

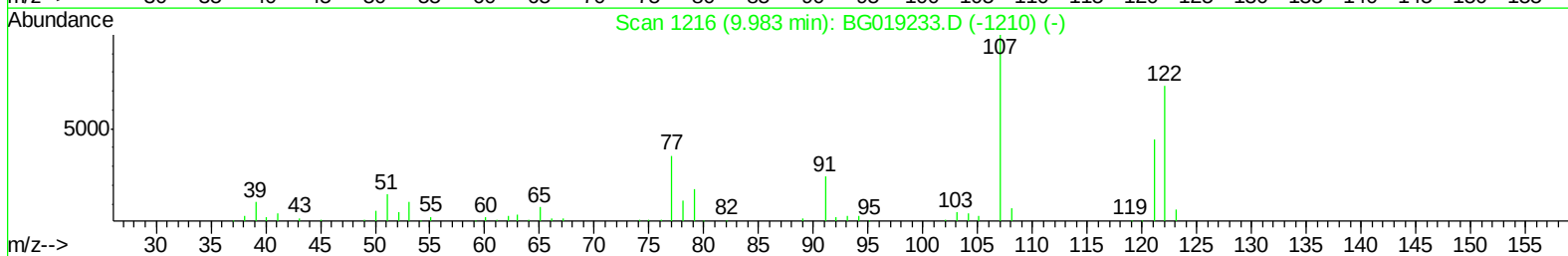
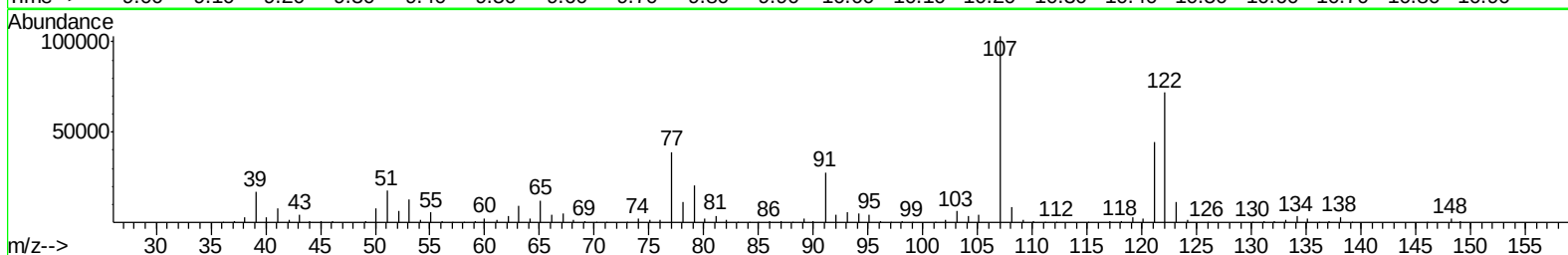
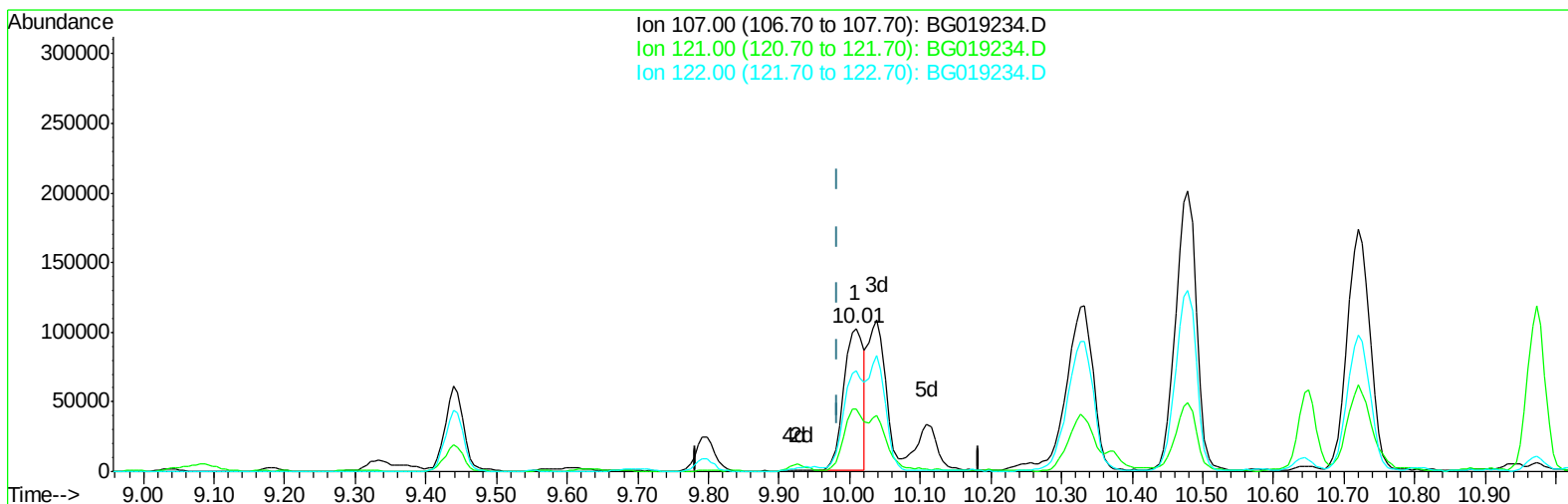
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampled :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 00:29:20 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: BG019234.D

(24) 2,4-Dimethylphenol

10.009min (+0.026) 91.75ng/ul

response 205200

Ion	Exp%	Act%
107.00	100	100
121.00	46.50	43.23
122.00	84.50	69.85
0.00	0.00	0.00

