

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG041516\
 Data File : BG021708.D
 Acq On : 16 Apr 2016 8:47
 Operator : UM/SJ
 Sample : H2558-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-13-7.5-8

Quant Time: Apr 18 01:12:01 2016
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG041316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 15:48:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.22	152	31592	20.00	ng	0.00
21) Naphthalene-d8	11.04	136	128435	20.00	ng	0.00
38) Acenaphthene-d10	14.84	164	88101	20.00	ng	0.01
63) Phenanthrene-d10	17.58	188	168386	20.00	ng	0.01
75) Chrysene-d12	21.84	240	195027	20.00	ng	0.00
86) Perylene-d12	25.17	264	198116	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	287227	151.40	ng	0.01
7) Phenol-d6	7.38	99	398094	140.48	ng	0.02
23) Nitrobenzene-d5	9.39	82	288314	115.38	ng	0.00
41) 2,4,6-Tribromophenol	16.32	330	162355	170.99	ng	0.01
44) 2-Fluorobiphenyl	13.46	172	585087	97.30	ng	0.00
78) Terphenyl-d14	20.16	244	802840	102.72	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	7.36	77	36841	22.48	ng	# 1
18) Hexachloroethane	9.33	117	142769	151.71	ng	# 1
19) n-Nitroso-di-n-propylamine	8.98	70	30207	13.72	ng	# 49
22) Acetophenone	9.03	105	334343	93.46	ng	# 52
24) Nitrobenzene	9.41	77	24381	9.11	ng	# 16
25) Isophorone	9.96	82	107052	19.57	ng	# 1
26) 2-Nitrophenol	10.14	139	5801	5.68	ng	# 1
28) bis(2-Chloroethoxy)methane	10.47	93	22523	7.75	ng	# 1
29) 2,4-Dichlorophenol	10.69	162	4066	2.06	ng	# 11
31) Naphthalene	11.10	128	331592	48.24	ng	# 83
32) Benzoic acid	10.31	122	299	4.53	ng	# 1
33) 4-Chloroaniline	11.15	127	17953	6.03	ng	# 1
35) Caprolactam	11.94	113	17669	19.52	ng	# 1
37) 2-Methylnaphthalene	12.69	142	453255	96.06	ng	95
45) 1,1'-Biphenyl	13.67	154	125977	16.97	ng	97
49) Dimethylphthalate	14.27	163	58383	7.66	ng	# 75
51) Acenaphthene	14.90	154	15693	2.71	ng	# 15
52) 3-Nitroaniline	14.74	138	3716	2.31	ng	# 68
53) 2,4-Dinitrophenol	14.92	184	914	8.94	ng	# 1
55) 4-Nitrophenol	15.05	139	14911	10.81	ng	# 26
57) Fluorene	15.88	166	37806	5.34	ng	# 58
64) 4,6-Dinitro-2-methylphenol	15.92	198	825	6.44	ng	# 1
65) n-Nitrosodiphenylamine	16.08	169	119360	23.63	ng	# 51
68) Atrazine	17.02	200	17239	8.64	ng	71
70) Phenanthrene	17.62	178	93016	10.02	ng	# 88
74) Fluoranthene	19.61	202	100230	9.04	ng	95
77) Pyrene	19.97	202	151029	13.43	ng	# 96
80) Benzo(a)anthracene	21.82	228	50726	4.52	ng	# 91
82) Chrysene	21.88	228	44908	4.16	ng	# 91
85) Indeno(1,2,3-cd)pyrene	28.97	276	34445	2.69	ng	# 85
87) Benzo(b)fluoranthene	24.10	252	64311	5.59	ng	# 87
88) Benzo(k)fluoranthene	24.10	252	64311	5.72	ng	# 88
89) Benzo(a)pyrene	25.01	252	46579	4.18	ng	# 84
91) Benzo(g,h,i)perylene	30.17	276	32020	2.92	ng	97

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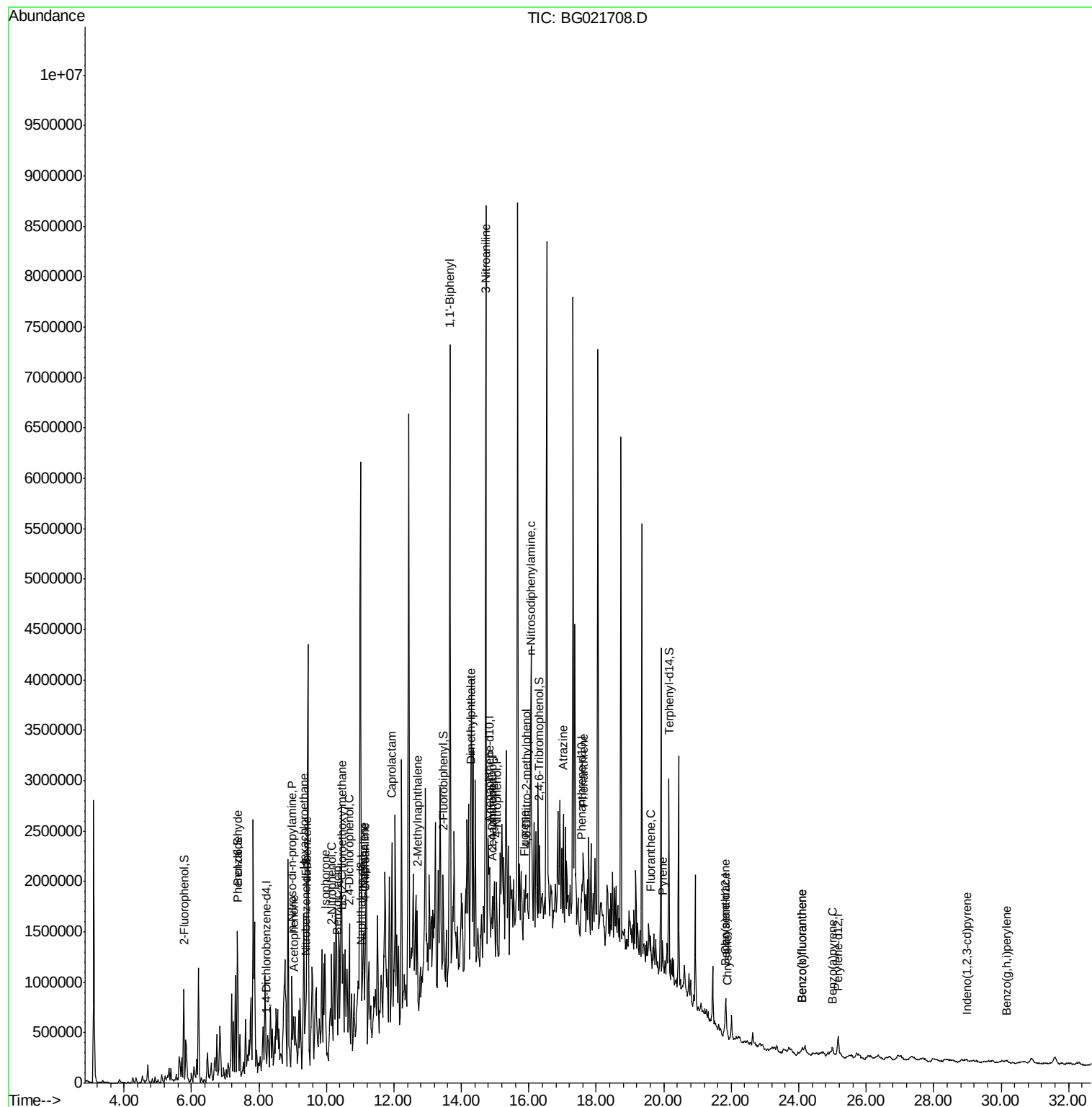
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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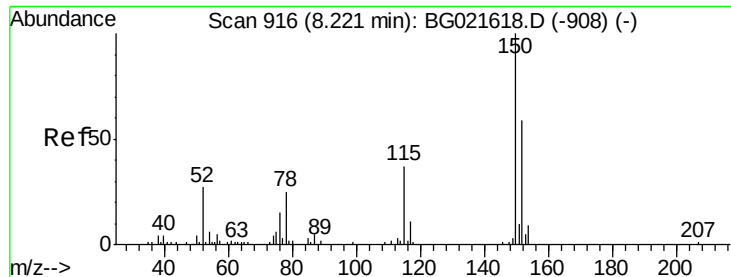
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

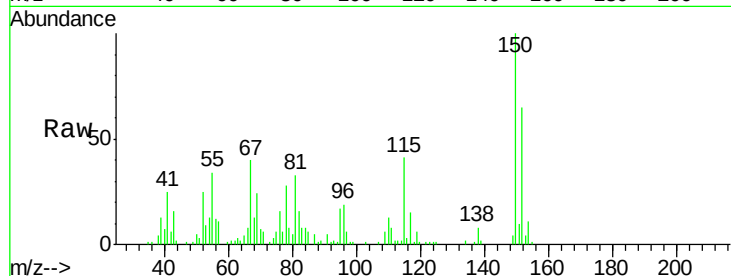
Tgt Ion:152 Resp: 31592

Ion Ratio Lower Upper

152 100

150 154.6 130.1 195.1

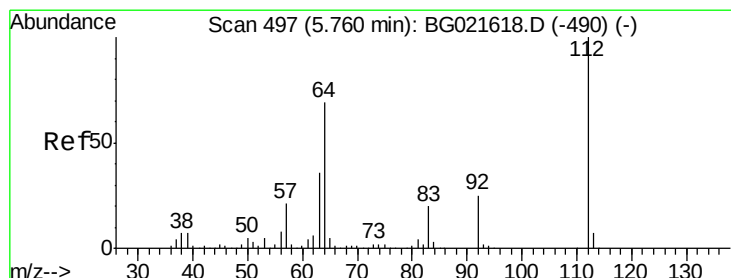
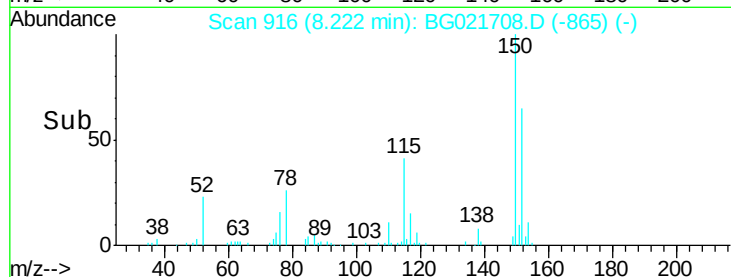
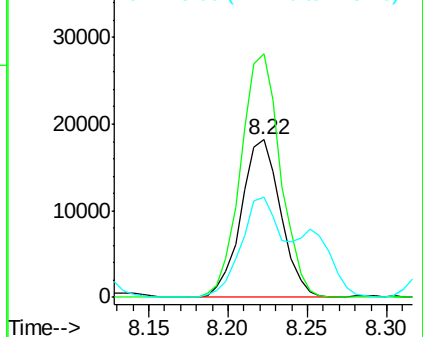
115 63.8 62.2 93.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 151.40 ng

RT: 5.77 min Scan# 499

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

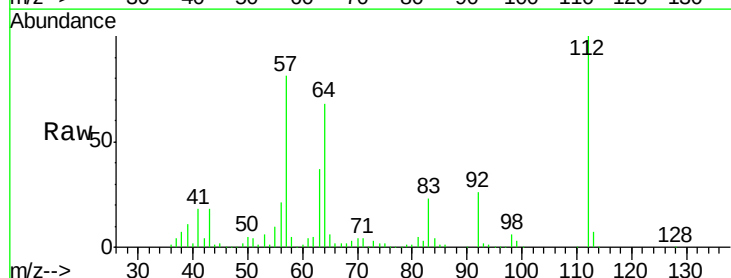
Tgt Ion:112 Resp: 287227

Ion Ratio Lower Upper

112 100

64 67.5 51.1 76.7

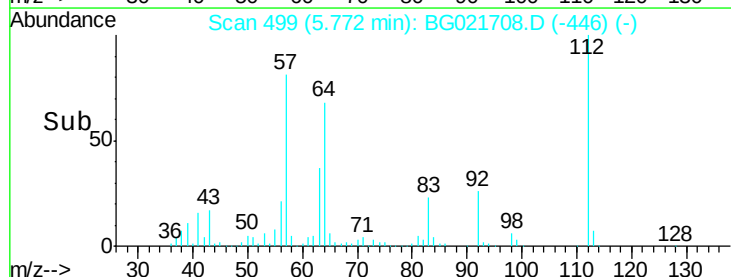
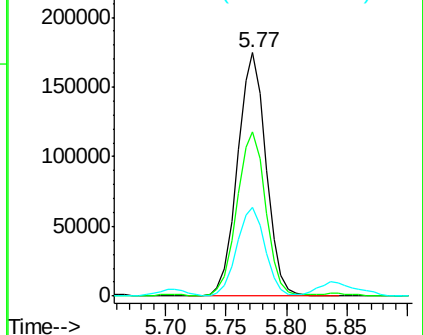
63 36.6 24.6 37.0

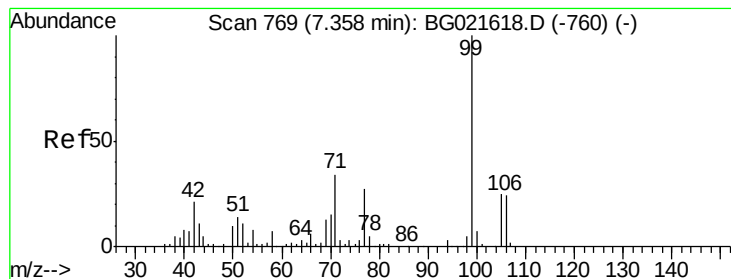


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 140.48 ng

RT: 7.38 min Scan# 772

Delta R.T. 0.02 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

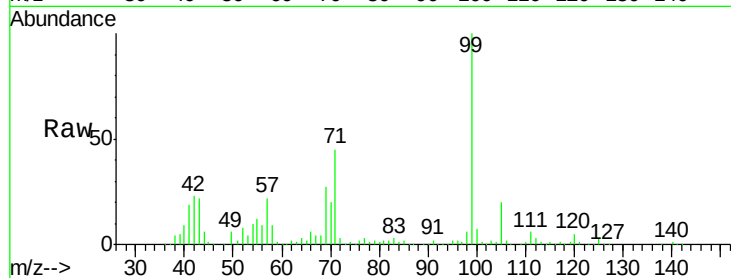
Tgt Ion: 99 Resp: 398094

Ion Ratio Lower Upper

99 100

42 23.3 16.4 24.6

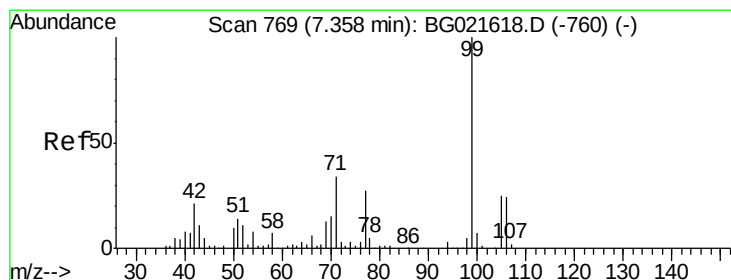
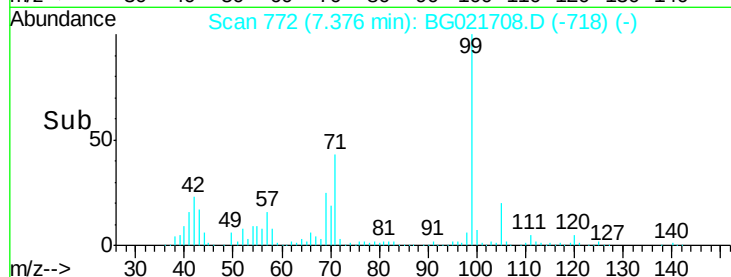
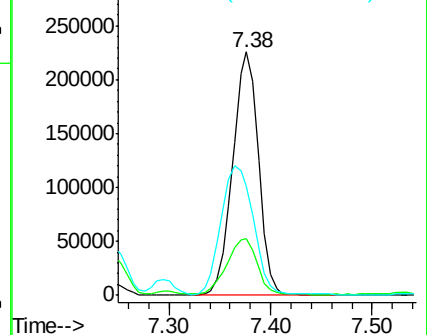
71 44.8 25.0 37.4#



Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#9

Benzaldehyde

Concen: 22.48 ng

RT: 7.36 min Scan# 769

Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

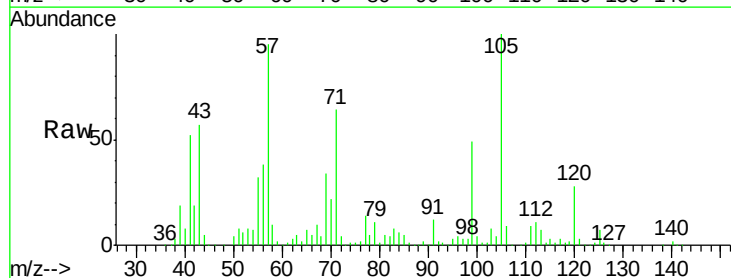
Tgt Ion: 77 Resp: 36841

Ion Ratio Lower Upper

77 100

105 735.9 62.1 102.1#

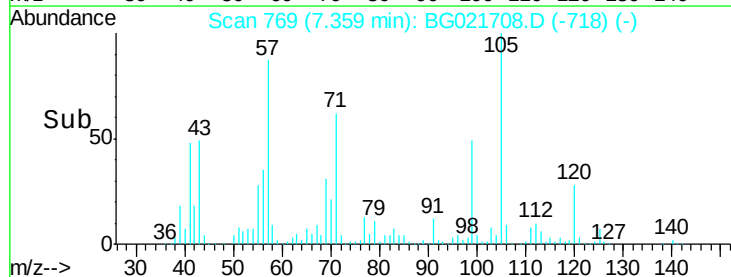
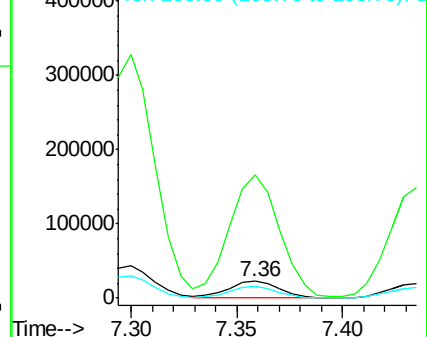
106 69.0 65.6 105.6

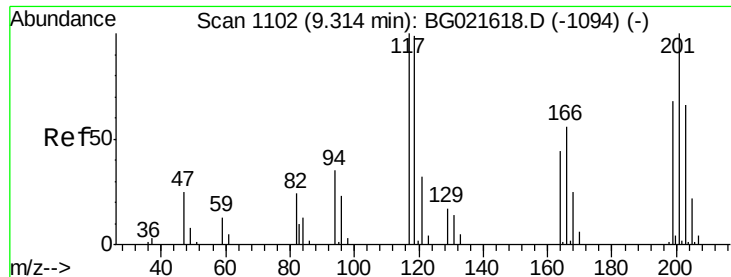


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC

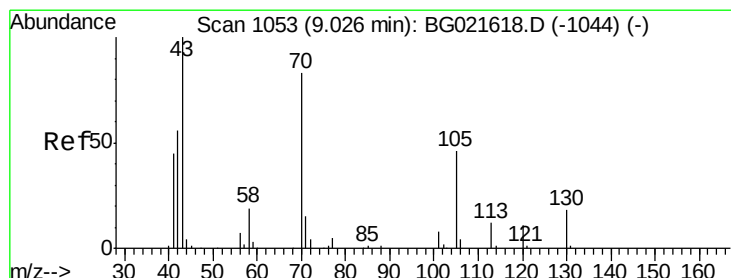
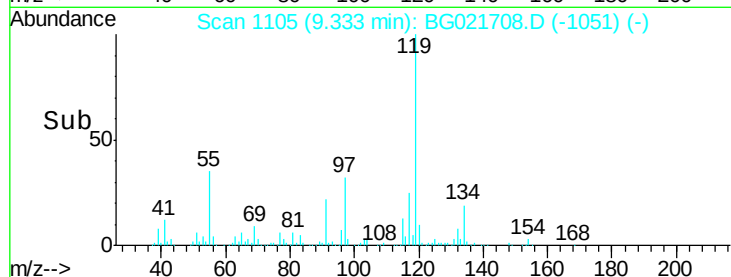
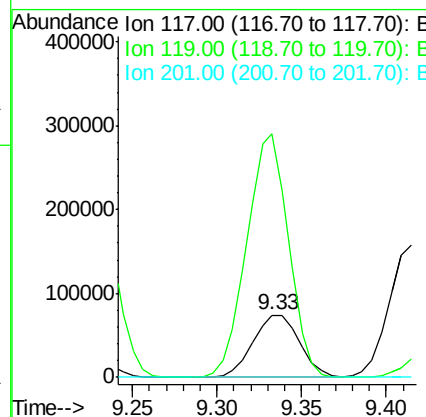
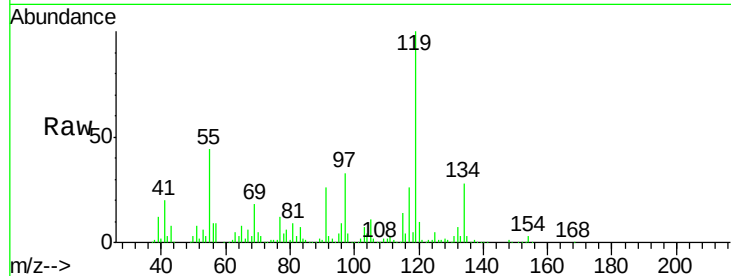




#18
Hexachloroethane
Concen: 151.71 ng
RT: 9.33 min Scan# 1105
Delta R.T. 0.02 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

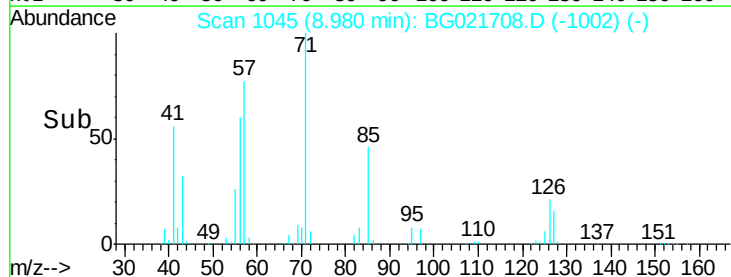
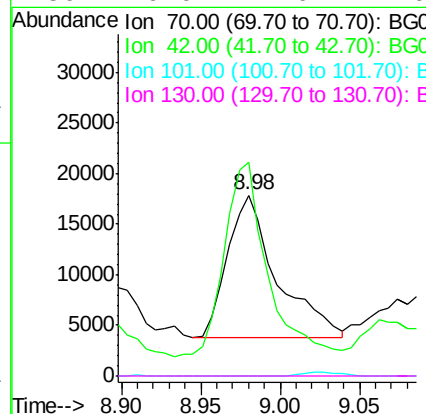
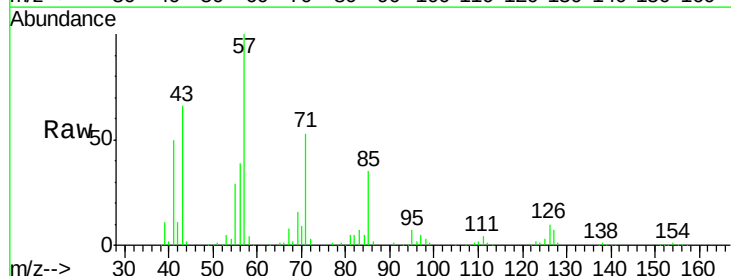
Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

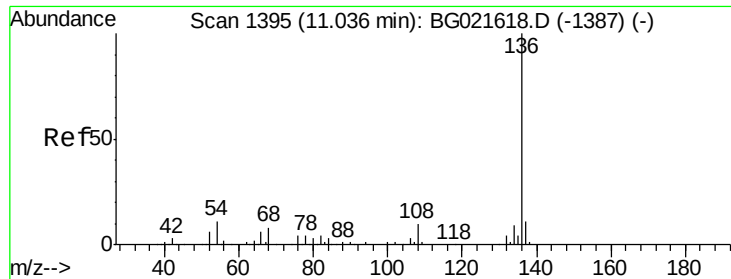
Tgt Ion: 117 Resp: 142769
Ion Ratio Lower Upper
117 100
119 389.7 63.9 95.9#
201 0.0 61.2 91.8#



#19
n-Nitroso-di-n-propylamine
Concen: 13.72 ng
RT: 8.98 min Scan# 1045
Delta R.T. -0.05 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion: 70 Resp: 30207
Ion Ratio Lower Upper
70 100
42 117.9 56.7 85.1#
101 0.0 8.2 12.4#
130 0.0 14.0 21.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 11.04 min Scan# 1396

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

Tgt Ion:136 Resp: 128435

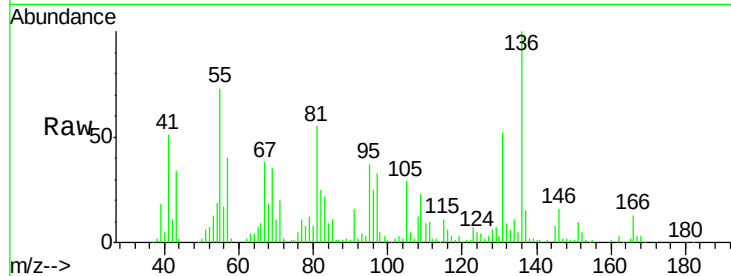
Ion Ratio Lower Upper

136 100

137 14.9 9.0 13.4#

54 19.0 9.6 14.4#

68 17.5 6.4 9.6#



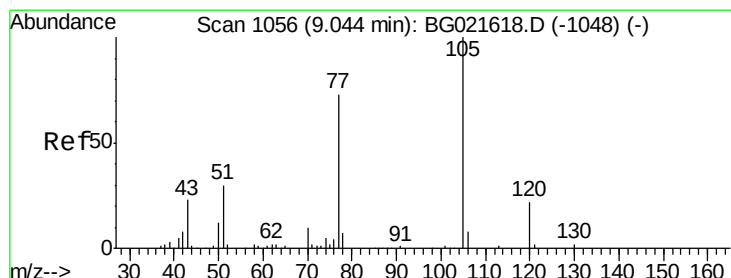
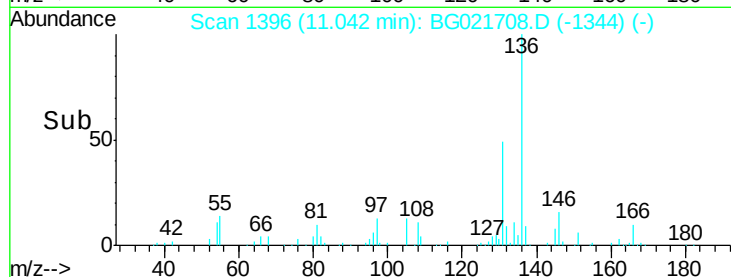
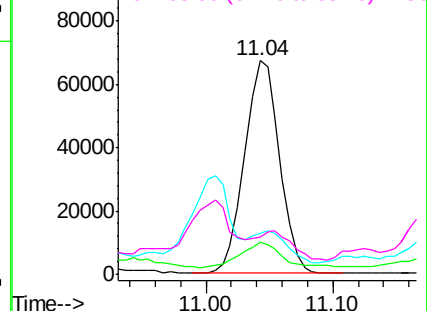
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 93.46 ng

RT: 9.03 min Scan# 1053

Delta R.T. -0.02 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:105 Resp: 334343

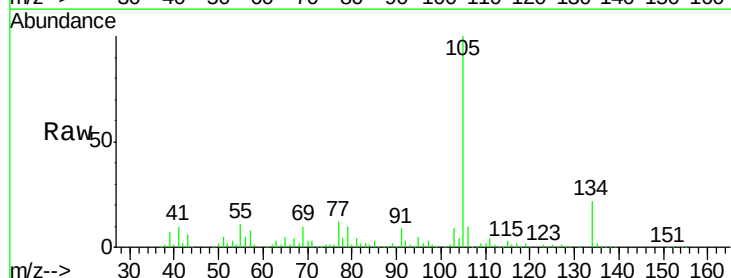
Ion Ratio Lower Upper

105 100

71 2.8 0.0 0.0#

51 4.5 25.7 38.5#

120 0.2 17.0 25.6#



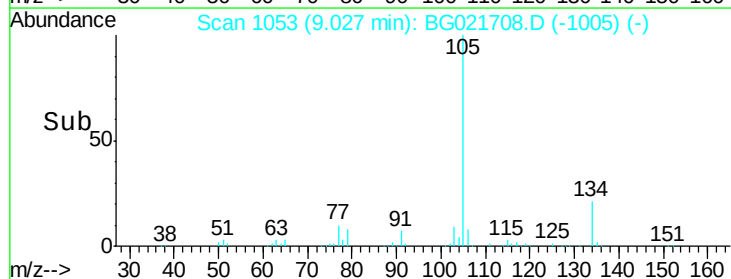
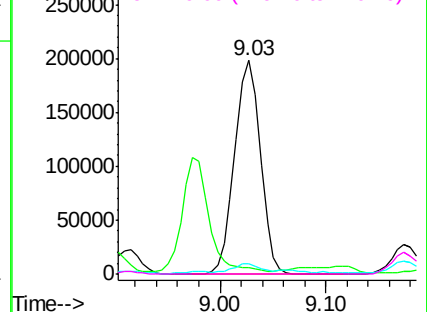
Abundance

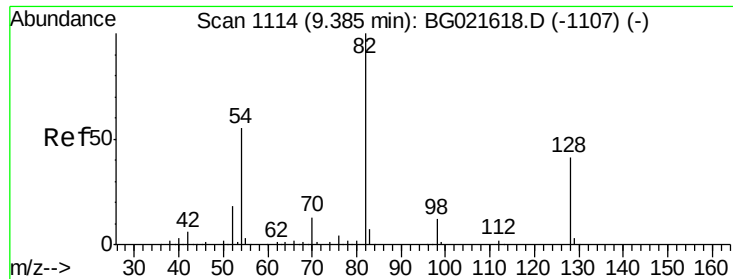
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E

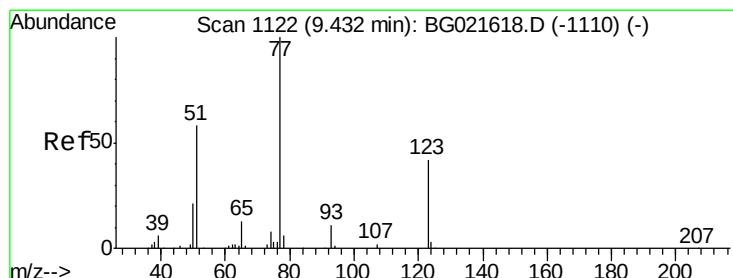
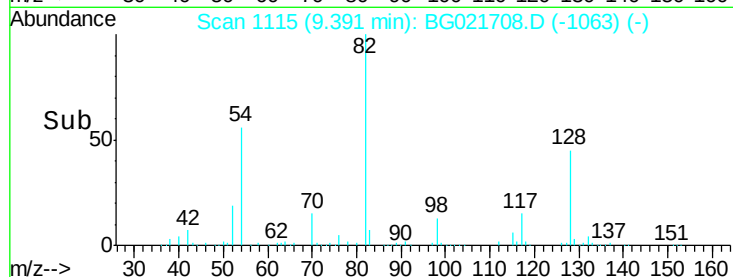
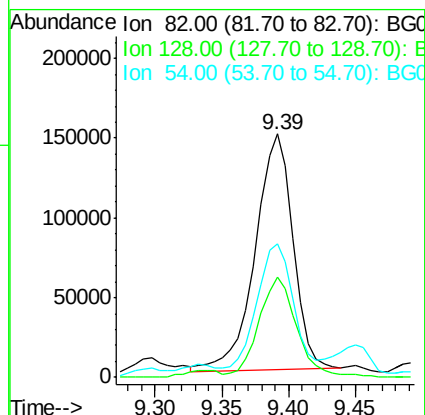
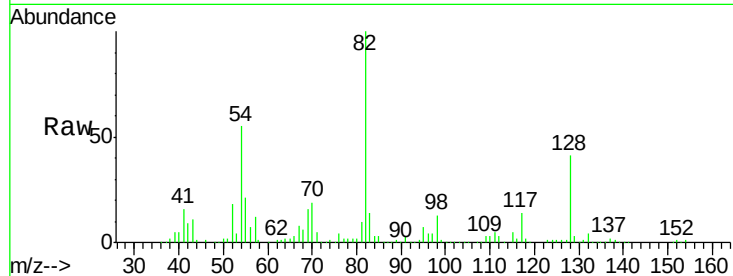




#23
 Nitrobenzene-d5
 Concen: 115.38 ng
 RT: 9.39 min Scan# 1115
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

