

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104171.D
 Acq On : 3 Apr 2018 9:39
 Operator : JU/SJ
 Sample : J2176-05 10X
 Misc :
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 12:15:13 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	83505	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	259427	20.00	ng	0.01
38) Acenaphthene-d10	10.00	164	152001	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	210249	20.00	ng	0.01
75) Chrysene-d12	14.17	240	158583	20.00	ng	0.02
86) Perylene-d12	15.70	264	135090	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	18618	3.56	ng	0.01
7) Phenol-d6	6.60	99	57544	8.93	ng	0.00
23) Nitrobenzene-d5	7.53	82	29639	6.99	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	11084	6.55	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	78639	8.16	ng	0.00
78) Terphenyl-d14	13.08	244	65948	9.60	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.50	77	658	Below Cal	#	1
10) Phenol	6.61	94	476256	66.722 ng		96
17) 2-Methylphenol	7.21	107	126013	26.955 ng		98
18) Hexachloroethane	7.38	117	15822	6.831 ng	#	2
20) 3+4-Methylphenols	7.37	107	451524	75.678 ng		88
25) Isophorone	7.53	82	29639	3.791 ng	#	64
27) 2,4-Dimethylphenol	7.90	122	105574	31.420 ng		95
31) Naphthalene	8.29	128	8835208	697.118 ng		97
32) Benzoic acid	8.04	122	89438	36.334 ng	#	14
33) 4-Chloroaniline	8.29	127	1259326	235.688 ng	#	35
35) Caprolactam	8.97	113	39513	35.506 ng	#	1
37) 2-Methylnaphthalene	8.97	142	1799190	215.514 ng		97
45) 1,1'-Biphenyl	9.42	154	592600	45.424 ng		99
48) Acenaphthylene	9.87	152	2511873	161.120 ng		98
51) Acenaphthene	10.03	154	177068	19.633 ng		94
52) 3-Nitroaniline	10.22	138	27441	9.246 ng	#	10
54) Dibenzofuran	10.22	168	1626891	123.529 ng		97
55) 4-Nitrophenol	10.22	139	635788	357.262 ng	#	10
56) 2,4-Dinitrotoluene	10.31	165	11947	3.626 ng	#	65
57) Fluorene	10.56	166	1695827	156.099 ng		99
61) 4-Nitroaniline	10.56	138	20286	7.305 ng	#	23
70) Phenanthrene	11.55	178	3779443	332.022 ng		99
71) Anthracene	11.59	178	2148055	180.660 ng		99
72) Carbazole	11.74	167	940033	82.835 ng		100
74) Fluoranthene	12.74	202	3087166	255.144 ng		99
77) Pyrene	12.97	202	2532120	222.118 ng		99
80) Benzo(a)anthracene	14.16	228	1380313	139.105 ng	#	86
82) Chrysene	14.20	228	1075135	110.623 ng		97
85) Indeno(1,2,3-cd)pyrene	17.30	276	349478	34.700 ng	#	87
87) Benzo(b)fluoranthene	15.25	252	1435306	174.581 ng		96
88) Benzo(k)fluoranthene	15.25	252	1435306	185.329 ng		99
89) Benzo(a)pyrene	15.65	252	771259	101.232 ng		98
90) Dibenzo(a,h)anthracene	17.49	278	85887	12.193 ng		95
91) Benzo(g,h,i)perylene	17.79	276	288903	40.947 ng		96

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ALS Vial : 46 Sample Multiplier: 1

Instrument :
BNA_F
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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

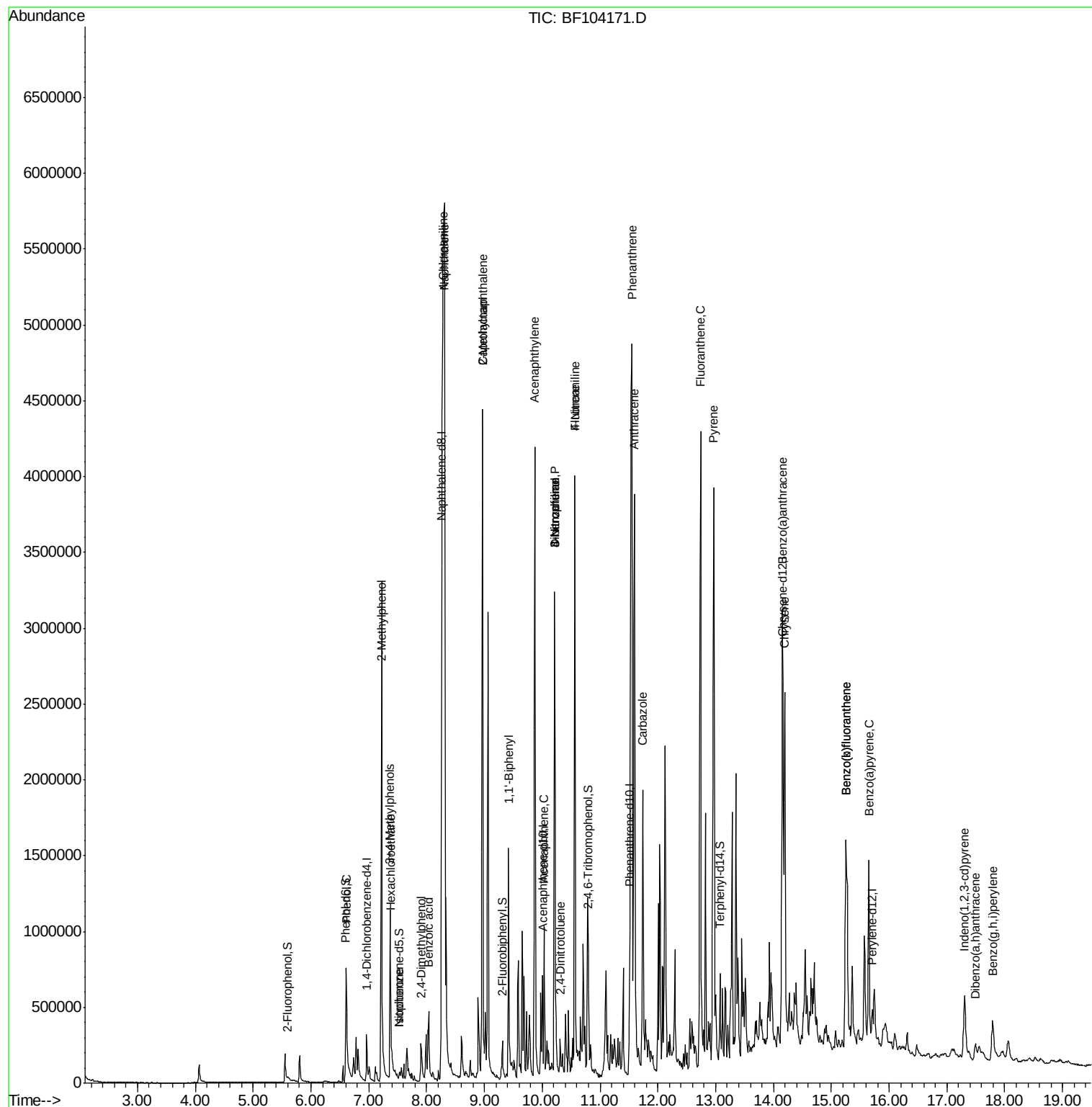
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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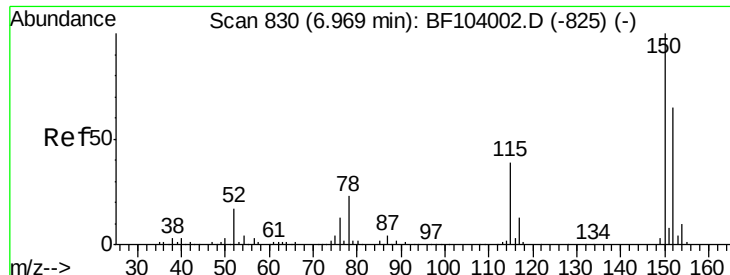
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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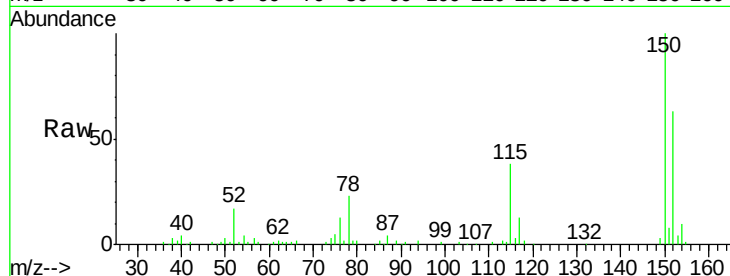


#1

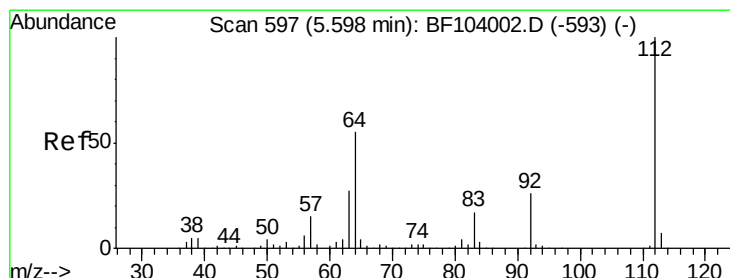
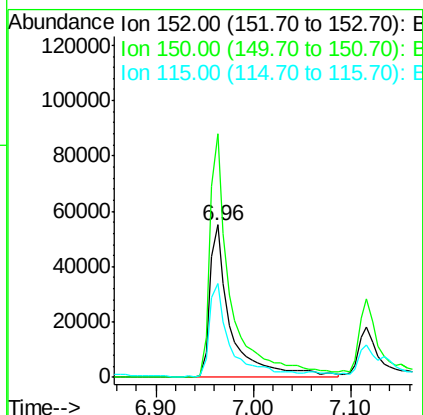
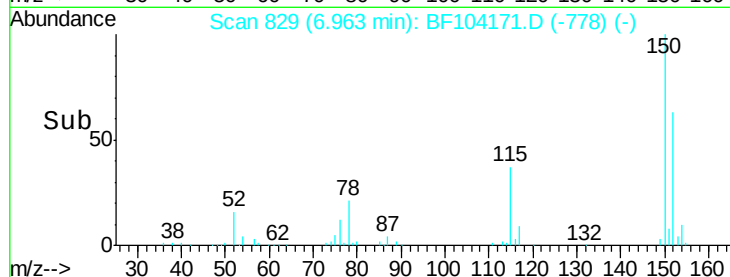
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. 0.00 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 83505
Ion Ratio Lower Upper
152 100
150 159.6 124.6 186.8
115 61.2 50.1 75.1



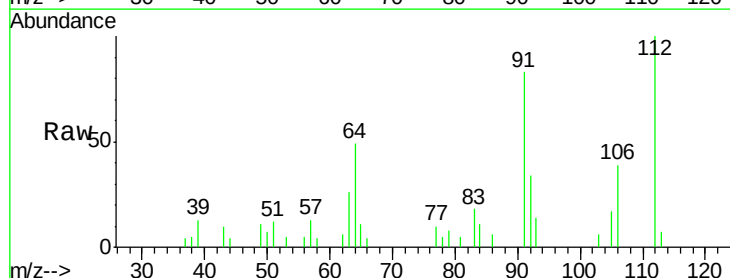
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



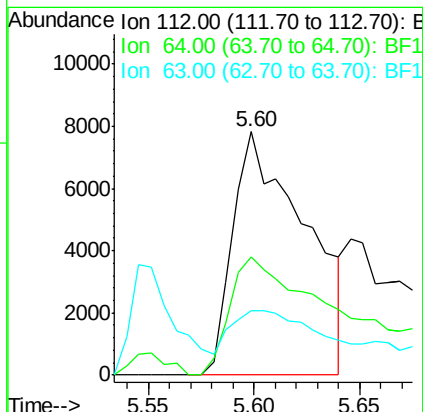
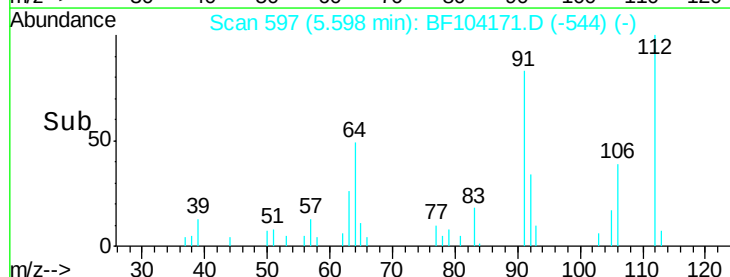
#5

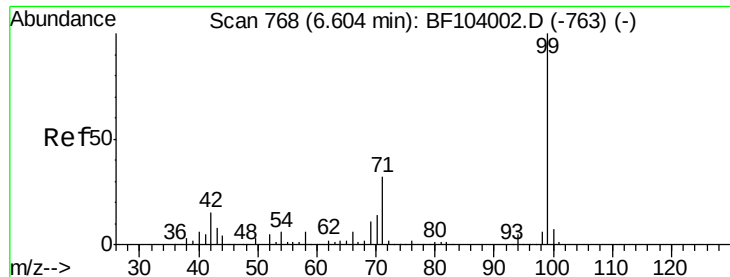
2-Fluorophenol
Concen: 3.556 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:112 Resp: 18618
Ion Ratio Lower Upper
112 100
64 48.6 47.9 71.9
63 26.4 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





#7

Phenol-d6

Concen: 8.932 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampleId :

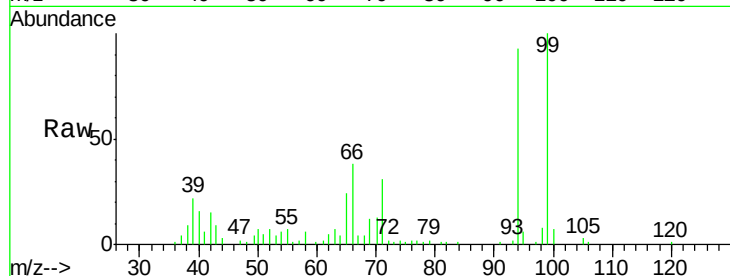
Tot Ion: 99 Resp: 57544

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

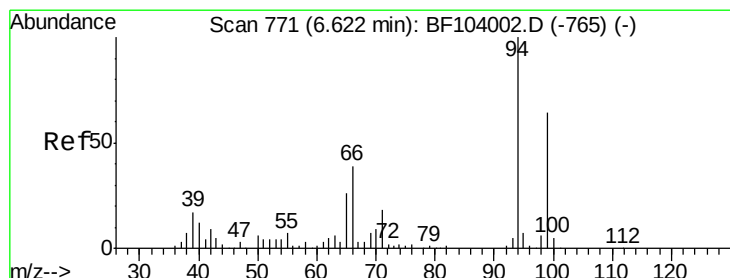
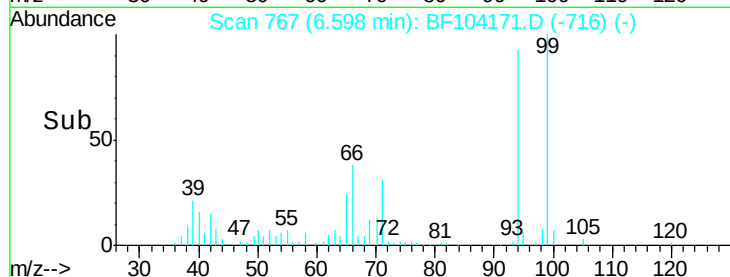
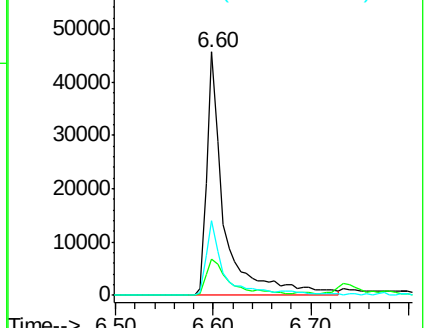
71 30.8 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 66.722 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.00 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

