

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA G\DATA\BG091217\
 Data File : BG028686.D
 Acq On : 13 Sep 2017 1:46
 Operator : SJ/JU
 Sample : I5189-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FB-01-090817

Quant Time: Sep 13 04:10:07 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG091217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 16:57:11 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	22654	20.00	ng	0.00
21) Naphthalene-d8	11.15	136	92111	20.00	ng	0.00
38) Acenaphthene-d10	14.94	164	73148	20.00	ng	0.00
63) Phenanthrene-d10	17.69	188	218924	20.00	ng	0.00
75) Chrysene-d12	22.03	240	247643	20.00	ng	0.00
86) Perylene-d12	25.52	264	253003	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.90	112	83538	60.85	ng	0.00
7) Phenol-d6	7.48	99	65456	31.67	ng	0.00
23) Nitrobenzene-d5	9.50	82	197101	102.36	ng	0.00
41) 2,4,6-Tribromophenol	16.43	330	204503	169.04	ng	0.00
44) 2-Fluorobiphenyl	13.56	172	509966	92.96	ng	0.00
78) Terphenyl-d14	20.28	244	1146112	98.70	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.84	88	171	0.308	ng	# 3
4) n-Nitrosodimethylamine	4.20	42	72	0.100	ng	# 1
6) Aniline	7.60	93	56	0.023	ng	# 38
9) Benzaldehyde	7.49	77	115	0.090	ng	# 10
11) bis(2-Chloroethyl)ether	7.85	93	54	0.034	ng	# 1
15) Benzyl Alcohol	8.65	79	3612	2.238	ng	# 52
19) n-Nitroso-di-n-propylamine	8.86	70	75	0.051	ng	# 29
22) Acetophenone	9.15	105	2913	1.082	ng	# 84
24) Nitrobenzene	9.51	77	627	0.294	ng	# 27
25) Isophorone	10.05	82	114	0.029	ng	# 67
26) 2-Nitrophenol	10.19	139	66	0.073	ng	# 20
29) 2,4-Dichlorophenol	10.98	162	84	0.051	ng	# 25
33) 4-Chloroaniline	11.14	127	69	0.034	ng	# 40
34) Hexachlorobutadiene	11.21	225	55	0.040	ng	# 19
36) 4-Chloro-3-methylphenol	12.45	107	62	0.029	ng	# 25
45) 1,1'-Biphenyl	13.77	154	817	0.135	ng	# 41
47) 2-Nitroaniline	13.98	65	67	0.041	ng	# 16
51) Acenaphthene	14.94	154	130	0.030	ng	# 6
54) Dibenzofuran	15.35	168	58	0.008	ng	# 40
59) Diethylphthalate	15.73	149	178	0.028	ng	# 56
60) 4-Chlorophenyl-phenylether	15.86	204	59	0.017	ng	# 26
61) 4-Nitroaniline	15.84	138	71	0.056	ng	# 1
62) Azobenzene	16.09	77	56	0.011	ng	# 47
65) n-Nitrosodiphenylamine	16.43	169	6714	1.070	ng	# 30
70) Phenanthrene	17.89	178	56	0.005	ng	# 56
71) Anthracene	17.89	178	56	0.005	ng	# 58
73) Di-n-butylphthalate	18.64	149	1233	0.099	ng	# 73
77) Pyrene	20.27	202	3810	0.267	ng	# 65
79) Butylbenzylphthalate	20.96	149	192	0.033	ng	# 77
80) Benzo(a)anthracene	22.03	228	1053	0.071	ng	# 47
81) 3,3'-Dichlorobenzidine	21.87	252	62	0.010	ng	# 24
82) Chrysene	22.03	228	1053	0.074	ng	# 46
83) Bis(2-ethylhexyl)phthalate	21.87	149	1141	0.139	ng	# 51
84) Di-n-octyl phthalate	23.15	149	195	0.014	ng	# 68

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Response via : Initial Calibration

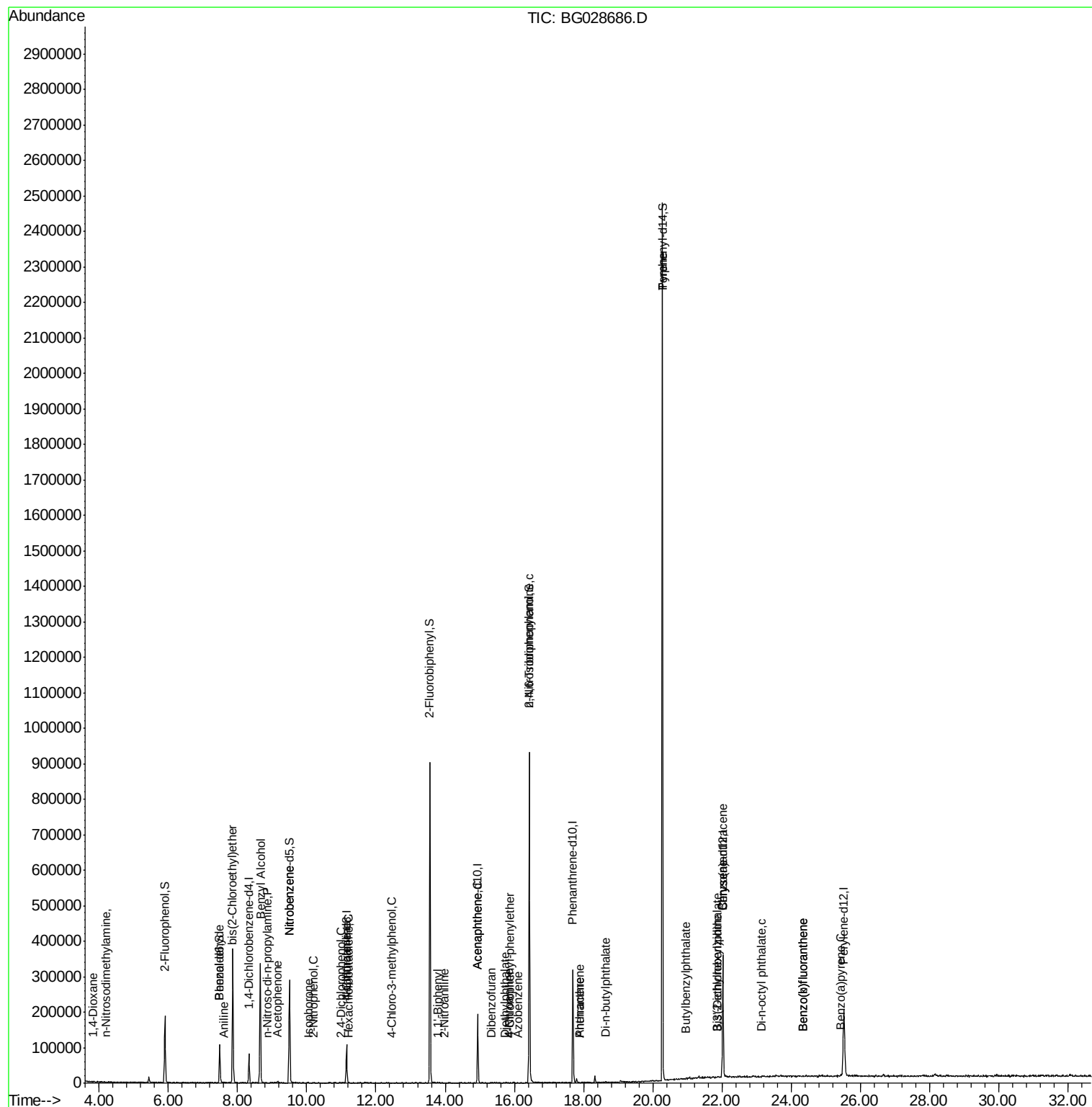
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Benzo(b)fluoranthene	24.35	252	57	0.004	ng	# 58
88) Benzo(k)fluoranthene	24.35	252	57	0.004	ng	# 56
89) Benzo(a)pyrene	25.43	252	103	0.007	ng	# 58

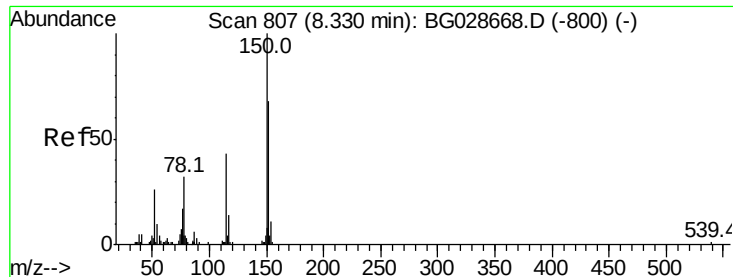
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.33 min Scan# 807

Delta R.T. 0.00 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

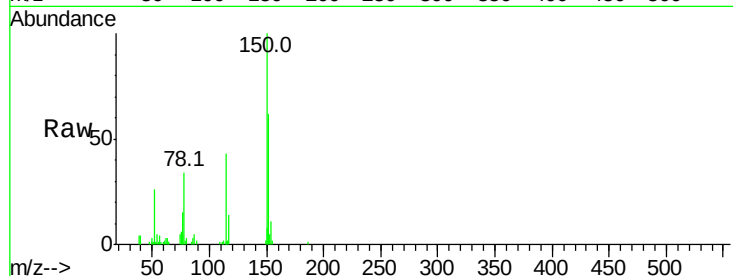
Tot Ion:152 Resp: 22654

Ion Ratio Lower Upper

152 100

150 161.9 114.0 171.0

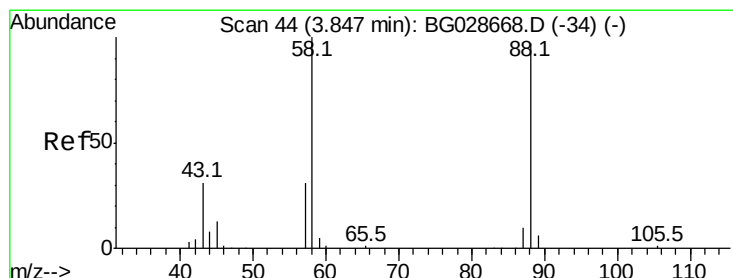
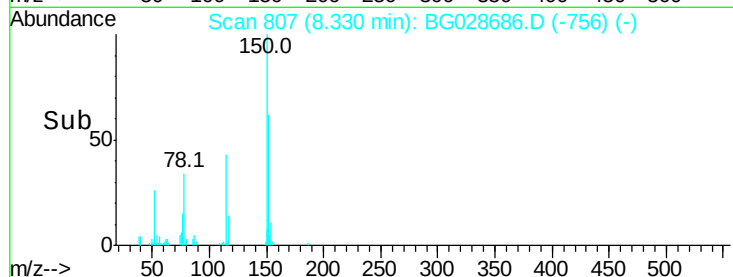
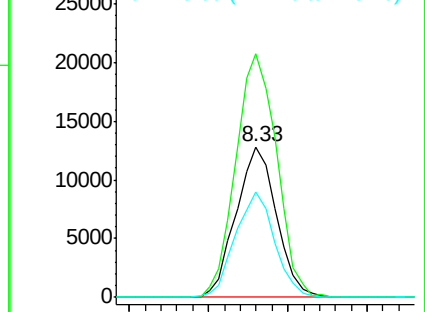
115 70.1 48.1 72.1



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



#2

1,4-Dioxane

Concen: 0.308 ng

RT: 3.84 min Scan# 42

Delta R.T. -0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

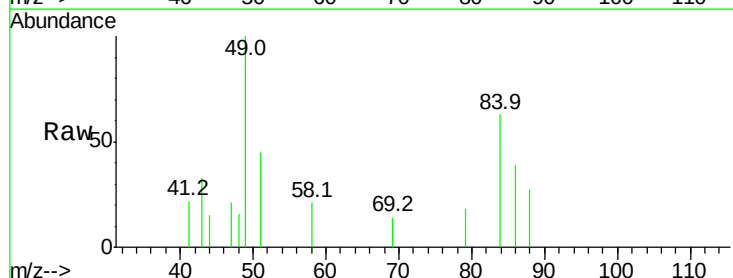
Tgt Ion: 88 Resp: 171

Ion Ratio Lower Upper

88 100

58 209.4 79.4 119.2#

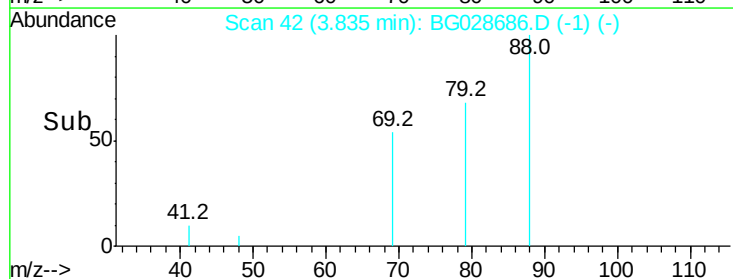
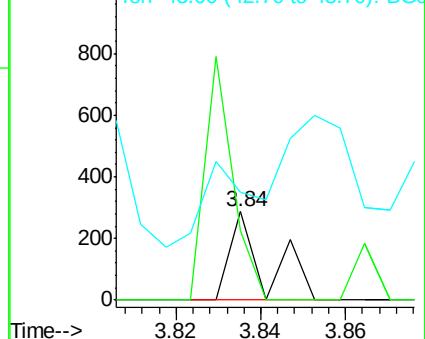
43 0.0 33.8 50.6#

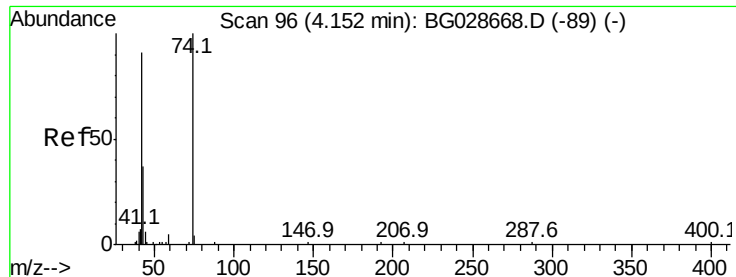


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#4

n-Nitrosodimethylamine

Concen: 0.100 ng

RT: 4.20 min Scan# 104

Delta R.T. 0.05 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

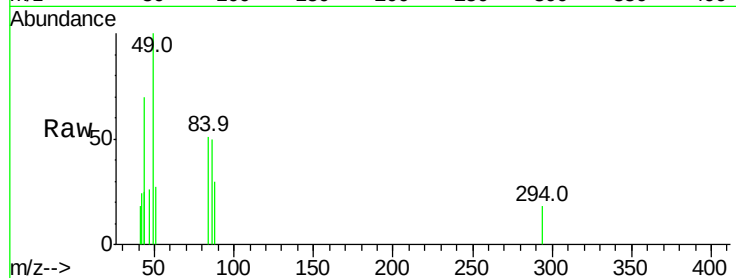
Tot Ion: 42 Resp: 72

Ion Ratio Lower Upper

42 100

74 0.0 76.7 115.1#

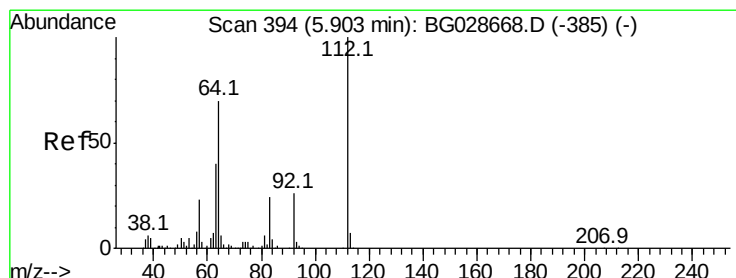
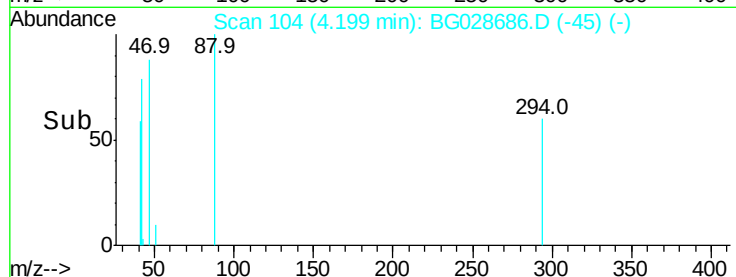
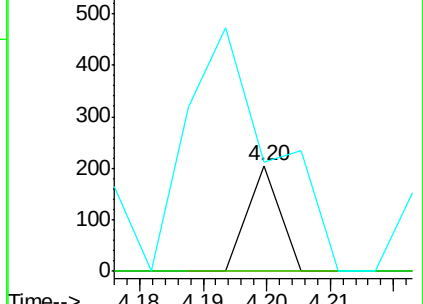
44 103.4 6.1 9.1#



