

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104153.D
 Acq On : 3 Apr 2018 1:46
 Operator : JU/SJ
 Sample : J2173-01DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 02:23:52 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	86261	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	276384	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	153283	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	225019	20.00	ng	0.00
75) Chrysene-d12	14.14	240	211886	20.00	ng	0.00
86) Perylene-d12	15.69	264	203227	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	16351	3.02	ng	0.02
7) Phenol-d6	6.62	99	42744	6.42	ng	0.02
23) Nitrobenzene-d5	7.53	82	104542	23.13	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	36620	21.46	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	218577	22.49	ng	0.00
78) Terphenyl-d14	13.07	244	117832	12.84	ng	0.00

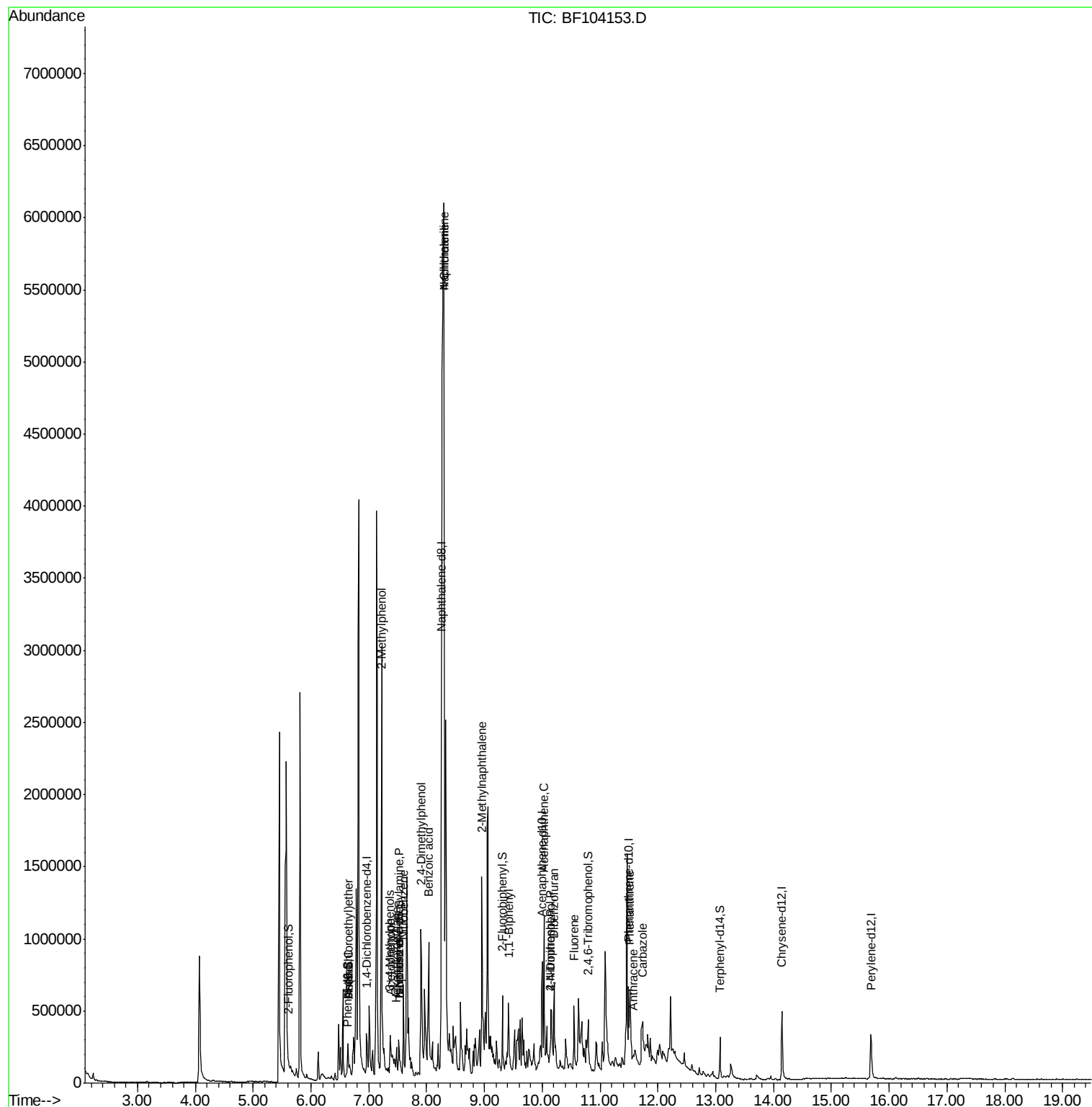
Target Compounds				Qvalue		
6) Aniline	6.64	93	57830	7.259	ng	# 71
10) Phenol	6.64	94	28244	3.830	ng	# 1
11) bis(2-Chloroethyl)ether	6.64	93	57830	9.102	ng	# 39
17) 2-Methylphenol	7.21	107	50765	10.512	ng	94
18) Hexachloroethane	7.48	117	8083	3.378	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	12822	3.247	ng	# 75
20) 3+4-Methylphenols	7.37	107	167035	27.102	ng	94
22) Acetophenone	7.38	105	26758	4.001	ng	# 60
24) Nitrobenzene	7.60	77	33843	7.117	ng	# 42
25) Isophorone	7.53	82	104542	12.552	ng	# 64
27) 2,4-Dimethylphenol	7.90	122	343170	95.864	ng	99
31) Naphthalene	8.29	128	8166773	604.843	ng	97
32) Benzoic acid	8.03	122	236223	90.079	ng	# 15
33) 4-Chloroaniline	8.30	127	1158826	203.573	ng	# 36
37) 2-Methylnaphthalene	8.96	142	451693	50.786	ng	99
45) 1,1'-Biphenyl	9.42	154	153742	11.686	ng	98
51) Acenaphthene	10.03	154	260126	28.602	ng	99
53) 2,4-Dinitrophenol	10.14	184	1029	6.415	ng	# 3
54) Dibenzofuran	10.20	168	297358	22.389	ng	99
55) 4-Nitrophenol	10.14	139	5731	3.193	ng	# 44
57) Fluorene	10.55	166	177957	16.244	ng	98
70) Phenanthrene	11.52	178	223849	18.374	ng	98
71) Anthracene	11.57	178	38826	3.051	ng	96
72) Carbazole	11.73	167	152800	12.581	ng	98

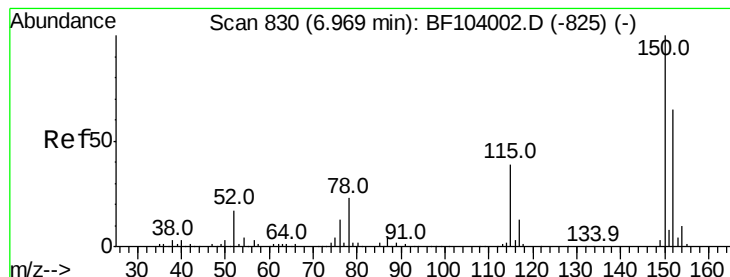
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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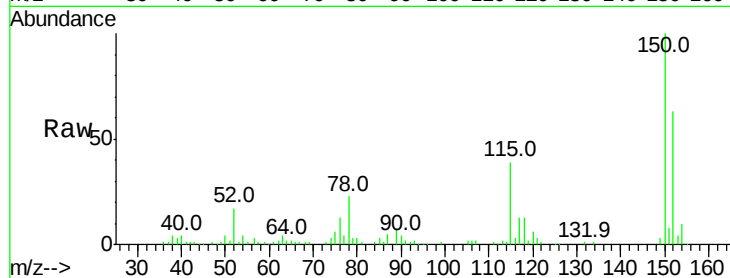


#1

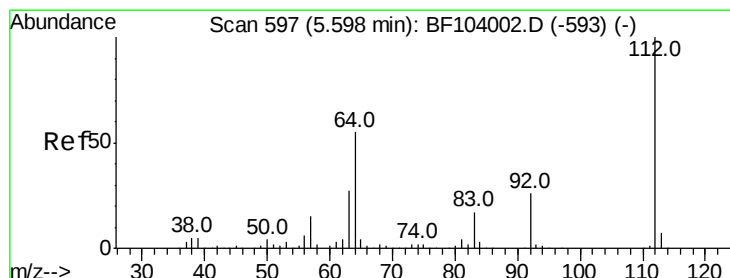
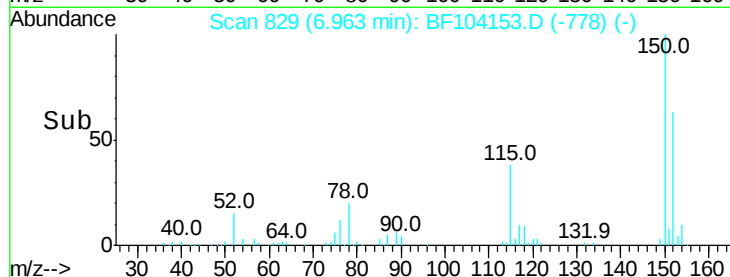
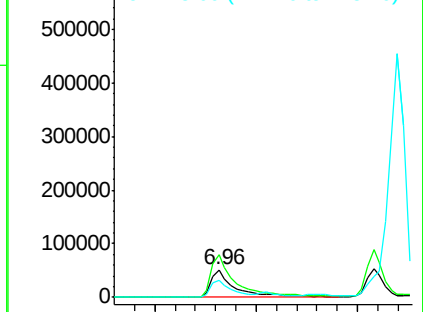
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.00 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86261
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 62.2 50.1 75.1



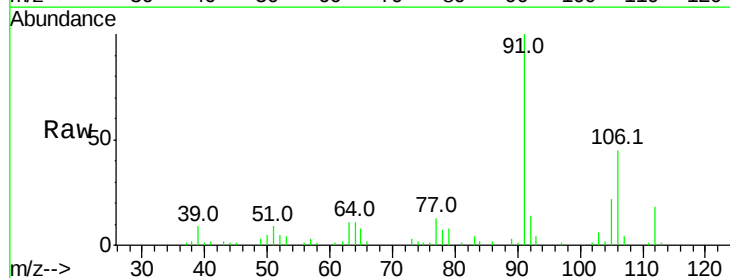
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



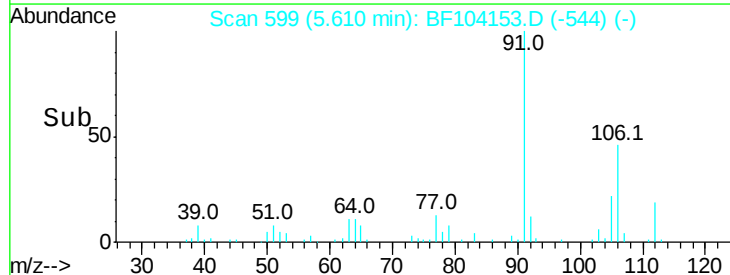
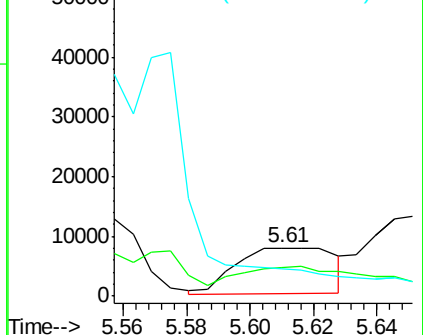
#5

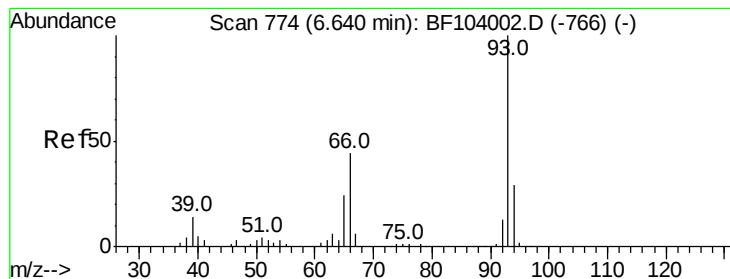
2-Fluorophenol
Concen: 3.023 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion:112 Resp: 16351
Ion Ratio Lower Upper
112 100
64 59.4 47.9 71.9
63 57.5 23.7 35.5#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#6

