

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050815\
 Data File : BG017019.D
 Acq On : 10 May 2015 10:50
 Operator : TP/IZ
 Sample : G2171-01
 Misc :
 ALS Vial : 61 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-131-5515

Quant Time: May 11 01:31:06 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG050515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 05 16:13:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	58531	20.00	ng	-0.01
21) Naphthalene-d8	10.58	136	283368	20.00	ng	-0.02
38) Acenaphthene-d10	14.43	164	191285	20.00	ng	-0.02
63) Phenanthrene-d10	17.17	188	414134	20.00	ng	-0.02
75) Chrysene-d12	21.34	240	394295	20.00	ng	-0.03
86) Perylene-d12	23.64	264	383154	20.00	ng	-0.04

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	224057	66.65	ng	0.00
7) Phenol-d6	6.97	99	203772	42.43	ng	0.00
23) Nitrobenzene-d5	8.95	82	503444	86.79	ng	-0.02
41) 2,4,6-Tribromophenol	15.92	330	296230	154.26	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	1078255	85.06	ng	-0.02
78) Terphenyl-d14	19.80	244	1606077	95.49	ng	-0.02

Target Compounds

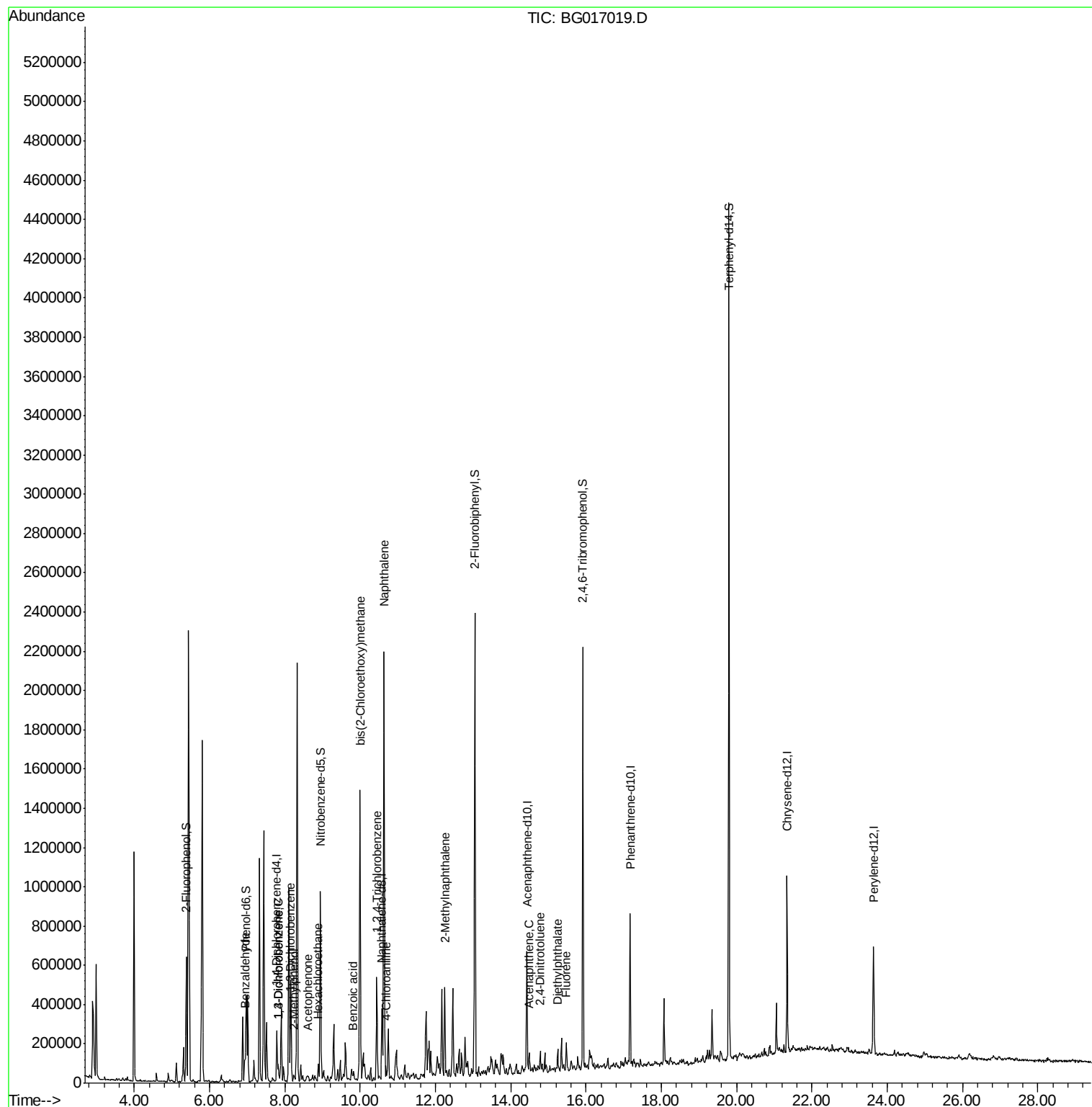
						Qvalue
9) Benzaldehyde	6.94	77	11188	2.81	ng	# 1
12) 1,3-Dichlorobenzene	7.82	146	24142	5.62	ng	95
13) 1,4-Dichlorobenzene	7.82	146	24144	5.55	ng	94
14) 1,2-Dichlorobenzene	8.14	146	10678	2.56	ng	97
17) 2-Methylphenol	8.24	107	9261	2.55	ng	92
18) Hexachloroethane	8.89	117	9616	5.38	ng	# 1
22) Acetophenone	8.60	105	14313	2.12	ng	# 91
28) bis(2-Chloroethoxy)methane	10.00	93	48190	8.15	ng	# 1
30) 1,2,4-Trichlorobenzene	10.44	180	150384	34.78	ng	92
31) Naphthalene	10.63	128	1583335	112.34	ng	98
32) Benzoic acid	9.80	122	4476	2.24	ng	# 14
33) 4-Chloroaniline	10.70	127	26751	4.11	ng	96
37) 2-Methylnaphthalene	12.24	142	186775	17.40	ng	97
51) Acenaphthene	14.49	154	32052	2.85	ng	95
56) 2,4-Dinitrotoluene	14.79	165	24840	6.55	ng	# 97
57) Fluorene	15.47	166	35007	2.48	ng	99
59) Diethylphthalate	15.25	149	51507	3.42	ng	95

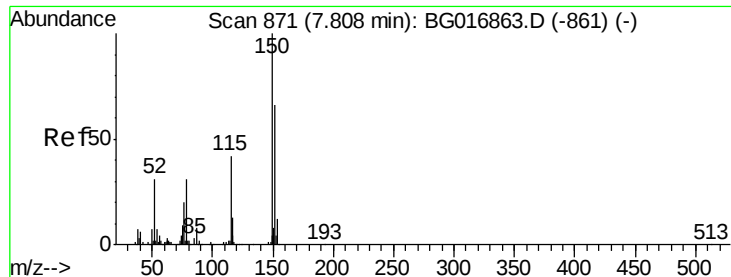
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. -0.01 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

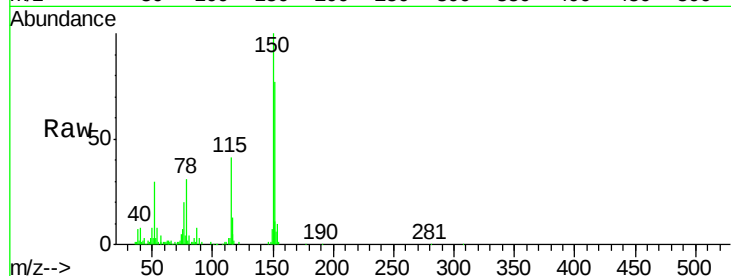
Tgt Ion:152 Resp: 58531

Ion Ratio Lower Upper

152 100

150 129.3 121.0 181.4

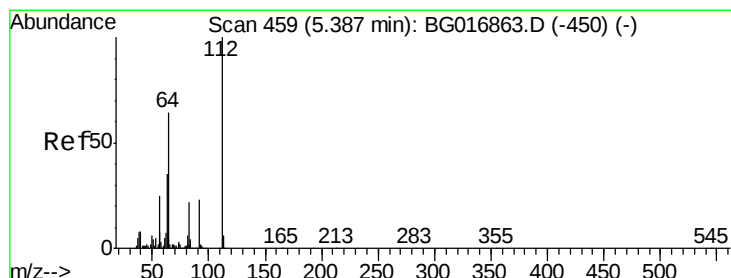
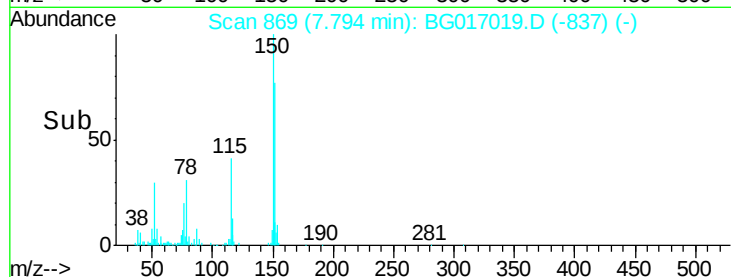
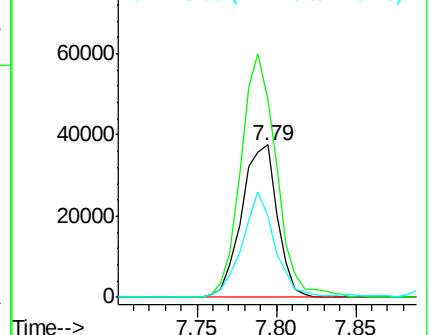
115 53.4 50.5 75.7



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: 66.65 ng

RT: 5.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

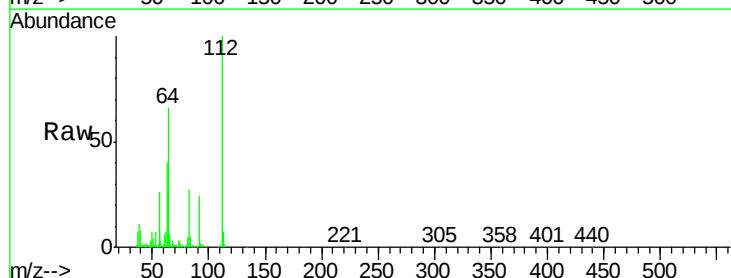
Tgt Ion:112 Resp: 224057

Ion Ratio Lower Upper

112 100

64 65.9 51.4 77.2

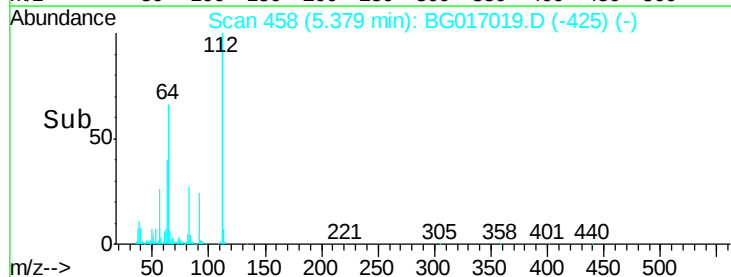
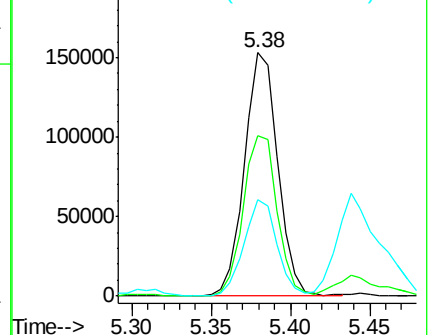
63 39.8 28.1 42.1