Abundance Ion 42.00 (41.70 to 42.70): BGC

Ion 74.00 (73.70 to 74.70): BGC

Ion 44.00 (43.70 to 44.70): BGC



#5

2-Fluorophenol

Concen: 60.847 ng

RT: 5.90 min Scan# 394

Delta R.T. 0.00 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

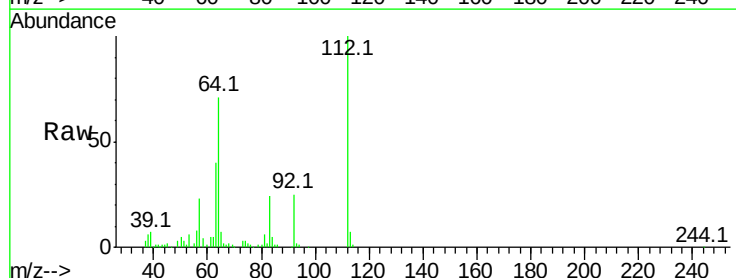
Tgt Ion: 112 Resp: 83538

Ion Ratio Lower Upper

112 100

64 71.1 61.8 92.6

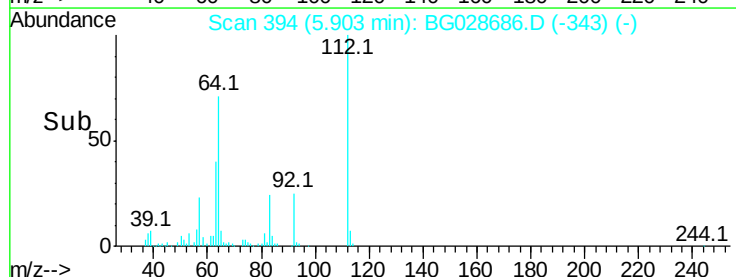
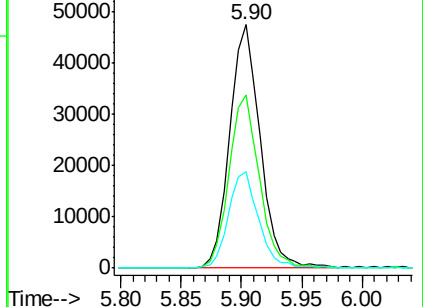
63 39.7 37.2 55.8

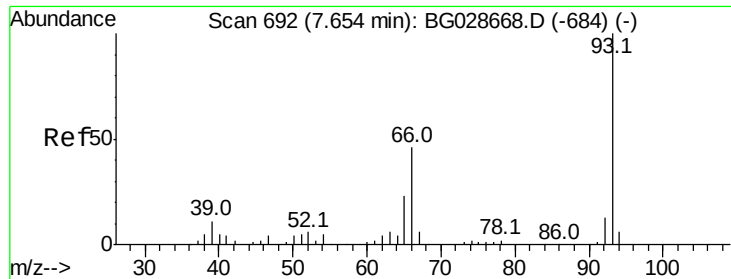


Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#6

Aniline

Concen: 0.023 ng

RT: 7.60 min Scan# 683

Delta R.T. -0.05 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

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FB-01-090817

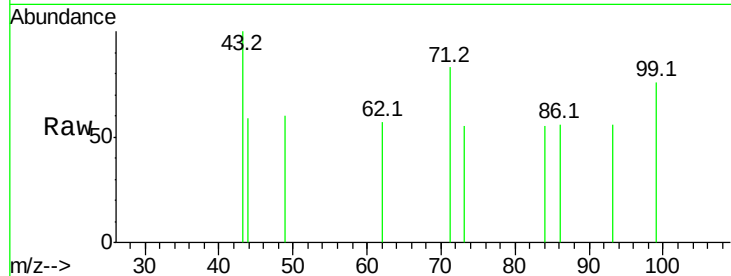
Tot Ion: 93 Resp: 56

Ion Ratio Lower Upper

93 100

66 0.0 35.4 53.2#

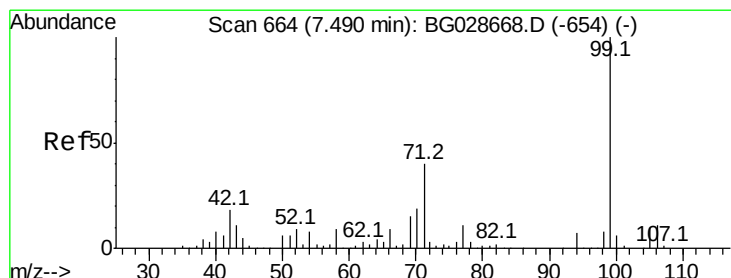
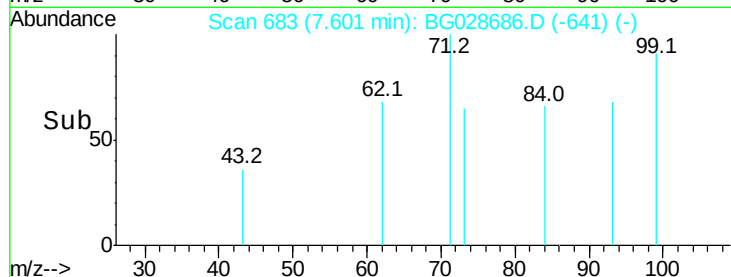
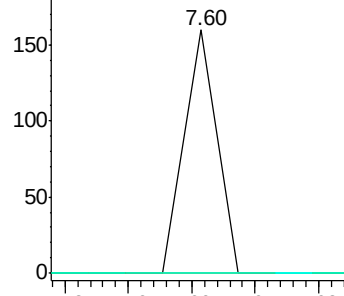
65 0.0 21.2 31.8#



Abundance Ion 93.00 (92.70 to 93.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

Ion 65.00 (64.70 to 65.70): BGC



#7

Phenol-d6

Concen: 31.665 ng

RT: 7.48 min Scan# 663

Delta R.T. -0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

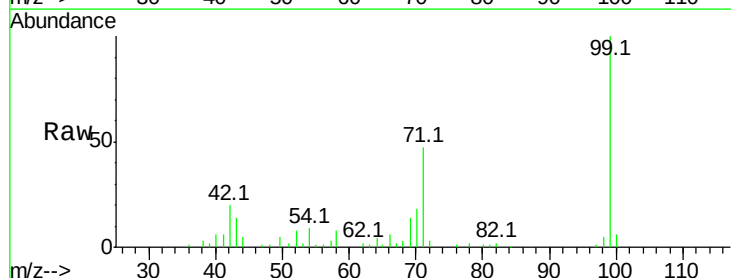
Tgt Ion: 99 Resp: 65456

Ion Ratio Lower Upper

99 100

42 19.6 20.5 30.7#

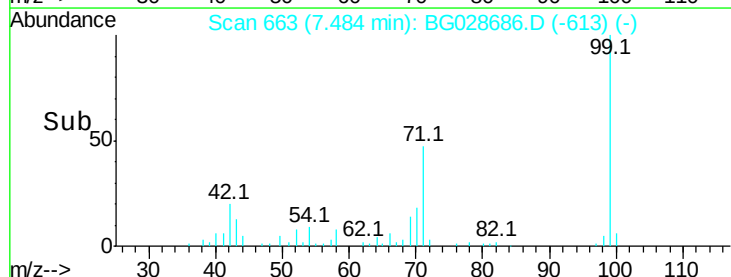
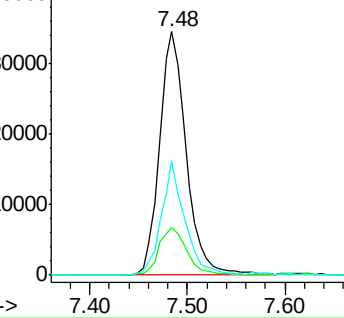
71 46.9 37.6 56.4

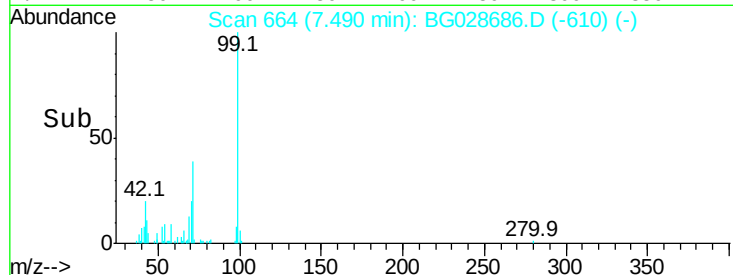
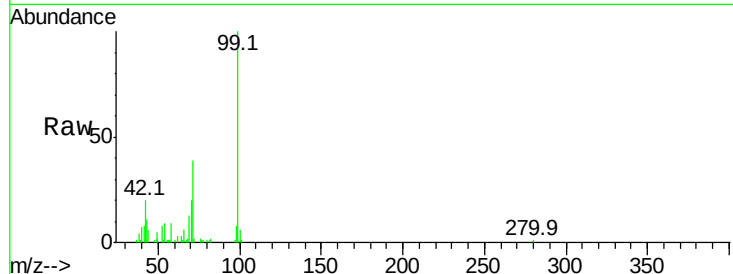
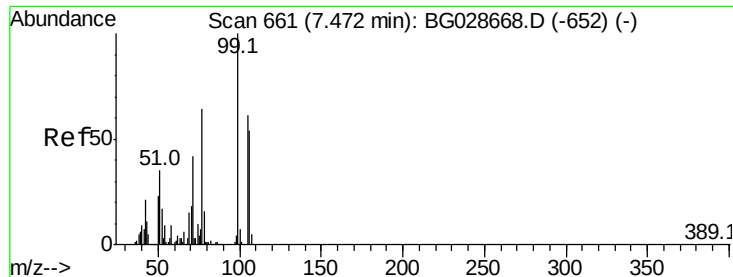


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#9

Benzaldehyde

Concen: 0.090 ng

RT: 7.49 min Scan# 664

Delta R.T. 0.02 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

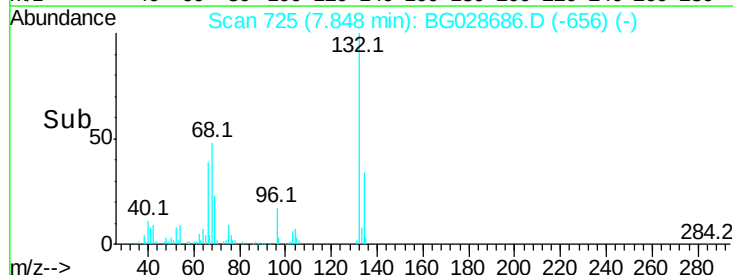
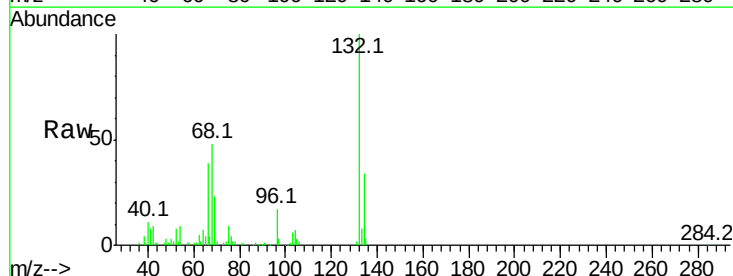
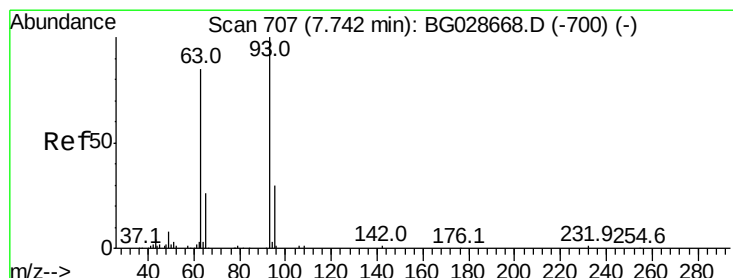
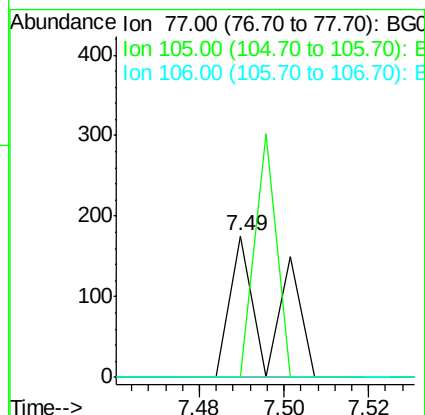
Tot Ion: 77 Resp: 115

Ion Ratio Lower Upper

77 100

105 0.0 60.9 100.9#

106 0.0 55.1 95.1#



#11

bis(2-Chloroethyl)ether

Concen: 0.034 ng

RT: 7.85 min Scan# 725

Delta R.T. 0.11 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

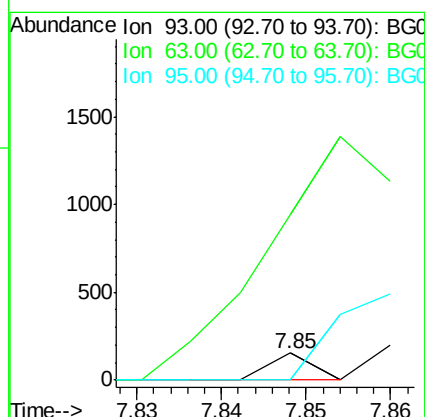
Tgt Ion: 93 Resp: 54

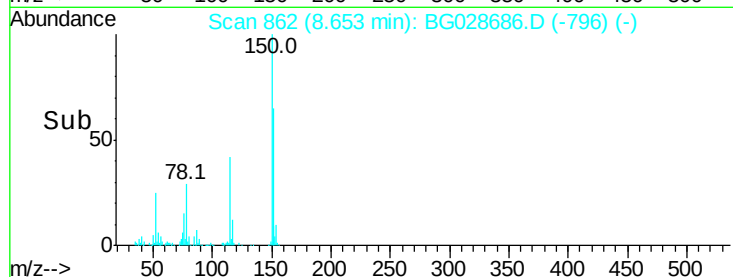
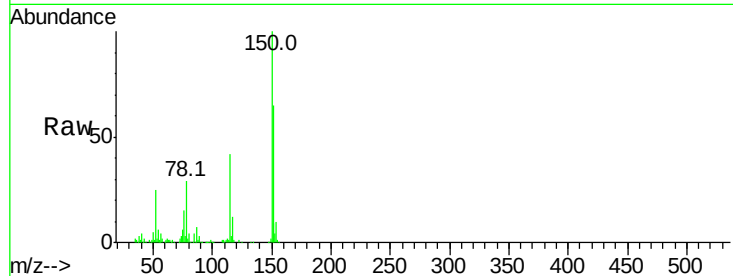
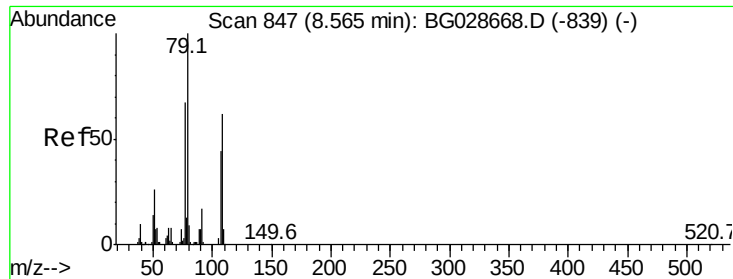
Ion Ratio Lower Upper

93 100

63 615.7 78.5 118.5#

95 0.0 9.8 49.8#

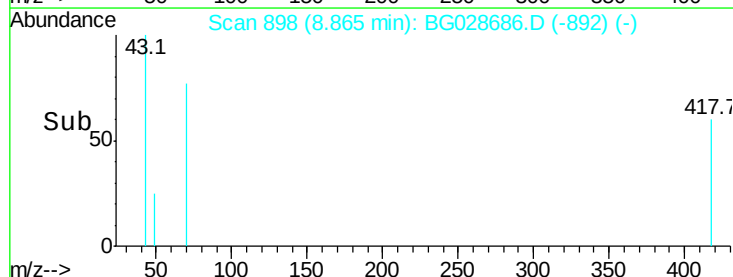
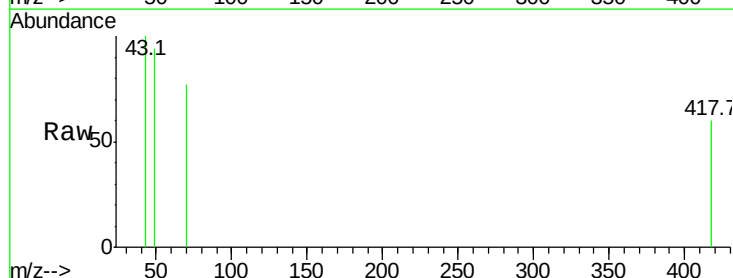
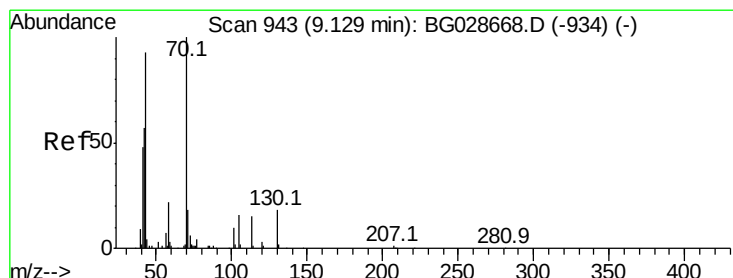
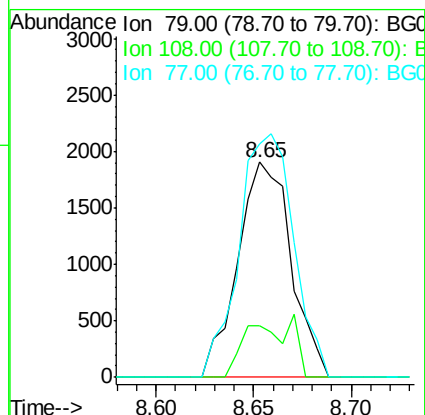




#15
Benzyl Alcohol
Concen: 2.238 ng
RT: 8.65 min Scan# 862
Delta R.T. 0.09 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