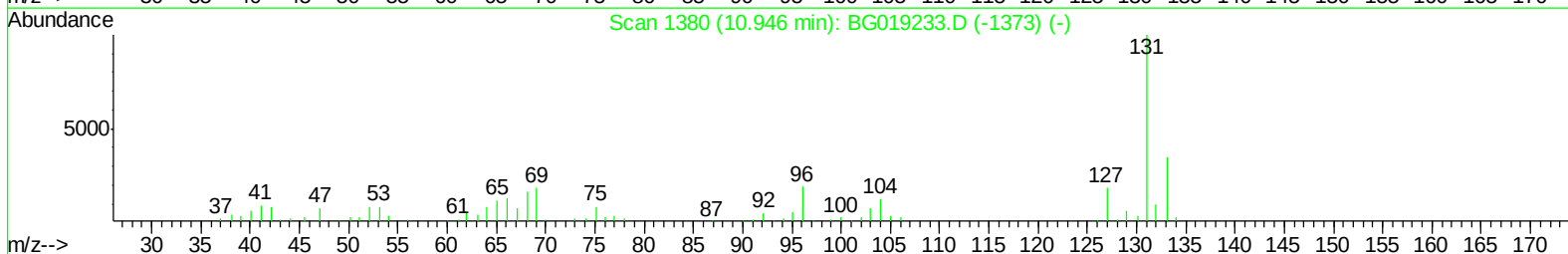
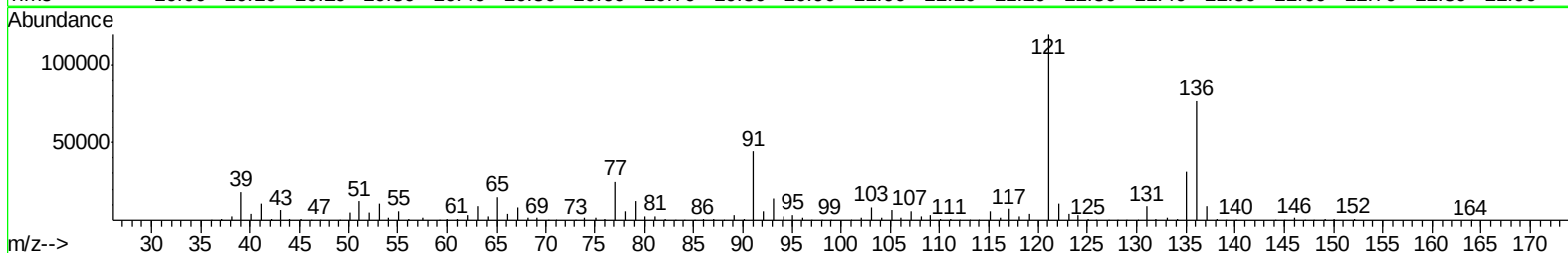
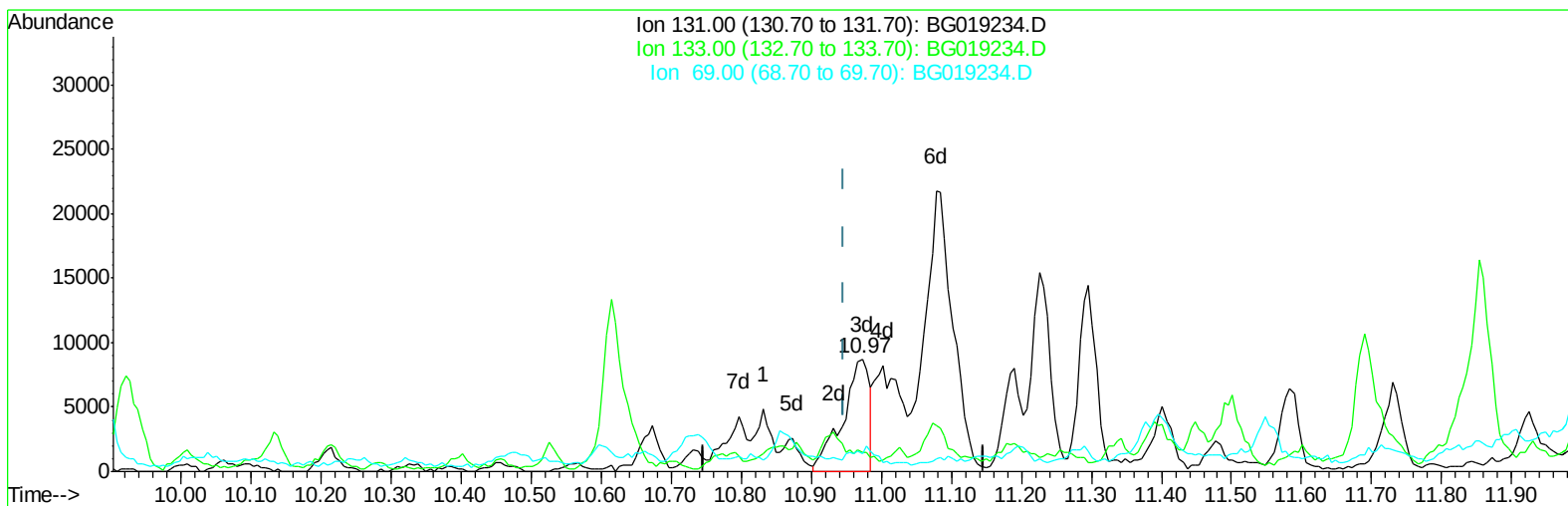
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
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Instrument :
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Manual Integrations
APPROVED

MMdadoda
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Quant Time: Oct 19 00:29:20 2015
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration



TIC: BG019234.D

(29) 4-Chloroaniline-d4 (S)

10.973min (+0.026) 10.49ng/ul m

response 23241

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	17.28#
69.00	17.00	16.36
0.00	0.00	0.00

