

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG122215\
 Data File : BG020452.D
 Acq On : 23 Dec 2015 20:46
 Operator : UM/SJ
 Sample : G4848-08DL 30X
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Quant Time: Dec 24 02:51:13 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 24 02:43:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.08	152	21531	20.00	ng/ul	0.00
18) Naphthalene-d8	10.90	136	91810	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.72	164	62649	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.47	188	145386	20.00	ng/ul	0.00
78) Chrysene-d12	21.74	240	186167	20.00	ng/ul	0.00
86) Perylene-d12	25.01	264	177242	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	7.25	99	620	0.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.41	67	546	0.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.62	132	688	0.50	ng/ul	0.00
13) 4-Methylphenol-d8	8.79	113	370	0.23	ng/ul	0.00
19) Nitrobenzene-d5	9.25	128	212	0.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.98	143	194	0.24	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.52	165	962	0.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.04	131	1181	0.65	ng/ul	0.00
44) Dimethylphthalate-d6	14.11	166	4643	0.92	ng/ul	0.00
47) Acenaphthylene-d8	14.41	160	4657	0.79	ng/ul	0.00
52) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
58) Fluorene-d10	15.70	176	4095	0.89	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.57	188	6350	0.95	ng/ul	0.00
79) Pyrene-d10	19.85	212	7180	0.83	ng/ul	0.00
90) Benzo(a)pyrene-d12	24.78	264	7842	0.89	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.96	128	1178086	245.72	ng/ul	95
30) 4-Chloroaniline	10.96	127	169319	91.54	ng/ul#	13
34) 2-Methylnaphthalene	12.56	142	390249	106.56	ng/ul	98
35) 1-Methylnaphthalene	12.77	142	184157	52.31	ng/ul	97
41) 1,1'-Biphenyl	13.55	154	133889	28.33	ng/ul	96
48) Acenaphthylene	14.44	152	31289	5.00	ng/ul#	93
50) Acenaphthene	14.79	153	563228	133.64	ng/ul	97
53) 4-Nitrophenol	14.78	109	887	1.01	ng/ul#	1
54) Dibenzofuran	15.12	168	565805	90.25	ng/ul	100
59) Fluorene	15.77	166	547439	108.74	ng/ul	98
61) 4-Nitroaniline	15.77	138	6714	5.98	ng/ul#	13
70) Phenanthrene	17.60	178	193713	24.36	ng/ul	98
72) Anthracene	17.60	178	193713	24.02	ng/ul	99
75) Carbazole	17.87	167	101185	14.93	ng/ul	99
77) Fluoranthene	19.52	202	1302255	140.12	ng/ul	98
80) Pyrene	19.88	202	892983	79.25	ng/ul	99
83) Benzo(a)anthracene	21.72	228	233587	21.50	ng/ul	97
85) Chrysene	21.78	228	189500	18.52	ng/ul	96
88) Benzo(b)fluoranthene	23.97	252	97370	9.13	ng/ul	94
89) Benzo(k)fluoranthene	23.97	252	97370	9.51	ng/ul	97
91) Benzo(a)pyrene	24.85	252	56207	5.56	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	28.72	276	14335	1.19	ng/ul	96

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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Dec 24 02:43:25 2015
Response via : Initial Calibration

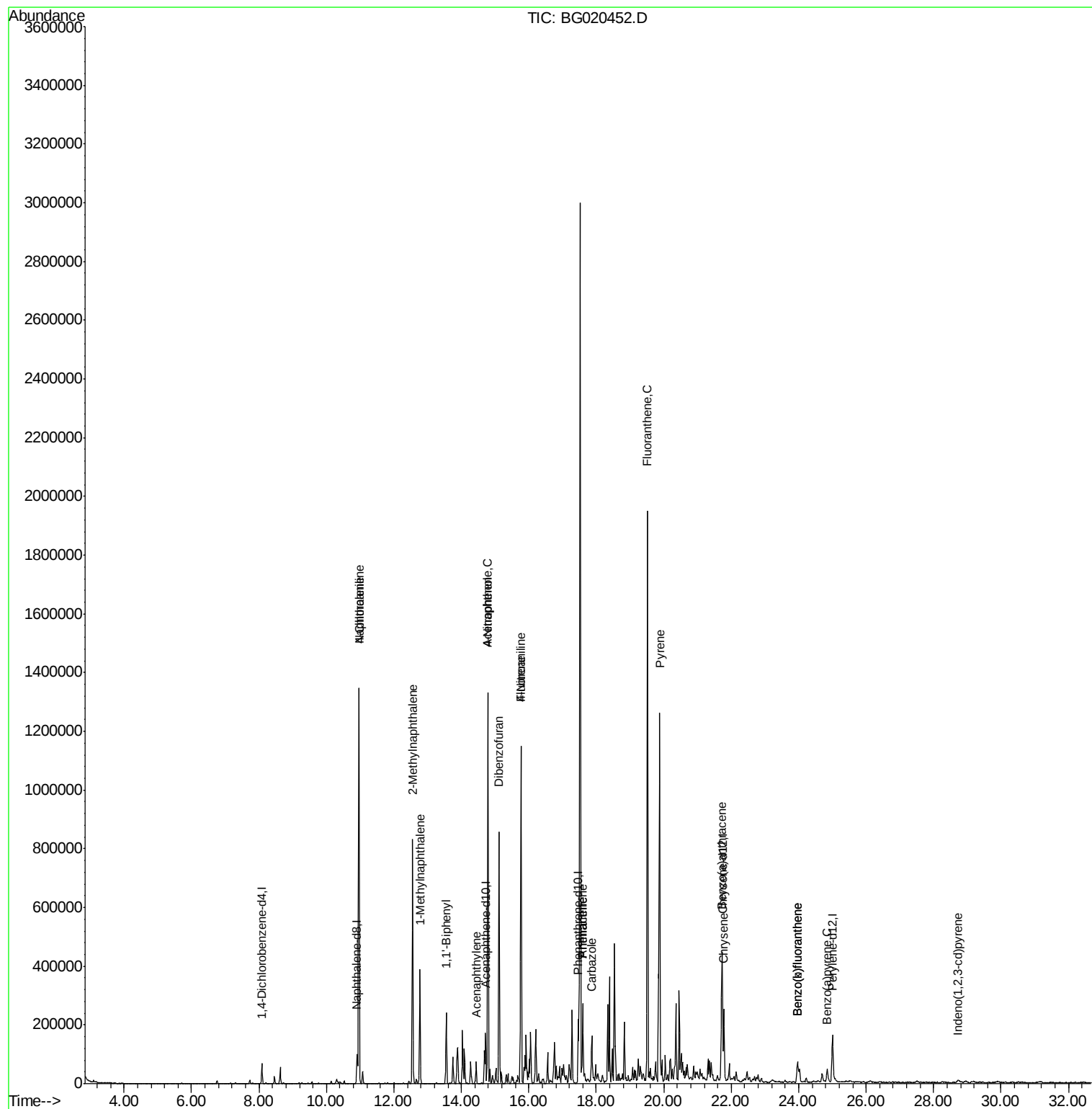
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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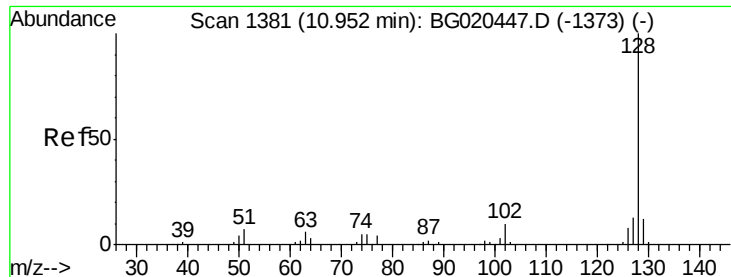
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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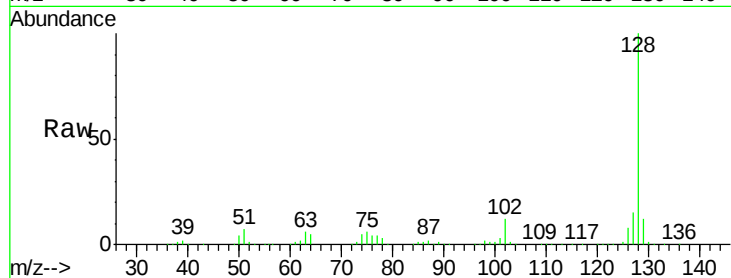