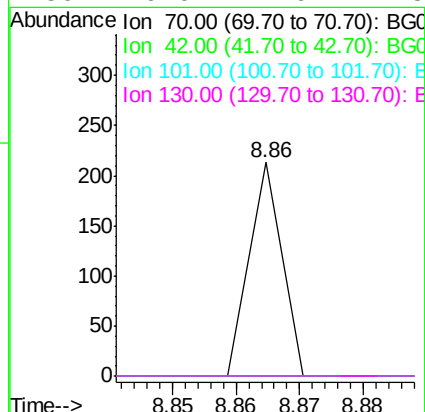
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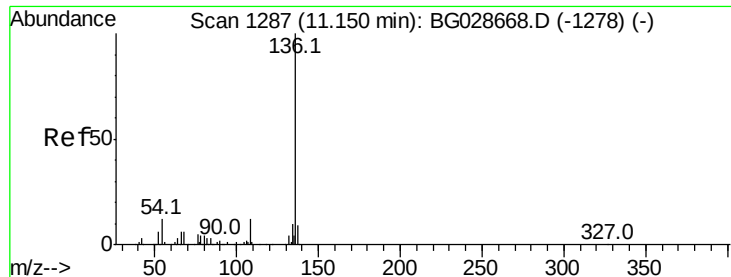
Tot Ion	Ratio	Lower	Upper
79	100		
108	23.8	45.5	68.3#
77	108.3	54.3	81.5#



#19
n-Nitroso-di-n-propylamine
Concen: 0.051 ng
RT: 8.86 min Scan# 898
Delta R.T. -0.26 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

Tgt Ion	Ratio	Lower	Upper
70	100		
42	0.0	56.1	84.1#
101	0.0	7.5	11.3#
130	0.0	14.6	21.8#

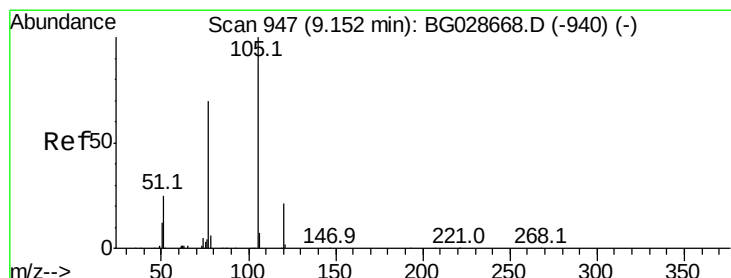
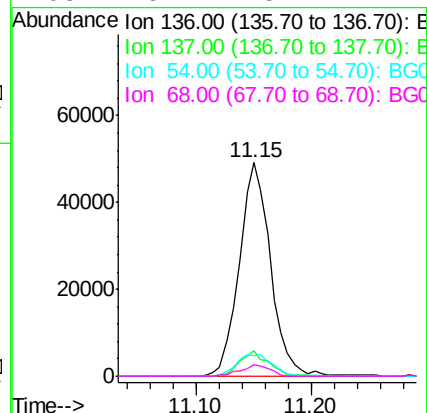
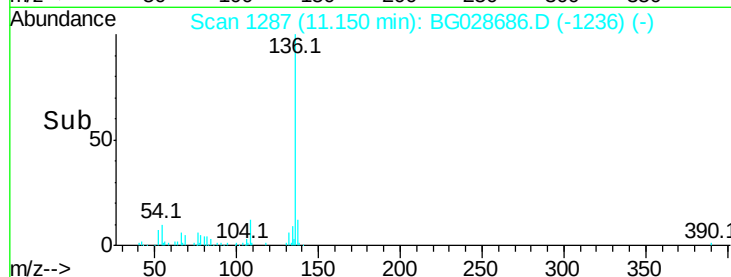
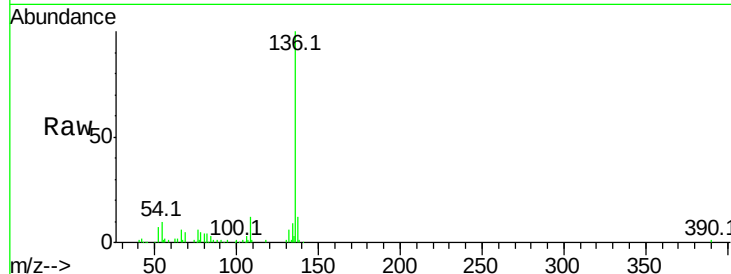




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.15 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

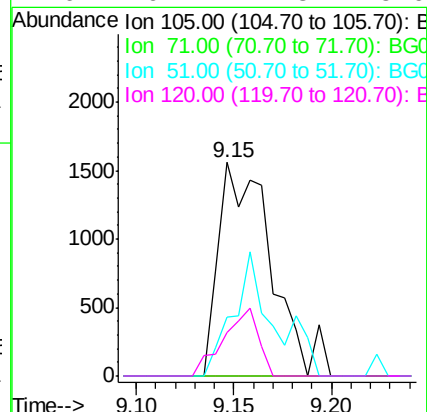
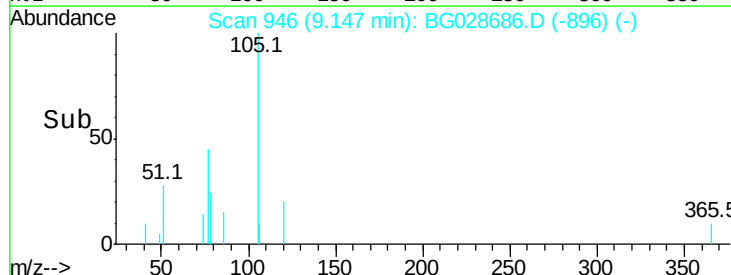
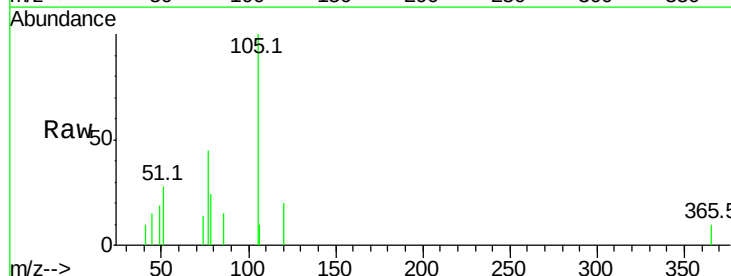
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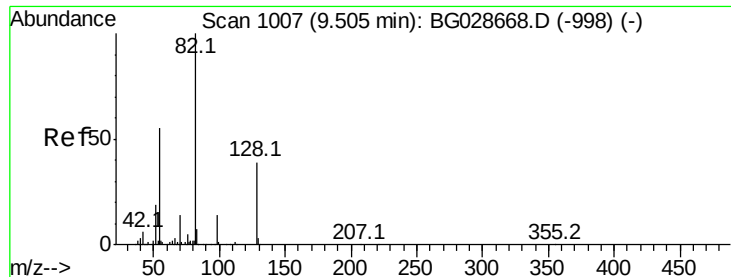
Tot Ion:136	Resp:	92111
Ion Ratio	Lower	Upper
136 100		
137 12.2	8.9	13.3
54 9.9	9.3	13.9
68 5.2	5.1	7.7



#22
Acetophenone
Concen: 1.082 ng
RT: 9.15 min Scan# 946
Delta R.T. -0.01 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

Tgt	Ion:105	Resp:	2913
Ion	Ratio	Lower	Upper
105	100		
71	0.0	0.9	1.3#
51	27.6	34.0	51.0#
120	20.1	17.3	25.9

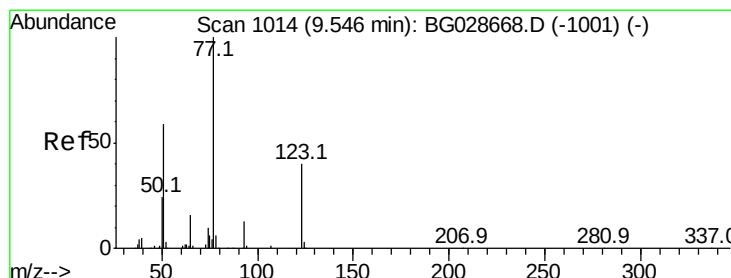
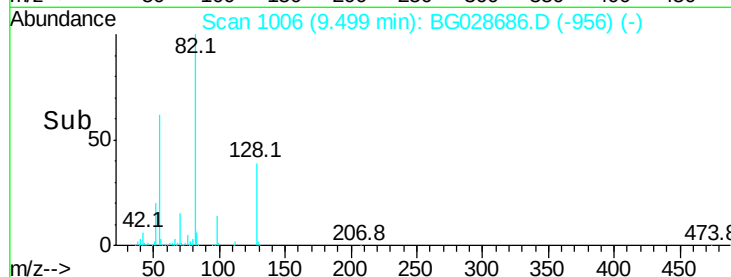
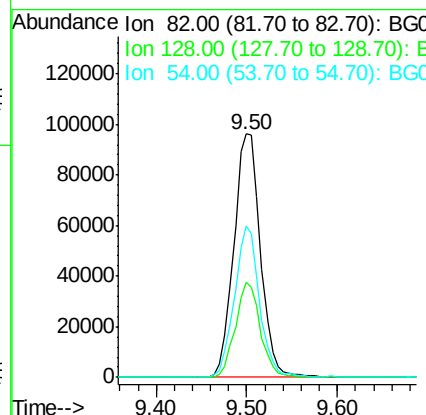
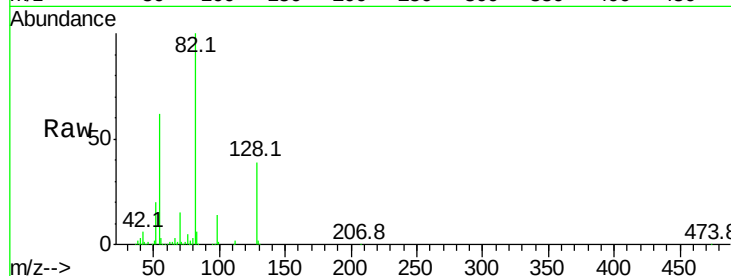




#23
 Nitrobenzene-d5
 Concen: 102.363 ng
 RT: 9.50 min Scan# 1006
 Delta R.T. -0.01 min
 Lab File: BG028686.D
 Acq: 13 Sep 2017 1:46

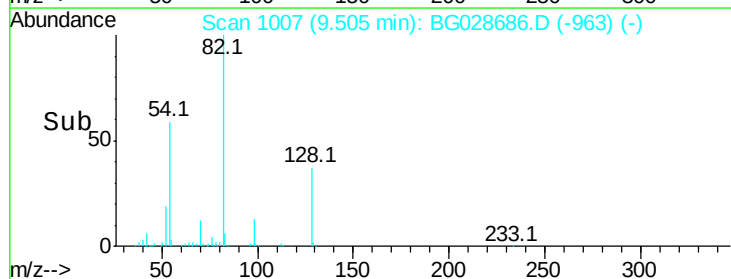
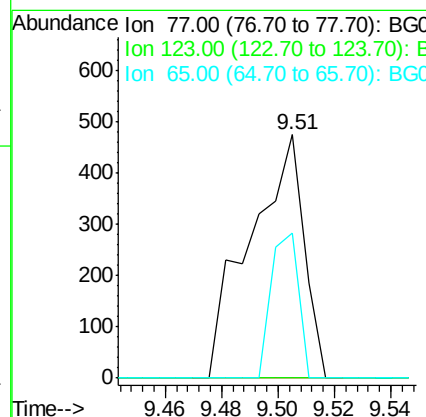
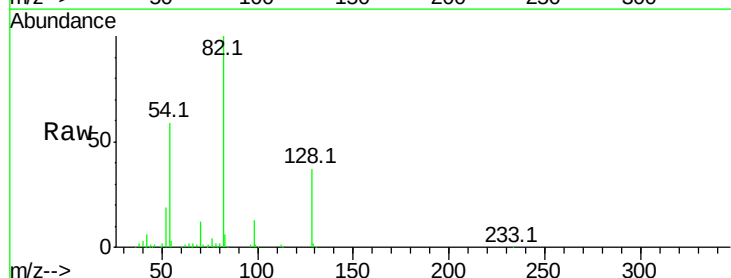
Instrument :
 BNA_G
 ClientSampleId :
 FB-01-090817

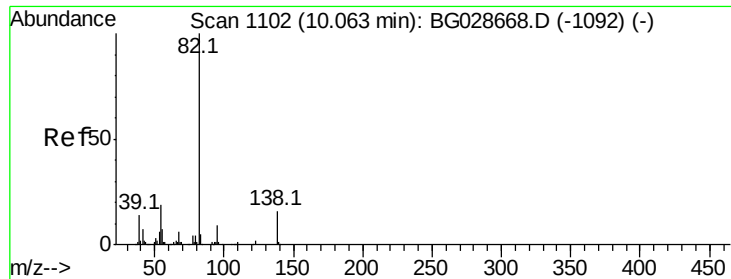
Tot Ion: 82 Resp: 197101
 Ion Ratio Lower Upper
 82 100
 128 39.0 26.4 39.6
 54 62.4 49.4 74.2



#24
 Nitrobenzene
 Concen: 0.294 ng
 RT: 9.51 min Scan# 1007
 Delta R.T. -0.04 min
 Lab File: BG028686.D
 Acq: 13 Sep 2017 1:46

Tgt Ion: 77 Resp: 627
 Ion Ratio Lower Upper
 77 100
 123 0.0 26.1 39.1#
 65 59.5 12.4 18.6#





#25

Isophorone

Concen: 0.029 ng

RT: 10.05 min Scan# 1099

Delta R.T. -0.02 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

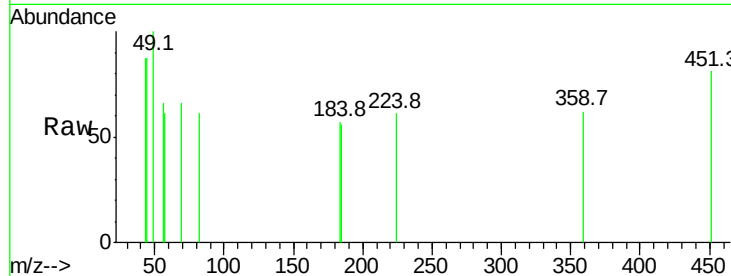
Tot Ion: 82 Resp: 114

Ion Ratio Lower Upper

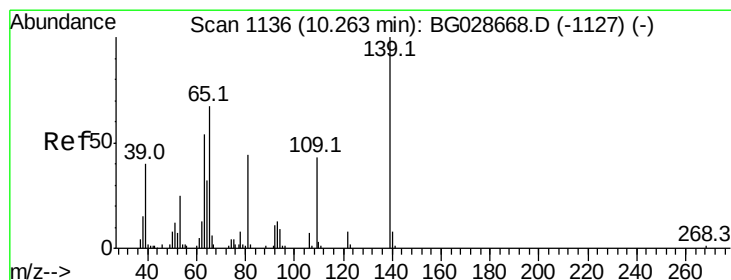
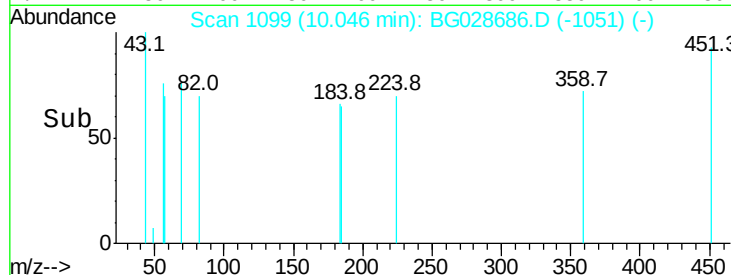
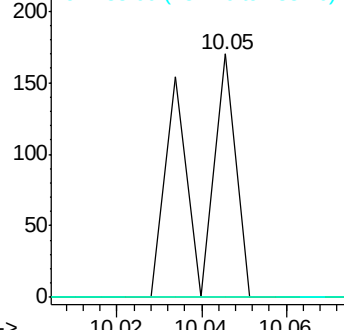
82 100

95 0.0 7.5 11.3#

138 0.0 12.3 18.5#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#26

2-Nitrophenol

Concen: 0.073 ng

RT: 10.19 min Scan# 1124

Delta R.T. -0.07 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

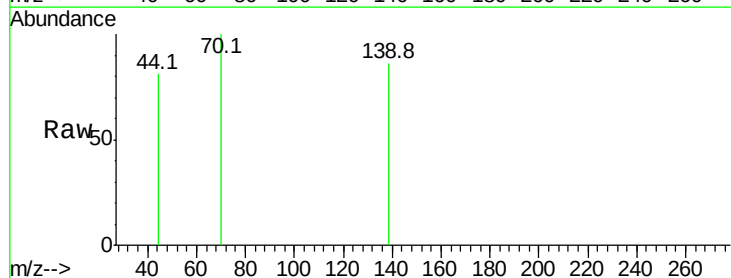
Tgt Ion: 139 Resp: 66

Ion Ratio Lower Upper

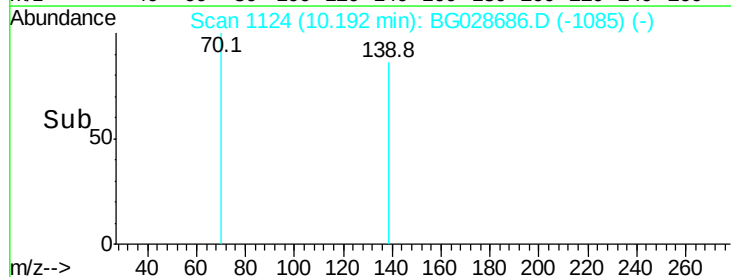
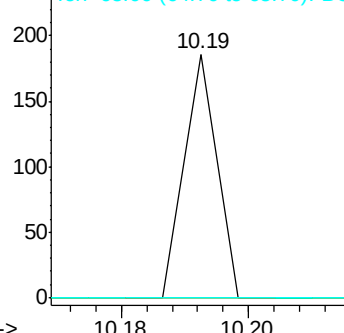
139 100