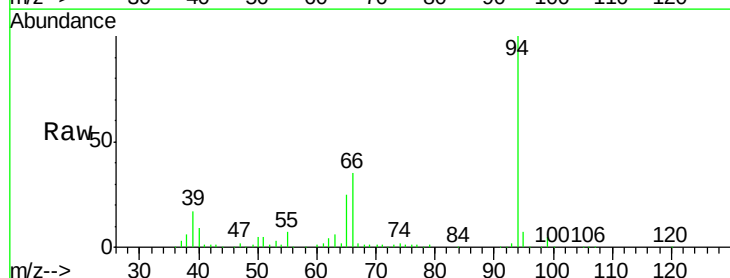
Tgt Ion: 94 Resp: 476256

Ion Ratio Lower Upper

94 100

65 25.5 7.9 47.9

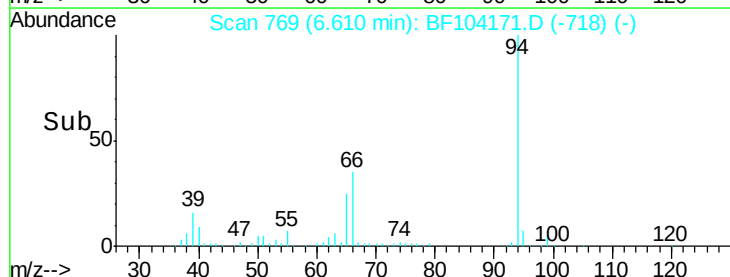
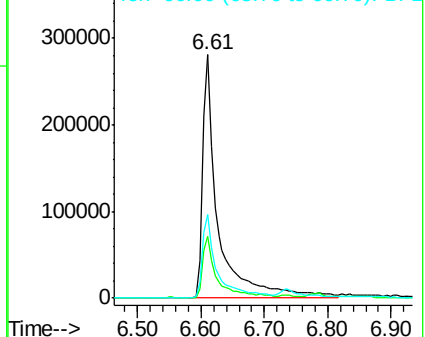
66 34.6 16.2 56.2

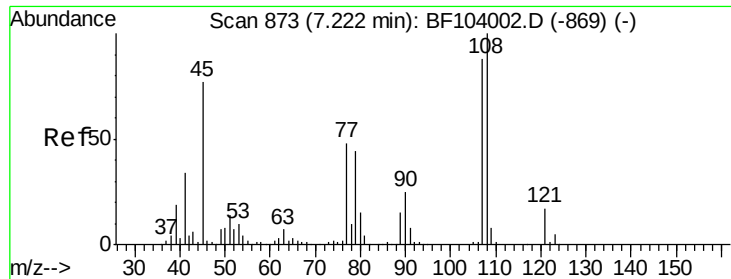


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

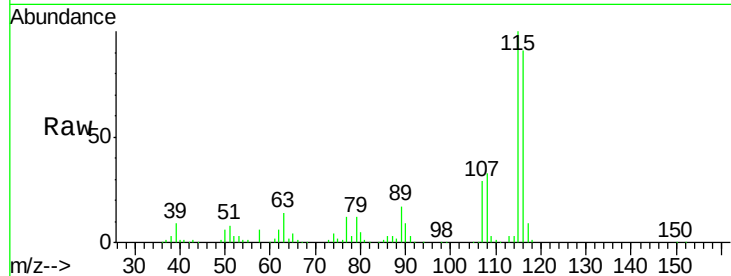




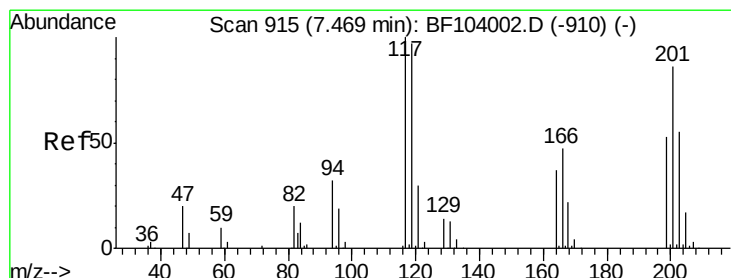
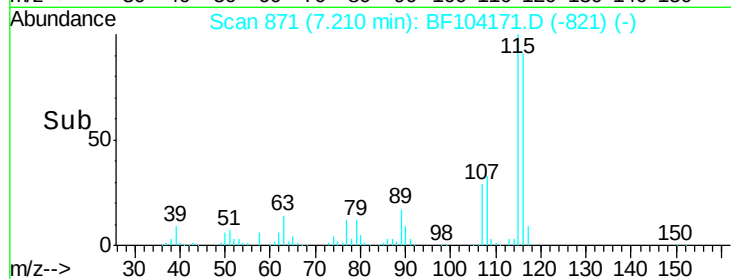
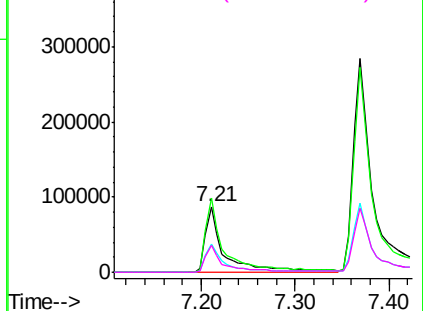
#17
2-Methylphenol
Concen: 26.955 ng
RT: 7.21 min Scan# 871
Delta R.T. -0.01 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Instrument :
BNA_F
ClientSampled :

Tot Ion:	107	Resp:	126013
Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.7	137.5
77	42.4	33.8	50.8
79	40.9	33.8	50.8

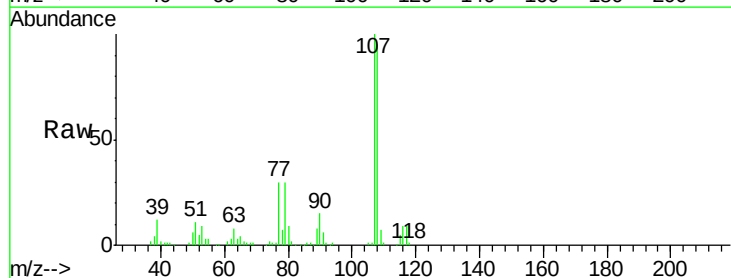


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

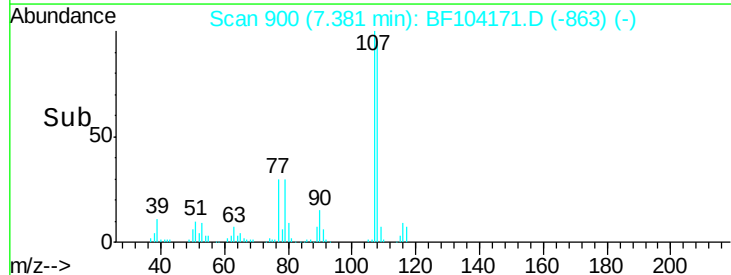
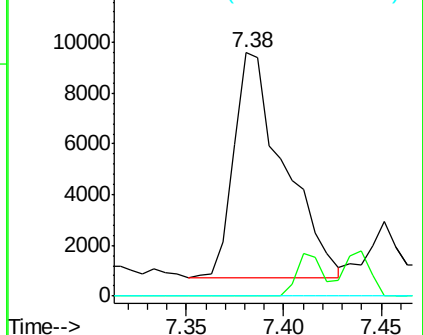


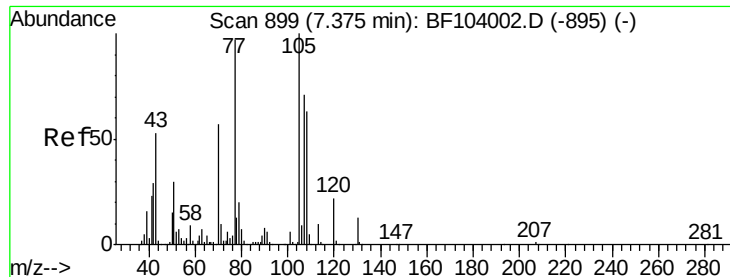
#18
Hexachloroethane
Concen: 6.831 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.08 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:	117	Resp:	15822
Ion	Ratio	Lower	Upper
117	100		
119	0.0	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





#20

3+4-Methylphenols

Concen: 75.678 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampled :

Tot Ion:107 Resp: 451524

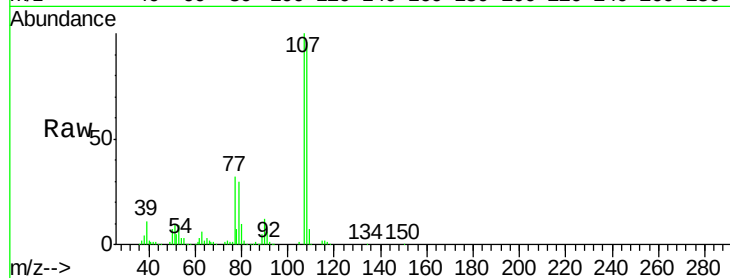
Ion Ratio Lower Upper

107 100

108 96.0 68.2 108.2

77 32.4 26.7 66.7

79 30.2 6.3 46.3

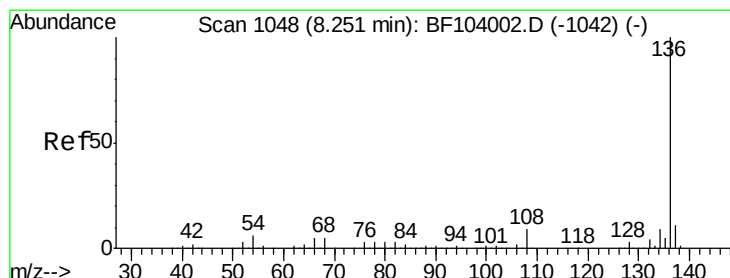
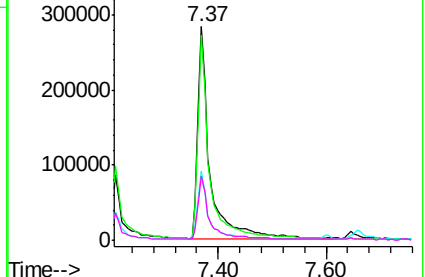
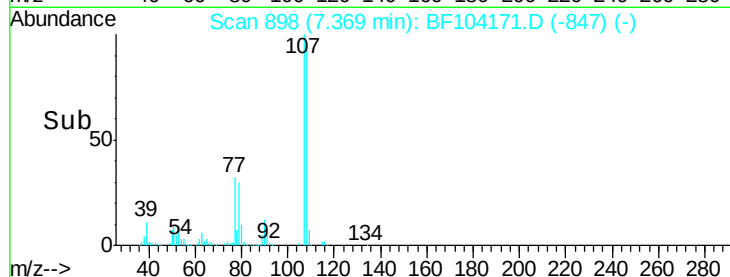


Abundance Ion 107.00 (106.70 to 107.70): E

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Tgt Ion:136 Resp: 259427

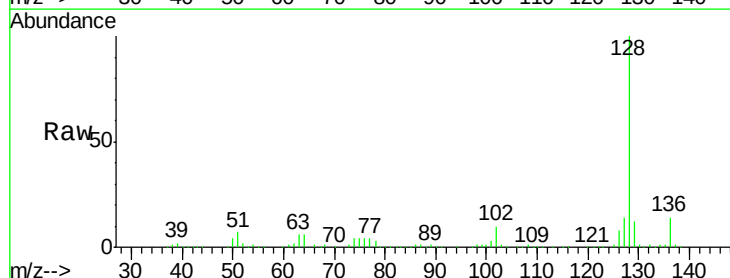
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.5 6.6 9.8#

68 5.1 5.0 7.4

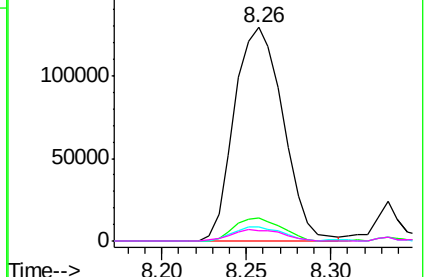
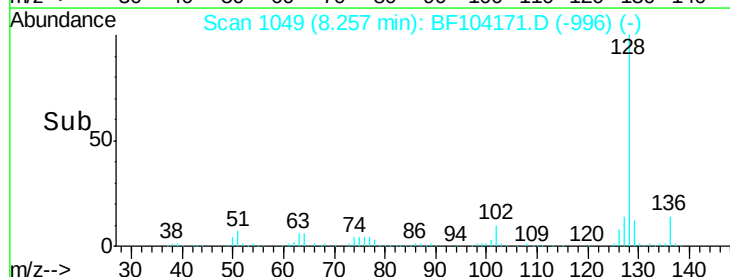


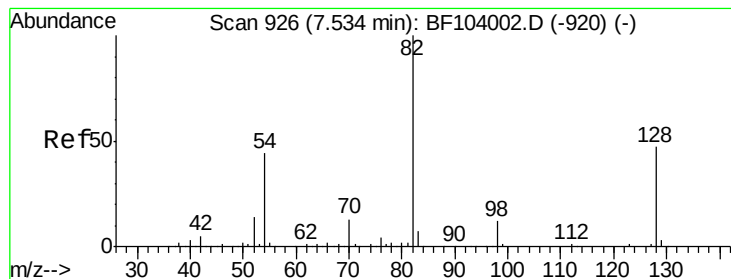
Abundance Ion 136.00 (135.70 to 136.70): E

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





#23

Nitrobenzene-d5

Concen: 6.987 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampleId :

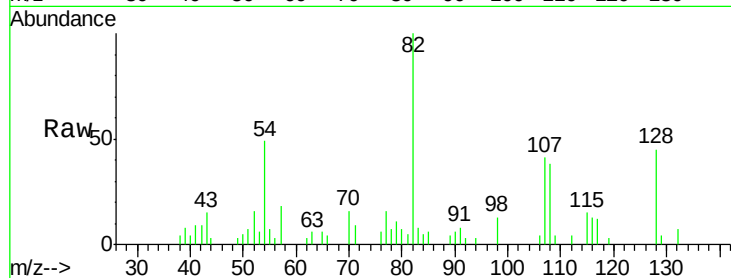
Tot Ion: 82 Resp: 29639

Ion Ratio Lower Upper

82 100

128 45.1 36.1 54.1

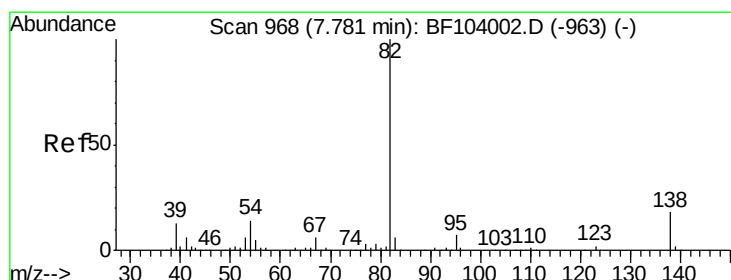
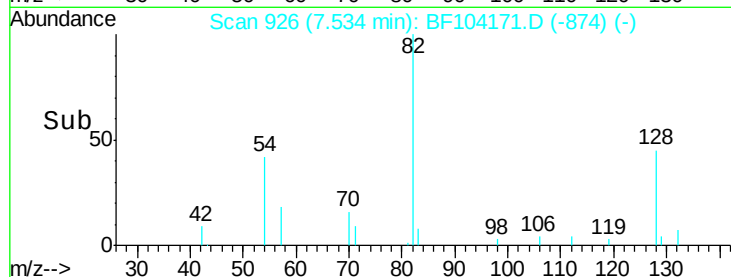
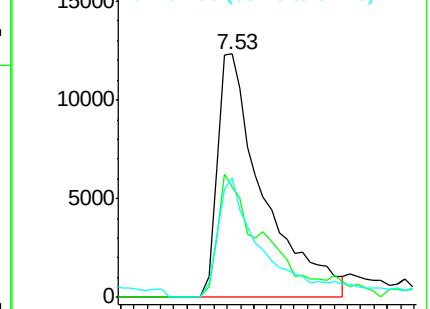
54 49.1 41.4 62.2



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



#25

Isophorone

Concen: 3.791 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.24 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

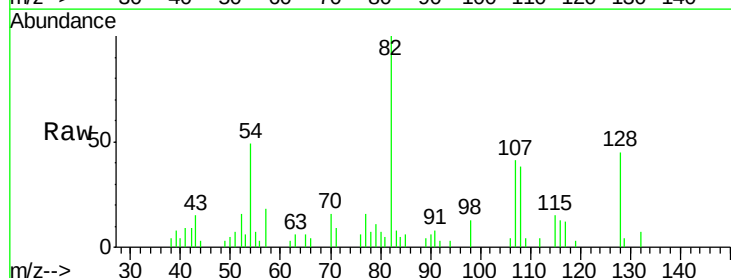
Tgt Ion: 82 Resp: 29639

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

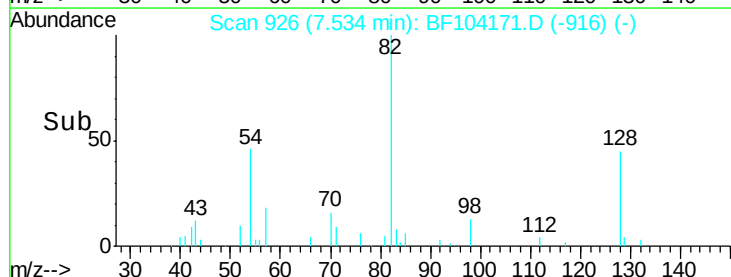
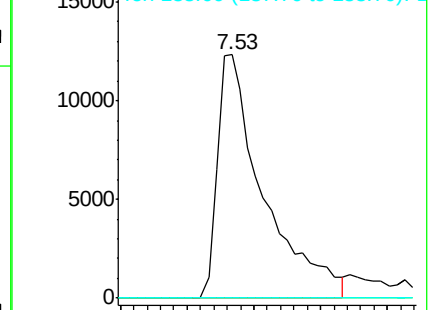
138 0.0 14.9 22.3#

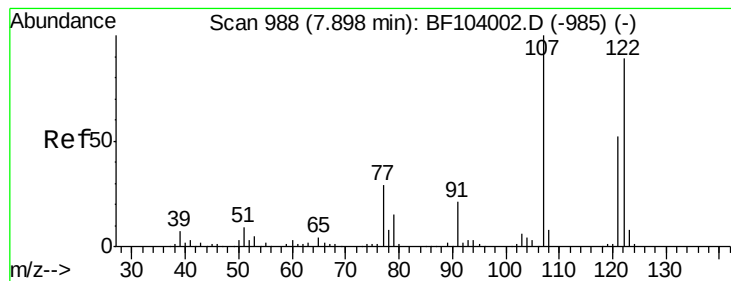


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#27

2,4-Dimethylphenol

Concen: 31.420 ng

RT: 7.90 min Scan# 989

Delta R.T. 0.01 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampled :

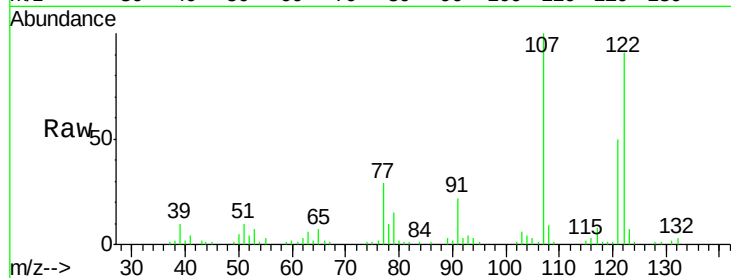
Tot Ion:122 Resp: 105574

Ion Ratio Lower Upper

122 100

107 109.7 91.2 136.8

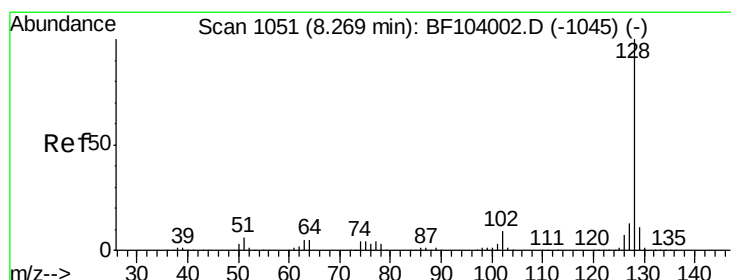
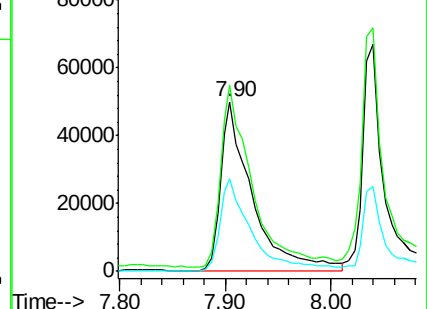
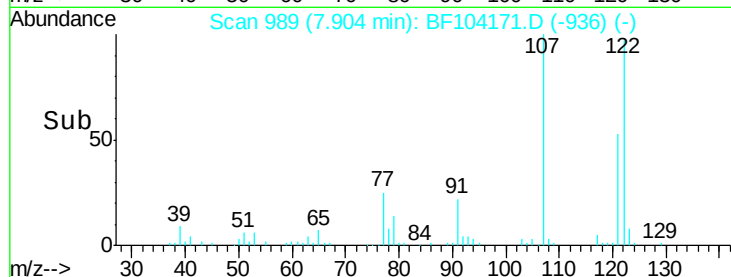
121 54.6 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#31

Naphthalene

Concen: 697.118 ng

RT: 8.29 min Scan# 1055

Delta R.T. 0.03 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

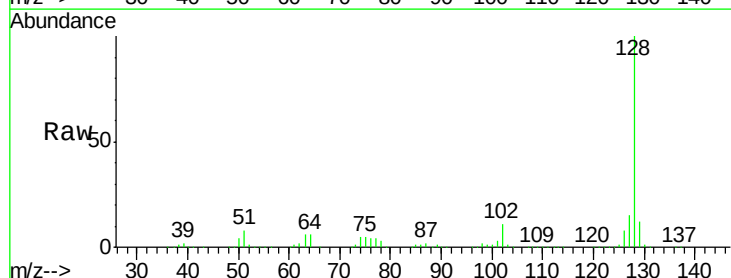
Tgt Ion:128 Resp: 8835208

Ion Ratio Lower Upper

128 100

129 12.1 8.8 13.2

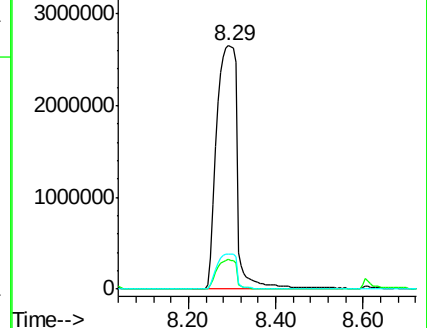
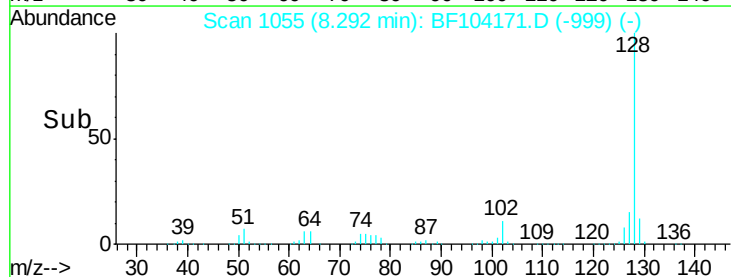
127 14.5 10.9 16.3

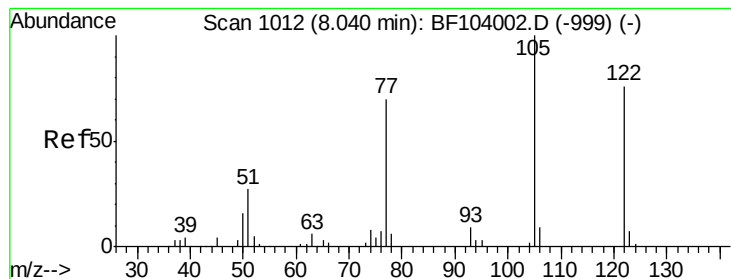


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#32

Benzoic acid

Concen: 36.334 ng

RT: 8.04 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampleId :

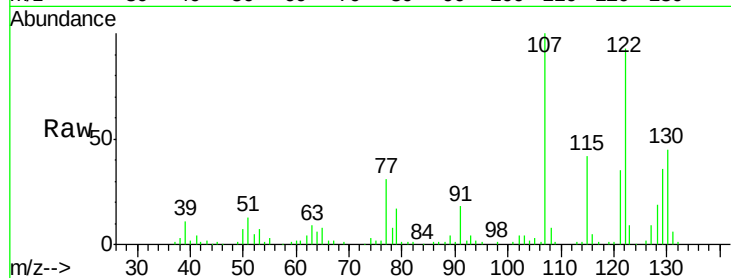
Tot Ion:122 Resp: 89438

Ion Ratio Lower Upper

122 100

105 3.7 101.1 141.1#

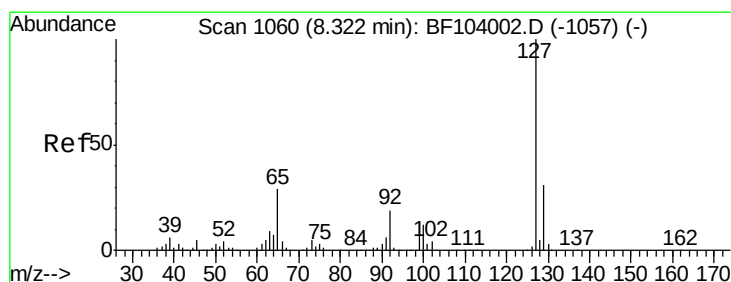
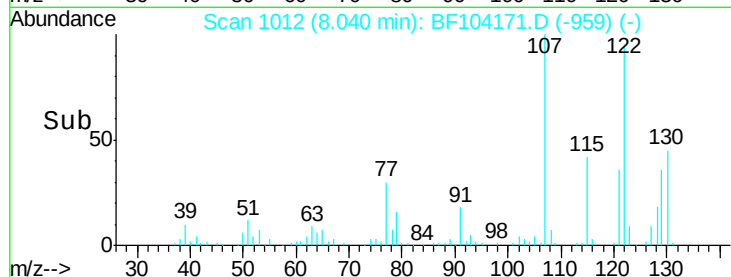
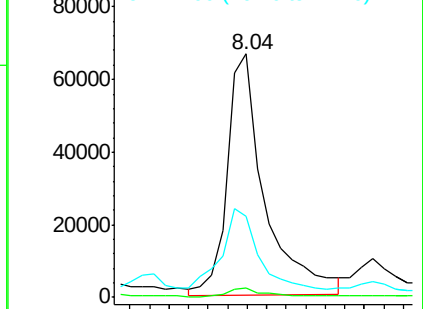
77 33.3 70.7 110.7#



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: 235.688 ng

RT: 8.29 min Scan# 1054

Delta R.T. -0.04 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Tgt Ion:127 Resp: 1259326

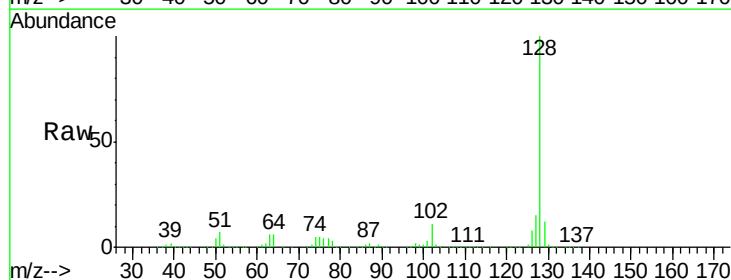
Ion Ratio Lower Upper

127 100

129 81.2 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

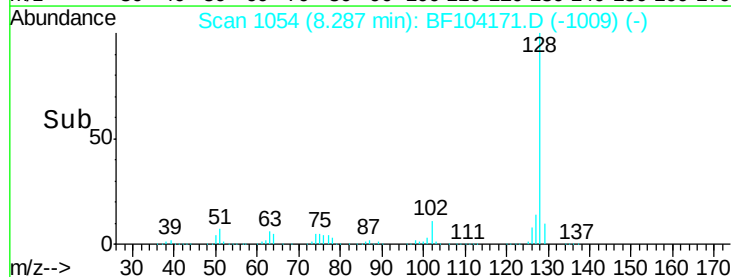
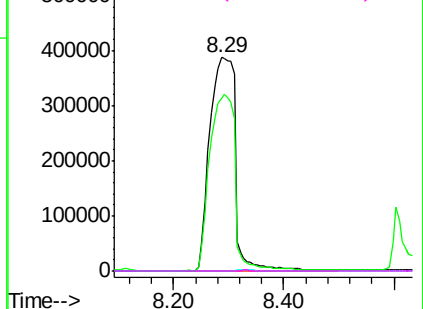


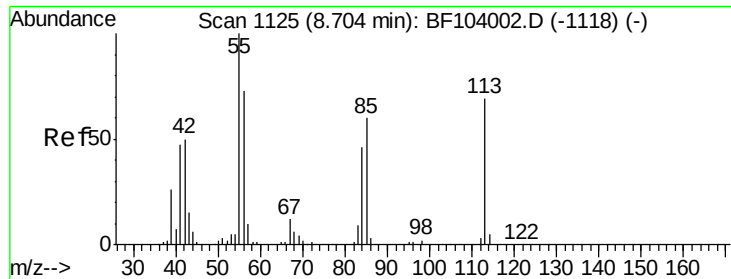
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