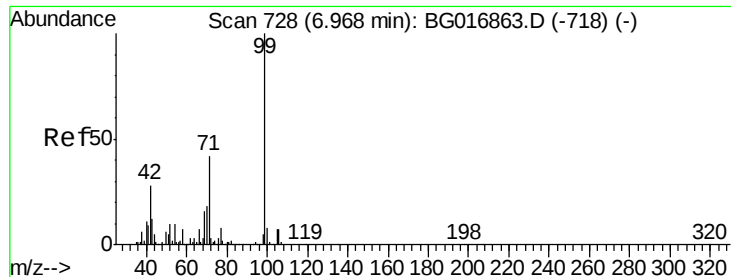


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 42.43 ng

RT: 6.97 min Scan# 729

Delta R.T. 0.00 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

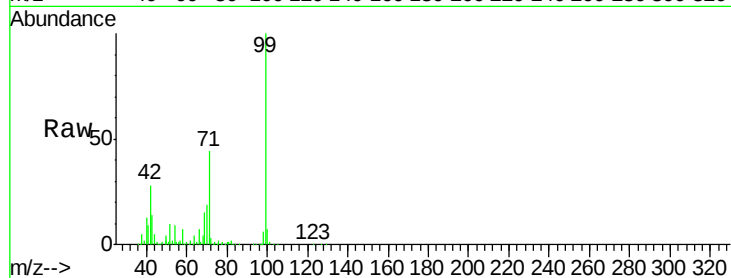
Tgt Ion: 99 Resp: 203772

Ion Ratio Lower Upper

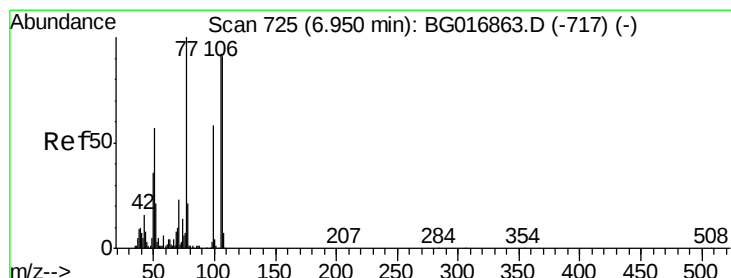
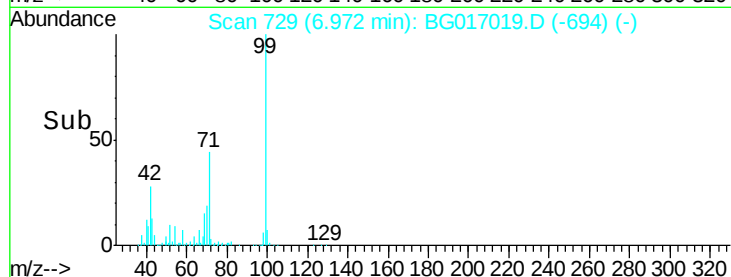
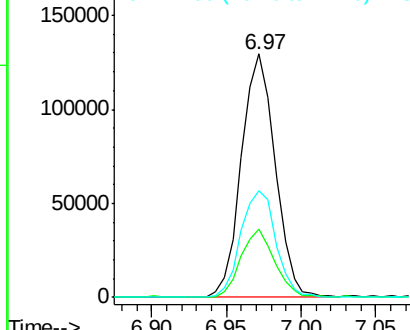
99 100

42 28.2 22.1 33.1

71 43.7 33.4 50.0



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: 2.81 ng

RT: 6.94 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

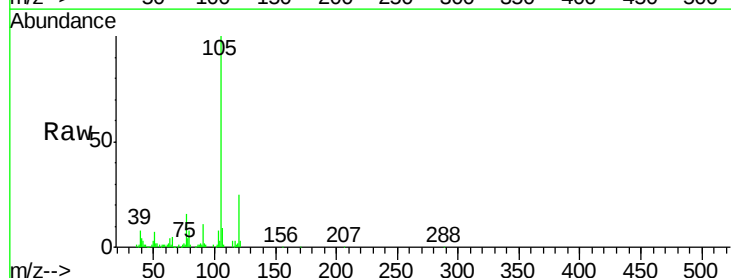
Tgt Ion: 77 Resp: 11188

Ion Ratio Lower Upper

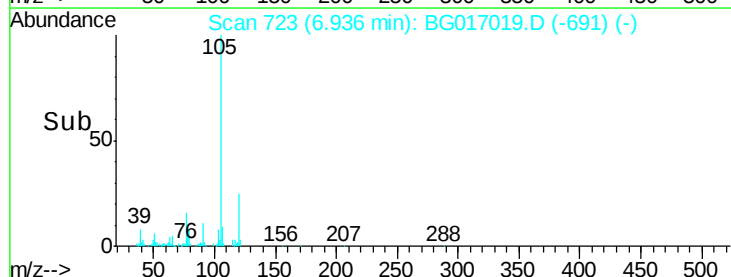
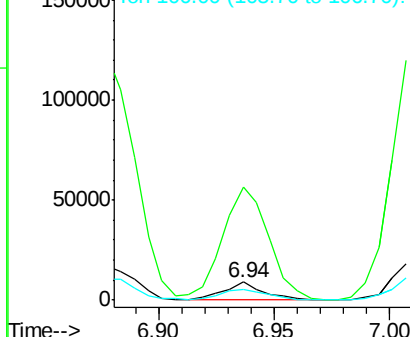
77 100

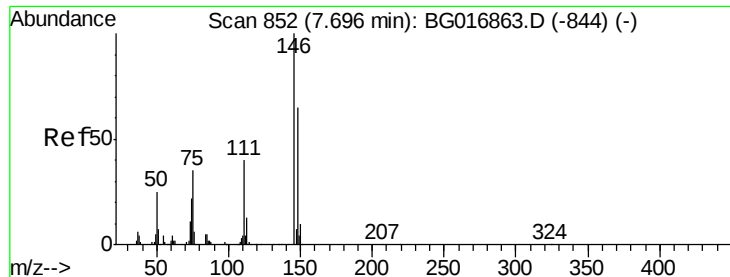
105 621.9 71.6 111.6#

106 56.4 71.5 111.5#



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

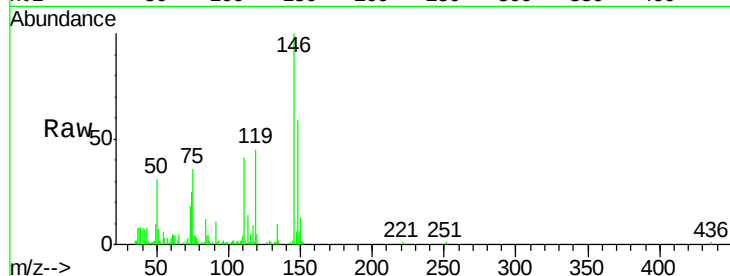




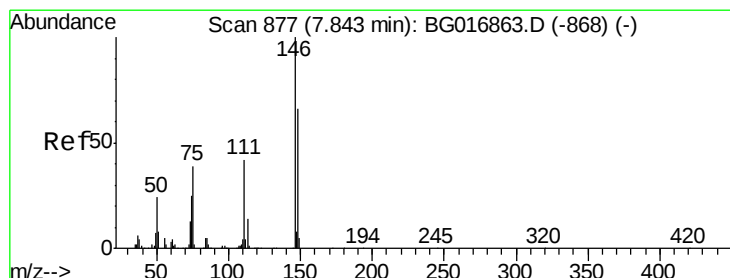
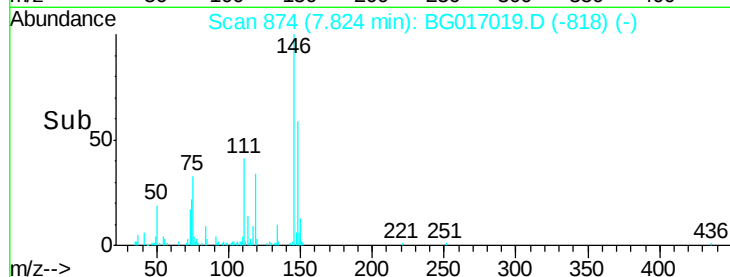
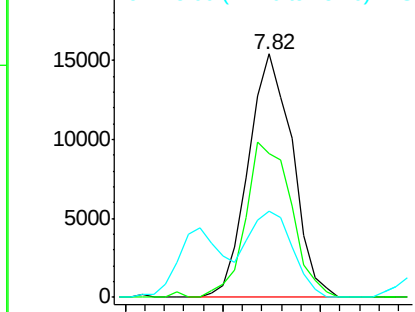
#12
 1,3-Dichlorobenzene
 Concen: 5.62 ng
 RT: 7.82 min Scan# 874
 Delta R.T. 0.13 min
 Lab File: BG017019.D
 Acq: 10 May 2015 10:50

Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-131-5515

Tgt Ion:146 Resp: 24142
 Ion Ratio Lower Upper
 146 100
 148 58.9 51.9 77.9
 75 35.6 28.2 42.2