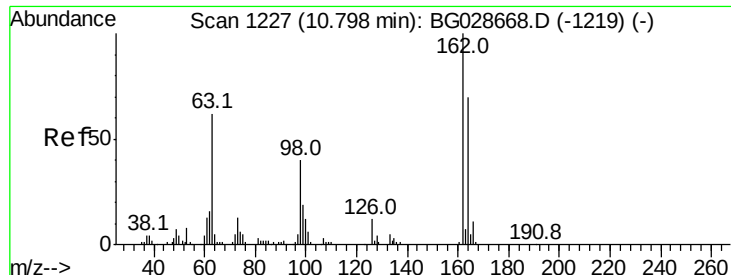
109 0.0 38.6 58.0#

65 0.0 57.1 85.7#



Abundance Ion 139.00 (138.70 to 139.70): BGC
Ion 109.00 (108.70 to 109.70): BGC
Ion 65.00 (64.70 to 65.70): BGC





#29

2,4-Dichlorophenol

Concen: 0.051 ng

RT: 10.98 min Scan# 1258

Delta R.T. 0.18 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

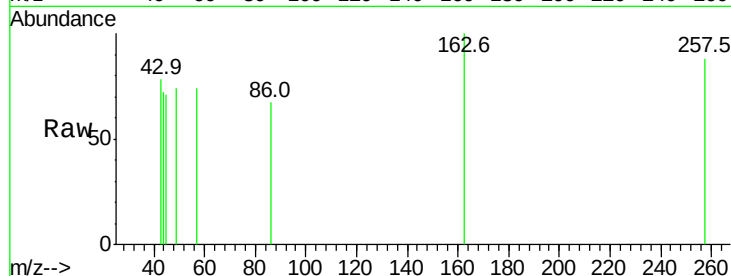
Tot Ion:162 Resp: 84

Ion Ratio Lower Upper

162 100

164 0.0 42.4 82.4#

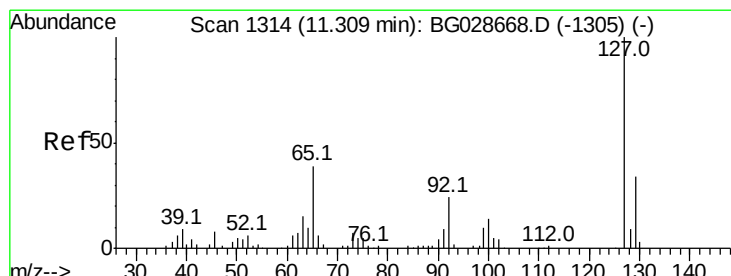
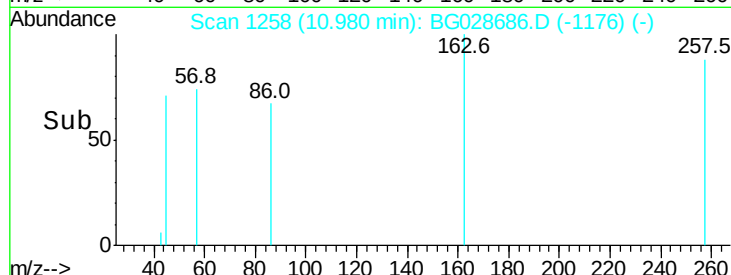
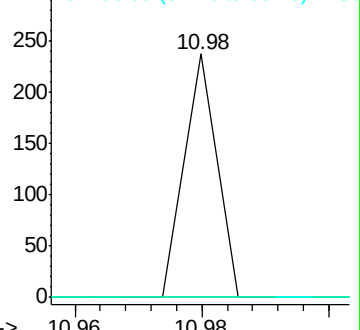
98 0.0 20.3 60.3#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BGC



#33

4-Chloroaniline

Concen: 0.034 ng

RT: 11.14 min Scan# 1286

Delta R.T. -0.16 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Tgt Ion:127 Resp: 69

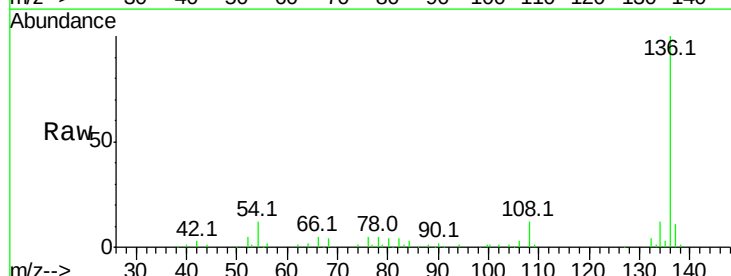
Ion Ratio Lower Upper

127 100

129 0.0 23.6 35.4#

65 0.0 37.7 56.5#

92 0.0 17.6 26.4#

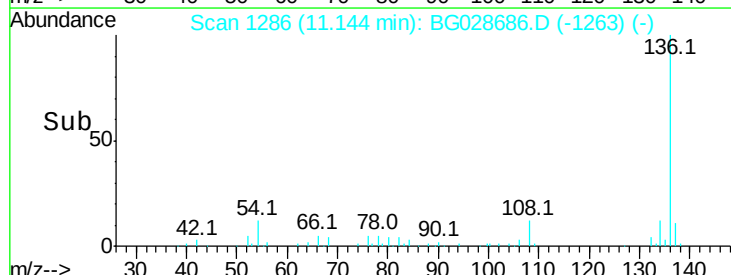
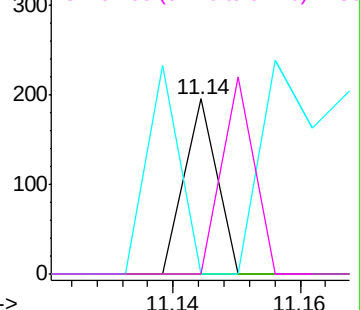


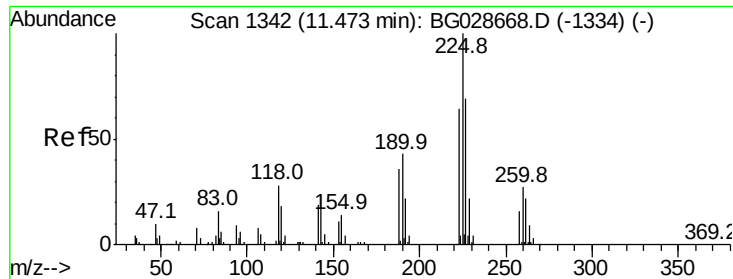
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BGC

Ion 92.00 (91.70 to 92.70): BGC





#34

Hexachlorobutadiene

Concen: 0.040 ng

RT: 11.21 min Scan# 1298

Delta R.T. -0.26 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

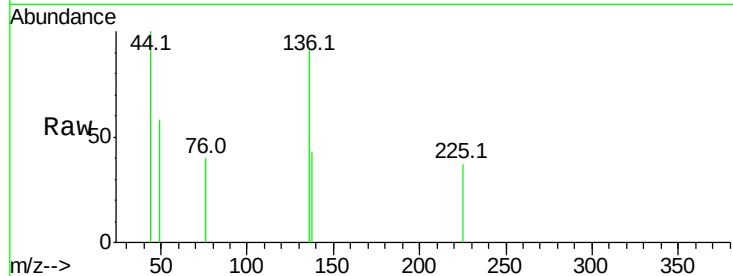
Tot Ion:225 Resp: 55

Ion Ratio Lower Upper

225 100

223 0.0 50.7 76.1#

227 0.0 49.0 73.6#



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

11.21

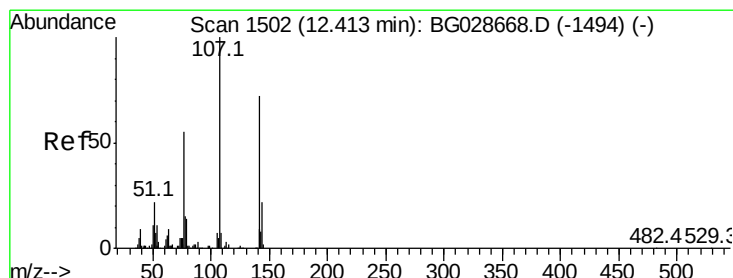
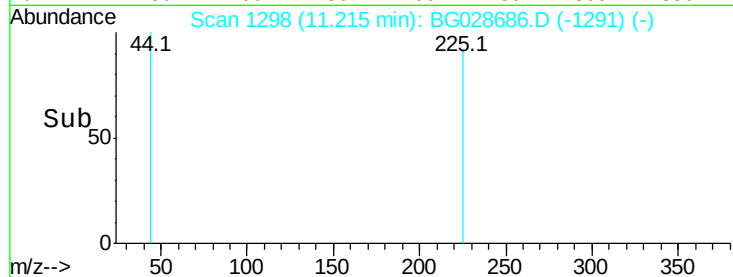
150

100

50

0

Time-->



#36

4-Chloro-3-methylphenol

Concen: 0.029 ng

RT: 12.45 min Scan# 1508

Delta R.T. 0.04 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

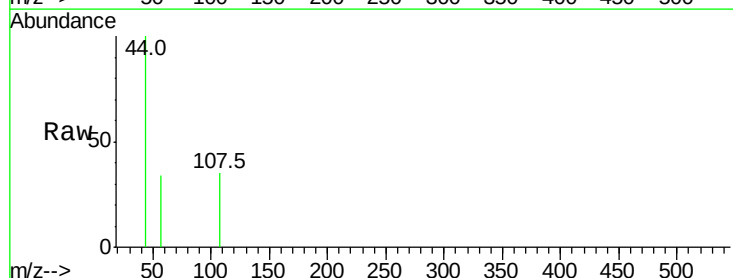
Tgt Ion:107 Resp: 62

Ion Ratio Lower Upper

107 100

144 0.0 17.4 26.0#

142 0.0 54.1 81.1#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

12.45

200

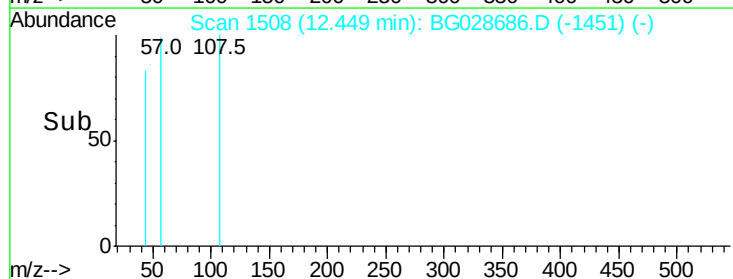
150

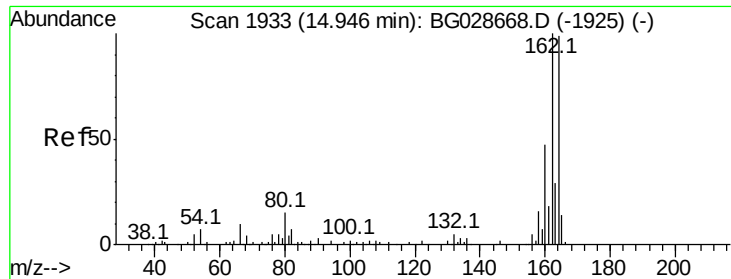
100

50

0

Time-->

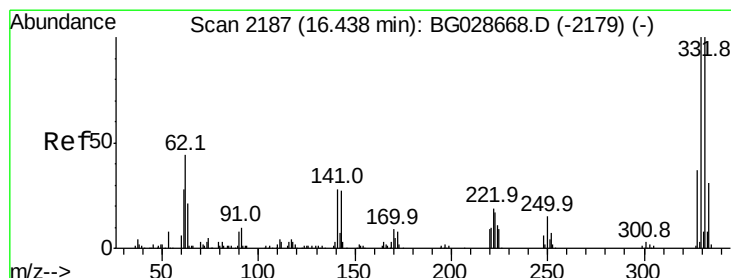
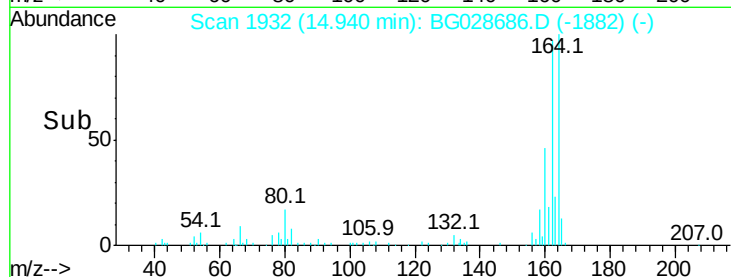
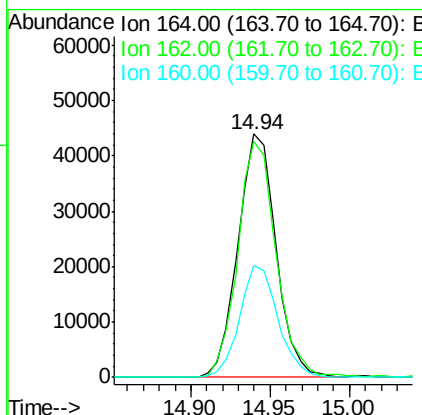
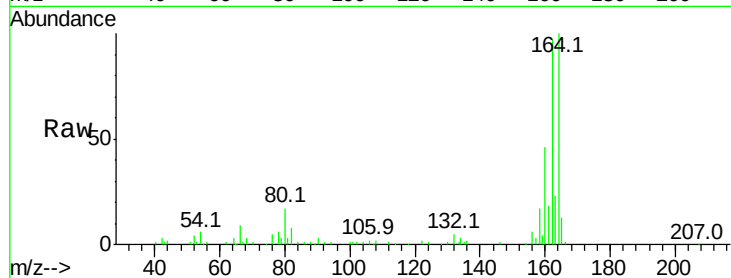




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.94 min Scan# 1932
 Delta R.T. -0.01 min
 Lab File: BG028686.D
 Acq: 13 Sep 2017 1:46

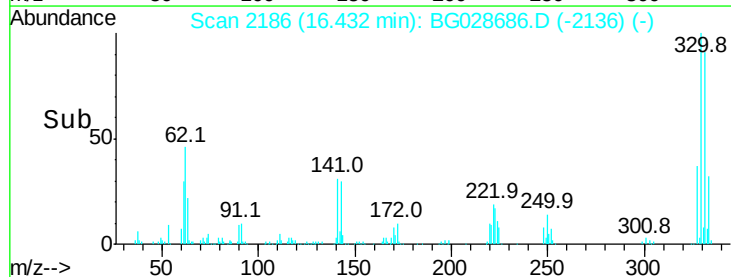
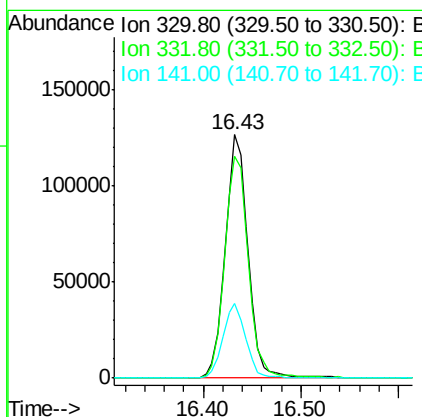
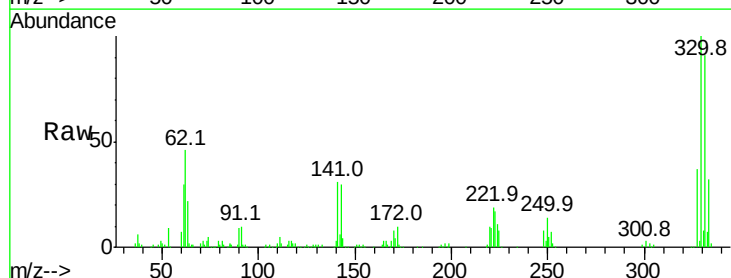
Instrument :
 BNA_G
 ClientSampleId :
 FB-01-090817

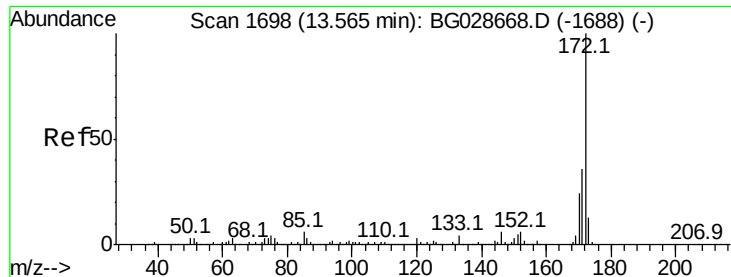
Tot Ion:164 Resp: 73148
 Ion Ratio Lower Upper
 164 100
 162 96.7 85.1 127.7
 160 45.9 34.7 52.1



#41
 2,4,6-Tribromophenol
 Concen: 169.035 ng
 RT: 16.43 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: BG028686.D
 Acq: 13 Sep 2017 1:46

Tgt Ion:330 Resp: 204503
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.3 115.9
 141 31.0 32.1 48.1#