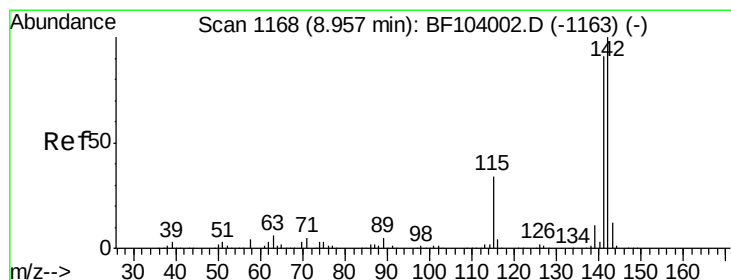
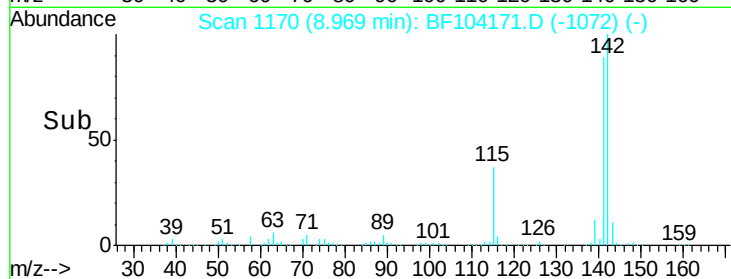
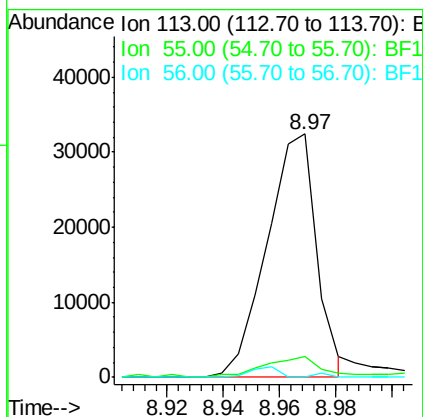
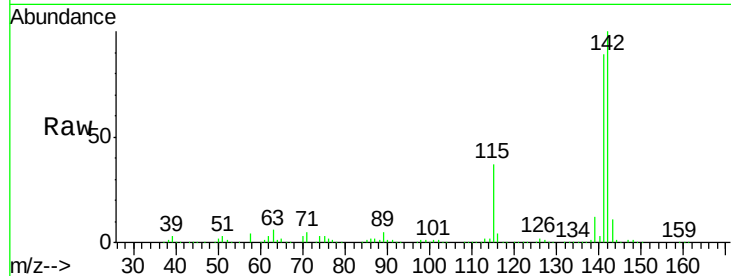




#35
Caprolactam
Concen: 35.506 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.28 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

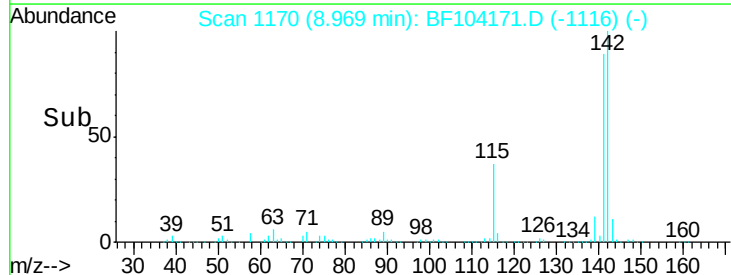
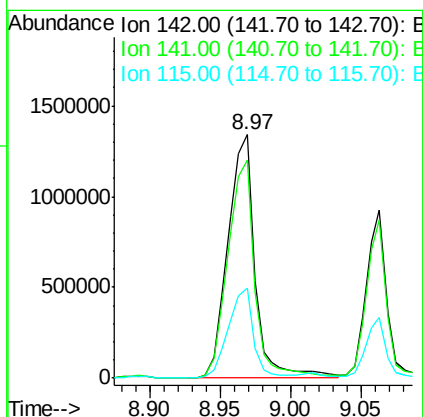
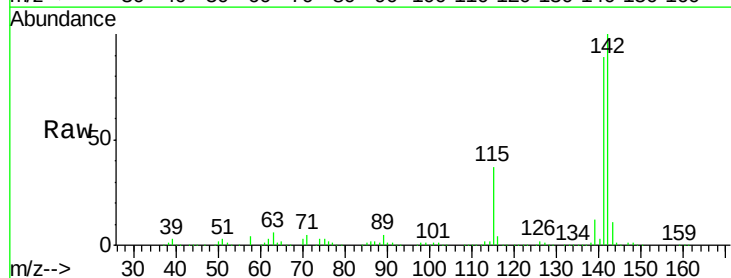
Instrument :
BNA_F
ClientSampleId :

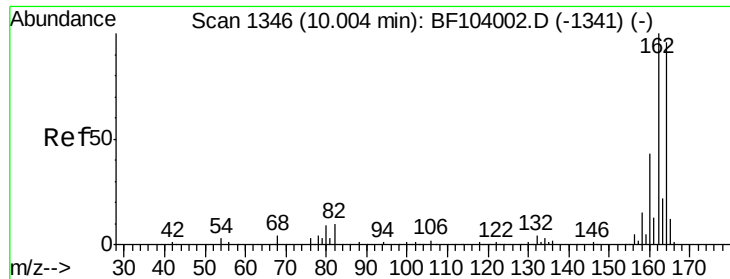
Tot Ion:113 Resp: 39513
Ion Ratio Lower Upper
113 100
55 8.8 163.3 203.3#
56 0.0 115.7 155.7#



#37
2-Methylnaphthalene
Concen: 215.514 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.02 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:142 Resp: 1799190
Ion Ratio Lower Upper
142 100
141 89.3 70.8 106.2
115 36.7 26.1 39.1

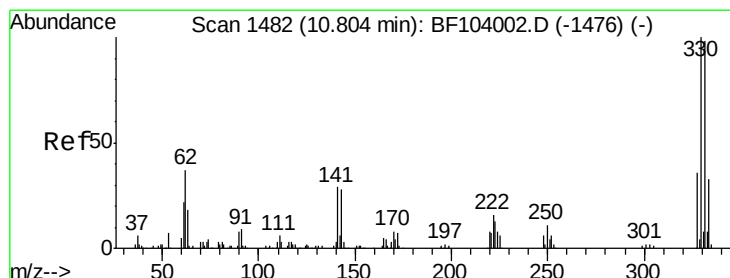
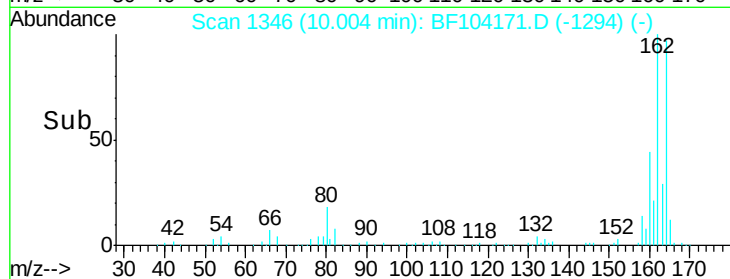
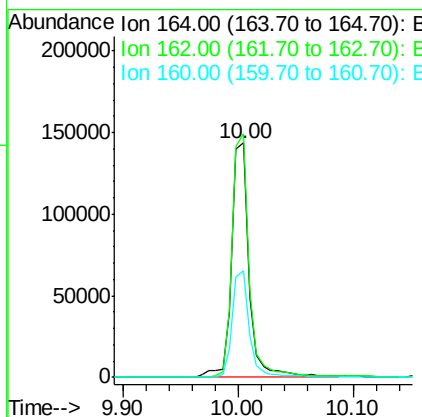
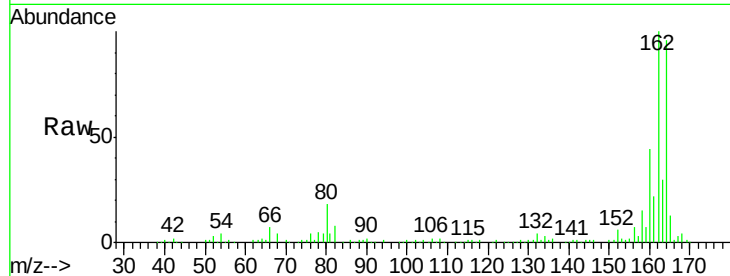




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

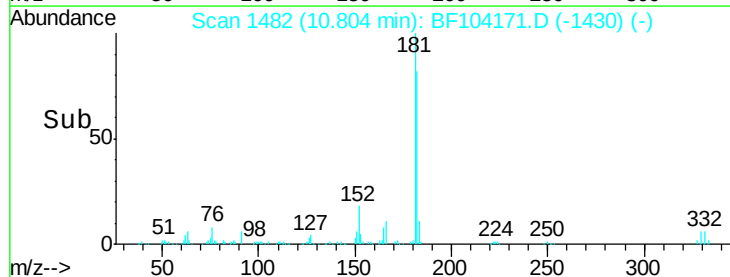
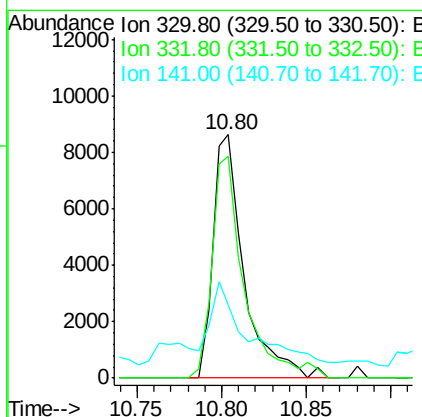
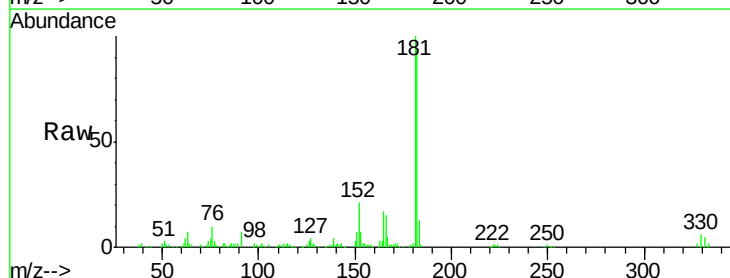
Instrument :
 BNA_F
 ClientSampleId :

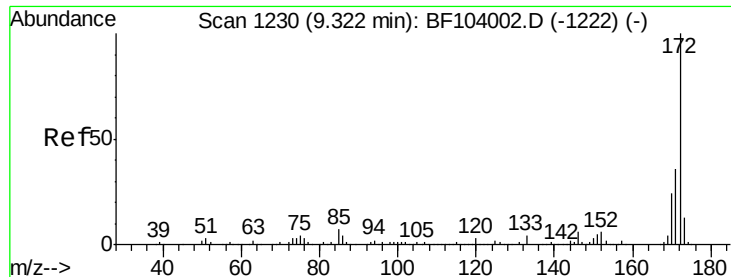
Tot Ion:164 Resp: 152001
 Ion Ratio Lower Upper
 164 100
 162 103.9 86.1 129.1
 160 45.5 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 6.549 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Tgt Ion:330 Resp: 11084
 Ion Ratio Lower Upper
 330 100
 332 94.9 77.0 115.6
 141 37.0 29.9 44.9

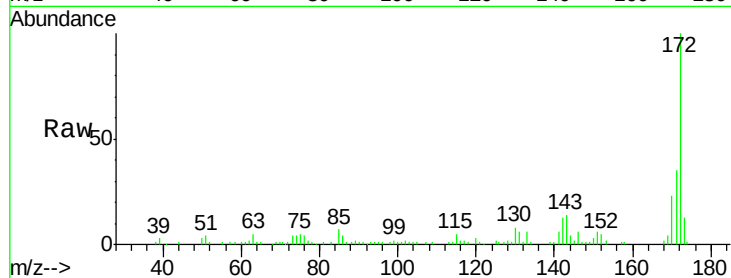




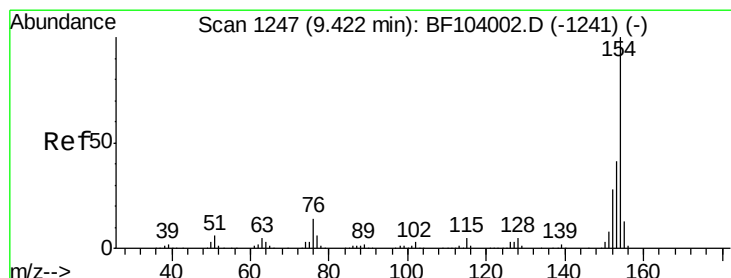
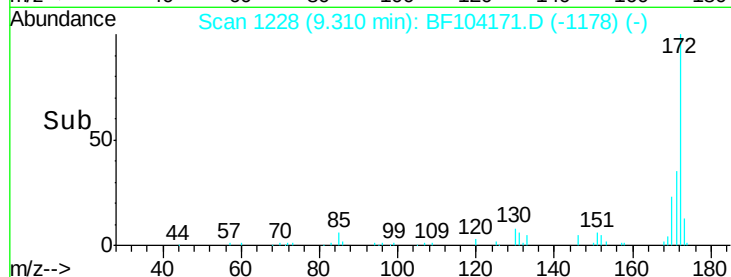
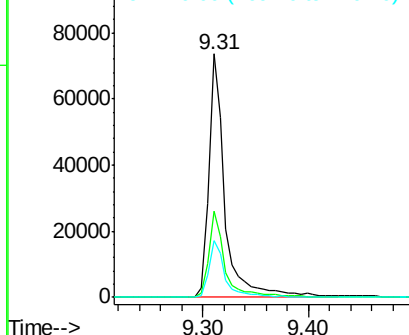
#44
 2-Fluorobiphenyl
 Concen: 8.158 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 78639
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.7 44.5
 170 23.4 19.6 29.4

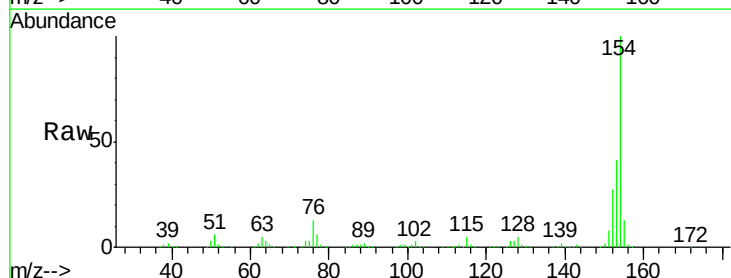


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

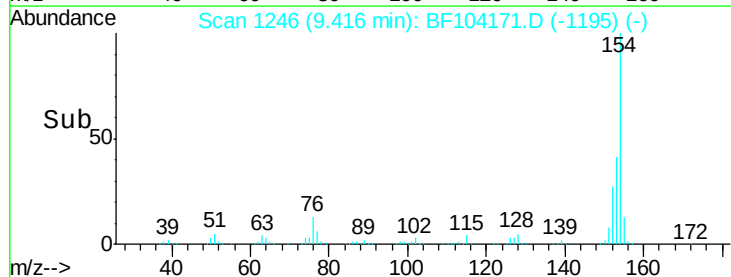
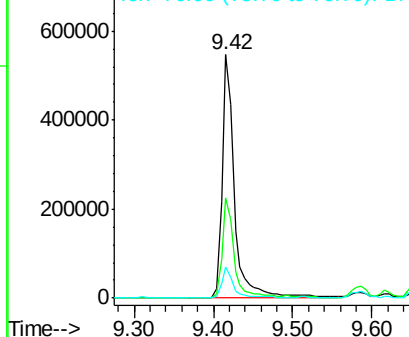


