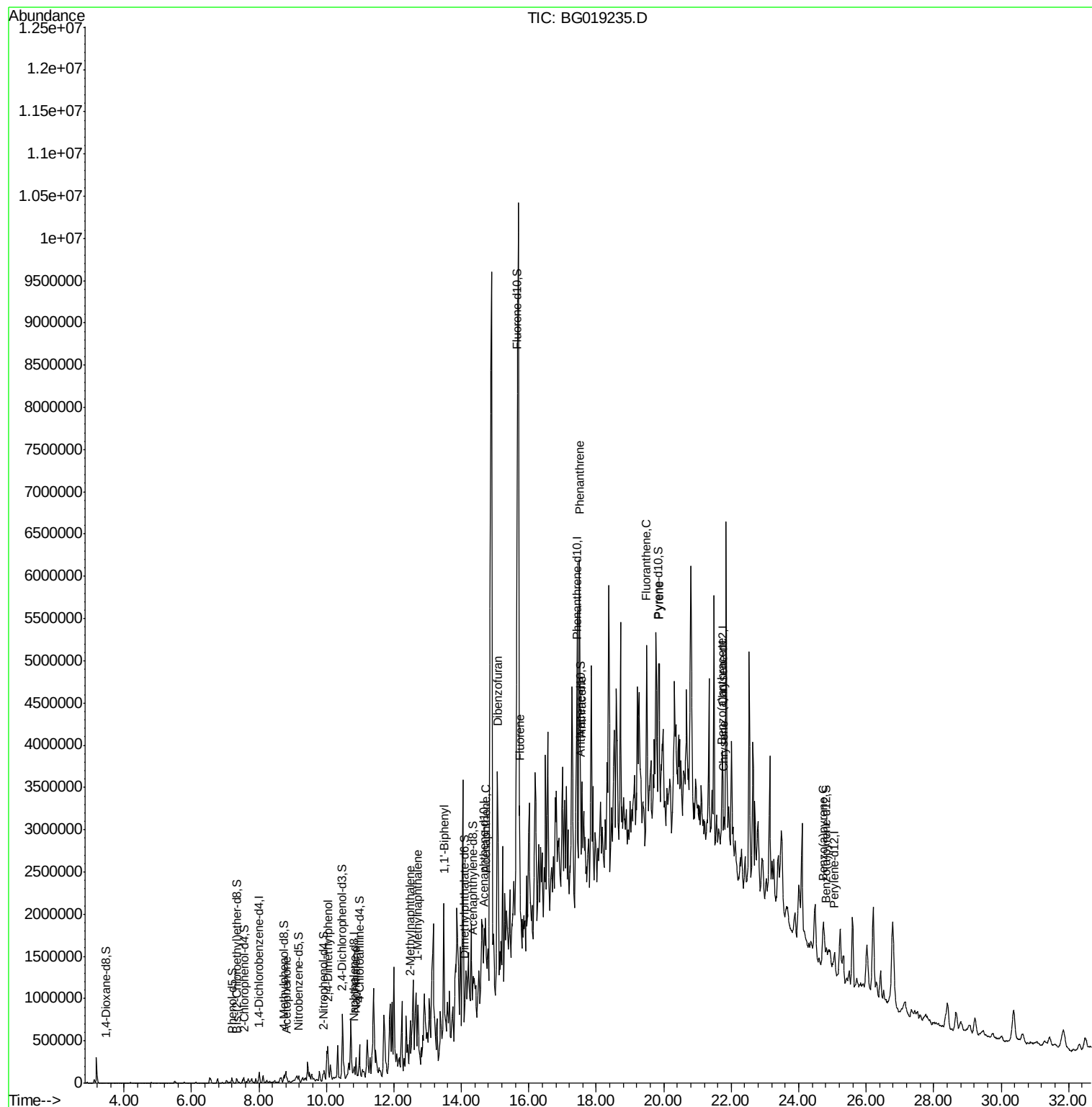
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
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Sample : G3996-15
Misc :
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Manual Integrations
APPROVED

MMdadoda
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Quant Time: Oct 19 08:39:33 2015
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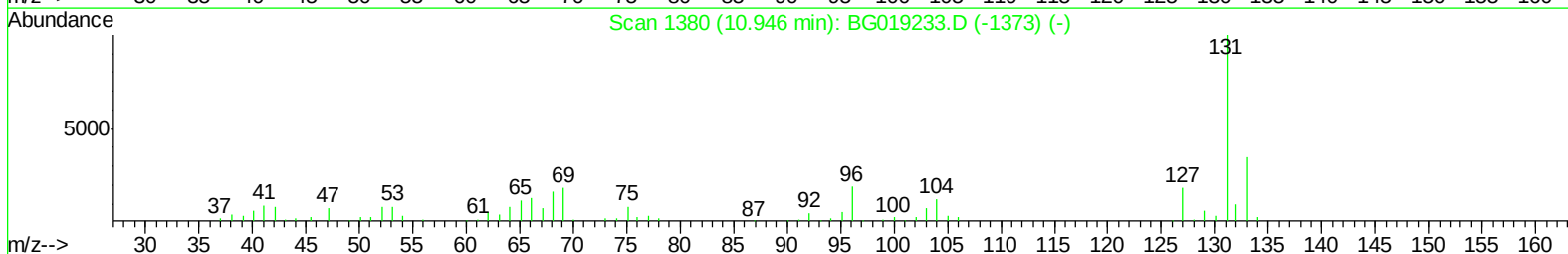
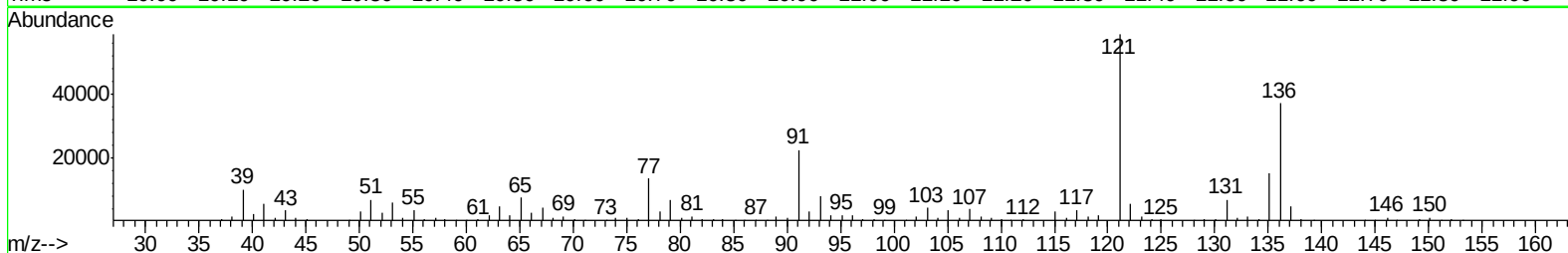
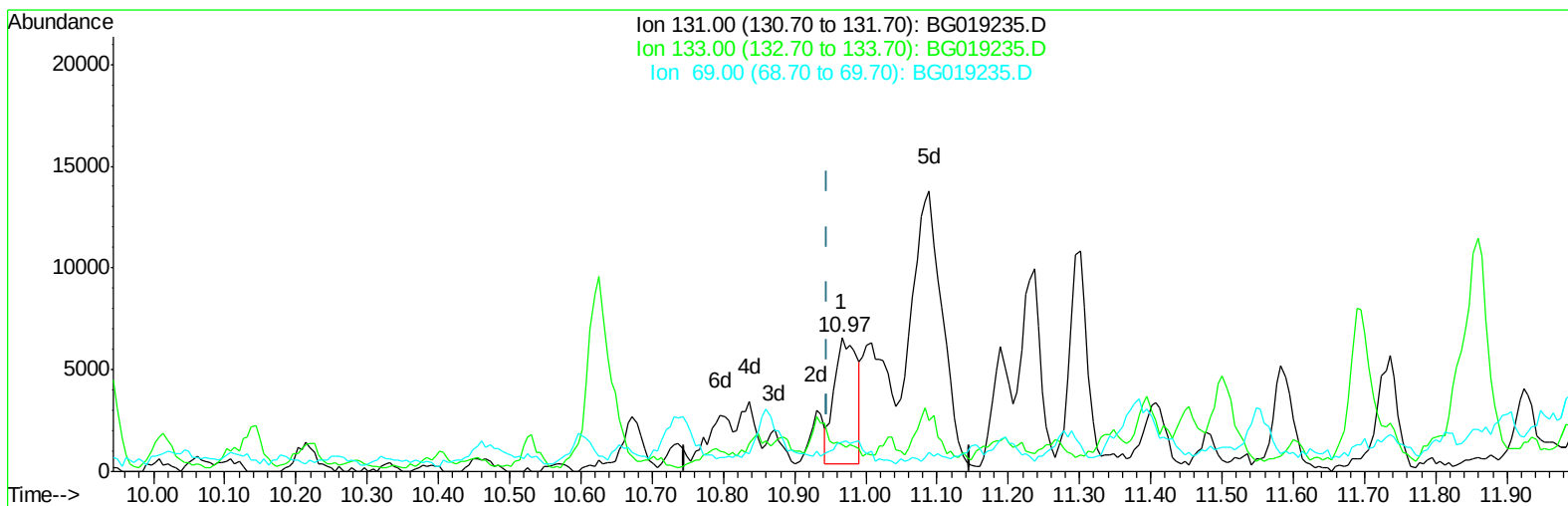
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Quant Time: Oct 19 07:08:28 2015
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Quant Title : SVOA CALIBRATION
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TIC: BG019235.D

(29) 4-Chloroaniline-d4 (S)

10.966min (+0.020) 5.80ng/ul m

response 13580

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	19.98#
69.00	17.00	22.04#
0.00	0.00	0.00

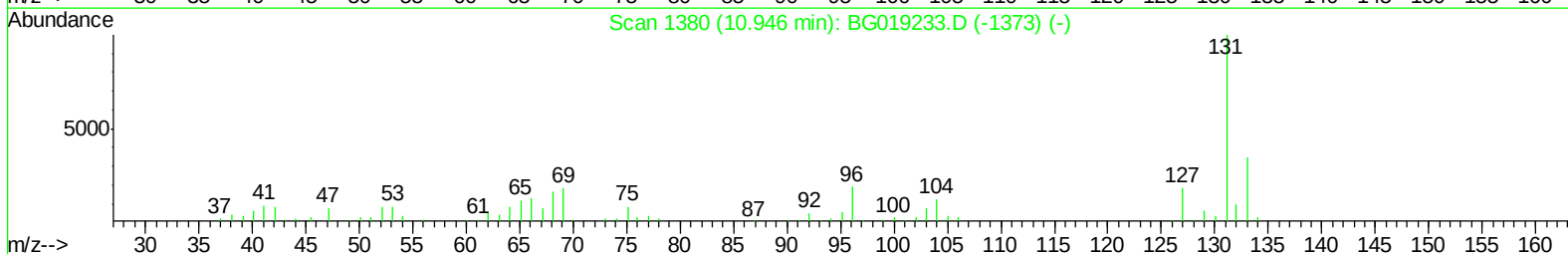
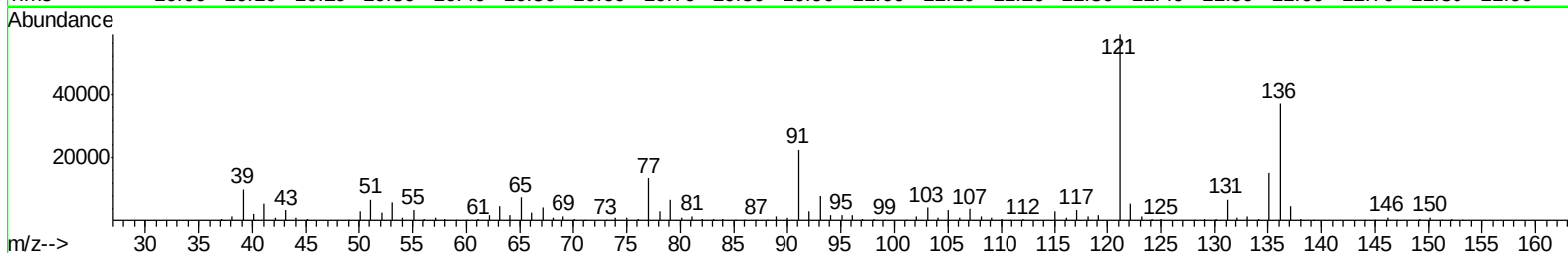
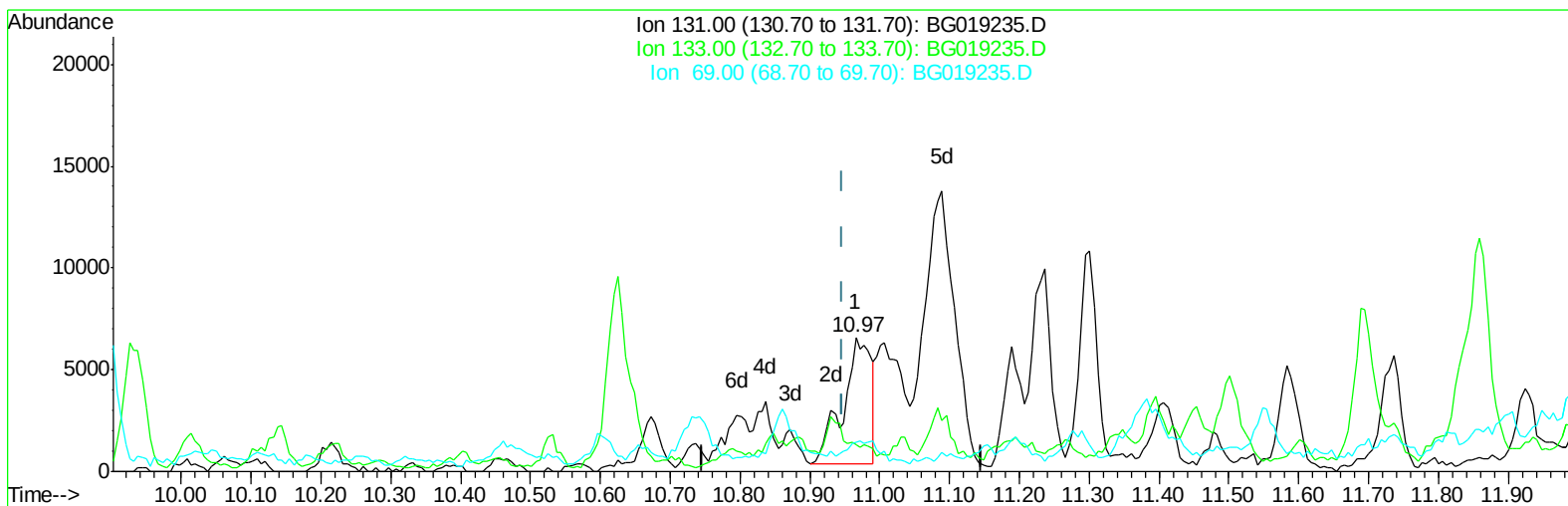
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Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

