

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG050815\
 Data File : BG017020.D
 Acq On : 10 May 2015 11:25
 Operator : TP/IZ
 Sample : G2171-04
 Misc :
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-134-5615

Quant Time: May 11 01:31:16 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	58358	20.00	ng	-0.02
21) Naphthalene-d8	10.58	136	271140	20.00	ng	-0.02
38) Acenaphthene-d10	14.42	164	184009	20.00	ng	-0.02
63) Phenanthrene-d10	17.17	188	384677	20.00	ng	-0.02
75) Chrysene-d12	21.34	240	380496	20.00	ng	-0.02
86) Perylene-d12	23.64	264	370753	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	238099	71.04	ng	0.00
7) Phenol-d6	6.97	99	210606	43.98	ng	0.00
23) Nitrobenzene-d5	8.95	82	507939	91.52	ng	-0.02
41) 2,4,6-Tribromophenol	15.92	330	311081	168.40	ng	-0.01
44) 2-Fluorobiphenyl	13.05	172	1082538	88.78	ng	-0.02
78) Terphenyl-d14	19.79	244	1528733	94.19	ng	-0.02

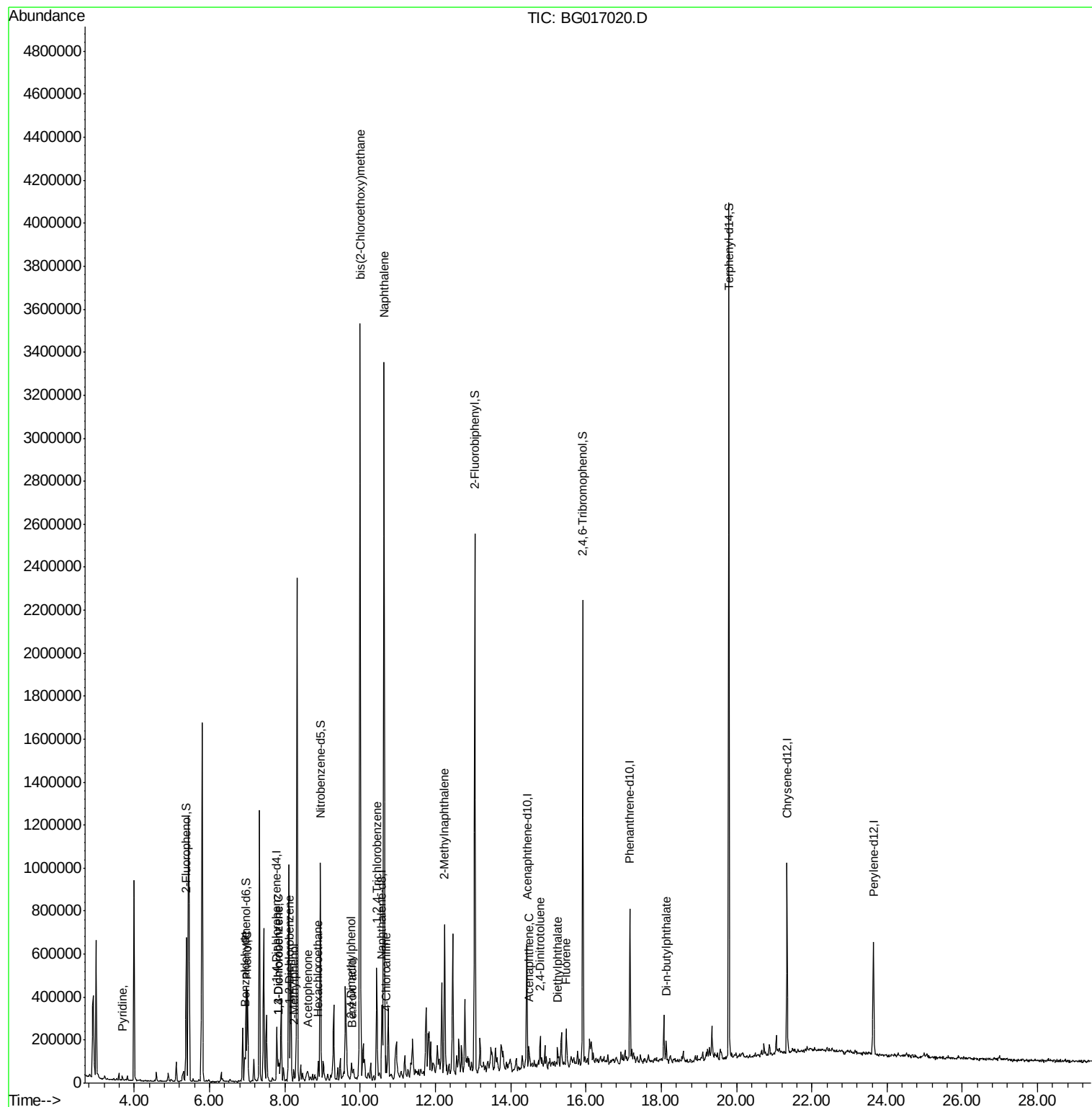
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.69	79	9050	2.08	ng	# 88
9) Benzaldehyde	6.94	77	10738	2.70	ng	# 1
10) Phenol	7.00	94	11313	2.20	ng	84
12) 1,3-Dichlorobenzene	7.83	146	26404	6.17	ng	94
13) 1,4-Dichlorobenzene	7.83	146	26401	6.09	ng	91
14) 1,2-Dichlorobenzene	8.14	146	14132	3.40	ng	96
17) 2-Methylphenol	8.24	107	13134	3.63	ng	90
18) Hexachloroethane	8.89	117	9140	5.13	ng	# 1
22) Acetophenone	8.60	105	20993	3.25	ng	# 92
27) 2,4-Dimethylphenol	9.78	122	9745	2.36	ng	# 84
28) bis(2-Chloroethoxy)methane	10.00	93	114721	20.28	ng	# 1
30) 1,2,4-Trichlorobenzene	10.45	180	148212	35.82	ng	88
31) Naphthalene	10.64	128	2341064	173.59	ng	# 93
32) Benzoic acid	9.80	122	7036	3.85	ng	# 15
33) 4-Chloroaniline	10.69	127	42986	6.90	ng	95
37) 2-Methylnaphthalene	12.24	142	287713	28.01	ng	# 95
51) Acenaphthene	14.49	154	35321	3.27	ng	96
56) 2,4-Dinitrotoluene	14.79	165	32606	8.93	ng	# 96
57) Fluorene	15.48	166	42094	3.10	ng	97
59) Diethylphthalate	15.25	149	36872	2.54	ng	98
73) Di-n-butylphthalate	18.14	149	55716	2.26	ng	# 95

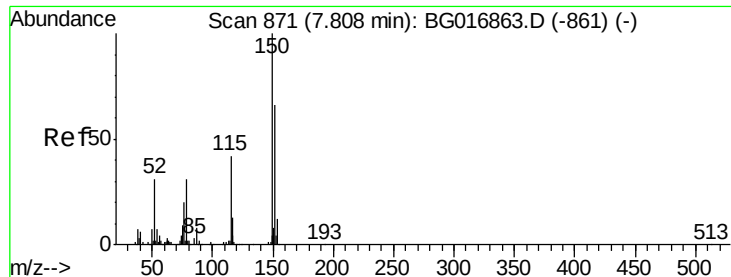
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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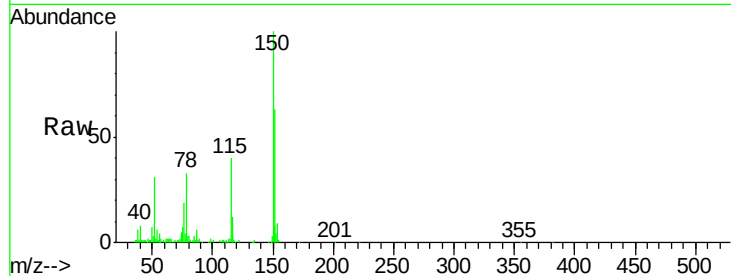


#1

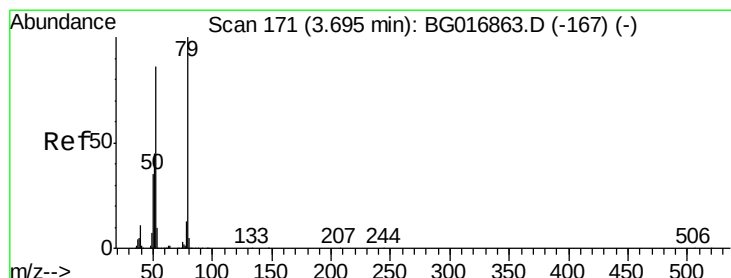
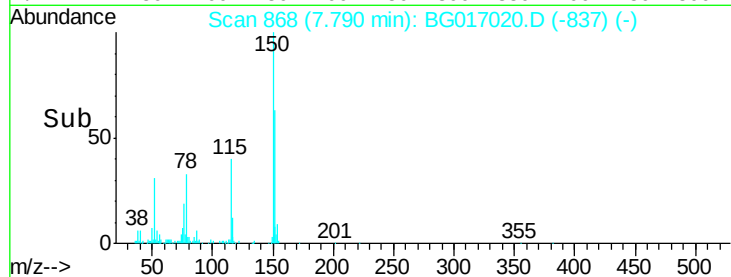
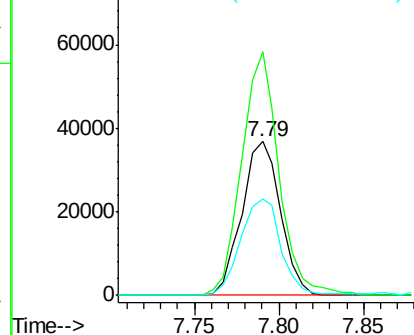
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.79 min Scan# 868
Delta R.T. -0.02 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

Instrument :
BNA_G
ClientSampleId :
DCW-WW-134-5615

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.2	121.0	181.4
115	62.5	50.5	75.7



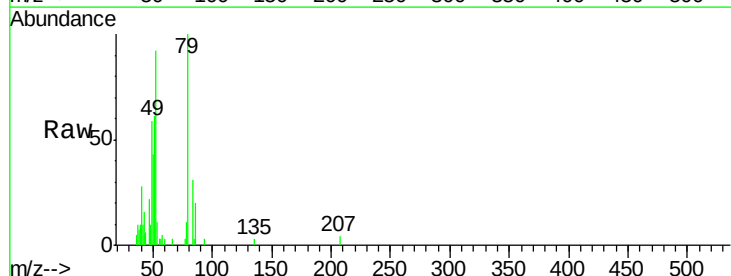
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



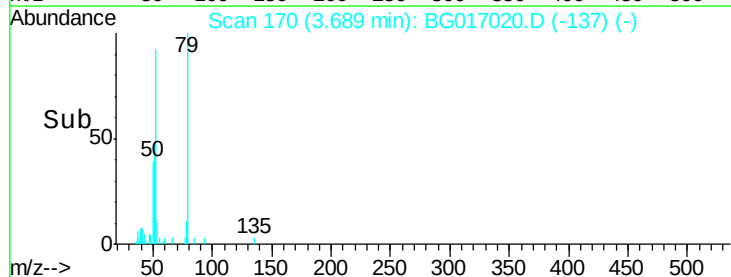
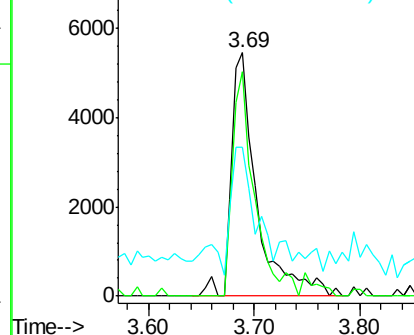
#3

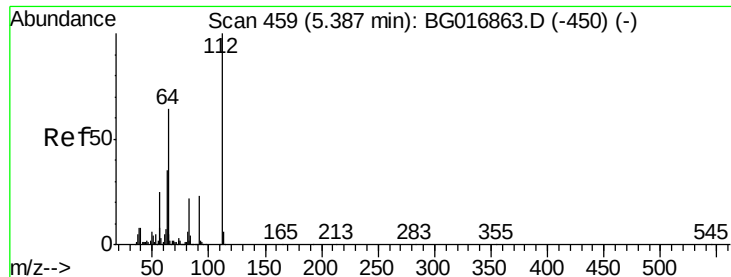
Pyridine
Concen: 2.08 ng
RT: 3.69 min Scan# 170
Delta R.T. -0.01 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