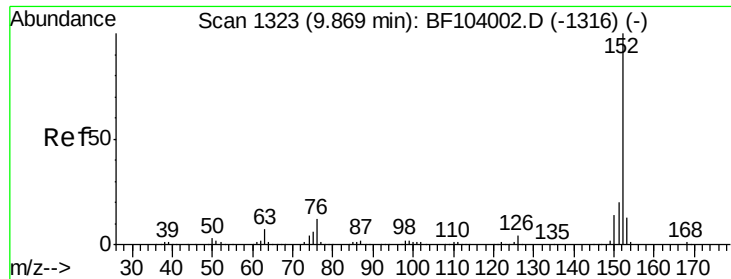
#45
 1,1'-Biphenyl
 Concen: 45.424 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. 0.00 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Tgt Ion:154 Resp: 592600
 Ion Ratio Lower Upper
 154 100
 153 41.1 21.3 61.3
 76 12.8 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





#48

Acenaphthylene

Concen: 161.120 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.01 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampled :

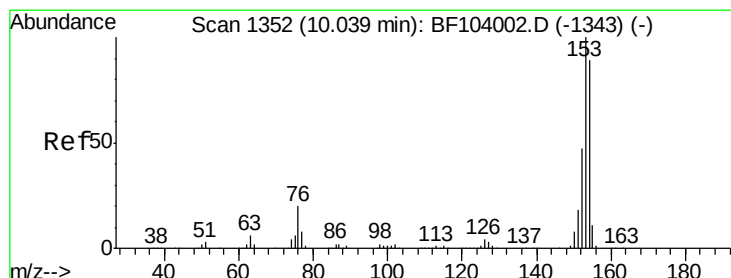
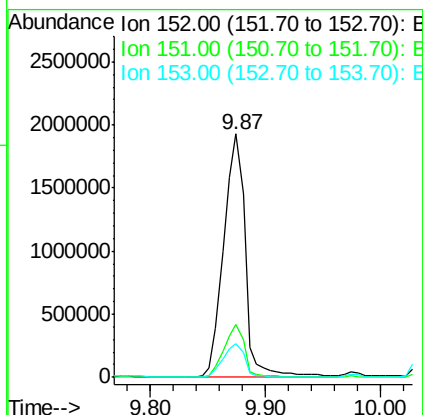
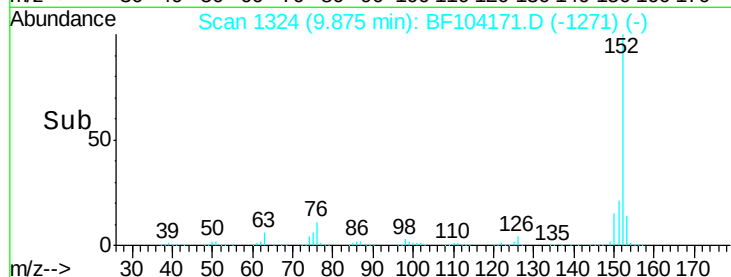
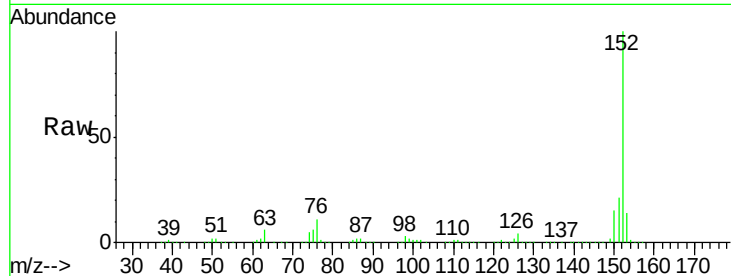
Tot Ion:152 Resp: 2511873

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5

153 13.9 10.7 16.1



#51

Acenaphthene

Concen: 19.633 ng

RT: 10.03 min Scan# 1351

Delta R.T. 0.00 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

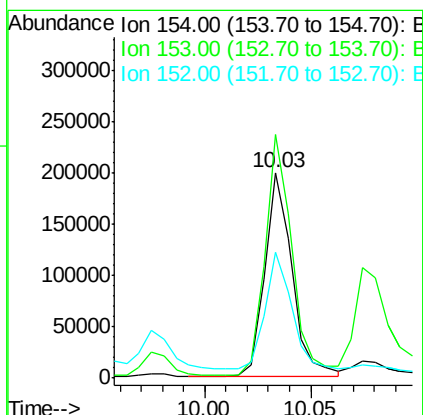
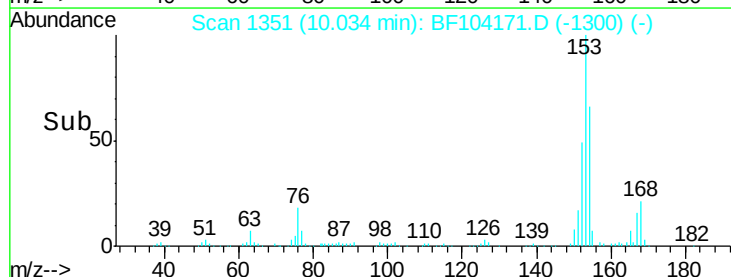
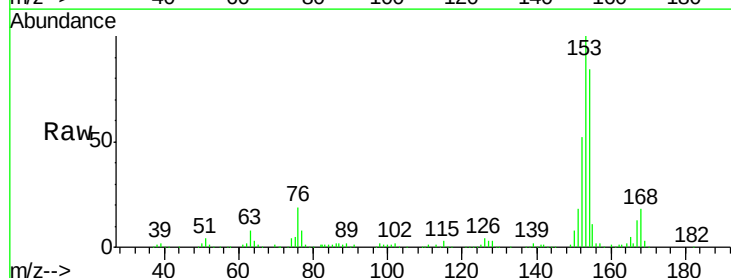
Tgt Ion:154 Resp: 177068

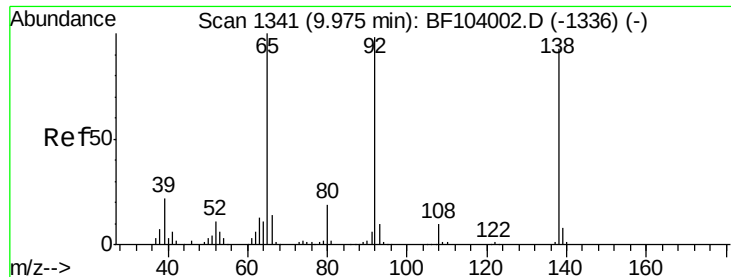
Ion Ratio Lower Upper

154 100

153 118.6 91.2 136.8

152 61.5 43.8 65.8

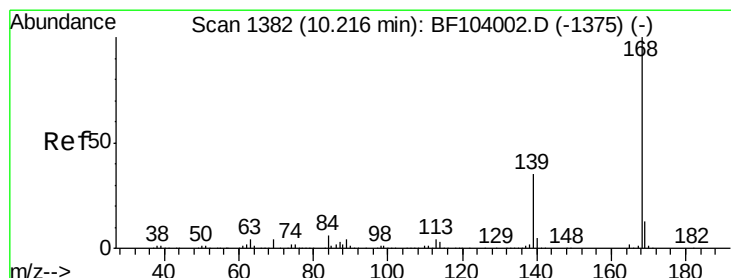
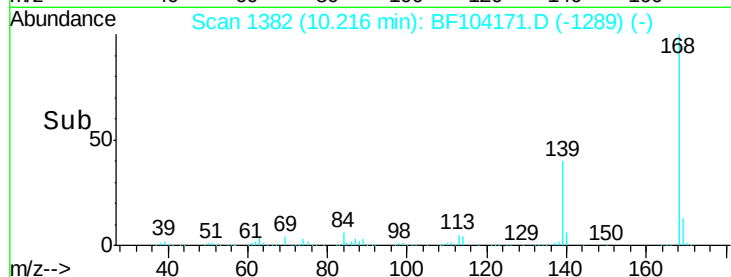
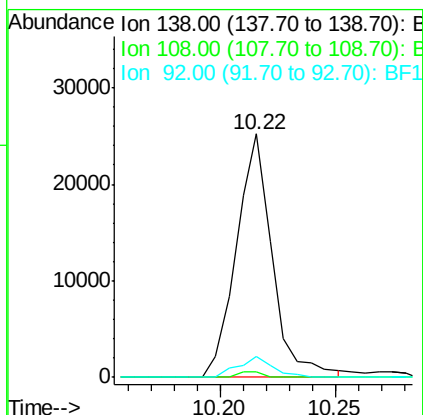
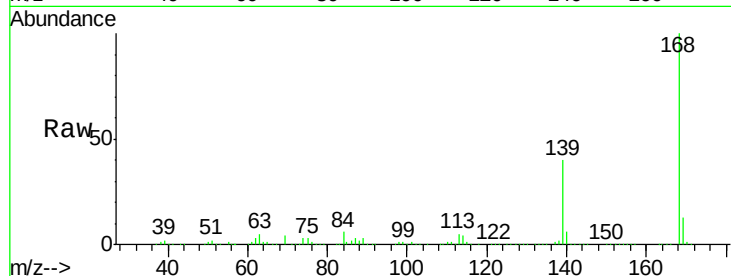




#52
3-Nitroaniline
Concen: 9.246 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.25 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

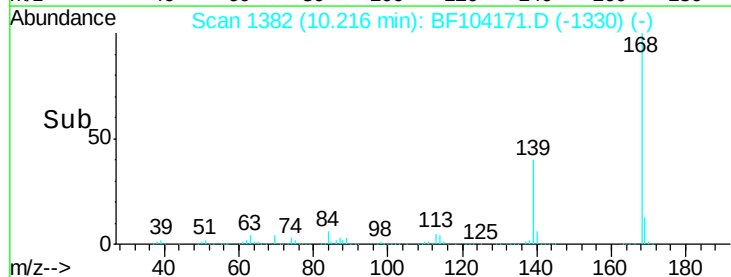
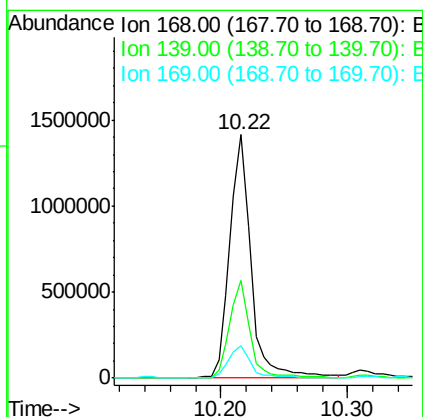
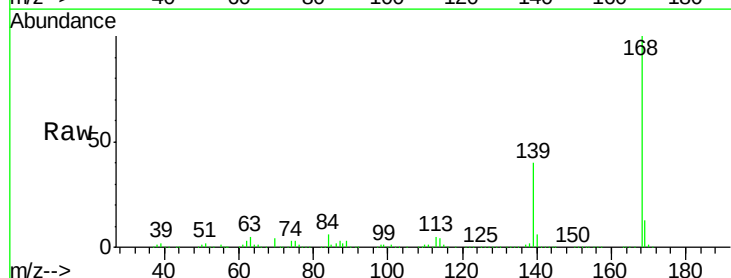
Instrument :
BNA_F
ClientSampleId :

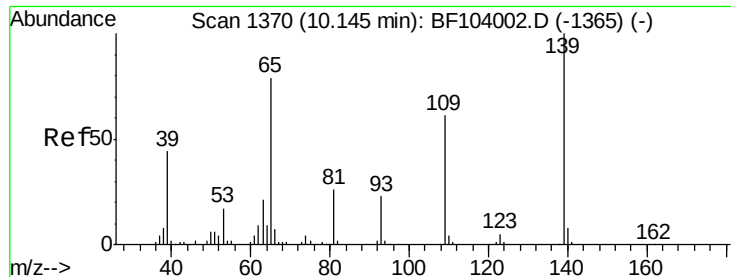
Tot Ion:138 Resp: 27441
Ion Ratio Lower Upper
138 100
108 2.4 9.4 14.0#
92 8.4 89.4 134.2#



#54
Dibenzofuran
Concen: 123.529 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.01 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:168 Resp: 1626891
Ion Ratio Lower Upper
168 100
139 40.2 30.1 45.1
169 13.3 10.9 16.3

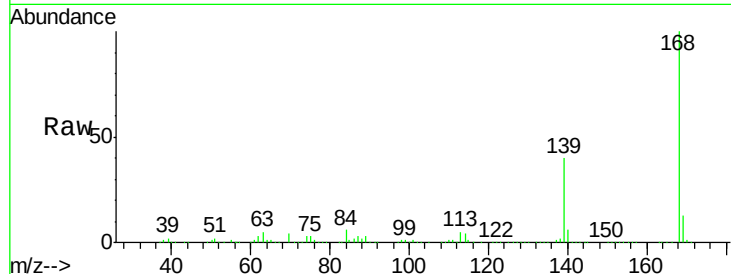




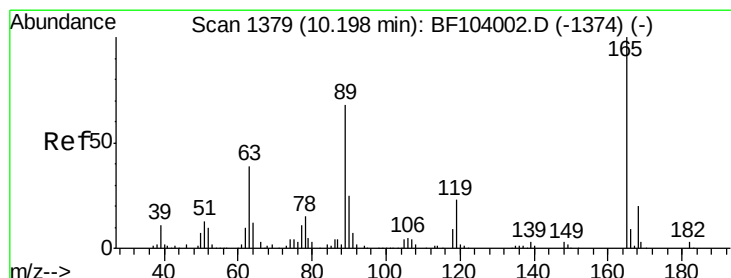
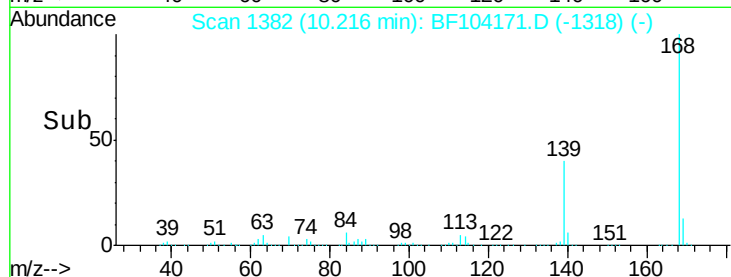
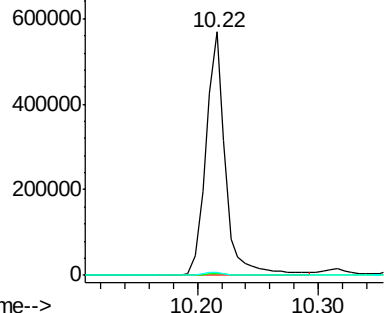
#55
4-Nitrophenol
Concen: 357.262 ng
RT: 10.22 min Scan# 1382
Delta R.T. 0.08 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 635788
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 1.2 72.6 112.6#