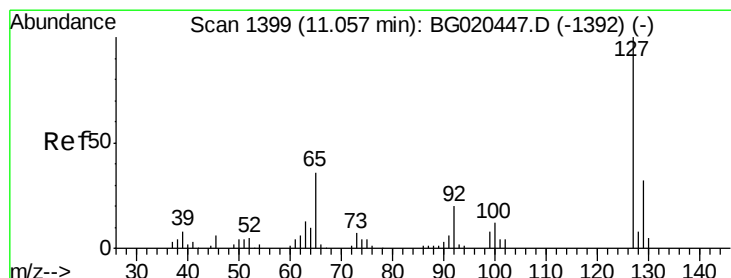
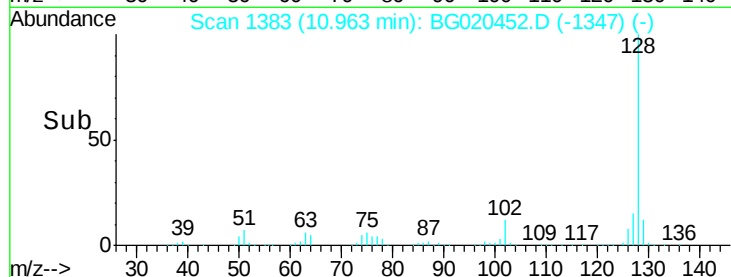
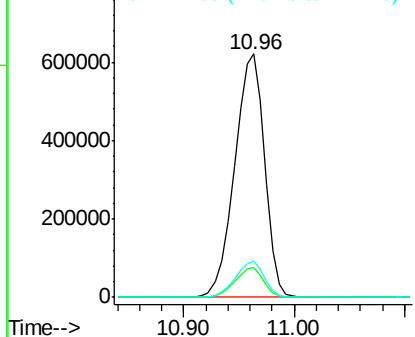
#28
Naphthalene
Concen: 245.72 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. 0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Instrument :
BNA_G
ClientSampleId :
D9N54DL

Tgt Ion:128 Resp: 1178086
Ion Ratio Lower Upper
128 100
129 12.0 8.6 12.8
127 14.9 10.1 15.1

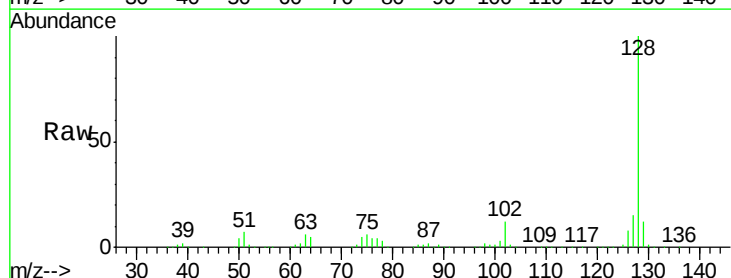


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

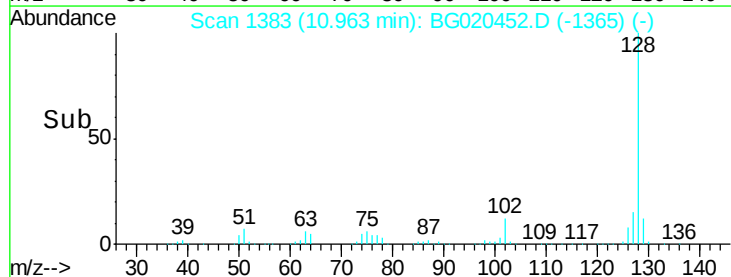
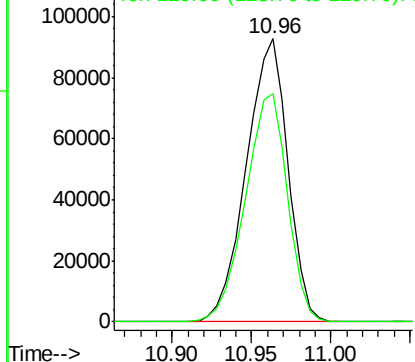


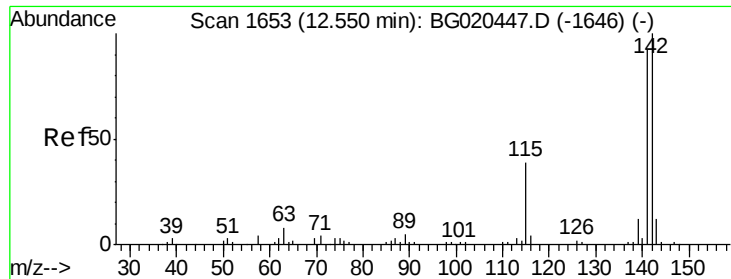
#30
4-Chloroaniline
Concen: 91.54 ng/ul
RT: 10.96 min Scan# 1383
Delta R.T. -0.09 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Tgt Ion:127 Resp: 169319
Ion Ratio Lower Upper
127 100
129 80.6 25.7 38.5#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

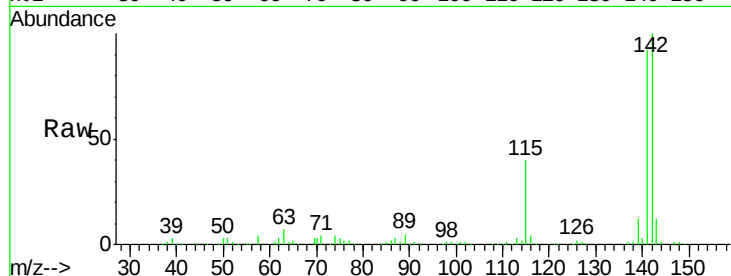




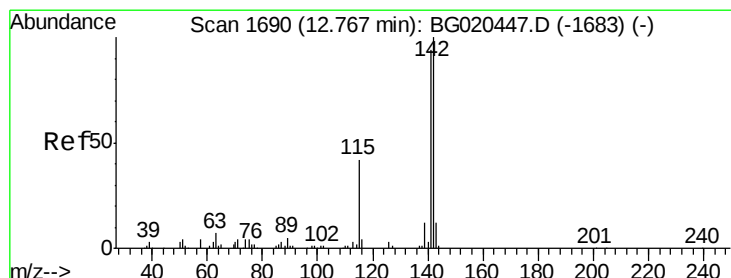
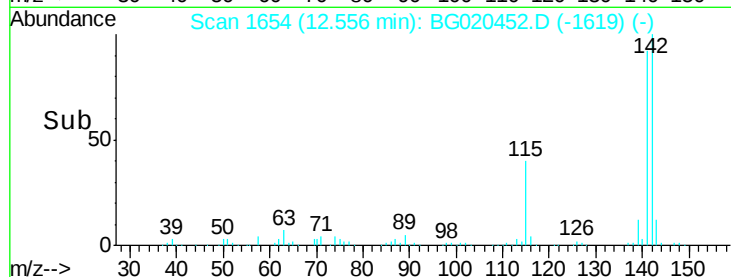
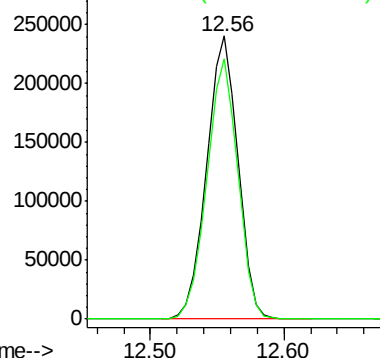
#34
 2-Methylnaphthalene
 Concen: 106.56 ng/ul
 RT: 12.56 min Scan# 1654
 Delta R.T. 0.01 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Tgt Ion:142 Resp: 390249
 Ion Ratio Lower Upper
 142 100
 141 92.1 74.9 112.3