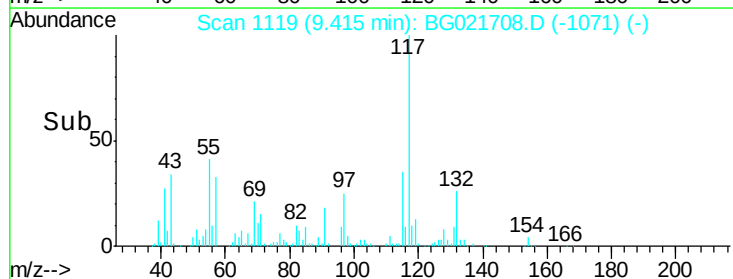
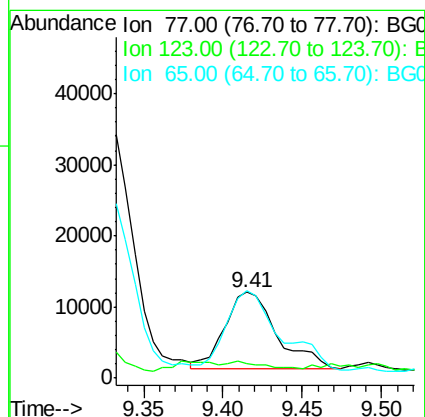
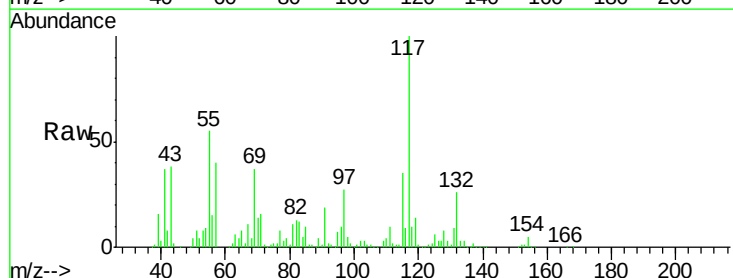
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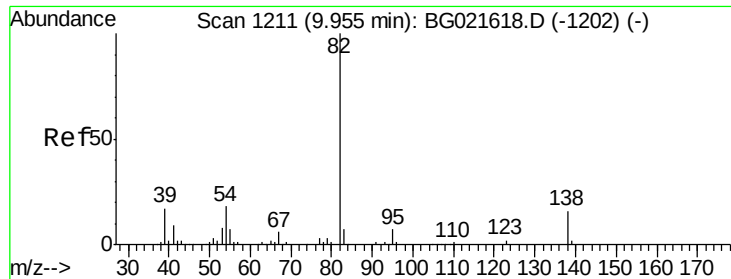
Tgt Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.4	50.0
54	55.0	46.1	69.1



#24
 Nitrobenzene
 Concen: 9.11 ng
 RT: 9.41 min Scan# 1119
 Delta R.T. -0.02 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

Tgt Ion	Ratio	Lower	Upper
77	100		
123	16.3	32.2	48.4#
65	101.6	10.3	15.5#





#25

Isophorone

Concen: 19.57 ng

RT: 9.96 min Scan# 1212

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

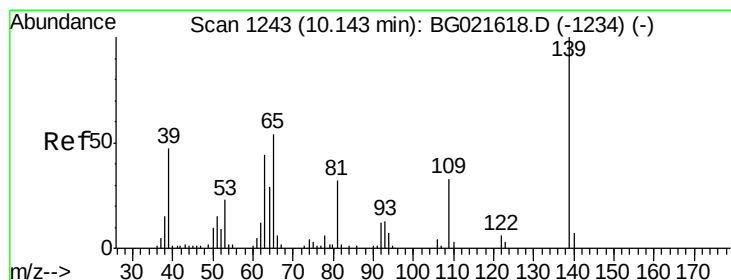
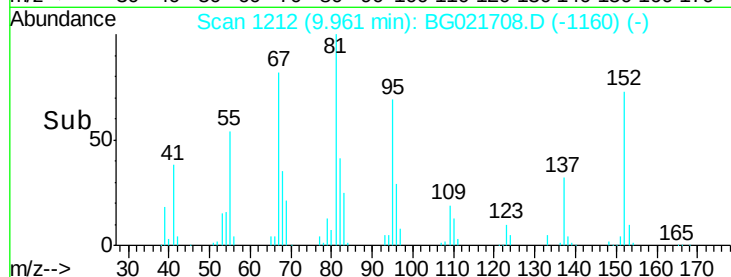
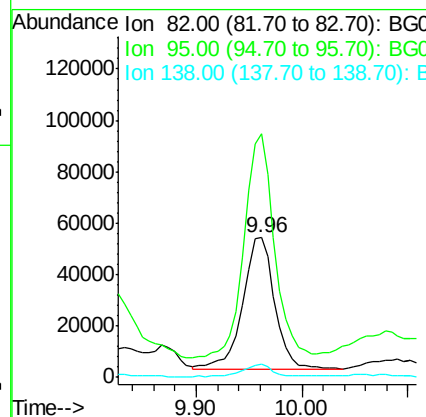
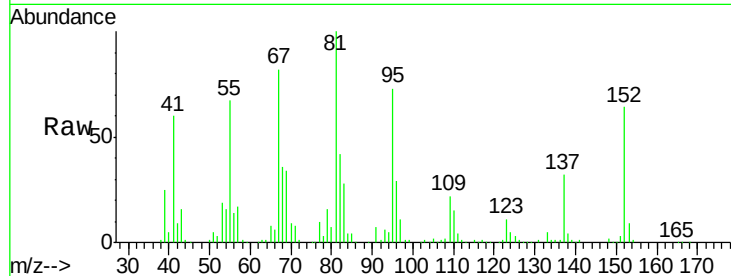
Tgt Ion: 82 Resp: 107052

Ion Ratio Lower Upper

82 100

95 174.6 6.0 9.0#

138 9.0 13.4 20.0#



#26

2-Nitrophenol

Concen: 5.68 ng

RT: 10.14 min Scan# 1243

Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

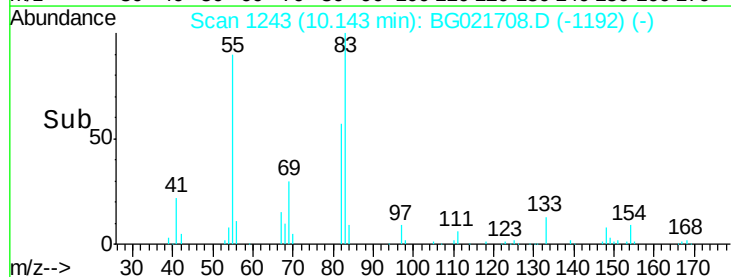
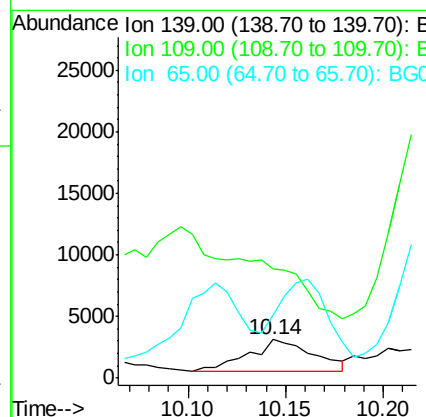
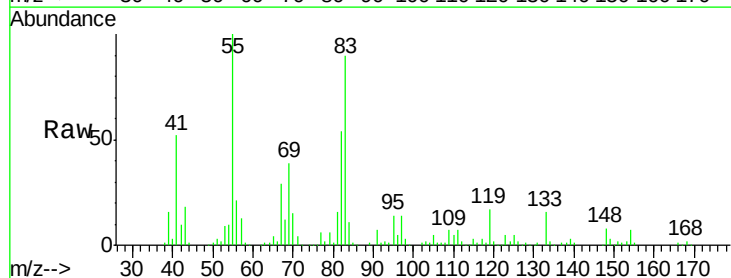
Tgt Ion: 139 Resp: 5801

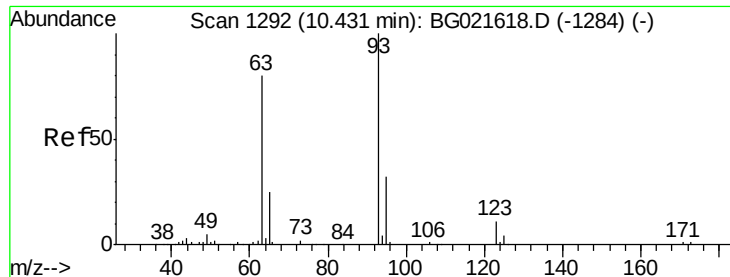
Ion Ratio Lower Upper

139 100

109 286.2 26.6 40.0#

65 164.5 45.3 67.9#

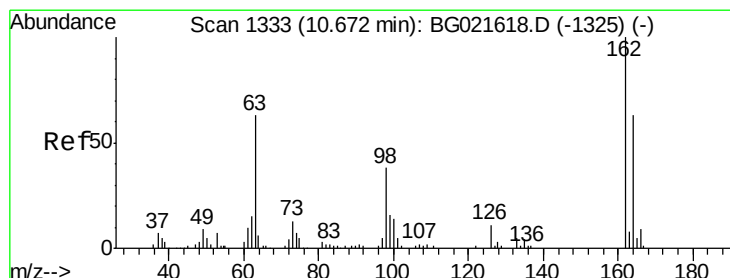
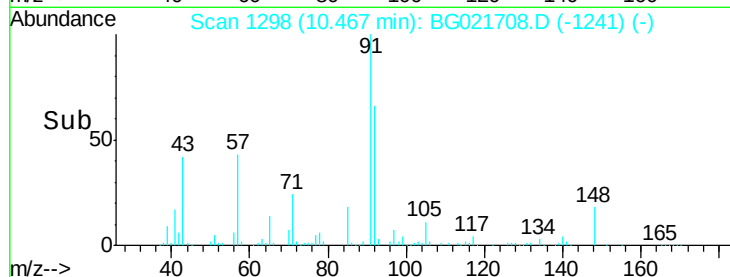
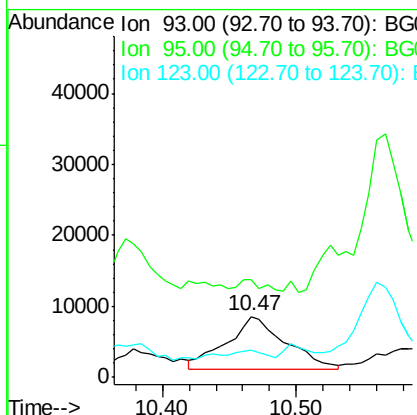
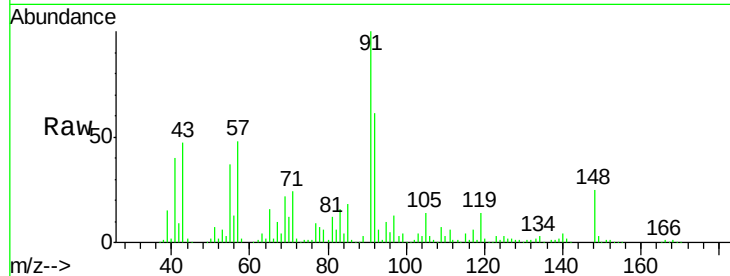




#28
bis(2-Chloroethoxy)methane
Concen: 7.75 ng
RT: 10.47 min Scan# 1298
Delta R.T. 0.04 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

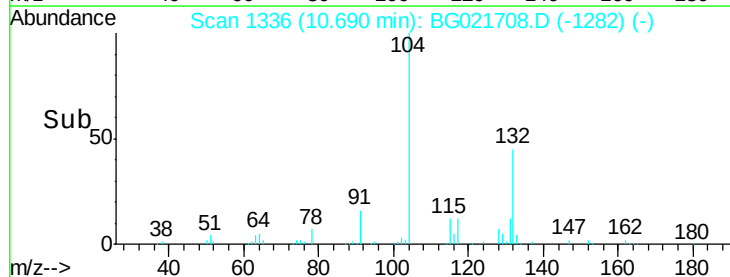
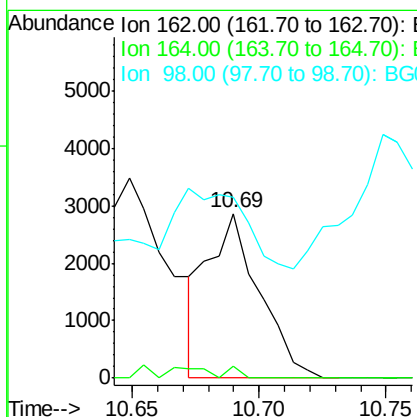
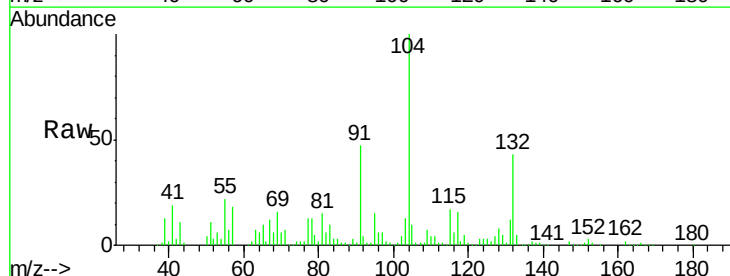
Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

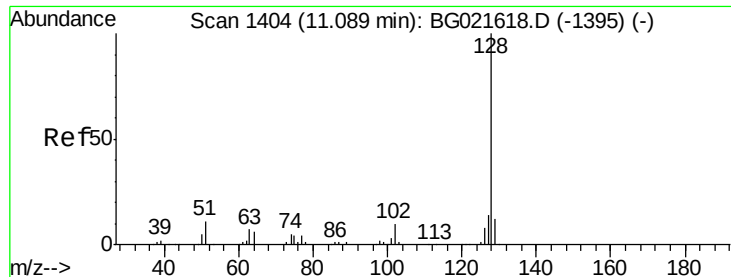
Tgt Ion: 93 Resp: 22523
Ion Ratio Lower Upper
93 100
95 161.1 30.1 45.1#
123 44.3 10.2 15.4#



#29
2,4-Dichlorophenol
Concen: 2.06 ng
RT: 10.69 min Scan# 1336
Delta R.T. 0.02 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion: 162 Resp: 4066
Ion Ratio Lower Upper
162 100
164 7.1 44.9 84.9#
98 109.7 19.2 59.2#

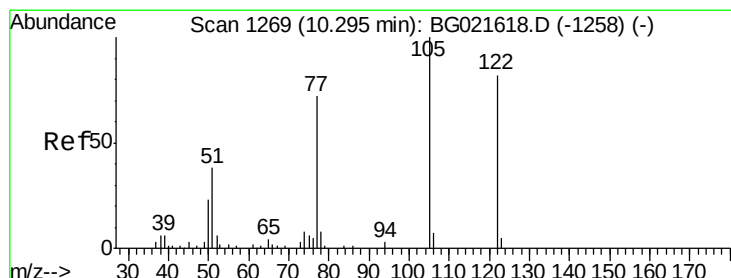
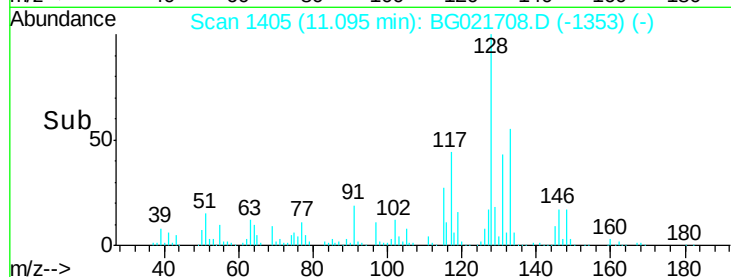
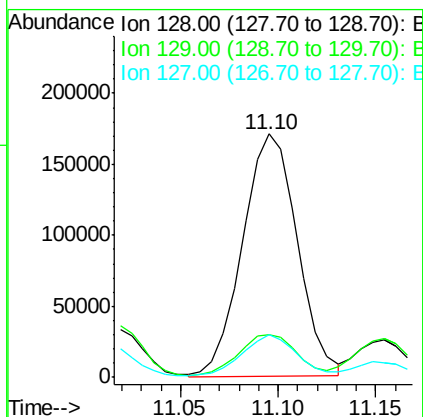
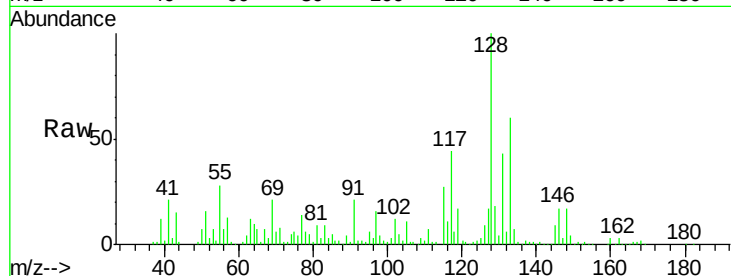




#31
Naphthalene
Concen: 48.24 ng
RT: 11.10 min Scan# 1405
Delta R.T. 0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