Tgt Ion	Ratio	Lower	Upper
79	100		
52	92.0	68.5	102.7
51	61.0	37.8	56.8



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 52.00 (51.70 to 52.70): BGC
Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 71.04 ng

RT: 5.38 min Scan# 458

Delta R.T. -0.01 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615

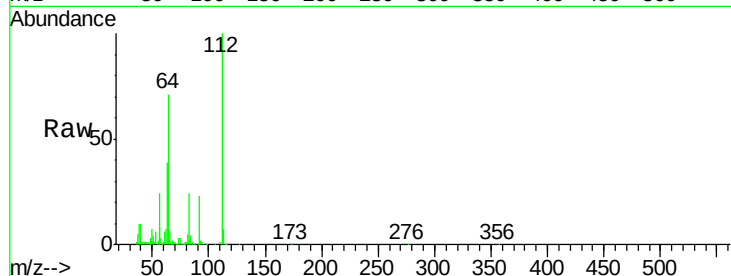
Tgt Ion: 112 Resp: 238099

Ion Ratio Lower Upper

112 100

64 71.1 51.4 77.2

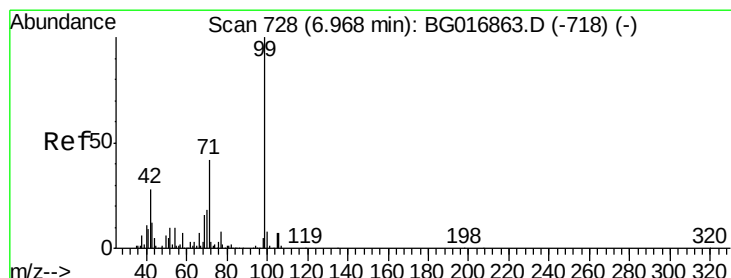
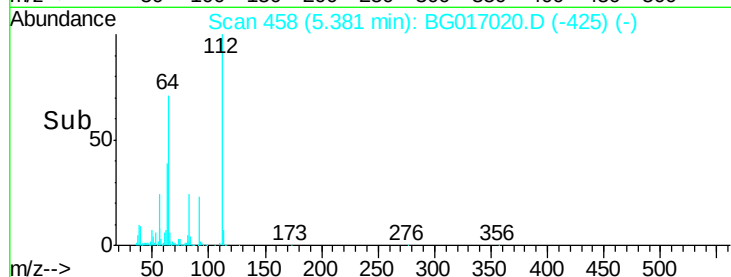
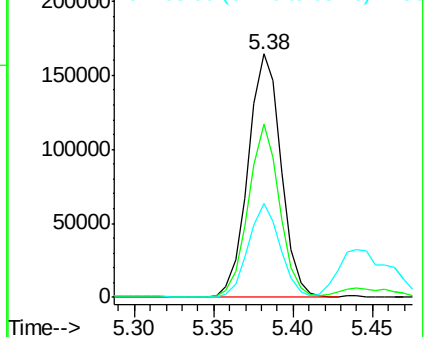
63 38.7 28.1 42.1



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 43.98 ng

RT: 6.97 min Scan# 729

Delta R.T. 0.01 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

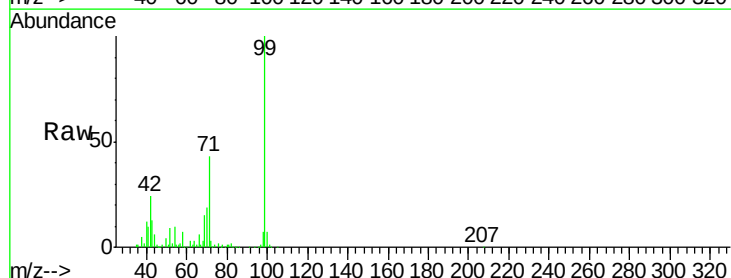
Tgt Ion: 99 Resp: 210606

Ion Ratio Lower Upper

99 100

42 24.4 22.1 33.1

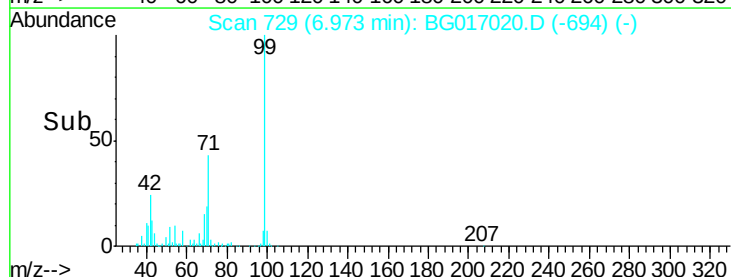
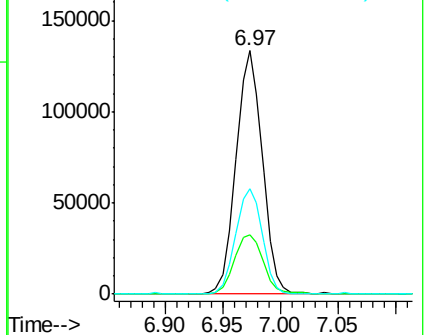
71 43.3 33.4 50.0

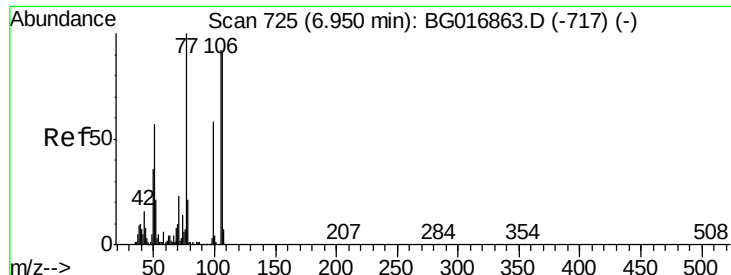


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#9

Benzaldehyde

Concen: 2.70 ng

RT: 6.94 min Scan# 723

Delta R.T. -0.01 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615

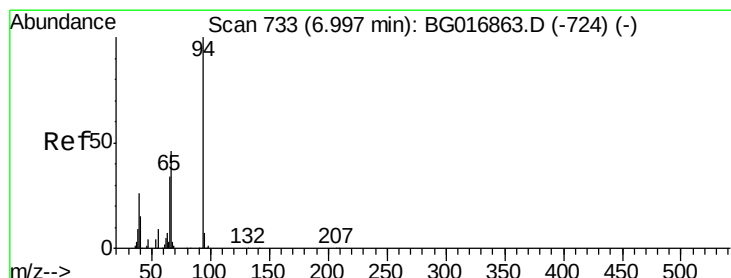
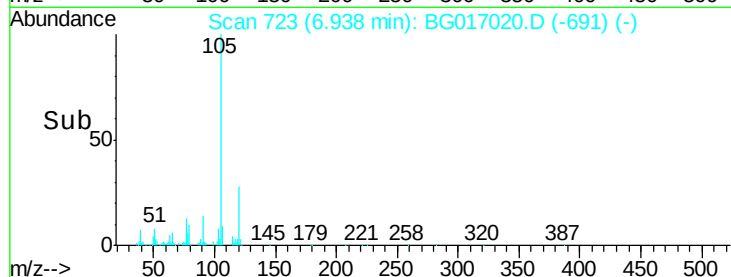
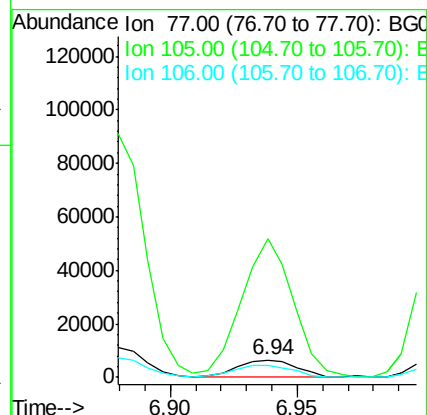
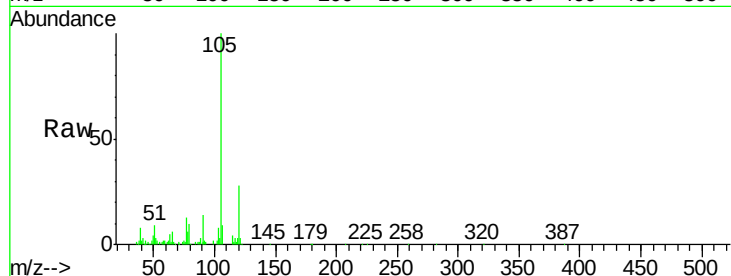
Tgt Ion: 77 Resp: 10738

Ion Ratio Lower Upper

77 100

105 786.5 71.6 111.6#

106 69.6 71.5 111.5#



#10

Phenol

Concen: 2.20 ng

RT: 7.00 min Scan# 733

Delta R.T. -0.00 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

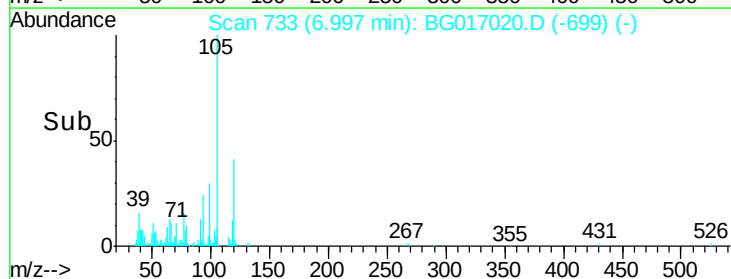
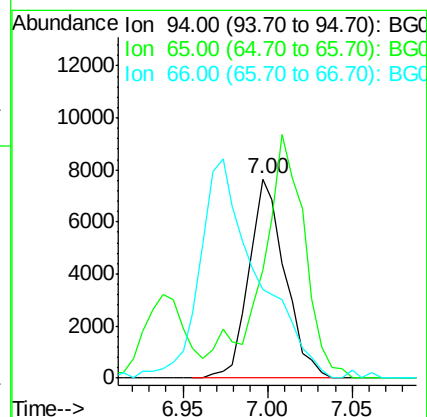
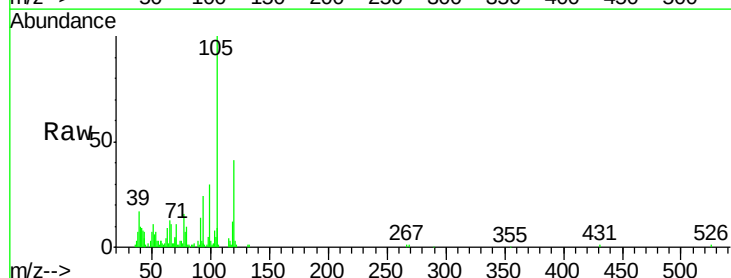
Tgt Ion: 94 Resp: 11313