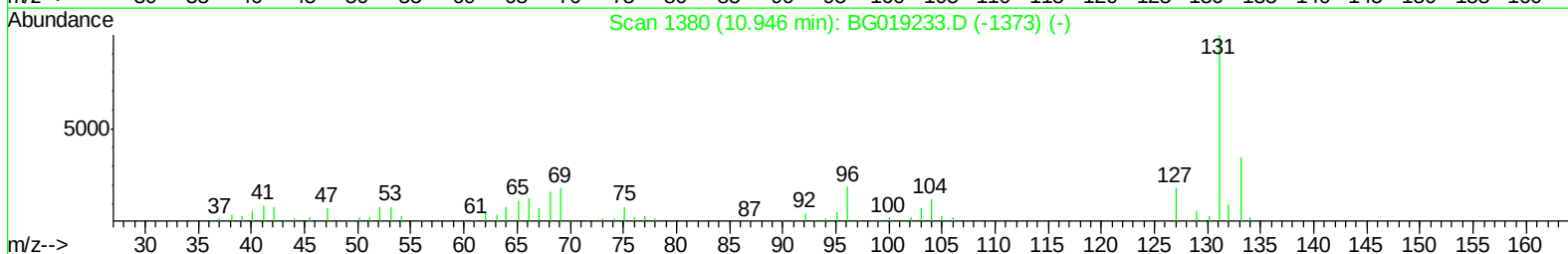
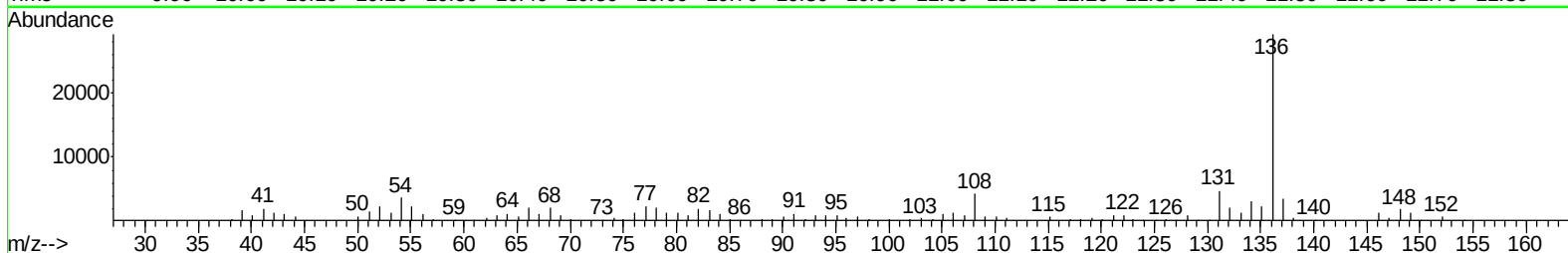
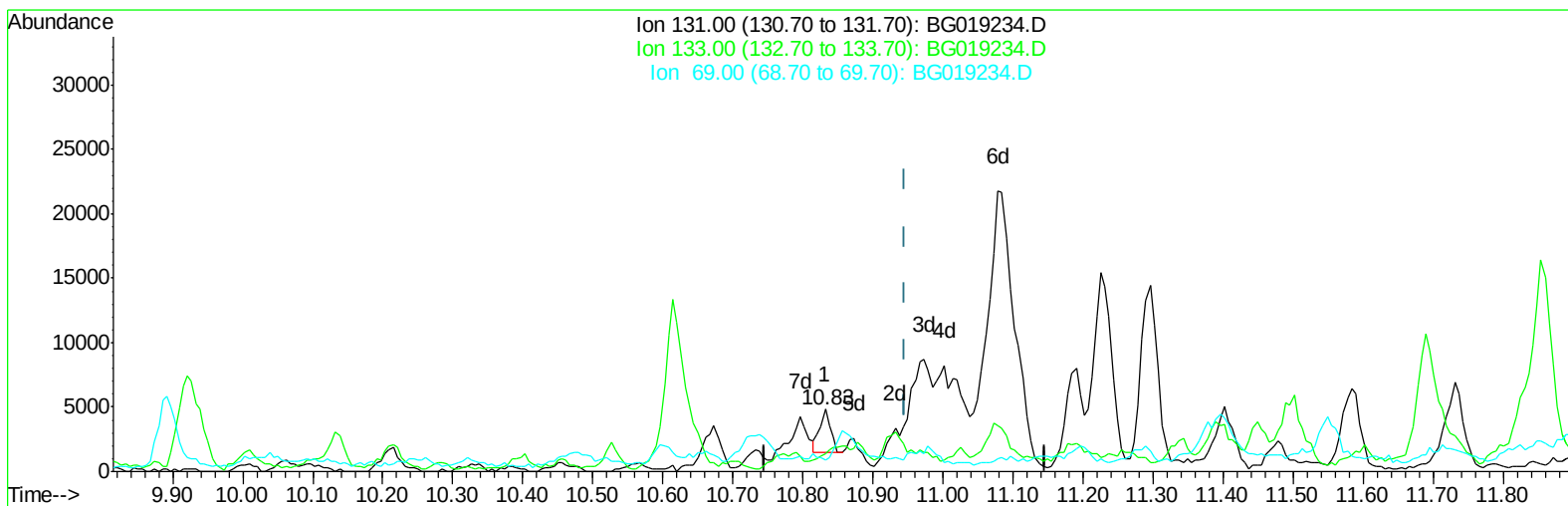
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 00:29:20 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: BG019234.D

(29) 4-Chloroaniline-d4 (S)
10.832min (-0.115) 1.62ng/ul
response 3596

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	29.18
69.00	17.00	18.62
0.00	0.00	0.00

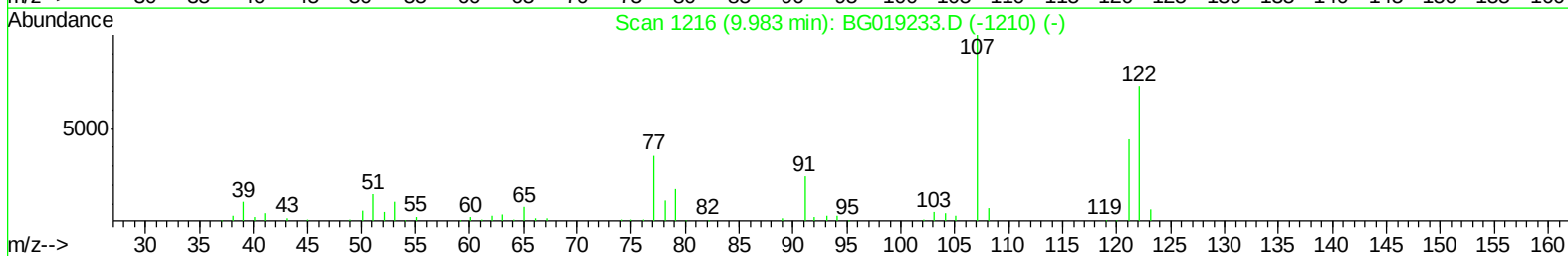
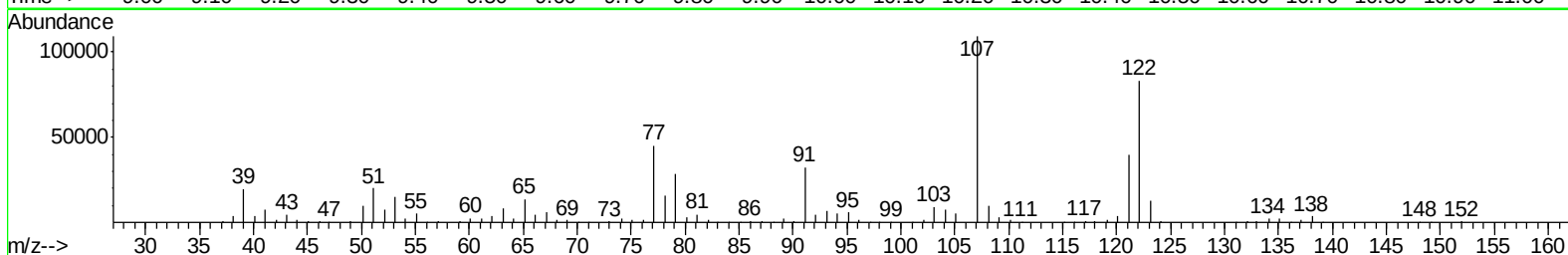
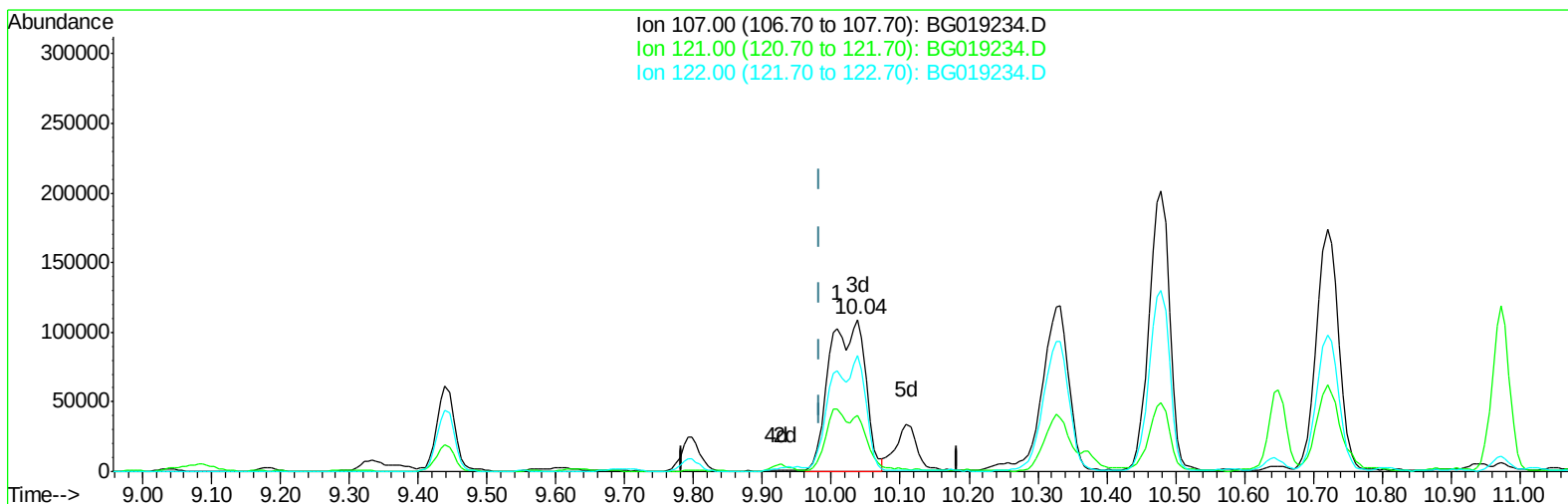
Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Quant Time: Oct 19 00:29:20 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
APPROVED