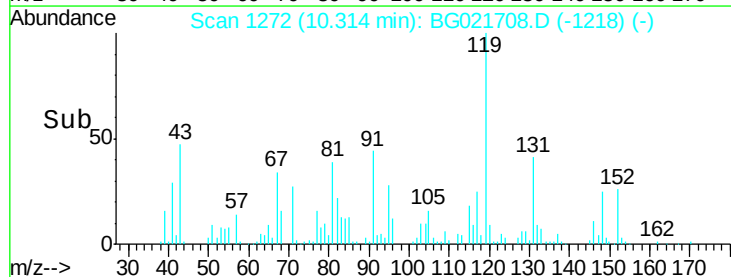
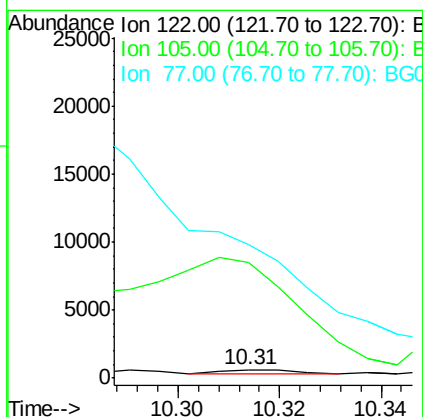
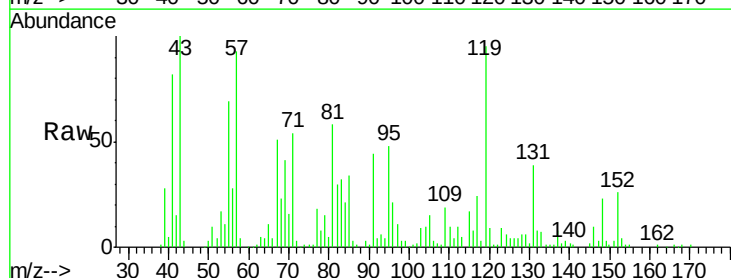
Instrument :
BNA_G
ClientSampled :
SB-13-7.5-8

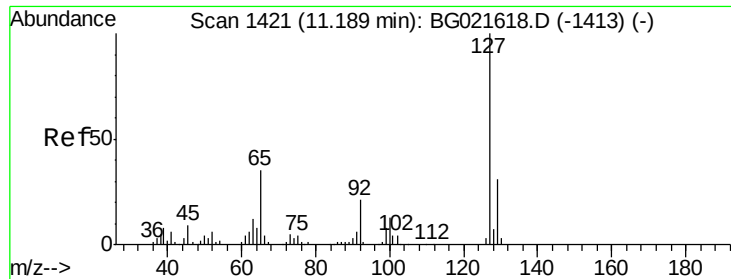
Tgt Ion:128 Resp: 331592
Ion Ratio Lower Upper
128 100
129 17.7 7.0 10.6#
127 17.4 10.1 15.1#



#32
Benzoic acid
Concen: 4.53 ng
RT: 10.31 min Scan# 1272
Delta R.T. 0.02 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion:122 Resp: 299
Ion Ratio Lower Upper
122 100
105 1425.3 104.5 144.5#
77 1659.9 79.9 119.9#

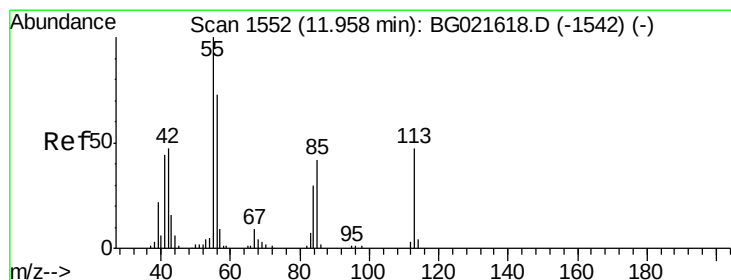
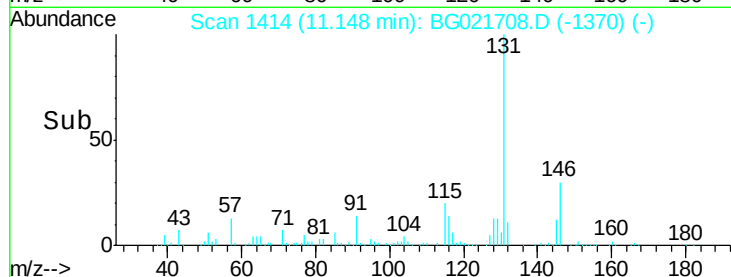
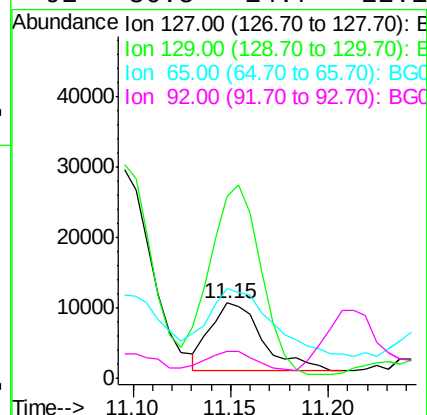
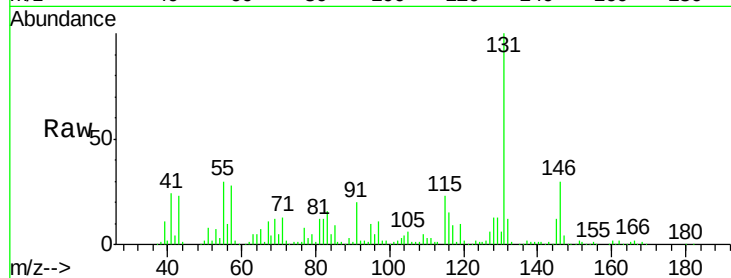




#33
4-Chloroaniline
Concen: 6.03 ng
RT: 11.15 min Scan# 1414
Delta R.T. -0.04 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

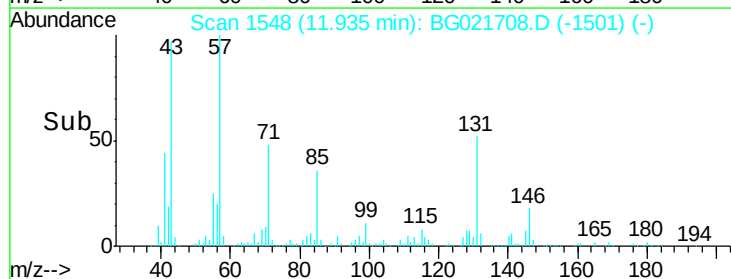
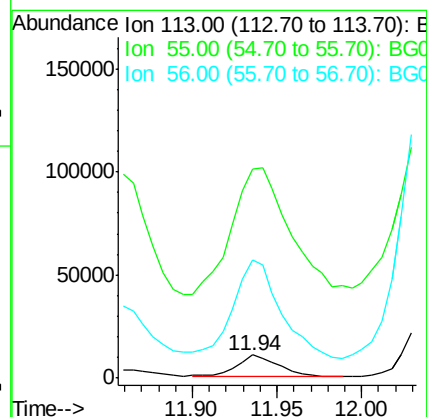
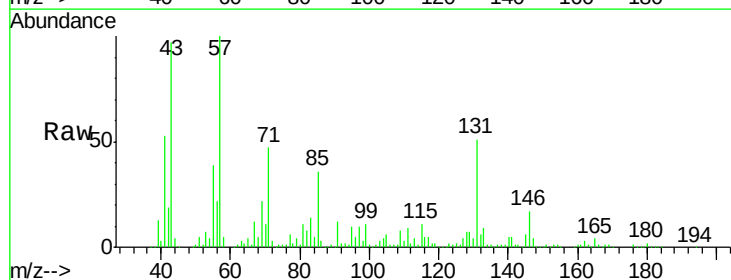
Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

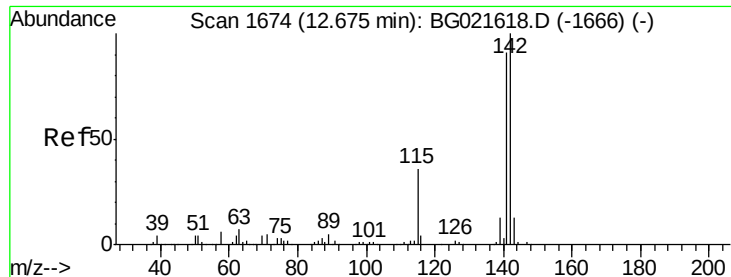
Tgt Ion:127 Resp: 17953
Ion Ratio Lower Upper
127 100
129 241.8 26.6 39.8#
65 119.0 27.5 41.3#
92 36.5 14.7 22.1#



#35
Caprolactam
Concen: 19.52 ng
RT: 11.94 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion:113 Resp: 17669
Ion Ratio Lower Upper
113 100
55 913.4 194.2 234.2#
56 518.4 122.6 162.6#

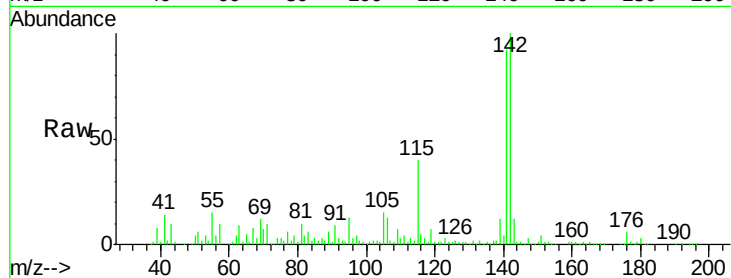




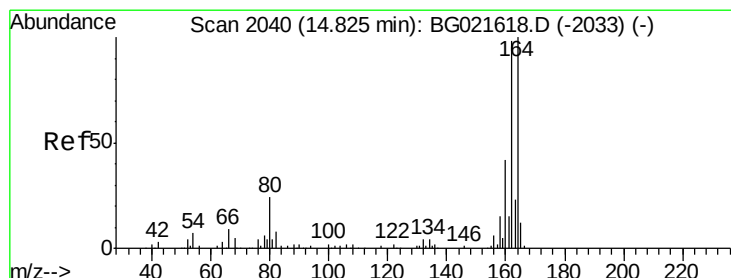
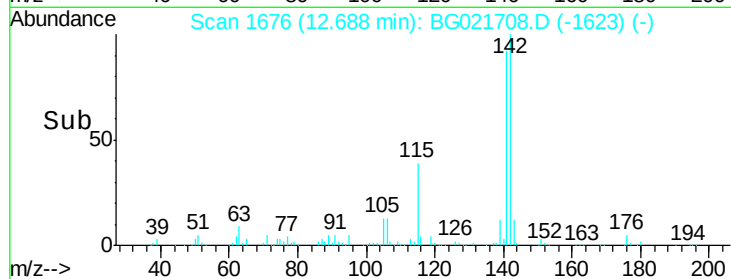
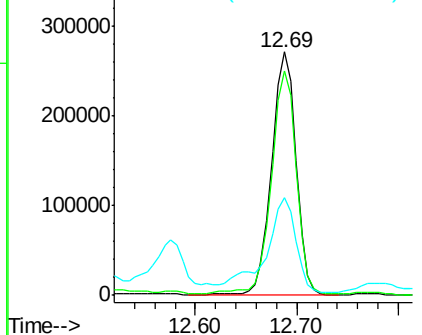
#37
2-Methylnaphthalene
Concen: 96.06 ng
RT: 12.69 min Scan# 1676
Delta R.T. 0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

Tgt Ion:142 Resp: 453255
Ion Ratio Lower Upper
142 100
141 91.9 71.4 107.0
115 40.3 27.4 41.2

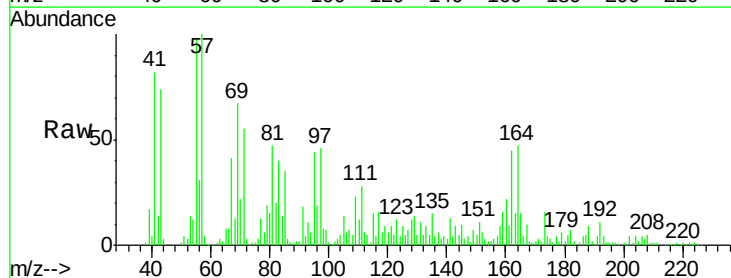


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

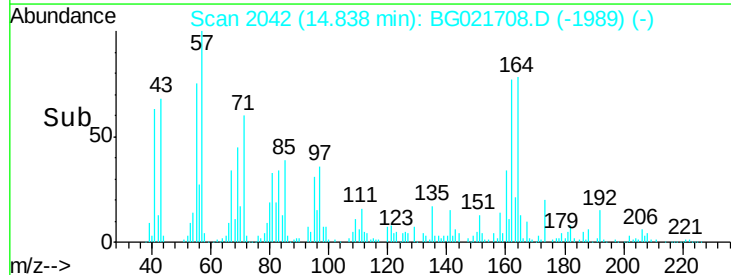
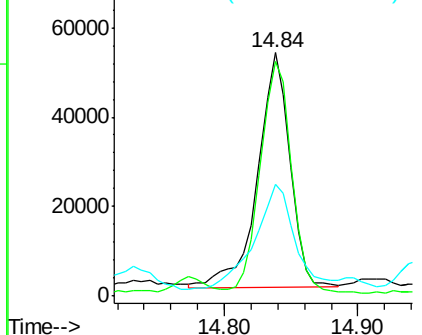


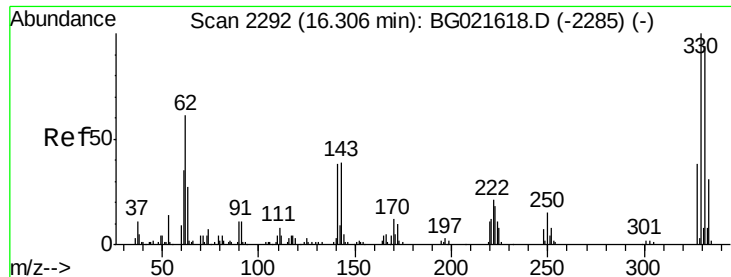
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.84 min Scan# 2042
Delta R.T. 0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion:164 Resp: 88101
Ion Ratio Lower Upper
164 100
162 96.5 78.0 117.0
160 46.1 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

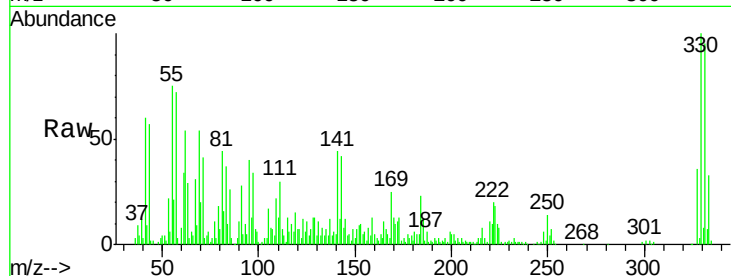




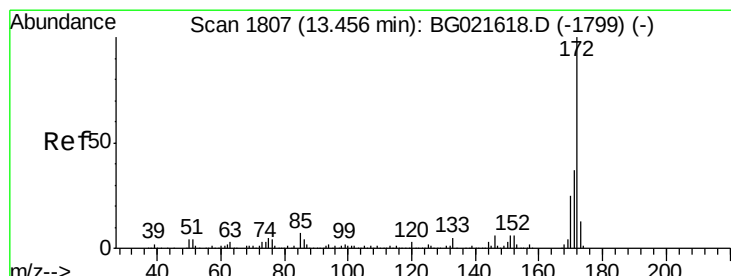
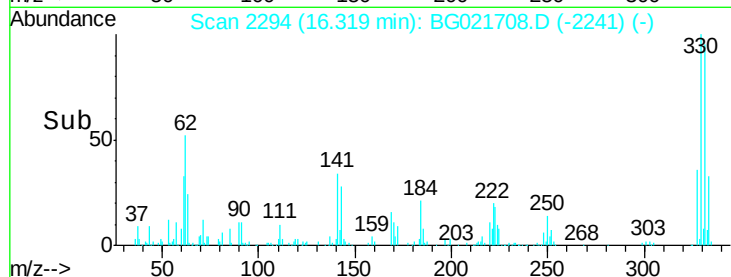
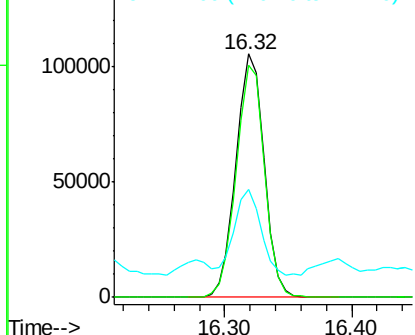
#41
 2,4,6-Tribromophenol
 Concen: 170.99 ng
 RT: 16.32 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

Instrument :
 BNA_G
 ClientSampled :
 SB-13-7.5-8

Tgt Ion:330 Resp: 162355
 Ion Ratio Lower Upper
 330 100
 332 95.7 78.0 117.0
 141 32.4 33.8 50.8#