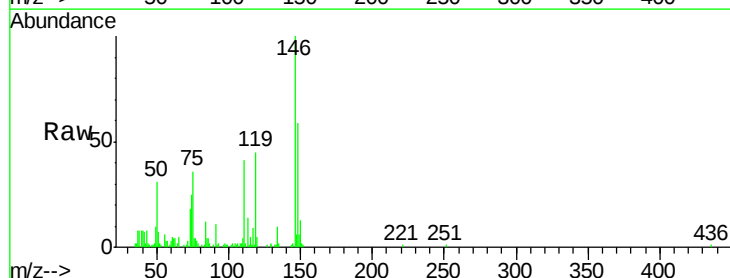


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): B

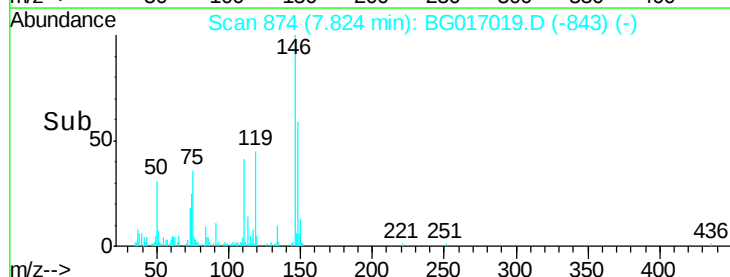
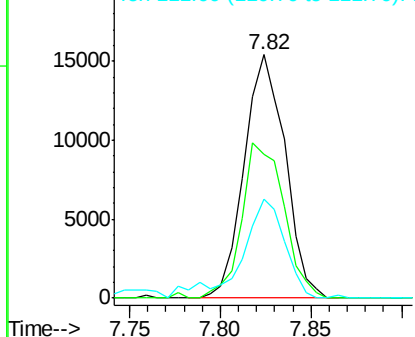


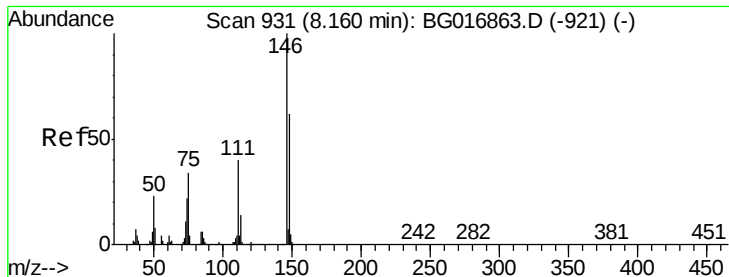
#13
 1,4-Dichlorobenzene
 Concen: 5.55 ng
 RT: 7.82 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: BG017019.D
 Acq: 10 May 2015 10:50

Tgt Ion:146 Resp: 24144
 Ion Ratio Lower Upper
 146 100
 148 58.9 52.8 79.2
 111 40.9 33.9 50.9



Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E





#14

1,2-Dichlorobenzene

Concen: 2.56 ng

RT: 8.14 min Scan# 928

Delta R.T. -0.02 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

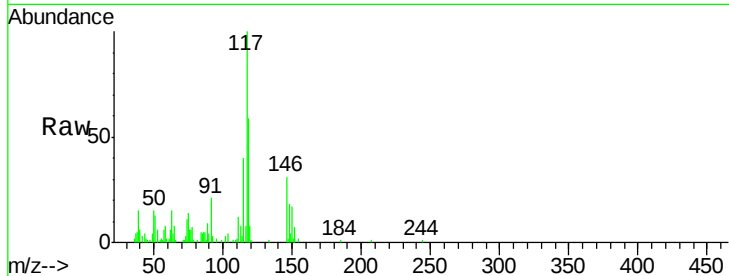
Tgt Ion:146 Resp: 10678

Ion Ratio Lower Upper

146 100

148 58.8 49.9 74.9

111 39.6 32.1 48.1

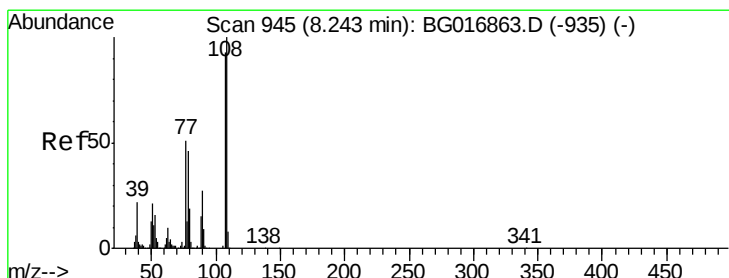
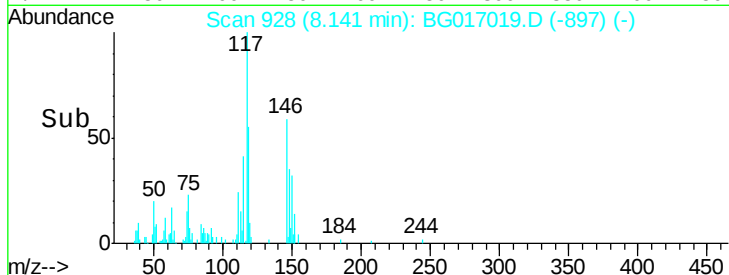
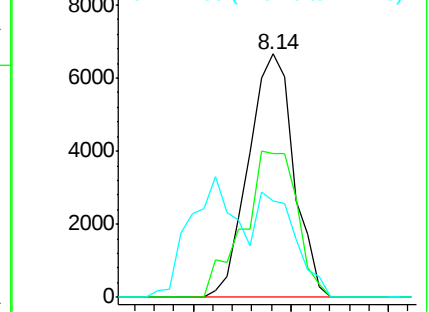


Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#17

2-Methylphenol

Concen: 2.55 ng

RT: 8.24 min Scan# 945

Delta R.T. -0.00 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Tgt Ion:107 Resp: 9261

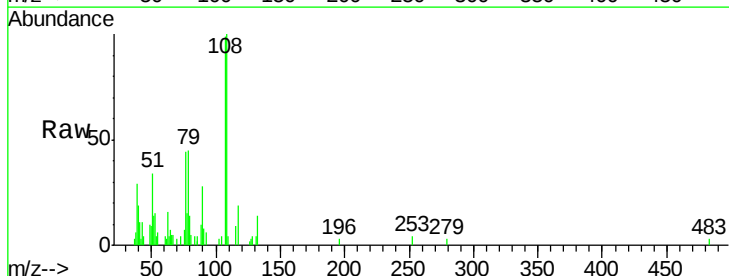
Ion Ratio Lower Upper

107 100

108 101.4 85.9 128.9

77 44.5 43.8 65.6

79 45.4 39.8 59.6



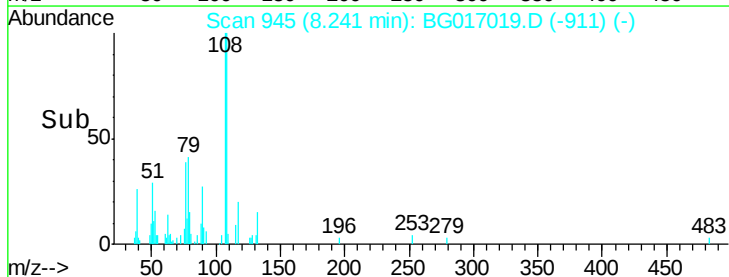
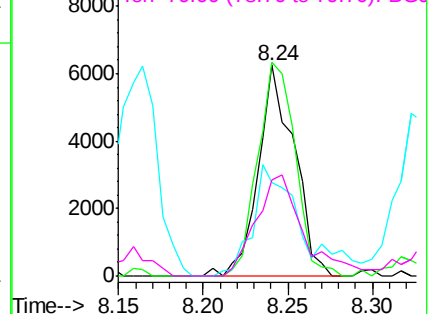
Abundance

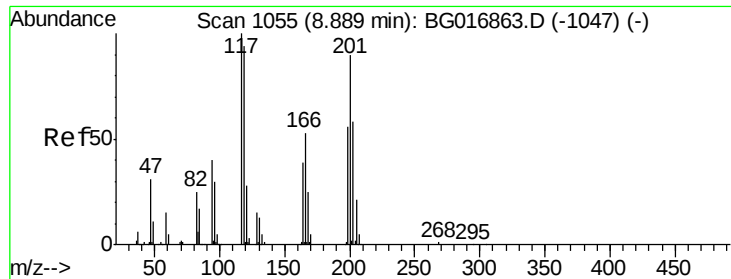
Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC

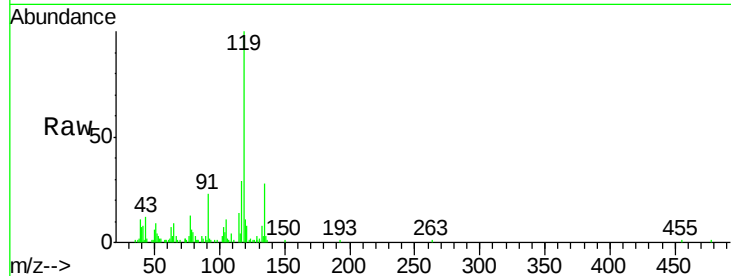




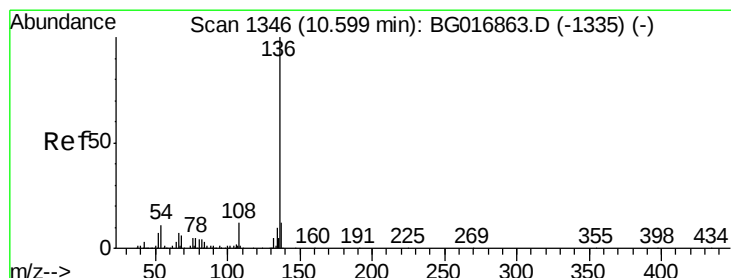
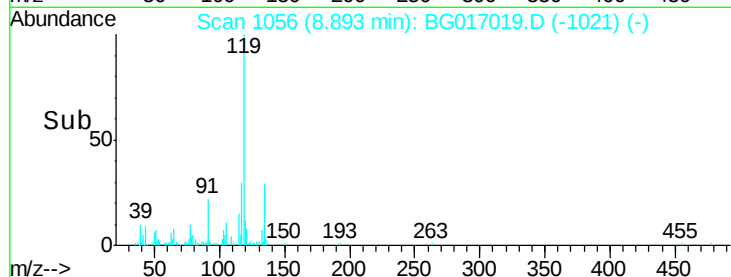
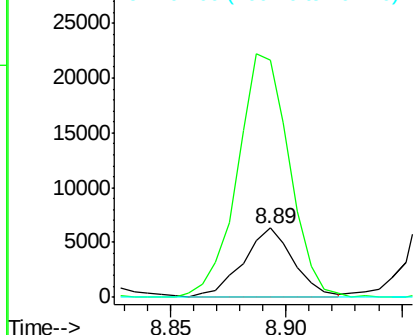
#18
Hexachloroethane
Concen: 5.38 ng
RT: 8.89 min Scan# 1056
Delta R.T. 0.00 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

Instrument :
BNA_G
ClientSampleId :
DCW-WW-131-5515

Tgt Ion:117 Resp: 9616
Ion Ratio Lower Upper
117 100
119 344.1 74.8 112.2#
201 0.0 72.1 108.1#