Aniline

Concen: 7.259 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

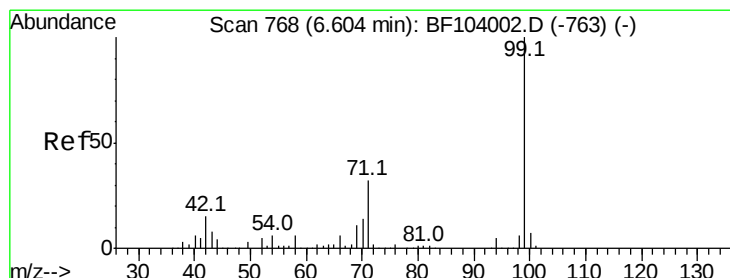
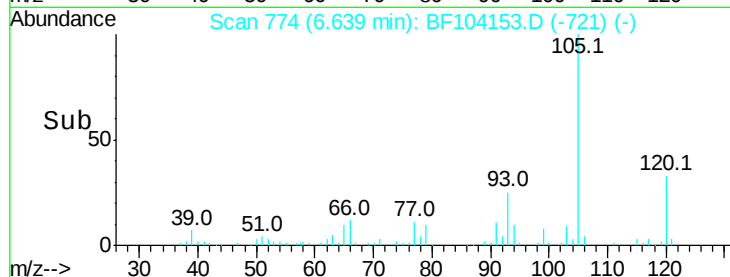
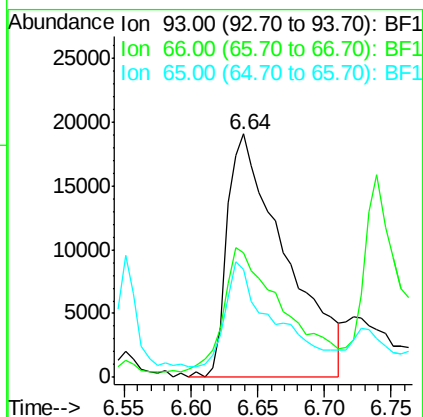
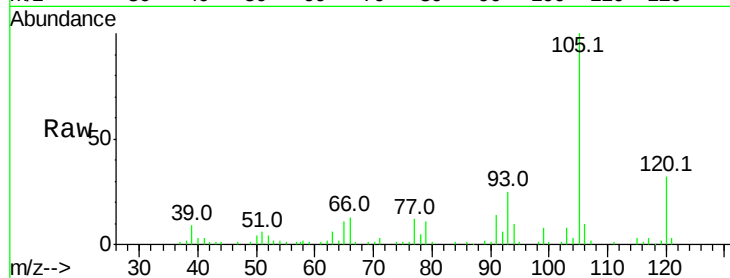
Tot Ion: 93 Resp: 57830

Ion Ratio Lower Upper

93 100

66 51.3 32.2 48.2#

65 44.6 16.4 24.6#



#7

Phenol-d6

Concen: 6.423 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.02 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

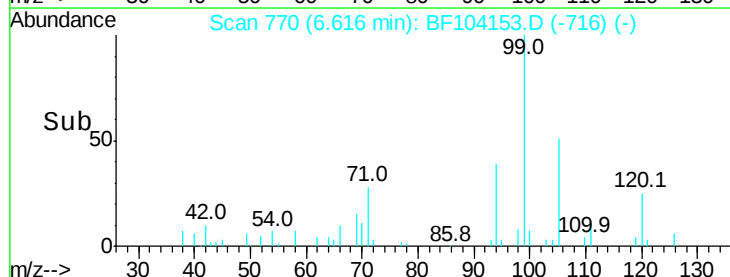
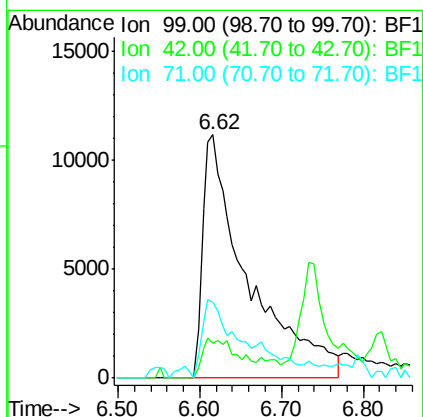
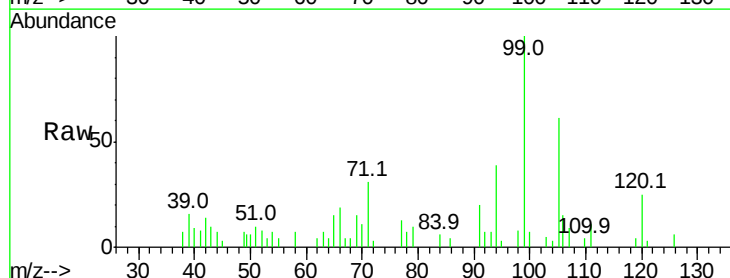
Tgt Ion: 99 Resp: 42744

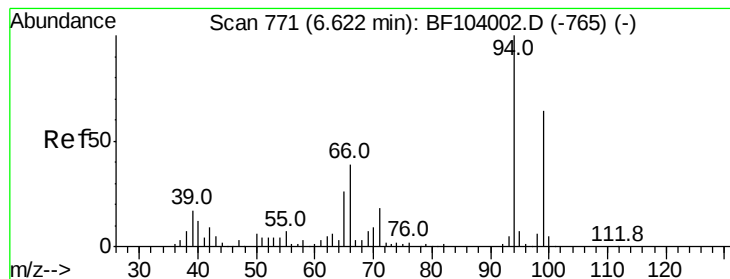
Ion Ratio Lower Upper

99 100

42 14.5 14.5 21.7

71 31.2 25.4 38.0





#10

Phenol

Concen: 3.830 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.03 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampled :

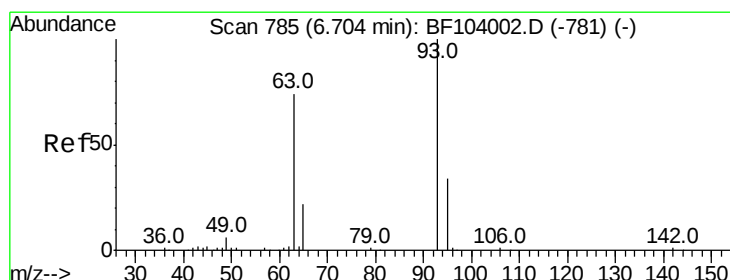
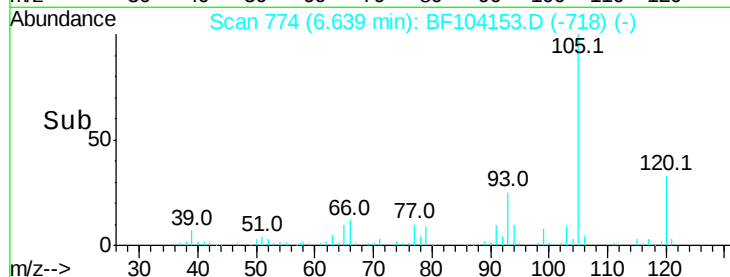
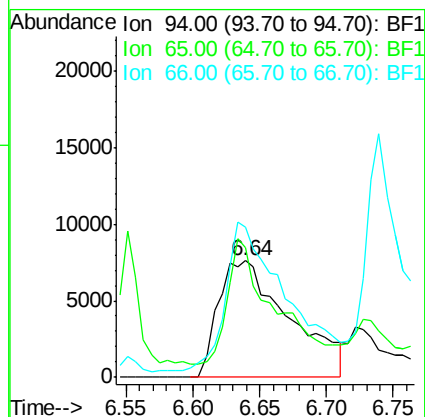
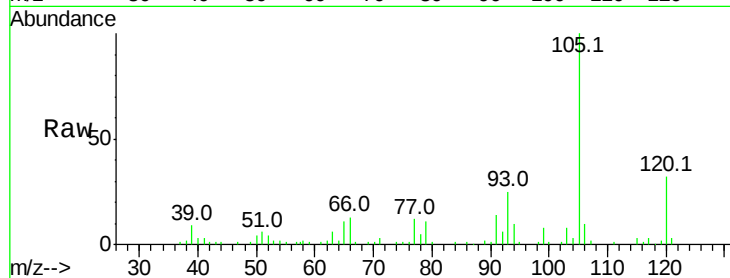
Tot Ion: 94 Resp: 28244

Ion Ratio Lower Upper

94 100

65 111.9 7.9 47.9#

66 128.7 16.2 56.2#



#11

bis(2-Chloroethyl)ether

Concen: 9.102 ng

RT: 6.64 min Scan# 774

Delta R.T. -0.05 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

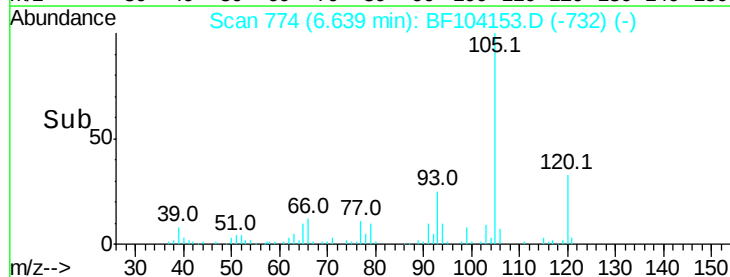
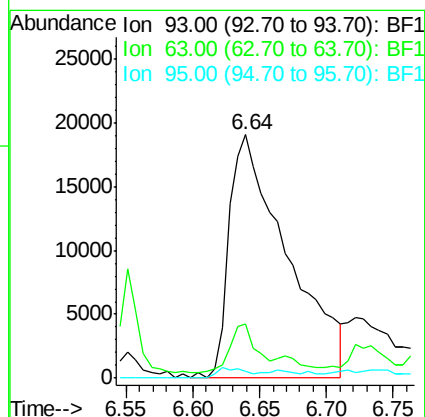
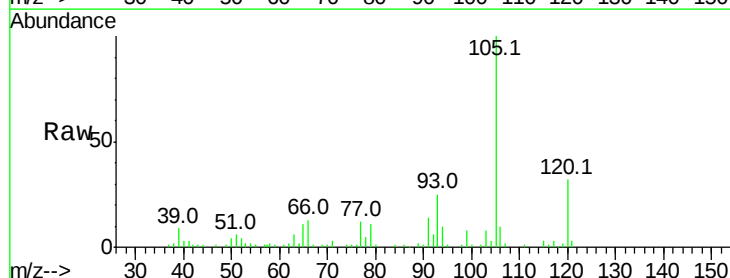
Tgt Ion: 93 Resp: 57830

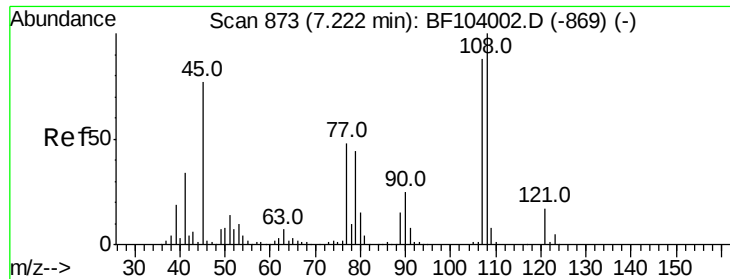
Ion Ratio Lower Upper

93 100

63 22.1 58.6 98.6#

95 2.8 11.8 51.8#

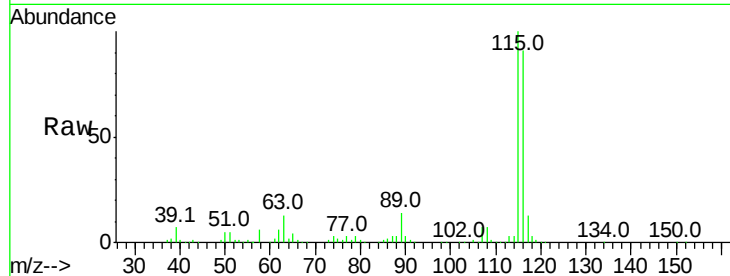




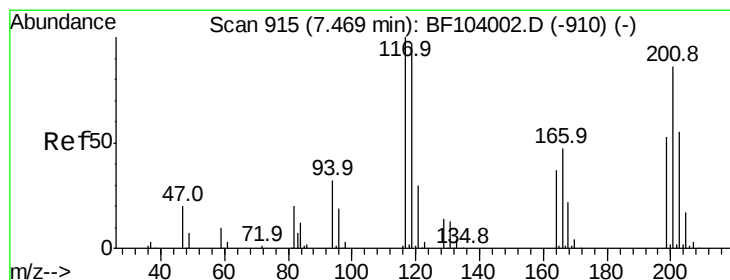
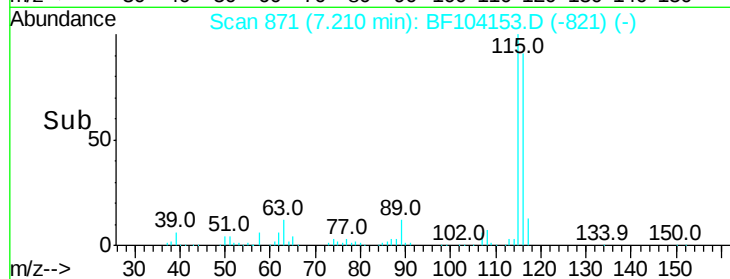
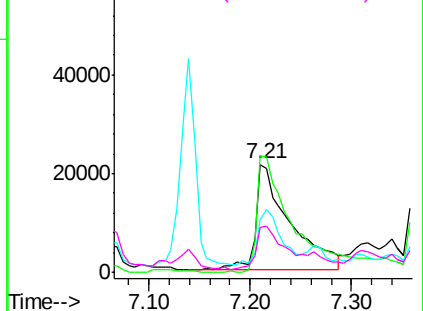
#17
2-Methylphenol
Concen: 10.512 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:107 Resp: 50765
Ion Ratio Lower Upper
107 100
108 108.0 91.7 137.5
77 48.2 33.8 50.8
79 41.8 33.8 50.8