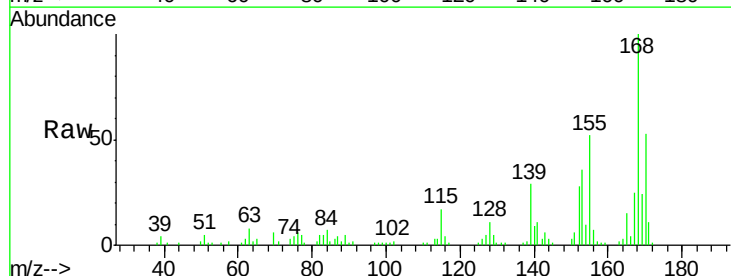


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

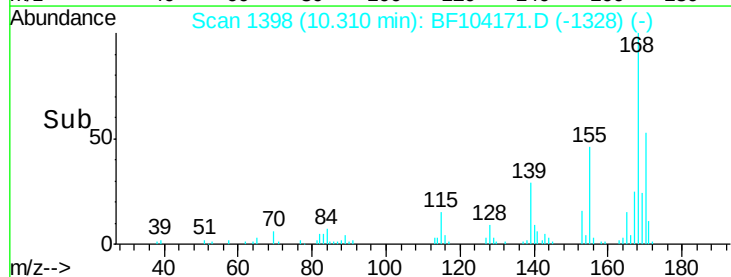
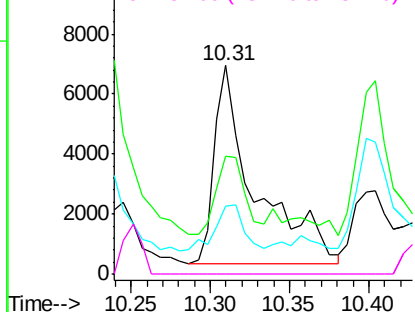


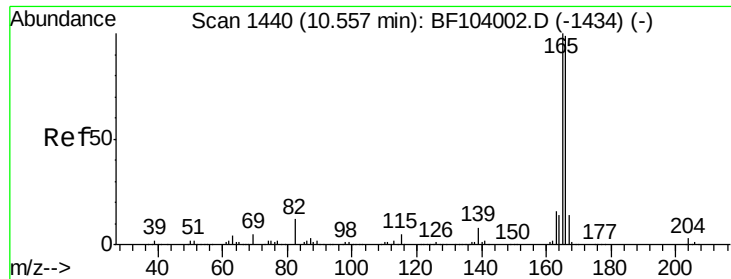
#56
2,4-Dinitrotoluene
Concen: 3.626 ng
RT: 10.31 min Scan# 1398
Delta R.T. 0.11 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:165 Resp: 11947
Ion Ratio Lower Upper
165 100
63 56.8 36.4 54.6#
89 32.5 57.8 86.6#
182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

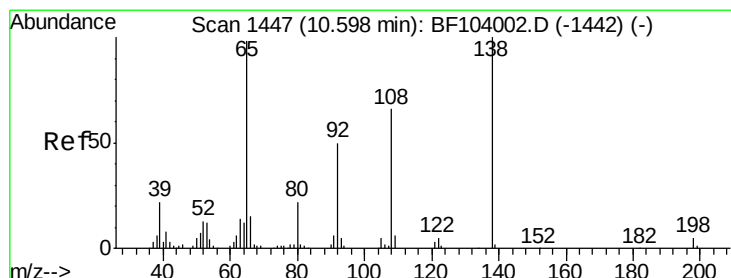
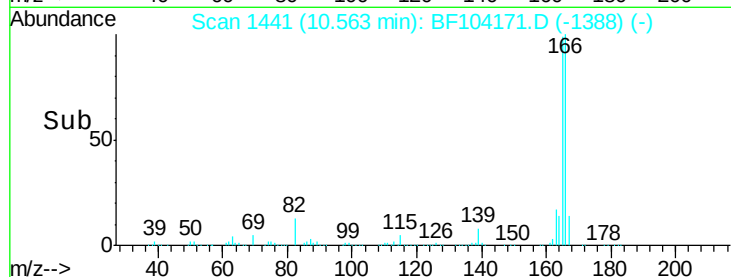
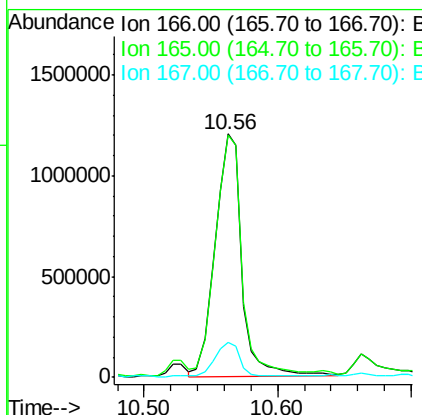
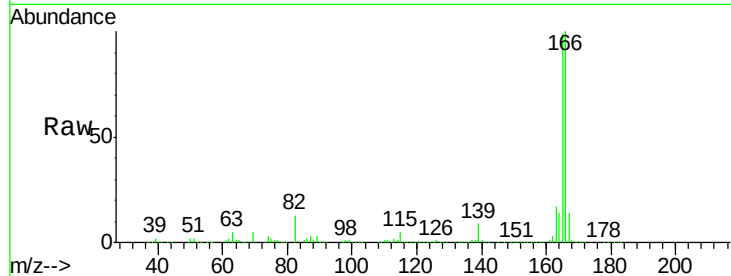




#57
 Fluorene
 Concen: 156.099 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. 0.01 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

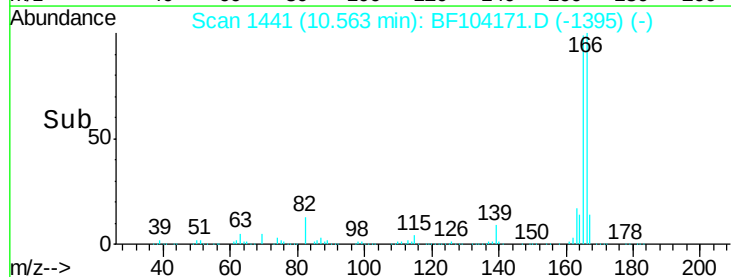
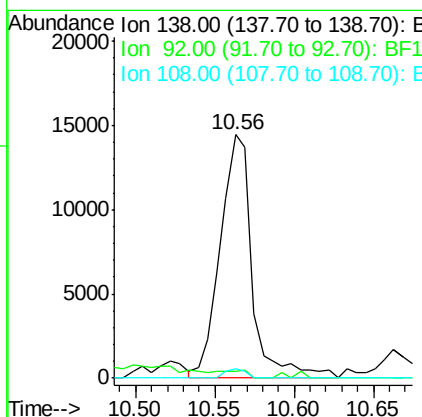
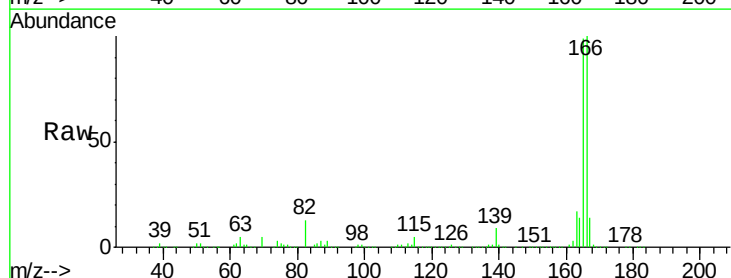
Instrument :
 BNA_F
 ClientSampleId :

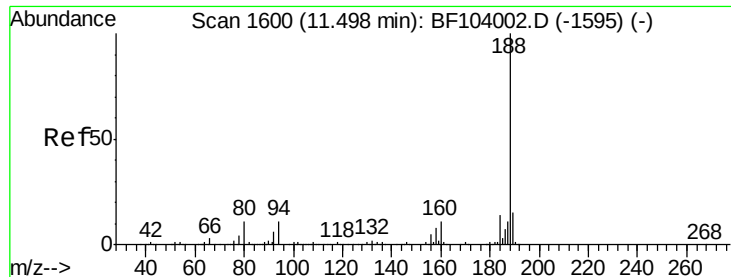
Tot Ion:166 Resp: 1695827
 Ion Ratio Lower Upper
 166 100
 165 99.4 79.8 119.8
 167 14.1 10.6 16.0



#61
 4-Nitroaniline
 Concen: 7.305 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.03 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Tgt Ion:138 Resp: 20286
 Ion Ratio Lower Upper
 138 100
 92 2.8 30.2 70.2#
 108 4.0 52.5 92.5#

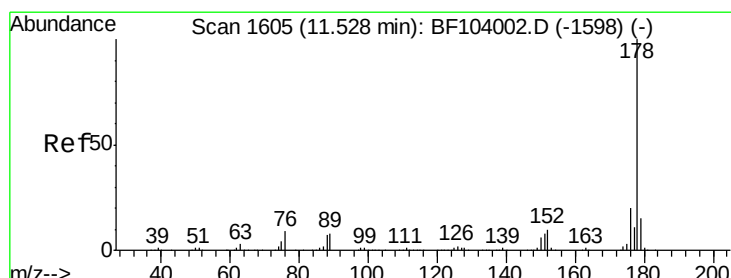
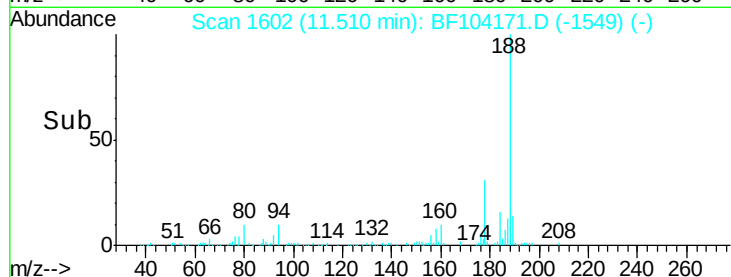
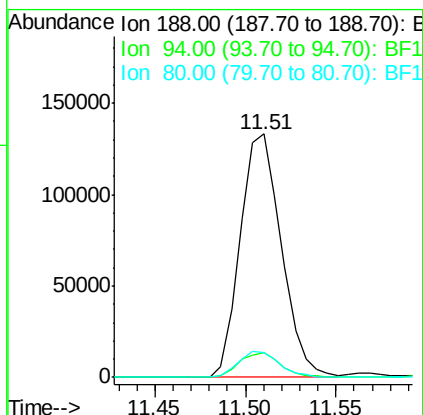
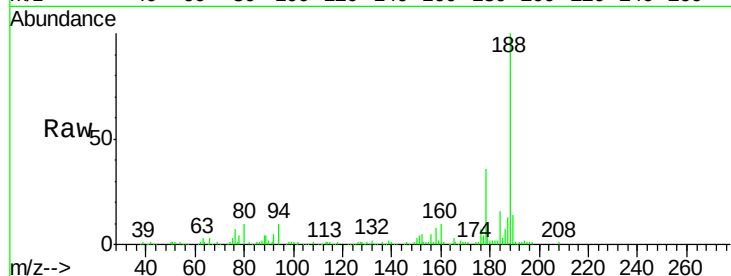




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

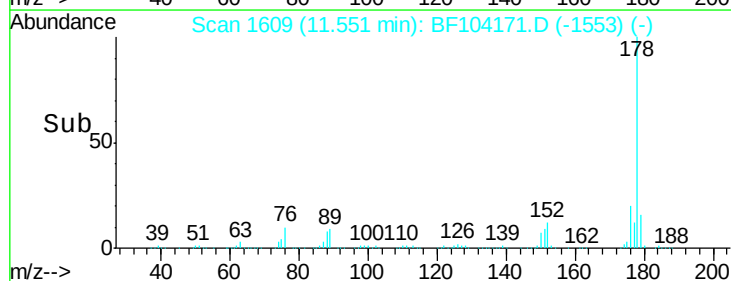
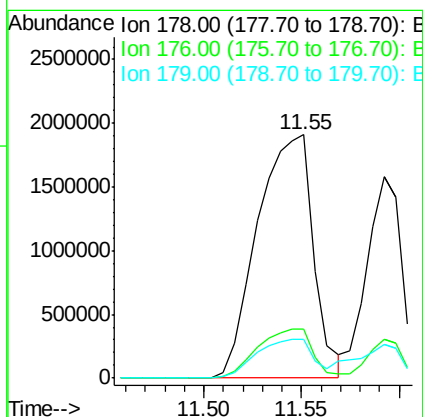
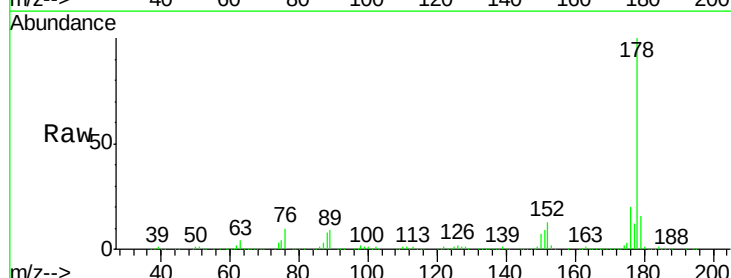
Instrument :
BNA_F
ClientSampleId :

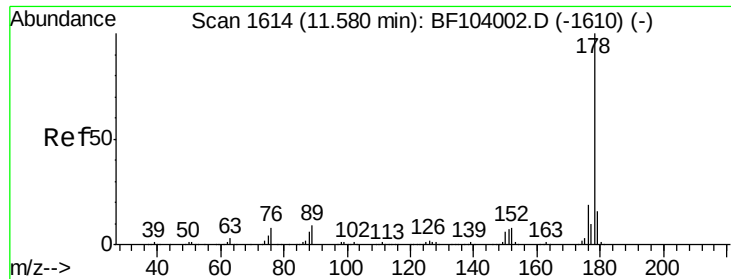
Tot Ion:188 Resp: 210249
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.4 9.2 13.8



#70
Phenanthrene
Concen: 332.022 ng
RT: 11.55 min Scan# 1609
Delta R.T. 0.03 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:178 Resp: 3779443
Ion Ratio Lower Upper
178 100
176 20.3 15.8 23.8
179 15.8 13.0 19.6

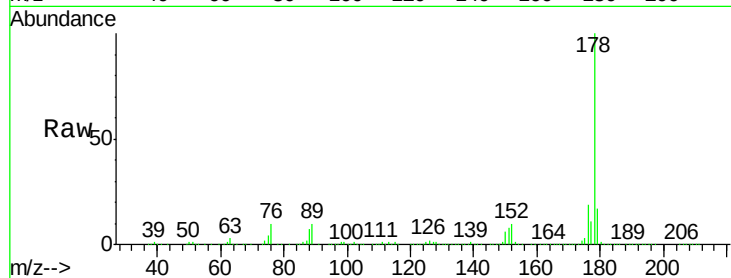




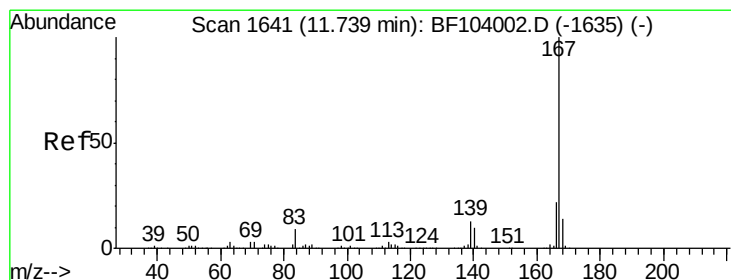
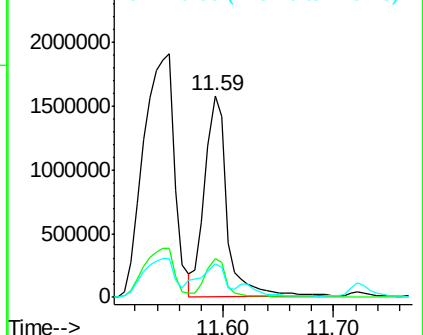
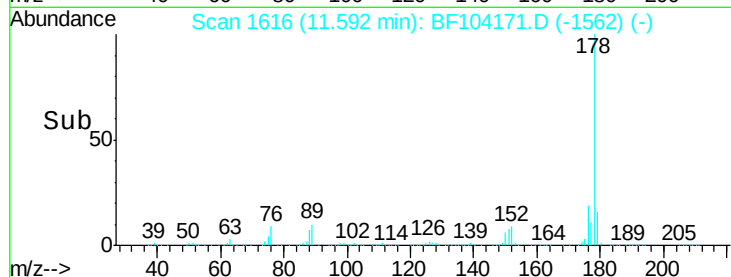
#71
 Anthracene
 Concen: 180.660 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.02 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 2148055
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.4 23.2
 179 16.6 12.6 19.0