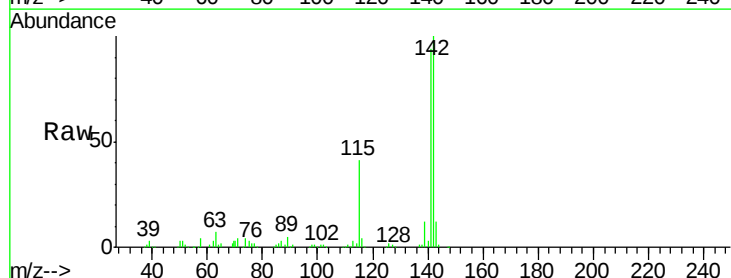


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

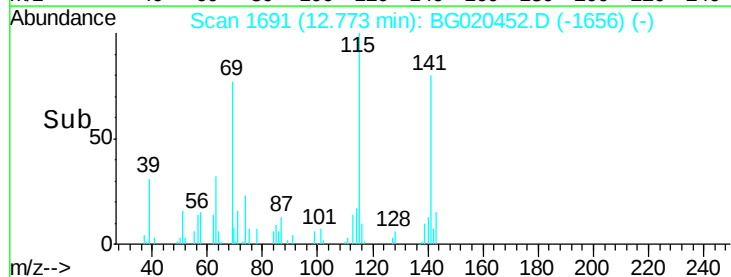
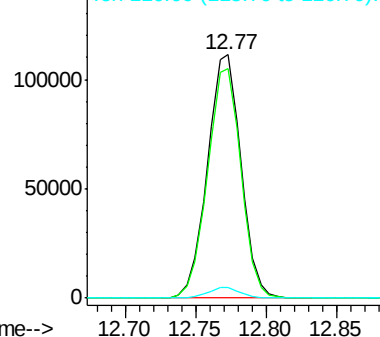


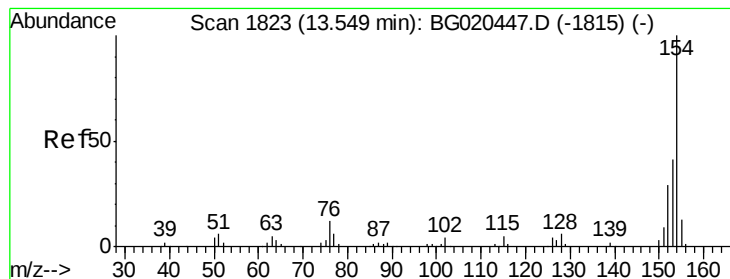
#35
 1-Methylnaphthalene
 Concen: 52.31 ng/ul
 RT: 12.77 min Scan# 1691
 Delta R.T. 0.01 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Tgt Ion:142 Resp: 184157
 Ion Ratio Lower Upper
 142 100
 141 94.3 73.0 109.6
 116 4.4 3.0 4.6



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E





#41

1,1'-Biphenyl

Concen: 28.33 ng/ul

RT: 13.55 min Scan# 1823

Delta R.T. -0.00 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Instrument :

BNA_G

ClientSampleId :

D9N54DL

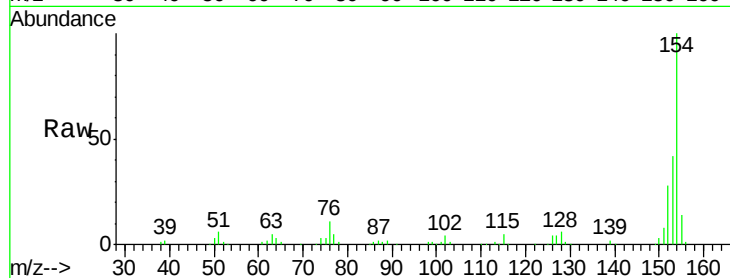
Tgt Ion:154 Resp: 133889

Ion Ratio Lower Upper

154 100

153 42.0 35.5 53.3

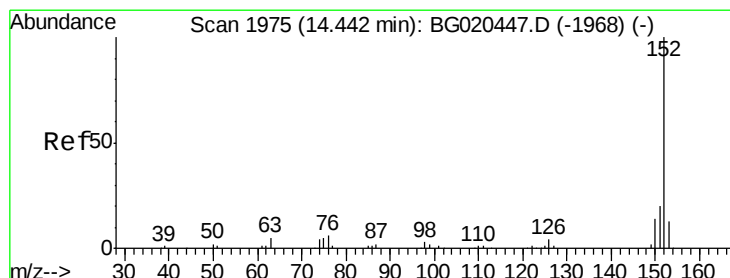
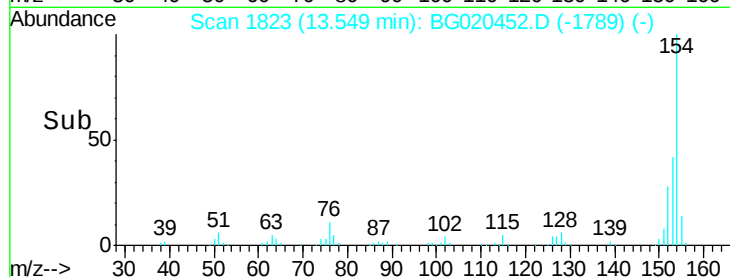
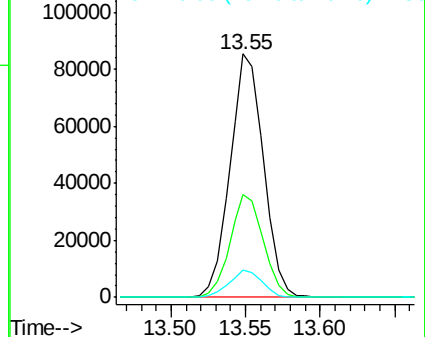
76 11.0 10.4 15.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): E



#48

Acenaphthylene

Concen: 5.00 ng/ul

RT: 14.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

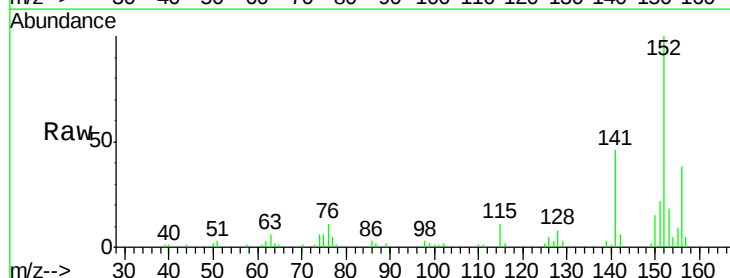
Tgt Ion:152 Resp: 31289

Ion Ratio Lower Upper

152 100

151 21.8 16.4 24.6

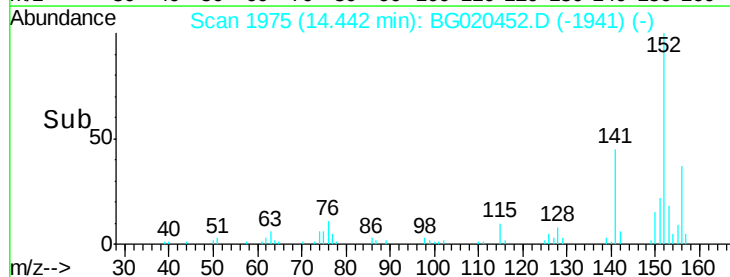
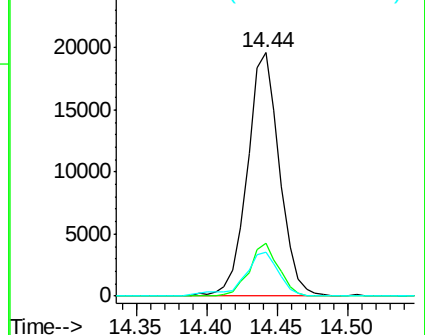
153 17.9 10.4 15.6#

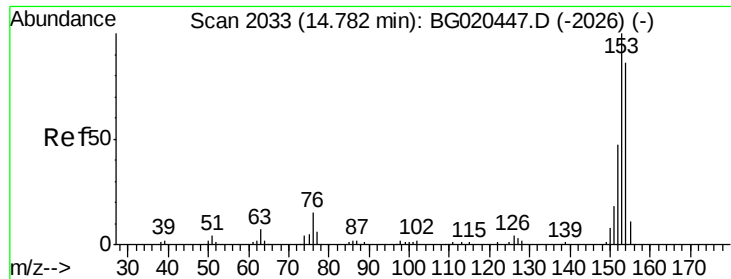


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 133.64 ng/ul

RT: 14.79 min Scan# 2034

Delta R.T. 0.01 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Instrument :

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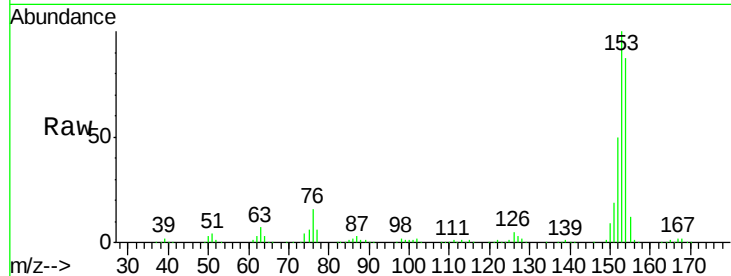
Tgt Ion:153 Resp: 563228