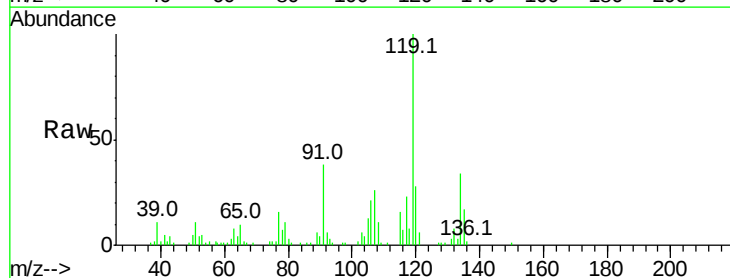


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

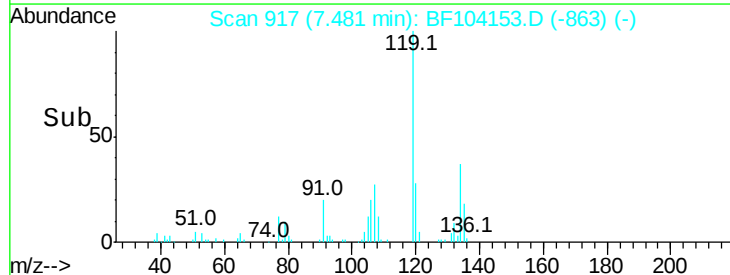
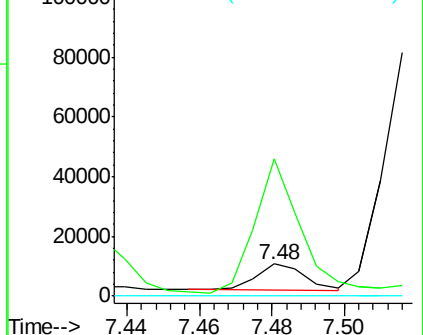


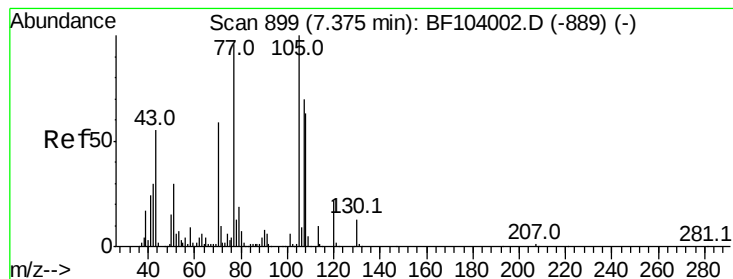
#18
Hexachloroethane
Concen: 3.378 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.02 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion:117 Resp: 8083
Ion Ratio Lower Upper
117 100
119 428.8 75.8 113.8#
201 0.0 75.7 113.5#



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





#19

n-Nitroso-di-n-propylamine

Concen: 3.247 ng

RT: 7.53 min Scan# 925

Delta R.T. 0.16 min

Lab File: BF104153.D

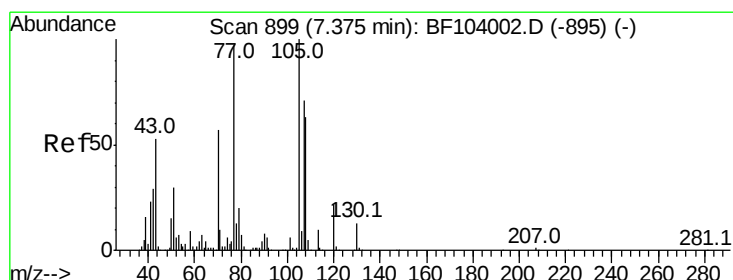
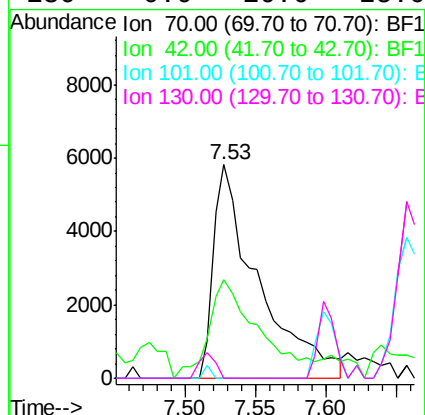
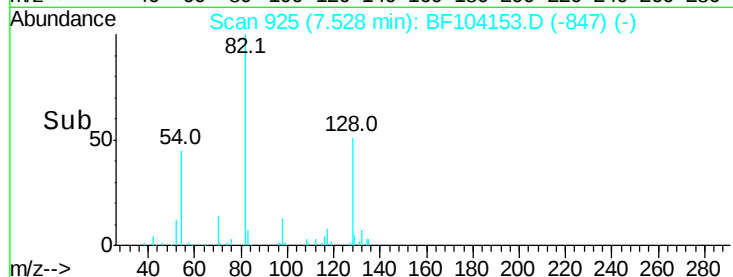
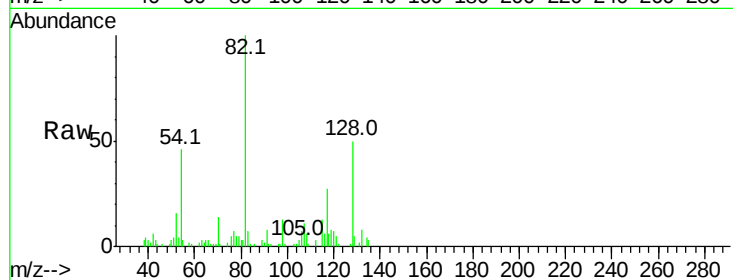
Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	70	Resp:	12822
Ion	Ratio	Lower	Upper
70	100		
42	46.0	47.5	71.3#
101	0.0	7.4	11.2#
130	0.0	16.6	25.0#



#20

3+4-Methylphenols

Concen: 27.102 ng

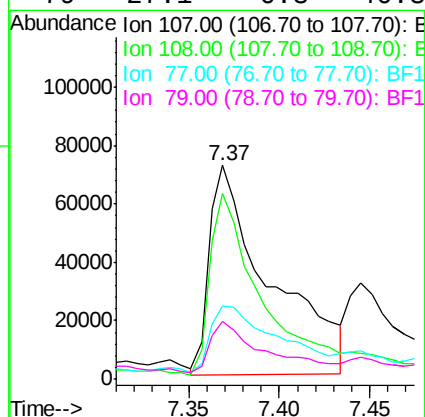
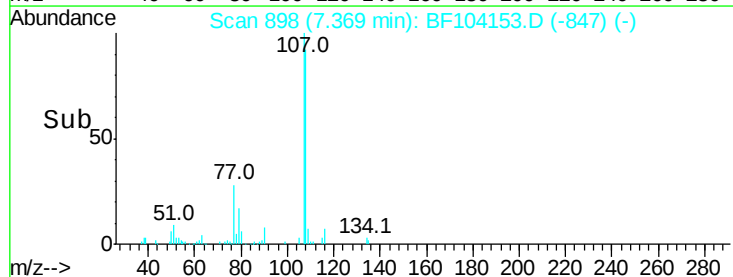
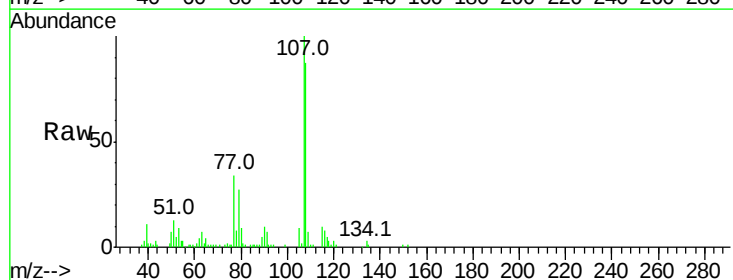
RT: 7.37 min Scan# 898

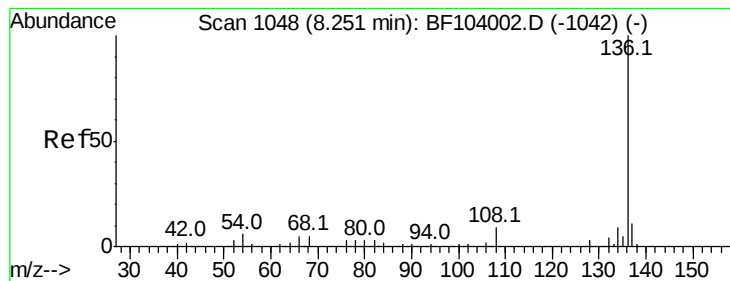
Delta R.T. -0.00 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Tgt Ion:	107	Resp:	167035
Ion	Ratio	Lower	Upper
107	100		
108	87.0	68.2	108.2
77	34.4	26.7	66.7
79	27.1	6.3	46.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 276384

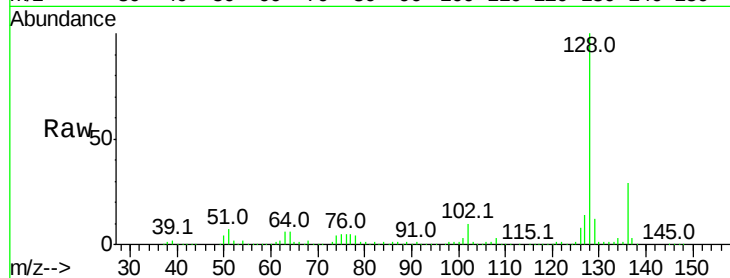
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 7.2 6.6 9.8

68 5.6 5.0 7.4

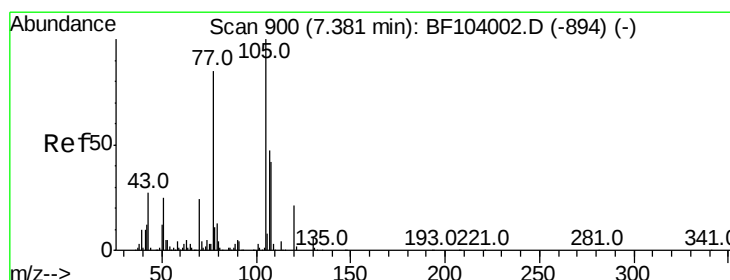
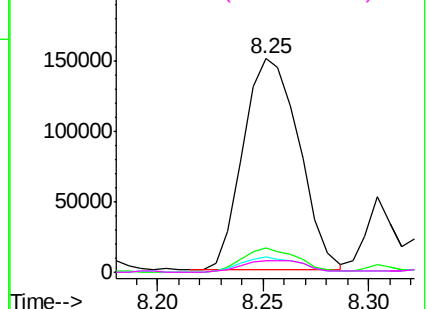
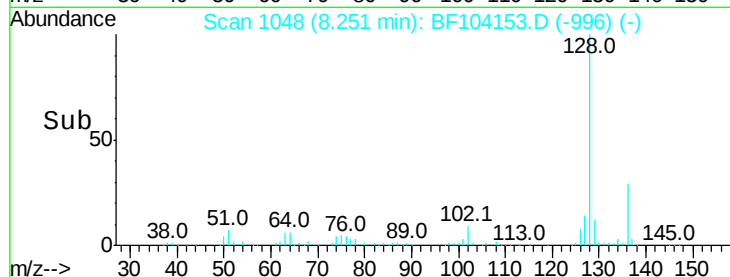


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 4.001 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Tgt Ion:105 Resp: 26758

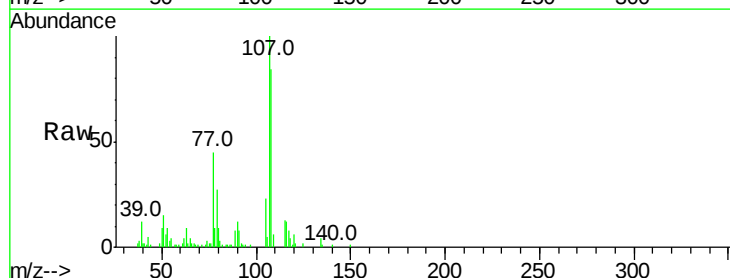
Ion Ratio Lower Upper

105 100

71 3.0 4.4 6.6#

51 63.7 22.3 33.5#

120 25.9 16.9 25.3#

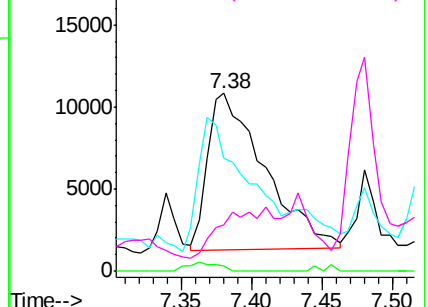
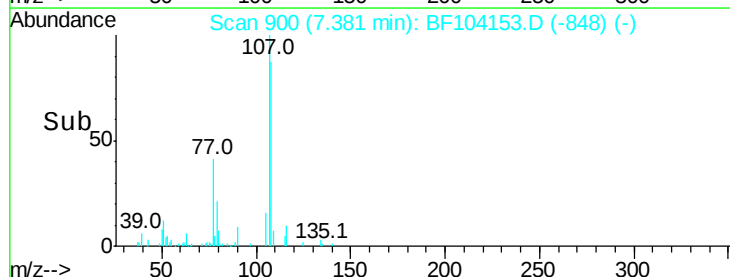