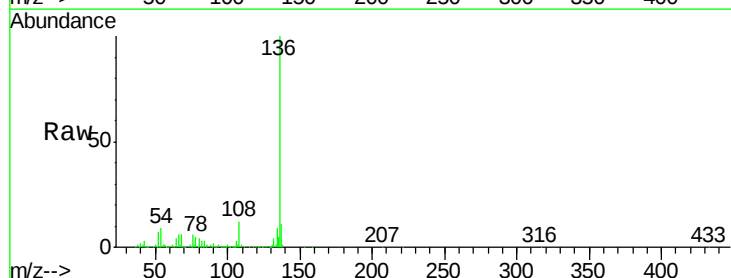


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

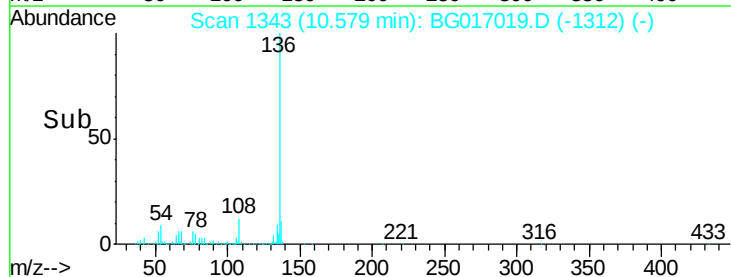
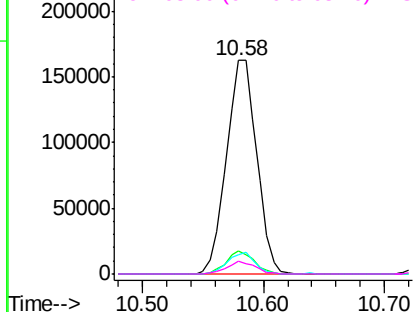


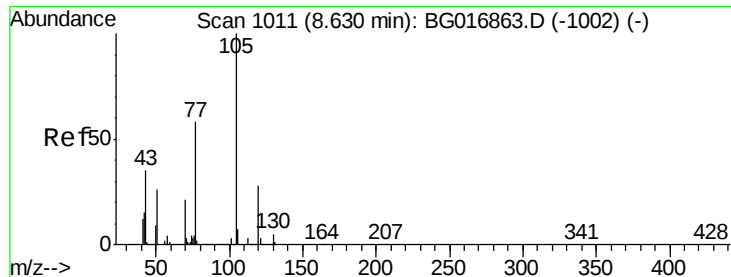
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.58 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

Tgt Ion:136 Resp: 283368
Ion Ratio Lower Upper
136 100
137 11.0 9.8 14.8
54 9.2 8.7 13.1
68 5.8 5.0 7.4



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: 2.12 ng

RT: 8.60 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

Tgt Ion:105 Resp: 14313

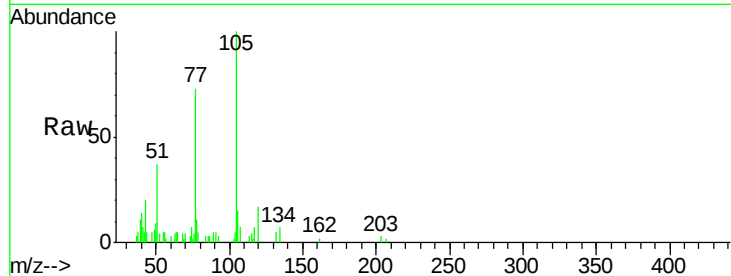
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 37.3 29.4 44.2

120 17.2 22.2 33.4#

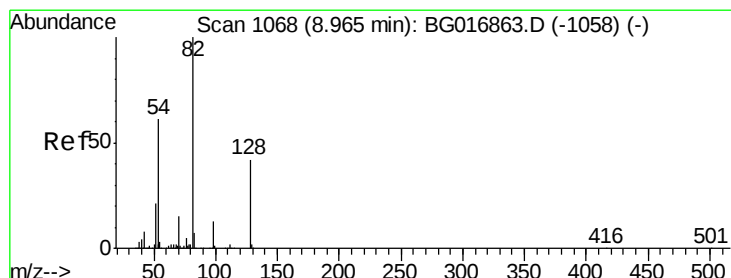
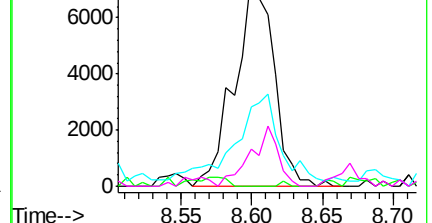
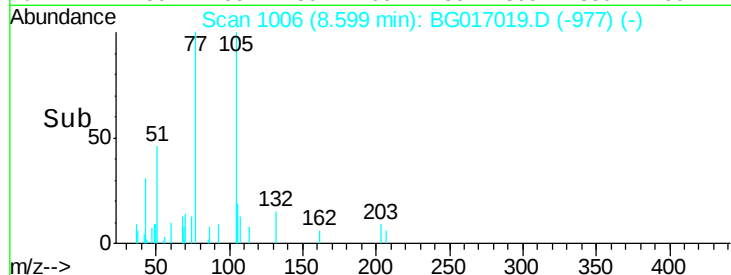


Abundance Ion 105.00 (104.70 to 105.70): E

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: 86.79 ng

RT: 8.95 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

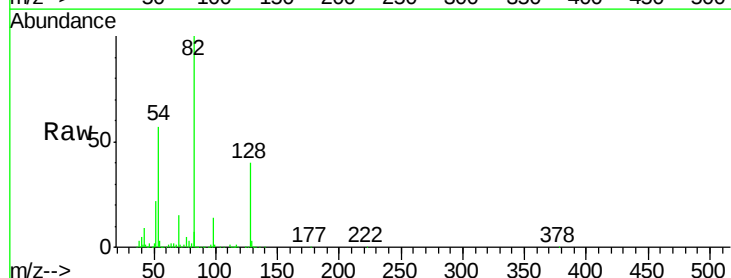
Tgt Ion: 82 Resp: 503444

Ion Ratio Lower Upper

82 100

128 39.8 33.2 49.8

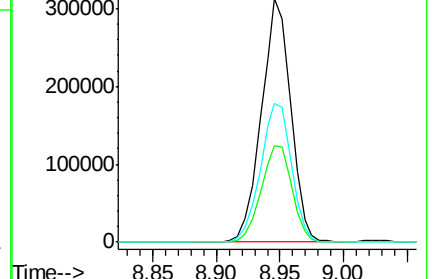
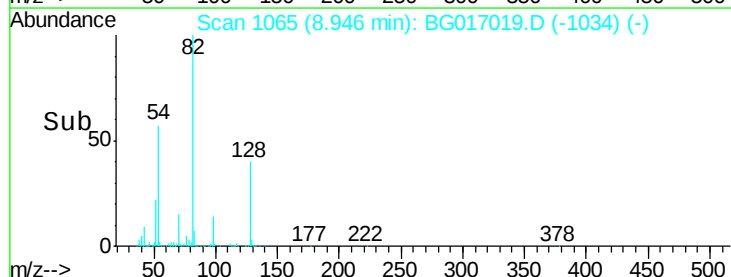
54 57.1 48.6 72.8

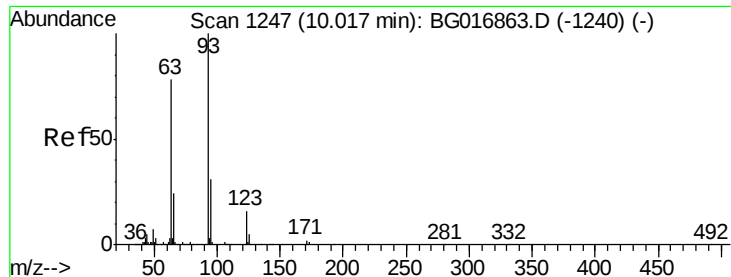


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

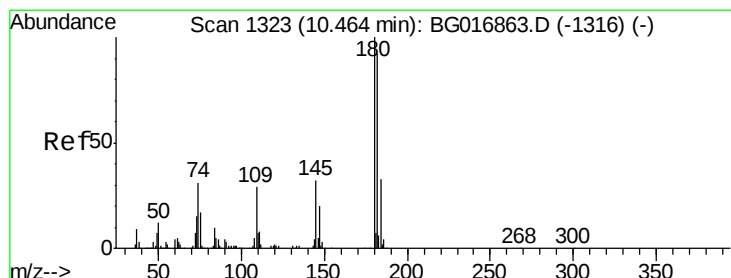
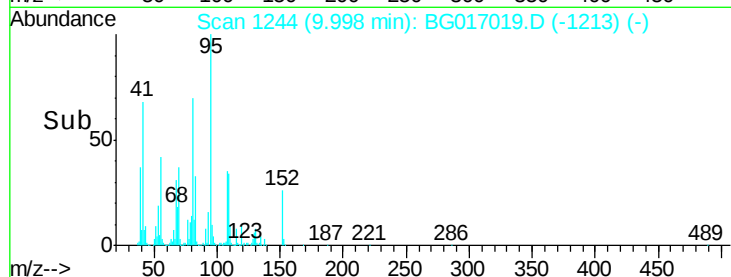
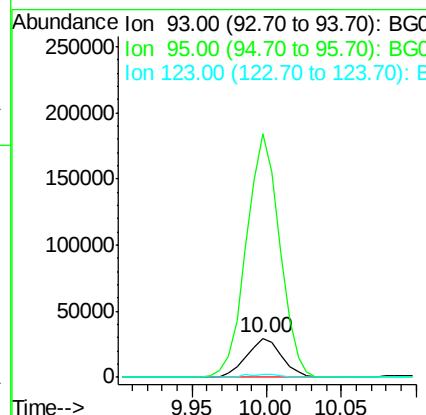
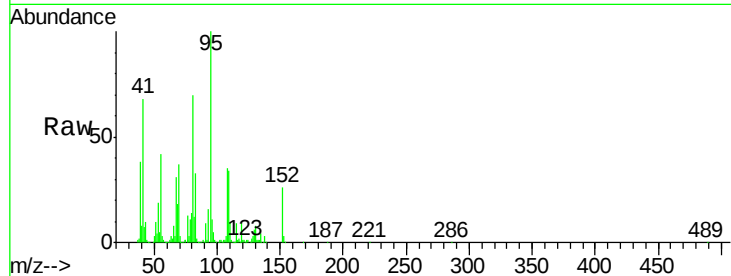




#28
 bis(2-Chloroethoxy)methane
 Concen: 8.15 ng
 RT: 10.00 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BG017019.D
 Acq: 10 May 2015 10:50