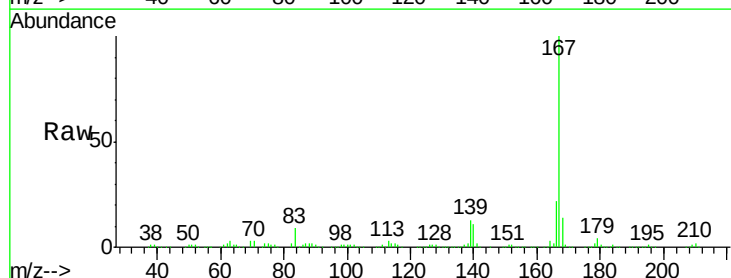


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

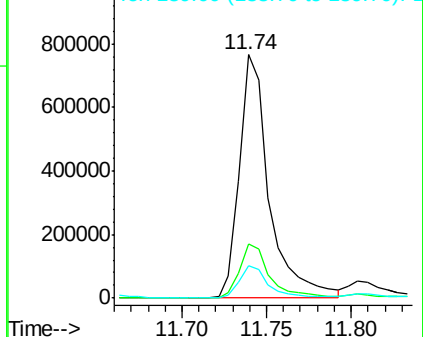
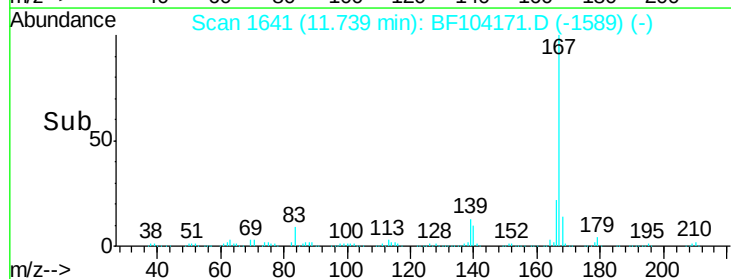


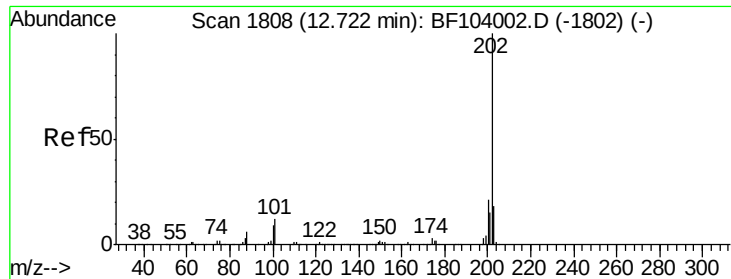
#72
 Carbazole
 Concen: 82.835 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Tgt Ion:167 Resp: 940033
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.6 26.4
 139 13.4 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





#74

Fluoranthene

Concen: 255.144 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.02 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampleId :

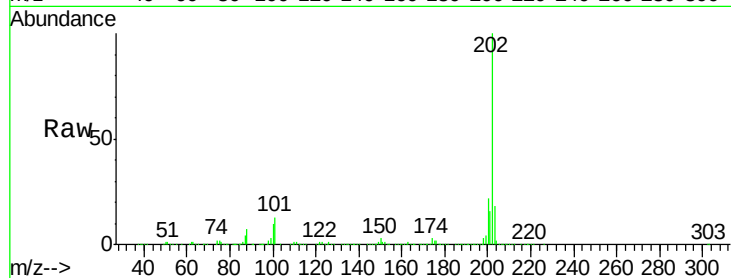
Tot Ion:202 Resp: 3087166

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

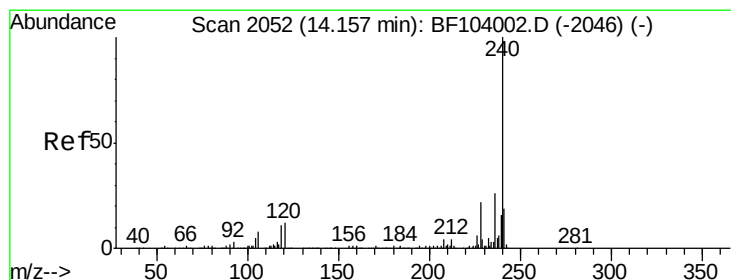
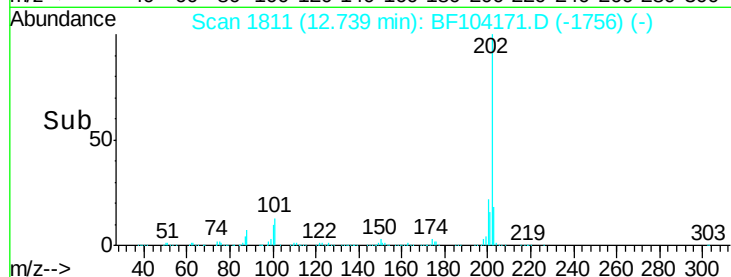
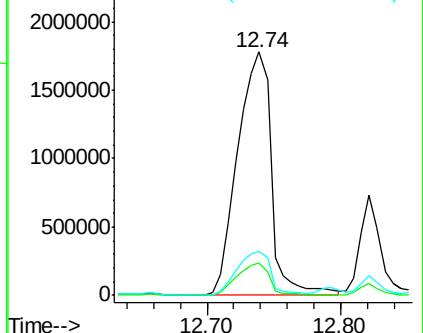
203 17.8 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. 0.02 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

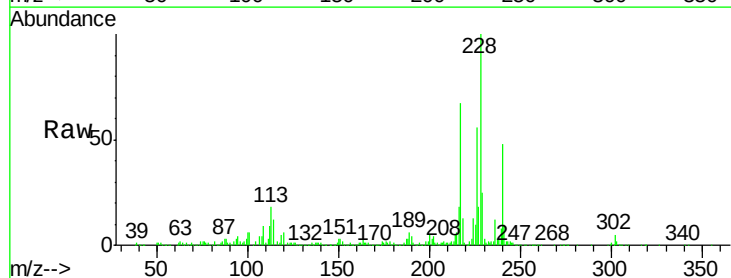
Tgt Ion:240 Resp: 158583

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

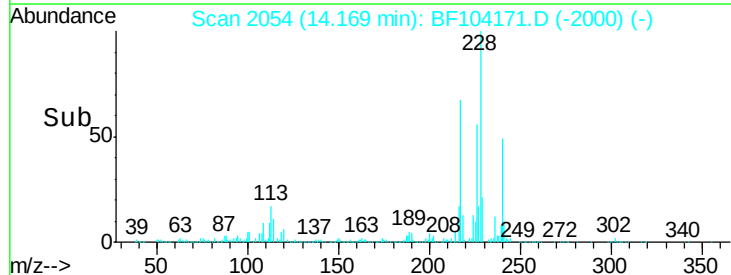
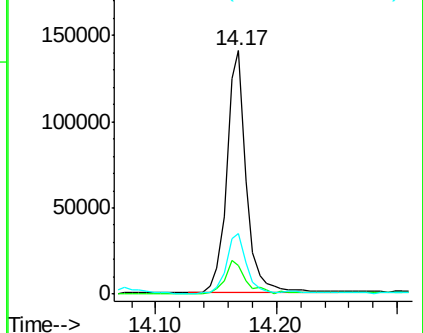
236 25.1 20.7 31.1

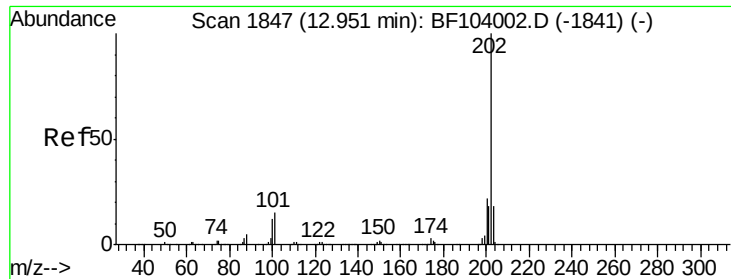


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

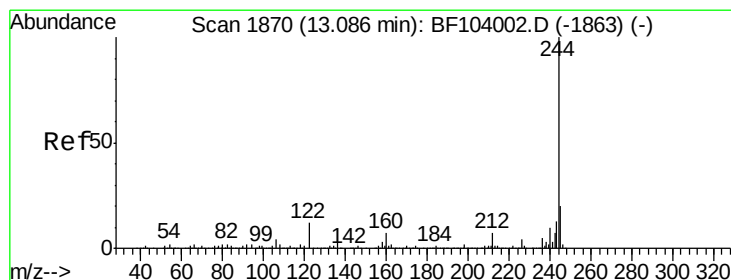
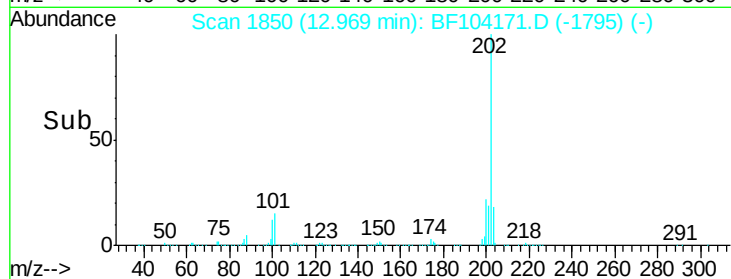
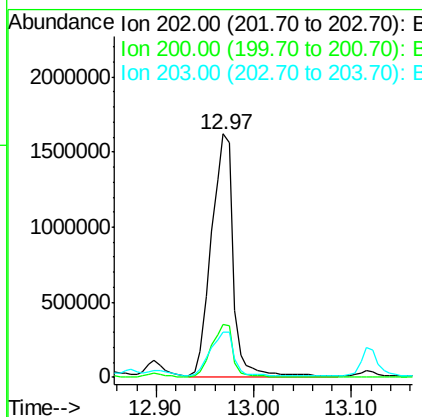
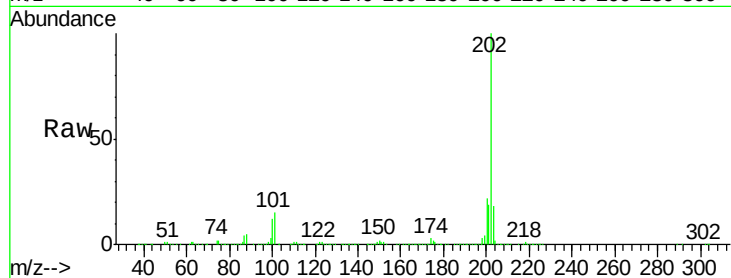




#77
Pvrene
Concen: 222.118 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.02 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

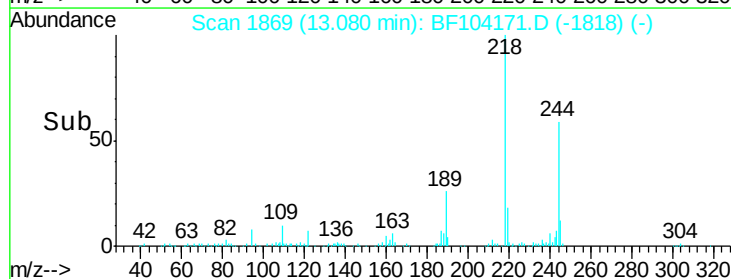
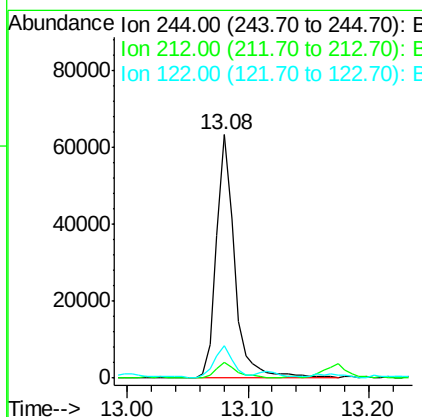
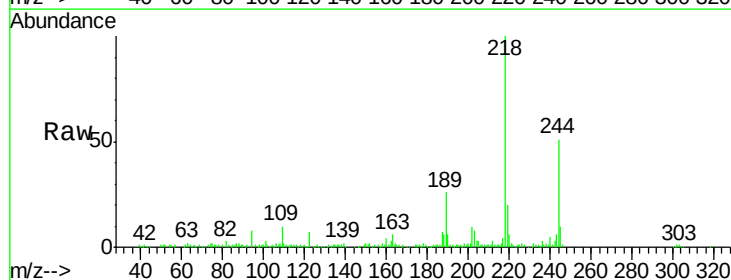
Instrument :
BNA_F
ClientSampleId :

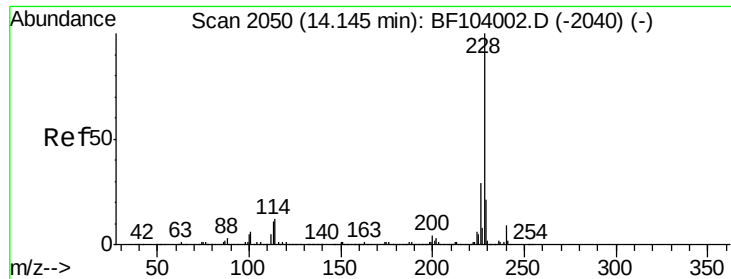
Tot Ion:202 Resp: 2532120
Ion Ratio Lower Upper
202 100
200 21.7 17.4 26.2
203 18.4 14.3 21.5



#78
Terphenyl-d14
Concen: 9.602 ng
RT: 13.08 min Scan# 1869
Delta R.T. 0.00 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:244 Resp: 65948
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.0
122 13.3 11.0 16.4





#80

Benzo(a)anthracene

Concen: 139.105 ng

RT: 14.16 min Scan# 2052

Delta R.T. 0.02 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampleId :