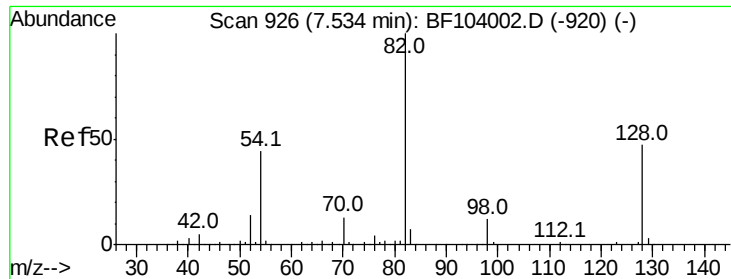
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

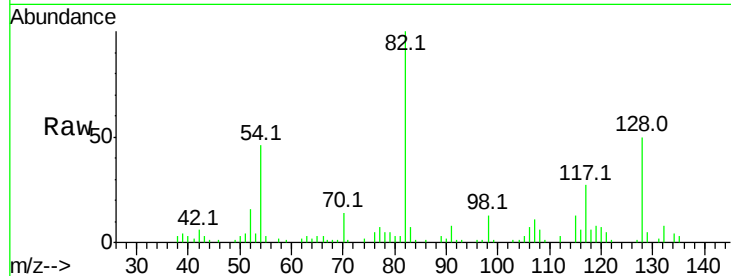




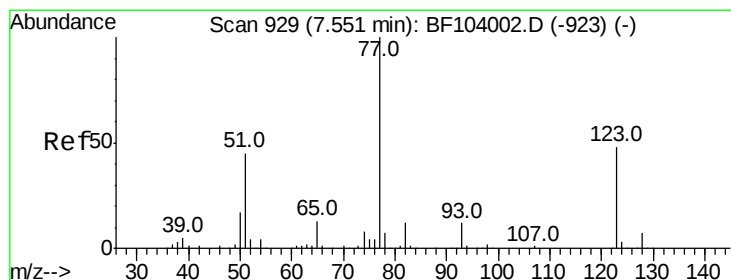
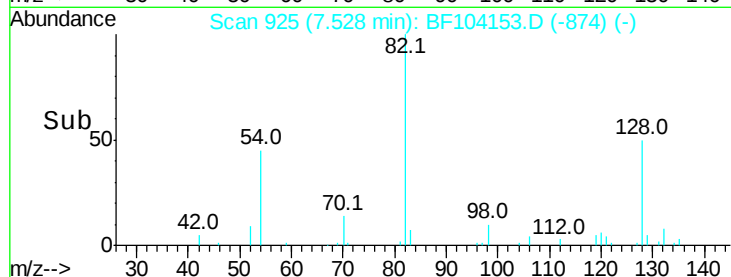
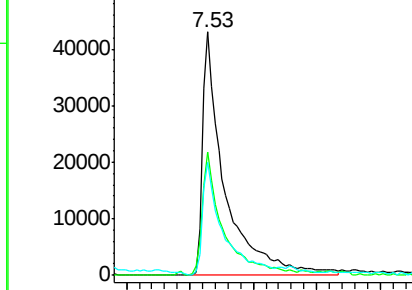
#23
 Nitrobenzene-d5
 Concen: 23.132 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 104542
 Ion Ratio Lower Upper
 82 100
 128 50.5 36.1 54.1
 54 46.3 41.4 62.2

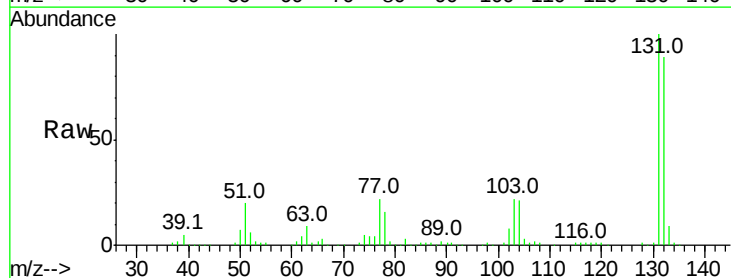


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

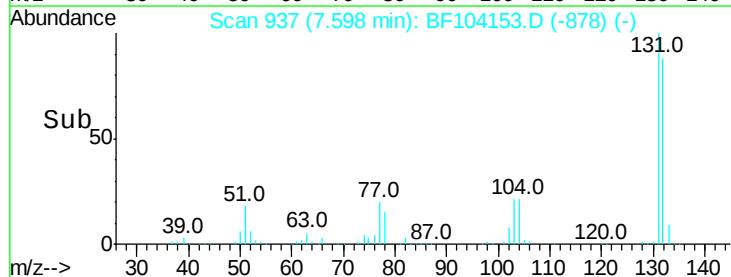
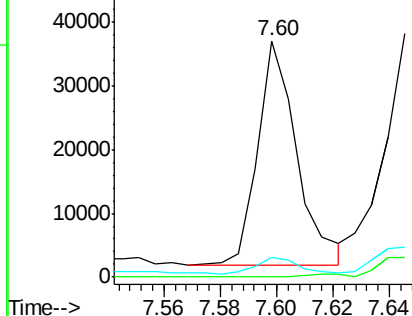


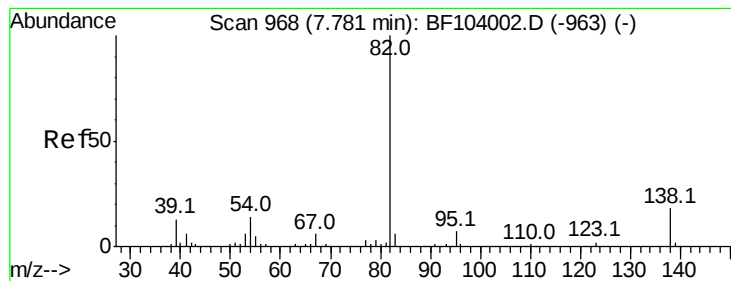
#24
 Nitrobenzene
 Concen: 7.117 ng
 RT: 7.60 min Scan# 937
 Delta R.T. 0.05 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Tgt Ion: 77 Resp: 33843
 Ion Ratio Lower Upper
 77 100
 123 0.0 37.9 56.9#
 65 8.1 11.0 16.4#



Abundance Ion 77.00 (76.70 to 77.70): BF1
 Ion 123.00 (122.70 to 123.70): BF1
 Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 12.552 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.25 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampled :

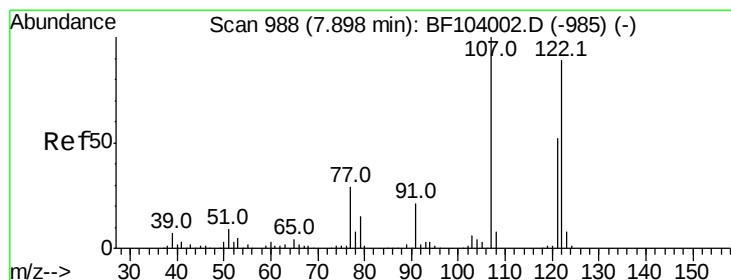
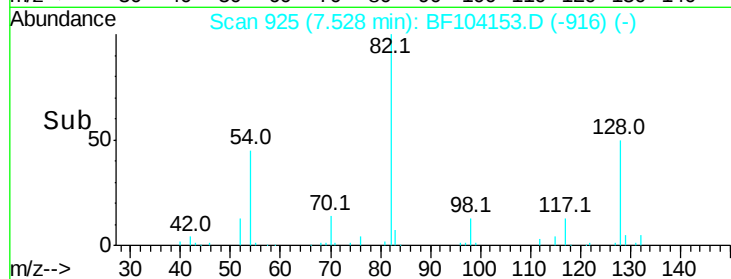
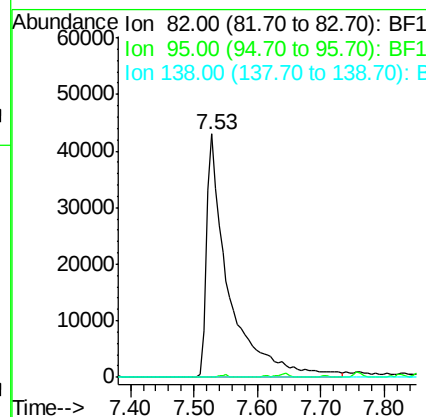
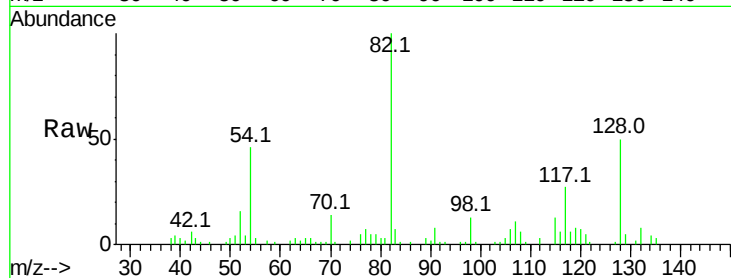
Tot Ion: 82 Resp: 104542

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#27

2,4-Dimethylphenol

Concen: 95.864 ng

RT: 7.90 min Scan# 988

Delta R.T. 0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

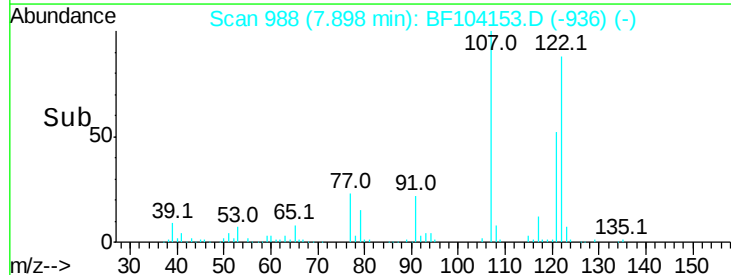
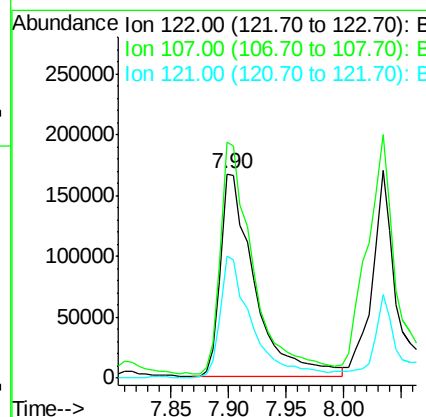
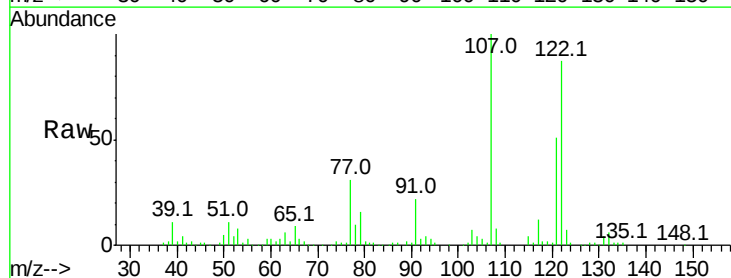
Tgt Ion:122 Resp: 343170