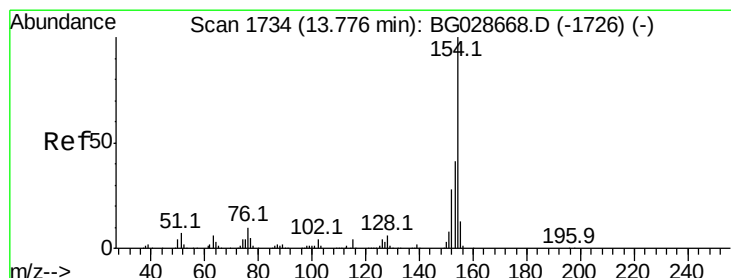
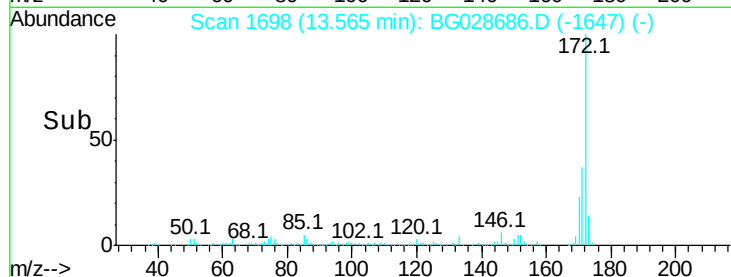
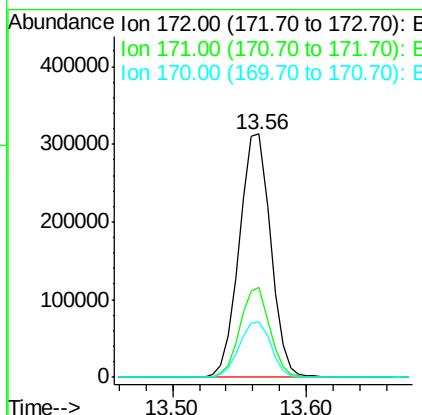
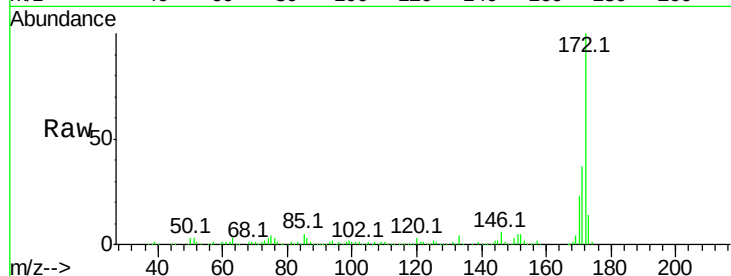




#44
2-Fluorobiphenyl
Concen: 92.962 ng
RT: 13.56 min Scan# 1698
Delta R.T. 0.00 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

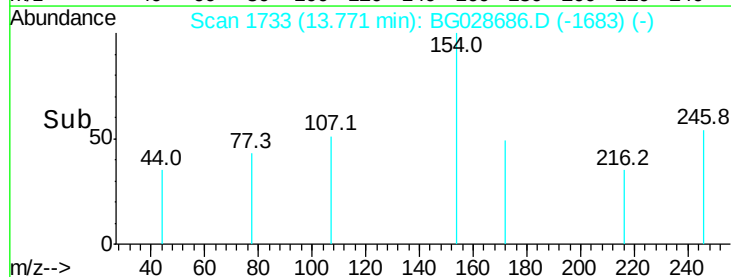
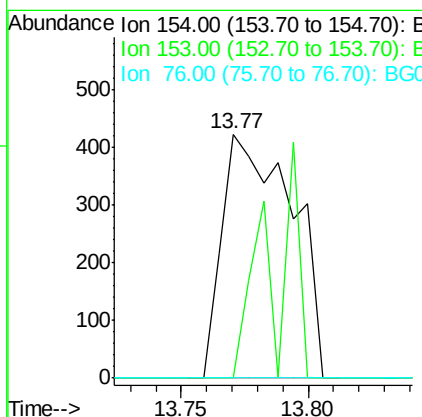
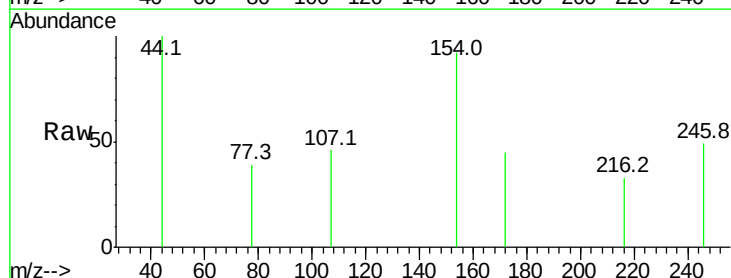
Instrument :
BNA_G
ClientSampleId :
FB-01-090817

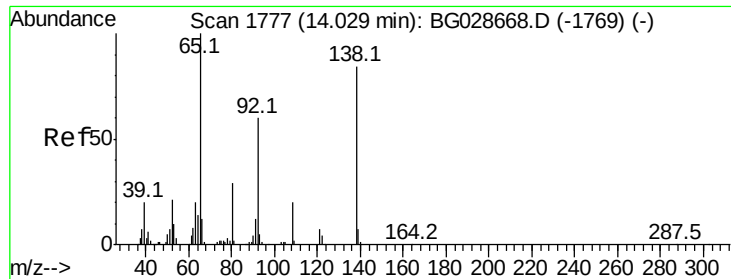
Tot Ion:172 Resp: 509966
Ion Ratio Lower Upper
172 100
171 37.0 32.2 48.2
170 22.8 21.8 32.6



#45
1,1'-Biphenyl
Concen: 0.135 ng
RT: 13.77 min Scan# 1733
Delta R.T. -0.01 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

Tgt Ion:154 Resp: 817
Ion Ratio Lower Upper
154 100
153 0.0 23.0 63.0#
76 0.0 0.0 33.5

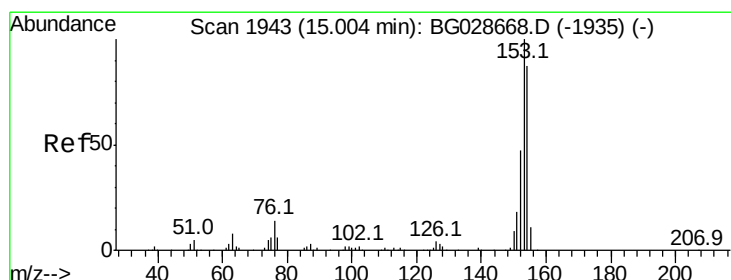
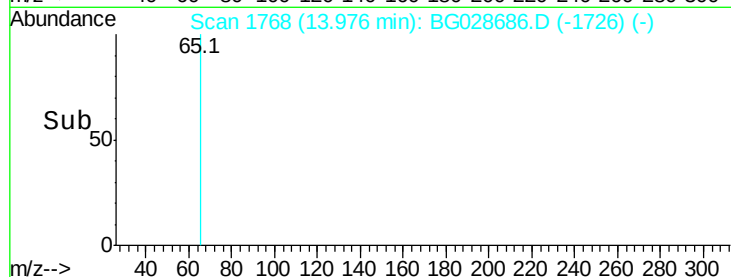
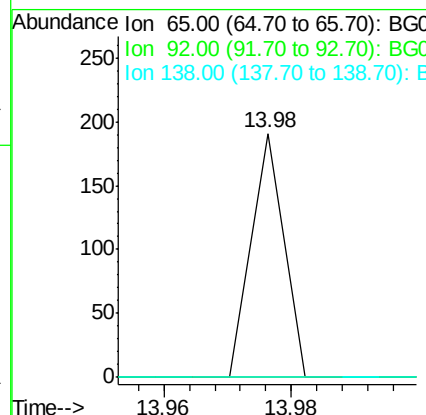
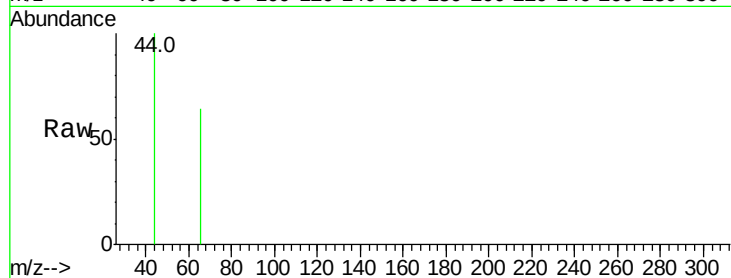




#47
2-Nitroaniline
Concen: 0.041 ng
RT: 13.98 min Scan# 1768
Delta R.T. -0.05 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

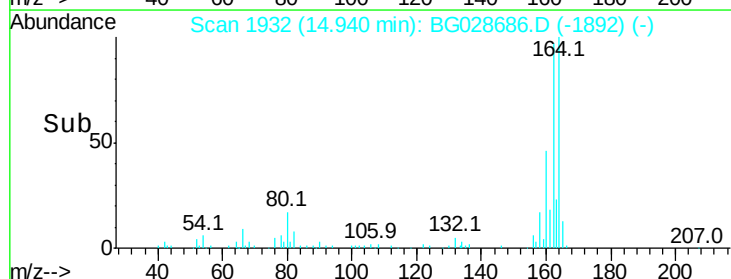
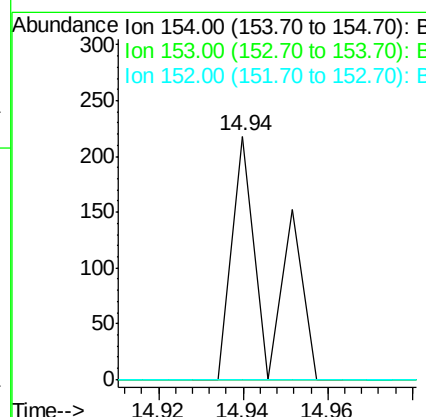
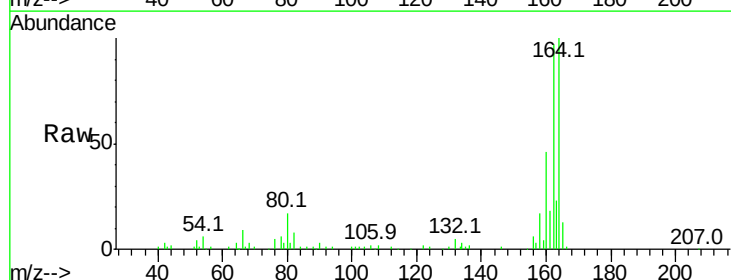
Instrument :
BNA_G
ClientSampleId :
FB-01-090817

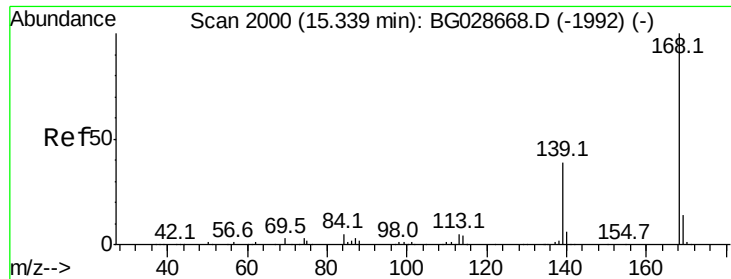
Tot Ion: 65 Resp: 67
Ion Ratio Lower Upper
65 100
92 0.0 49.0 73.4#
138 0.0 58.6 87.8#



#51
Acenaphthene
Concen: 0.030 ng
RT: 14.94 min Scan# 1932
Delta R.T. -0.06 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

Tgt Ion: 154 Resp: 130
Ion Ratio Lower Upper
154 100
153 0.0 87.8 131.6#
152 0.0 42.2 63.4#





#54

Dibenzenofuran

Concen: 0.008 ng

RT: 15.35 min Scan# 2001

Delta R.T. 0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

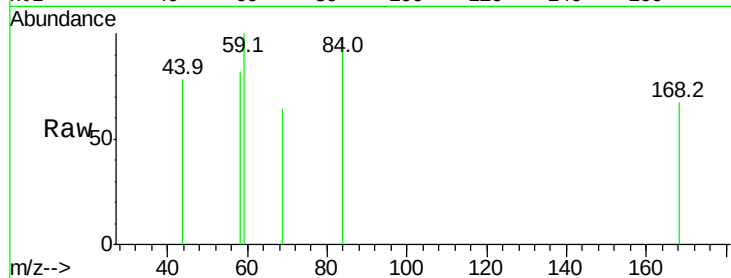
Tot Ion:168 Resp: 58

Ion Ratio Lower Upper

168 100

139 0.0 35.3 52.9#

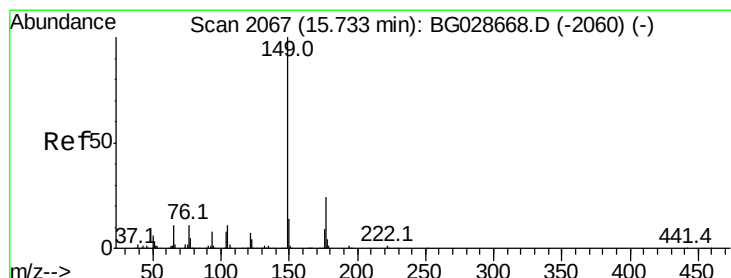
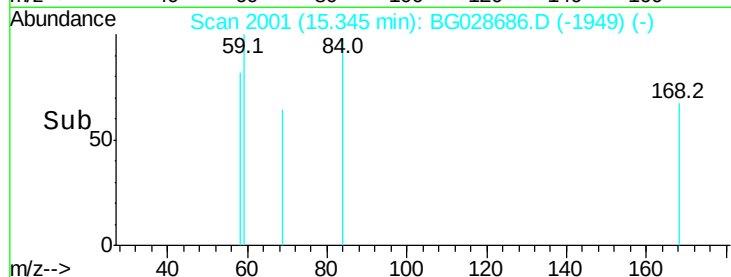
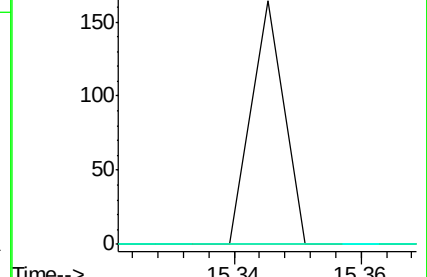
169 0.0 11.5 17.3#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#59

Diethylphthalate

Concen: 0.028 ng

RT: 15.73 min Scan# 2066

Delta R.T. -0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

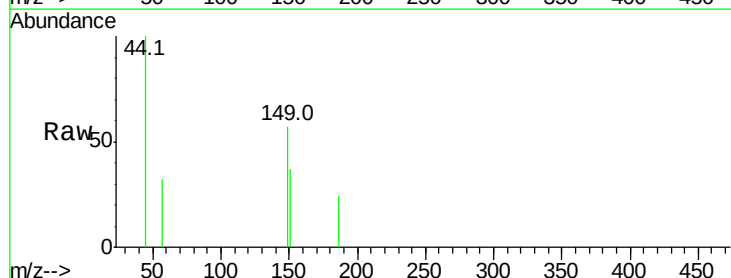
Tgt Ion:149 Resp: 178

Ion Ratio Lower Upper

149 100

177 0.0 20.1 30.1#

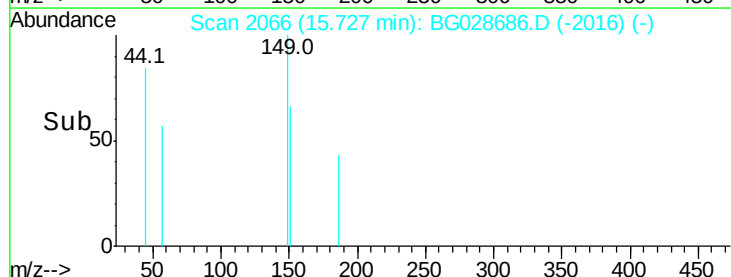
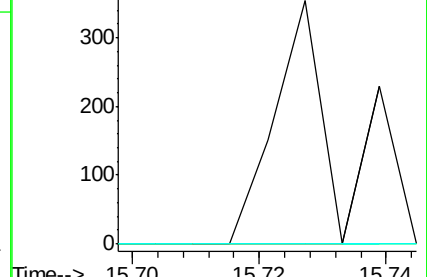
150 0.0 10.2 15.2#

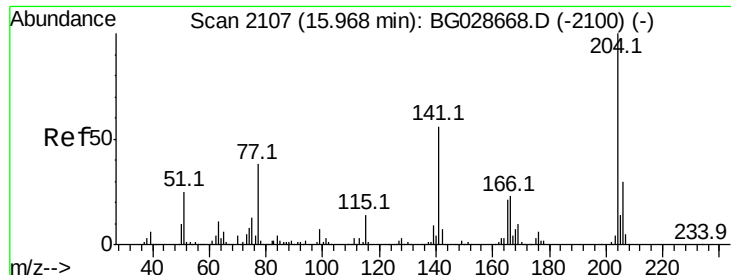


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

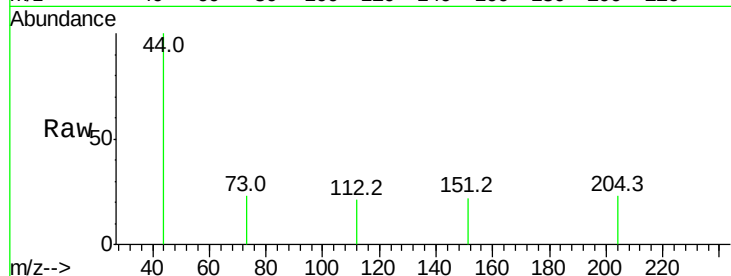




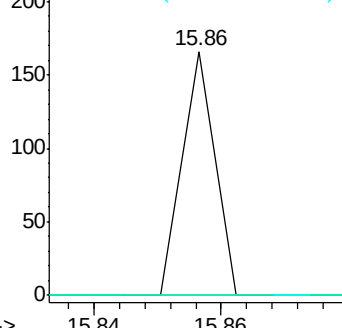
#60
4-Chlorophenyl-phenylether
Concen: 0.017 ng
RT: 15.86 min Scan# 2088
Delta R.T. -0.11 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