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Manual Integrations
APPROVED

MMdadoda
10/19/2015 6:29:32 PM



TIC: BG019235.D

(29) 4-Chloroaniline-d4 (S)

10.966min (+0.020) 7.40ng/ul m

response 17339

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	19.98#
69.00	17.00	22.04#
0.00	0.00	0.00

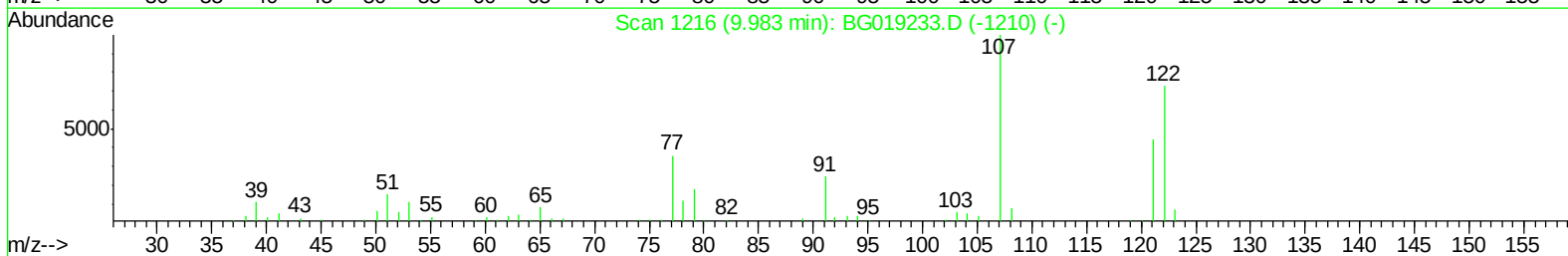
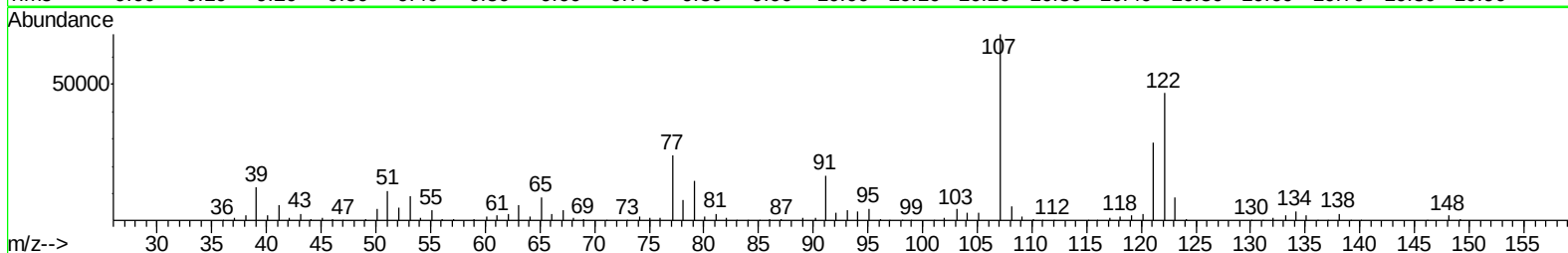
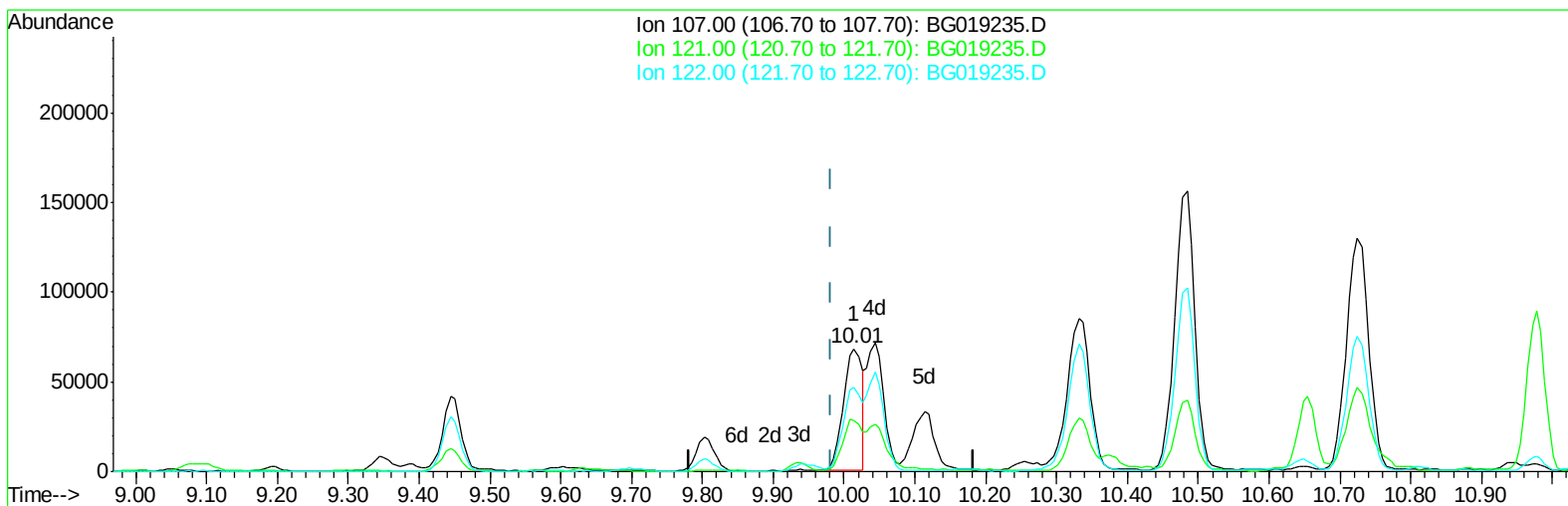
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Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
APPROVED

MMdadoda
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Quant Time: Oct 19 00:29:54 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
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QLast Update : Mon Oct 19 00:27:28 2015
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TIC: BG019235.D

(24) 2,4-Dimethylphenol

10.014min (+0.031) 53.16ng/ul

response 125678

Ion	Exp%	Act%
107.00	100	100
121.00	46.50	41.89
122.00	84.50	68.32
0.00	0.00	0.00

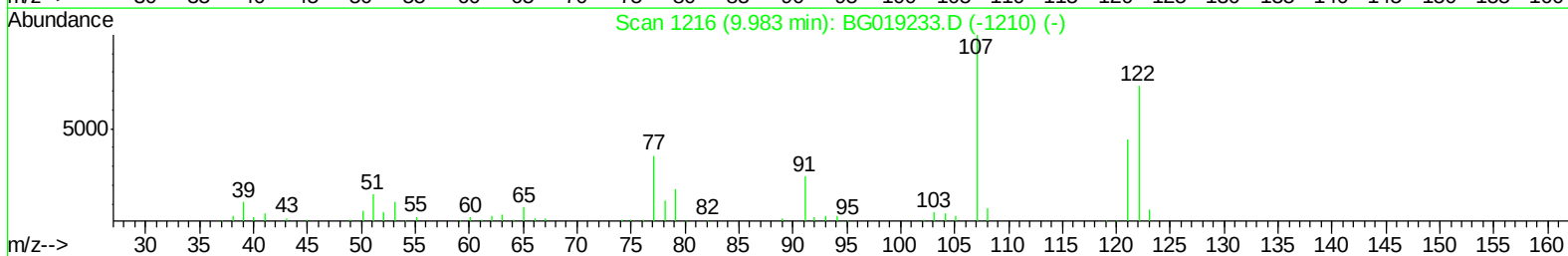
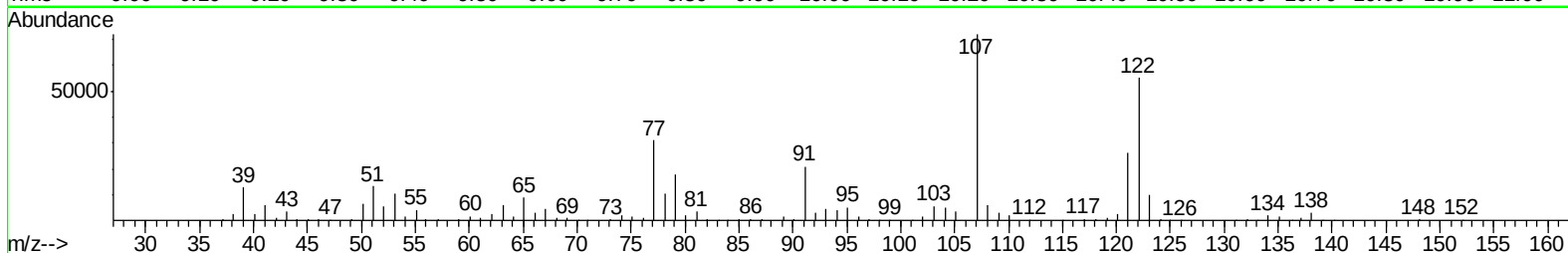
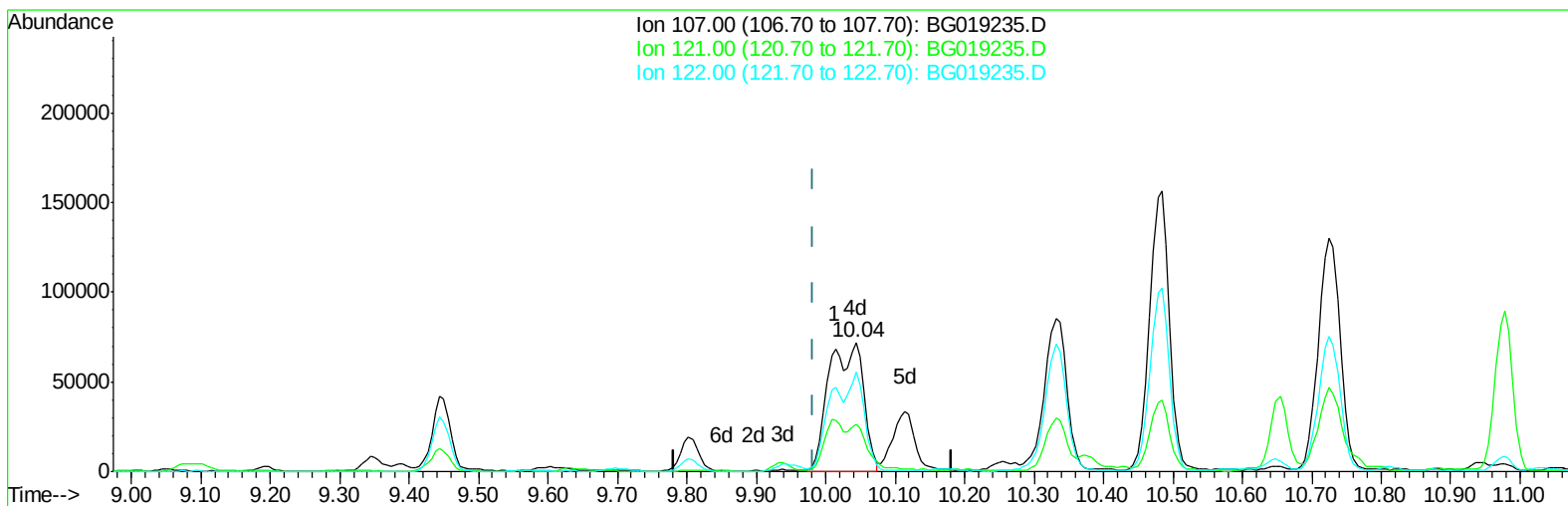
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Manual Integrations
APPROVED