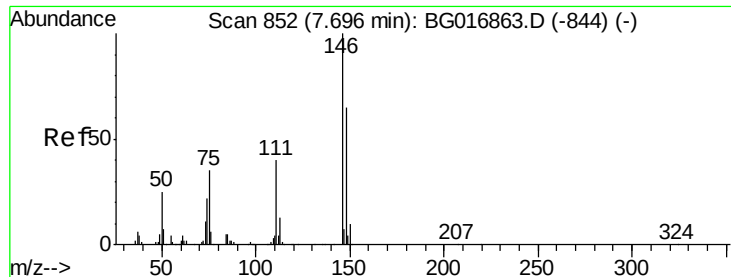
Ion Ratio Lower Upper

94 100

65 54.0 14.3 54.3

66 44.5 26.9 66.9

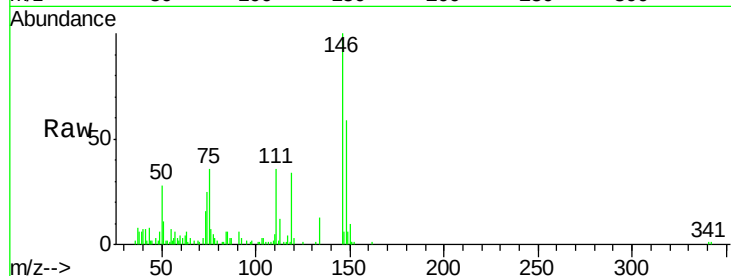




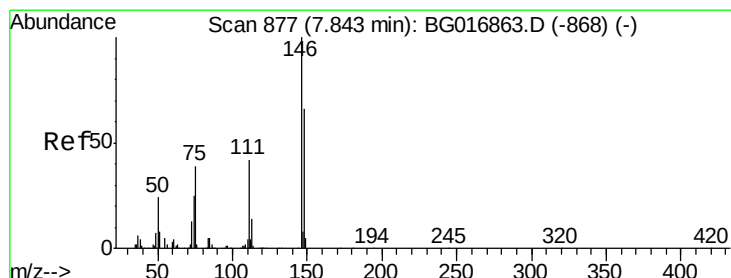
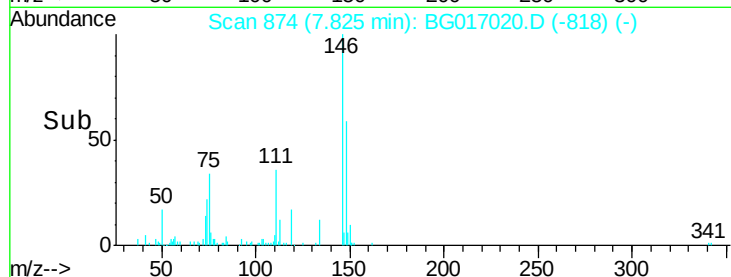
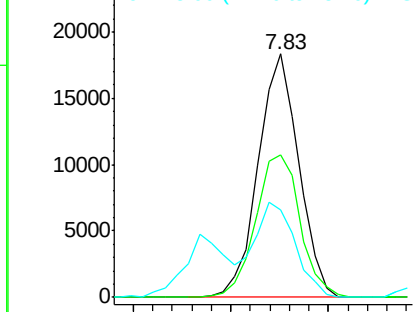
#12
 1,3-Dichlorobenzene
 Concen: 6.17 ng
 RT: 7.83 min Scan# 874
 Delta R.T. 0.13 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-134-5615

Tgt Ion:146 Resp: 26404
 Ion Ratio Lower Upper
 146 100
 148 58.6 51.9 77.9
 75 35.8 28.2 42.2

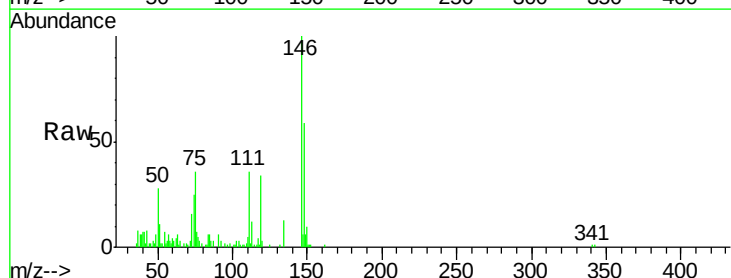


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 75.00 (74.70 to 75.70): B

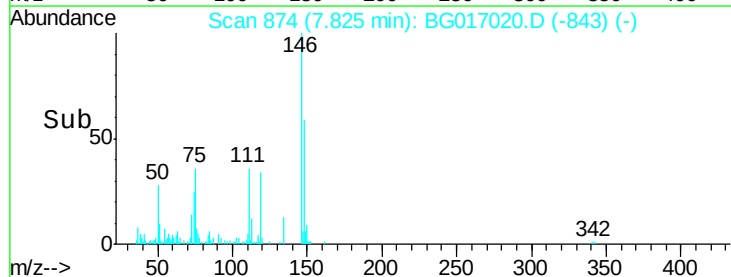
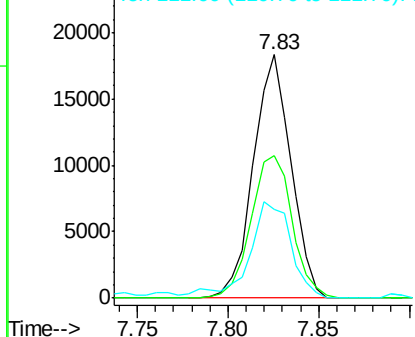


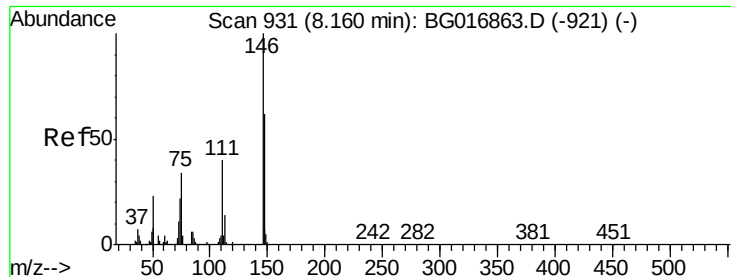
#13
 1,4-Dichlorobenzene
 Concen: 6.09 ng
 RT: 7.83 min Scan# 874
 Delta R.T. -0.02 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

Tgt Ion:146 Resp: 26401
 Ion Ratio Lower Upper
 146 100
 148 58.6 52.8 79.2
 111 36.3 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

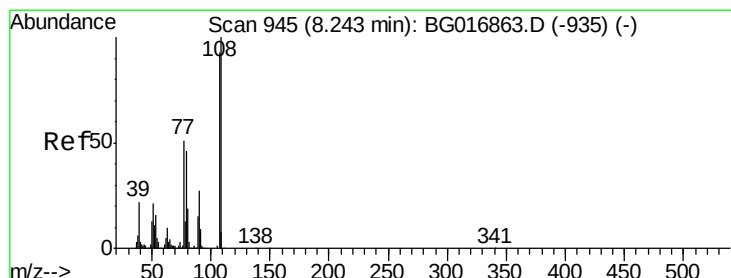
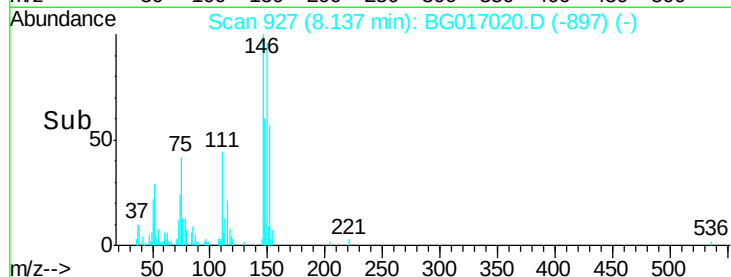
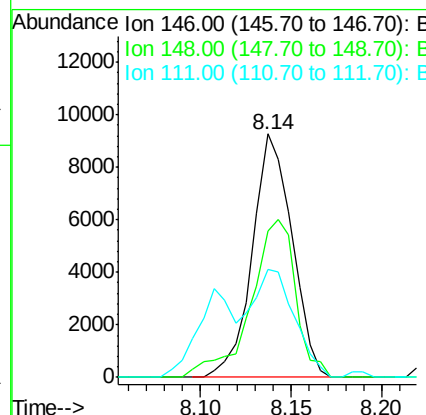
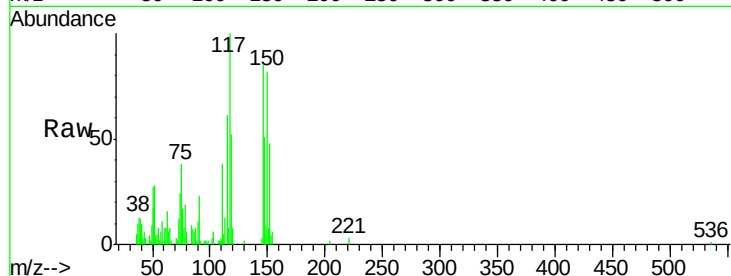




#14
 1,2-Dichlorobenzene
 Concen: 3.40 ng
 RT: 8.14 min Scan# 927
 Delta R.T. -0.02 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

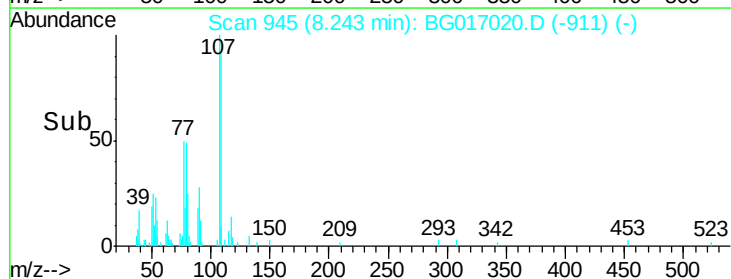
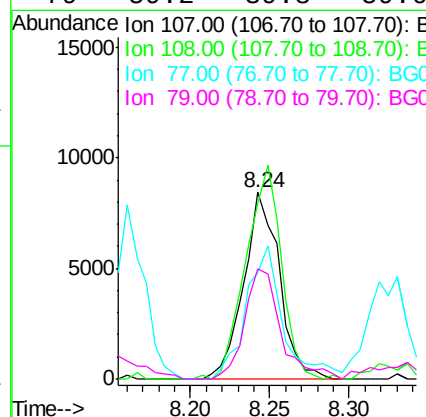
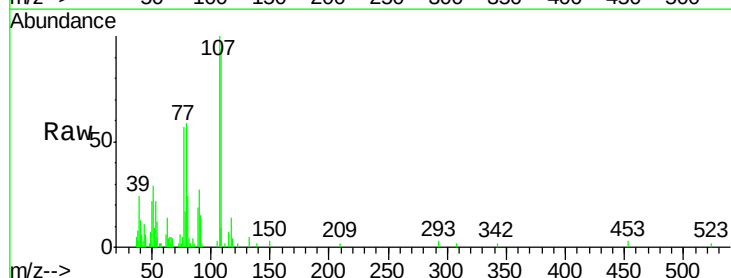
Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-134-5615

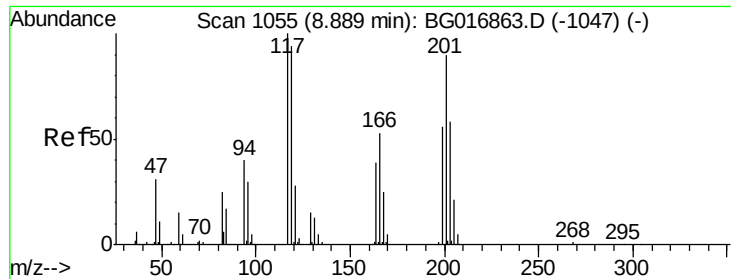
Tgt Ion	Ratio	Lower	Upper
146	100		
148	60.2	49.9	74.9
111	44.3	32.1	48.1



#17
 2-Methylphenol
 Concen: 3.63 ng
 RT: 8.24 min Scan# 945
 Delta R.T. -0.00 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

Tgt Ion	Ratio	Lower	Upper
107	100		
108	94.0	85.9	128.9
77	56.7	43.8	65.6
79	59.2	39.8	59.6

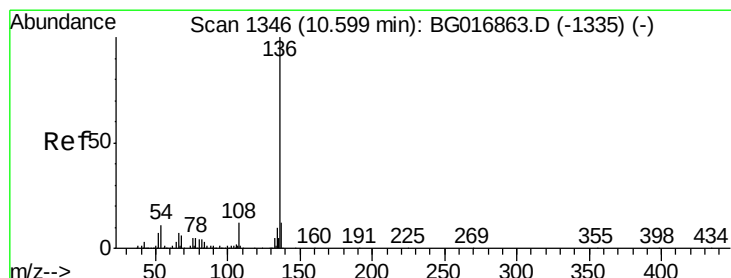
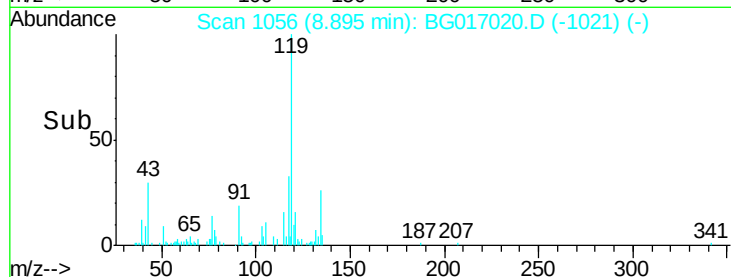
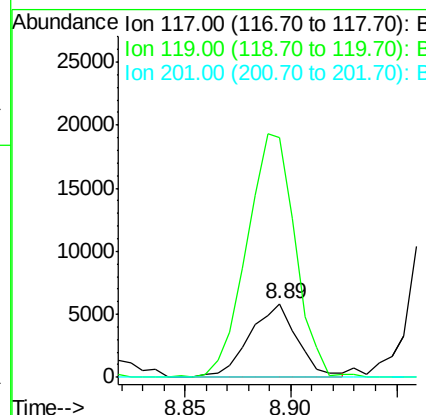
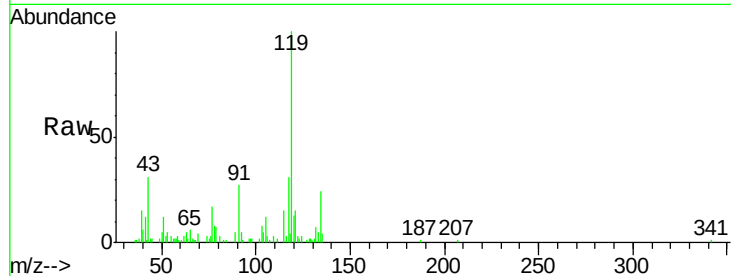