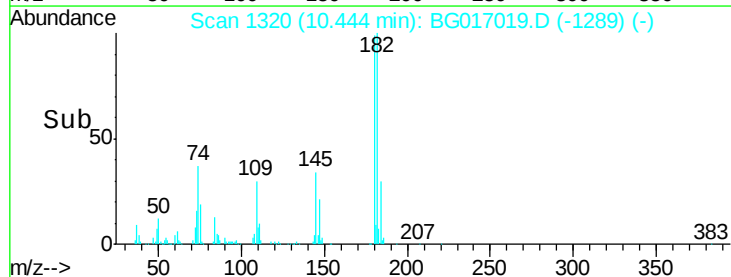
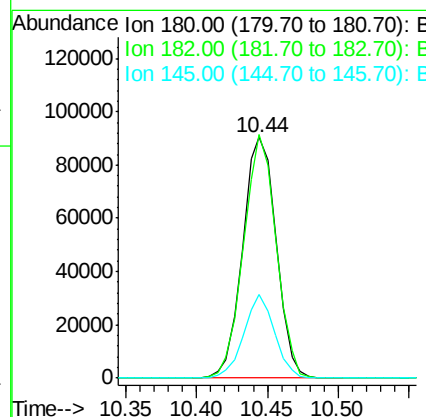
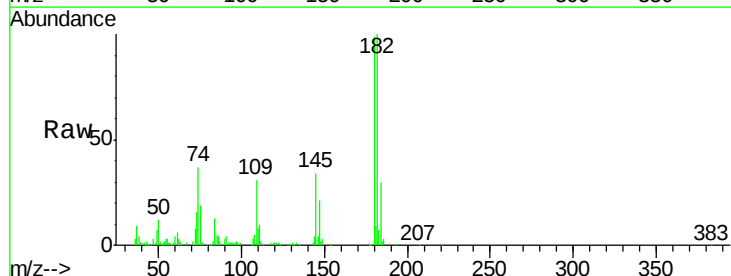
Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-131-5515

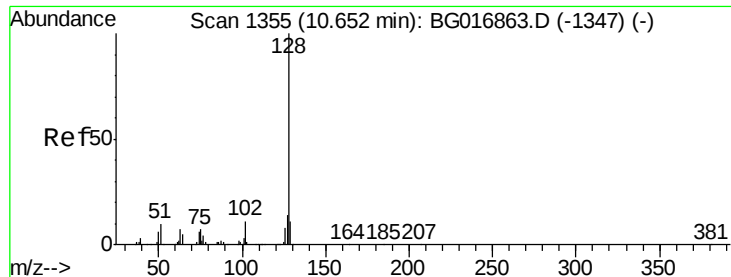
Tgt Ion: 93 Resp: 48190
 Ion Ratio Lower Upper
 93 100
 95 627.1 24.8 37.2#
 123 7.1 12.6 19.0#



#30
 1,2,4-Trichlorobenzene
 Concen: 34.78 ng
 RT: 10.44 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BG017019.D
 Acq: 10 May 2015 10:50

Tgt Ion: 180 Resp: 150384
 Ion Ratio Lower Upper
 180 100
 182 101.2 73.8 110.8
 145 34.5 25.4 38.0

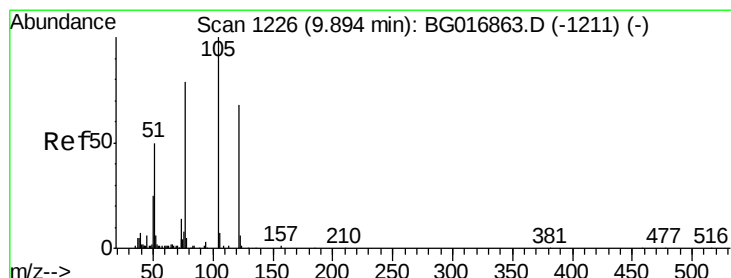
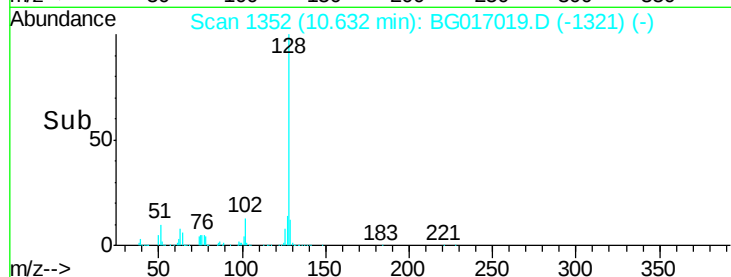
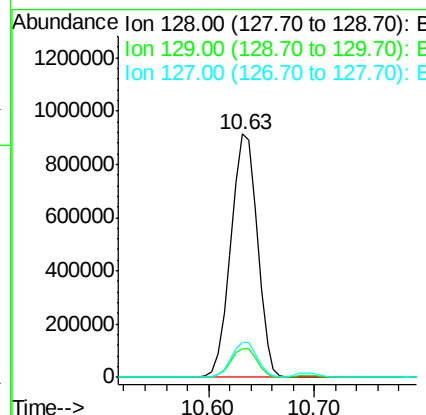
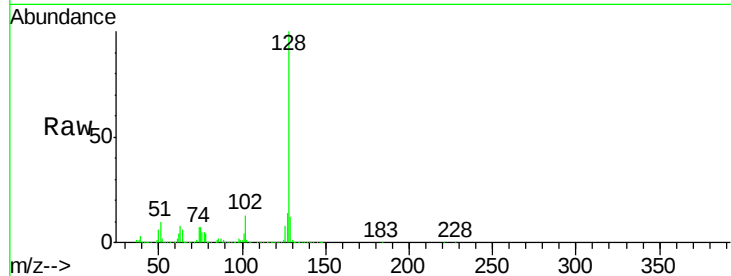




#31
Naphthalene
Concen: 112.34 ng
RT: 10.63 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

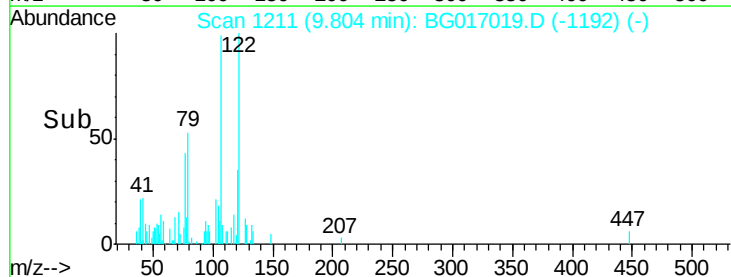
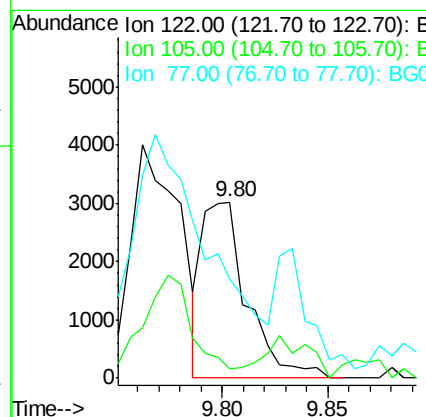
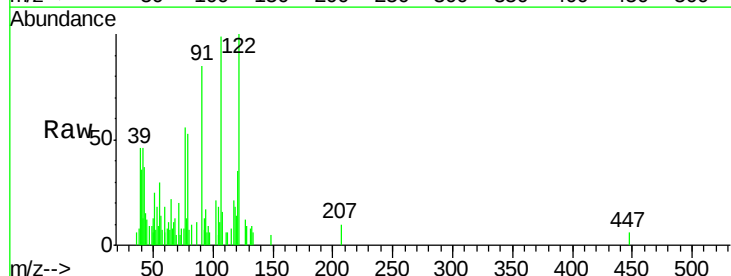
Instrument :
BNA_G
ClientSampleId :
DCW-WW-131-5515

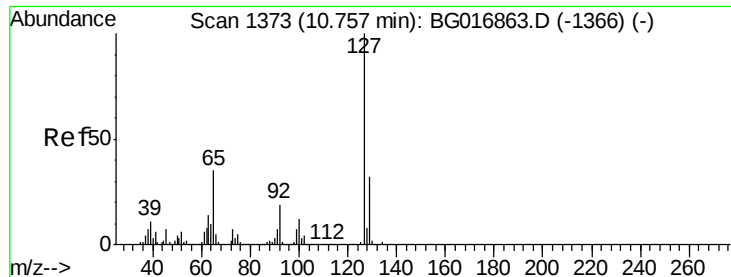
Tgt Ion:128 Resp: 1583335
Ion Ratio Lower Upper
128 100
129 11.9 9.1 13.7
127 14.3 10.9 16.3



#32
Benzoic acid
Concen: 2.24 ng
RT: 9.80 min Scan# 1211
Delta R.T. -0.09 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

Tgt Ion:122 Resp: 4476
Ion Ratio Lower Upper
122 100
105 5.1 123.2 163.2#
77 55.9 93.0 133.0#

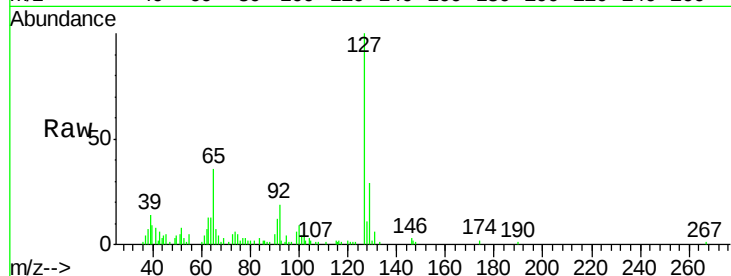




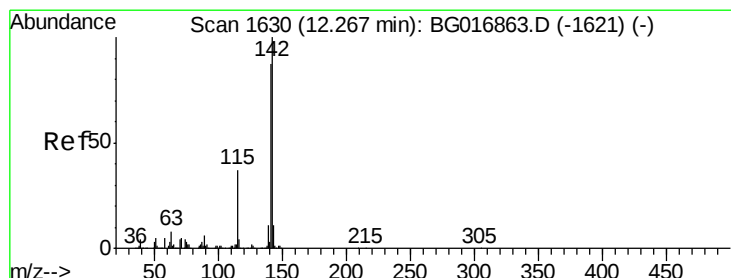
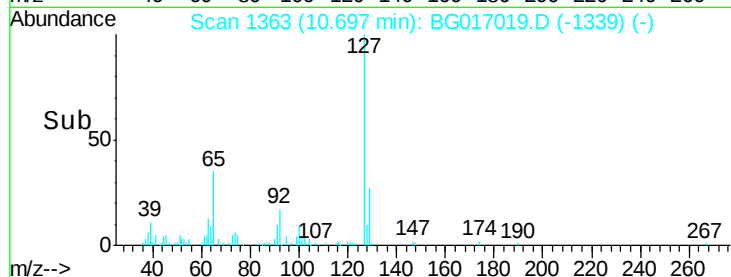
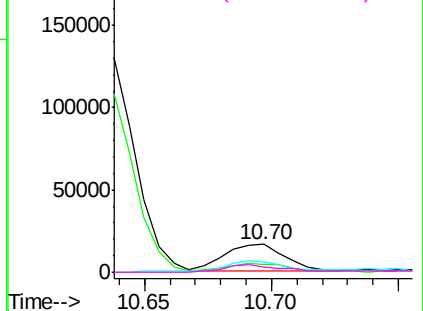
#33
4-Chloroaniline
Concen: 4.11 ng
RT: 10.70 min Scan# 1363
Delta R.T. -0.06 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