Ion Ratio Lower Upper

153 100

152 49.6 37.6 56.4

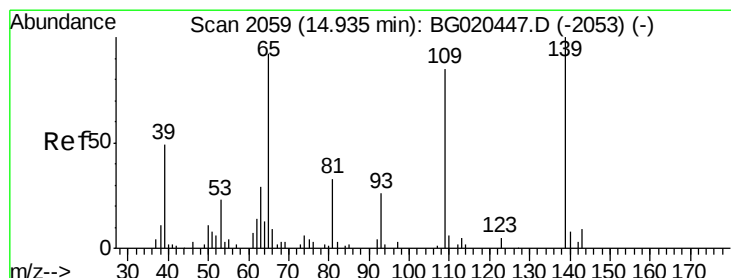
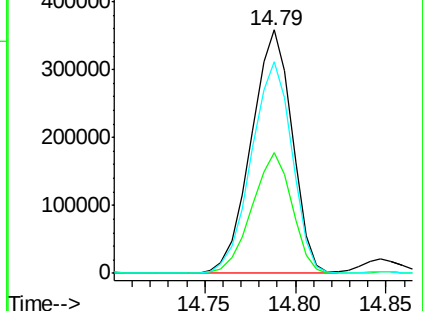
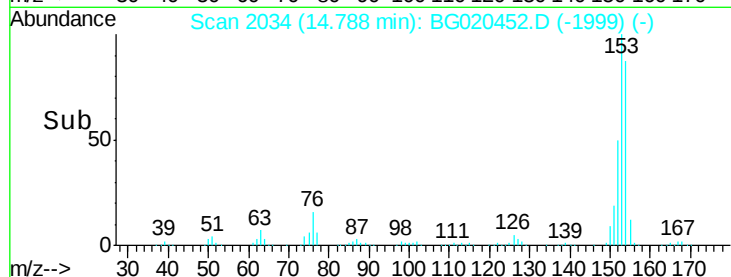
154 86.7 67.9 101.9



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

4-Nitrophenol

Concen: 1.01 ng/ul

RT: 14.78 min Scan# 2033

Delta R.T. -0.15 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

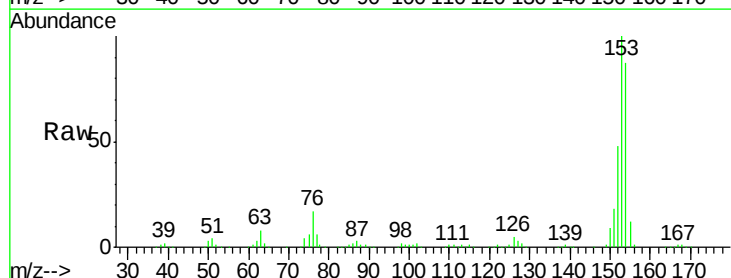
Tgt Ion:109 Resp: 887

Ion Ratio Lower Upper

109 100

139 385.8 80.5 120.7#

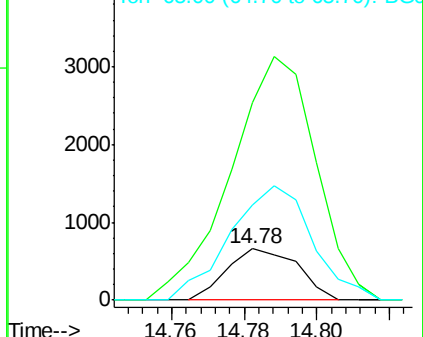
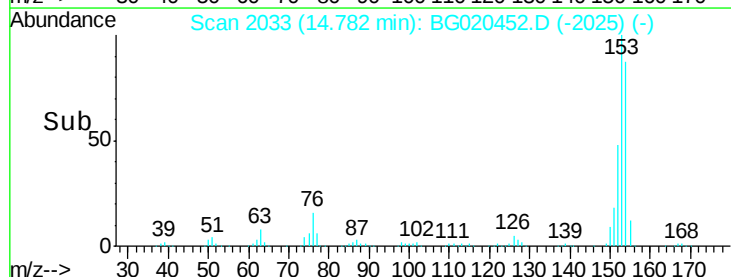
65 186.1 93.4 140.2#

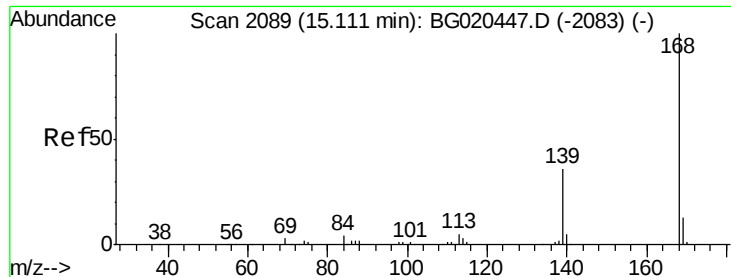


Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BGC

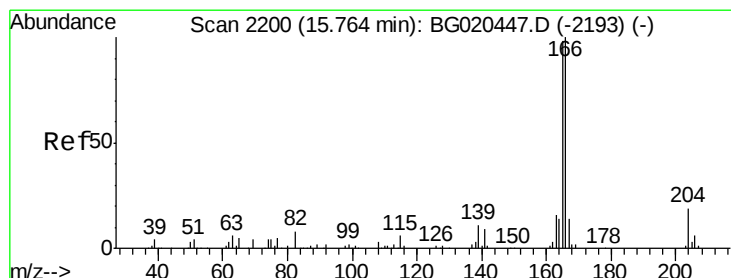
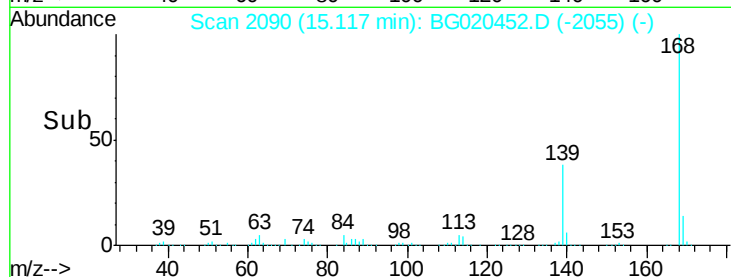
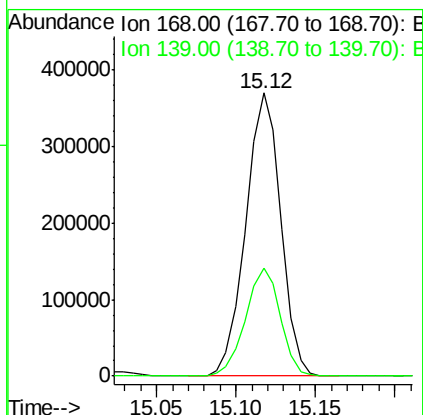
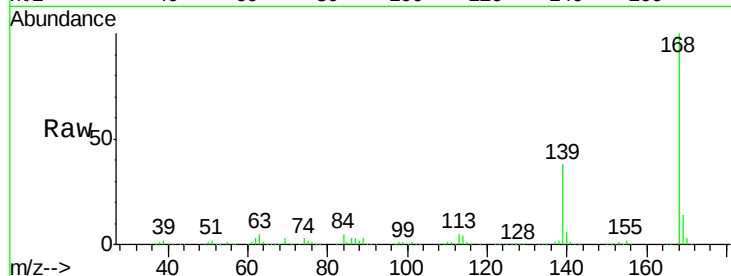




#54
Dibenzenofuran
Concen: 90.25 ng/ul
RT: 15.12 min Scan# 2090
Delta R.T. 0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