#18
Hexachloroethane
Concen: 5.13 ng
RT: 8.89 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

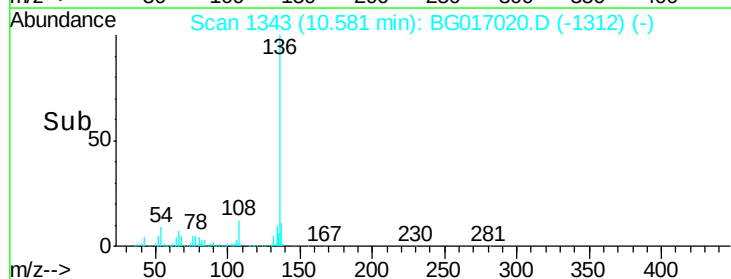
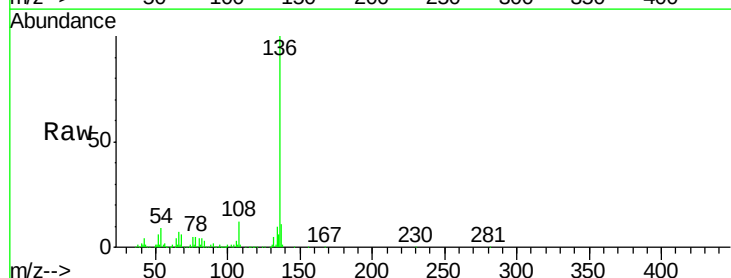
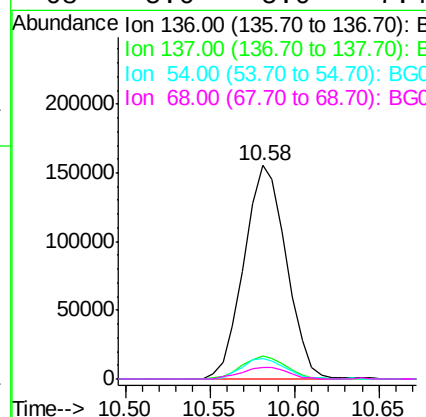
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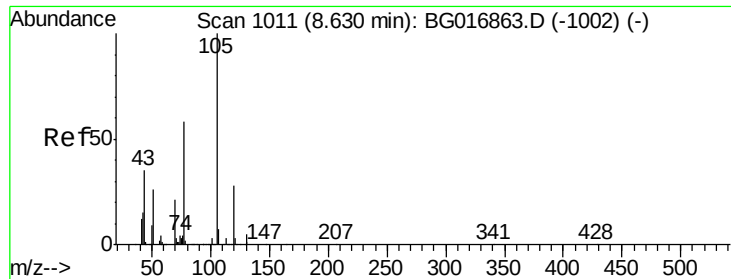
Tgt Ion:117 Resp: 9140
Ion Ratio Lower Upper
117 100
119 325.7 74.8 112.2#
201 0.0 72.1 108.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.58 min Scan# 1343
Delta R.T. -0.02 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

Tgt Ion:136 Resp: 271140
Ion Ratio Lower Upper
136 100
137 10.6 9.8 14.8
54 9.4 8.7 13.1
68 5.6 5.0 7.4





#22

Acetophenone

Concen: 3.25 ng

RT: 8.60 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615

Tgt Ion: 105 Resp: 20993

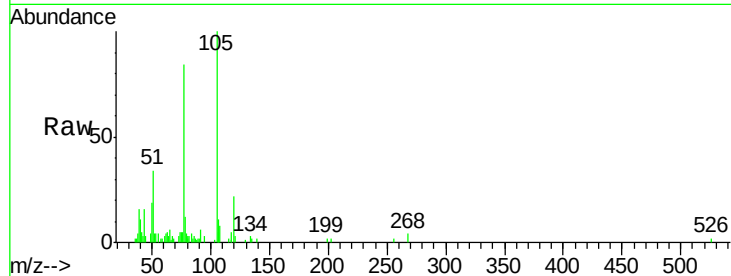
Ion Ratio Lower Upper

105 100

71 0.0 2.8 4.2#

51 34.2 29.4 44.2

120 21.7 22.2 33.4#

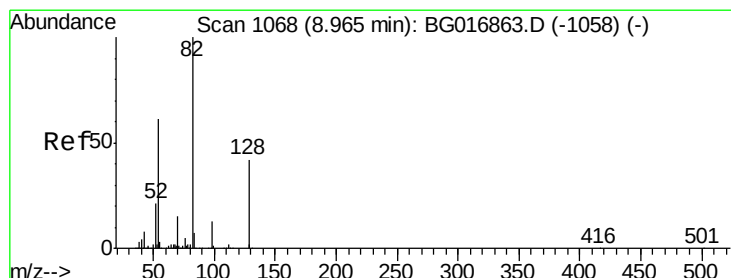
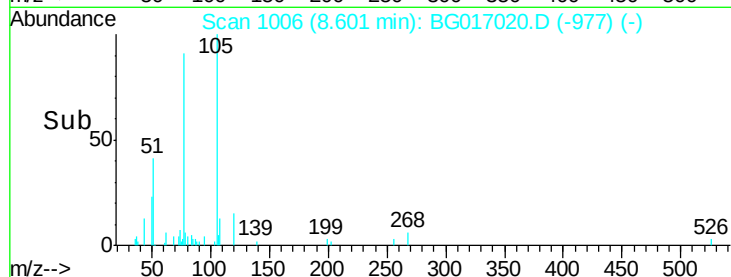
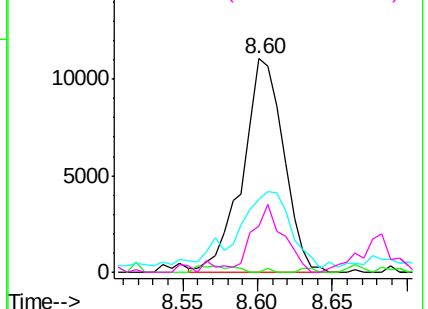


Abundance Ion 105.00 (104.70 to 105.70): E

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: 91.52 ng

RT: 8.95 min Scan# 1065

Delta R.T. -0.02 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

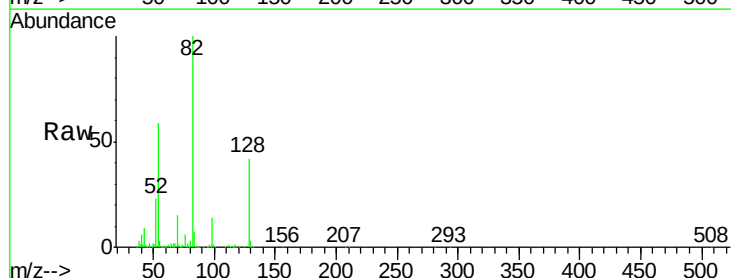
Tgt Ion: 82 Resp: 507939

Ion Ratio Lower Upper

82 100

128 41.8 33.2 49.8

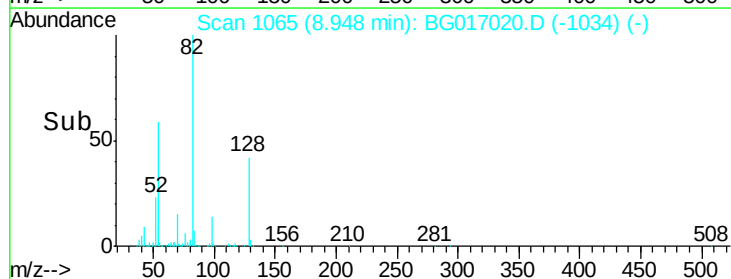
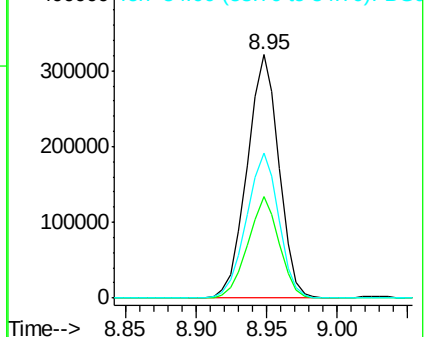
54 59.5 48.6 72.8

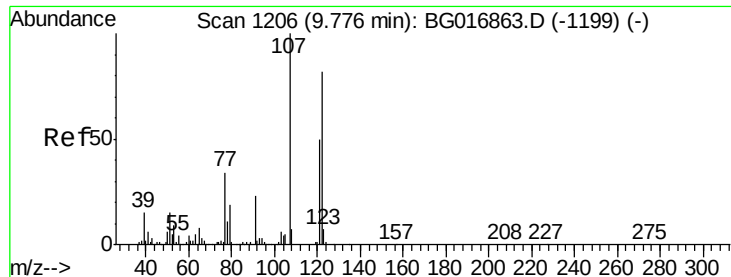


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

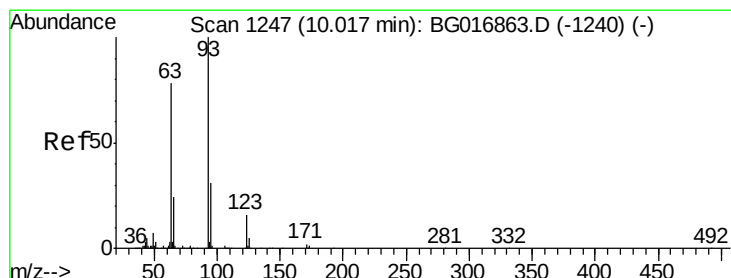
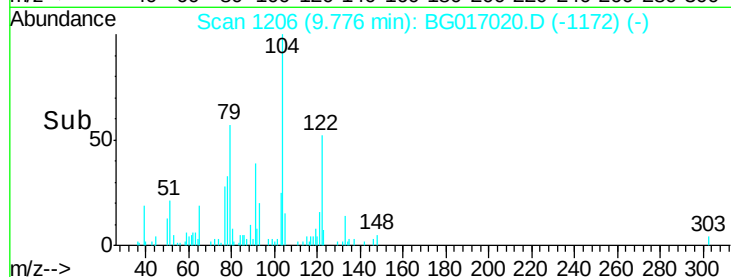
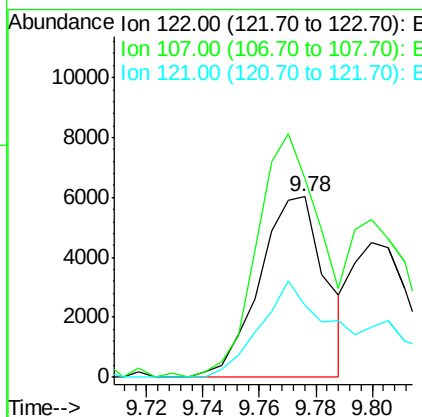
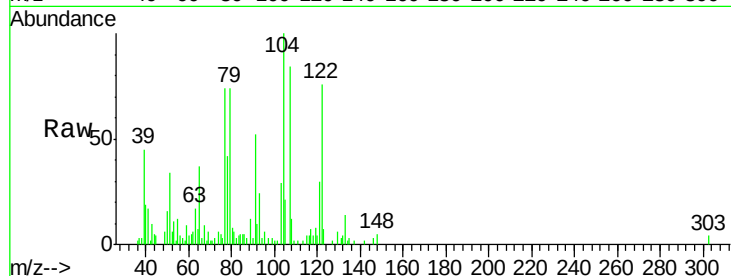




#27
 2,4-Dimethylphenol
 Concen: 2.36 ng
 RT: 9.78 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