MMdadoda
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Quant Time: Oct 19 00:29:54 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration



TIC: BG019235.D

(24) 2,4-Dimethylphenol

10.043min (+0.061) 105.20ng/ul m

response 248682

Ion	Exp%	Act%
107.00	100	100
121.00	46.50	36.45#
122.00	84.50	76.52
0.00	0.00	0.00

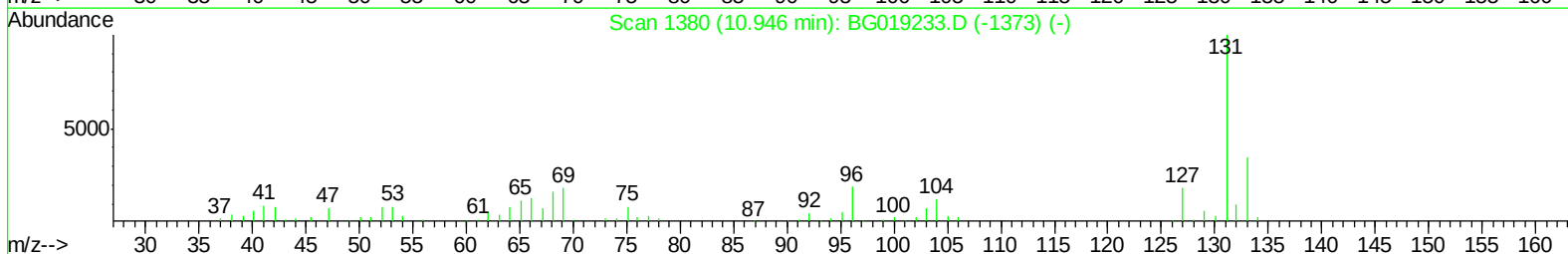
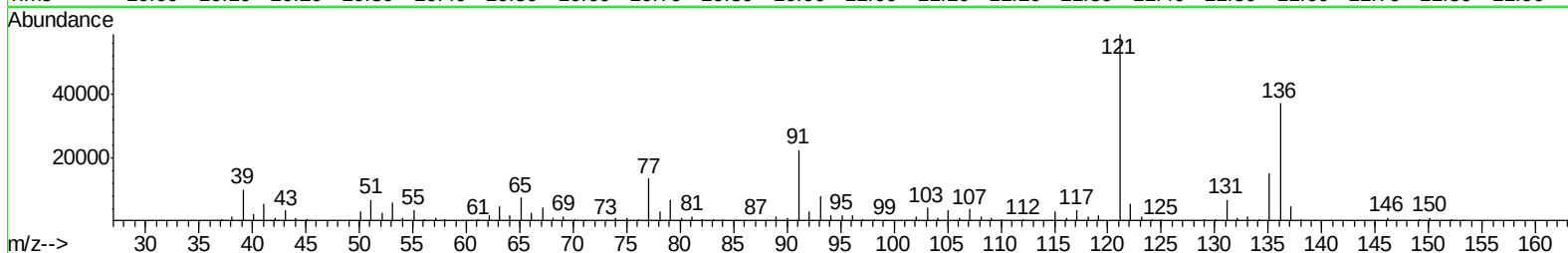
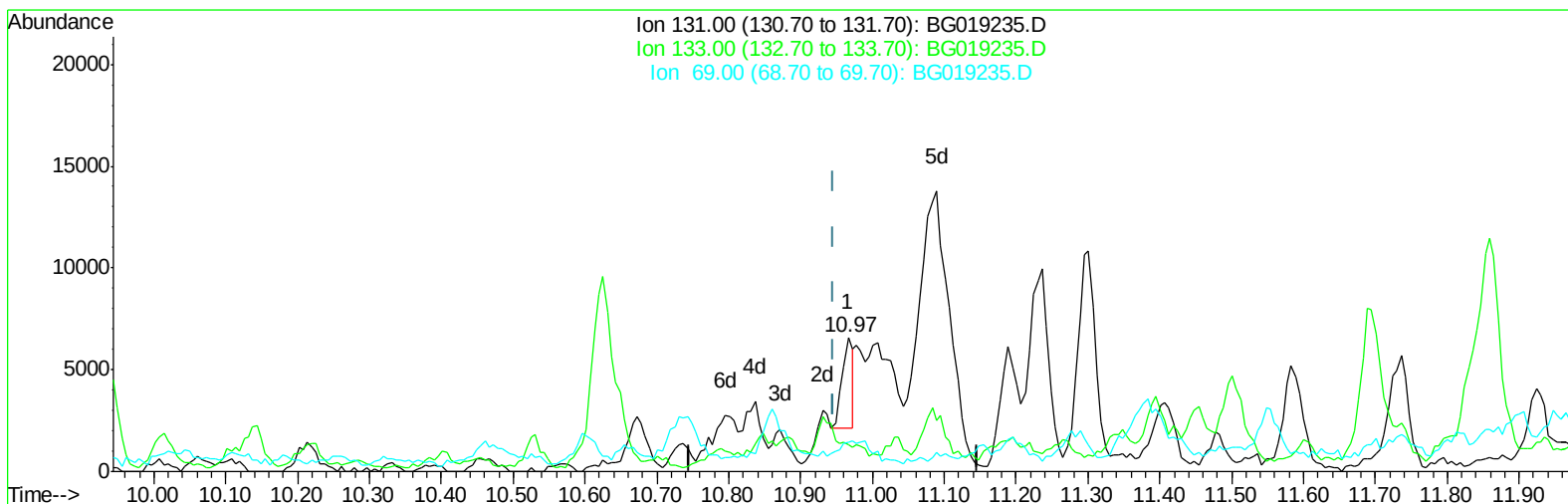
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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
E5LK2

Manual Integrations
APPROVED

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TIC: BG019235.D

(29) 4-Chloroaniline-d4 (S)
10.966min (+0.020) 2.02ng/ul
response 4725

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	19.98#
69.00	17.00	22.04#
0.00	0.00	0.00

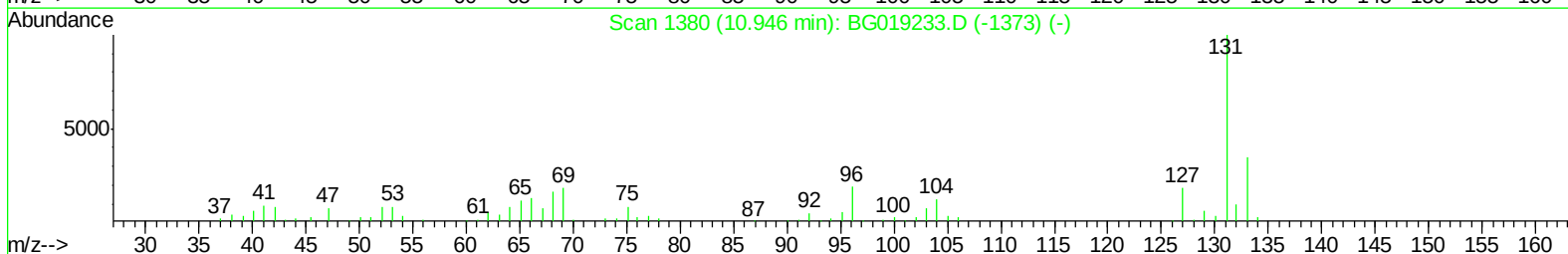
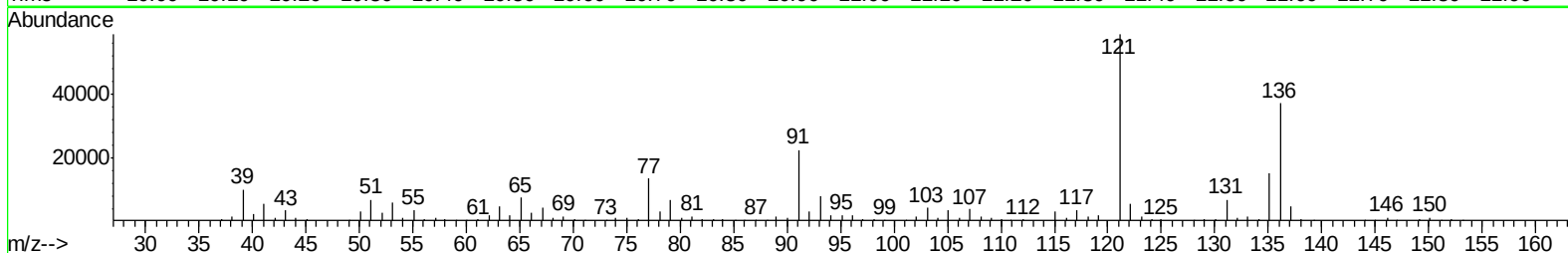
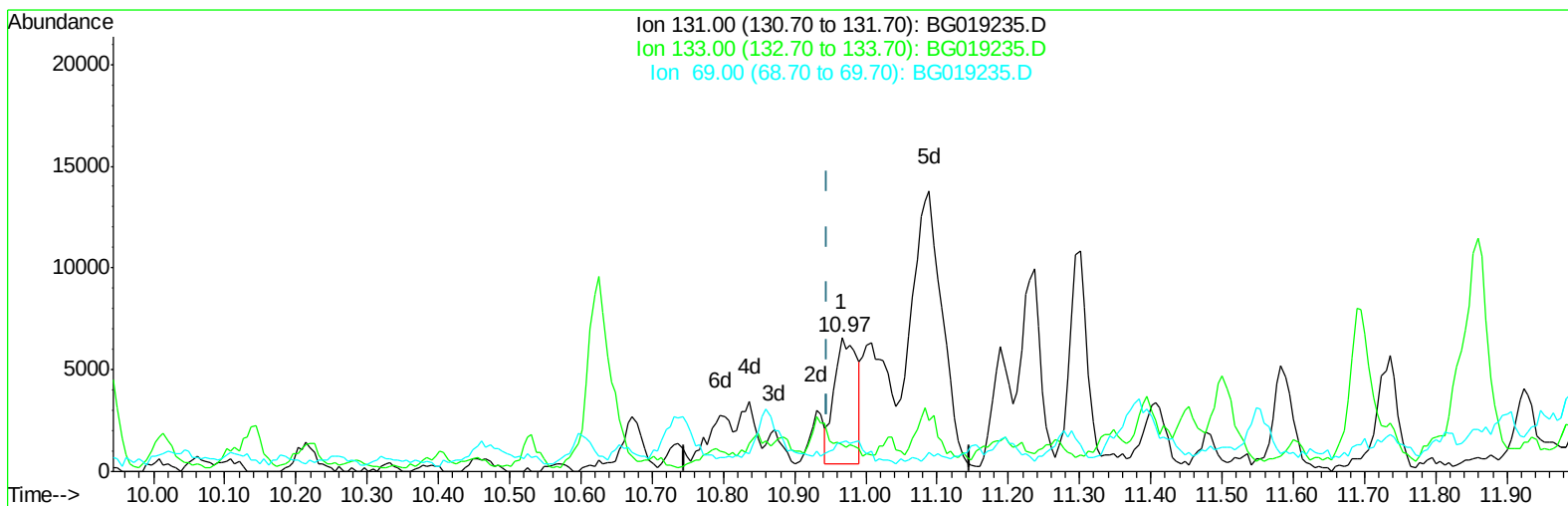
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Manual Integrations
APPROVED

MMdadoda
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Quant Time: Oct 19 00:29:54 2015
Quant Method : Z:\HPCHEM1\BNA G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration



TIC: BG019235.D

(29) 4-Chloroaniline-d4 (S)

10.966min (+0.020) 5.80ng/ul m

response 13580

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	19.98#
69.00	17.00	22.04#
0.00	0.00	0.00