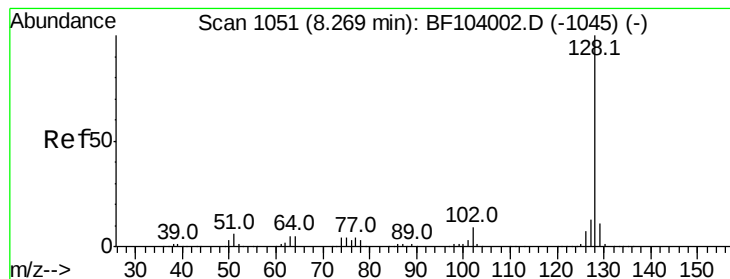
Ion Ratio Lower Upper

122 100

107 115.5 91.2 136.8

121 59.4 47.2 70.8





#31

Naphthalene

Concen: 604.843 ng

RT: 8.29 min Scan# 1055

Delta R.T. 0.03 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

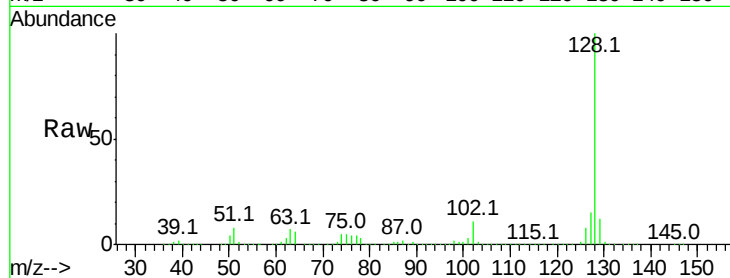
Tot Ion:128 Resp: 8166773

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

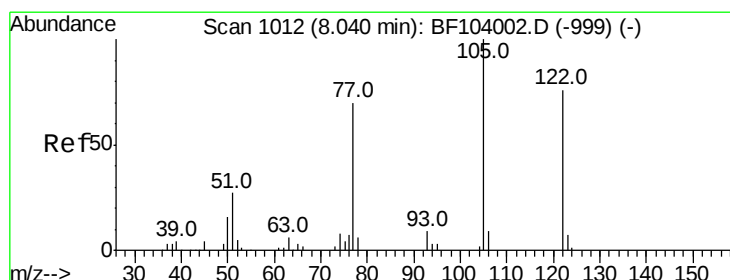
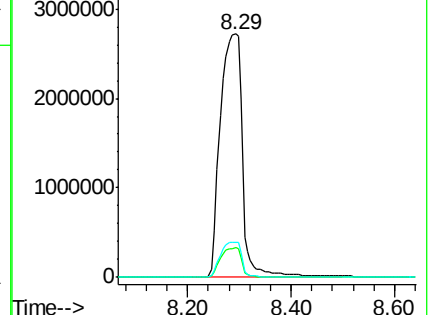
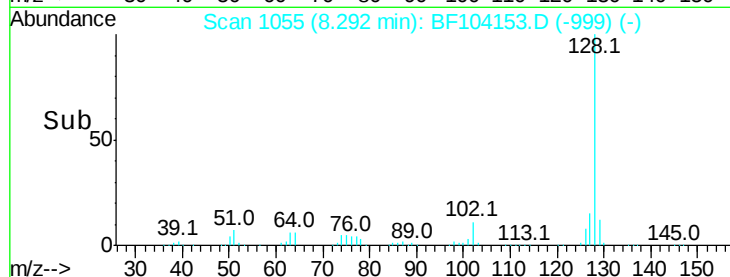
127 14.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 90.079 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

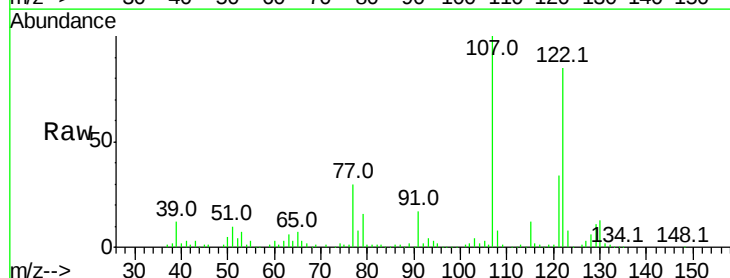
Tgt Ion:122 Resp: 236223

Ion Ratio Lower Upper

122 100

105 3.7 101.1 141.1#

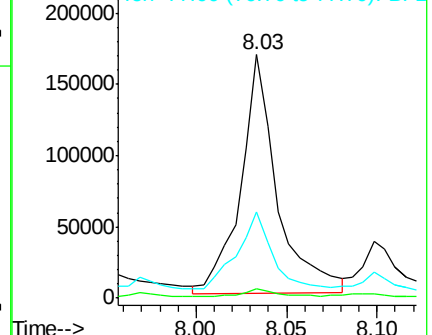
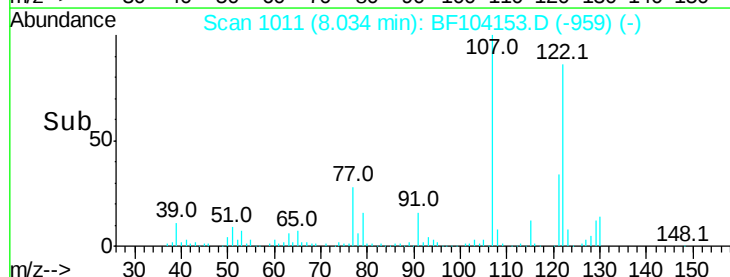
77 35.5 70.7 110.7#

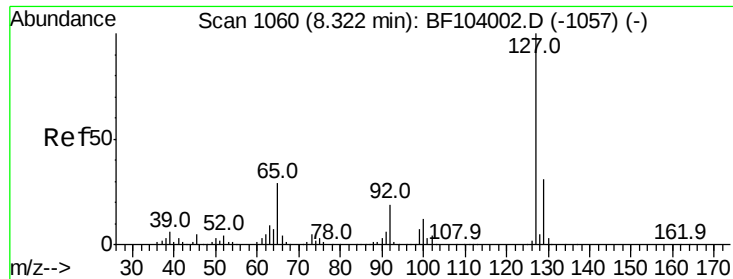


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

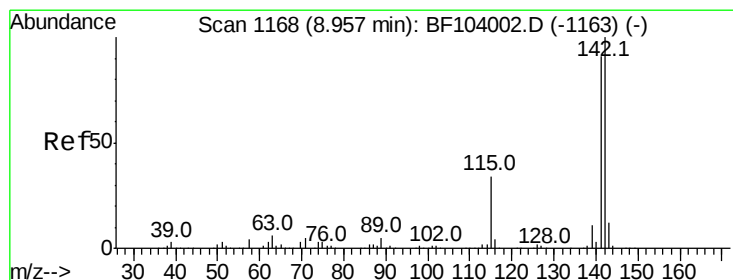
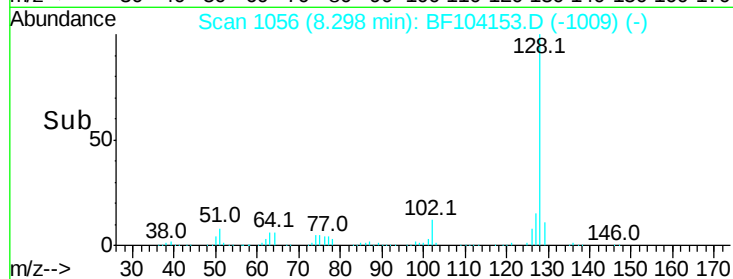
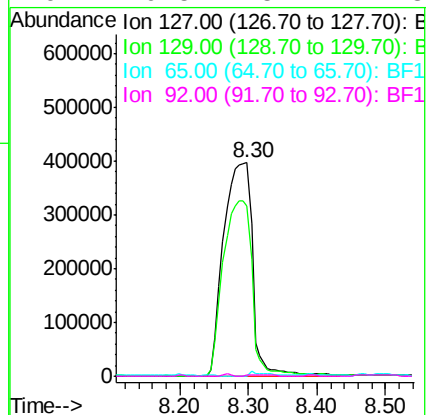
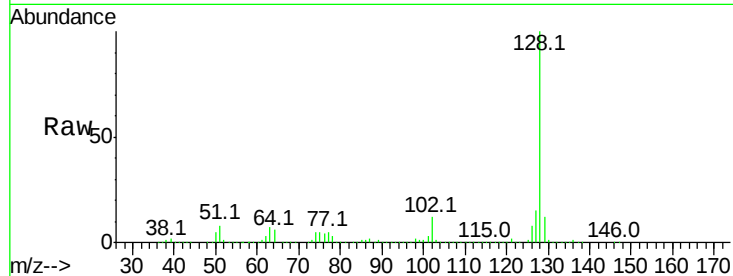




#33
4-Chloroaniline
Concen: 203.573 ng
RT: 8.30 min Scan# 1056
Delta R.T. -0.02 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

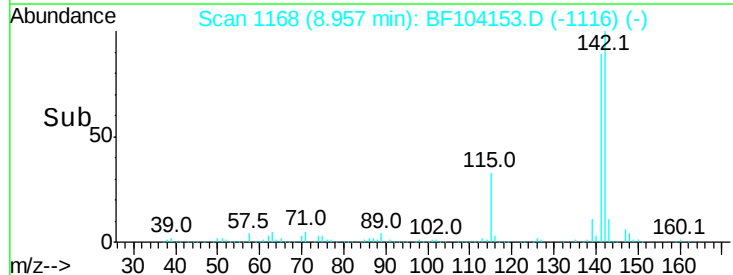
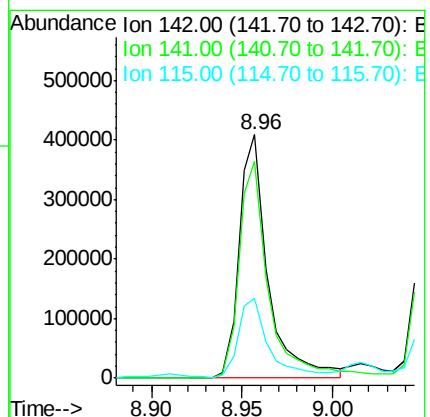
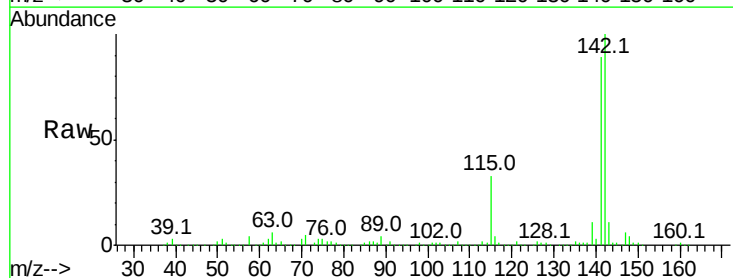
Instrument :
BNA_F
ClientSampleId :

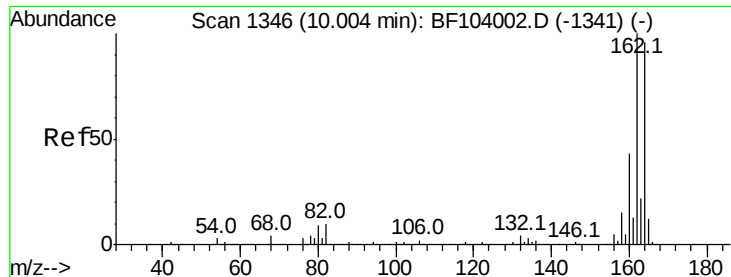
Tot Ion:127 Resp: 1158826
Ion Ratio Lower Upper
127 100
129 79.8 25.9 38.9#
65 0.0 25.0 37.4#
92 0.5 15.2 22.8#



#37
2-Methylnaphthalene
Concen: 50.786 ng
RT: 8.96 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion:142 Resp: 451693
Ion Ratio Lower Upper
142 100
141 89.3 70.8 106.2
115 33.0 26.1 39.1

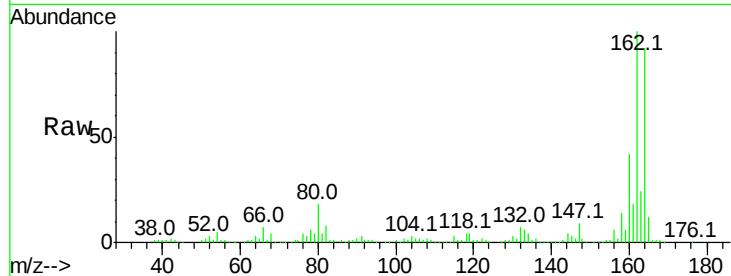




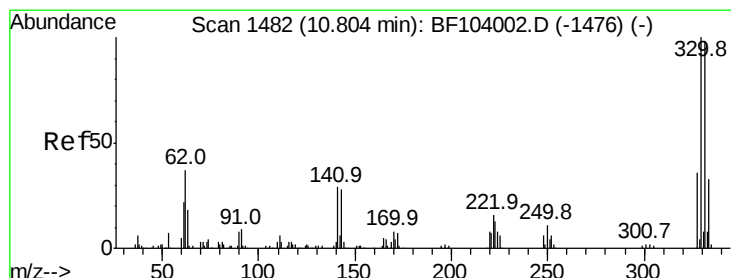
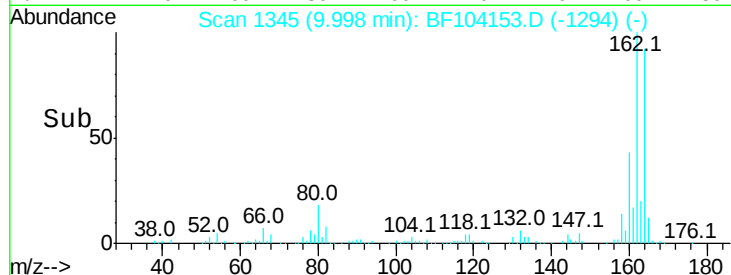
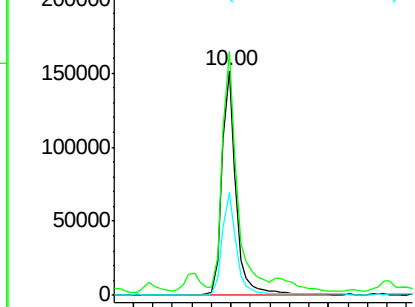
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 153283
Ion Ratio Lower Upper
164 100
162 108.4 86.1 129.1
160 45.6 38.3 57.5