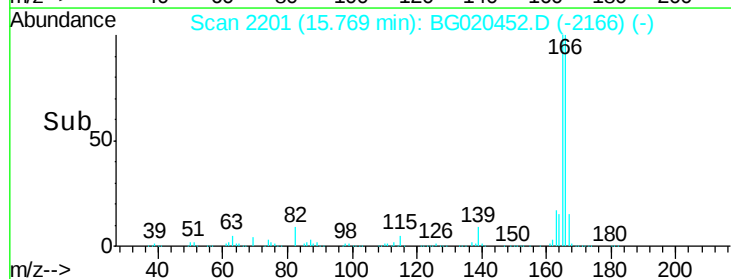
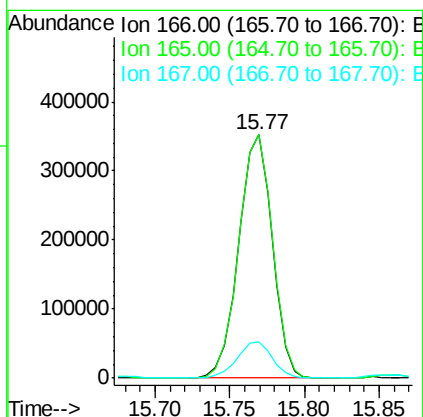
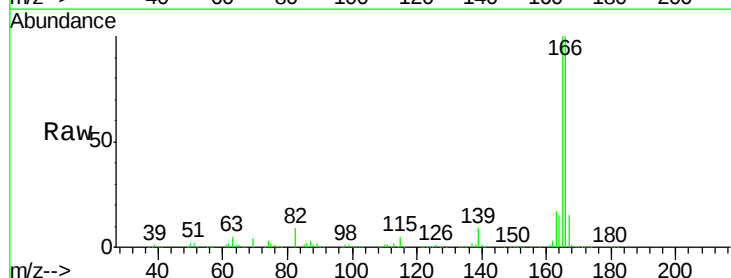
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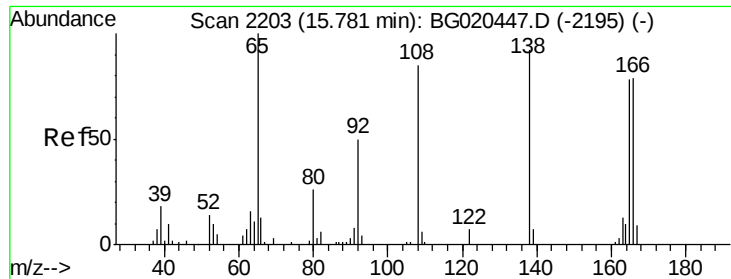
Tgt Ion:168 Resp: 565805
Ion Ratio Lower Upper
168 100
139 38.3 30.5 45.7



#59
Fluorene
Concen: 108.74 ng/ul
RT: 15.77 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BG020452.D
Acq: 23 Dec 2015 20:46

Tgt Ion:166 Resp: 547439
Ion Ratio Lower Upper
166 100
165 100.0 81.4 122.0
167 15.0 11.2 16.8

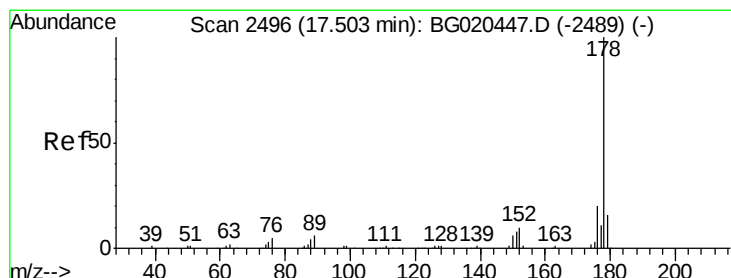
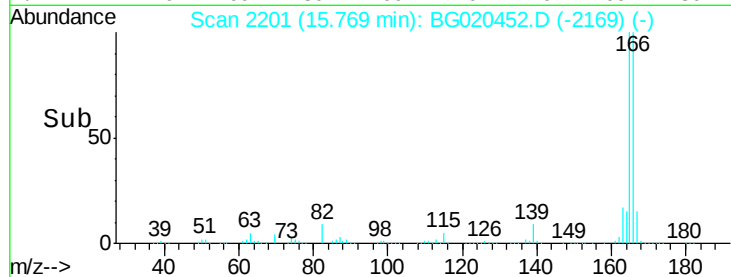
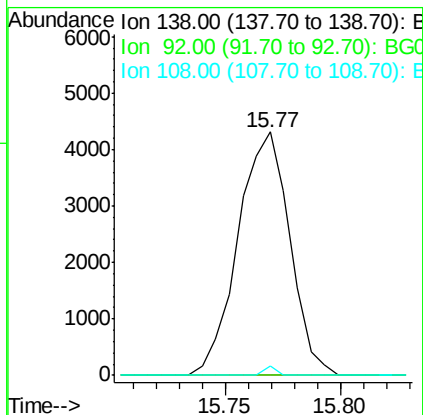
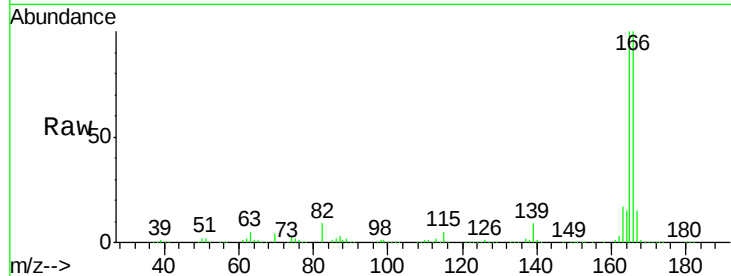




#61
 4-Nitroaniline
 Concen: 5.98 ng/ul
 RT: 15.77 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

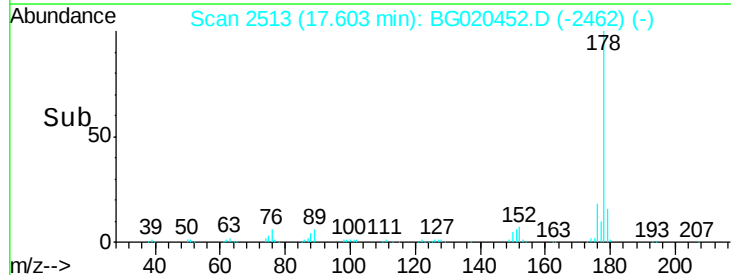
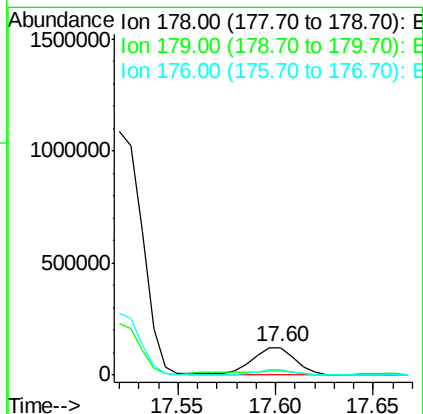
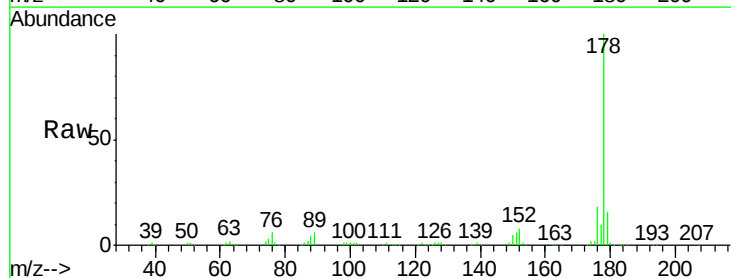
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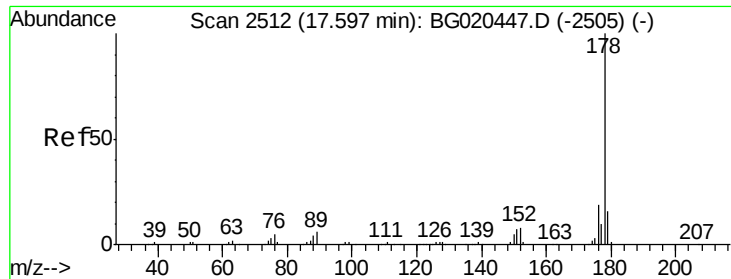
Tgt Ion:138 Resp: 6714
 Ion Ratio Lower Upper
 138 100
 92 0.0 45.2 67.8#
 108 3.8 75.4 113.0#



#70
 Phenanthrene
 Concen: 24.36 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.10 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Tgt Ion:178 Resp: 193713
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.9 19.3
 176 17.9 15.3 22.9