Instrument :
BNA_G
ClientSampleId :
FB-01-090817

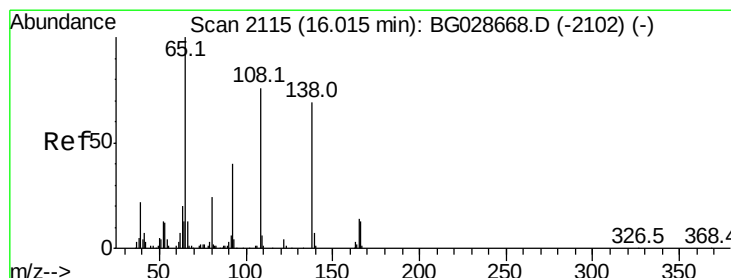
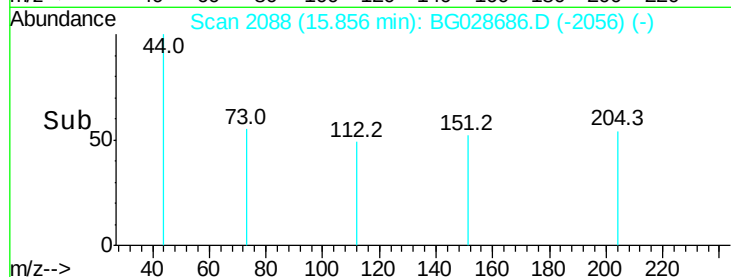
Tot Ion:204 Resp: 59
Ion Ratio Lower Upper
204 100
206 0.0 30.1 45.1#
141 0.0 50.6 76.0#



Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

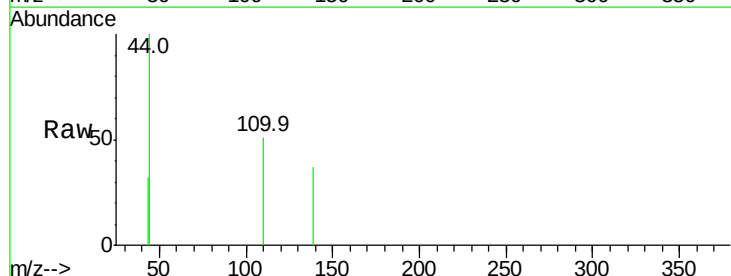


Time-->

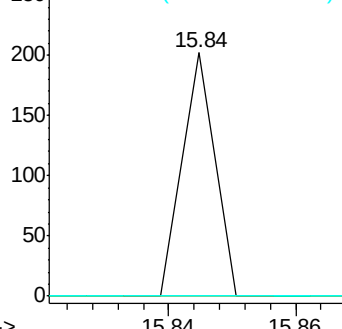


#61
4-Nitroaniline
Concen: 0.056 ng
RT: 15.84 min Scan# 2086
Delta R.T. -0.17 min
Lab File: BG028686.D
Acq: 13 Sep 2017 1:46

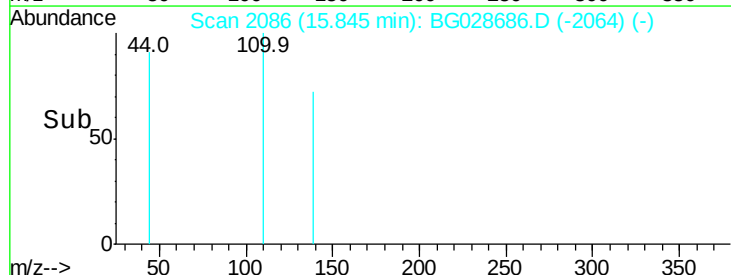
Tgt Ion:138 Resp: 71
Ion Ratio Lower Upper
138 100
92 0.0 44.2 84.2#
108 0.0 104.8 144.8#

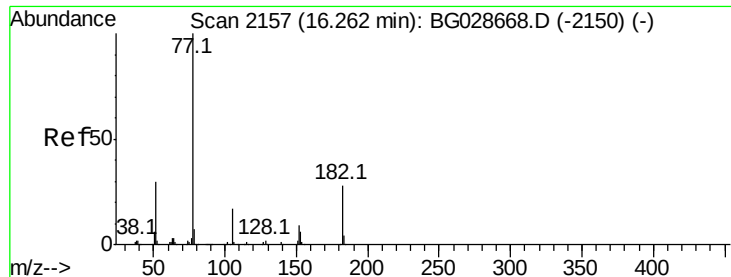


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BG
Ion 108.00 (107.70 to 108.70): E



Time-->





#62

Azobenzene

Concen: 0.011 ng

RT: 16.09 min Scan# 2127

Delta R.T. -0.18 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

Tot Ion: 77 Resp: 56

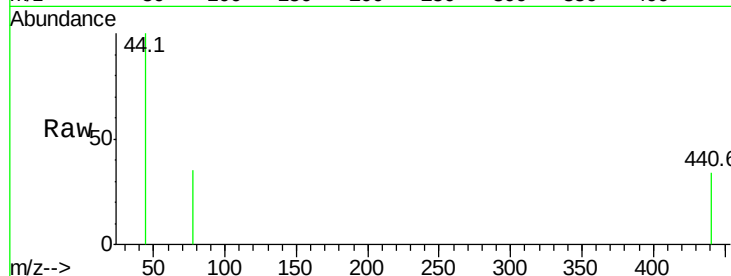
Ion Ratio Lower Upper

77 100

182 0.0 4.7 44.7#

105 0.0 0.0 36.3

51 0.0 16.4 56.4#

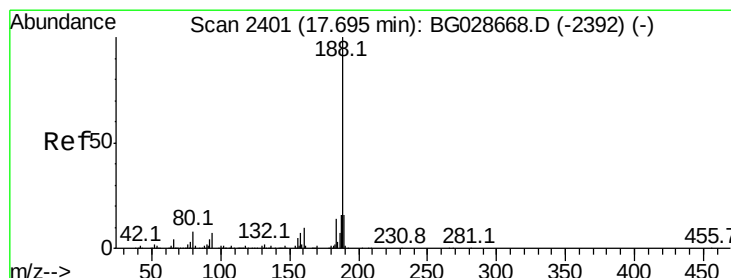
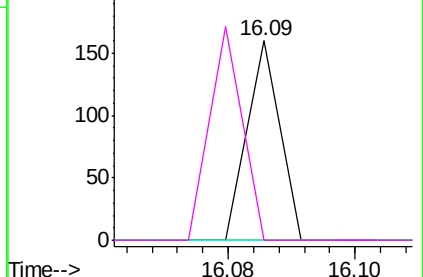
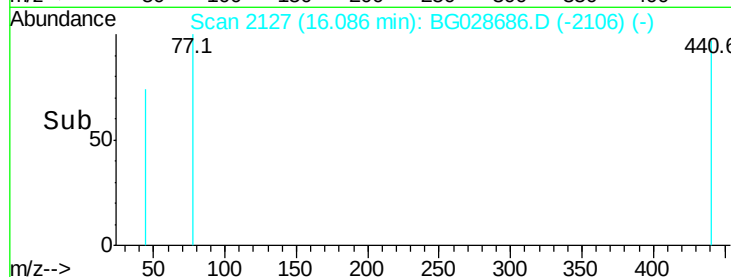


Abundance Ion 77.00 (76.70 to 77.70): BG

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BG



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.69 min Scan# 2400

Delta R.T. -0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

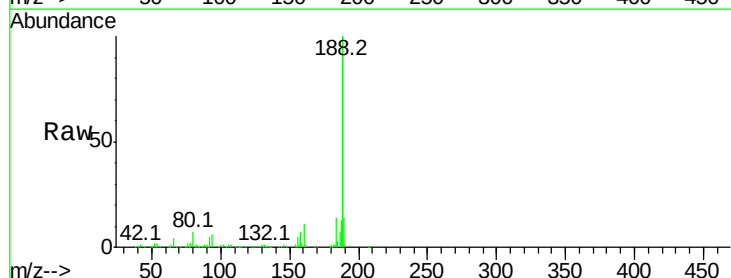
Tgt Ion: 188 Resp: 218924

Ion Ratio Lower Upper

188 100

94 6.2 5.8 8.8

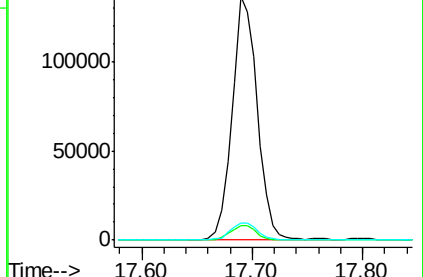
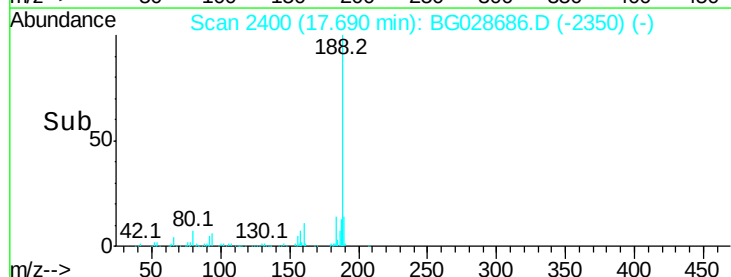
80 6.8 7.5 11.3#

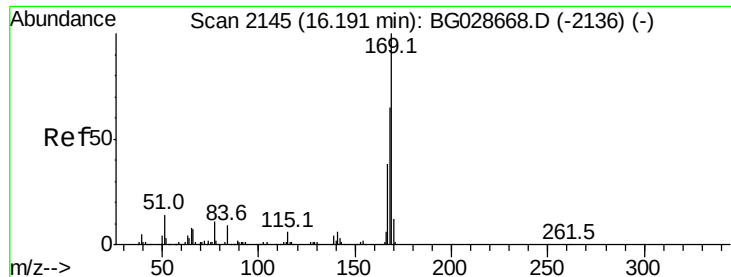


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG





#65

n-Nitrosodiphenylamine

Concen: 1.070 ng

RT: 16.43 min Scan# 2186

Delta R.T. 0.24 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

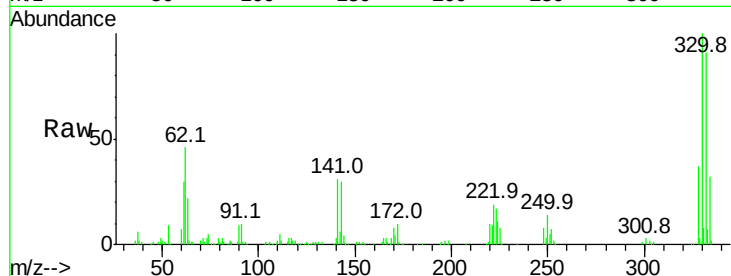
Tot Ion:169 Resp: 6714

Ion Ratio Lower Upper

169 100

168 8.7 55.7 83.5#

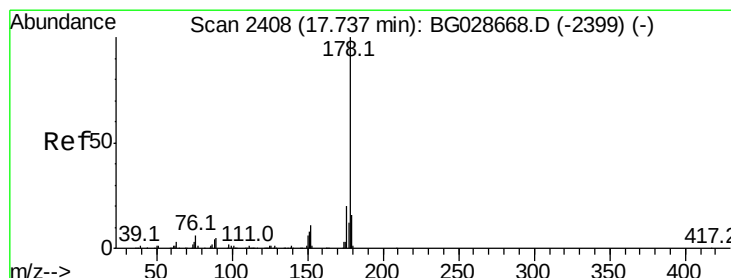
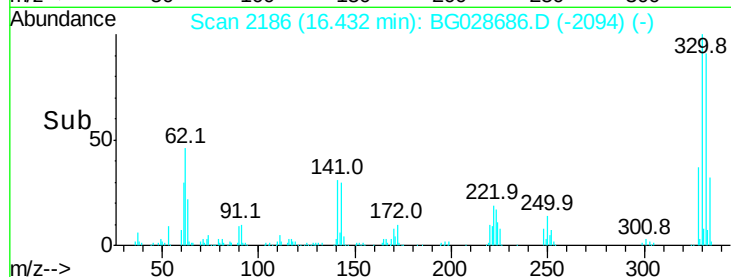
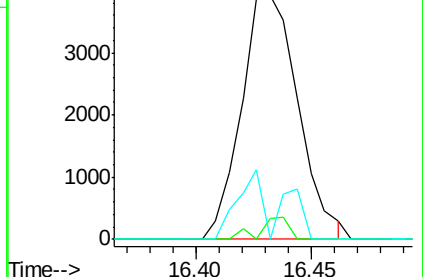
167 0.0 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#70

Phenanthrene

Concen: 0.005 ng

RT: 17.89 min Scan# 2434

Delta R.T. 0.15 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

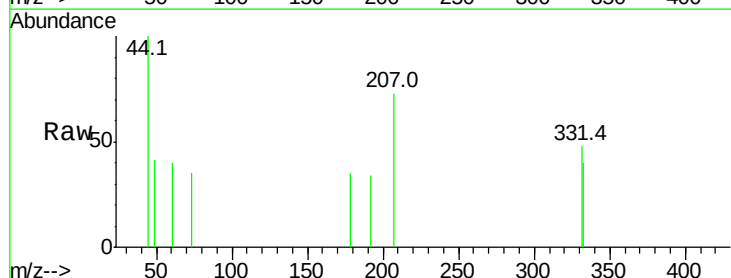
Tgt Ion:178 Resp: 56

Ion Ratio Lower Upper

178 100

176 0.0 17.7 26.5#

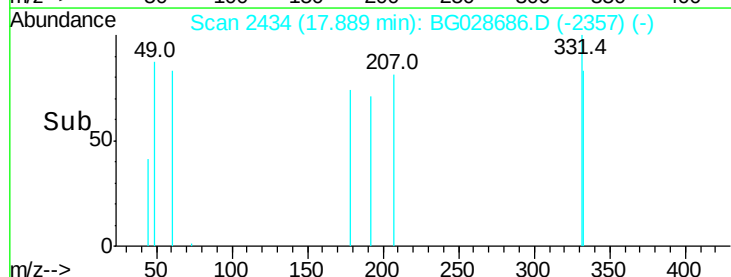
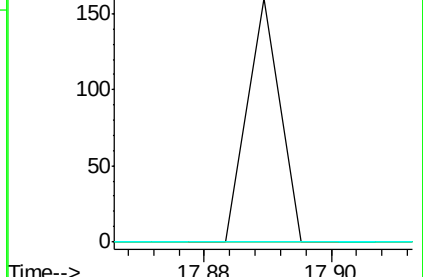
179 0.0 15.0 22.6#

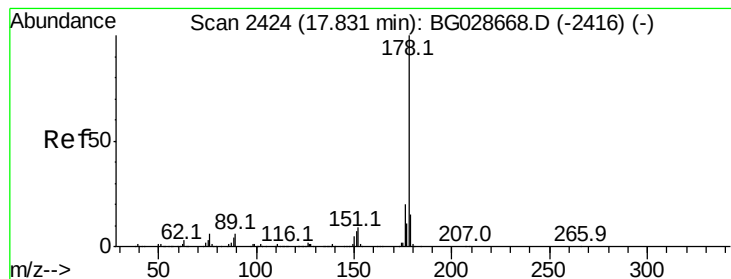


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 0.005 ng

RT: 17.89 min Scan# 2434

Delta R.T. 0.06 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

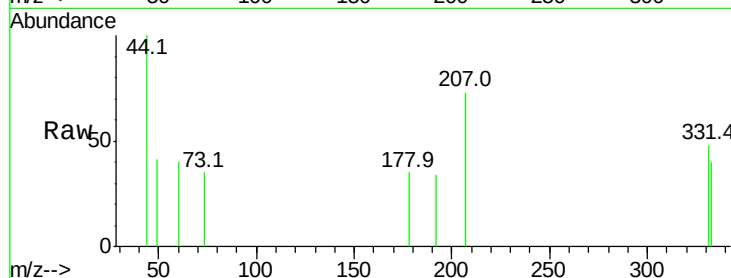
Tot Ion:178 Resp: 56

Ion Ratio Lower Upper

178 100

176 0.0 16.4 24.6#

179 0.0 13.8 20.8#



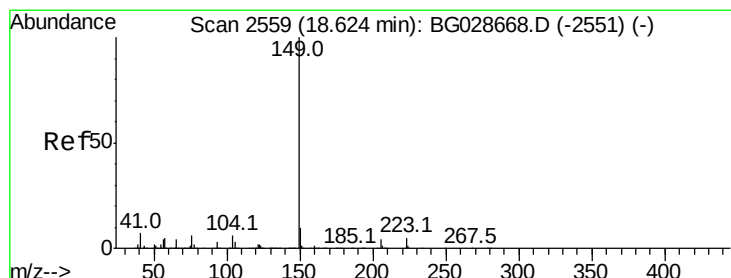
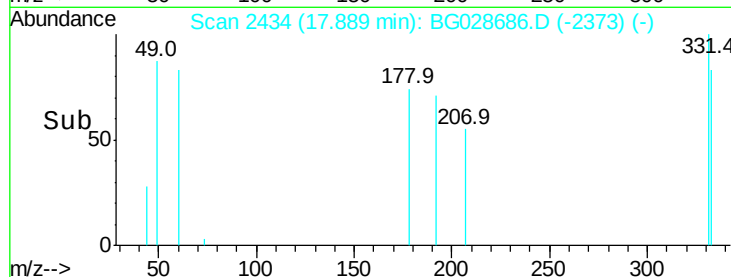
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