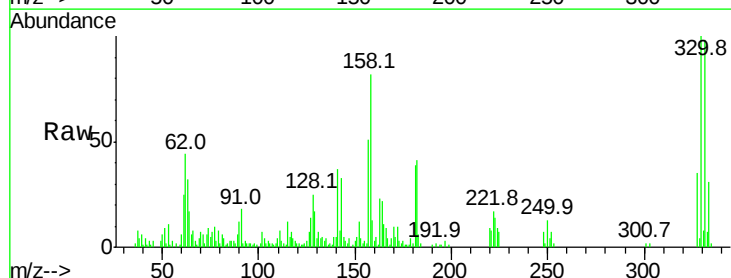


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

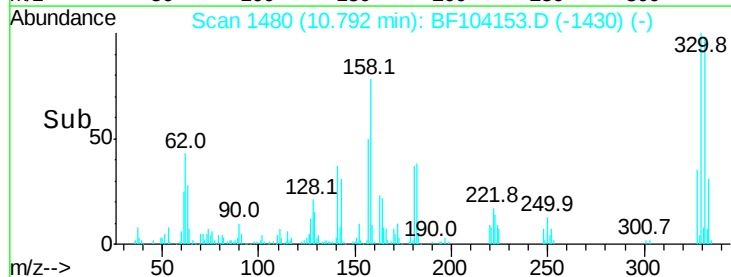
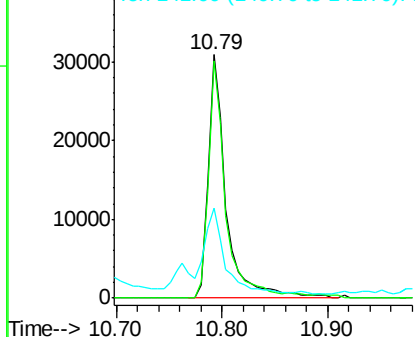


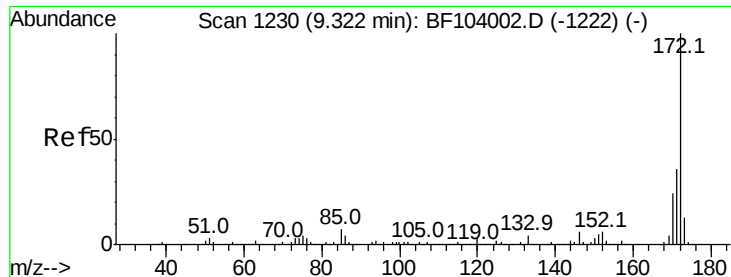
#41
2,4,6-Tribromophenol
Concen: 21.455 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion:330 Resp: 36620
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 39.6 29.9 44.9



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

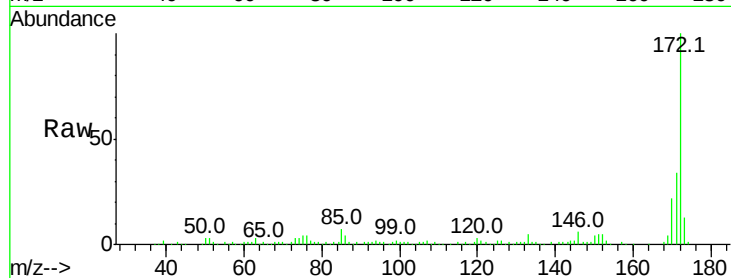




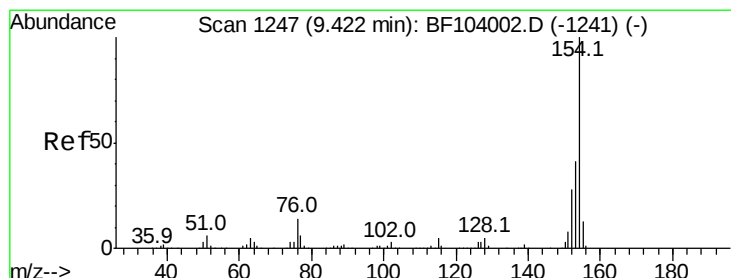
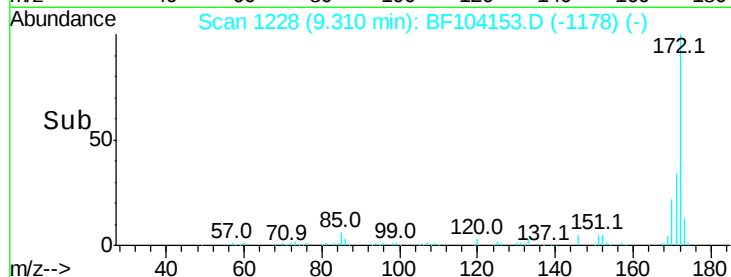
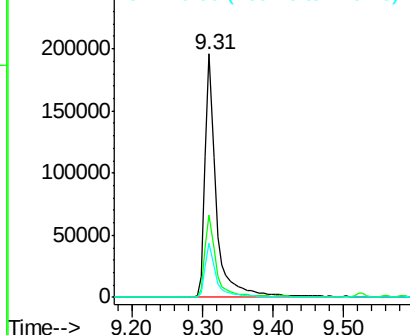
#44
 2-Fluorobiphenyl
 Concen: 22.486 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 218577
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.7 44.5
 170 22.2 19.6 29.4

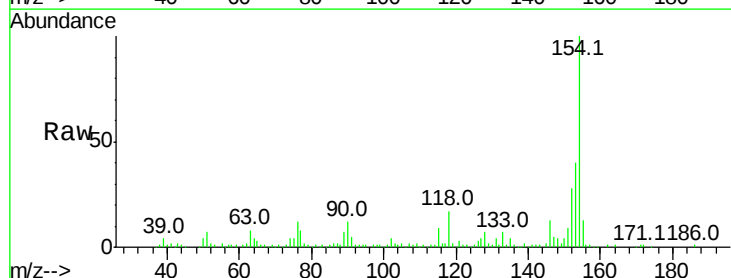


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

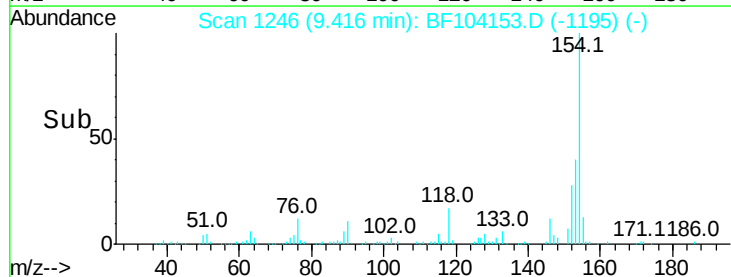
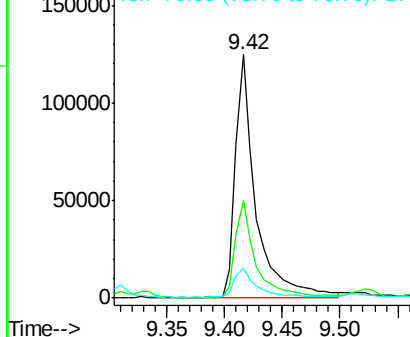


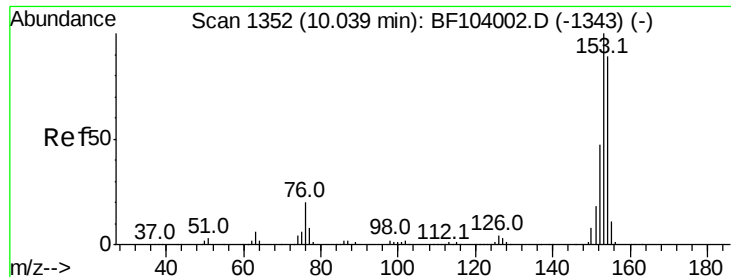
#45
 1,1'-Biphenyl
 Concen: 11.686 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Tgt Ion:154 Resp: 153742
 Ion Ratio Lower Upper
 154 100
 153 40.4 21.3 61.3
 76 12.3 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#51

Acenaphthene

Concen: 28.602 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.00 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

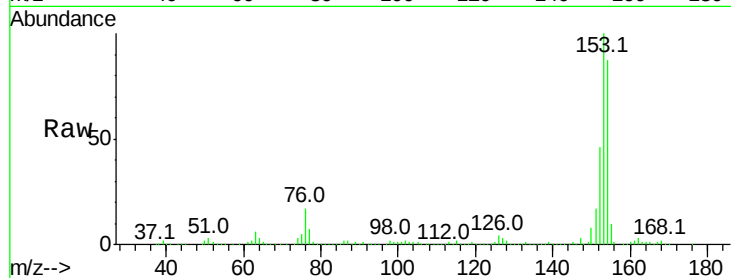
Tot Ion:154 Resp: 260126

Ion Ratio Lower Upper

154 100

153 115.1 91.2 136.8

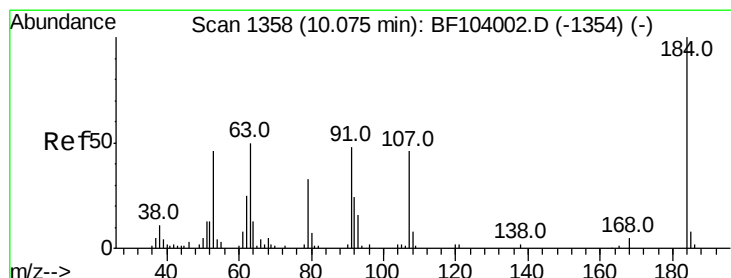
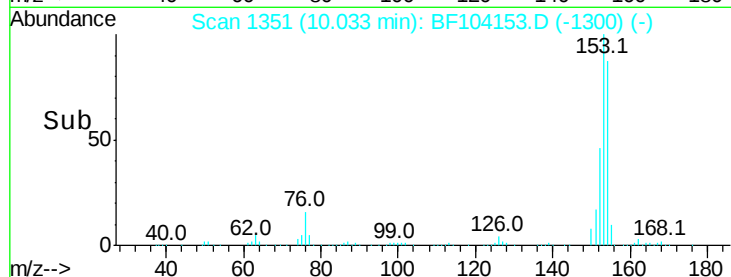
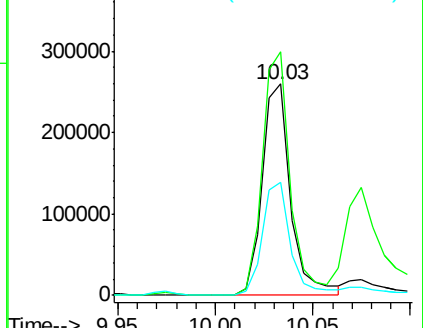
152 53.4 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 6.415 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.06 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

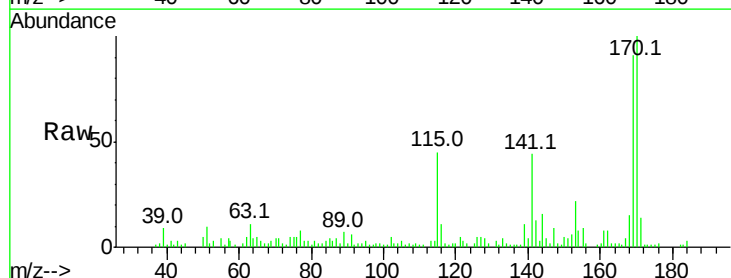
Tgt Ion:184 Resp: 1029

Ion Ratio Lower Upper

184 100

63 363.9 54.2 81.2#

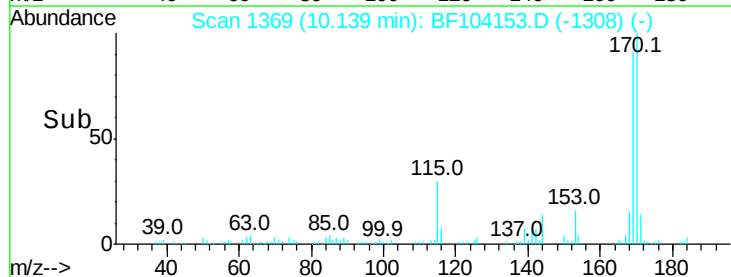
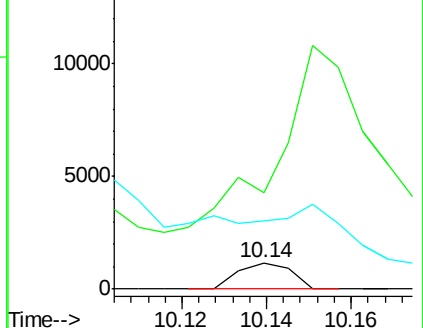
154 259.3 184.0 276.0