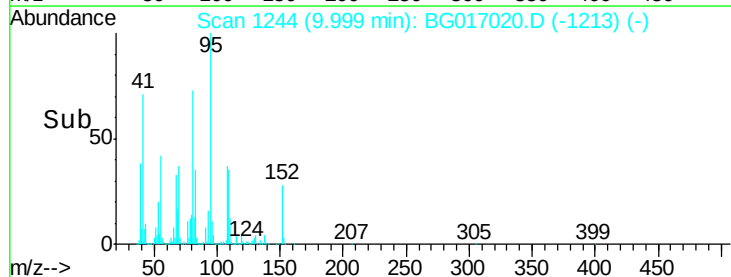
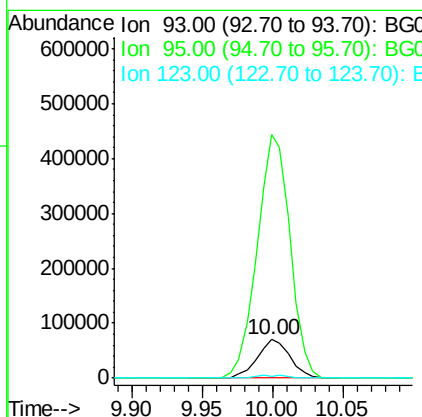
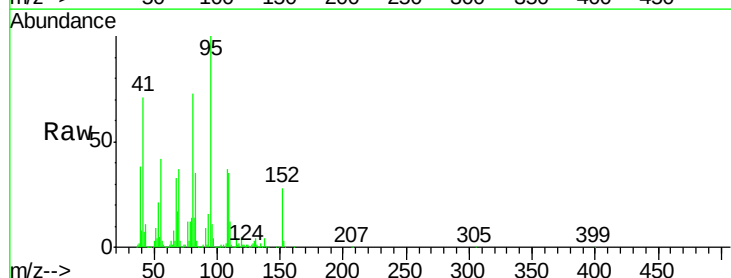
Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-134-5615

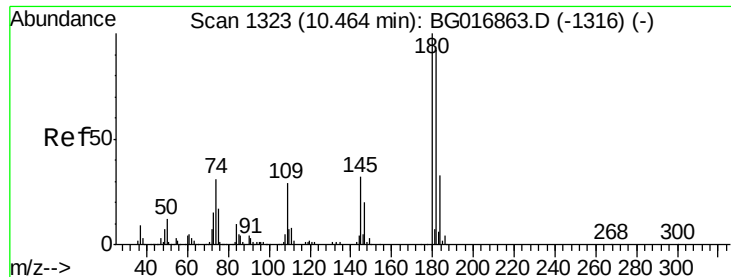
Tgt Ion: 122 Resp: 9745
 Ion Ratio Lower Upper
 122 100
 107 110.2 97.6 146.4
 121 39.9 48.4 72.6#



#28
 bis(2-Chloroethoxy)methane
 Concen: 20.28 ng
 RT: 10.00 min Scan# 1244
 Delta R.T. -0.02 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

Tgt Ion: 93 Resp: 114721
 Ion Ratio Lower Upper
 93 100
 95 630.5 24.8 37.2#
 123 5.5 12.6 19.0#

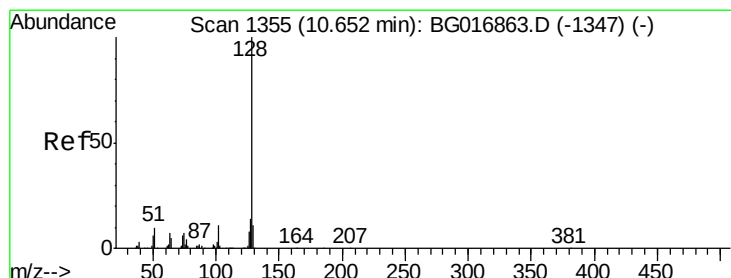
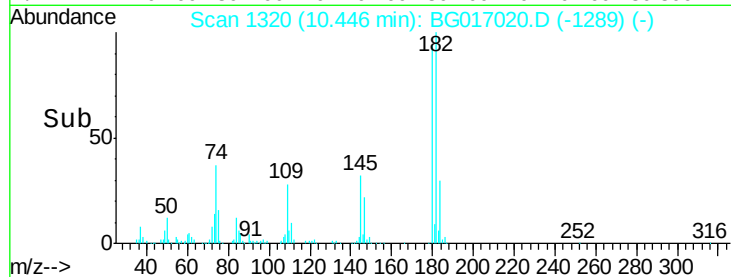
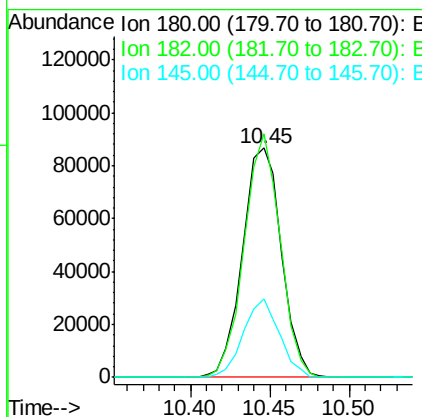
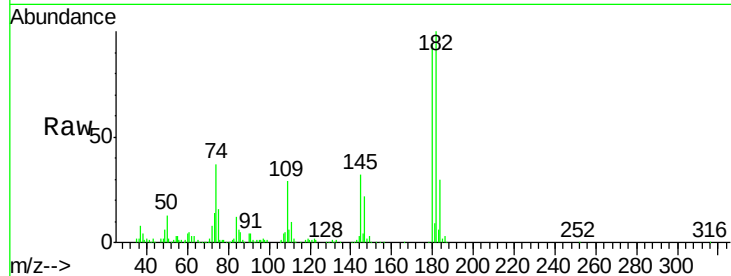




#30
 1,2,4-Trichlorobenzene
 Concen: 35.82 ng
 RT: 10.45 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

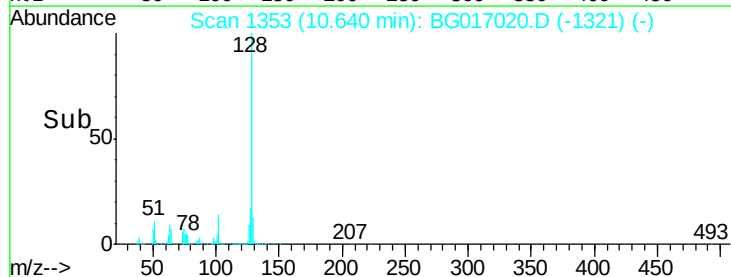
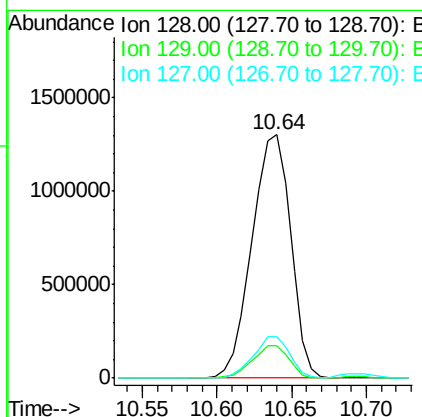
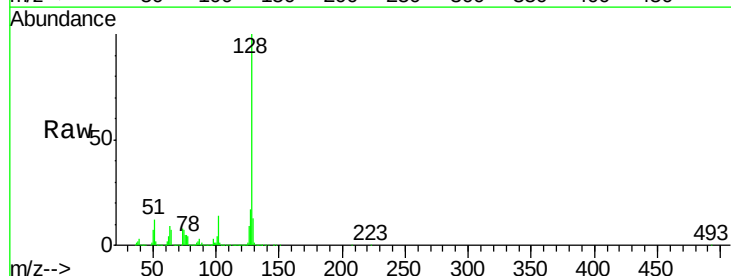
Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-134-5615

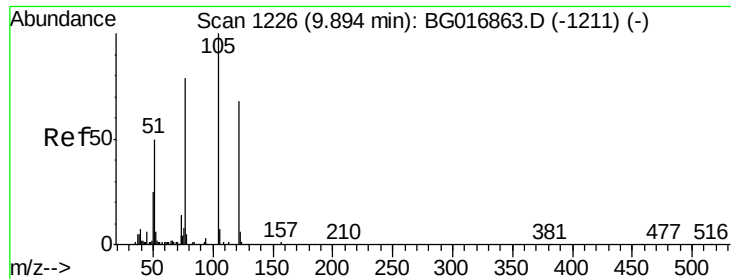
Tgt Ion	Ratio	Lower	Upper
180	100		
182	106.2	73.8	110.8
145	34.2	25.4	38.0



#31
 Naphthalene
 Concen: 173.59 ng
 RT: 10.64 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

Tgt Ion	Ratio	Lower	Upper
128	100		
129	13.3	9.1	13.7
127	16.8	10.9	16.3

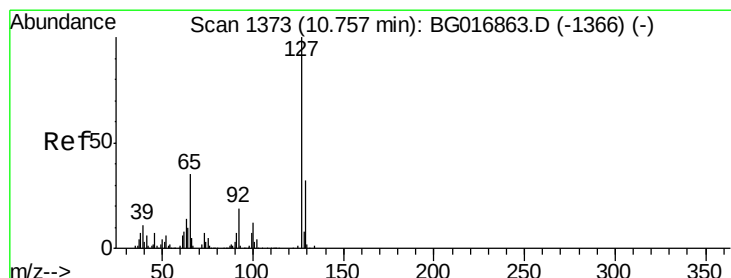
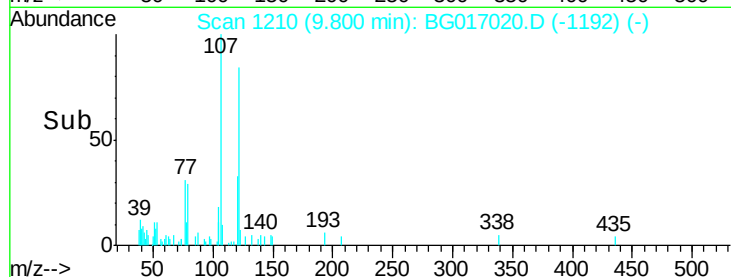
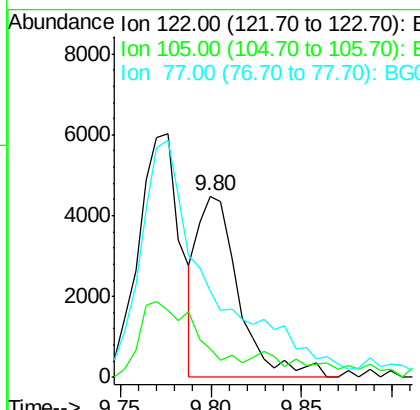
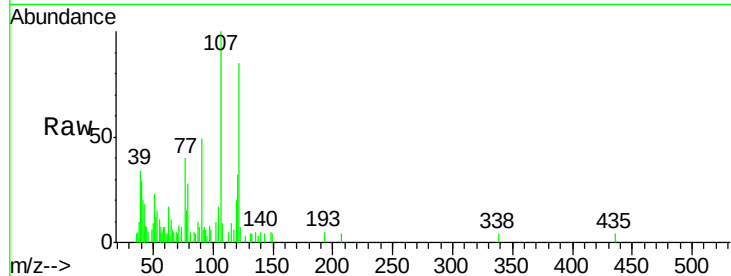




#32
Benzoic acid
Concen: 3.85 ng
RT: 9.80 min Scan# 1210
Delta R.T. -0.09 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