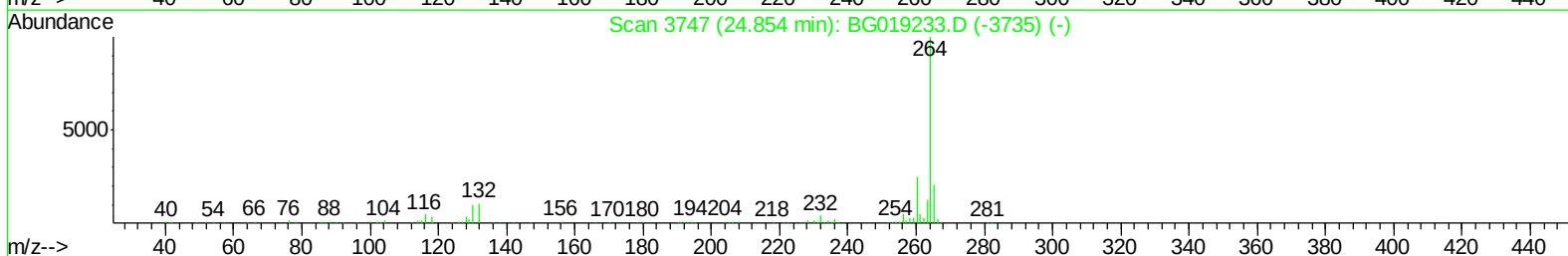
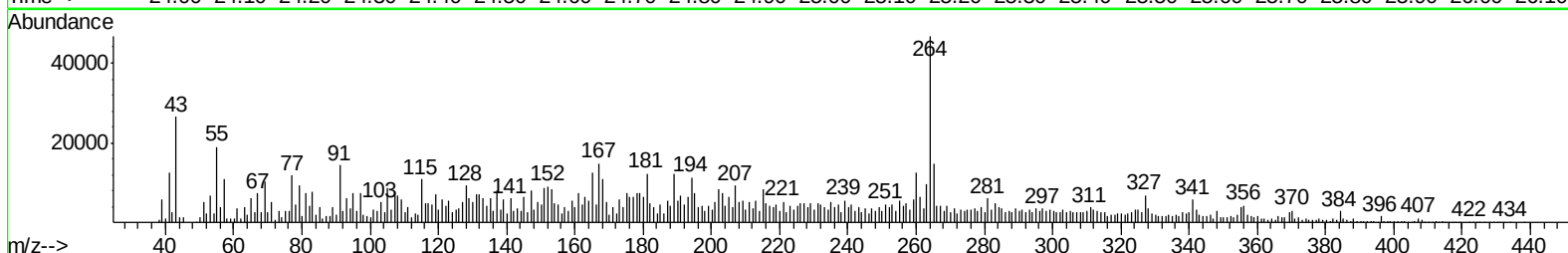
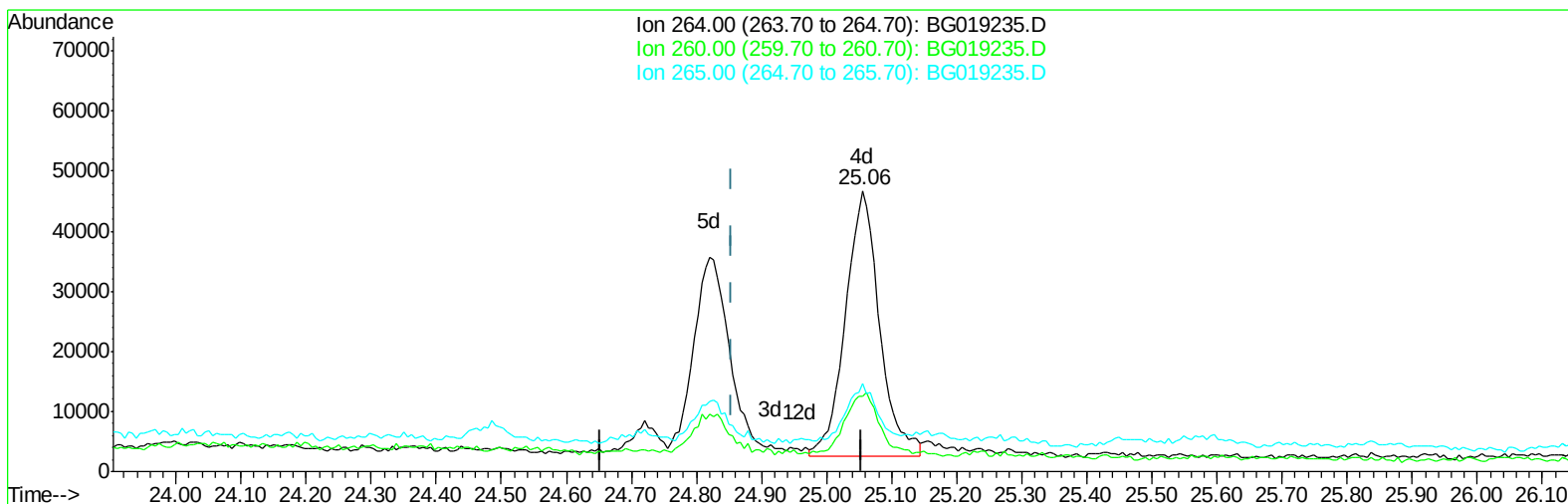
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Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
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Manual Integrations
APPROVED

MMdadoda
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Quant Time: Oct 19 02:46:02 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
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TIC: BG019235.D

(86) Perylene-d12 (I)

25.055min (+0.202) 20.00ng/ul m

response 159960

Ion	Exp%	Act%
264.00	100	100
260.00	24.00	26.89
265.00	21.10	31.61#
0.00	0.00	0.00

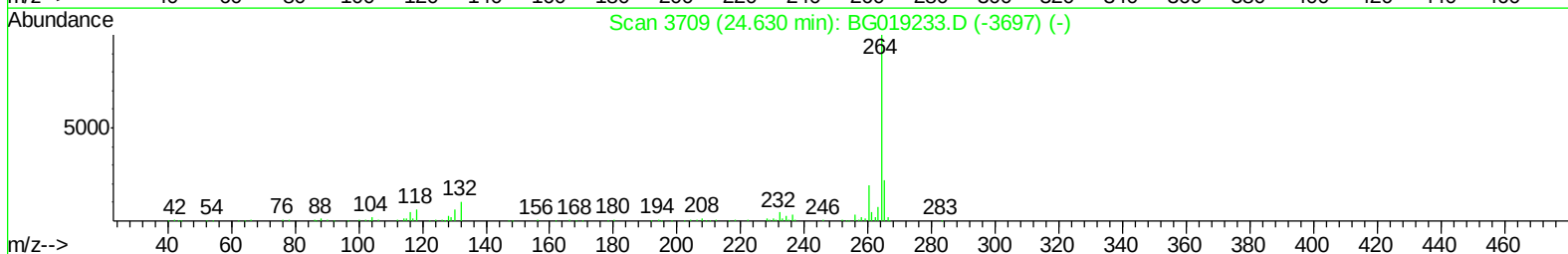
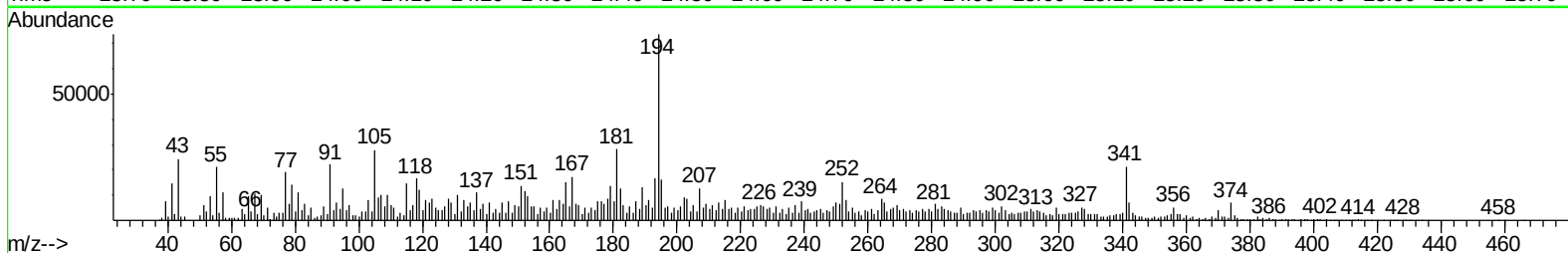
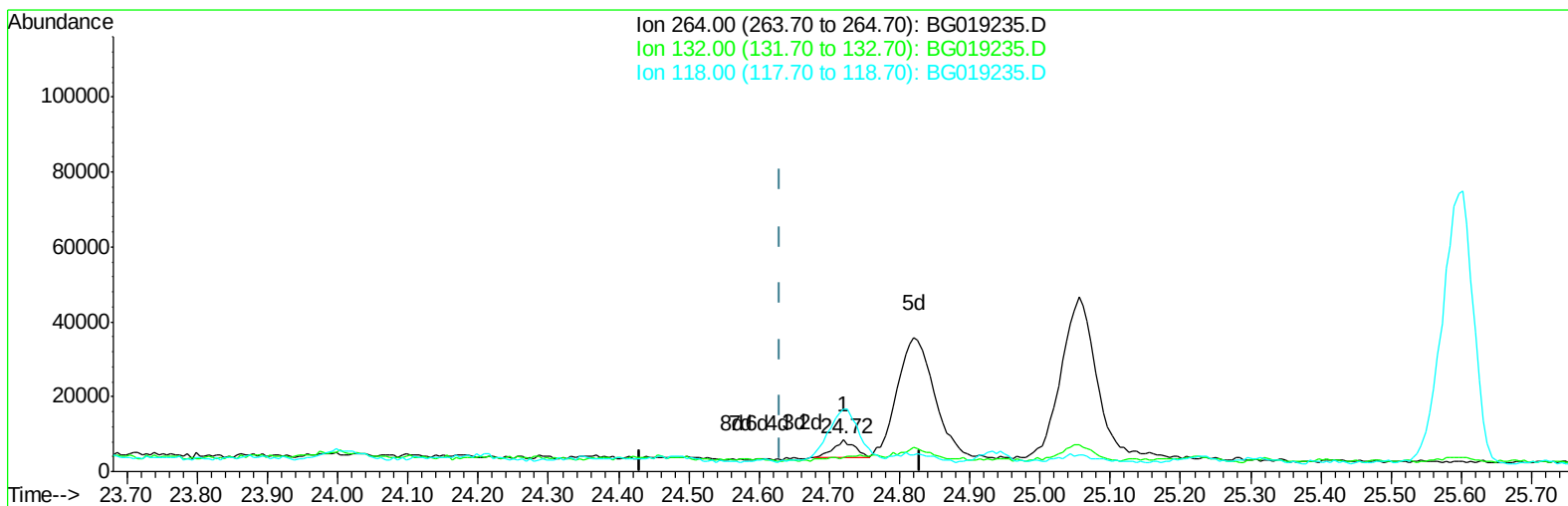
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Instrument :
BNA_G
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Manual Integrations
APPROVED

MMdadoda
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Quant Time: Oct 19 07:02:49 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
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TIC: BG019235.D

(90) Benzo(a)pyrene-d12 (S)

24.720min (+0.090) 1.25ng/ul

response 10112

Ion	Exp%	Act%
264.00	100	100
132.00	15.40	42.47#
118.00	9.00	194.00#
0.00	0.00	0.00