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



TIC: BG019234.D

(24) 2,4-Dimethylphenol

10.038min (+0.056) 177.42ng/ul m

response 396823

Ion	Exp%	Act%
107.00	100	100
121.00	46.50	36.71#
122.00	84.50	76.36
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
 Data File : BG019234.D
 Acq On : 16 Oct 2015 21:59
 Operator : UM/NP
 Sample : G3996-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK1

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 02:20:44 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	27218	20.00	ng/ul	0.00
18) Naphthalene-d8	10.81	136	106256	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	63134	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	159633	20.00	ng/ul	0.06
78) Chrysene-d12	21.74	240	170555	20.00	ng/ul	0.09
86) Perylene-d12	24.95	264	344	20.00	ng/ul	0.10

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1312	2.68	ng/uL	0.00
5) Phenol-d5	7.19	99	34372	14.47	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.33	67	23326	15.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	27842	16.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	27656	13.74	ng/ul	0.02
19) Nitrobenzene-d5	9.17	128	14223	17.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	16363	18.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	26665	15.50	ng/ul	0.02
29) 4-Chloroaniline-d4	10.97	131	23241m	10.49	ng/ul	0.03
44) Dimethylphthalate-d6	14.06	166	5640	1.02	ng/ul	0.01
47) Acenaphthylene-d8	14.36	160	90693	15.19	ng/ul	0.03
52) 4-Nitrophenol-d4	14.84	143	2341	2.36	ng/ul	0.00
58) Fluorene-d10	15.66	176	186306	39.48	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	142898	18.95	ng/ul	0.06
79) Pyrene-d10	19.84	212	167767	21.69	ng/ul	0.07
90) Benzo(a)pyrene-d12	24.72	264	11742	675.66	ng/ul	0.09

Target Compounds

					Ovalue	
14) Acetophenone	8.82	105	12728	3.75	ng/ul#	66
16) 4-Methylphenol	8.78	108	20755	9.53	ng/ul#	3
24) 2,4-Dimethylphenol	10.04	107	396823m	177.42	ng/ul	
28) Naphthalene	10.87	128	202464	36.45	ng/ul	99
33) 4-Chloro-3-methylphenol	12.09	107	14417	6.59	ng/ul#	21
34) 2-Methylnaphthalene	12.48	142	235552	53.50	ng/ul	99
35) 1-Methylnaphthalene	12.70	142	216551	50.23	ng/ul#	98
41) 1,1'-Biophenyl	13.49	154	138022	28.00	ng/ul	96
45) Dimethylphthalate	14.15	163	57546	10.34	ng/ul#	1
50) Acenaphthene	14.72	153	92858	21.07	ng/ul#	89
53) 4-Nitrophenol	14.89	109	148675	137.00	ng/ul#	2
54) Dibenzofuran	15.07	168	612307	98.29	ng/ul#	78
57) Diethylphthalate	15.45	149	68902	11.94	ng/ul#	82
59) Fluorene	15.73	166	519194	97.38	ng/ul#	94
61) 4-Nitroaniline	15.73	138	10637	8.83	ng/ul#	75
70) Phenanthrene	17.49	178	1957307	219.59	ng/ul#	84
72) Anthracene	17.58	178	413251	45.63	ng/ul#	83
77) Fluoranthene	19.50	202	898511	80.53	ng/ul#	94
80) Pyrene	19.87	202	1006018	99.38	ng/ul#	93
81) Butylbenzylphthalate	20.76	149	10389	2.82	ng/ul#	1
83) Benzo(a)anthracene	21.71	228	245632	25.50	ng/ul#	77
85) Chrysene	21.78	228	283631	31.13	ng/ul#	79
88) Benzo(b)fluoranthene	23.90	252	1396	71.55	ng/ul#	1

Data Path : Z:\HPCHEM1\BNA G\DATA\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 02:20:44 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)
89) Benzo(k)fluoranthene	24.00	252	172501	9010.26	ng/ul#	75
91) Benzo(a)pyrene	24.74	252	76965	4102.35	ng/ul#	63
92) Indeno(1,2,3-cd)pyrene	28.60	276	292	13.11	ng/ul#	1
93) Dibenzo(a,h)anthracene	28.68	278	433	22.30	ng/ul#	1
94) Benzo(g,h,i)perylene	29.76	276	261	14.25	ng/ul#	1