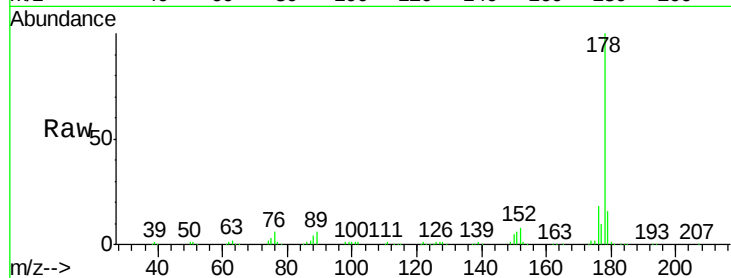




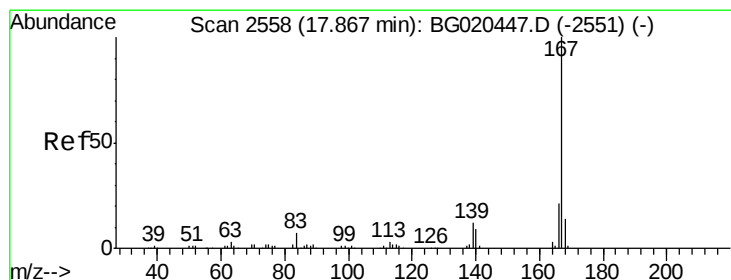
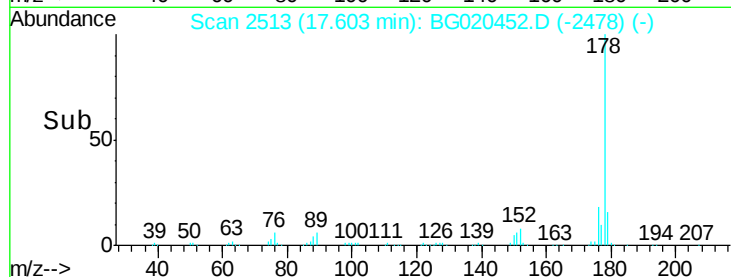
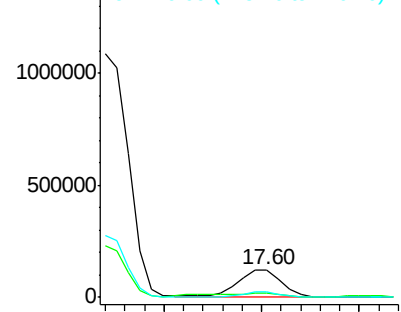
#72
 Anthracene
 Concen: 24.02 ng/ul
 RT: 17.60 min Scan# 2513
 Delta R.T. 0.01 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Instrument :
 BNA_G
 ClientSampleId :
 D9N54DL

Tgt Ion:178 Resp: 193713
 Ion Ratio Lower Upper
 178 100
 179 15.9 12.3 18.5
 176 17.9 14.3 21.5

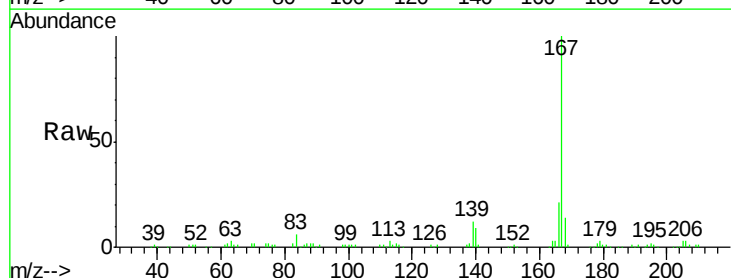


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

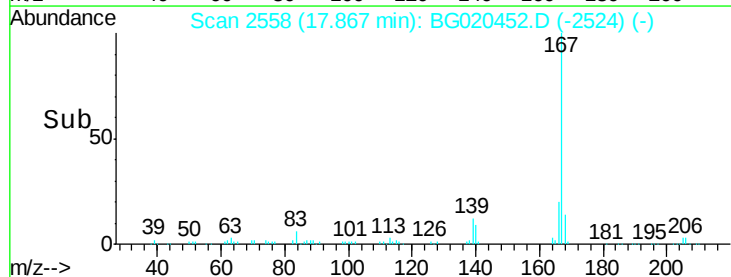
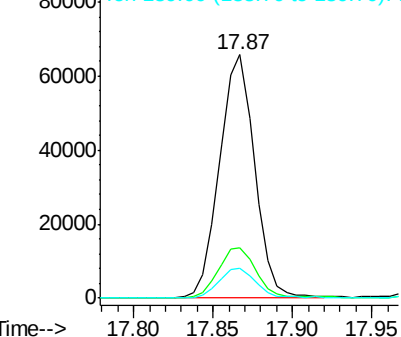


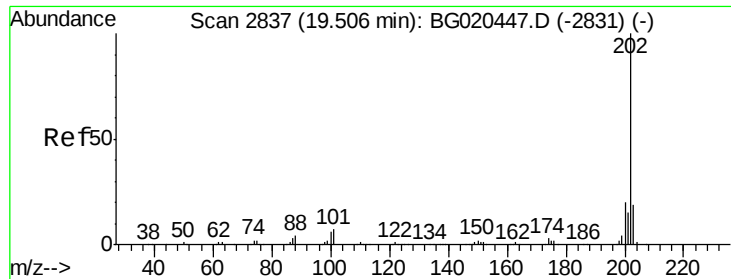
#75
 Carbazole
 Concen: 14.93 ng/ul
 RT: 17.87 min Scan# 2558
 Delta R.T. -0.00 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Tgt Ion:167 Resp: 101185
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.0 25.6
 139 12.4 10.1 15.1



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

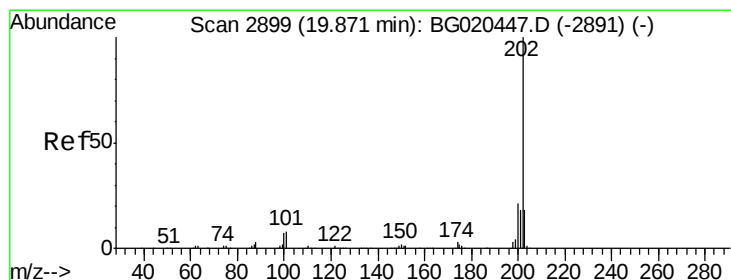
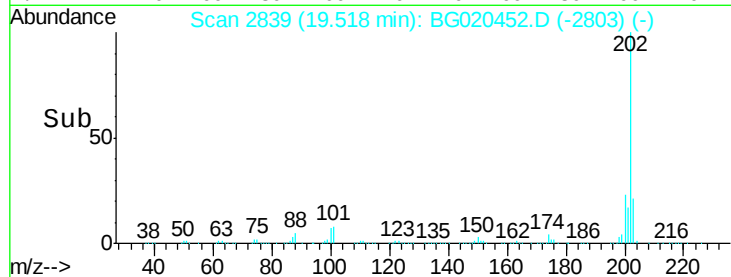
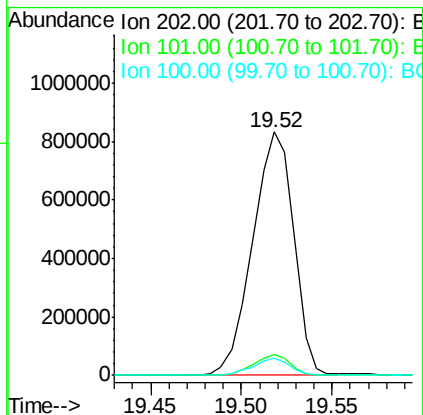
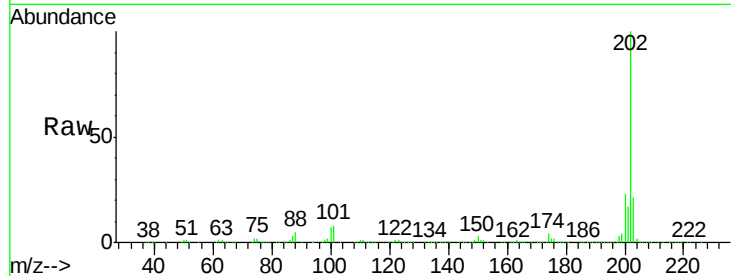




#77
 Fluoranthene
 Concen: 140.12 ng/ul
 RT: 19.52 min Scan# 2839
 Delta R.T. 0.01 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