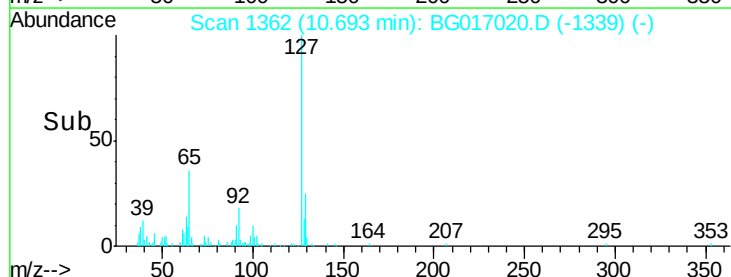
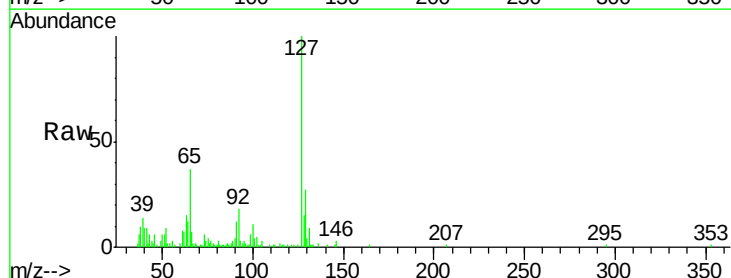
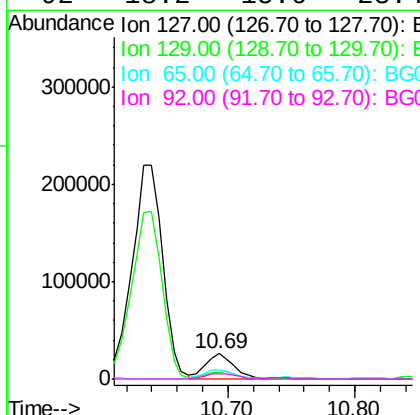
Instrument :
BNA_G
ClientSampleId :
DCW-WW-134-5615

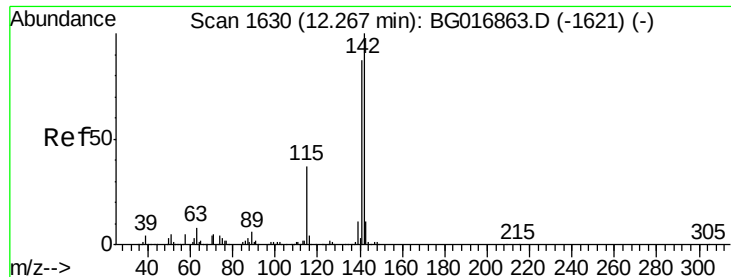
Tgt Ion	Ratio	Lower	Upper
122	100		
105	15.4	123.2	163.2#
77	47.2	93.0	133.0#



#33
4-Chloroaniline
Concen: 6.90 ng
RT: 10.69 min Scan# 1362
Delta R.T. -0.06 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

Tgt Ion	Ratio	Lower	Upper
127	100		
129	27.3	25.8	38.6
65	37.0	28.2	42.2
92	18.2	15.6	23.4

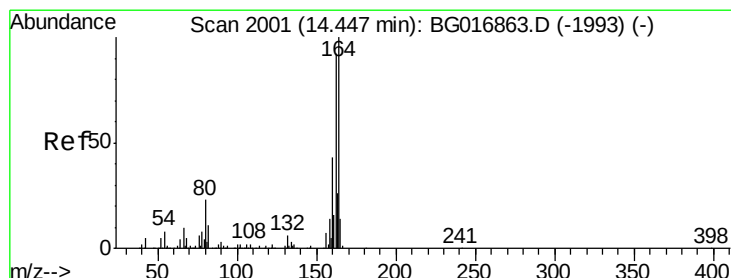
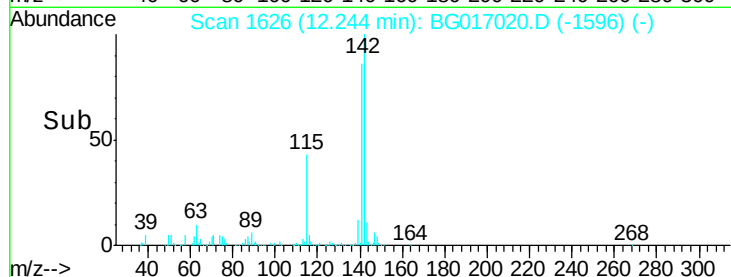
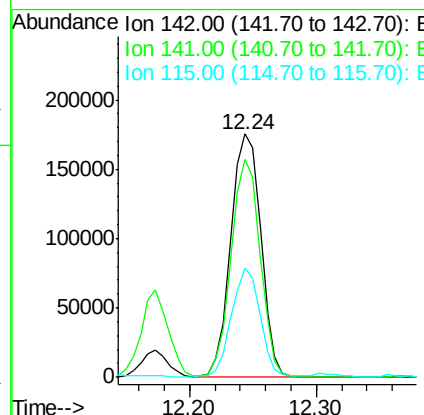
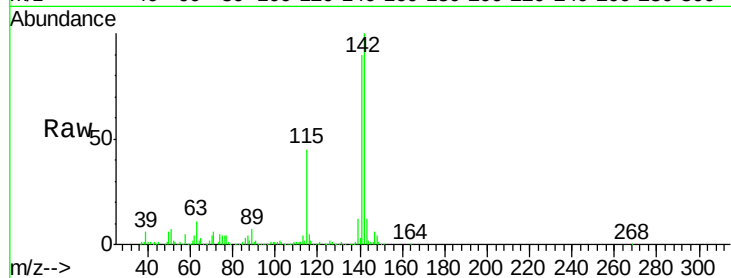




#37
2-Methylnaphthalene
Concen: 28.01 ng
RT: 12.24 min Scan# 1626
Delta R.T. -0.02 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

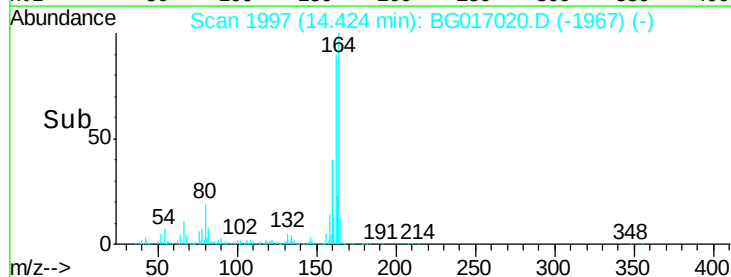
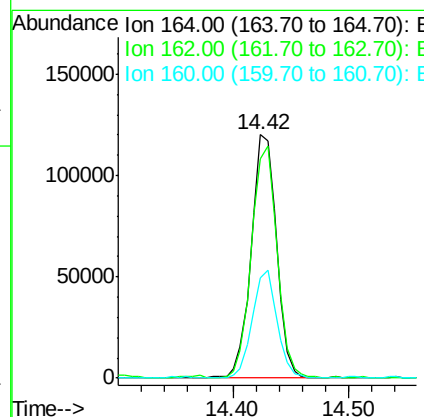
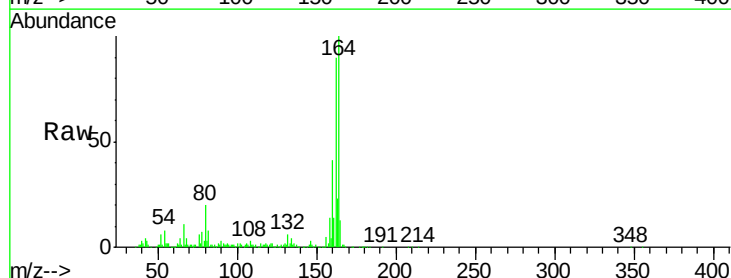
Instrument :
BNA_G
ClientSampleId :
DCW-WW-134-5615

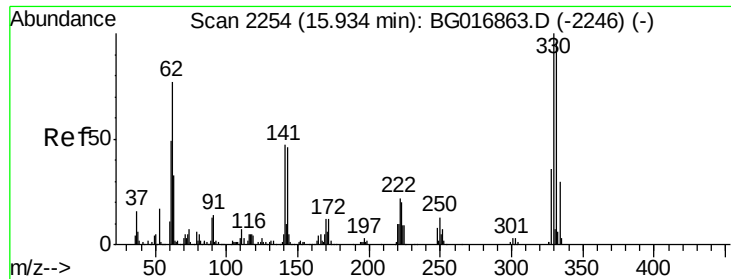
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.6	69.9	104.9
115	44.8	29.8	44.8#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.42 min Scan# 1997
Delta R.T. -0.02 min
Lab File: BG017020.D
Acq: 10 May 2015 11:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	89.9	74.0	111.0
160	41.3	34.7	52.1

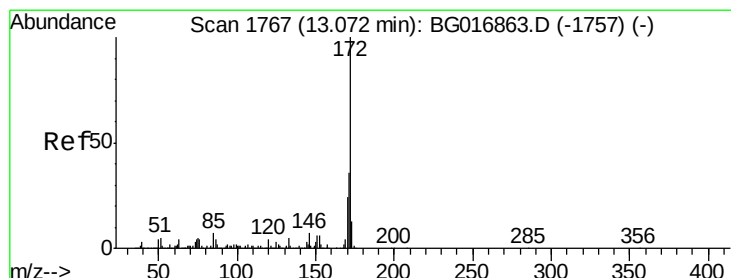
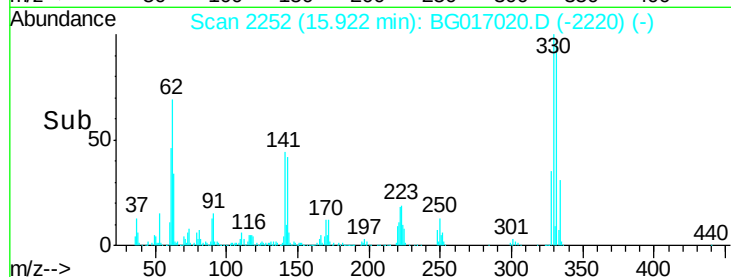
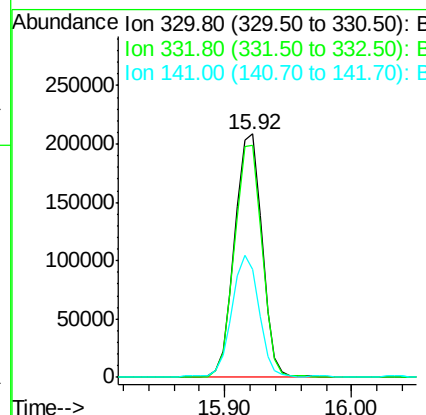
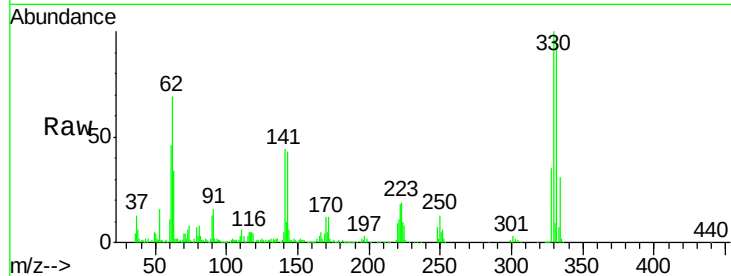




#41
 2,4,6-Tribromophenol
 Concen: 168.40 ng
 RT: 15.92 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

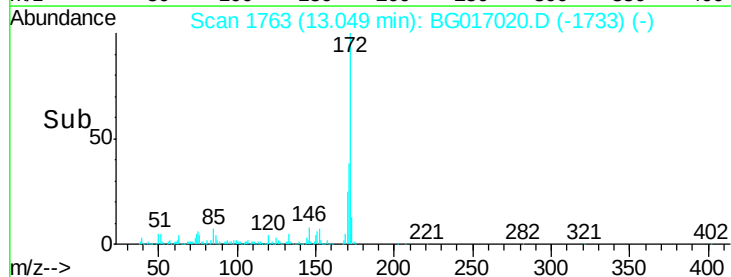
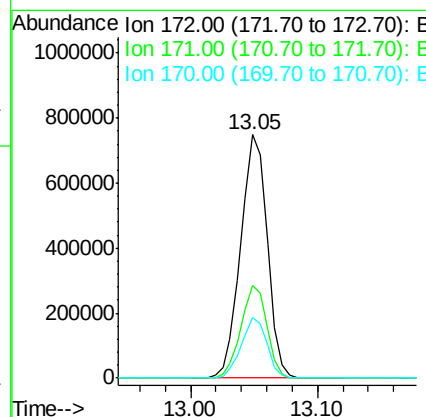
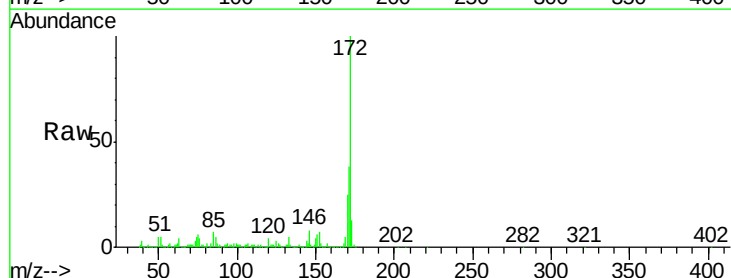
Instrument :
 BNA_G
 ClientSampleId :
 DCW-WW-134-5615