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

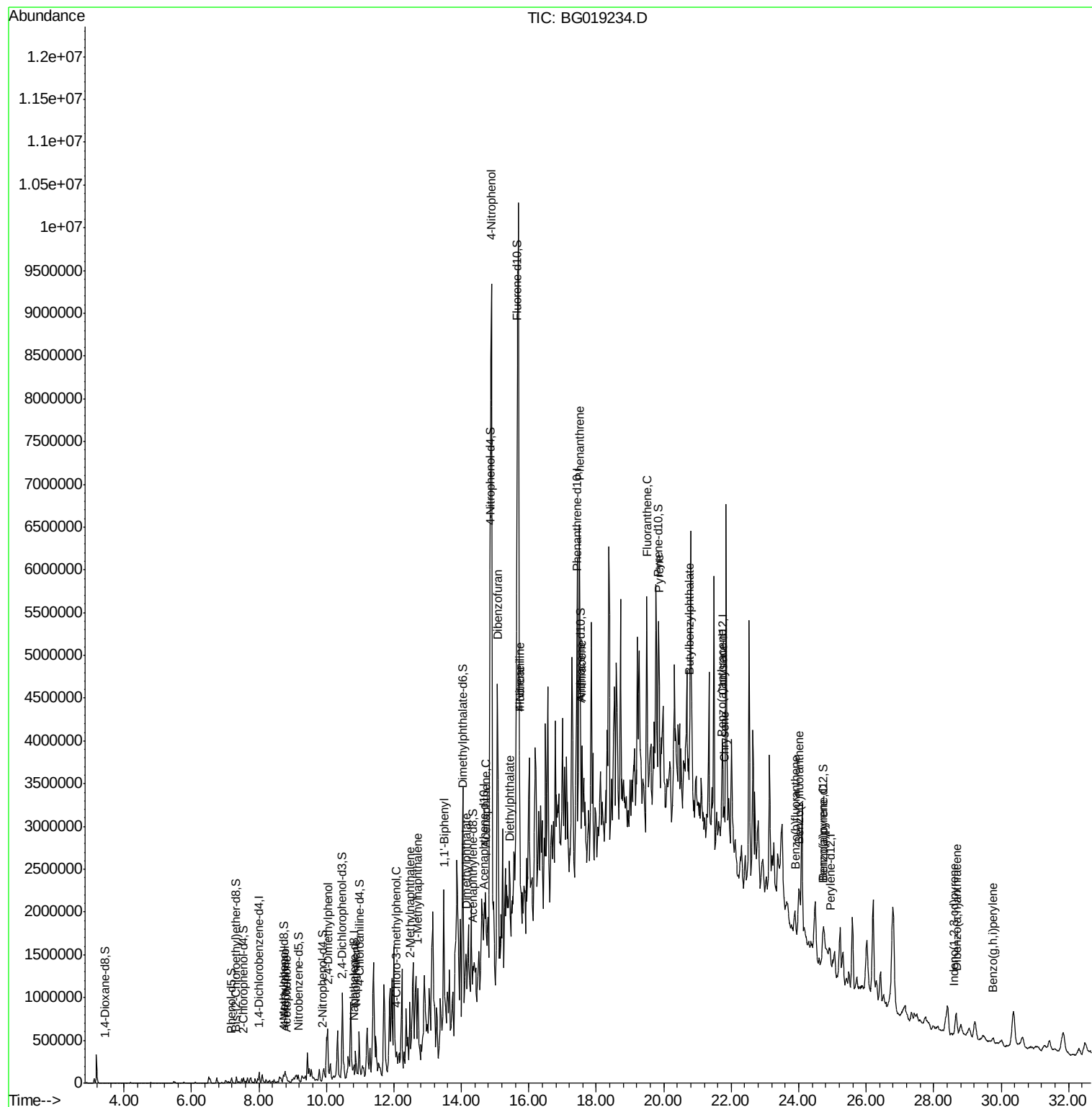
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Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 02:20:44 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



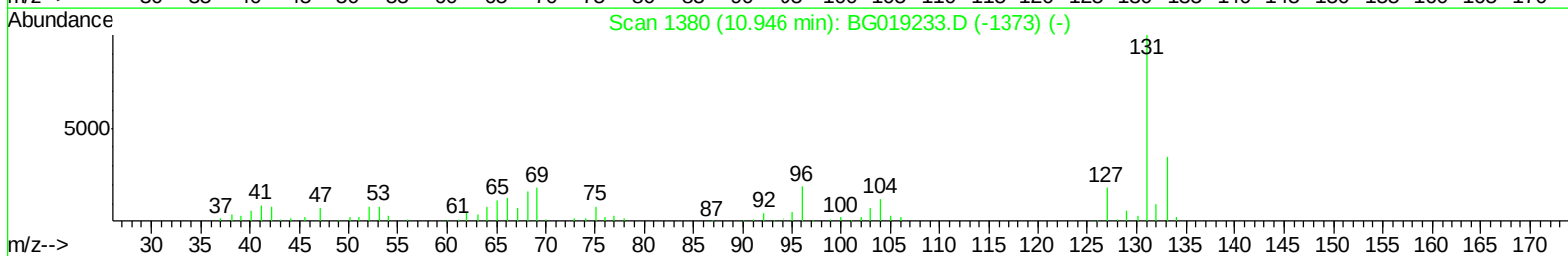
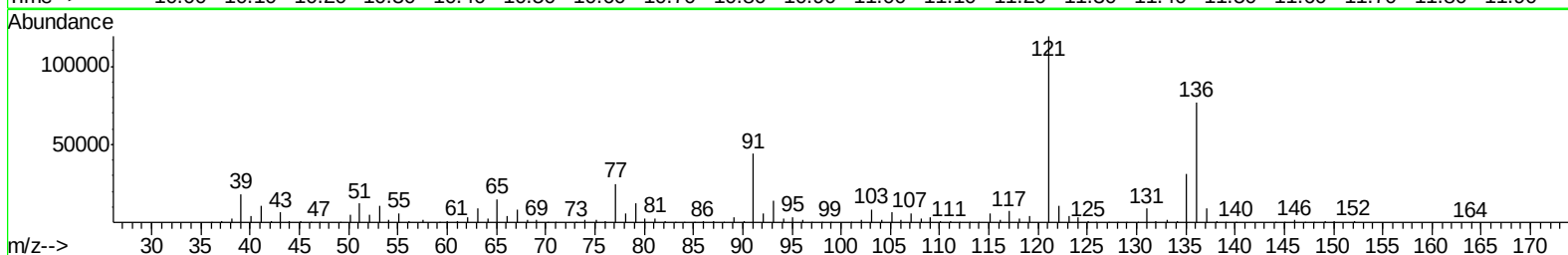
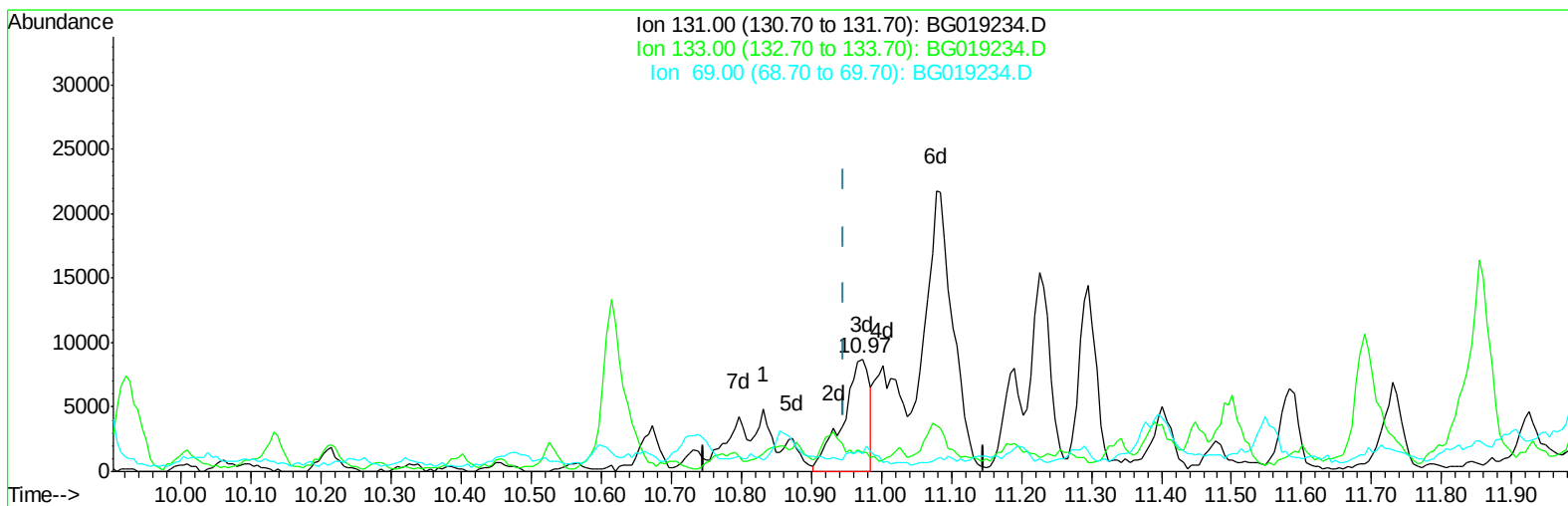
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Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 08:12:00 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: BG019234.D