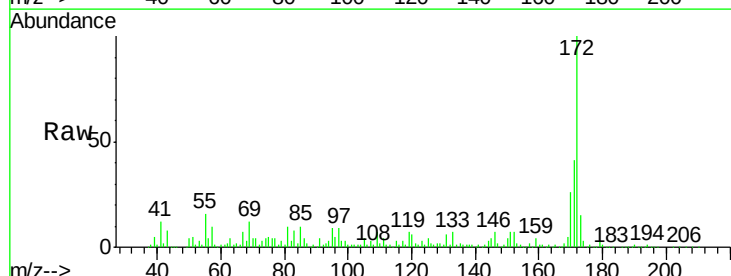


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

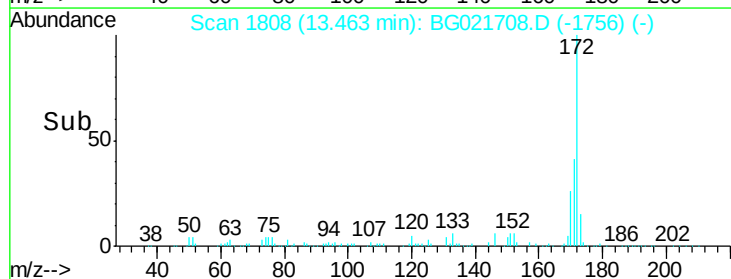
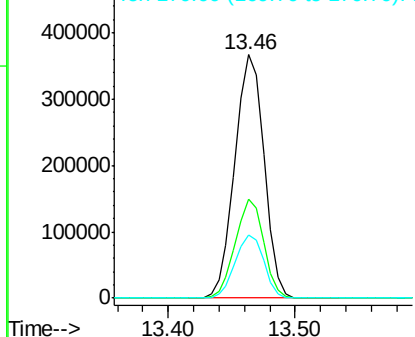


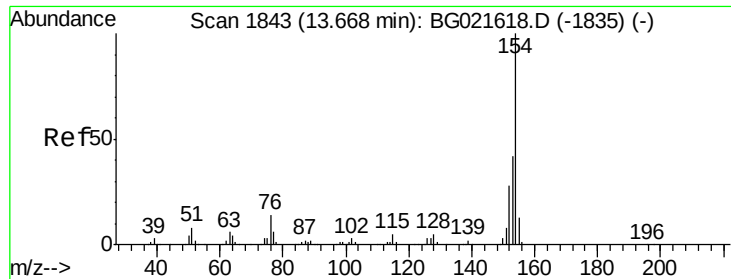
#44
 2-Fluorobiphenyl
 Concen: 97.30 ng
 RT: 13.46 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

Tgt Ion:172 Resp: 585087
 Ion Ratio Lower Upper
 172 100
 171 40.5 27.8 41.6
 170 25.8 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 16.97 ng

RT: 13.67 min Scan# 1844

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

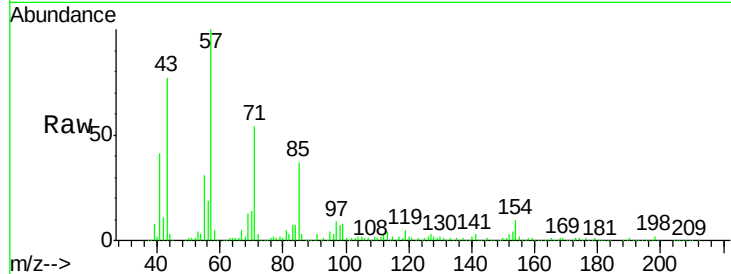
Tgt Ion:154 Resp: 125977

Ion Ratio Lower Upper

154 100

153 41.8 19.7 59.7

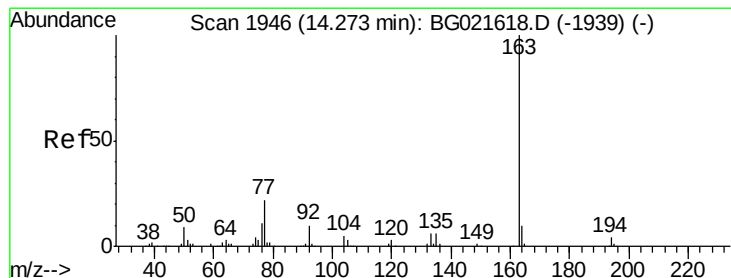
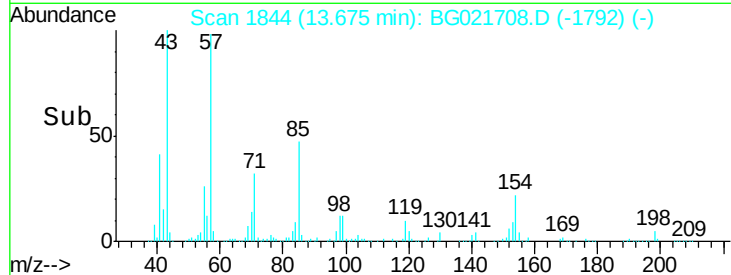
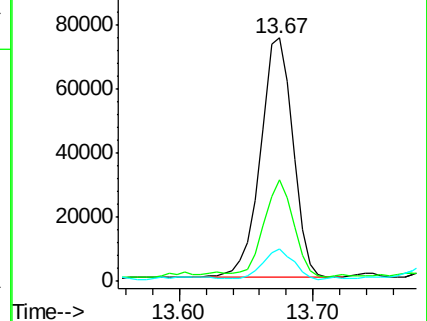
76 13.4 0.0 33.0



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): BGC



#49

Dimethylphthalate

Concen: 7.66 ng

RT: 14.27 min Scan# 1946

Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

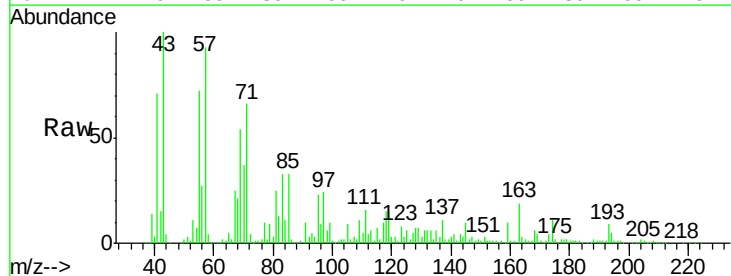
Tgt Ion:163 Resp: 58383

Ion Ratio Lower Upper

163 100

194 26.1 3.0 4.6#

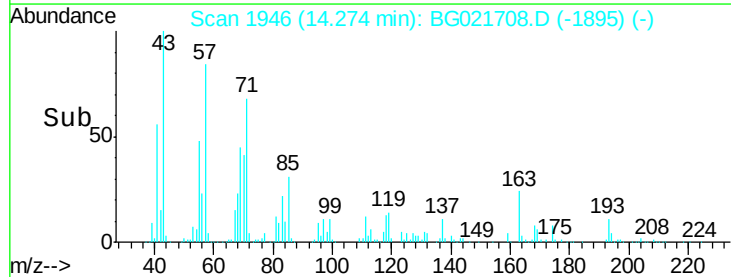
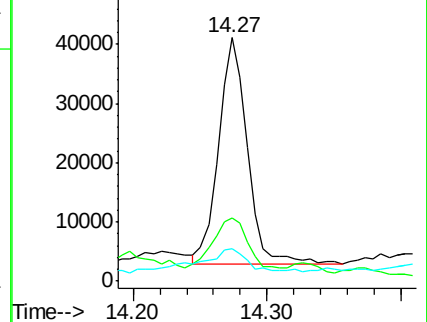
164 13.2 8.1 12.1#

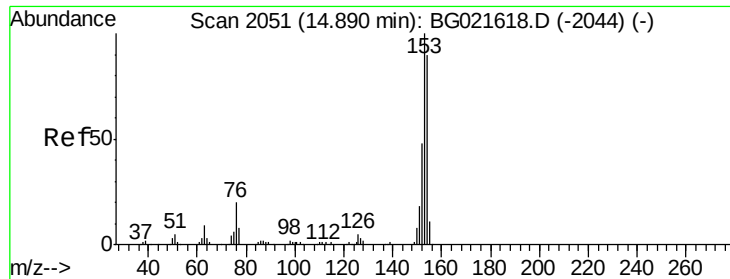


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.71 ng

RT: 14.90 min Scan# 2053

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

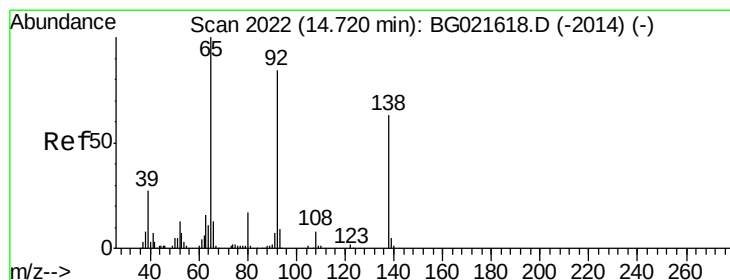
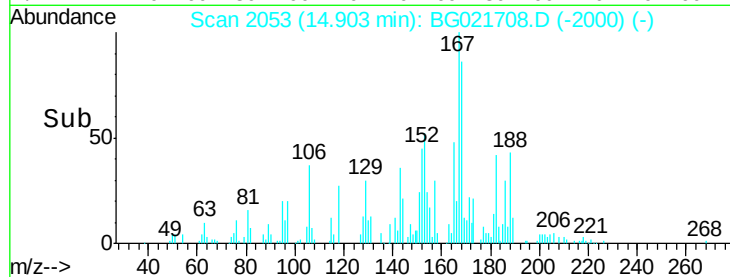
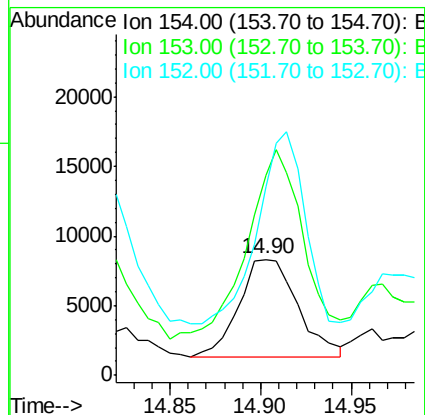
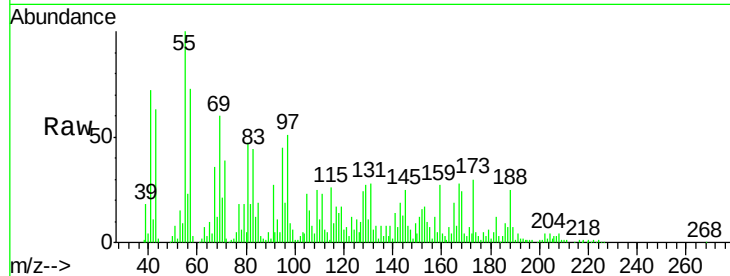
Tgt Ion:154 Resp: 15693

Ion Ratio Lower Upper

154 100

153 172.2 91.9 137.9#

152 162.6 42.0 63.0#



#52

3-Nitroaniline

Concen: 2.31 ng

RT: 14.74 min Scan# 2025

Delta R.T. 0.02 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

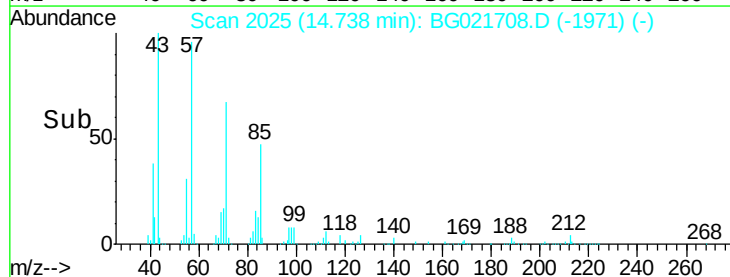
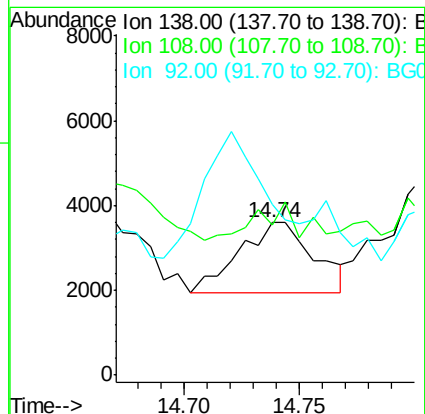
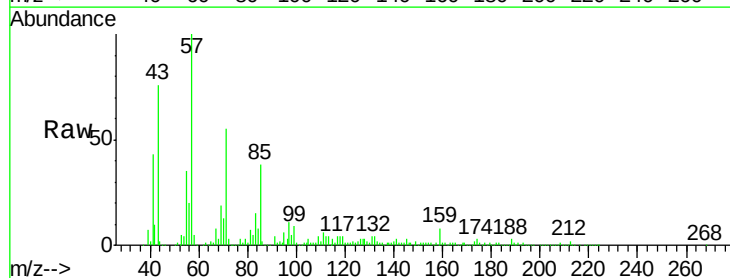
Tgt Ion:138 Resp: 3716

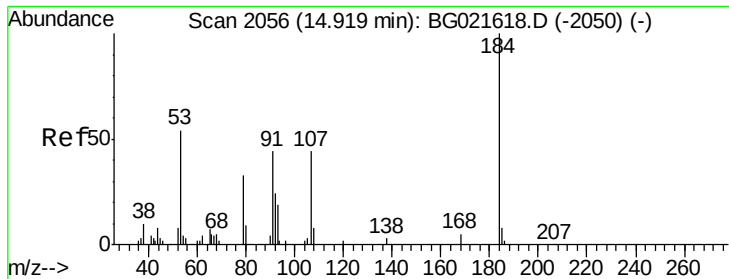
Ion Ratio Lower Upper

138 100

108 98.4 9.1 13.7#

92 111.9 102.6 154.0

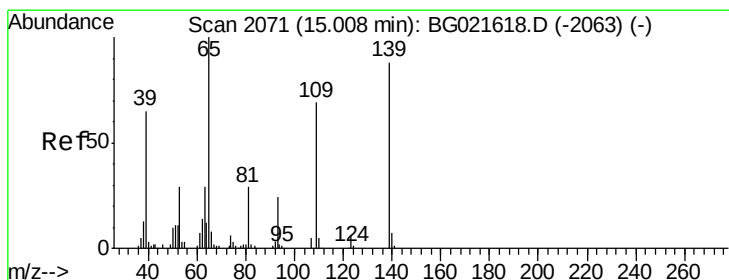
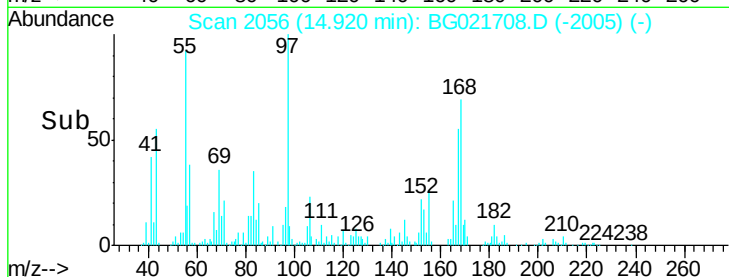
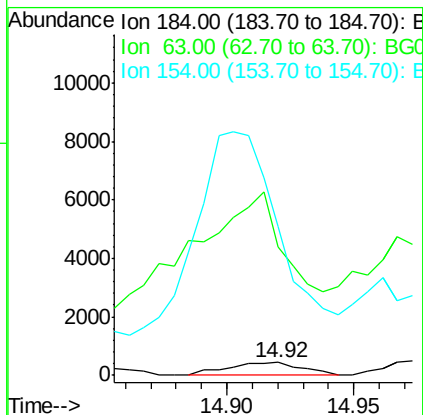
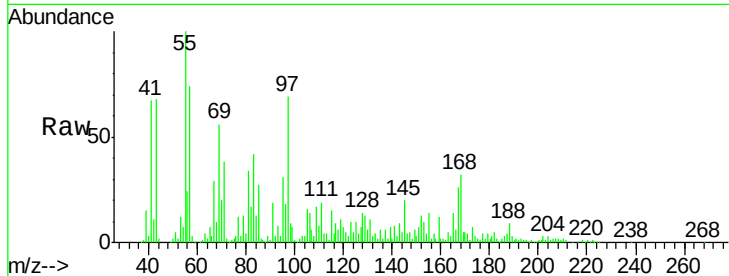




#53
2,4-Dinitrophenol
Concen: 8.94 ng
RT: 14.92 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