Instrument :
BNA_G
ClientSampleId :
DCW-WW-131-5515

Tgt Ion:	127	Resp:	26751
Ion	Ratio	Lower	Upper
127	100		
129	28.6	25.8	38.6
65	36.3	28.2	42.2
92	18.7	15.6	23.4

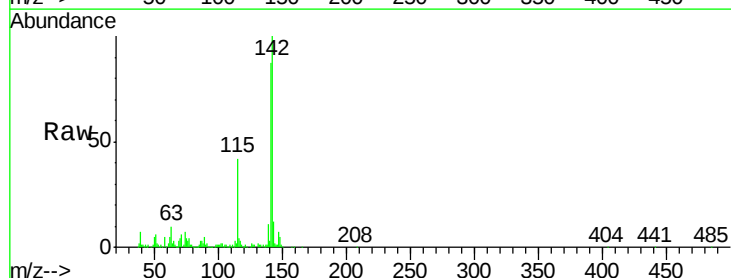


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC

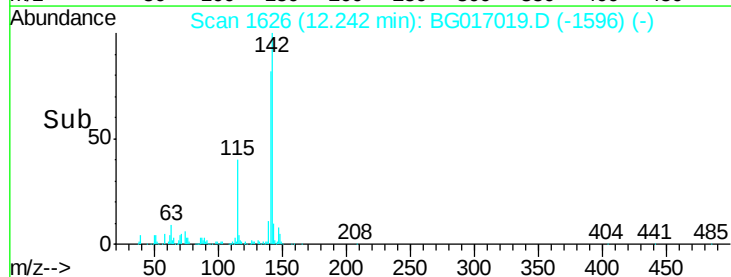
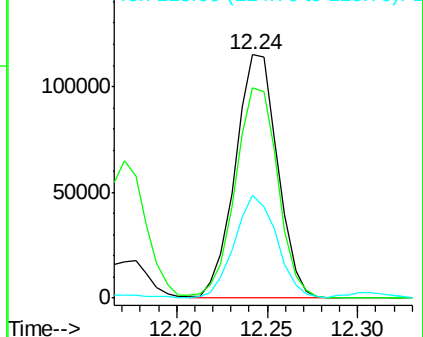


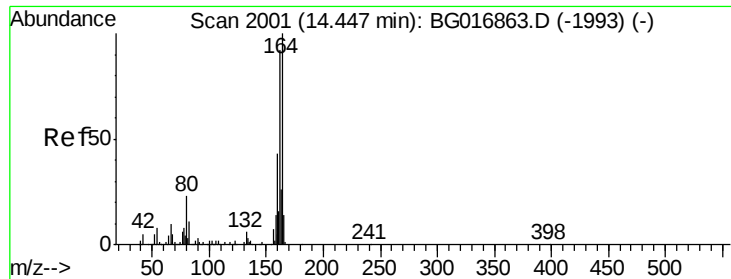
#37
2-Methylnaphthalene
Concen: 17.40 ng
RT: 12.24 min Scan# 1626
Delta R.T. -0.03 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

Tgt Ion:	142	Resp:	186775
Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.9	104.9
115	42.3	29.8	44.8



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: 14.43 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

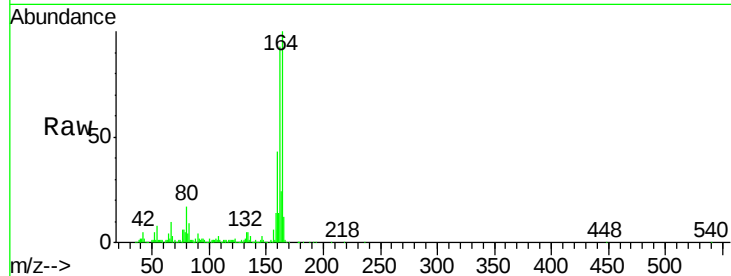
Tgt Ion:164 Resp: 191285

Ion Ratio Lower Upper

164 100

162 92.7 74.0 111.0

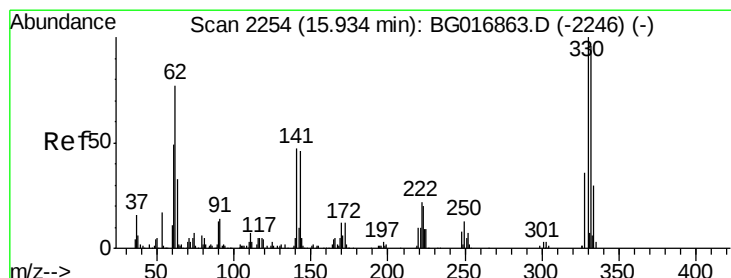
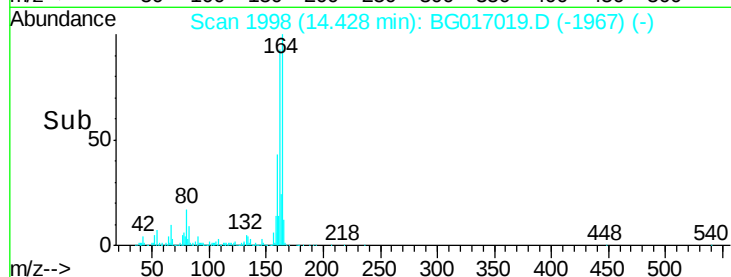
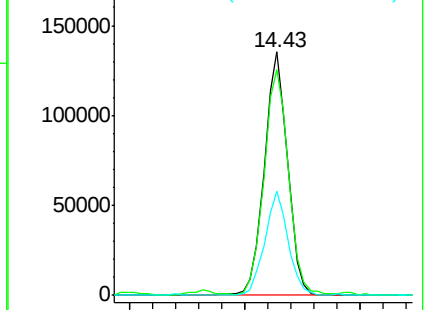
160 42.8 34.7 52.1



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: 154.26 ng

RT: 15.92 min Scan# 2252

Delta R.T. -0.01 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

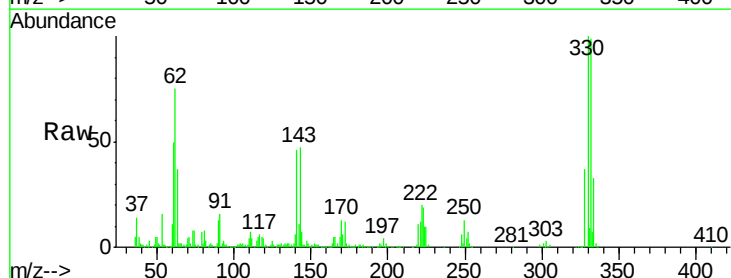
Tgt Ion:330 Resp: 296230

Ion Ratio Lower Upper

330 100

332 97.0 0.0 0.0#

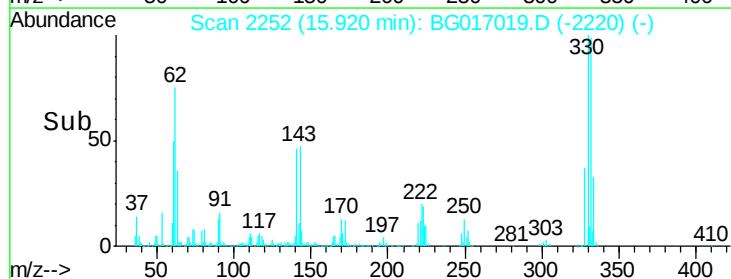
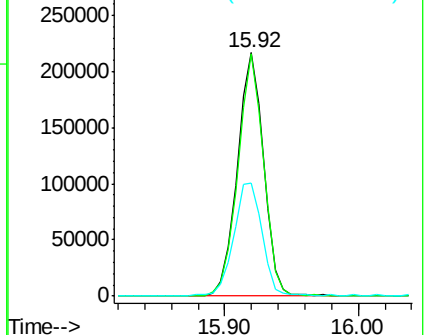
141 50.2 0.0 0.0#

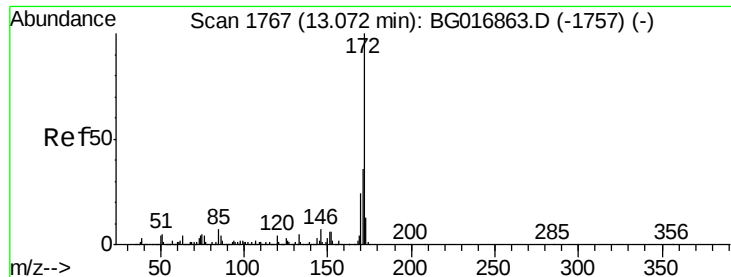


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

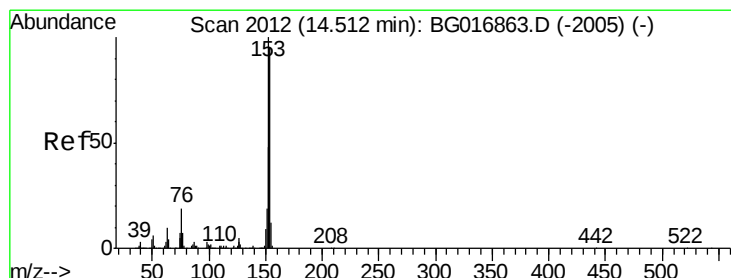
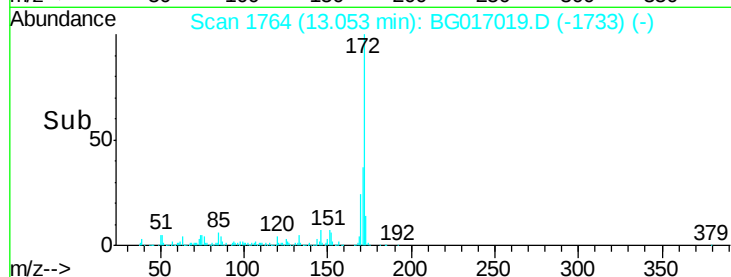
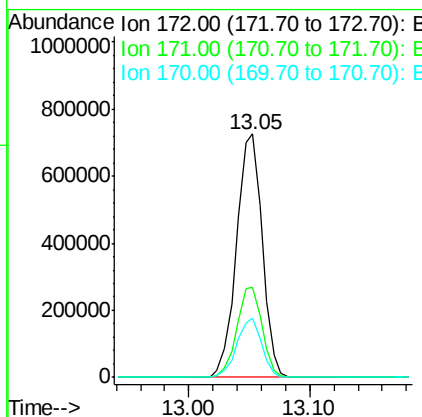
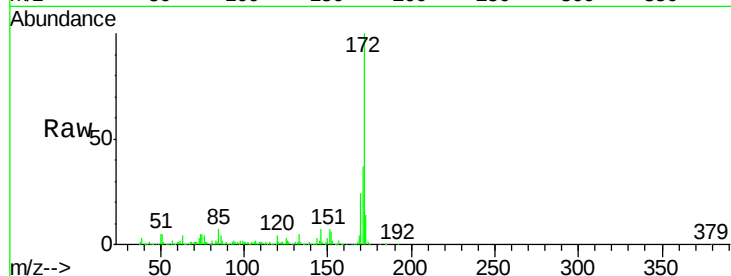