(29) 4-Chloroaniline-d4 (S)
10.973min (+0.026) 10.49ng/ul m
response 23241

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	17.28#
69.00	17.00	16.36
0.00	0.00	0.00

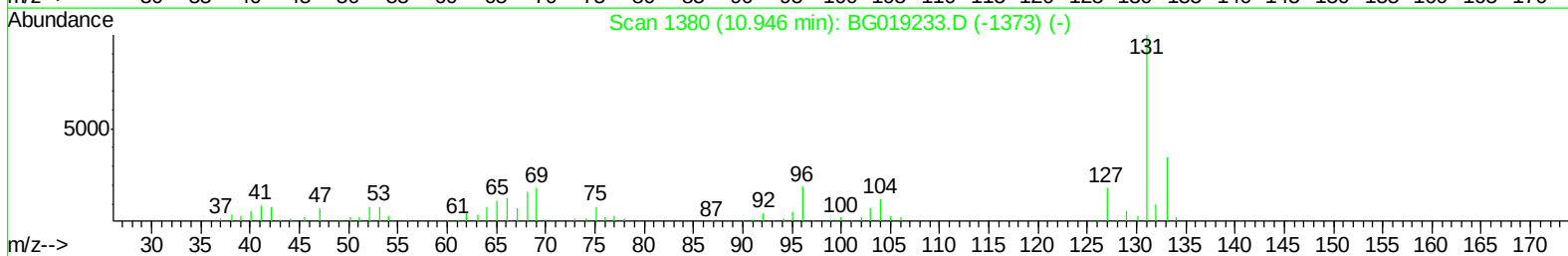
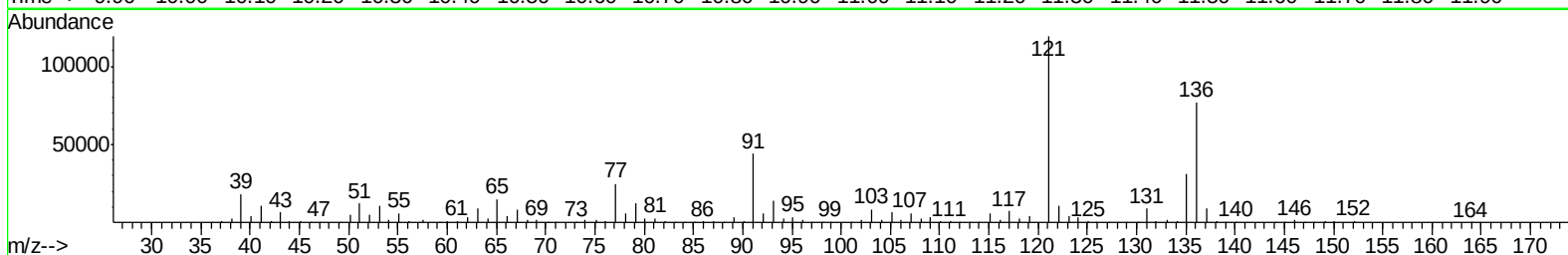
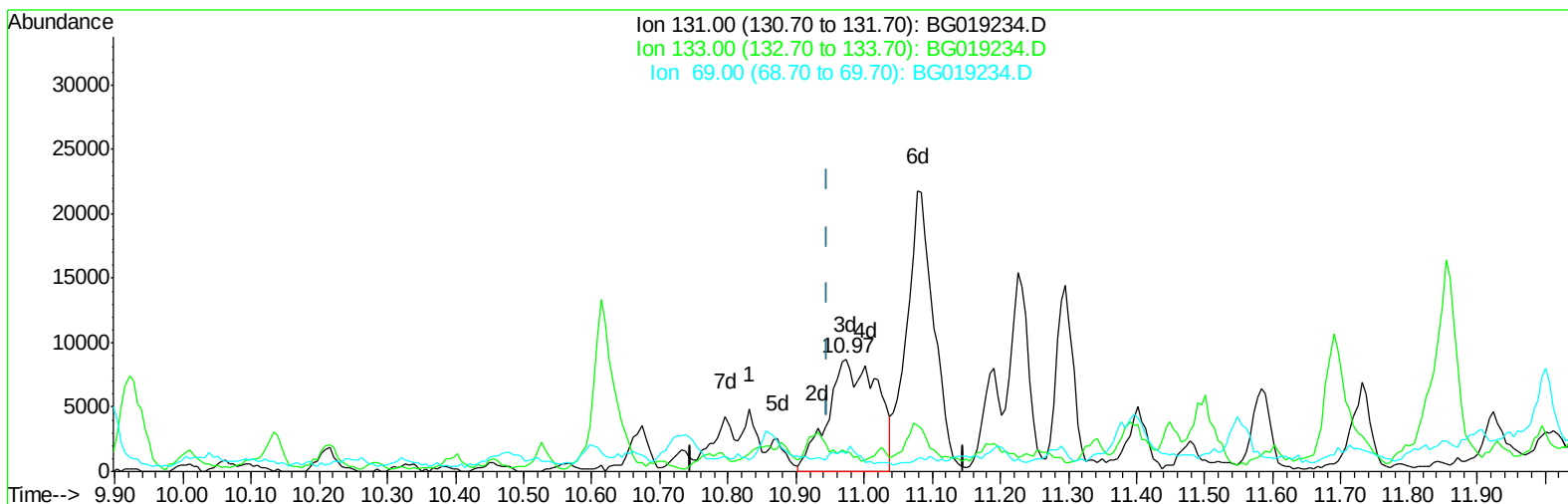
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 08:12:00 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: BG019234.D

(29) 4-Chloroaniline-d4 (S)
10.973min (+0.026) 19.87ng/ul m
response 44045

Ion	Exp%	Act%
131.00	100	100
133.00	31.50	17.28#
69.00	17.00	16.36
0.00	0.00	0.00