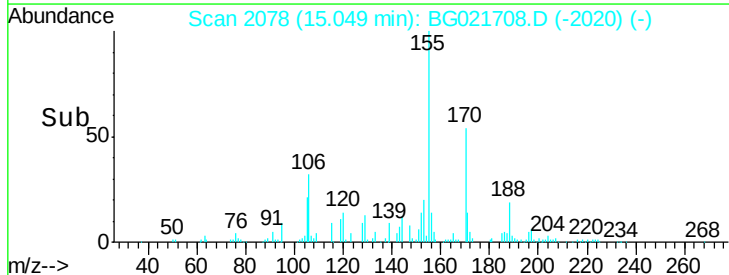
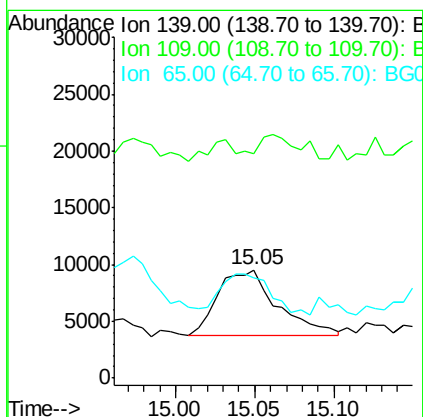
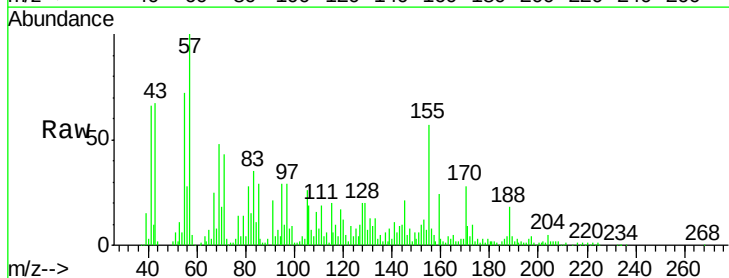
Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

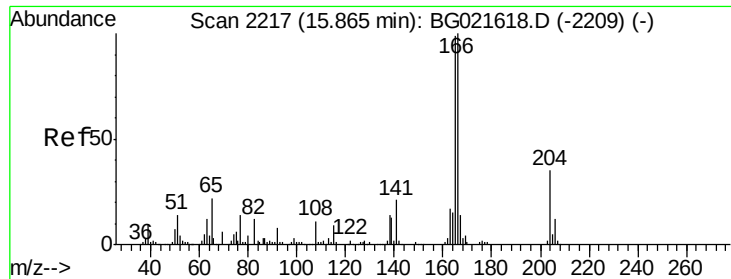
Tgt Ion:184 Resp: 914
Ion Ratio Lower Upper
184 100
63 994.4 57.3 85.9#
154 1153.0 55.2 82.8#



#55
4-Nitrophenol
Concen: 10.81 ng
RT: 15.05 min Scan# 2078
Delta R.T. 0.04 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion:139 Resp: 14911
Ion Ratio Lower Upper
139 100
109 207.0 49.2 89.2#
65 92.3 83.2 123.2

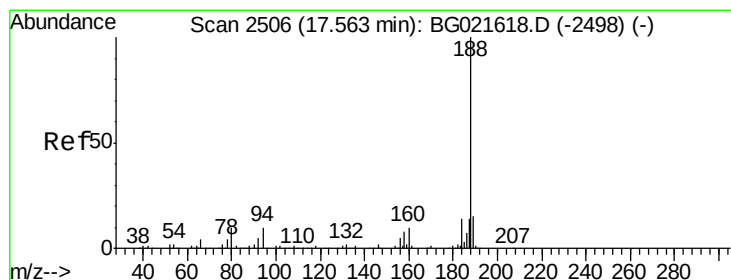
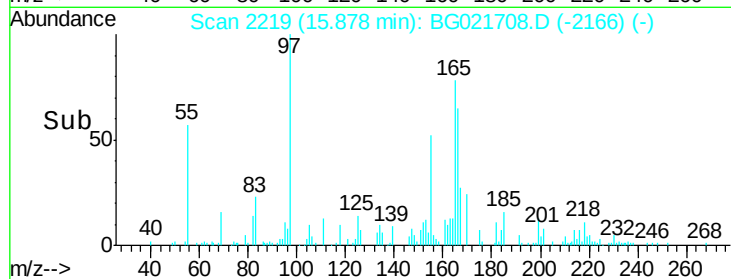
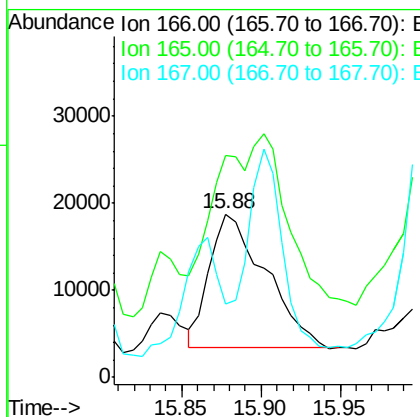
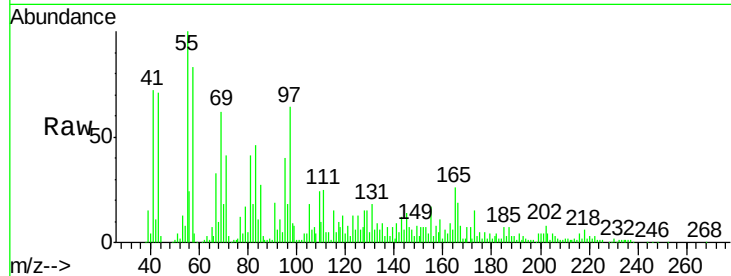




#57
 Fluorene
 Concen: 5.34 ng
 RT: 15.88 min Scan# 2219
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

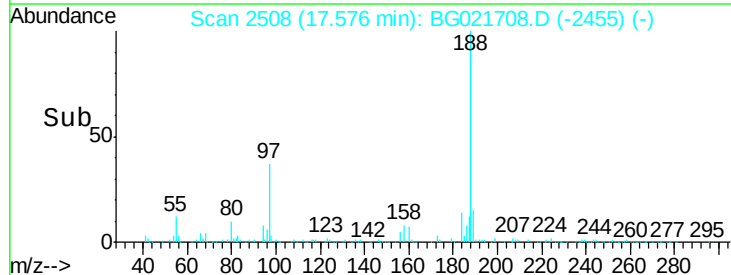
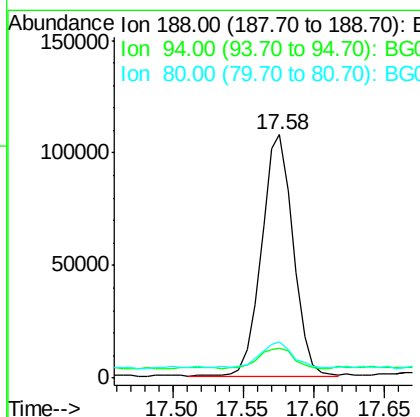
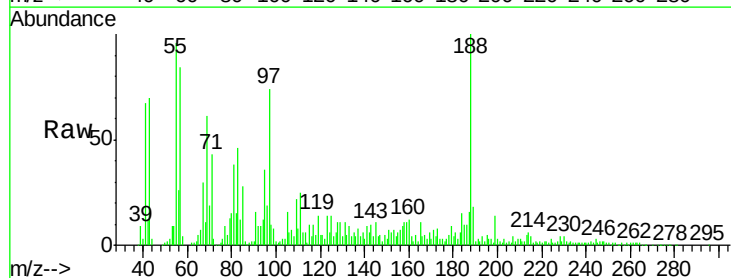
Instrument :
 BNA_G
 ClientSampleId :
 SB-13-7.5-8

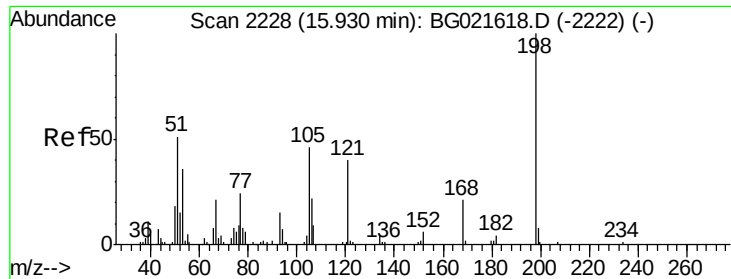
Tgt Ion:166 Resp: 37806
 Ion Ratio Lower Upper
 166 100
 165 136.0 79.0 118.4#
 167 44.9 10.7 16.1#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 17.58 min Scan# 2508
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

Tgt Ion:188 Resp: 168386
 Ion Ratio Lower Upper
 188 100
 94 12.0 7.5 11.3#
 80 14.7 8.6 13.0#

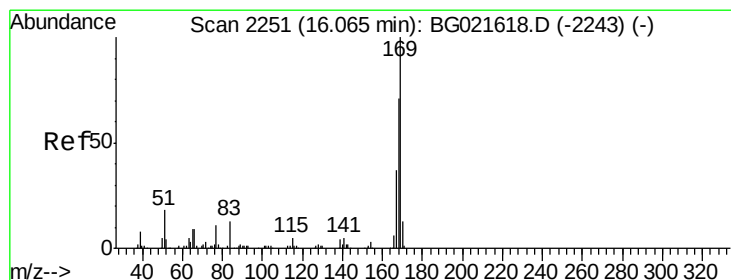
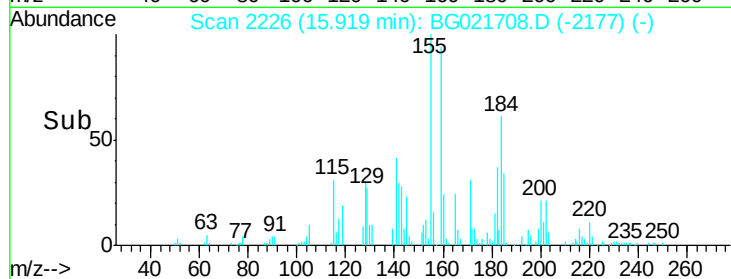
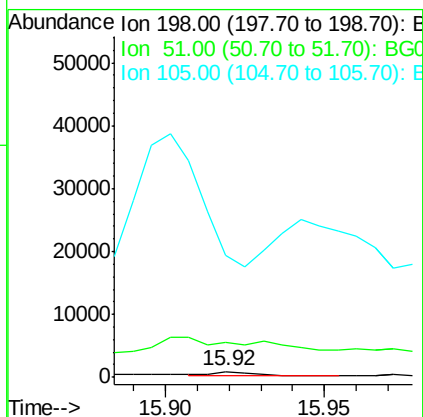
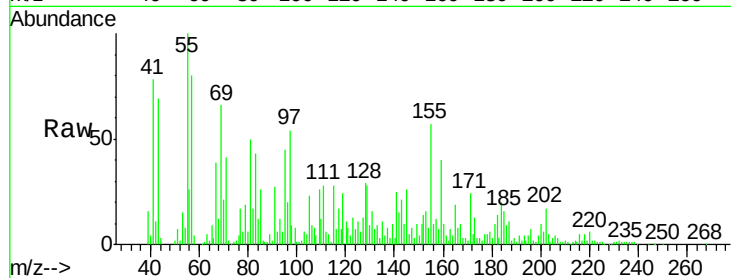




#64
4,6-Dinitro-2-methylphenol
Concen: 6.44 ng
RT: 15.92 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

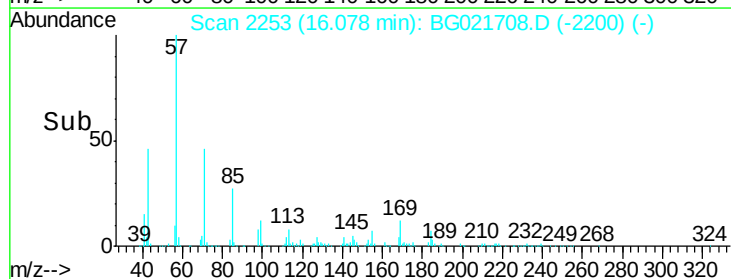
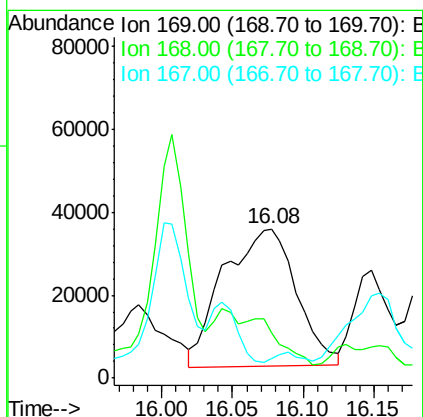
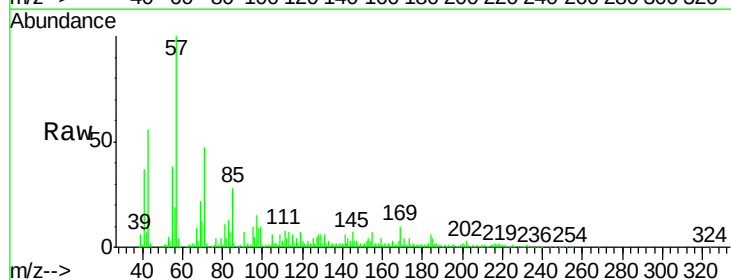
Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

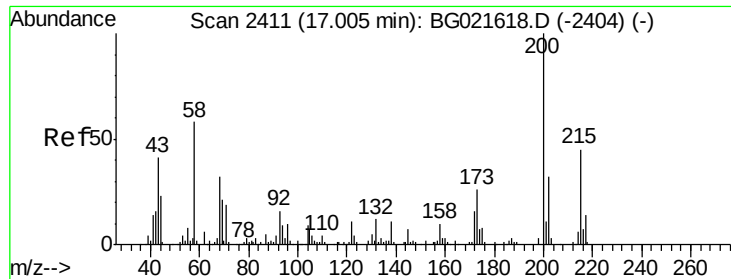
Tgt Ion:198 Resp: 825
Ion Ratio Lower Upper
198 100
51 599.8 29.2 69.2#
105 2068.1 24.0 64.0#



#65
n-Nitrosodiphenylamine
Concen: 23.63 ng
RT: 16.08 min Scan# 2253
Delta R.T. 0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion:169 Resp: 119360
Ion Ratio Lower Upper
169 100
168 29.9 59.6 89.4#
167 13.3 31.2 46.8#





#68

Atrazine

Concen: 8.64 ng

RT: 17.02 min Scan# 2414

Delta R.T. 0.02 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampled :

SB-13-7.5-8

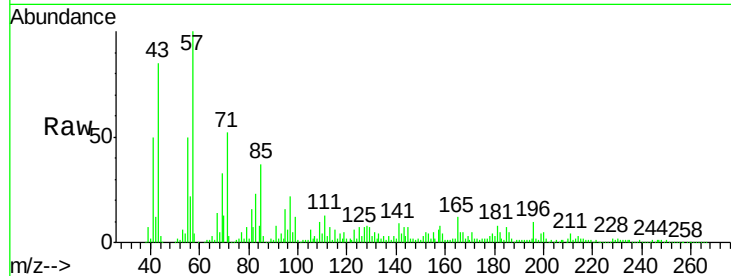
Tgt Ion:200 Resp: 17239

Ion Ratio Lower Upper

200 100

173 43.1 5.1 45.1

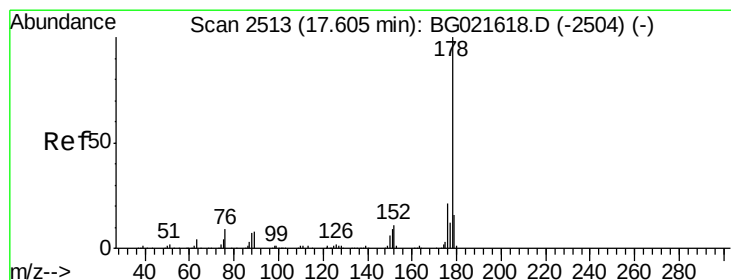
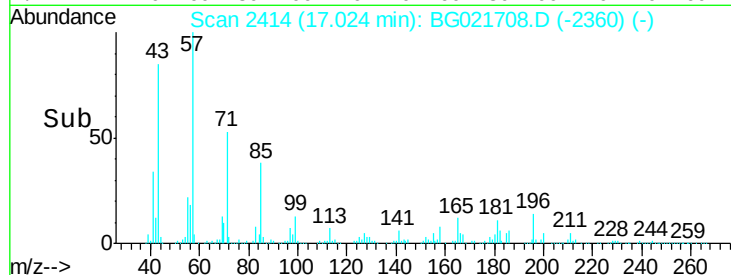
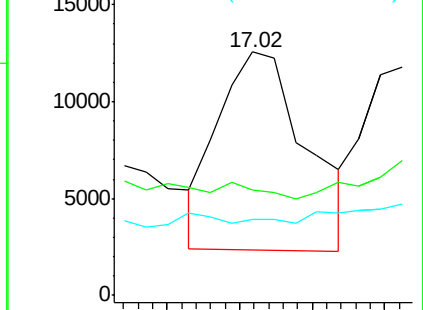
215 31.1 28.0 68.0