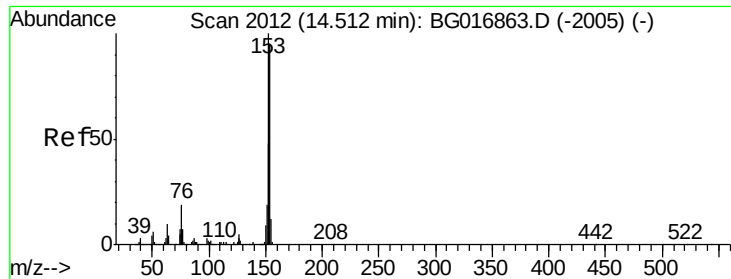
Tgt Ion:330 Resp: 311081
 Ion Ratio Lower Upper
 330 100
 332 95.6 0.0 0.0#
 141 49.6 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 88.78 ng
 RT: 13.05 min Scan# 1763
 Delta R.T. -0.02 min
 Lab File: BG017020.D
 Acq: 10 May 2015 11:25

Tgt Ion:172 Resp: 1082538
 Ion Ratio Lower Upper
 172 100
 171 37.8 29.0 43.4
 170 24.8 19.0 28.4





#51

Acenaphthene

Concen: 3.27 ng

RT: 14.49 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615

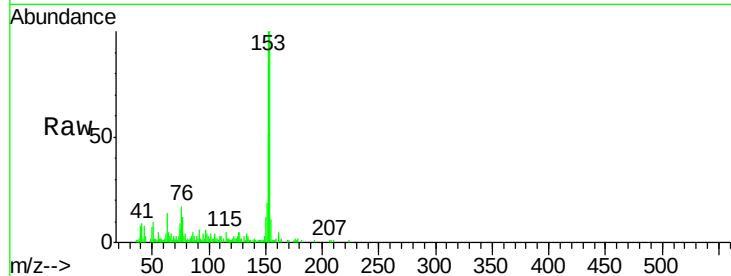
Tgt Ion:154 Resp: 35321

Ion Ratio Lower Upper

154 100

153 100.5 84.2 126.4

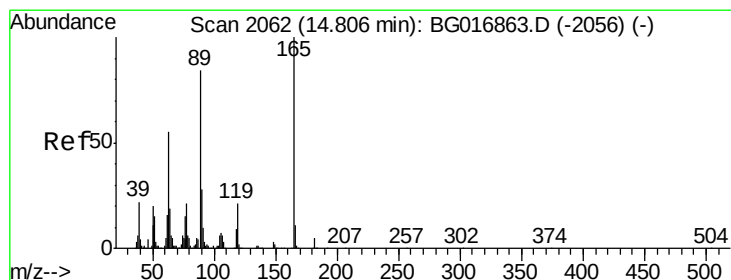
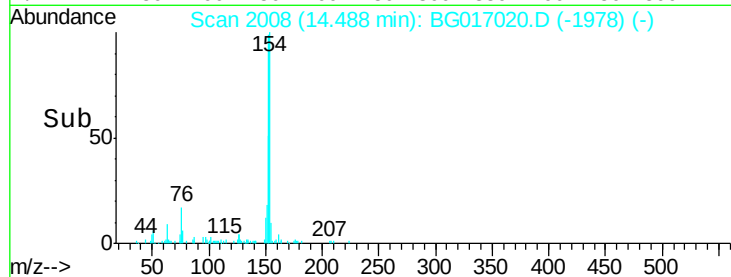
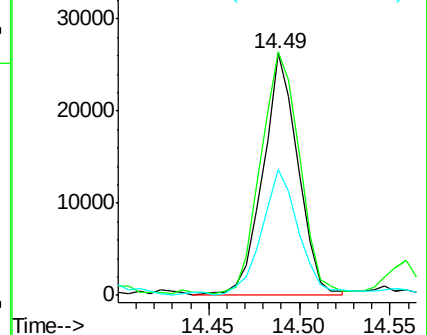
152 51.7 40.2 60.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 8.93 ng

RT: 14.79 min Scan# 2059

Delta R.T. -0.02 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Tgt Ion:165 Resp: 32606

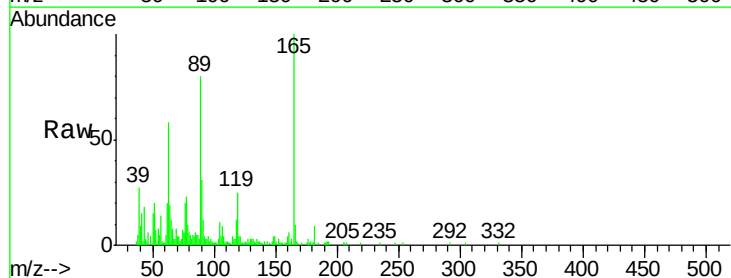
Ion Ratio Lower Upper

165 100

63 58.2 44.2 66.4

89 80.3 67.2 100.8

182 8.9 4.2 6.4#

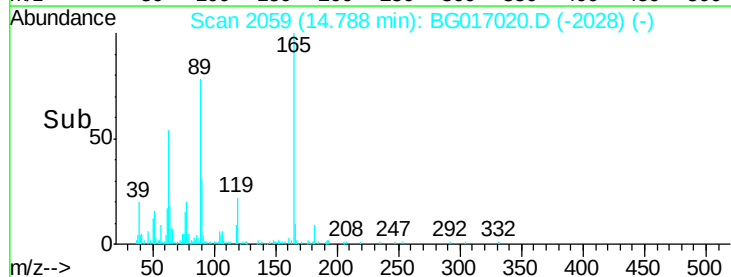
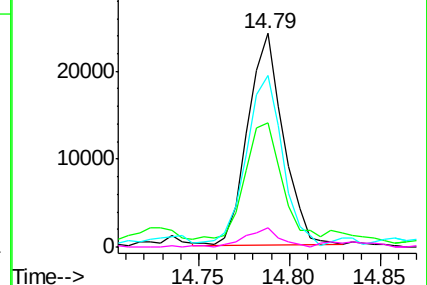


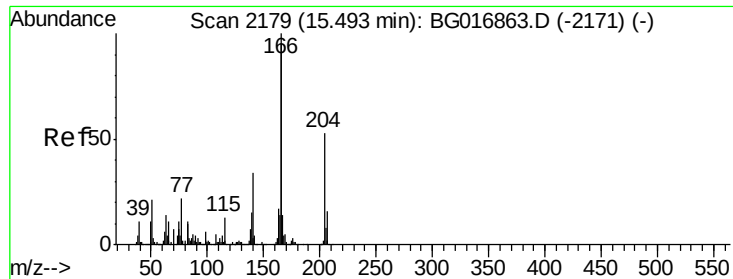
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#57

Fluorene

Concen: 3.10 ng

RT: 15.48 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615

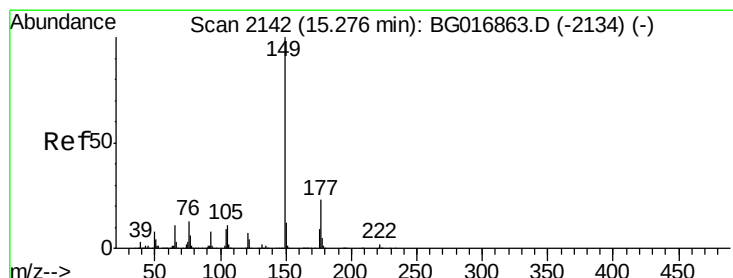
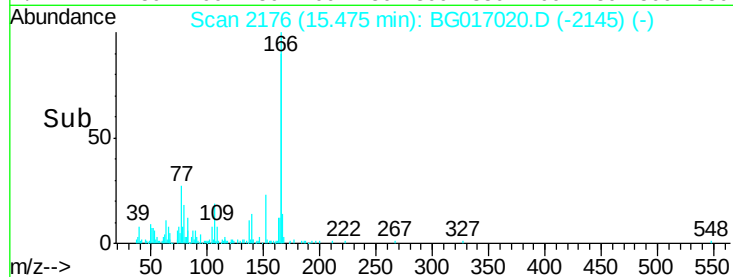
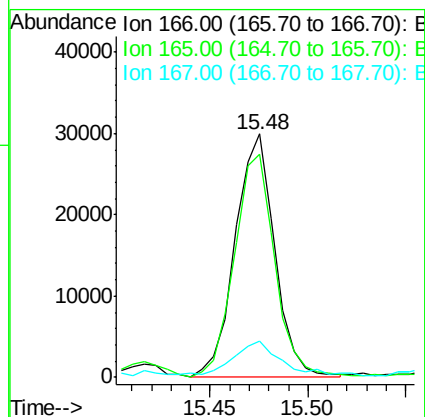
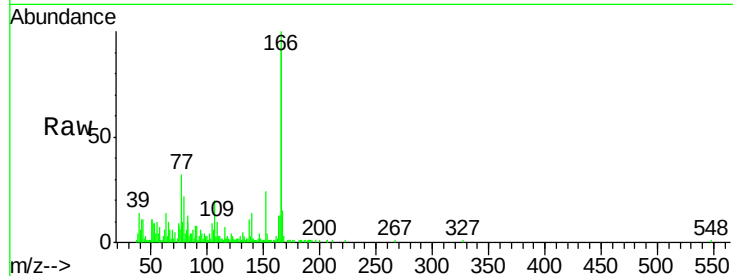
Tgt Ion:166 Resp: 42094

Ion Ratio Lower Upper

166 100

165 91.8 76.1 114.1

167 15.0 11.4 17.2



#59

Diethylphthalate

Concen: 2.54 ng

RT: 15.25 min Scan# 2137

Delta R.T. -0.03 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

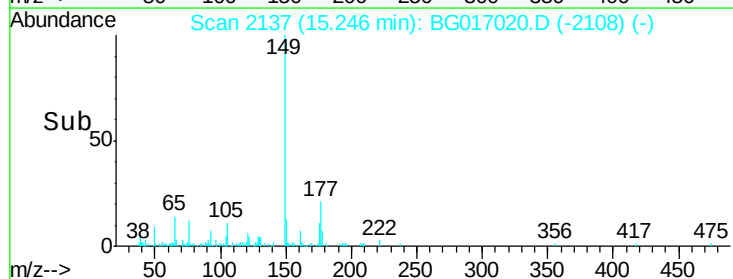
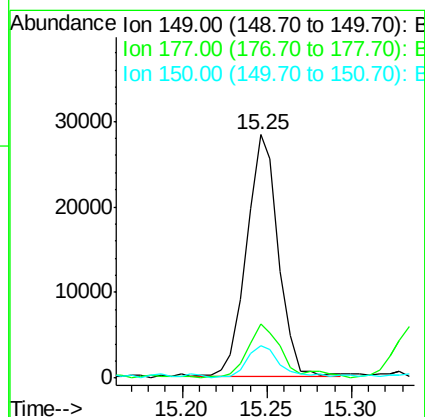
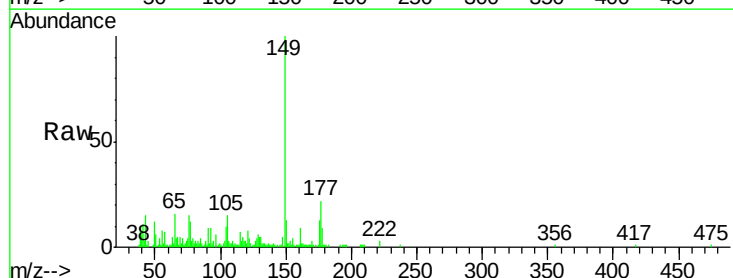
Tgt Ion:149 Resp: 36872