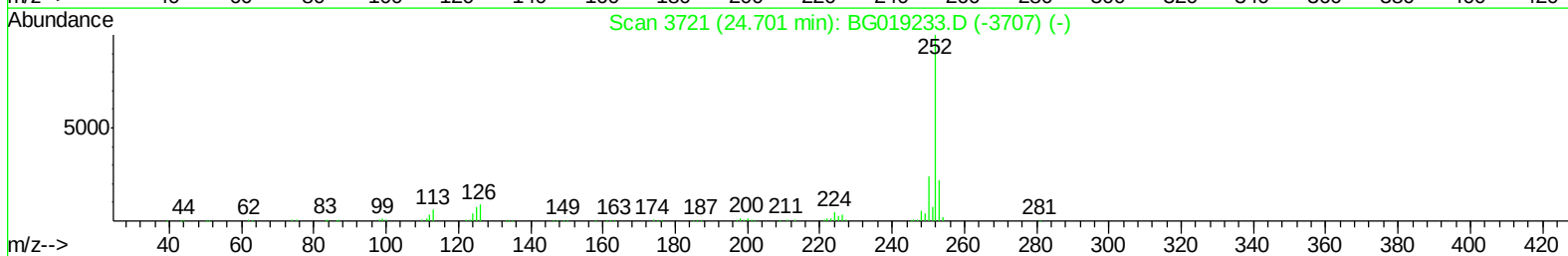
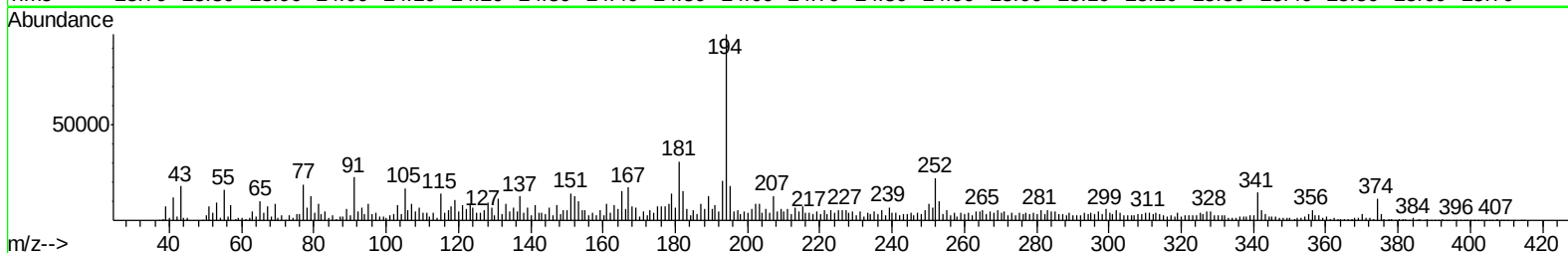
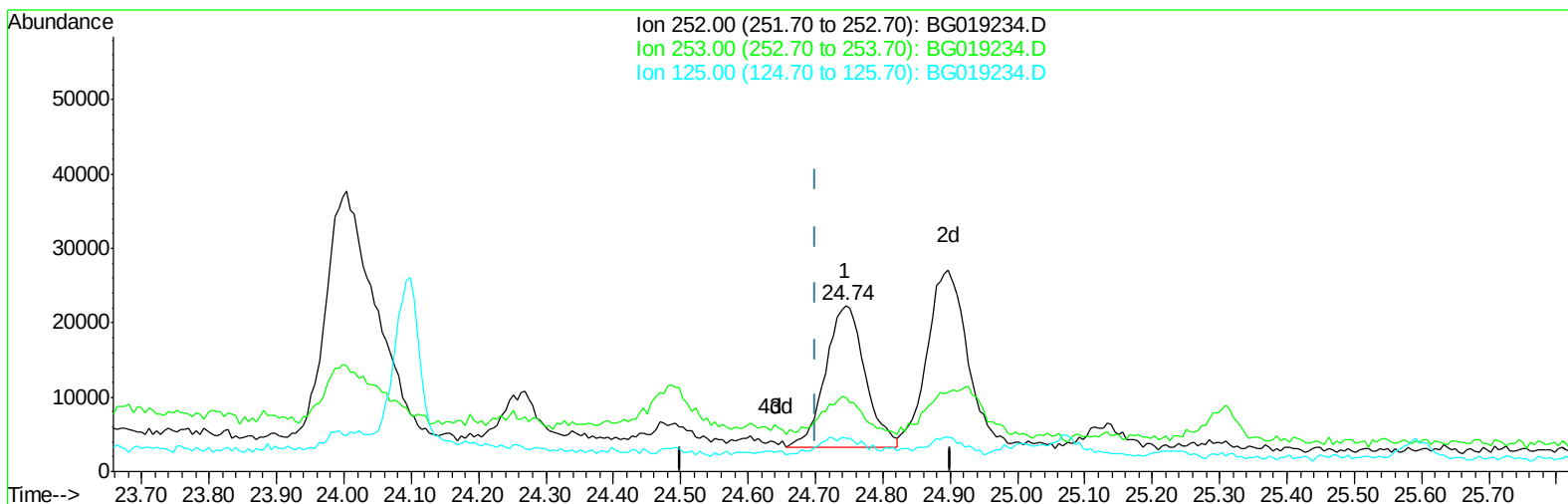
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Acq On : 16 Oct 2015 21:59
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Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 15:36:14 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: BG019234.D

(91) Benzo(a)pyrene (C)

24.745min (+0.044) 8.82ng/ul

response 76965

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	44.71#
125.00	11.80	19.69#
0.00	0.00	0.00