#44
 2-Fluorobiphenyl
 Concen: 85.06 ng
 RT: 13.05 min Scan# 1764
 Delta R.T. -0.02 min
 Lab File: BG017019.D
 Acq: 10 May 2015 10:50

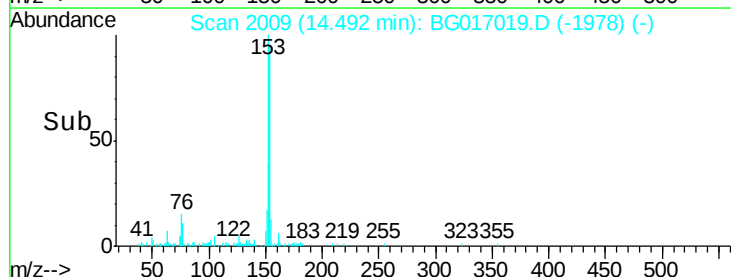
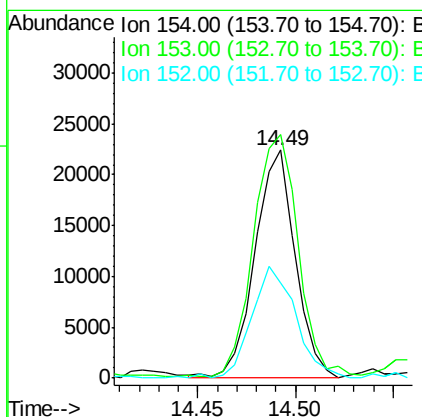
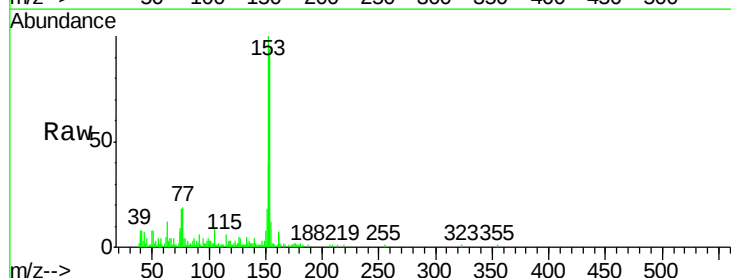
Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-131-5515

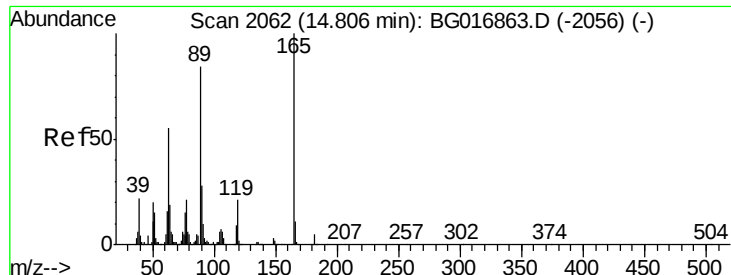
Tgt Ion:172 Resp: 1078255
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.0 43.4
 170 24.1 19.0 28.4



#51
 Acenaphthene
 Concen: 2.85 ng
 RT: 14.49 min Scan# 2009
 Delta R.T. -0.02 min
 Lab File: BG017019.D
 Acq: 10 May 2015 10:50

Tgt Ion:154 Resp: 32052
 Ion Ratio Lower Upper
 154 100
 153 106.8 84.2 126.4
 152 41.7 40.2 60.2

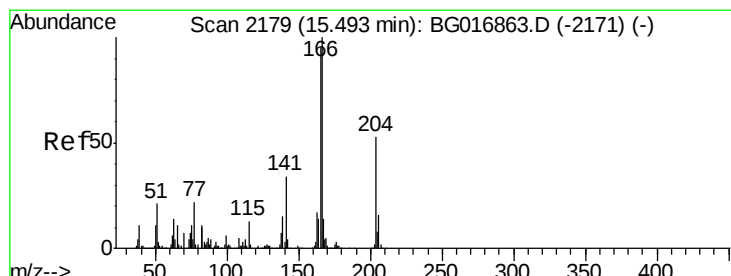
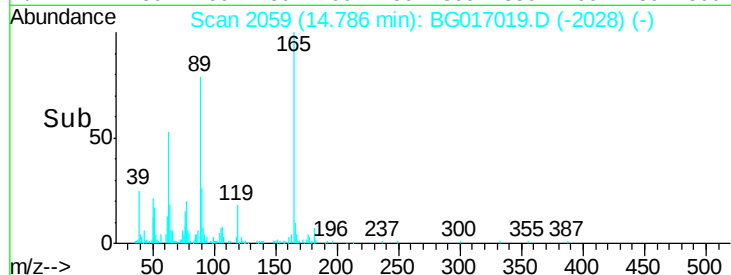
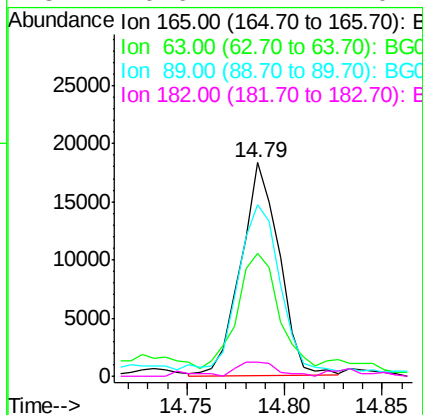
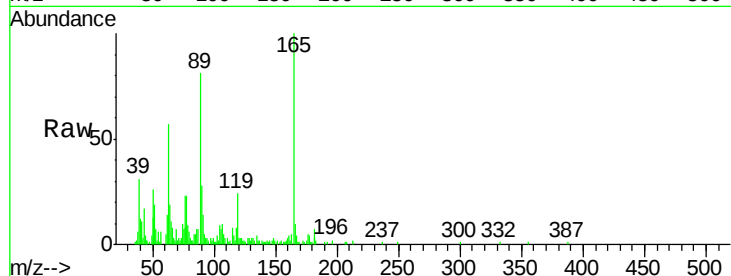




#56
2,4-Dinitrotoluene
Concen: 6.55 ng
RT: 14.79 min Scan# 2059
Delta R.T. -0.02 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

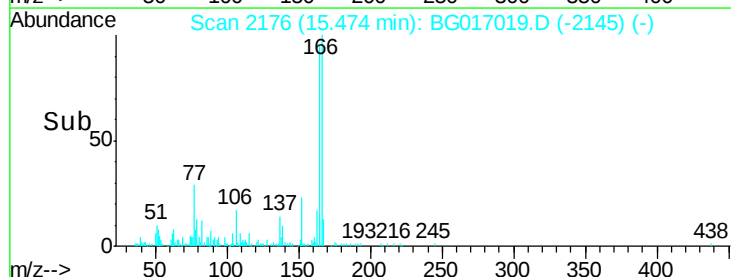
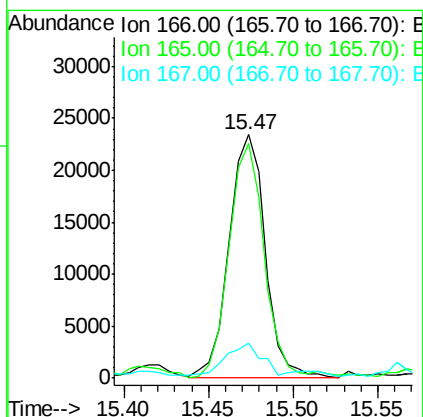
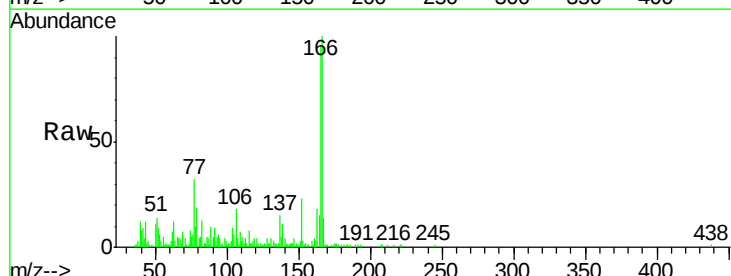
Instrument :
BNA_G
ClientSampleId :
DCW-WW-131-5515

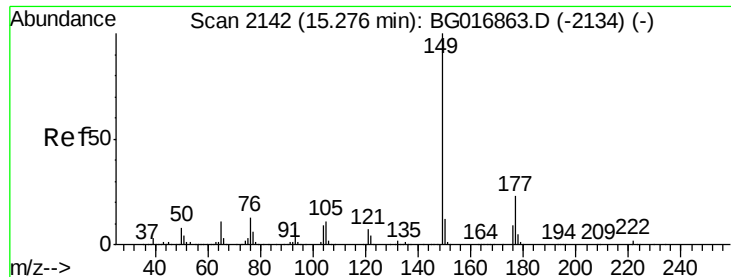
Tgt Ion:165 Resp: 24840
Ion Ratio Lower Upper
165 100
63 57.3 44.2 66.4
89 80.6 67.2 100.8
182 6.6 4.2 6.4#



#57
Fluorene
Concen: 2.48 ng
RT: 15.47 min Scan# 2176
Delta R.T. -0.02 min
Lab File: BG017019.D
Acq: 10 May 2015 10:50

Tgt Ion:166 Resp: 35007
Ion Ratio Lower Upper
166 100
165 96.2 76.1 114.1
167 14.3 11.4 17.2