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70

Phenanthrene

Concen: 10.02 ng

RT: 17.62 min Scan# 2515

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

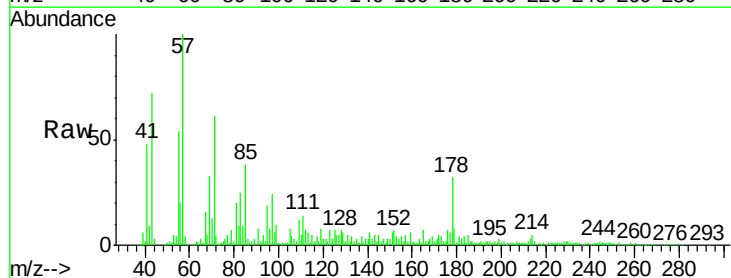
Tgt Ion:178 Resp: 93016

Ion Ratio Lower Upper

178 100

176 22.1 16.2 24.4

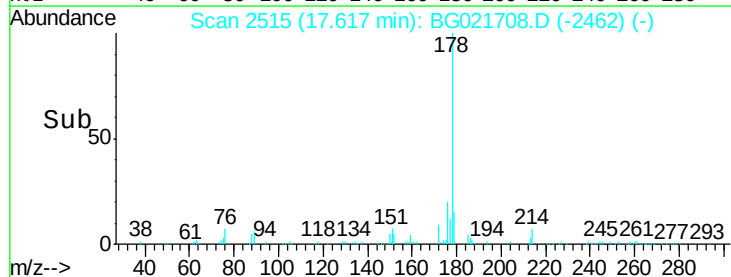
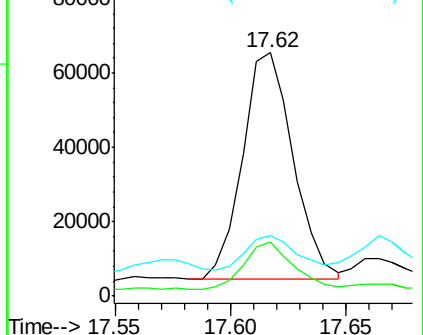
179 24.8 12.0 18.0#

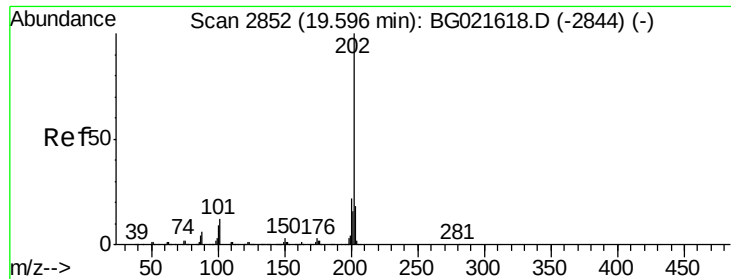


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.04 ng

RT: 19.61 min Scan# 2854

Delta R.T. 0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

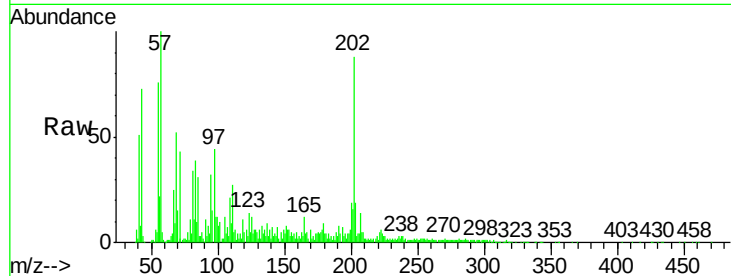
Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

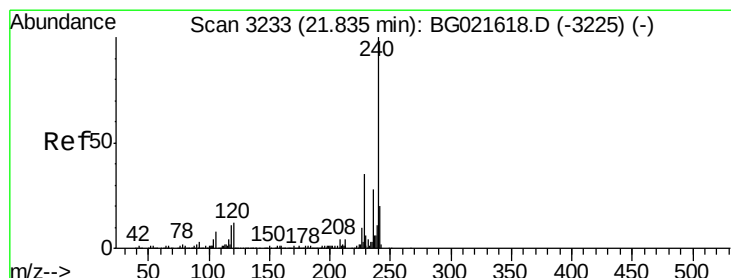
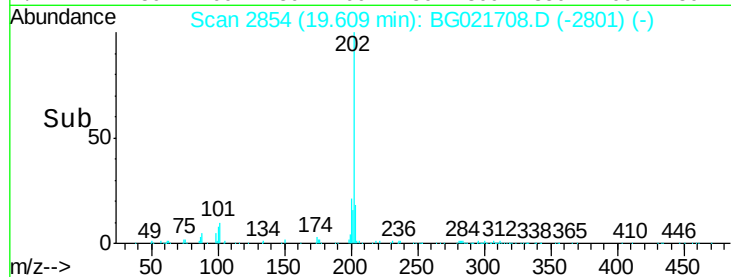
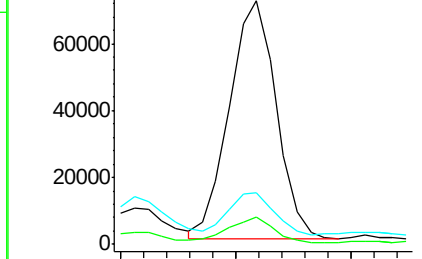
Tgt Ion:	202	Resp:	100230
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.0
203	21.3	0.0	37.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

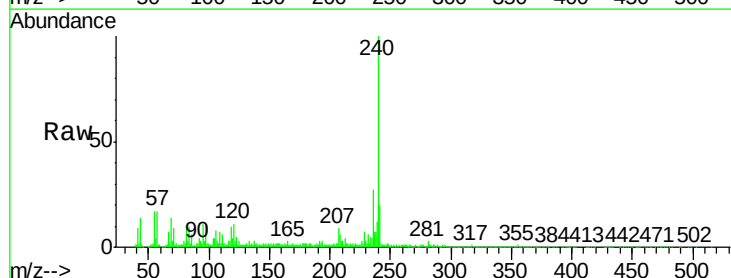
RT: 21.84 min Scan# 3233

Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

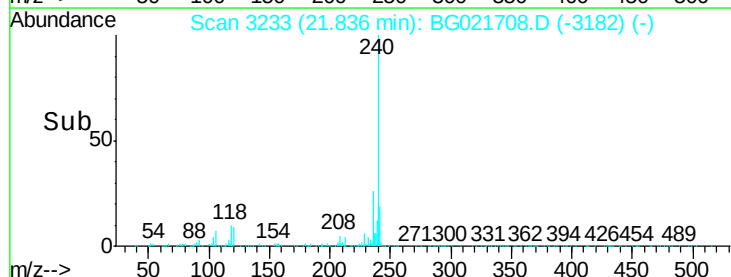
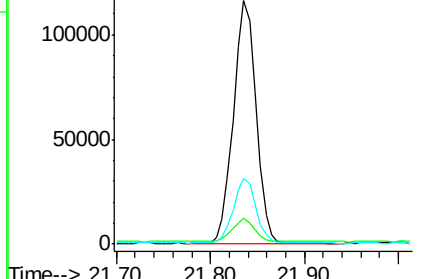
Tgt Ion:	240	Resp:	195027
Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.4	12.6
236	26.8	19.6	29.4

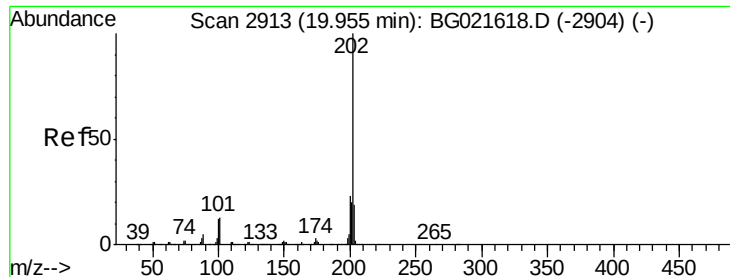


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

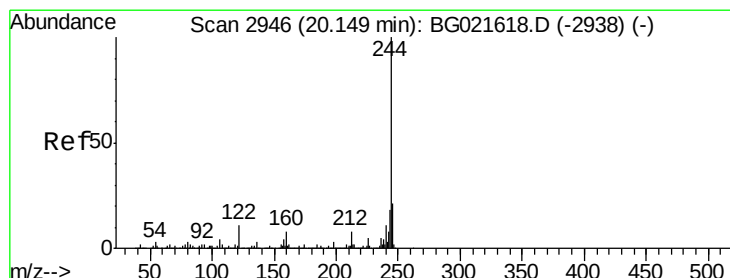
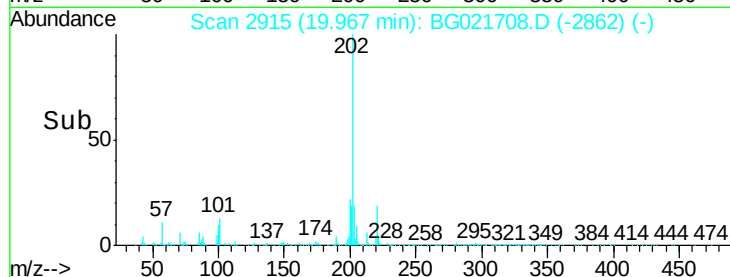
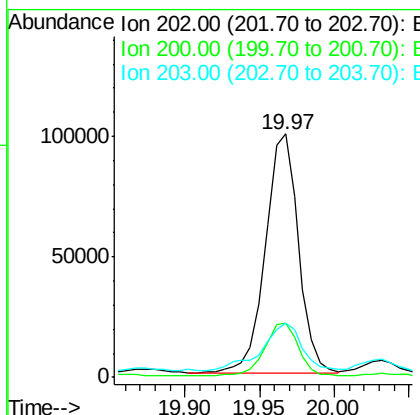
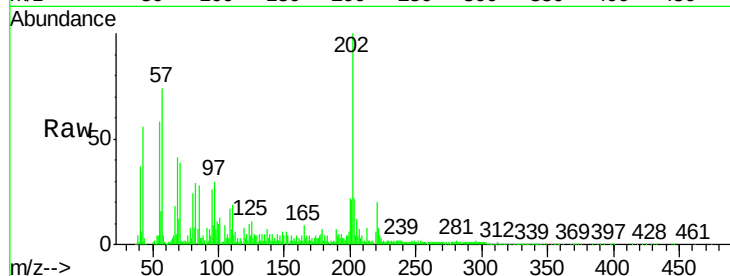




#77
 Pyrene
 Concen: 13.43 ng
 RT: 19.97 min Scan# 2915
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

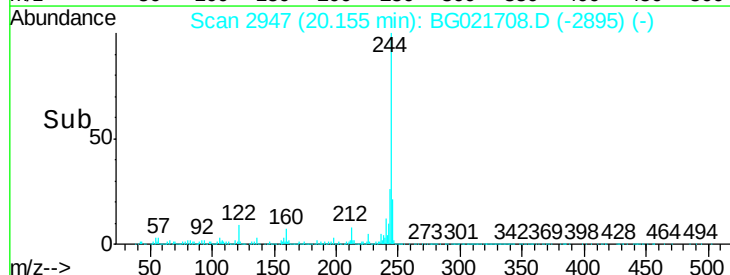
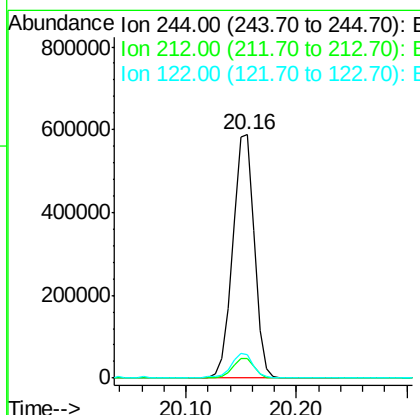
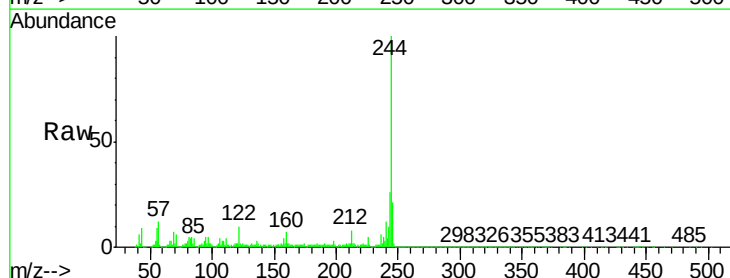
Instrument :
 BNA_G
 ClientSampled :
 SB-13-7.5-8

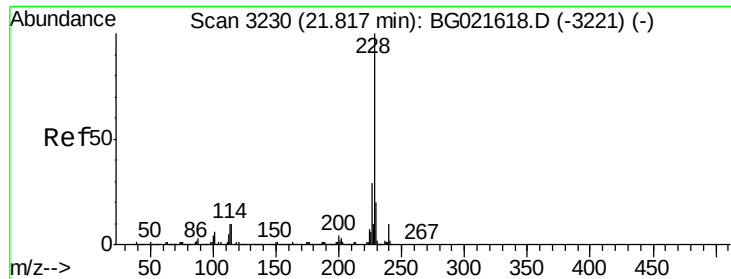
Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	18.2	27.2
203	22.5	15.0	22.4



#78
 Terphenyl-d14
 Concen: 102.72 ng
 RT: 20.16 min Scan# 2947
 Delta R.T. 0.01 min
 Lab File: BG021708.D
 Acq: 16 Apr 2016 8:47

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	9.5	8.6	12.8

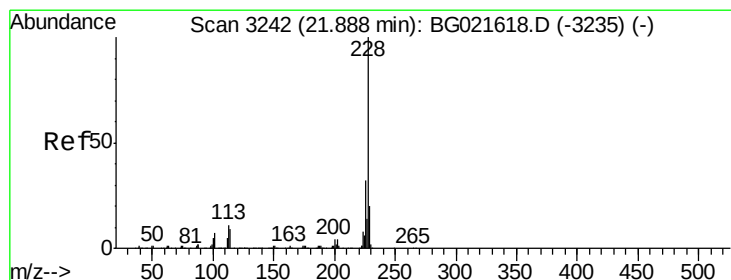
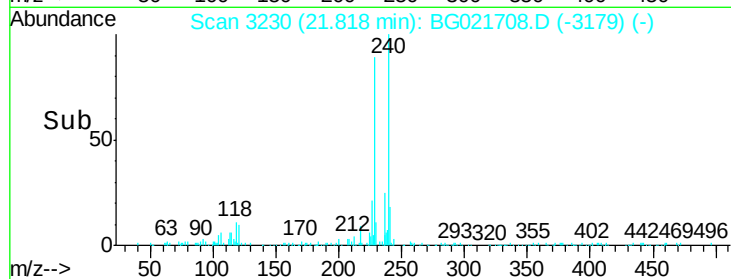
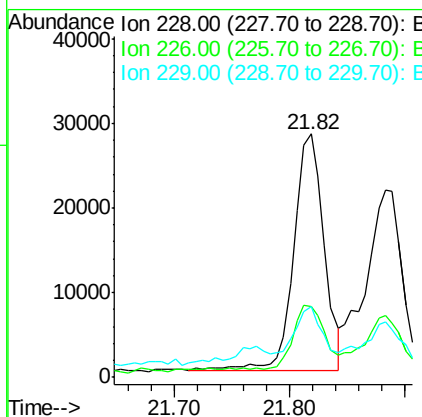
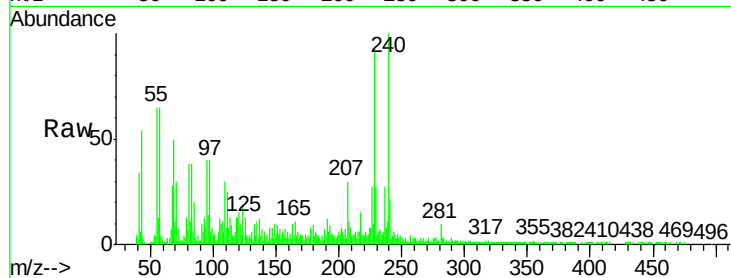




#80
Benzo(a)anthracene
Concen: 4.52 ng
RT: 21.82 min Scan# 3230
Delta R.T. 0.00 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