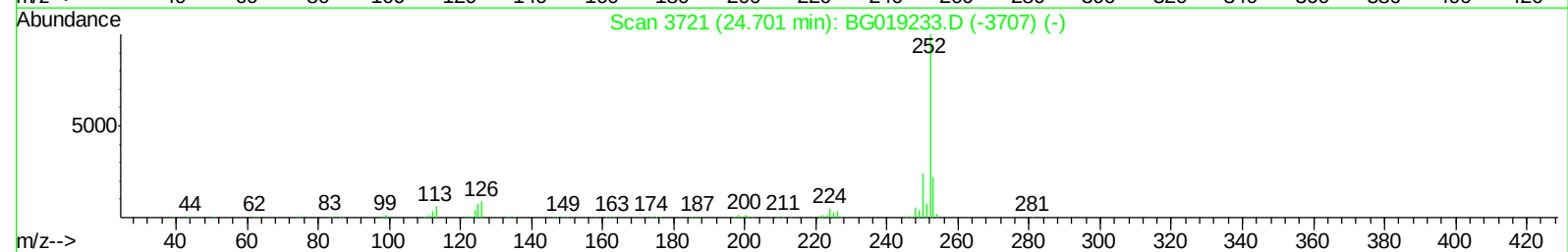
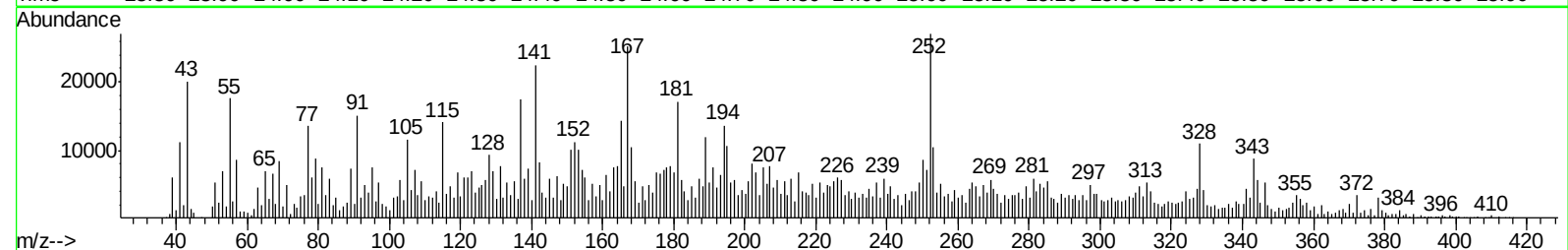
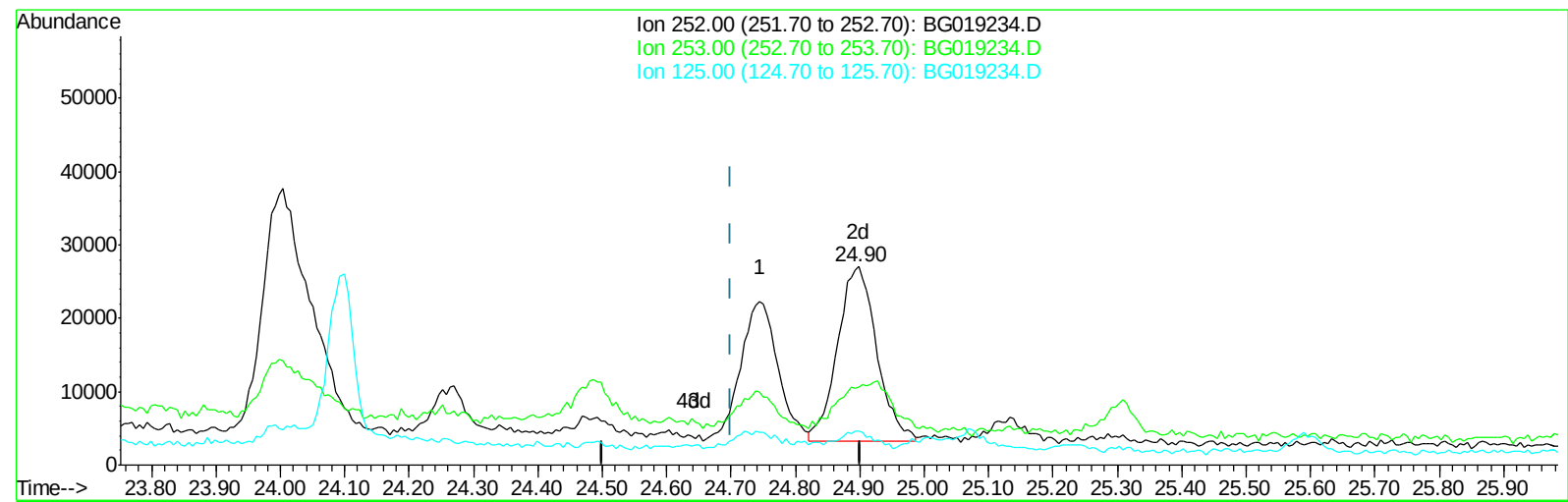
Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 15:36:14 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: BG019234.D

(91) Benzo(a)pyrene (C)

24.898min (+0.197) 11.30ng/ul m

response 98669

Ion	Exp%	Act%
252.00	100	100
253.00	22.60	39.02#
125.00	11.80	17.13#
0.00	0.00	0.00

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
 Data File : BG019234.D
 Acq On : 16 Oct 2015 21:59
 Operator : UM/NP
 Sample : G3996-14
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E5LK1

Manual Integrations
 APPROVED

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

Quant Time: Oct 19 15:43:02 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	27218	20.00	ng/ul	0.00
18) Naphthalene-d8	10.81	136	106256	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.66	164	63134	20.00	ng/ul	0.02
62) Phenanthrene-d10	17.44	188	159633	20.00	ng/ul	0.06
78) Chrysene-d12	21.74	240	170555	20.00	ng/ul	0.09
86) Perylene-d12	25.05	264	160084m	20.00	ng/ul	0.20

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.45	96	1312	2.68	ng/uL	0.00
5) Phenol-d5	7.19	99	34372	14.47	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.33	67	23326	15.26	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	27842	16.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	27656	13.74	ng/ul	0.02
19) Nitrobenzene-d5	9.17	128	14223	17.37	ng/ul	0.00
22) 2-Nitrophenol-d4	9.89	143	16363	18.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.46	165	26665	15.50	ng/ul	0.02
29) 4-Chloroaniline-d4	10.97	131	44045m	19.87	ng/ul	0.03
44) Dimethylphthalate-d6	14.10	166	92354m	16.73	ng/ul	0.06
47) Acenaphthylene-d8	14.36	160	90693	15.19	ng/ul	0.03
52) 4-Nitrophenol-d4	0.00	143	0d	0.00	ng/ul	
58) Fluorene-d10	15.66	176	186306	39.48	ng/ul	0.03
63) 4,6-Dinitro-2-methylphenol	0.00	200	0d	0.00	ng/ul	
71) Anthracene-d10	17.54	188	142898	18.95	ng/ul	0.06
79) Pyrene-d10	19.84	212	167767	21.69	ng/ul	0.07
90) Benzo(a)pyrene-d12	24.82	264	128832m	15.93	ng/ul	0.19

Target Compounds

					Qvalue
14) Acetophenone	8.82	105	12728	3.75 ng/ul#	66
24) 2,4-Dimethylphenol	10.04	107	396823m	177.42 ng/ul	
28) Naphthalene	10.87	128	202464	36.45 ng/ul	99
34) 2-Methylnaphthalene	12.48	142	235552	53.50 ng/ul	99
35) 1-Methylnaphthalene	12.70	142	216551	50.23 ng/ul#	98
41) 1,1'-Biphenyl	13.49	154	138022	28.00 ng/ul	96
50) Acenaphthene	14.72	153	92858	21.07 ng/ul#	89
54) Dibenzofuran	15.07	168	612307	98.29 ng/ul#	78
59) Fluorene	15.73	166	519194	97.38 ng/ul#	94
70) Phenanthrene	17.49	178	1957307	219.59 ng/ul#	84
72) Anthracene	17.58	178	413251	45.63 ng/ul#	83
77) Fluoranthene	19.50	202	898511	80.53 ng/ul#	94
80) Pyrene	19.87	202	1006018	99.38 ng/ul#	93
83) Benzo(a)anthracene	21.71	228	245632	25.50 ng/ul#	77
85) Chrysene	21.78	228	283631	31.13 ng/ul#	79
91) Benzo(a)pyrene	24.90	252	98669m	11.30 ng/ul	

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

Data Path : Z:\HPCHEM1\BNA_G\Data\BG101615\
Data File : BG019234.D
Acq On : 16 Oct 2015 21:59
Operator : UM/NP
Sample : G3996-14
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
E5LK1

Manual Integrations
APPROVED

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

Quant Time: Oct 19 15:43:02 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