#59

Diethylphthalate

Concen: 3.42 ng

RT: 15.25 min Scan# 2138

Delta R.T. -0.03 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

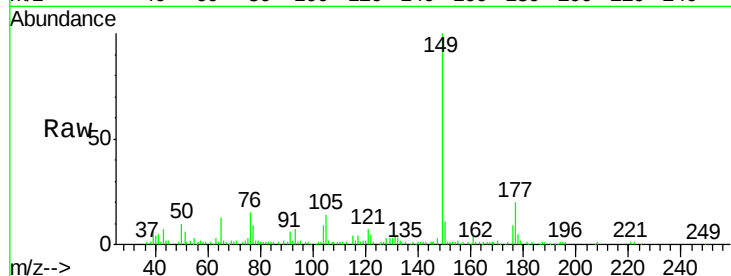
Tgt Ion:149 Resp: 51507

Ion Ratio Lower Upper

149 100

177 20.2 18.6 27.8

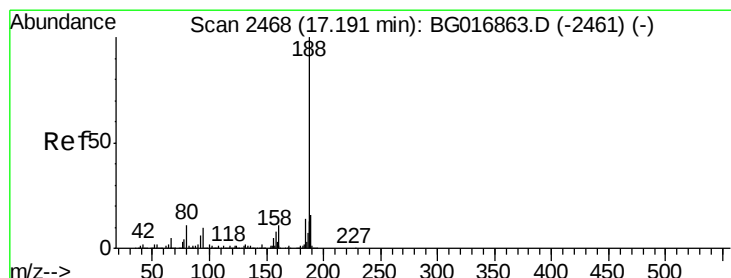
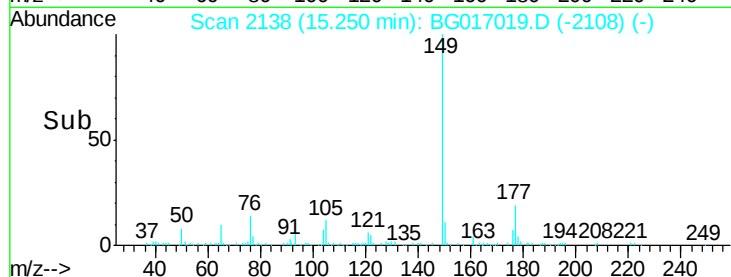
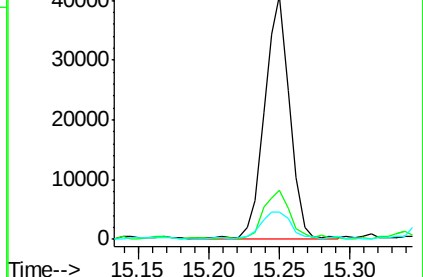
150 11.3 9.8 14.8



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

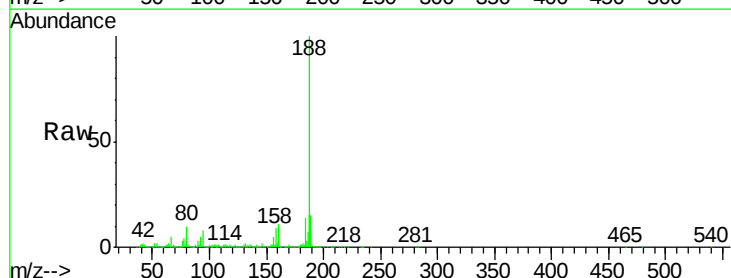
Tgt Ion:188 Resp: 414134

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.4

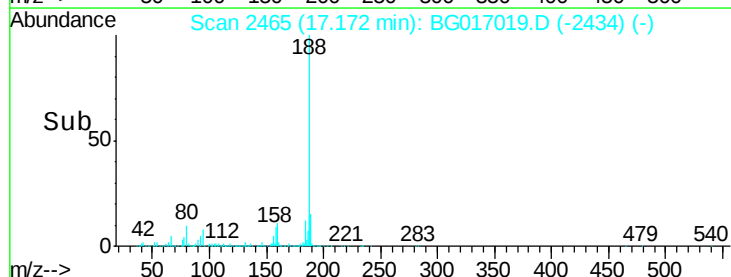
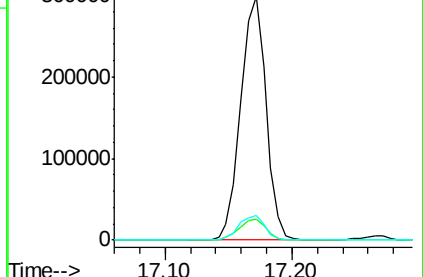
80 10.2 8.8 13.2

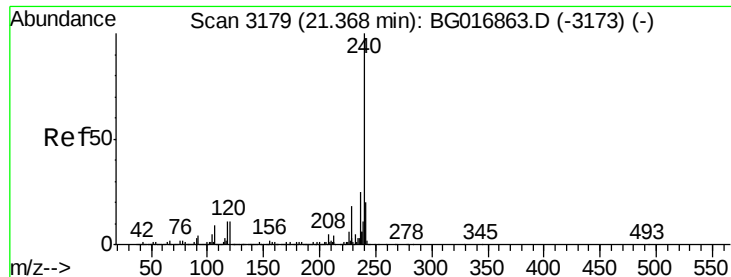


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 3175

Delta R.T. -0.03 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

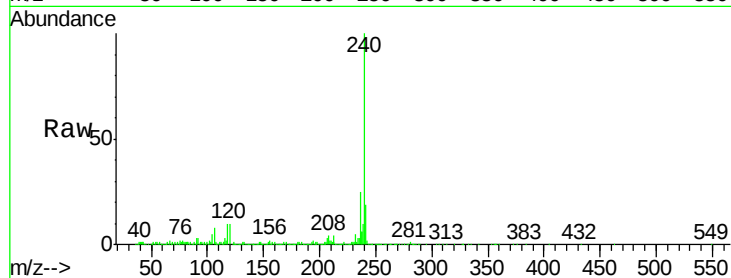
Tgt Ion:240 Resp: 394295

Ion Ratio Lower Upper

240 100

120 10.0 9.1 13.7

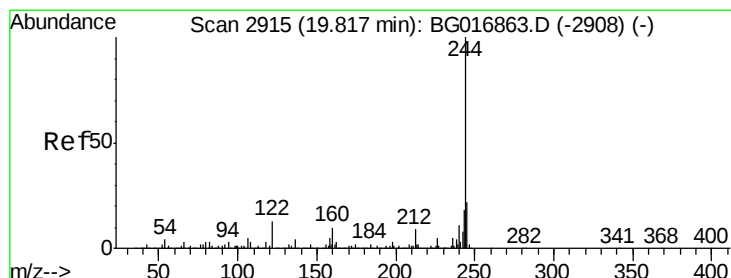
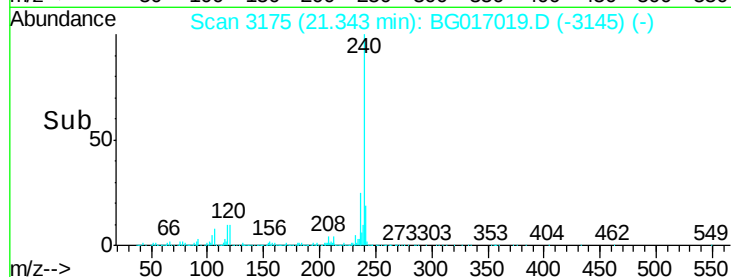
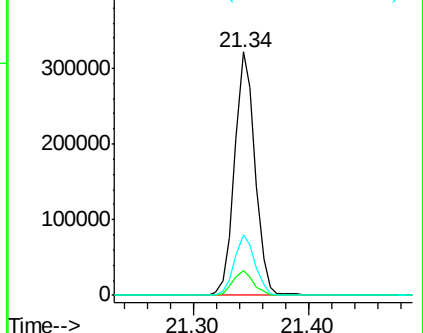
236 25.1 20.2 30.4



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



#78

Terphenyl-d14

Concen: 95.49 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

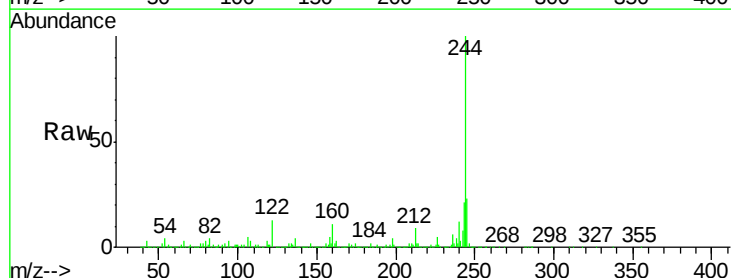
Tgt Ion:244 Resp: 1606077

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.6

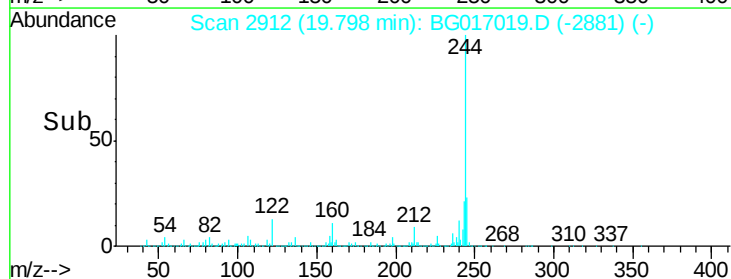
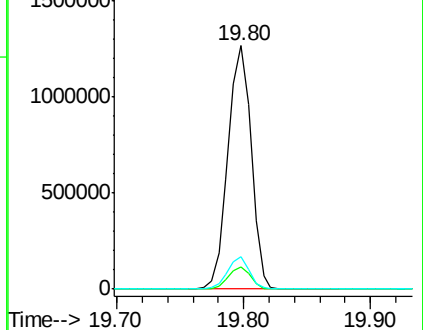
122 13.3 10.4 15.6

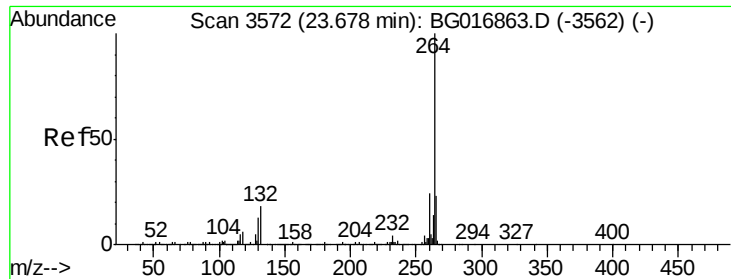


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.64 min Scan# 3566

Delta R.T. -0.04 min

Lab File: BG017019.D

Acq: 10 May 2015 10:50

Instrument :

BNA_G

ClientSampleId :

DCW-WW-131-5515

Tgt Ion: 264 Resp: 383154

Ion Ratio Lower Upper

264 100

260 22.1 19.5 29.3

265 22.4 18.5 27.7