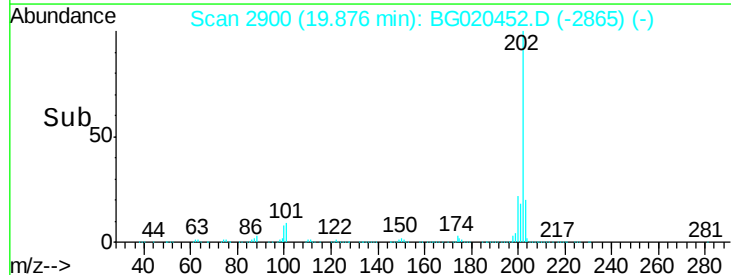
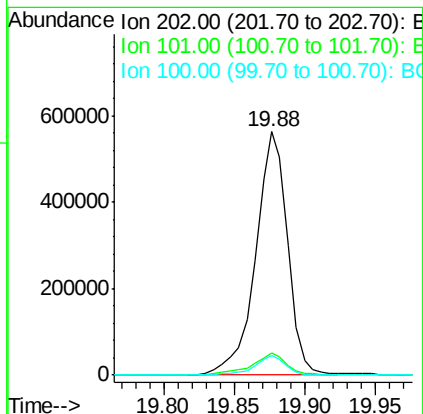
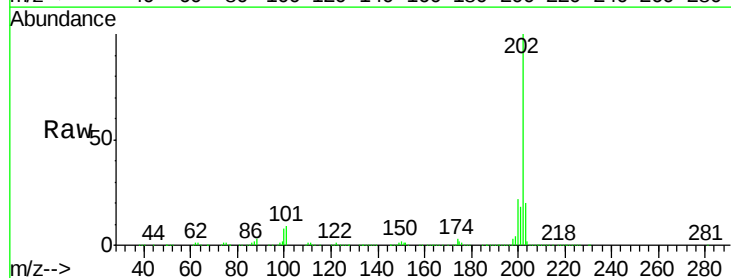
Instrument :
 BNA_G
 ClientSampled :
 D9N54DL

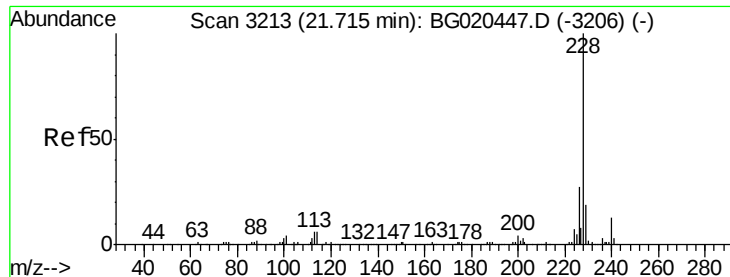
Tgt Ion:202 Resp: 1302255
 Ion Ratio Lower Upper
 202 100
 101 8.5 6.2 9.4
 100 6.8 5.1 7.7



#80
 Pyrene
 Concen: 79.25 ng/ul
 RT: 19.88 min Scan# 2900
 Delta R.T. 0.01 min
 Lab File: BG020452.D
 Acq: 23 Dec 2015 20:46

Tgt Ion:202 Resp: 892983
 Ion Ratio Lower Upper
 202 100
 101 9.1 7.0 10.4
 100 7.9 6.4 9.6





#83

Benzo(a)anthracene

Concen: 21.50 ng/ul

RT: 21.72 min Scan# 3213

Delta R.T. -0.00 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Instrument :

BNA_G

ClientSampleId :

D9N54DL

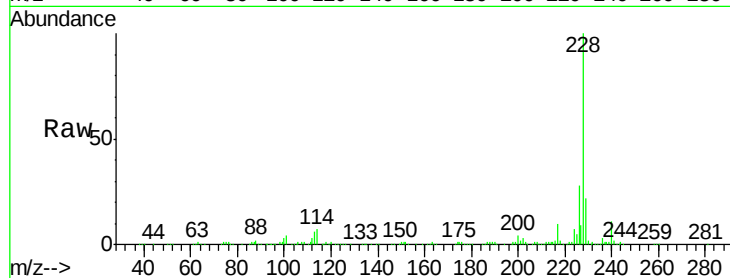
Tgt Ion:228 Resp: 233587

Ion Ratio Lower Upper

228 100

229 22.0 15.8 23.8

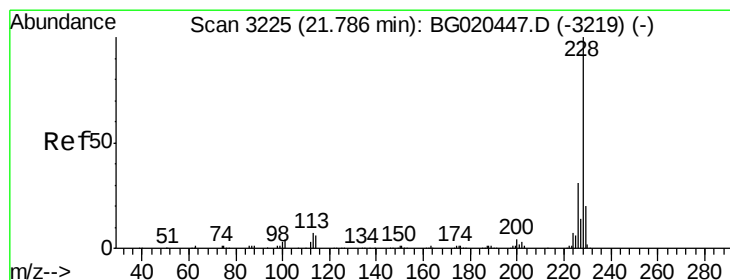
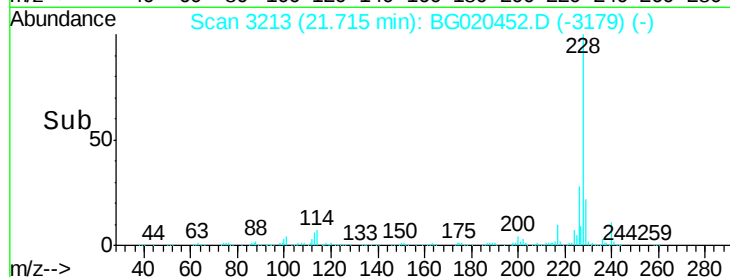
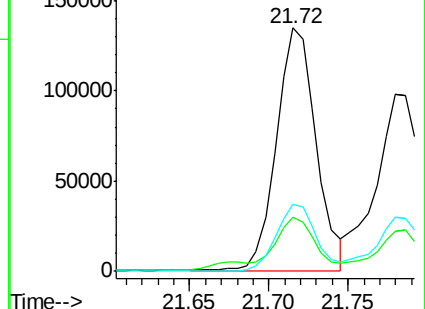
226 27.7 21.8 32.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#85

Chrysene

Concen: 18.52 ng/ul

RT: 21.78 min Scan# 3224

Delta R.T. -0.01 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

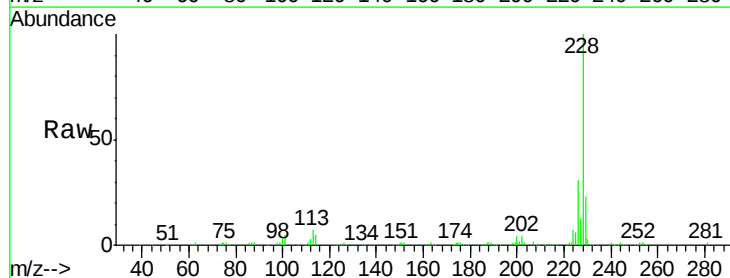
Tgt Ion:228 Resp: 189500

Ion Ratio Lower Upper

228 100

226 30.7 23.9 35.9

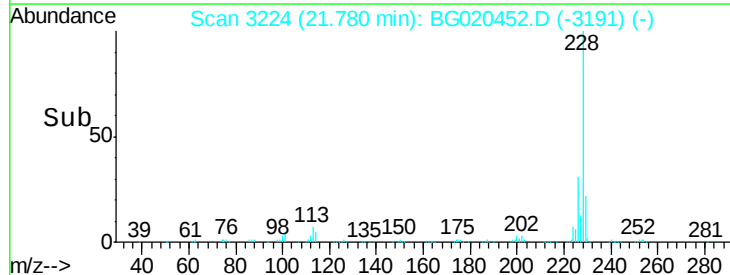
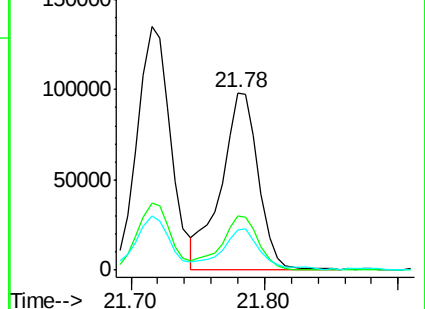
229 22.8 15.6 23.4

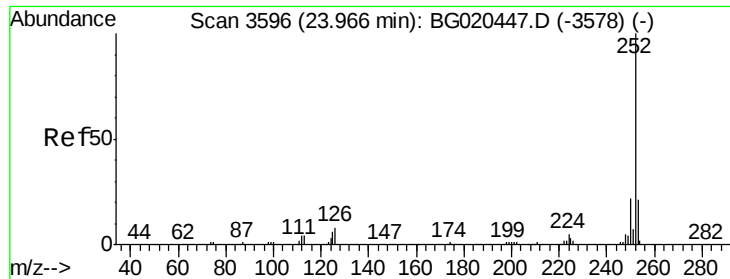


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#88

Benzo(b)fluoranthene

Concen: 9.13 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.00 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Instrument :

BNA_G

ClientSampleId :