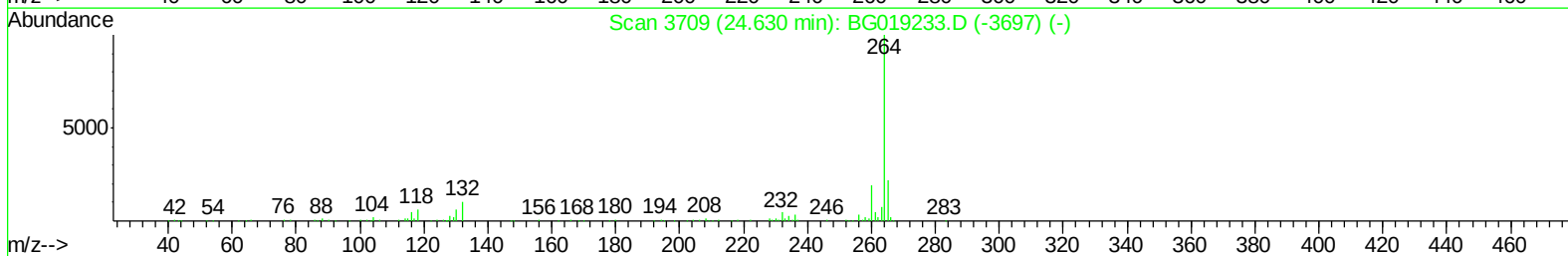
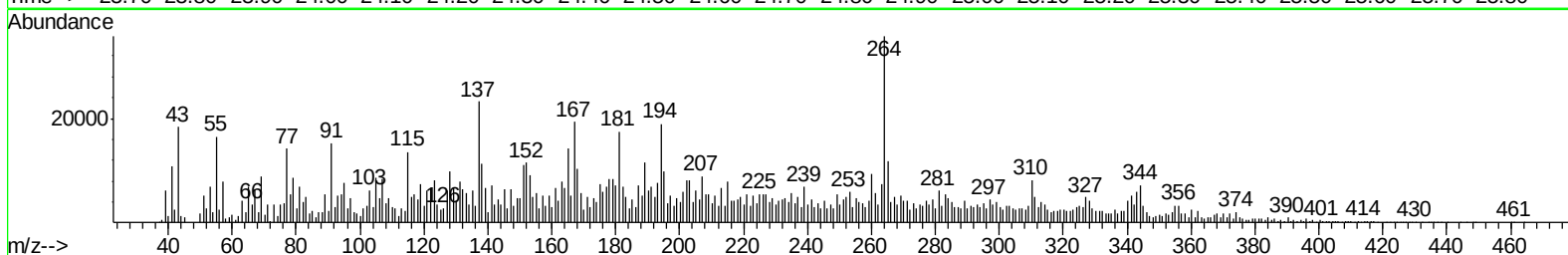
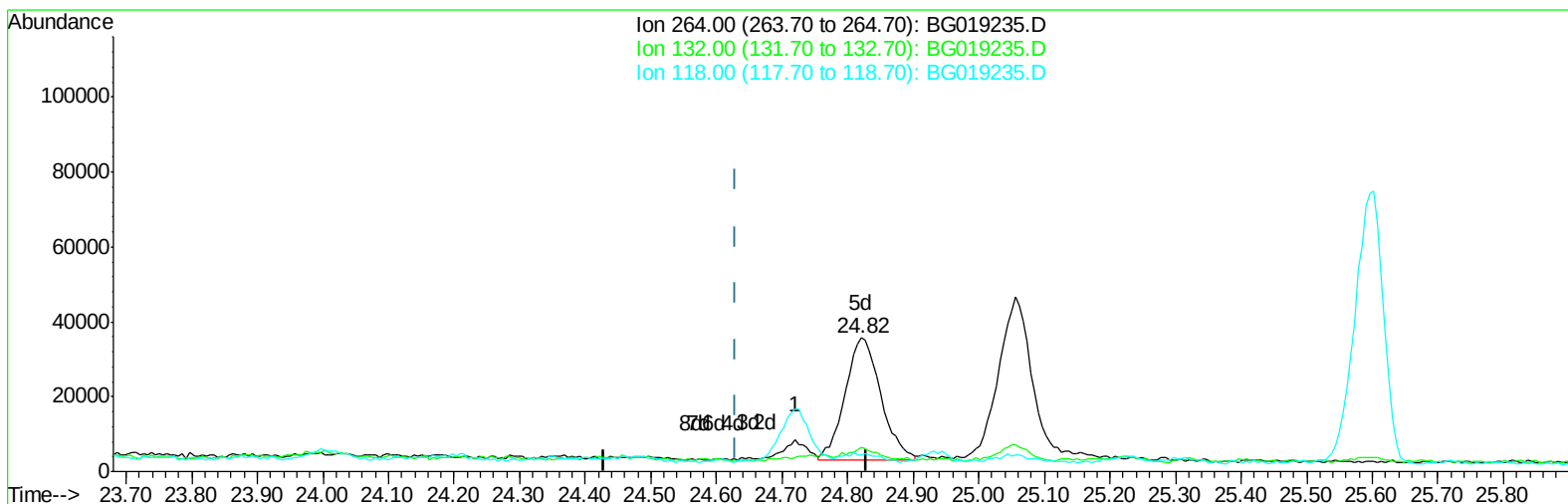
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TIC: BG019235.D

(90) Benzo(a)pyrene-d12 (S)

24.820min (+0.190) 15.27ng/ul m

response 123408

Ion	Exp%	Act%
264.00	100	100
132.00	15.40	17.90
118.00	9.00	12.61#
0.00	0.00	0.00

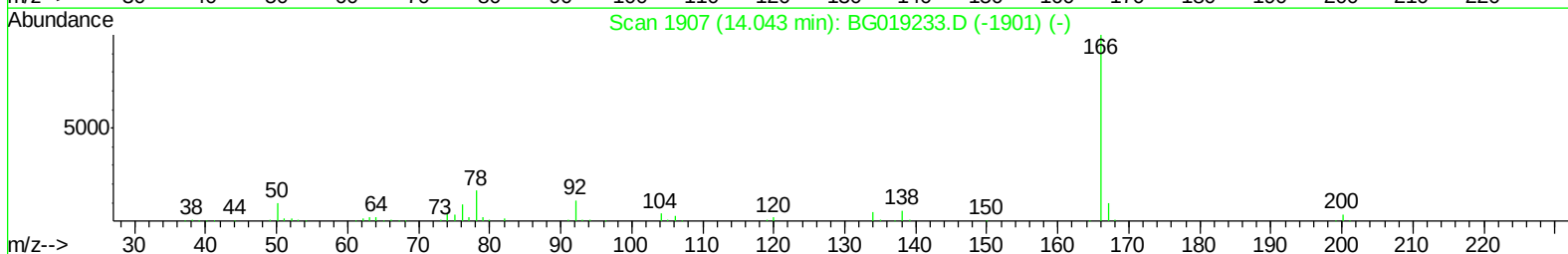
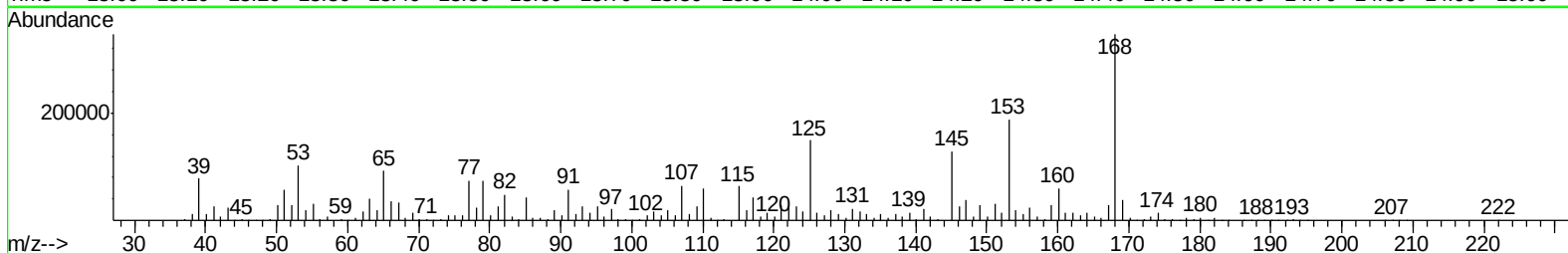
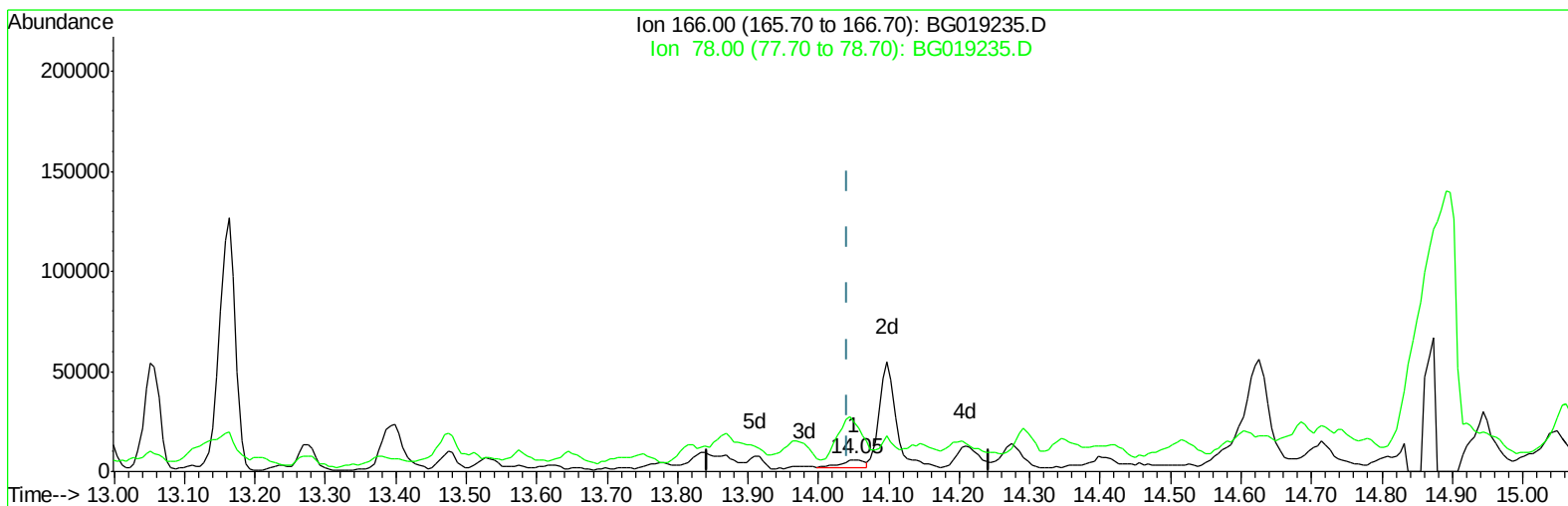
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(44) Dimethylphthalate-d6 (S)

14.051min (+0.008) 1.38ng/ul

response 8246

Ion	Exp%	Act%
166.00	100	100
78.00	16.00	418.07#
0.00	0.00	0.00
0.00	0.00	0.00

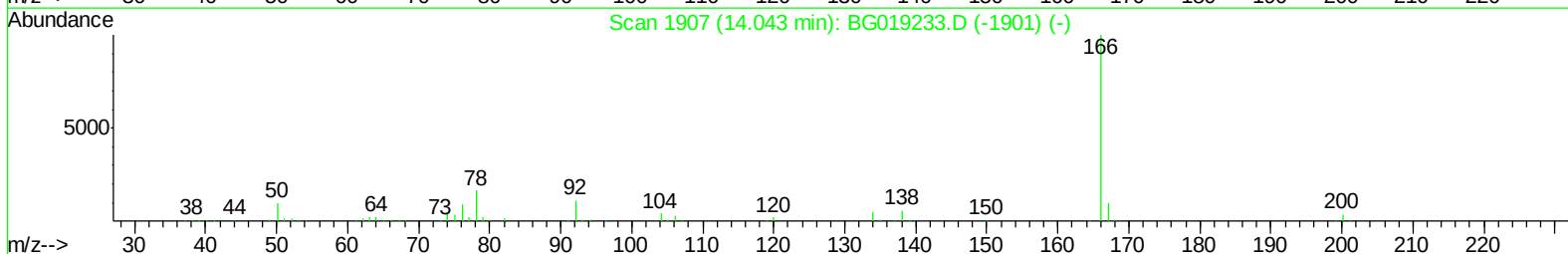
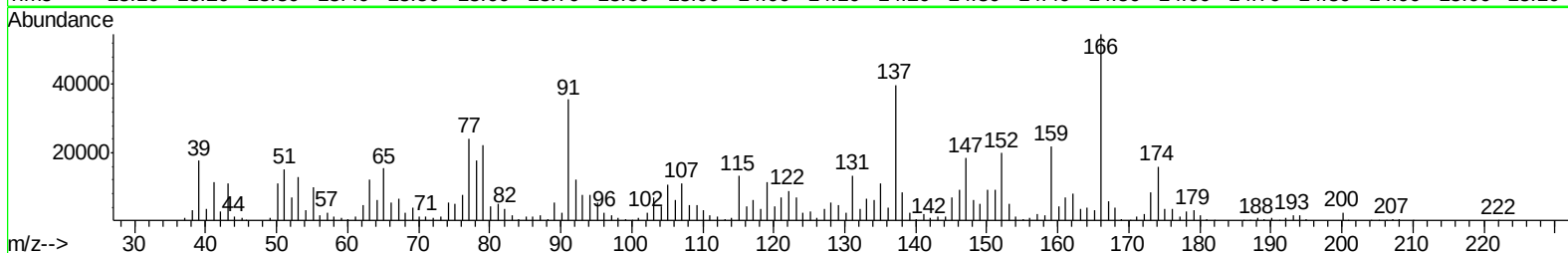
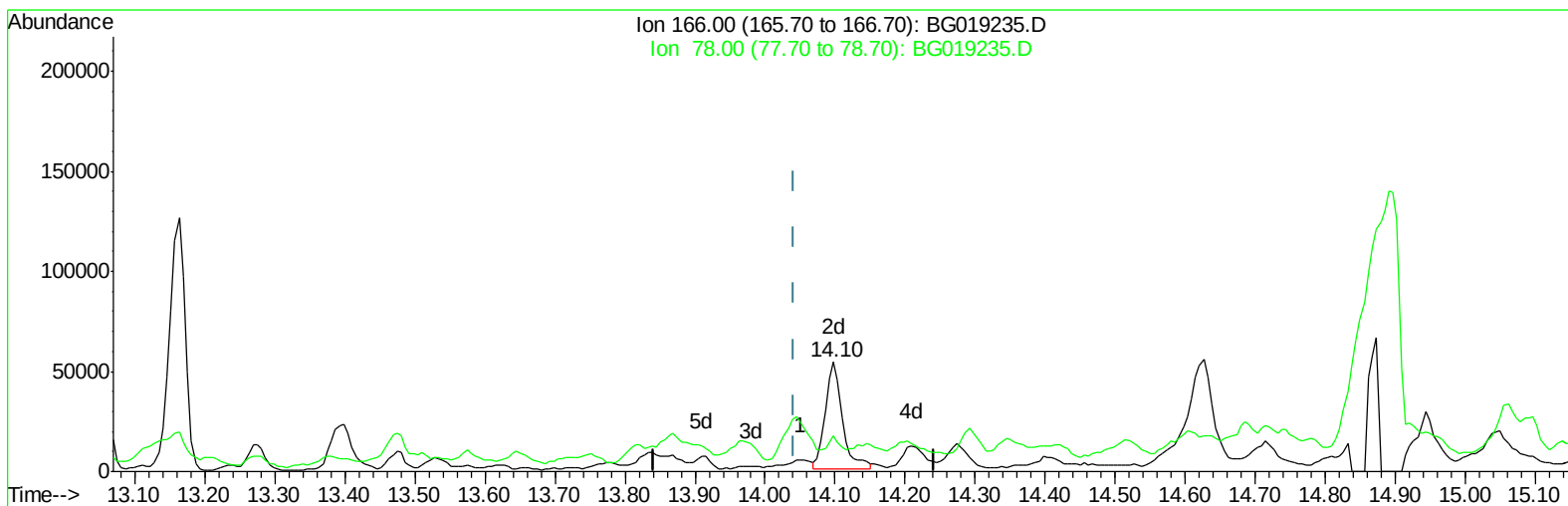
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(44) Dimethylphthalate-d6 (S)