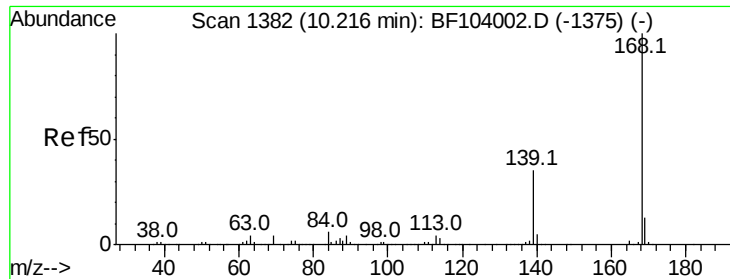


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 22.389 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

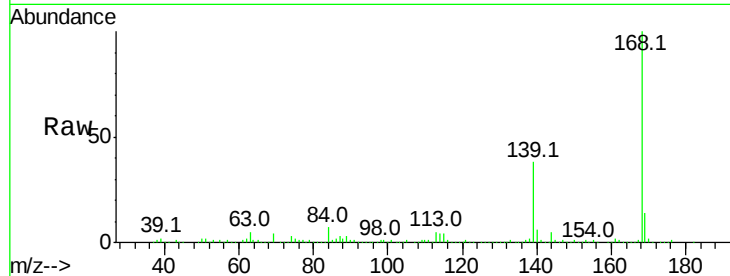
Tot Ion:168 Resp: 297358

Ion Ratio Lower Upper

168 100

139 38.2 30.1 45.1

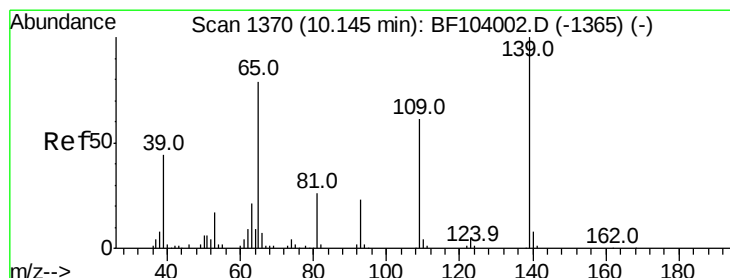
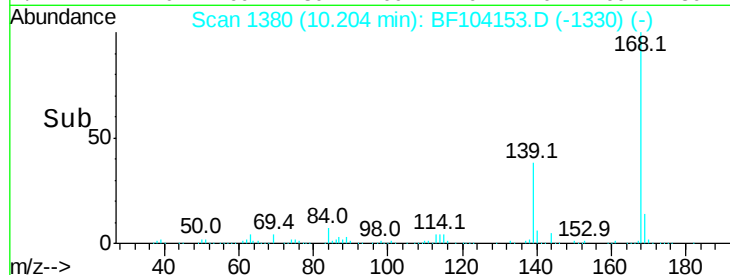
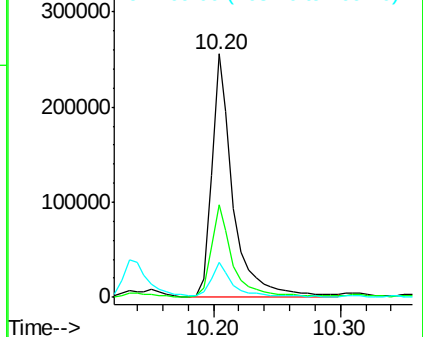
169 14.5 10.9 16.3



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



#55

4-Nitrophenol

Concen: 3.193 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

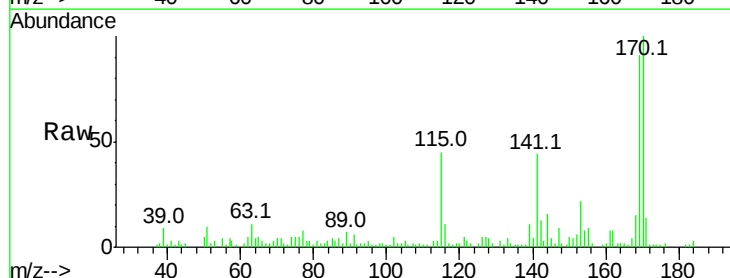
Tgt Ion:139 Resp: 5731

Ion Ratio Lower Upper

139 100

109 14.9 48.4 88.4#

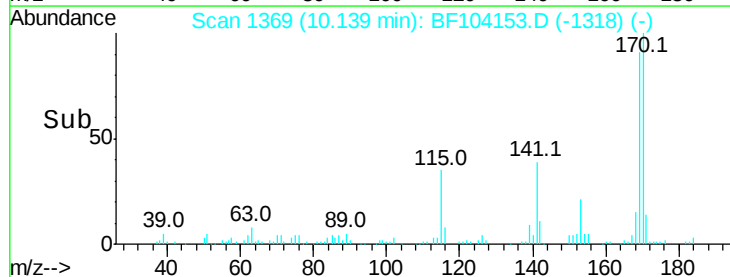
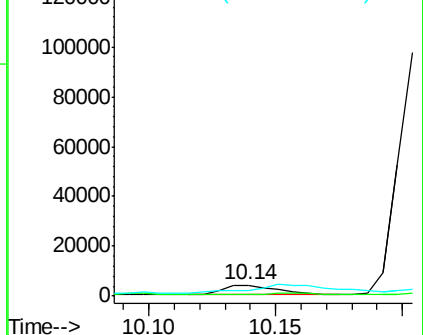
65 45.7 72.6 112.6#

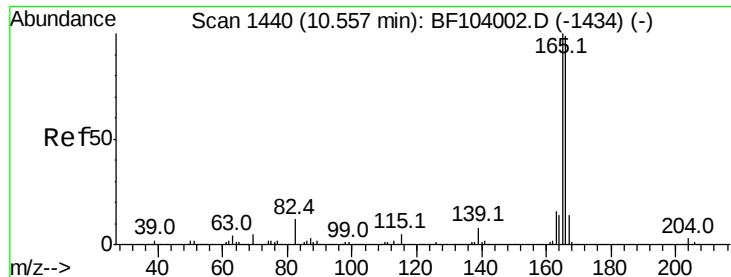


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

Fluorene

Concen: 16.244 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

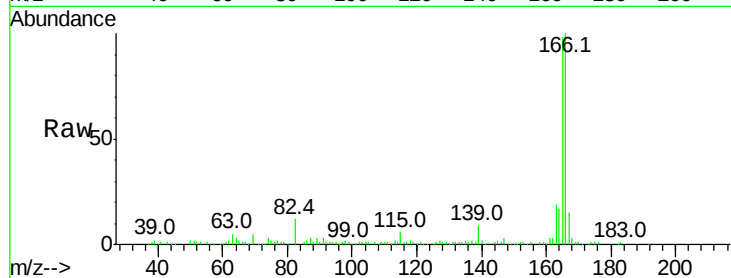
Tot Ion:166 Resp: 177957

Ion Ratio Lower Upper

166 100

165 98.2 79.8 119.8

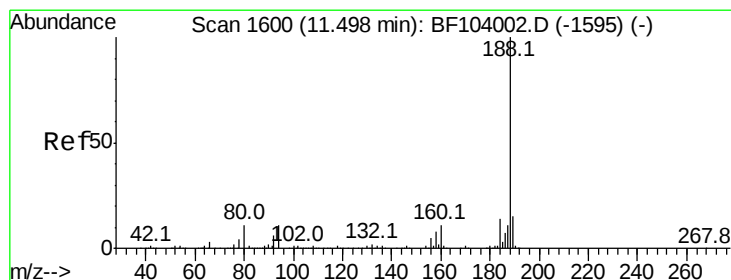
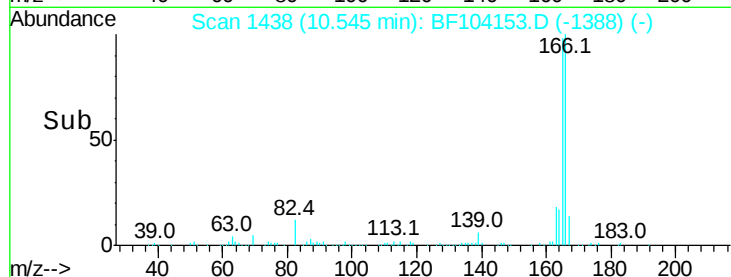
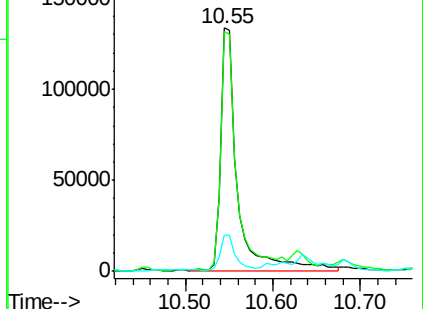
167 14.9 10.6 16.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

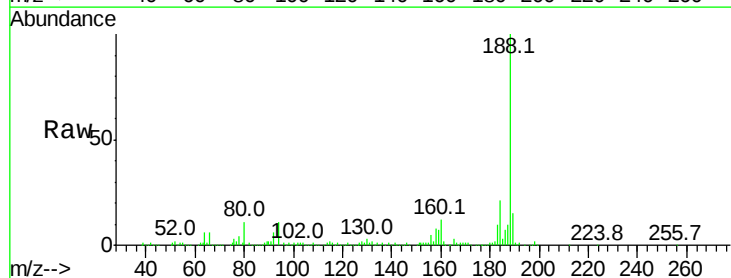
Tgt Ion:188 Resp: 225019

Ion Ratio Lower Upper

188 100

94 10.6 8.5 12.7

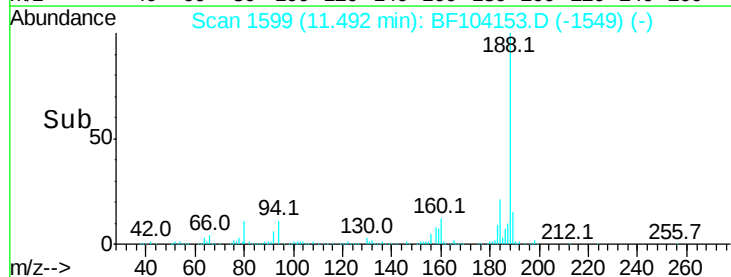
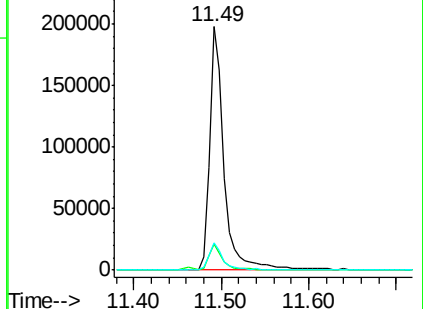
80 11.4 9.2 13.8