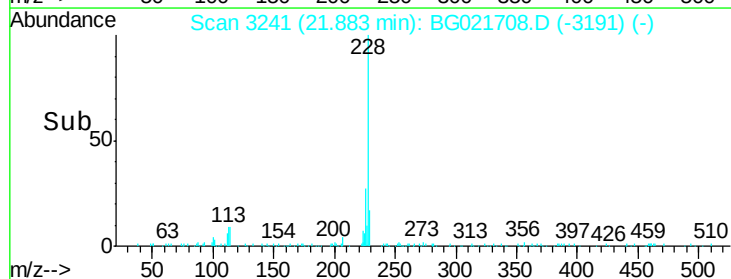
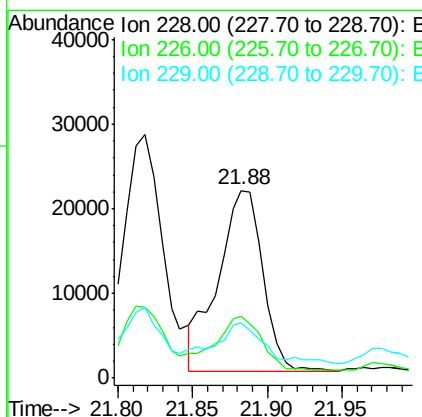
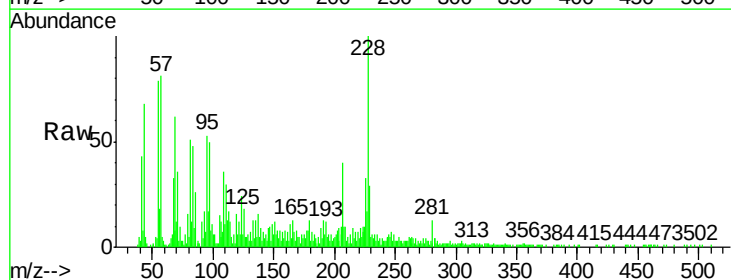
Instrument :
BNA_G
ClientSampleId :
SB-13-7.5-8

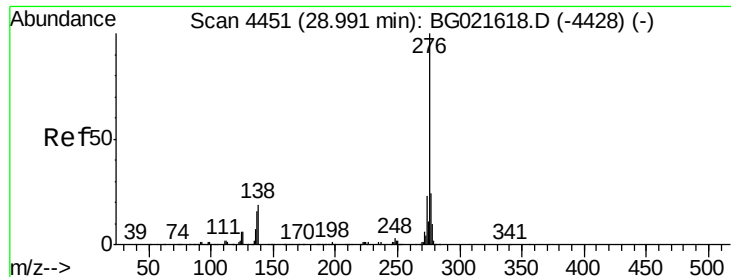
Tgt Ion: 228 Resp: 50726
Ion Ratio Lower Upper
228 100
226 29.1 22.6 34.0
229 29.3 16.1 24.1#



#82
Chrysene
Concen: 4.16 ng
RT: 21.88 min Scan# 3241
Delta R.T. -0.01 min
Lab File: BG021708.D
Acq: 16 Apr 2016 8:47

Tgt Ion: 228 Resp: 44908
Ion Ratio Lower Upper
228 100
226 32.6 25.4 38.0
229 29.3 15.9 23.9#





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.69 ng

RT: 28.97 min Scan# 4448

Delta R.T. -0.02 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

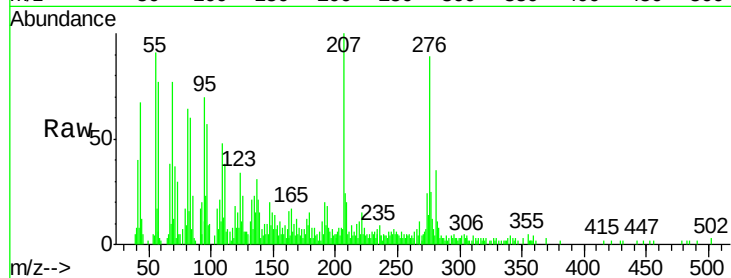
Tgt Ion:276 Resp: 34445

Ion Ratio Lower Upper

276 100

138 4.8 14.0 21.0#

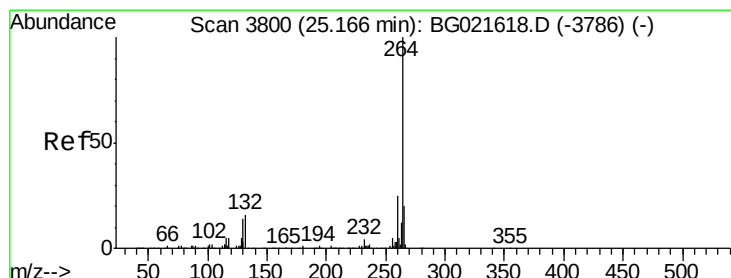
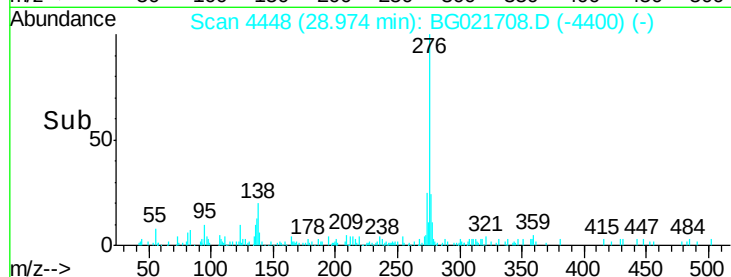
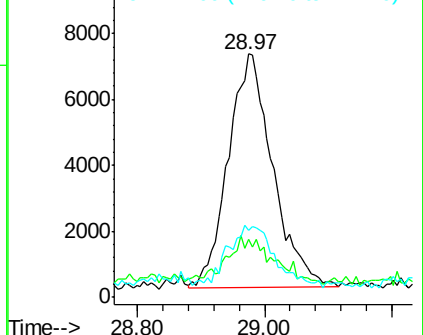
277 28.4 20.6 30.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 25.17 min Scan# 3800

Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

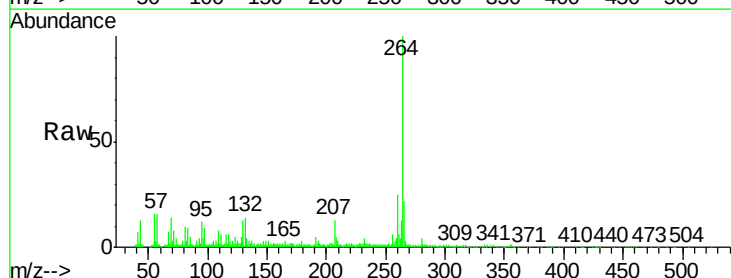
Tgt Ion:264 Resp: 198116

Ion Ratio Lower Upper

264 100

260 24.9 20.2 30.4

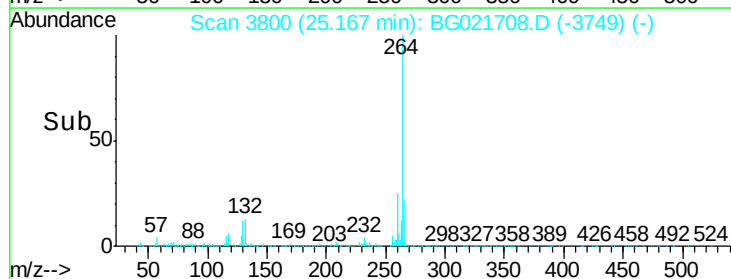
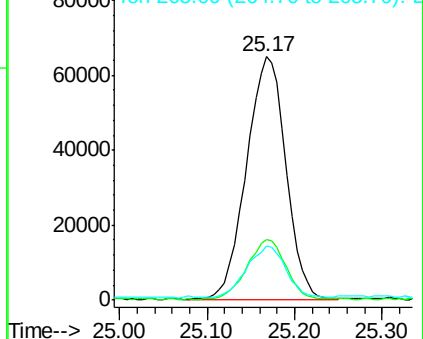
265 22.4 17.8 26.8

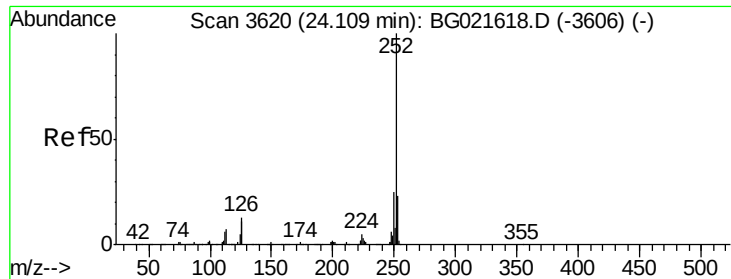


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.59 ng

RT: 24.10 min Scan# 3619

Delta R.T. -0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

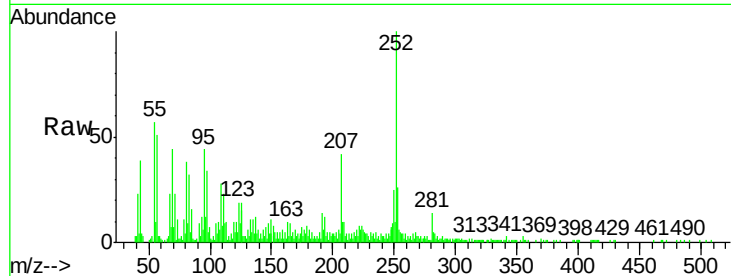
Tgt Ion:252 Resp: 64311

Ion Ratio Lower Upper

252 100

253 26.0 17.5 26.3

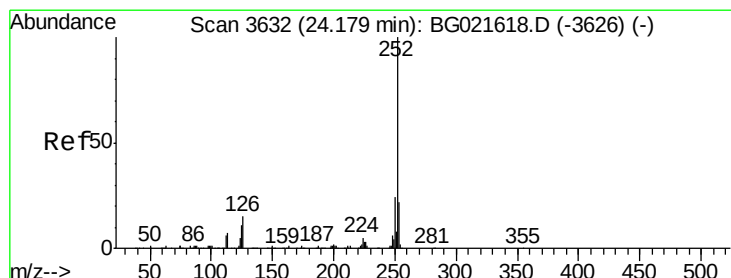
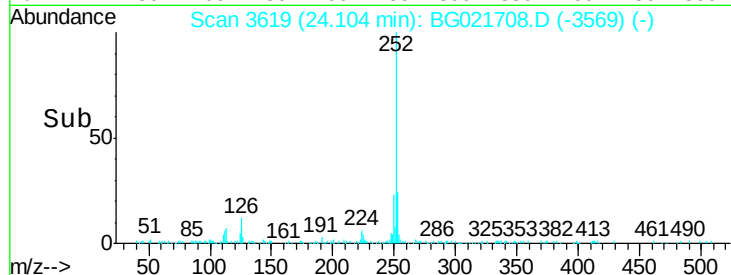
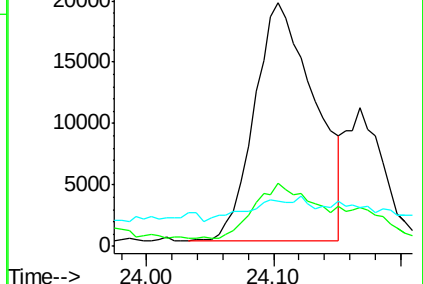
125 18.8 8.6 13.0#



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



#88

Benzo(k)fluoranthene

Concen: 5.72 ng

RT: 24.10 min Scan# 3619

Delta R.T. -0.08 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

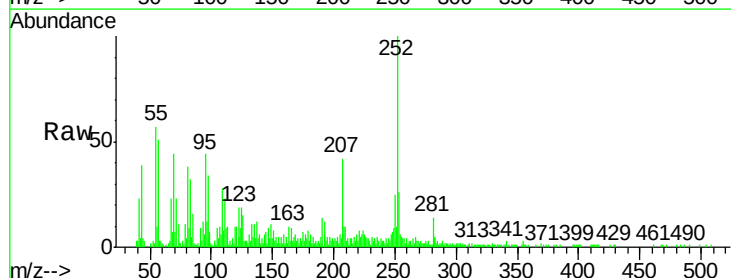
Tgt Ion:252 Resp: 64311

Ion Ratio Lower Upper

252 100

253 26.0 17.8 26.8

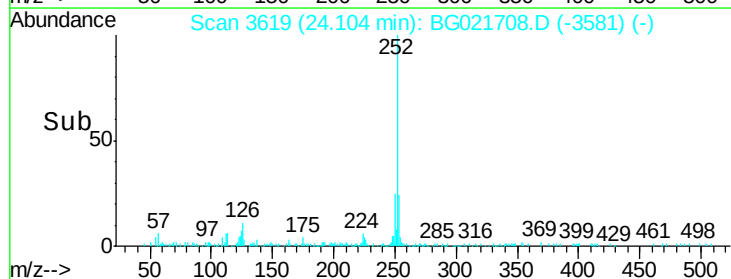
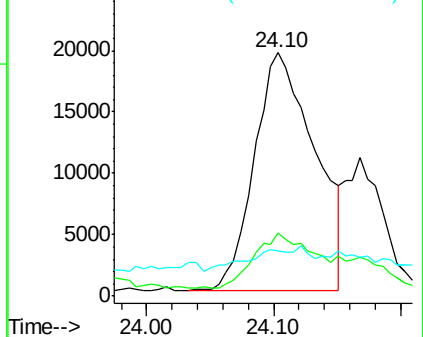
125 18.8 8.3 12.5#

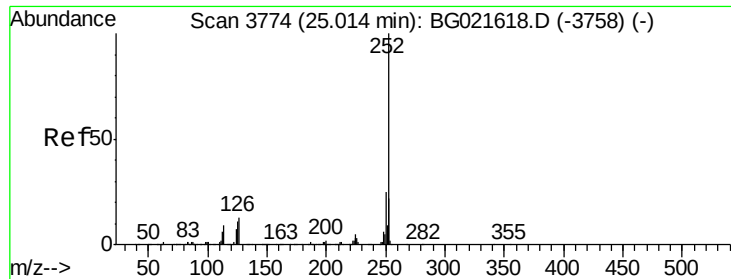


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 4.18 ng

RT: 25.01 min Scan# 3774

Delta R.T. 0.00 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

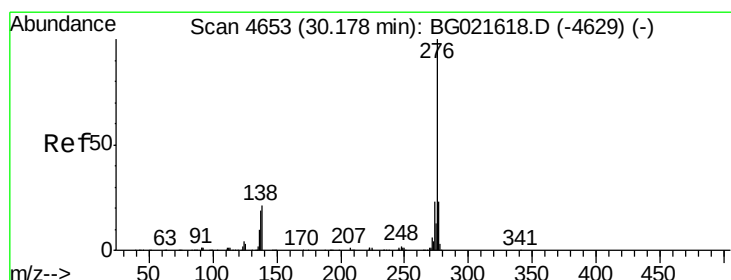
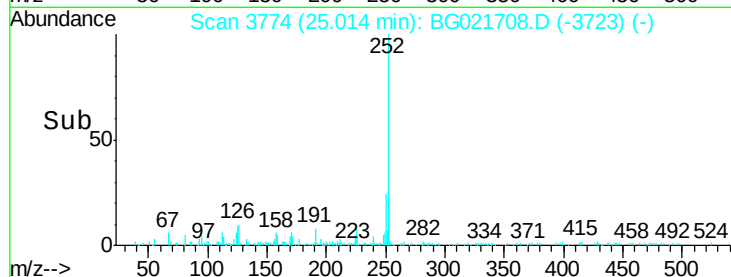
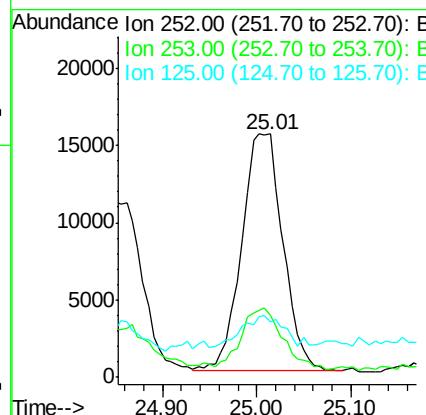
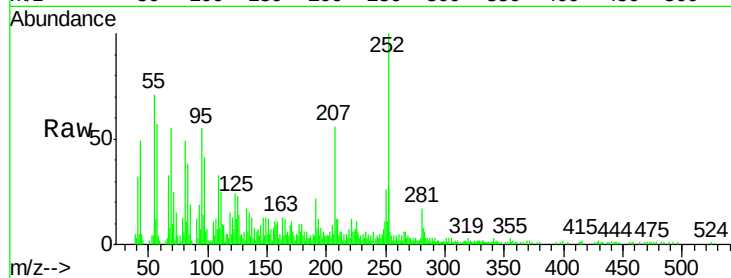
Instrument :

BNA_G

ClientSampleId :

SB-13-7.5-8

Tgt Ion:	252	Resp:	46579
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.1	25.7
125	22.9	9.6	14.4#



#91

Benzo(g,h,i)perylene

Concen: 2.92 ng

RT: 30.17 min Scan# 4652

Delta R.T. -0.01 min

Lab File: BG021708.D

Acq: 16 Apr 2016 8:47

Tgt Ion:	276	Resp:	32020
Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.4	29.2
138	24.5	17.4	26.0