14.098min (+0.055) 15.30ng/ul m

response 91358

Ion	Exp%	Act%
166.00	100	100
78.00	16.00	32.10#
0.00	0.00	0.00
0.00	0.00	0.00

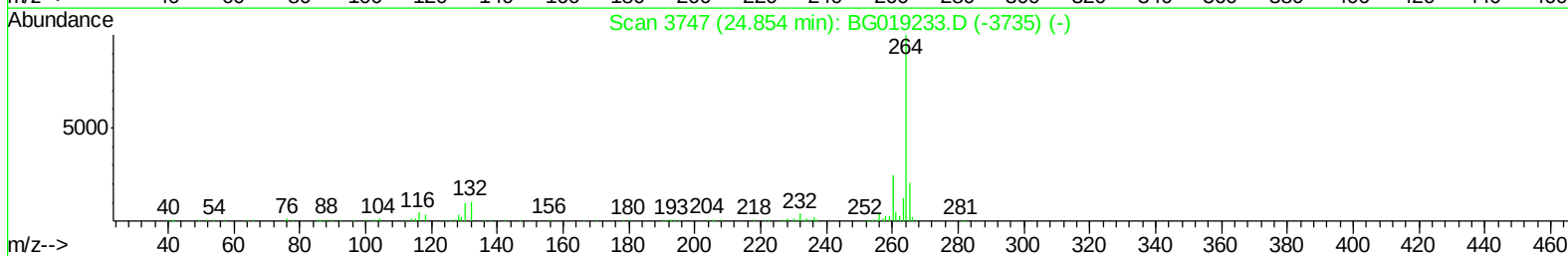
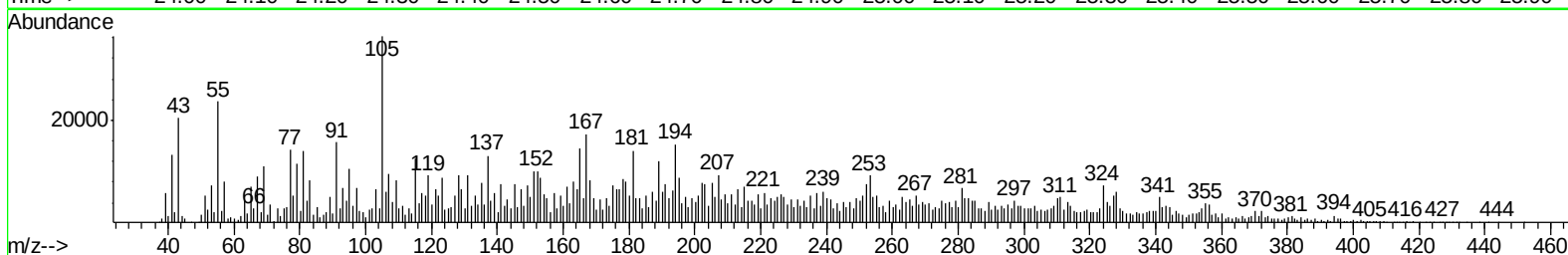
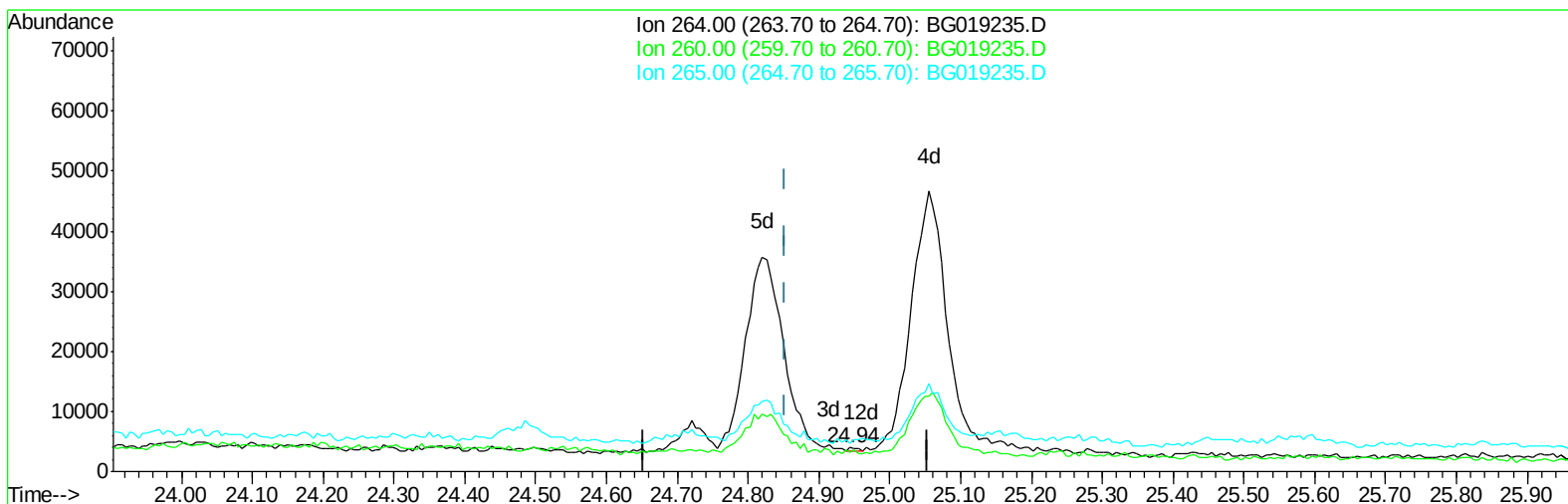
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Manual Integrations
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Quant Time: Oct 19 02:46:02 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration



TIC: BG019235.D

(86) Perylene-d12 (I)

24.944min (+0.090) 20.00ng/ul

response 509

Ion	Exp%	Act%
264.00	100	100
260.00	24.00	80.16#
265.00	21.10	116.09#
0.00	0.00	0.00

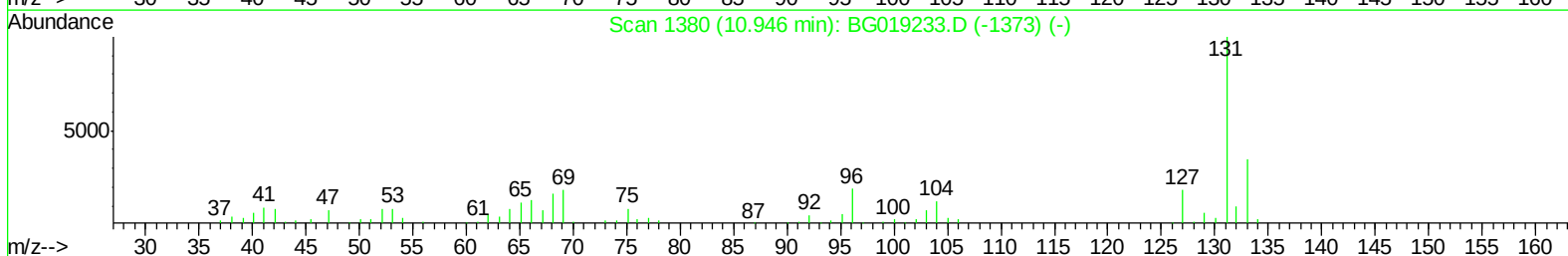
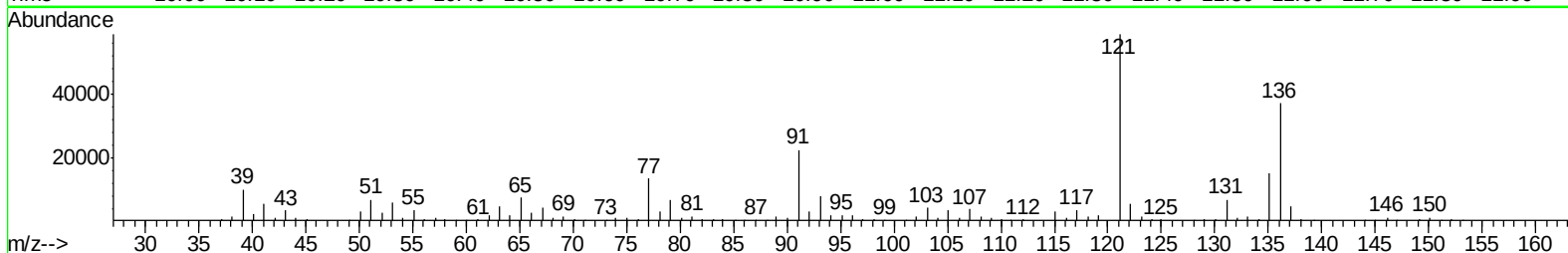
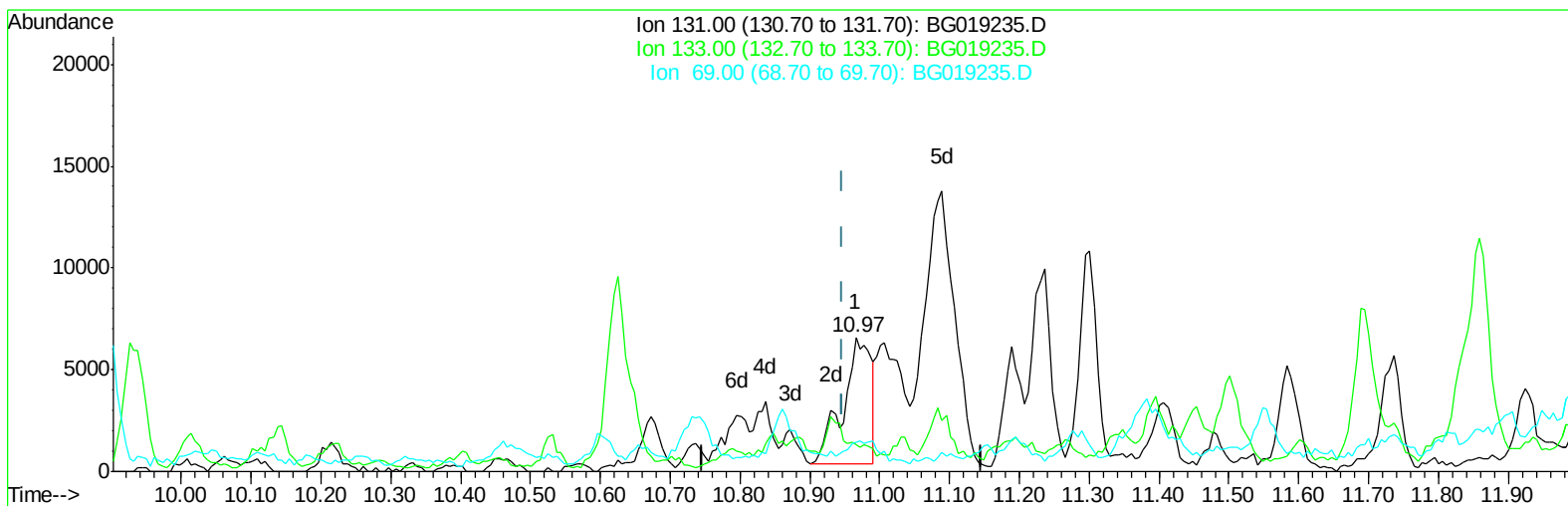
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Quant Time: Oct 19 08:39:33 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration

Manual Integrations
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TIC: BG019235.D

(29) 4-Chloroaniline-d4 (S)

10.966min (+0.020) 7.40ng/ul m

response 17339

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	19.98#
69.00	17.00	22.04#
0.00	0.00	0.00