17.89

Time-->



#73

Di-n-butylphthalate

Concen: 0.099 ng

RT: 18.64 min Scan# 2561

Delta R.T. 0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

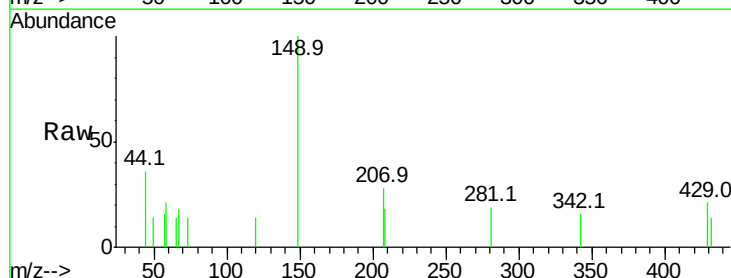
Tgt Ion:149 Resp: 1233

Ion Ratio Lower Upper

149 100

150 0.0 9.1 13.7#

104 0.0 6.7 10.1#



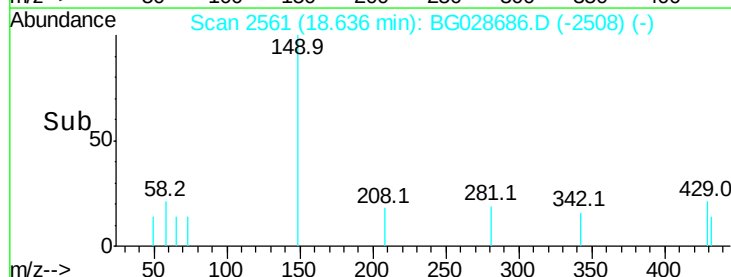
Abundance Ion 149.00 (148.70 to 149.70): E

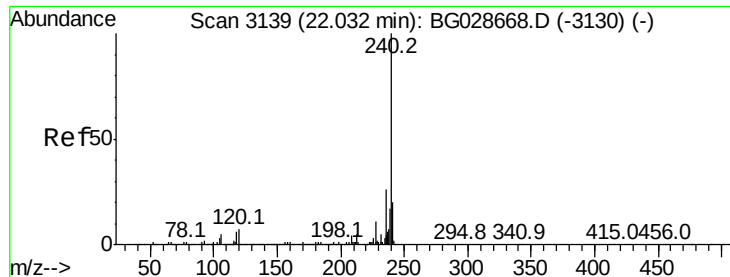
Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

18.64

Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.03 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

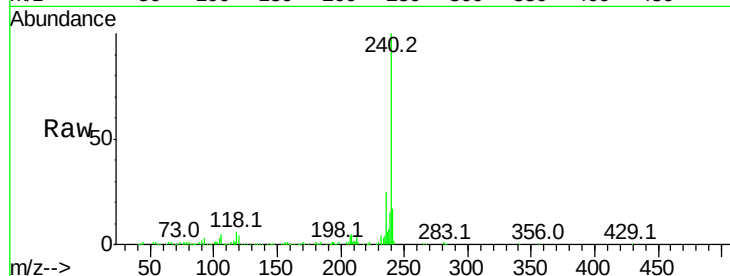
Tot Ion:240 Resp: 247643

Ion Ratio Lower Upper

240 100

120 4.2 5.7 8.5#

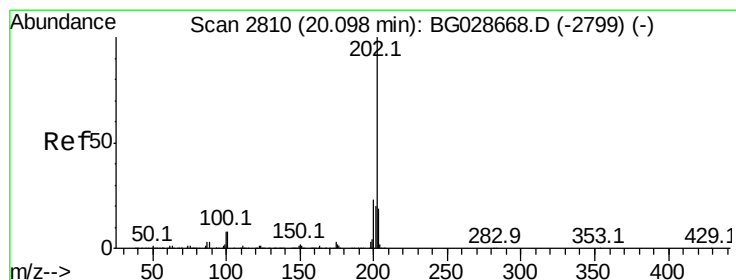
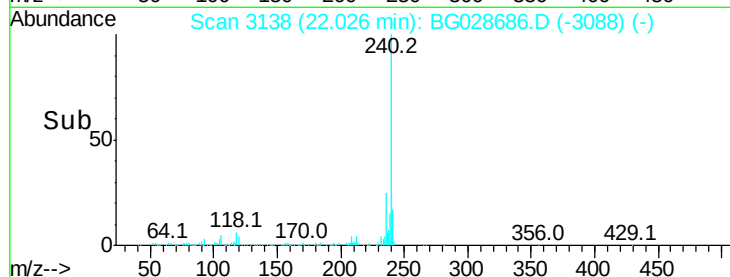
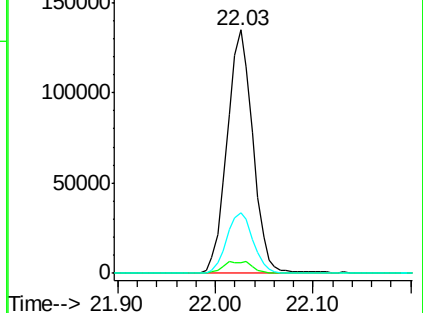
236 24.9 22.2 33.4



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: 0.267 ng

RT: 20.27 min Scan# 2840

Delta R.T. 0.18 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

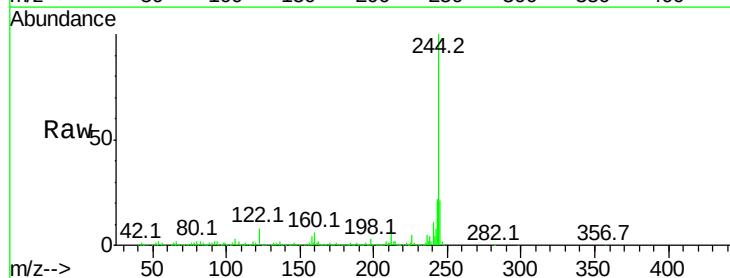
Tgt Ion:202 Resp: 3810

Ion Ratio Lower Upper

202 100

200 48.1 19.6 29.4#

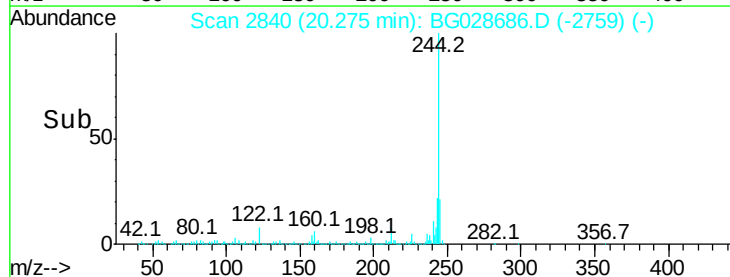
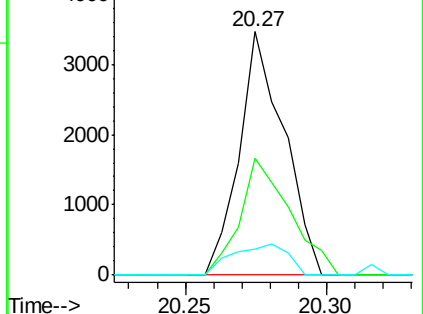
203 10.5 15.8 23.8#

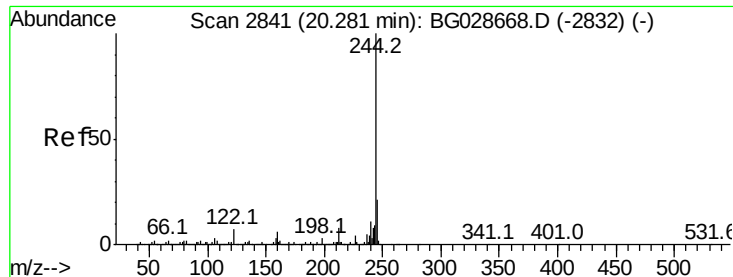


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 98.697 ng

RT: 20.28 min Scan# 2841

Delta R.T. 0.00 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

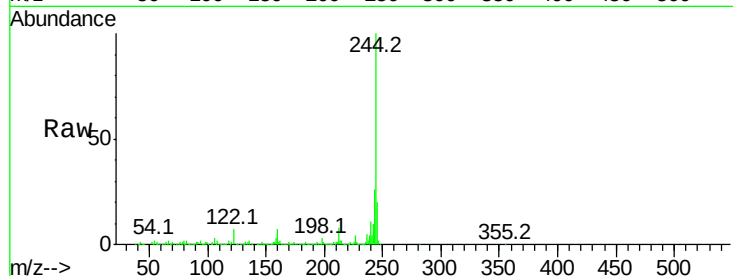
Tot Ion:244 Resp: 1146112

Ion Ratio Lower Upper

244 100

212 8.0 10.0 15.0#

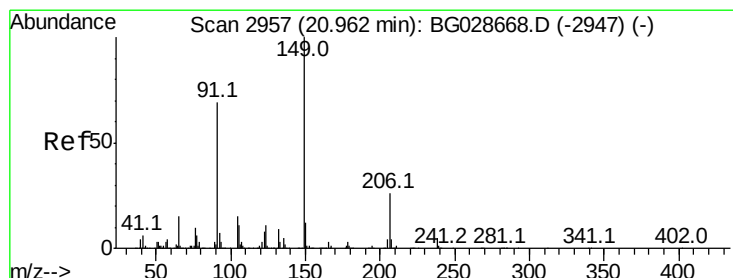
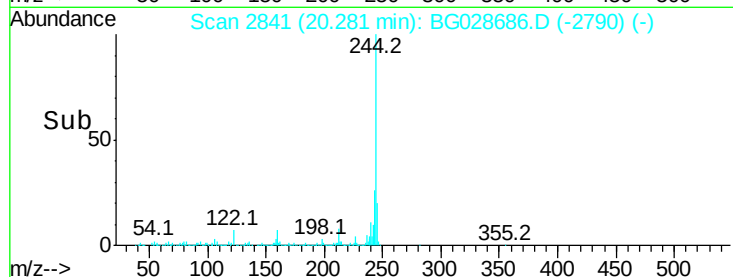
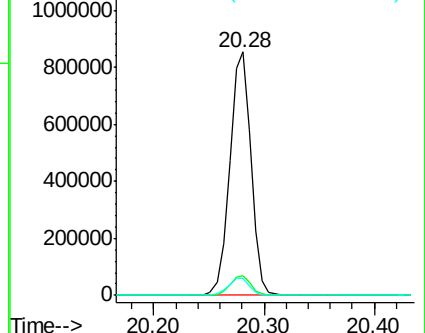
122 7.1 8.6 12.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#79

Butylbenzylphthalate

Concen: 0.033 ng

RT: 20.96 min Scan# 2957

Delta R.T. 0.00 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

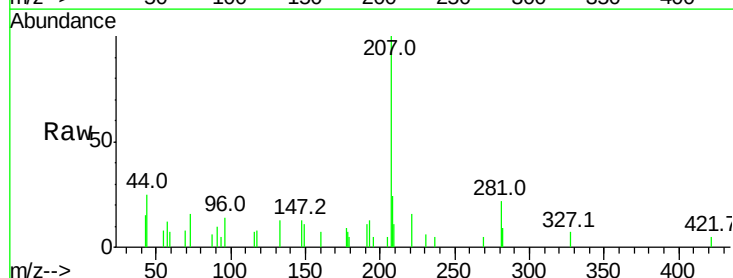
Tgt Ion:149 Resp: 192

Ion Ratio Lower Upper

149 100

91 91.3 63.5 95.3

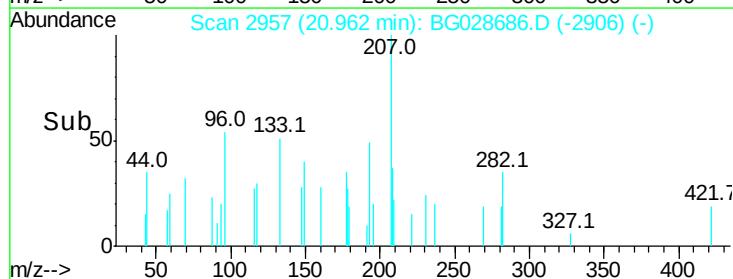
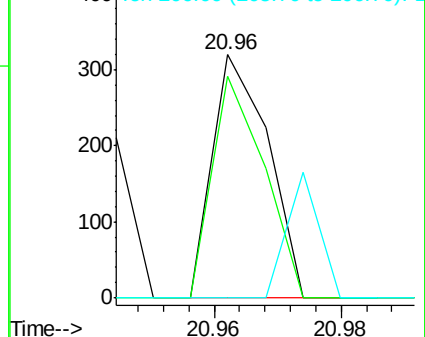
206 0.0 21.0 31.6#

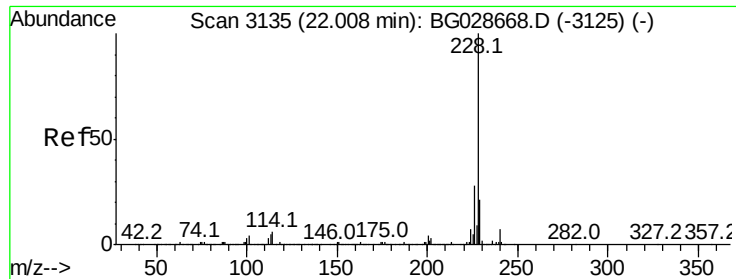


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 0.071 ng

RT: 22.03 min Scan# 3139

Delta R.T. 0.02 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

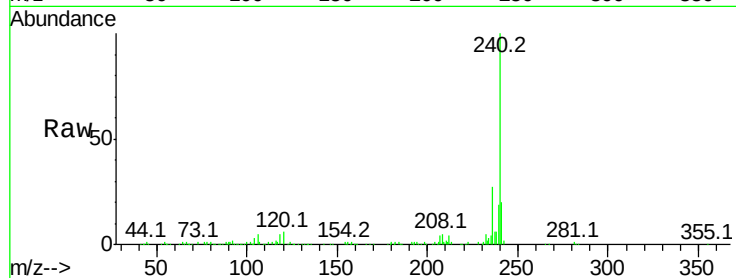
Tot Ion:228 Resp: 1053

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

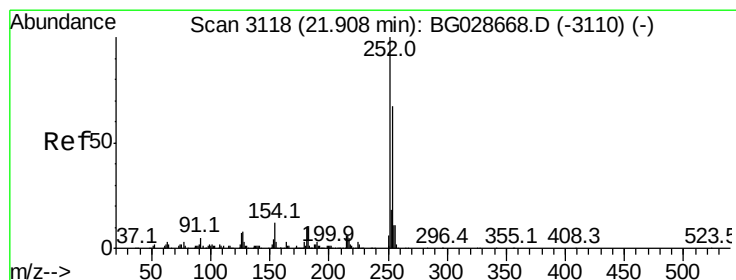
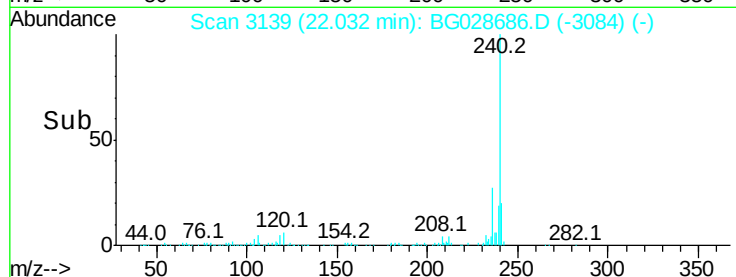
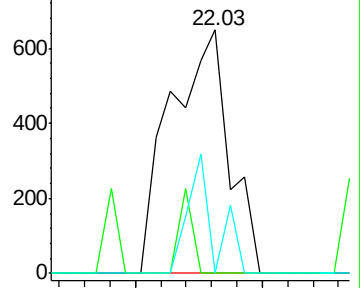
229 0.0 18.2 27.2#



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



#81

3,3'-Dichlorobenzidine

Concen: 0.010 ng

RT: 21.87 min Scan# 3111

Delta R.T. -0.04 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

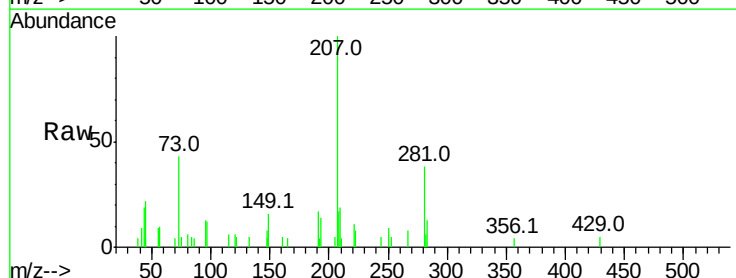
Tgt Ion:252 Resp: 62

Ion Ratio Lower Upper

252 100

254 0.0 53.1 79.7#

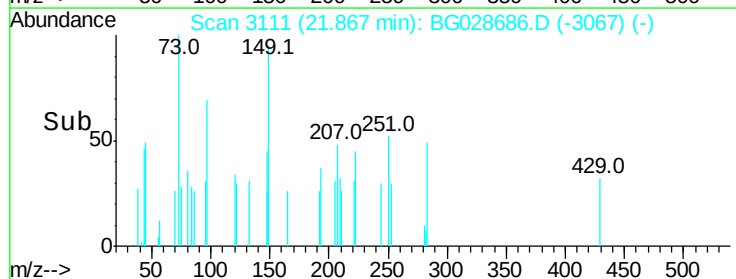
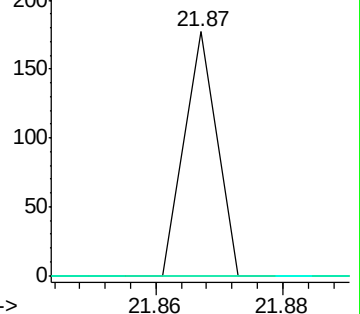
126 0.0 7.0 10.4#