D9N54DL

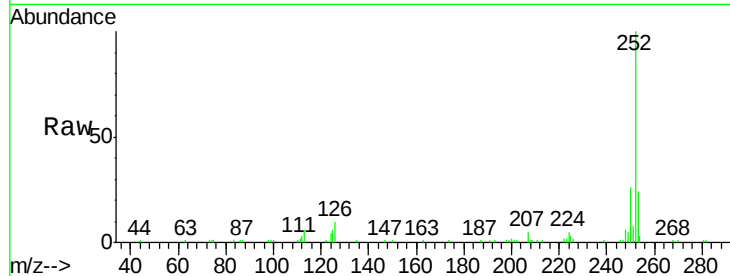
Tgt Ion:252 Resp: 97370

Ion Ratio Lower Upper

252 100

253 23.9 16.7 25.1

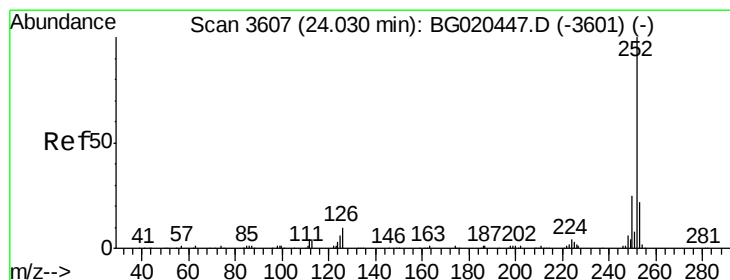
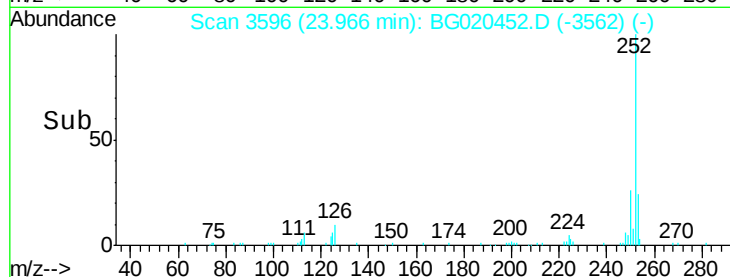
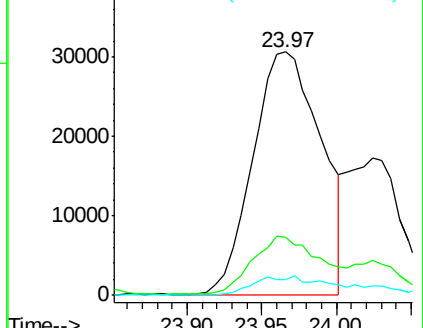
125 6.2 6.2 9.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 9.51 ng/ul

RT: 23.97 min Scan# 3596

Delta R.T. -0.06 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

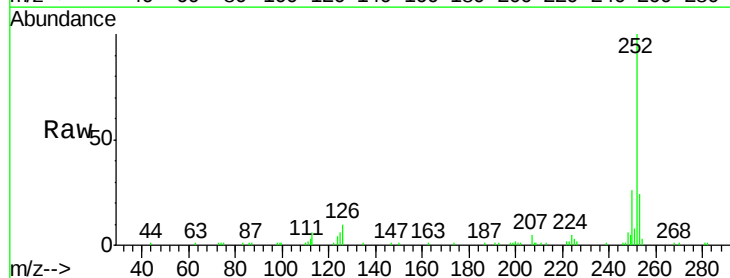
Tgt Ion:252 Resp: 97370

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

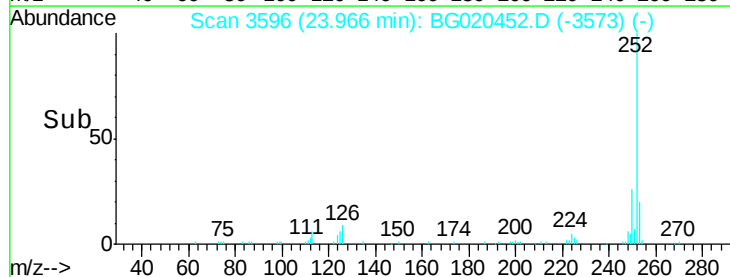
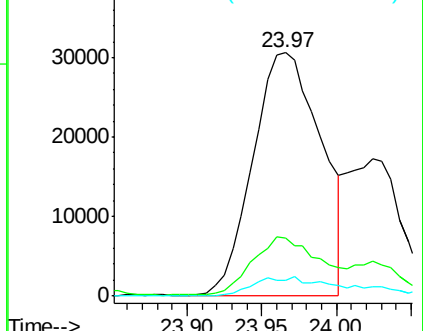
125 6.2 5.8 8.6

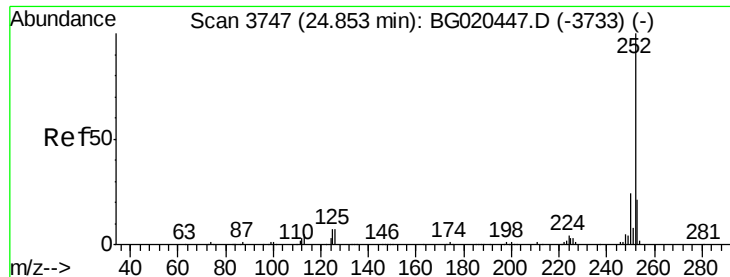


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 5.56 ng/ul

RT: 24.85 min Scan# 3746

Delta R.T. -0.01 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

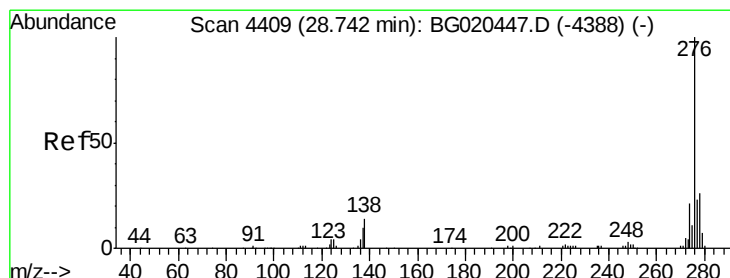
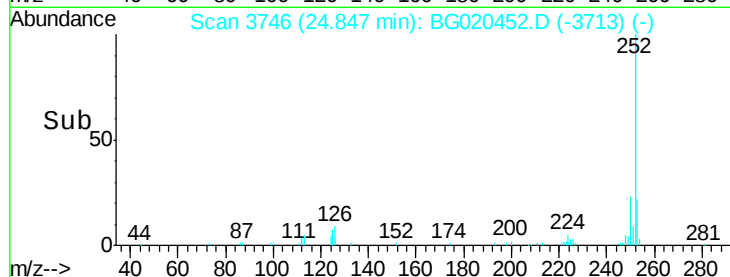
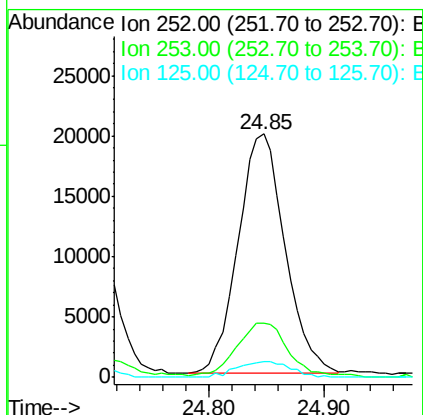
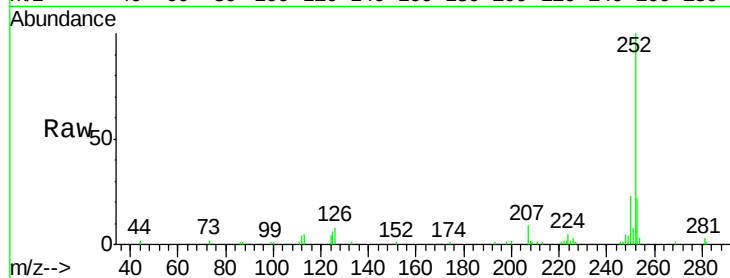
Instrument :

BNA_G

ClientSampleId :

D9N54DL

Tgt Ion:	252	Resp:	56207
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.4
125	6.3	6.2	9.4



#92

Indeno(1,2,3-cd)pyrene

Concen: 1.19 ng/ul

RT: 28.72 min Scan# 4406

Delta R.T. -0.02 min

Lab File: BG020452.D

Acq: 23 Dec 2015 20:46

Tgt Ion:	276	Resp:	14335
Ion Ratio	Lower	Upper	
276	100		
138	12.0	11.4	17.0
277	20.0	17.4	26.0