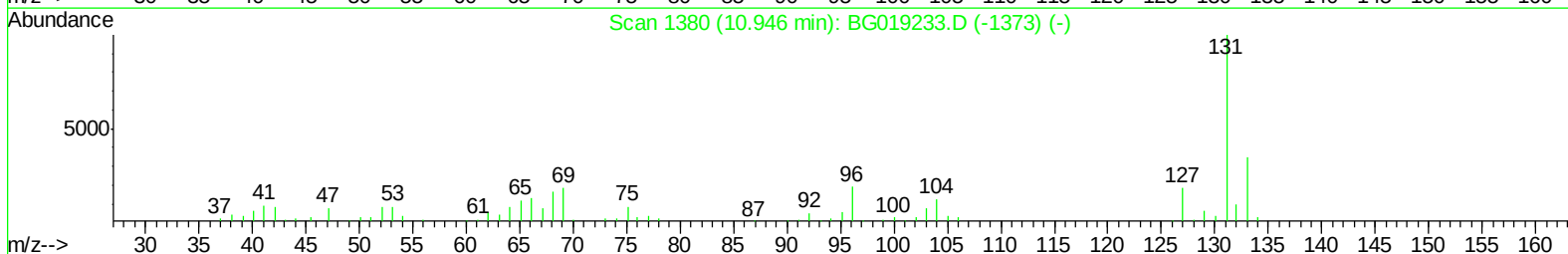
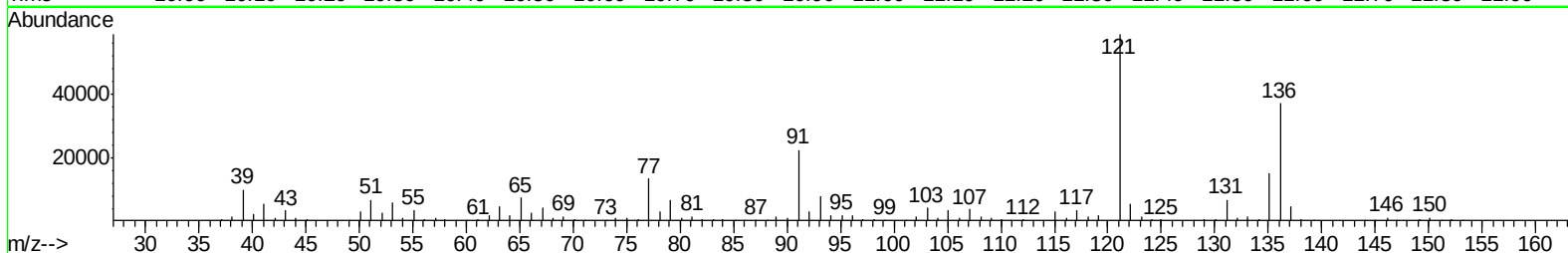
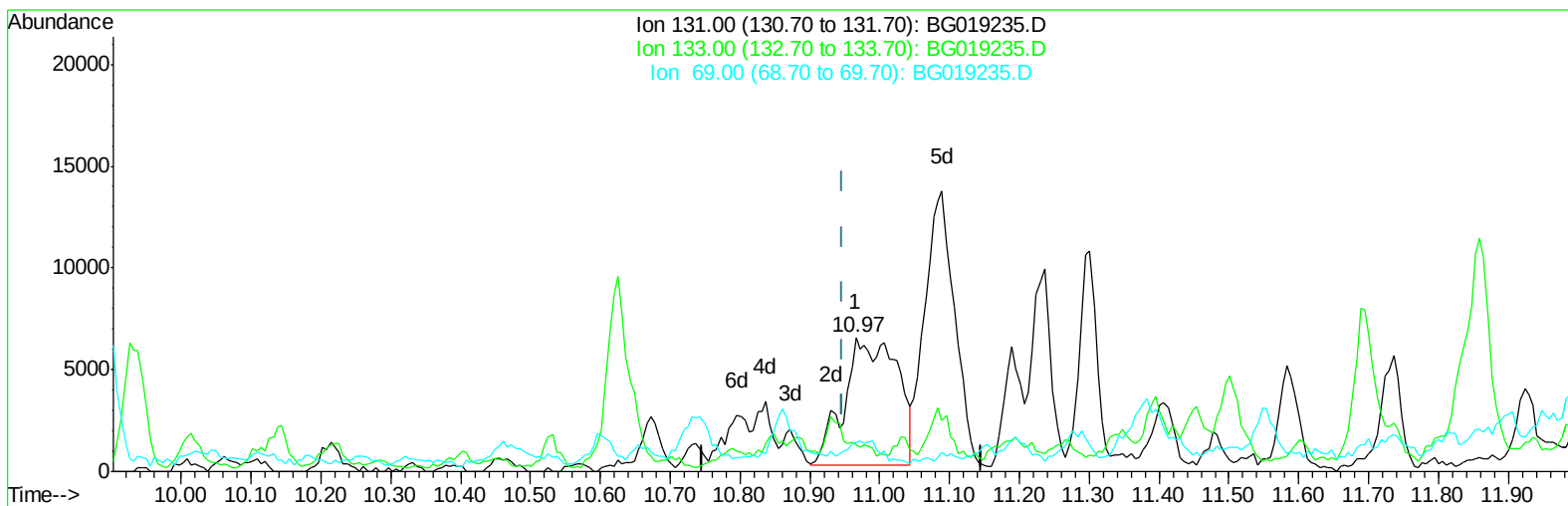
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Manual Integrations
APPROVED

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Quant Time: Oct 19 08:39:33 2015
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG101515.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration



TIC: BG019235.D

(29) 4-Chloroaniline-d4 (S)
10.966min (+0.020) 13.52ng/ul m
response 31668

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	19.98#
69.00	17.00	22.04#
0.00	0.00	0.00

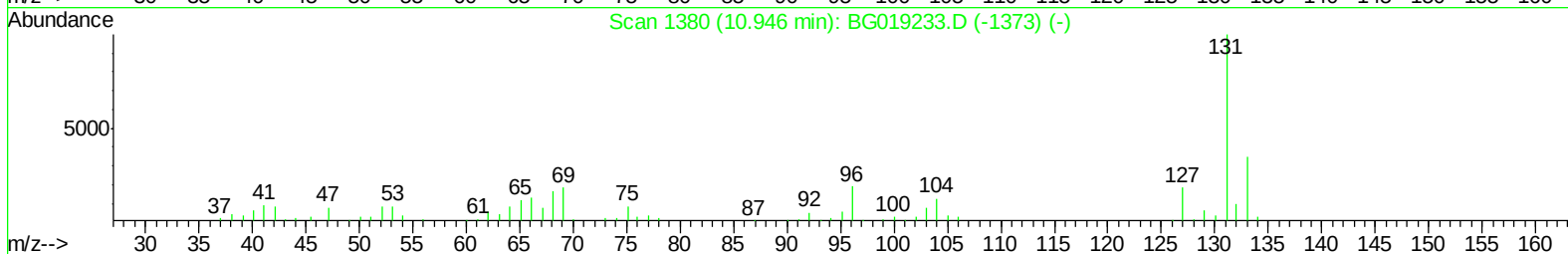
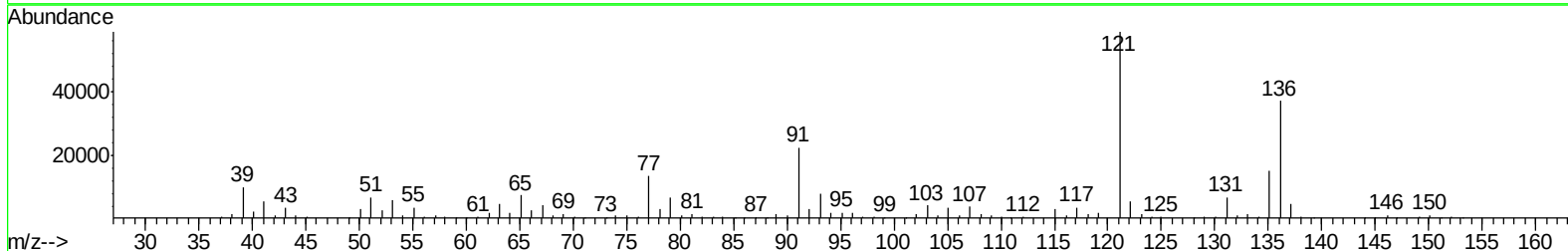
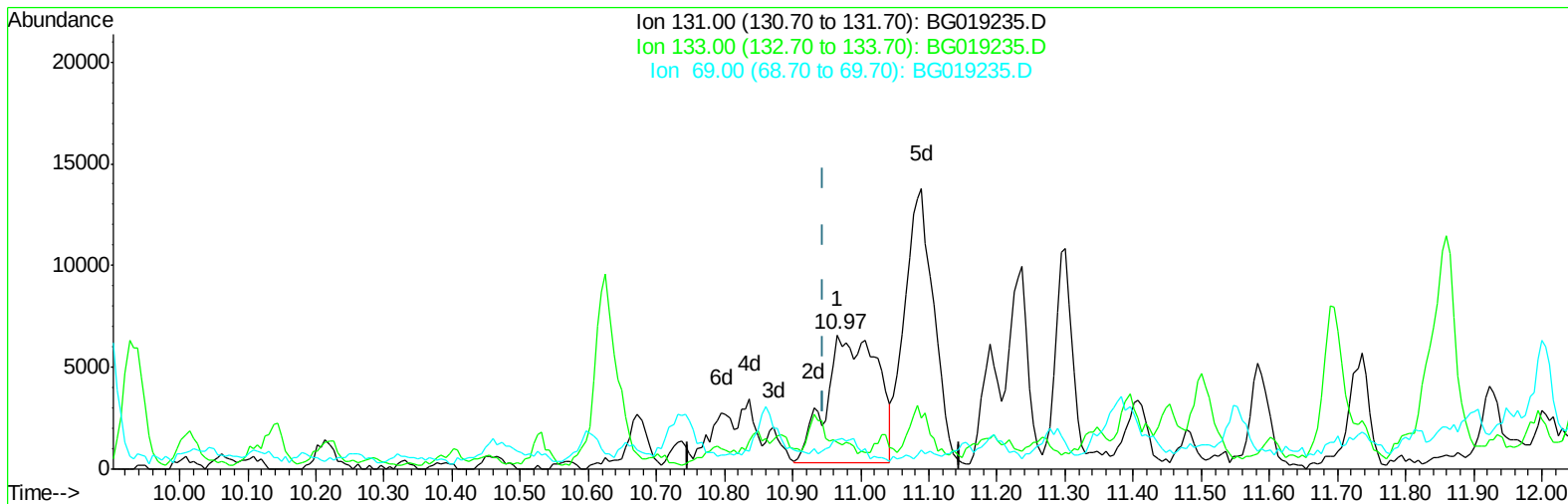
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Quant Time: Oct 19 08:39:33 2015
Quant Title :
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration

Manual Integrations
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TIC: BG019235.D

(29) 4-Chloroaniline-d4 (S)
10.966min (+0.020) 14.00ng/ul m
response 32789

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	19.98#
69.00	17.00	22.04#
0.00	0.00	0.00