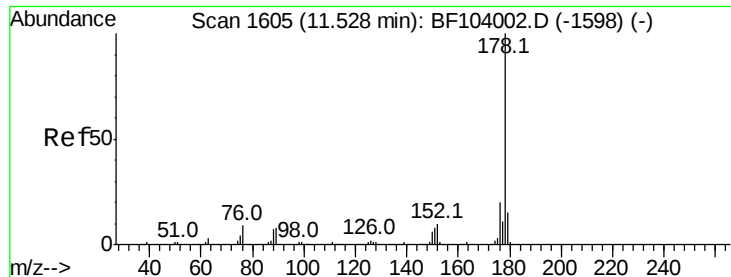


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

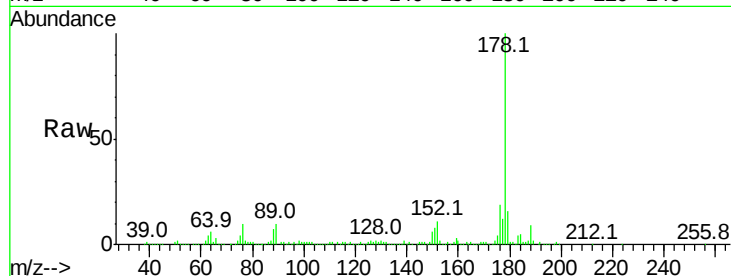




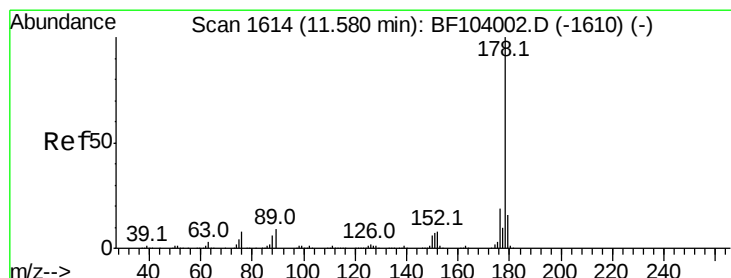
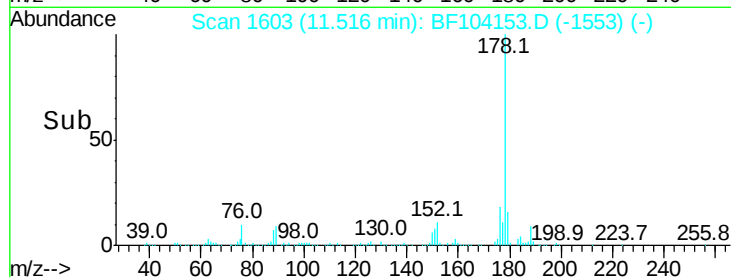
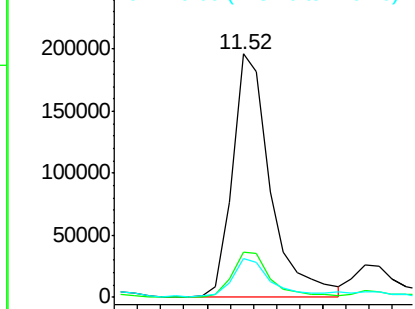
#70
Phenanthrene
Concen: 18.374 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 223849
Ion Ratio Lower Upper
178 100
176 18.5 15.8 23.8
179 15.7 13.0 19.6

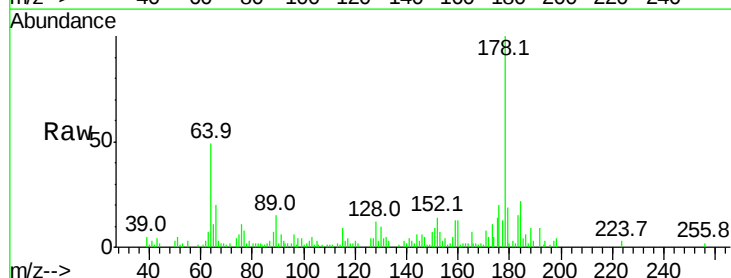


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

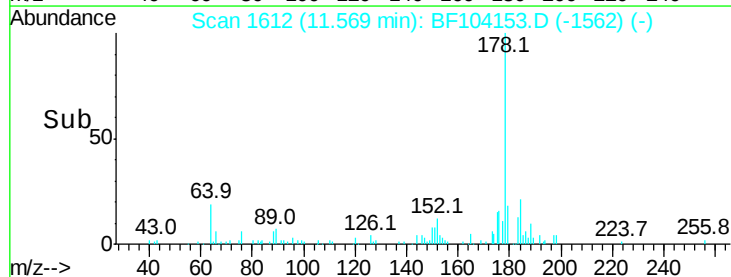
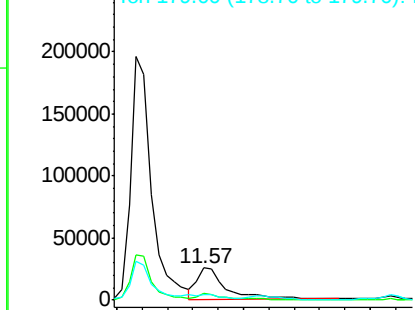


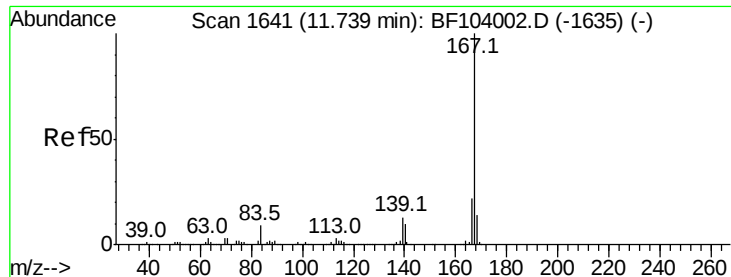
#71
Anthracene
Concen: 3.051 ng
RT: 11.57 min Scan# 1612
Delta R.T. -0.01 min
Lab File: BF104153.D
Acq: 3 Apr 2018 1:46

Tgt Ion:178 Resp: 38826
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 18.9 12.6 19.0



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





#72

Carbazole

Concen: 12.581 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

Instrument :

BNA_F

ClientSampleId :

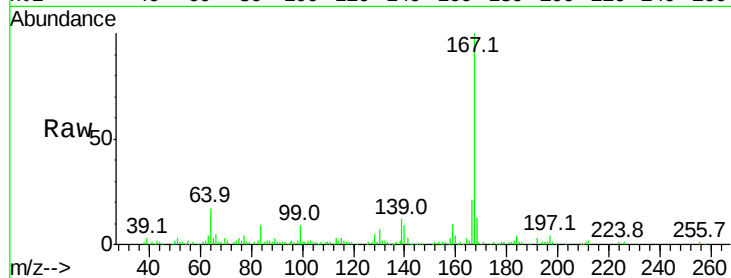
Tot Ion:167 Resp: 152800

Ion Ratio Lower Upper

167 100

166 21.2 17.6 26.4

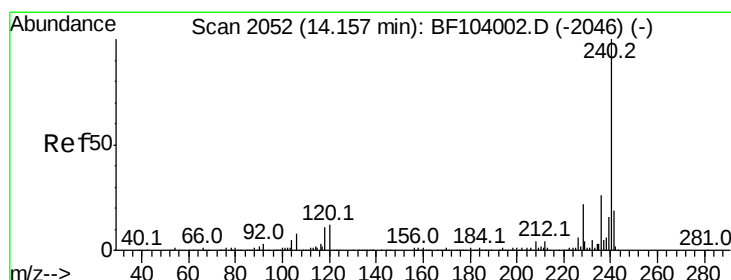
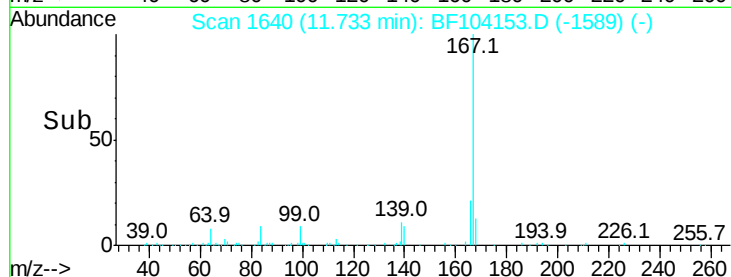
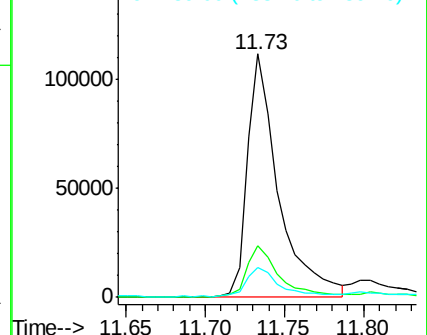
139 12.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF104153.D

Acq: 3 Apr 2018 1:46

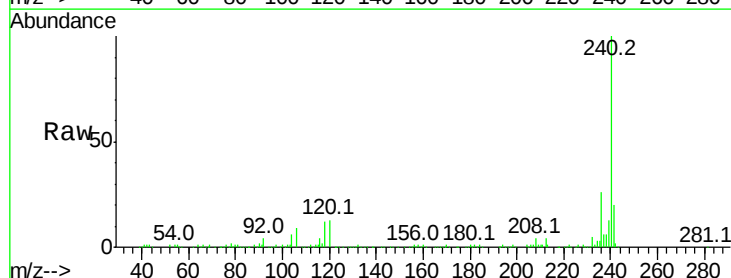
Tgt Ion:240 Resp: 211886

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

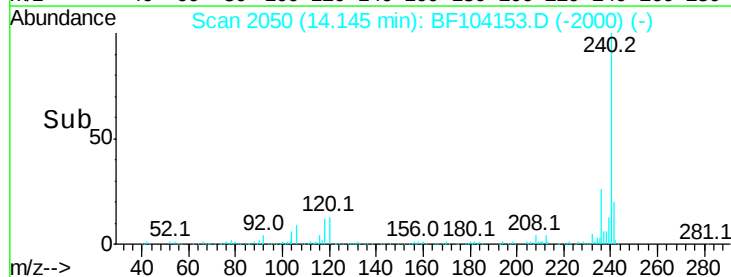
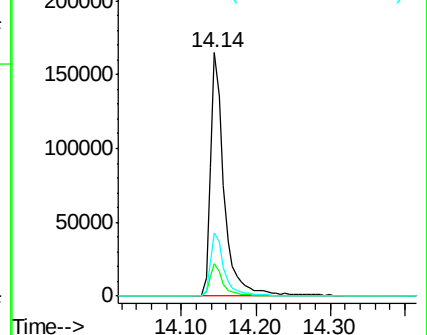
236 25.8 20.7 31.1

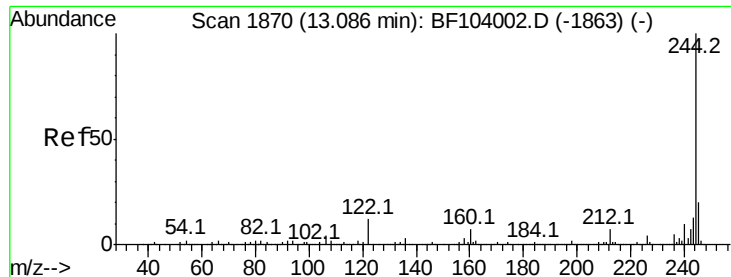


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

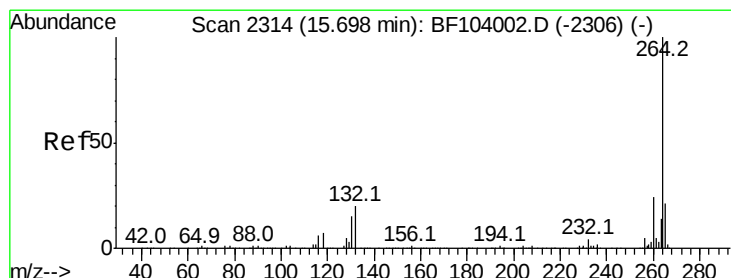
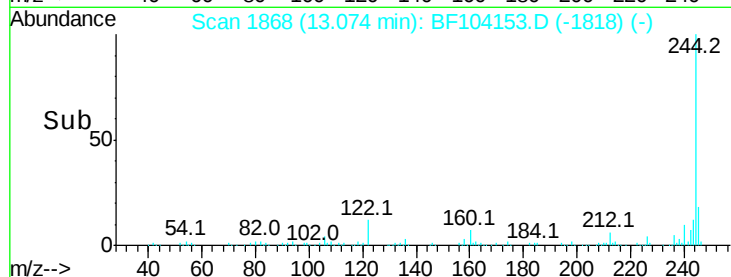
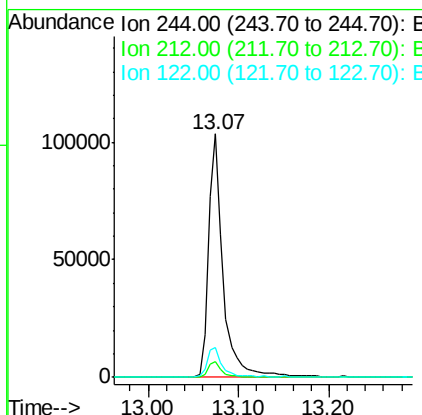
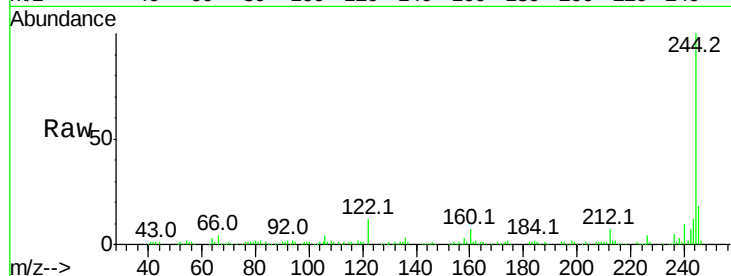




#78
 Terphenyl-d14
 Concen: 12.840 ng
 RT: 13.07 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 117832
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. -0.01 min
 Lab File: BF104153.D
 Acq: 3 Apr 2018 1:46

Tgt Ion:264 Resp: 203227
 Ion Ratio Lower Upper
 264 100
 260 22.6 19.2 28.8
 265 21.9 17.5 26.3