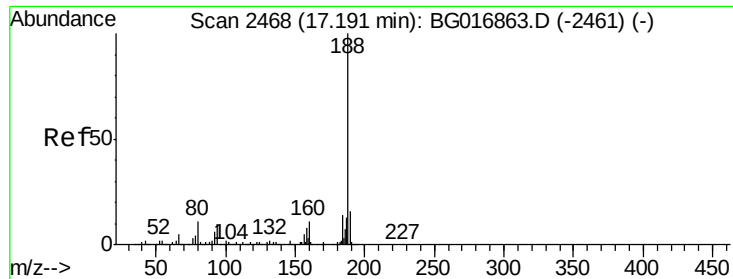
Ion Ratio Lower Upper

149 100

177 22.3 18.6 27.8

150 13.4 9.8 14.8





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.17 min Scan# 2464

Delta R.T. -0.02 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

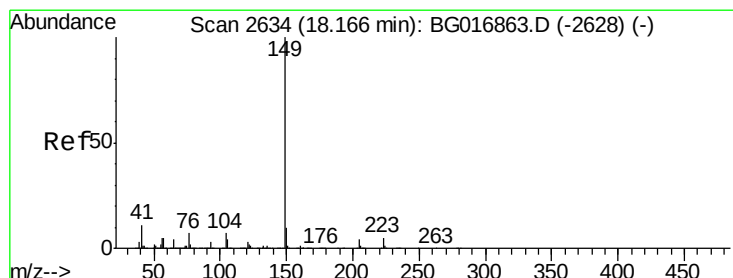
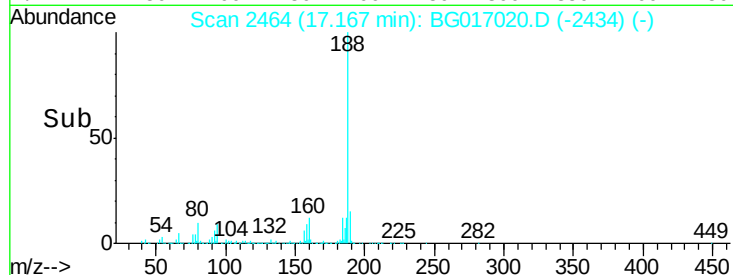
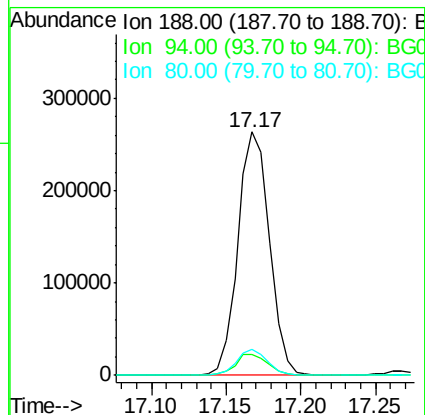
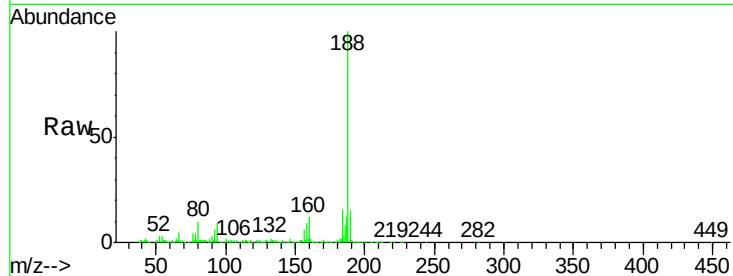
Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615

Tgt Ion:188	Resp:	384677
Ion	Ratio	Lower Upper
188	100	
94	8.8	8.2 12.4
80	10.5	8.8 13.2



#73

Di-n-butylphthalate

Concen: 2.26 ng

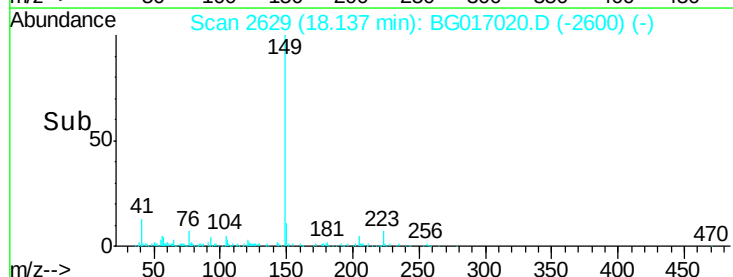
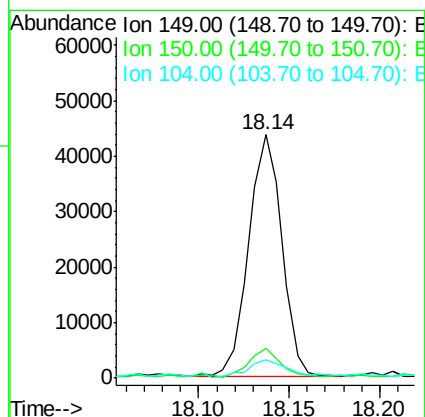
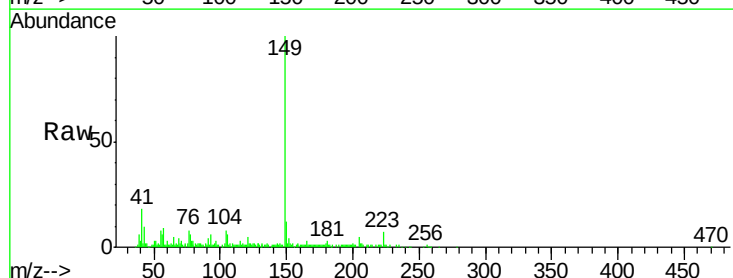
RT: 18.14 min Scan# 2629

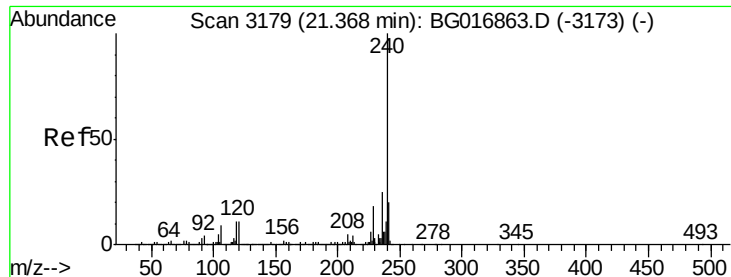
Delta R.T. -0.03 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Tgt Ion:149	Resp:	55716
Ion	Ratio	Lower Upper
149	100	
150	12.1	7.7 11.5#
104	7.6	5.4 8.0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.34 min Scan# 3175

Delta R.T. -0.02 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615

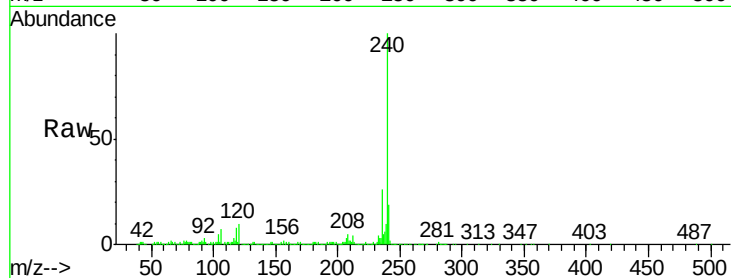
Tgt Ion:240 Resp: 380496

Ion Ratio Lower Upper

240 100

120 10.1 9.1 13.7

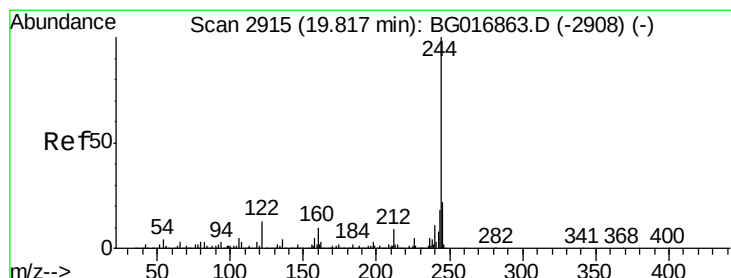
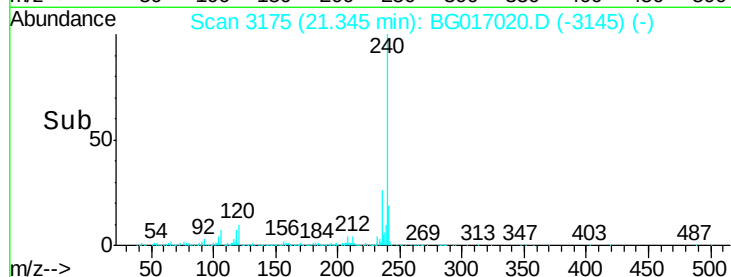
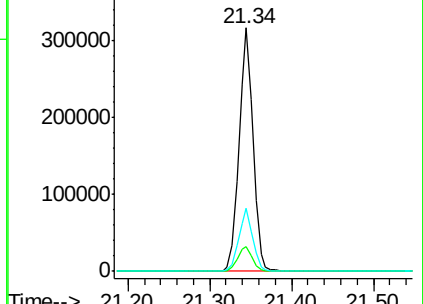
236 26.0 20.2 30.4



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: 94.19 ng

RT: 19.79 min Scan# 2911

Delta R.T. -0.02 min

Lab File: BG017020.D

Acq: 10 May 2015 11:25

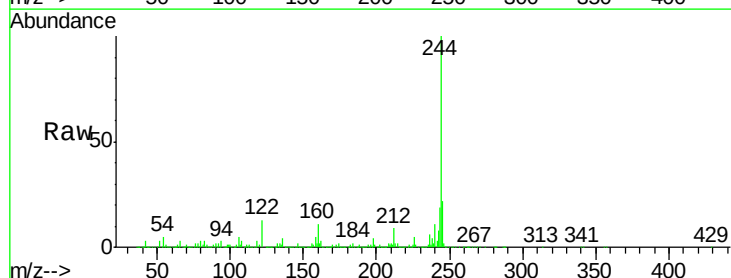
Tgt Ion:244 Resp: 1528733

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

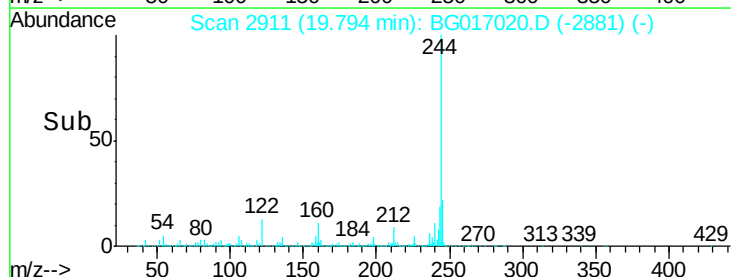
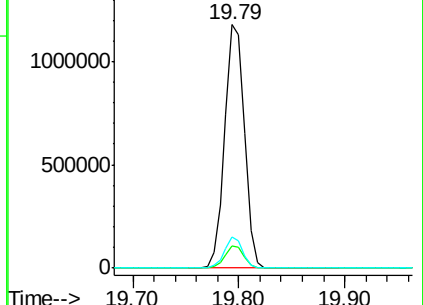
122 12.7 10.4 15.6

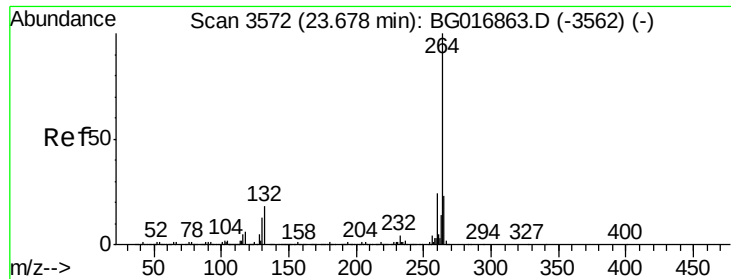


Abundance Ion 244.00 (243.70 to 244.70): E

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# 3565

Delta R.T. -0.04 min

Lab File: BG017020.D

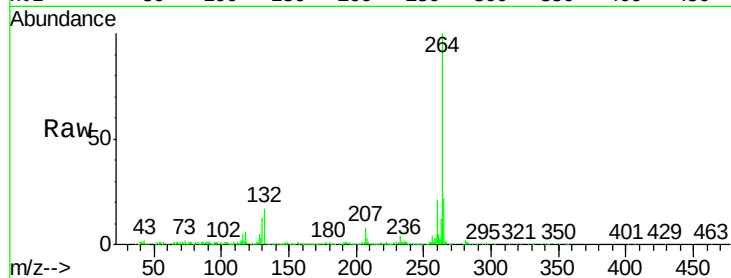
Acq: 10 May 2015 11:25

Instrument :

BNA_G

ClientSampleId :

DCW-WW-134-5615



Tgt Ion: 264 Resp: 370753

Ion Ratio Lower Upper

264 100

260 21.0 19.5 29.3

265 22.1 18.5 27.7