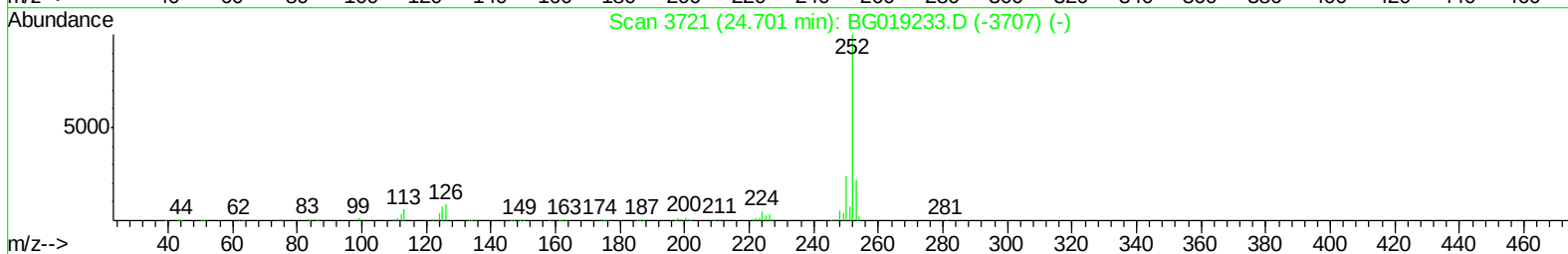
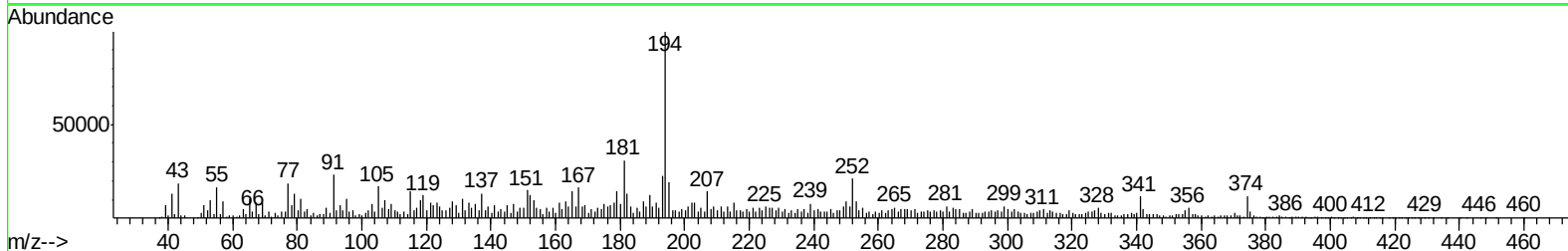
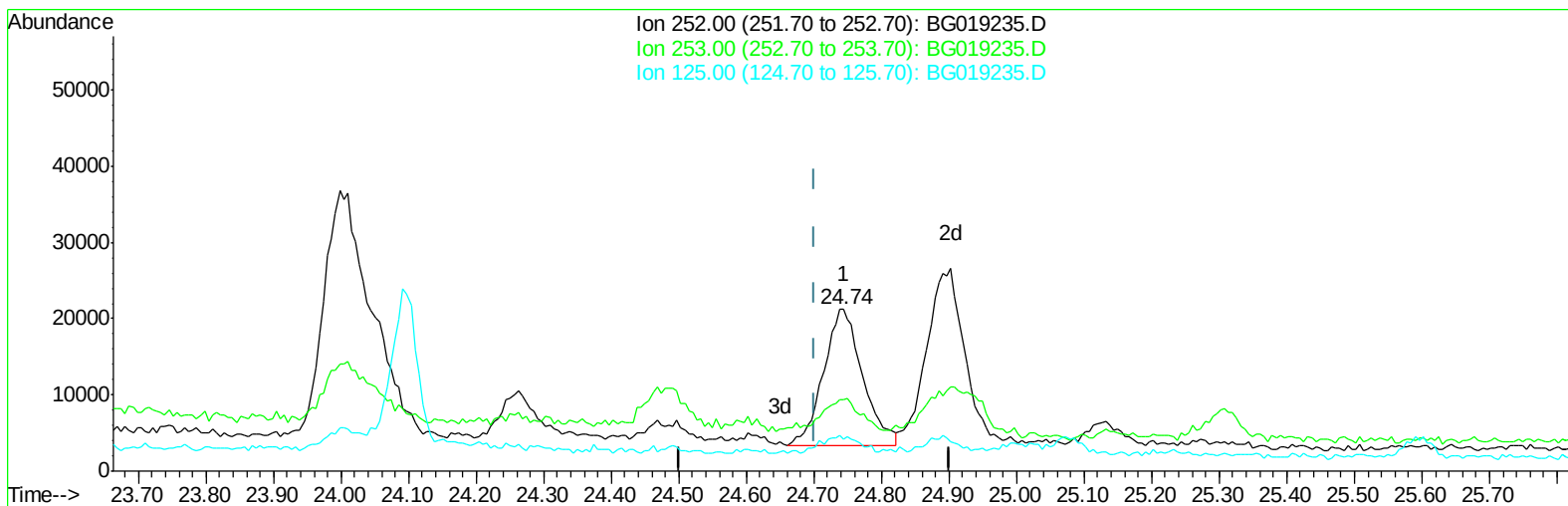
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Quant Time: Oct 19 08:39:33 2015
Quant Title :
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration

Manual Integrations
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TIC: BG019235.D

(91) Benzo(a)pyrene (C)

24.744min (+0.043) 8.29ng/ul

response 72294

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	43.92#
125.00	11.80	19.65#
0.00	0.00	0.00

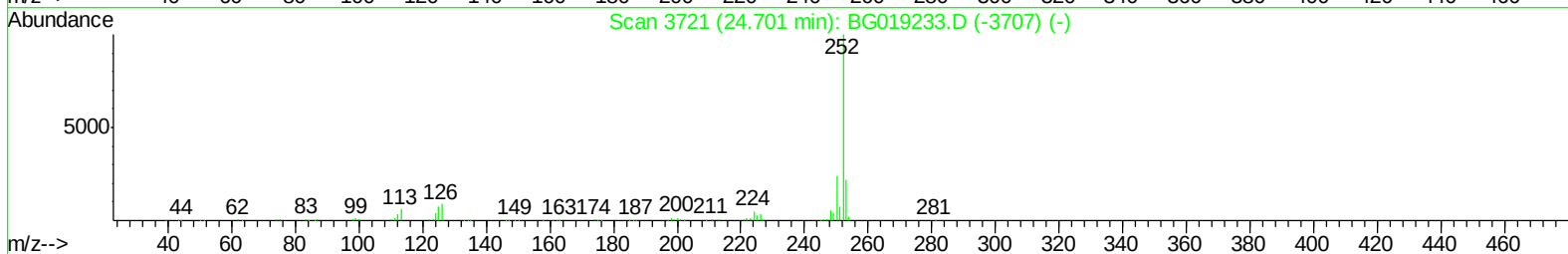
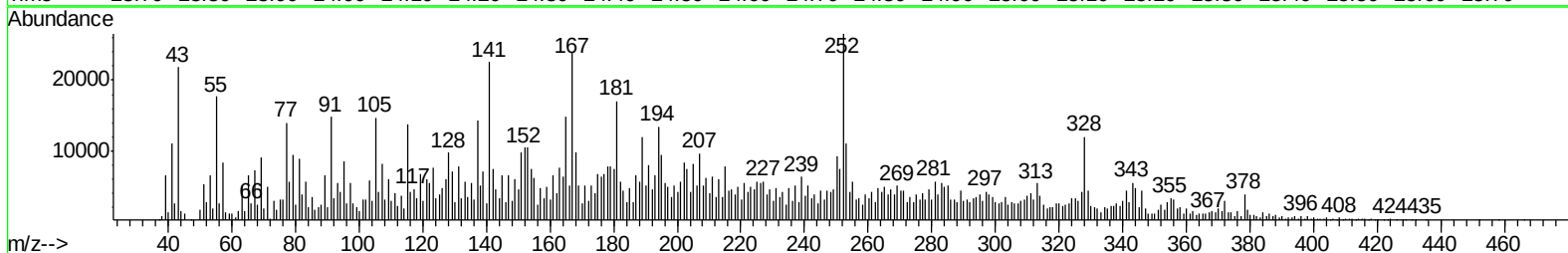
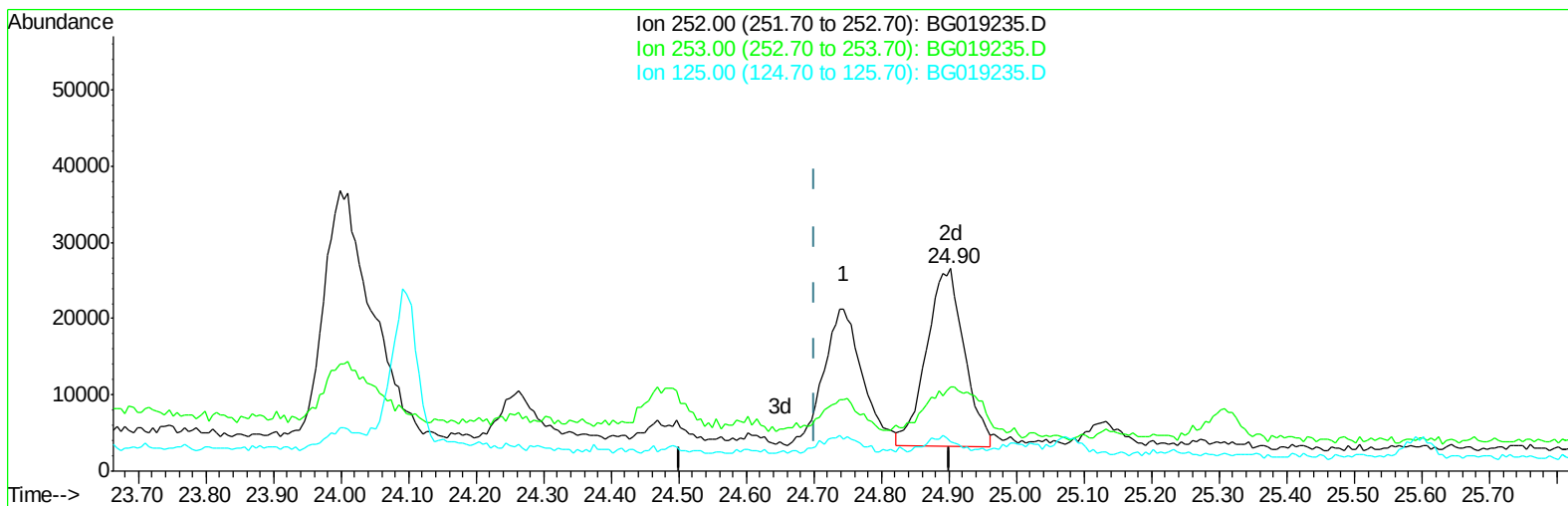
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Quant Time: Oct 19 08:39:33 2015
Quant Title :
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

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TIC: BG019235.D

(91) Benzo(a)pyrene (C)

24.902min (+0.202) 10.36ng/ul m

response 90383

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	41.64#
125.00	11.80	14.54#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
 Data File : BG019235.D
 Acq On : 16 Oct 2015 22:37
 Operator : UM/NP
 Sample : G3996-15
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK2

Manual Integrations
 APPROVED

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 10/19/2015 6:29:32 PM

Quant Time: Oct 19 15:49:07 2015
 Quant Title :
 QLast Update : Mon Oct 19 00:27:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27643	20.00	ng/ul	0.00
18) Naphthalene-d8	10.82	136	112305	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	68273	20.00	ng/ul	0.03
62) Phenanthrene-d10	17.44	188	151108	20.00	ng/ul	0.05
78) Chrysene-d12	21.74	240	169182	20.00	ng/ul	0.08
86) Perylene-d12	25.06	264	159960m	20.00	ng/ul	0.20

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1072	2.16	ng/uL	0.00
5) Phenol-d5	7.20	99	35203	14.59	ng/ul	0.03
7) Bis-(2-Chloroethyl)ether-d	7.33	67	23450	15.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	28164	16.02	ng/ul	0.01
13) 4-Methylphenol-d8	8.74	113	29896	14.63	ng/ul	0.03
19) Nitrobenzene-d5	9.17	128	15157	17.52	ng/ul	0.00
22) 2-Nitrophenol-d4	9.90	143	16479	17.94	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	28329	15.58	ng/ul	0.03
29) 4-Chloroaniline-d4	10.97	131	32789m	14.00	ng/ul	0.02
44) Dimethylphthalate-d6	14.10	166	91358m	15.30	ng/ul	0.05
47) Acenaphthylene-d8	14.36	160	101750	15.76	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.65	176	191259	37.48	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	140682	19.71	ng/ul	0.06
79) Pyrene-d10	19.83	212	160072	20.86	ng/ul	0.07
90) Benzo(a)pyrene-d12	24.82	264	123408m	15.27	ng/ul	0.19

Target Compounds

					Qvalue	
14) Acetophenone	8.83	105	9194	2.66	ng/ul#	51
24) 2,4-Dimethylphenol	10.04	107	248682m	105.20	ng/ul	
28) Naphthalene	10.87	128	154609	26.34	ng/ul	97
34) 2-Methylnaphthalene	12.48	142	177623	38.17	ng/ul	100
35) 1-Methylnaphthalene	12.70	142	180541	39.62	ng/ul#	99
41) 1,1'-Biphenyl	13.49	154	95243	17.87	ng/ul	94
50) Acenaphthene	14.73	153	80880	16.97	ng/ul#	90
54) Dibenzofuran	15.07	168	466264	69.21	ng/ul#	81
59) Fluorene	15.73	166	407891	70.75	ng/ul#	97
70) Phenanthrene	17.49	178	1699175	201.39	ng/ul#	85
72) Anthracene	17.58	178	329795	38.47	ng/ul#	84
77) Fluoranthene	19.50	202	814081	77.08	ng/ul	95
80) Pyrene	19.87	202	917269	91.35	ng/ul#	93
83) Benzo(a)anthracene	21.71	228	229048	23.97	ng/ul#	76
85) Chrysene	21.78	228	265622	29.39	ng/ul#	78
91) Benzo(a)pyrene	24.90	252	90383m	10.36	ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019235.D
Acq On : 16 Oct 2015 22:37
Operator : UM/NP
Sample : G3996-15
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK2

Quant Time: Oct 19 15:49:07 2015
Quant Title :
QLast Update : Mon Oct 19 00:27:28 2015
Response via : Initial Calibration

Manual Integrations
APPROVED

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10/19/2015 6:29:32 PM