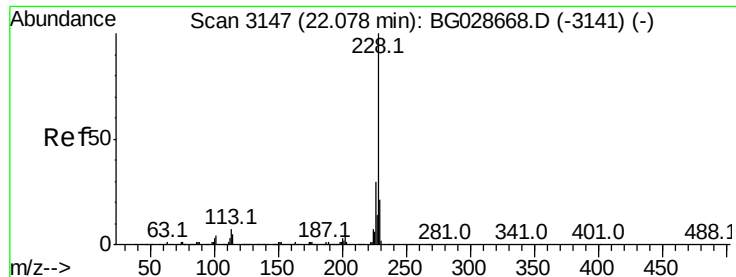


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#82

Chrysene

Concen: 0.074 ng

RT: 22.03 min Scan# 3139

Delta R.T. -0.05 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

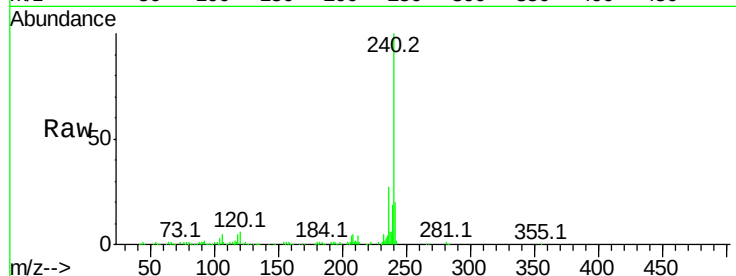
Tot Ion:228 Resp: 1053

Ion Ratio Lower Upper

228 100

226 0.0 27.0 40.4#

229 0.0 17.8 26.6#



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

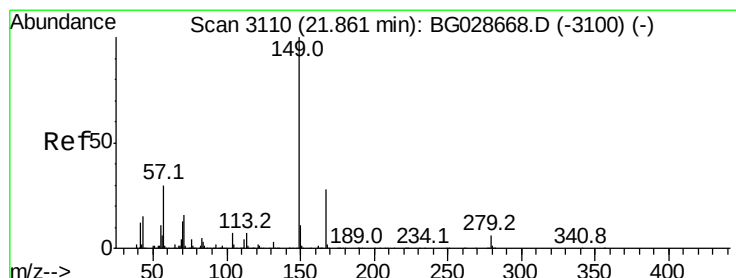
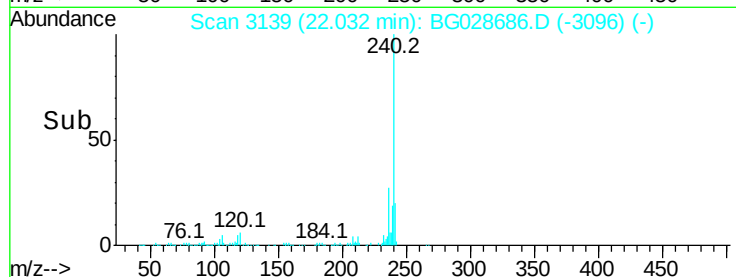
22.03

400

200

0

Time-->



#83

Bis(2-ethylhexyl)phthalate

Concen: 0.139 ng

RT: 21.87 min Scan# 3111

Delta R.T. 0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

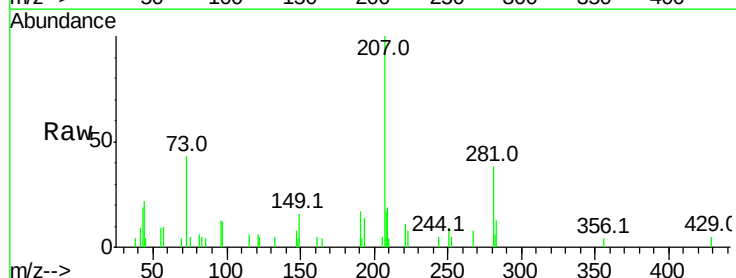
Tgt Ion:149 Resp: 1141

Ion Ratio Lower Upper

149 100

167 0.0 23.7 35.5#

279 0.0 4.6 6.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

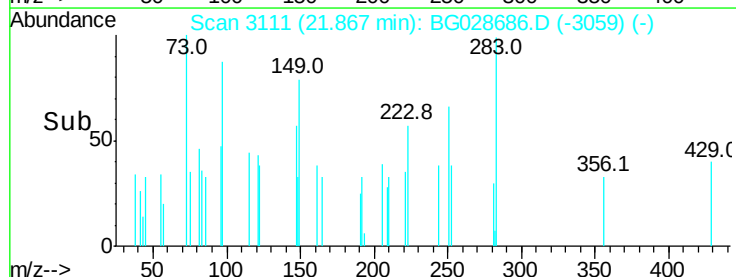
21.87

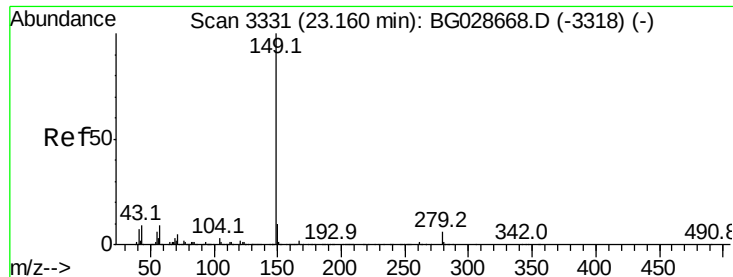
400

200

0

Time-->





#84

Di-n-octyl phthalate

Concen: 0.014 ng

RT: 23.15 min Scan# 3329

Delta R.T. -0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

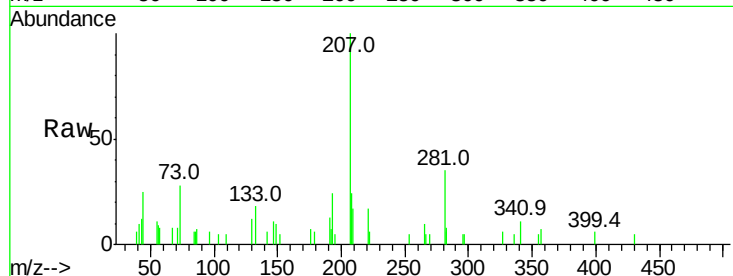
Tot Ion:149 Resp: 195

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.2#

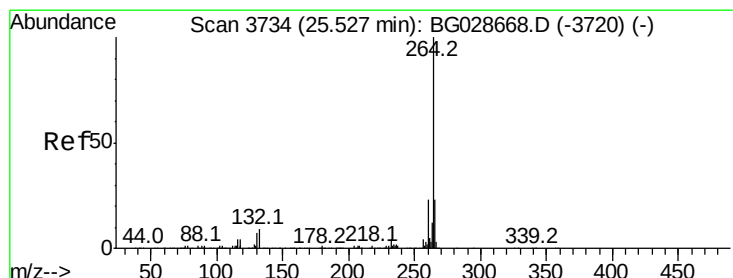
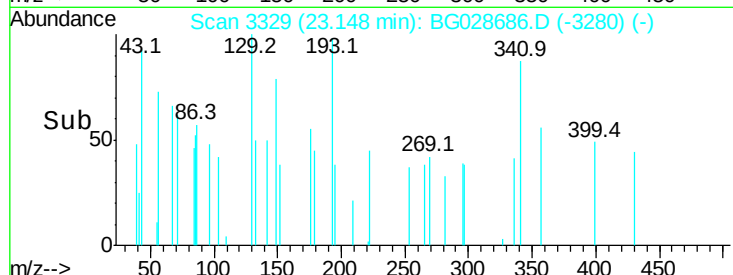
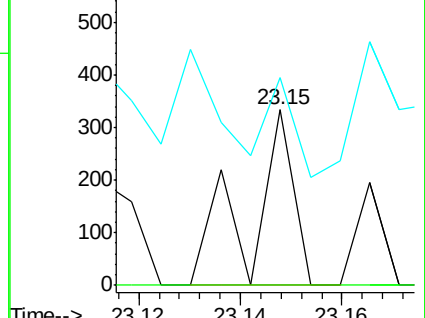
43 0.0 11.8 17.6#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.52 min Scan# 3733

Delta R.T. -0.01 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

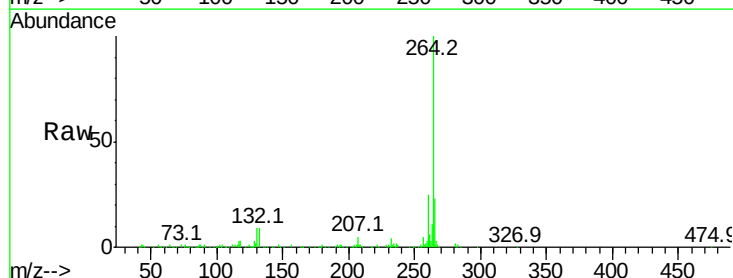
Tgt Ion:264 Resp: 253003

Ion Ratio Lower Upper

264 100

260 24.7 21.8 32.8

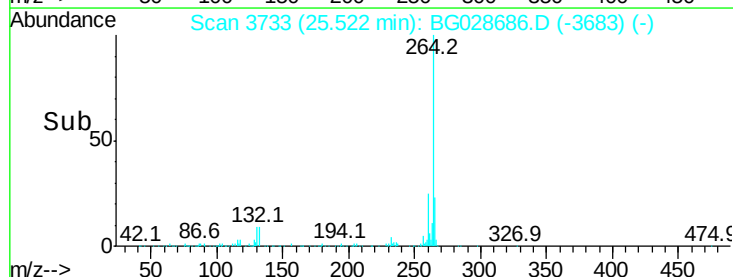
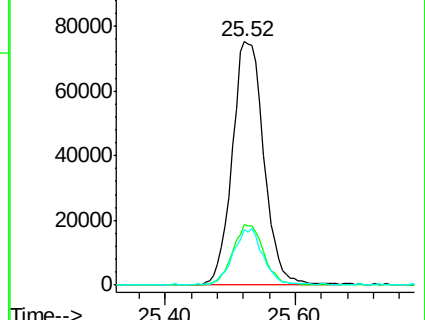
265 22.8 18.2 27.4

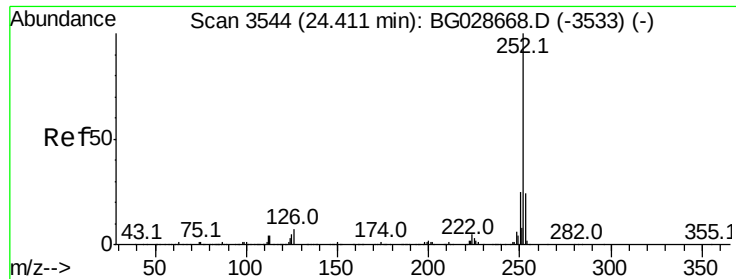


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 0.004 ng

RT: 24.35 min Scan# 3533

Delta R.T. -0.06 min

Lab File: BG028668.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

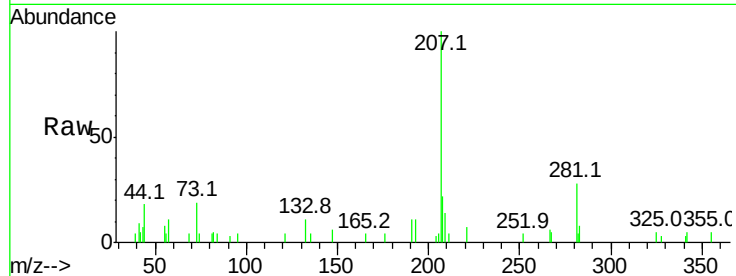
Tot Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 0.0 18.7 28.1#

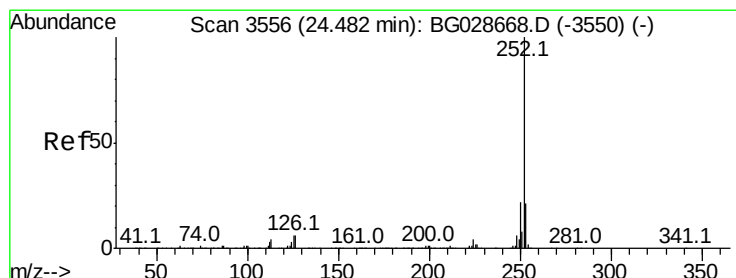
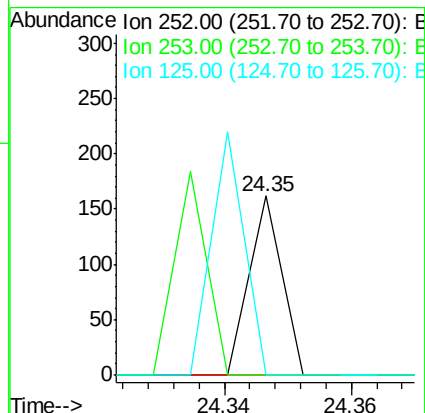
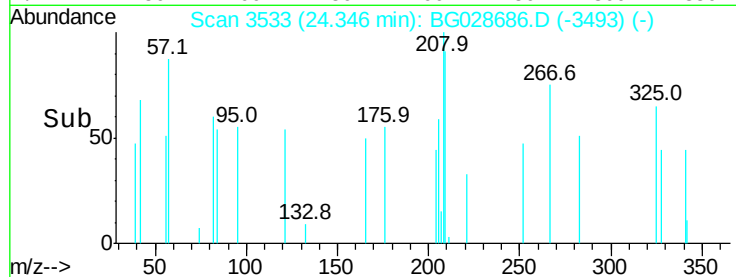
125 0.0 5.3 7.9#



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: 0.004 ng

RT: 24.35 min Scan# 3533

Delta R.T. -0.14 min

Lab File: BG028668.D

Acq: 13 Sep 2017 1:46

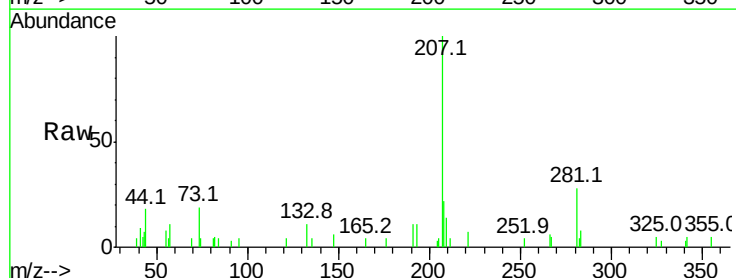
Tgt Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 0.0 20.2 30.2#

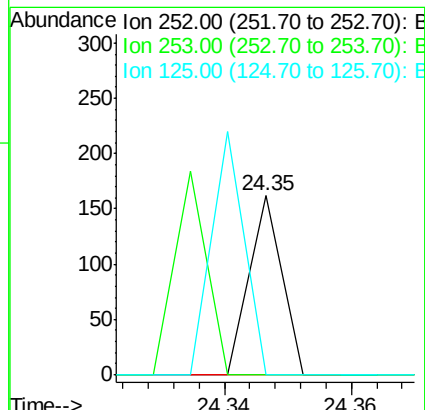
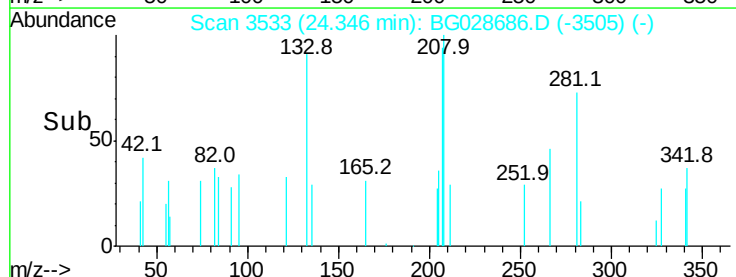
125 0.0 5.1 7.7#

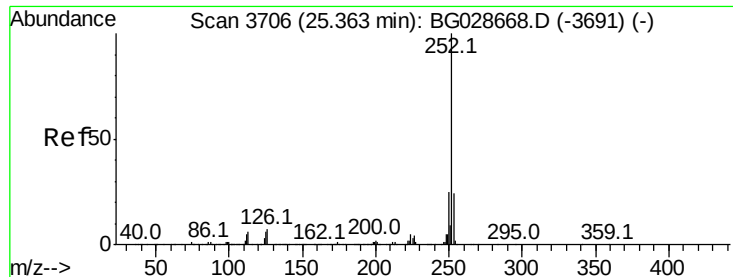


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 0.007 ng

RT: 25.43 min Scan# 3718

Delta R.T. 0.07 min

Lab File: BG028686.D

Acq: 13 Sep 2017 1:46

Instrument :

BNA_G

ClientSampleId :

FB-01-090817

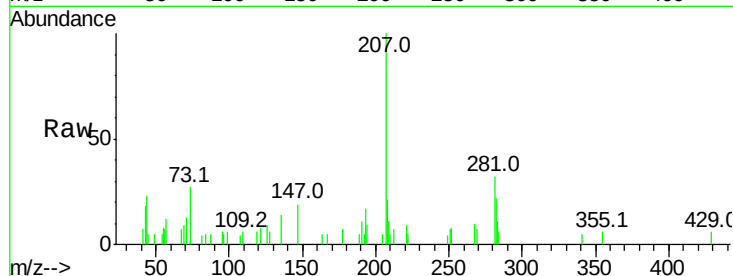
Tot Ion:252 Resp: 103

Ion Ratio Lower Upper

252 100

253 0.0 19.2 28.8#

125 0.0 5.4 8.0#



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