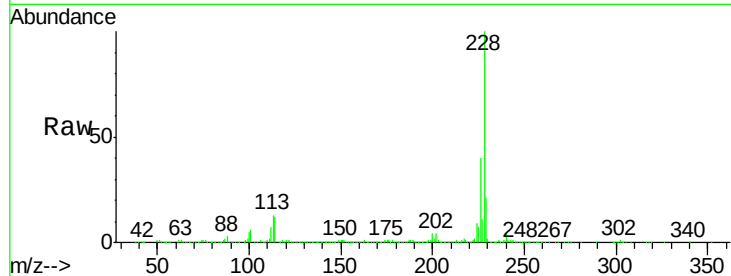
Tot Ion:228 Resp: 1380313

Ion Ratio Lower Upper

228 100

226 39.7 22.6 33.8#

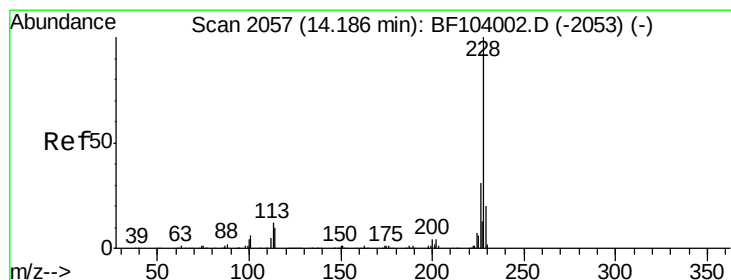
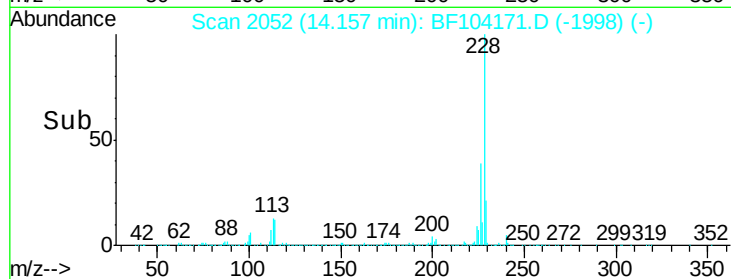
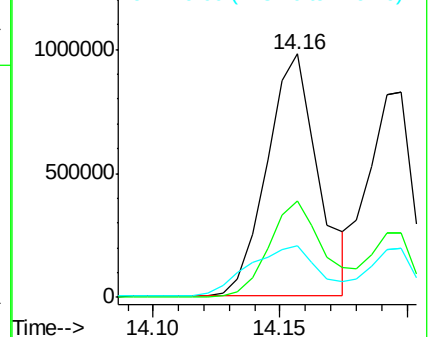
229 21.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 110.623 ng

RT: 14.20 min Scan# 2059

Delta R.T. 0.02 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

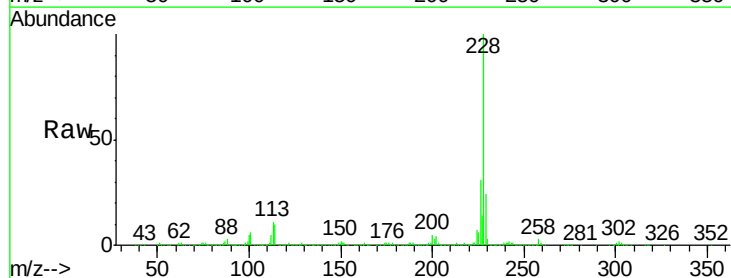
Tgt Ion:228 Resp: 1075135

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

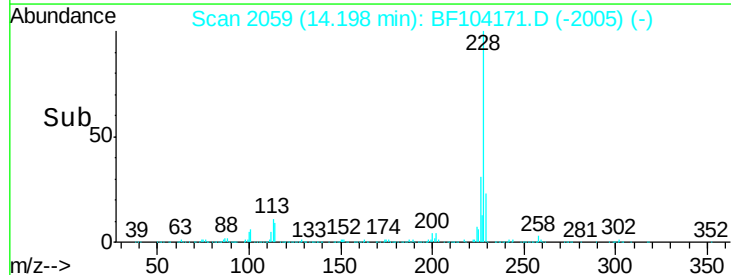
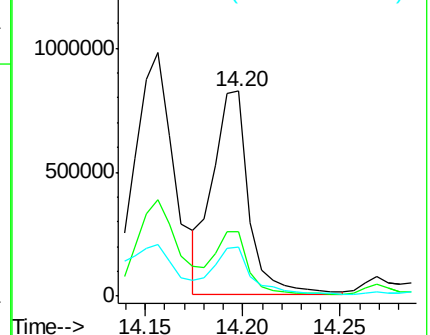
229 24.2 16.2 24.4

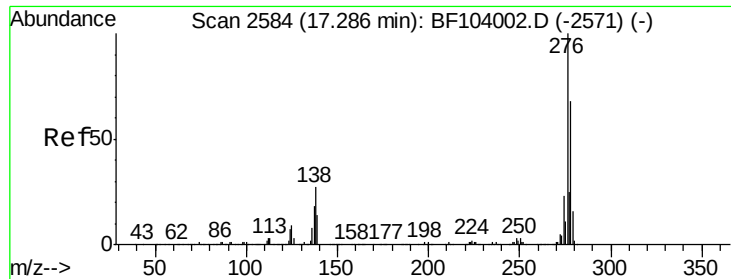


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

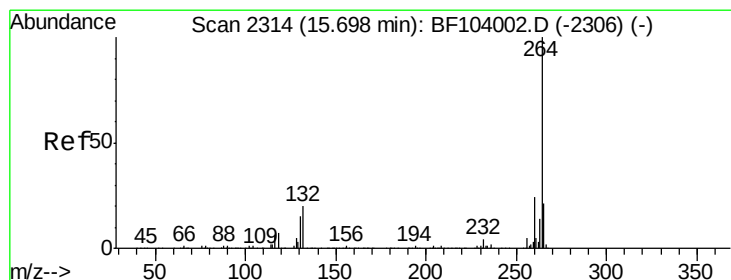
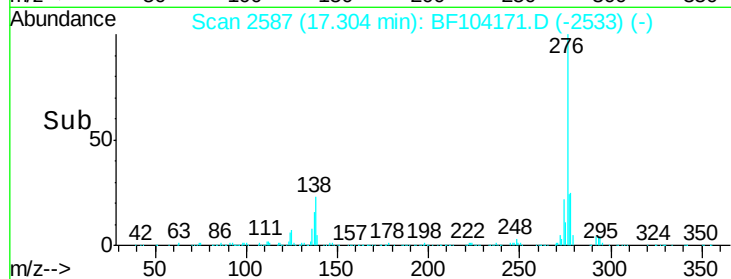
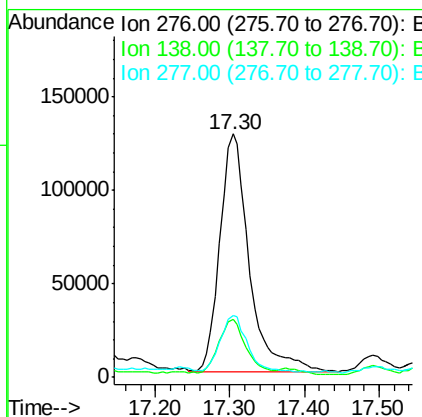
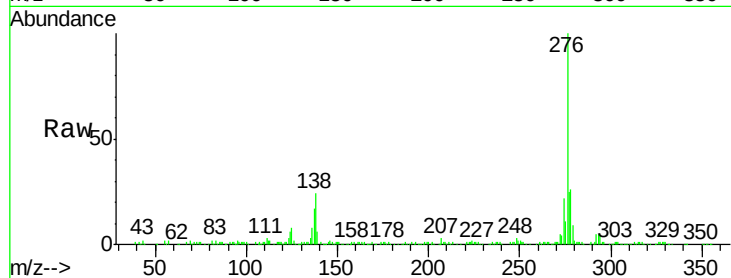




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 34.700 ng
 RT: 17.30 min Scan# 2587
 Delta R.T. 0.02 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

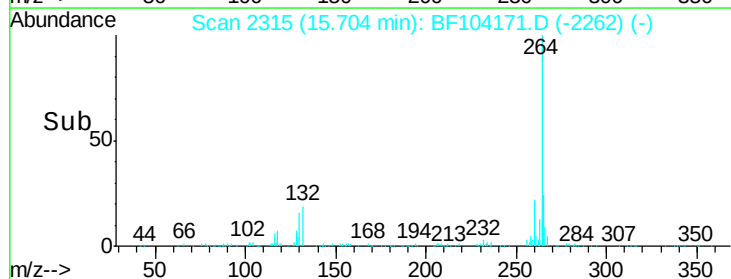
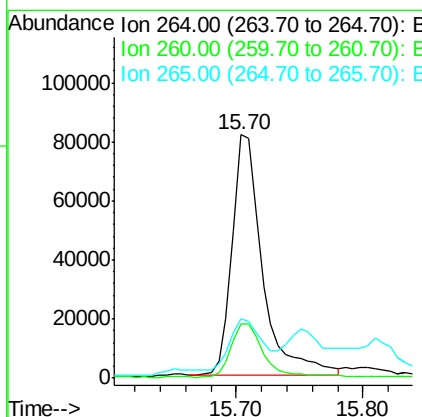
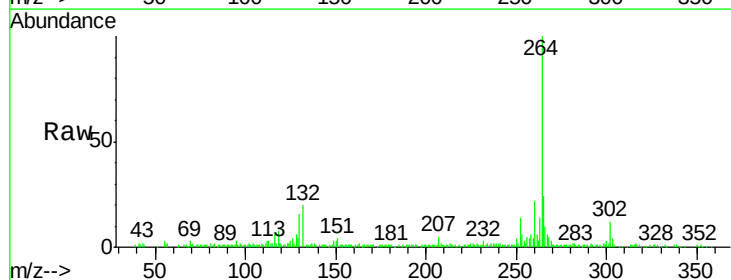
Instrument :
 BNA_F
 ClientSampleId :

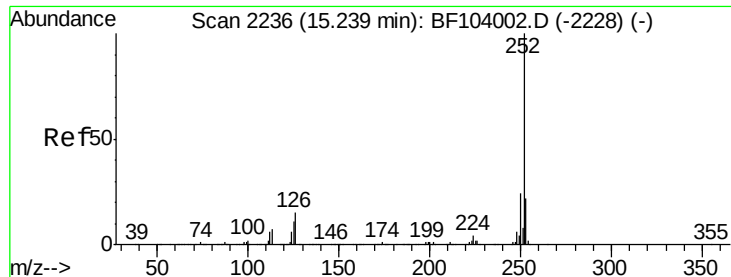
Tot Ion:276 Resp: 349478
 Ion Ratio Lower Upper
 276 100
 138 20.7 25.0 37.6#
 277 22.2 20.1 30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. 0.01 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Tgt Ion:264 Resp: 135090
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.2 28.8
 265 24.4 17.5 26.3





#87

Benzo(b)fluoranthene

Concen: 174.581 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.02 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

Instrument :

BNA_F

ClientSampleId :

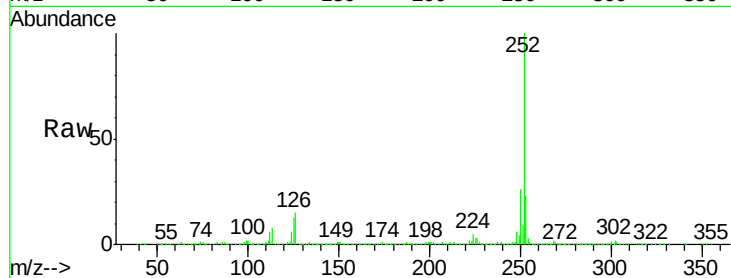
Tot Ion:252 Resp: 1435306

Ion Ratio Lower Upper

252 100

253 23.2 17.0 25.6

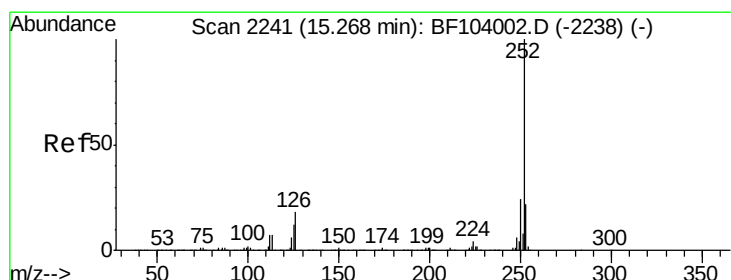
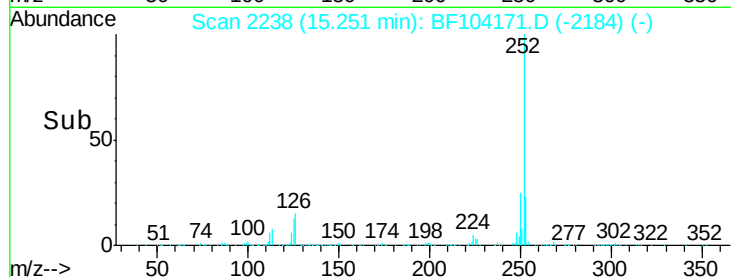
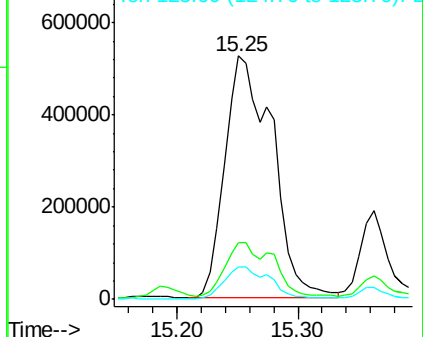
125 13.1 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 185.329 ng

RT: 15.25 min Scan# 2238

Delta R.T. -0.01 min

Lab File: BF104171.D

Acq: 3 Apr 2018 9:39

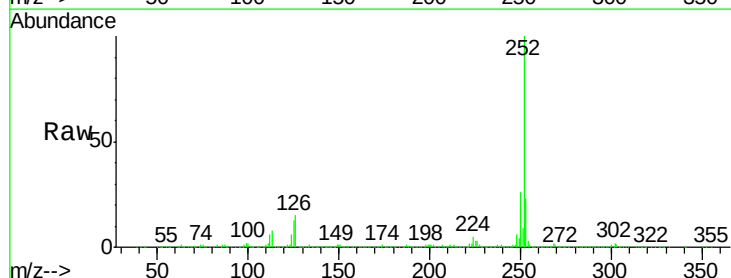
Tgt Ion:252 Resp: 1435306

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

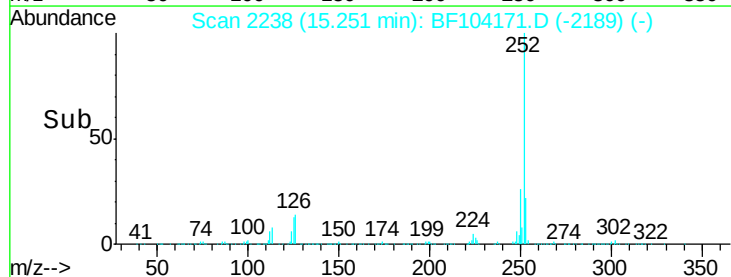
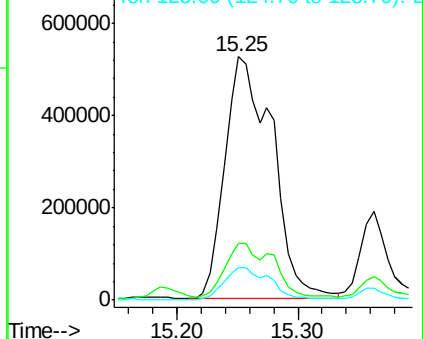
125 13.1 10.2 15.2

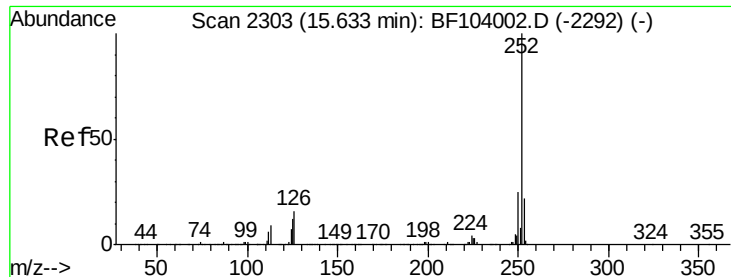


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

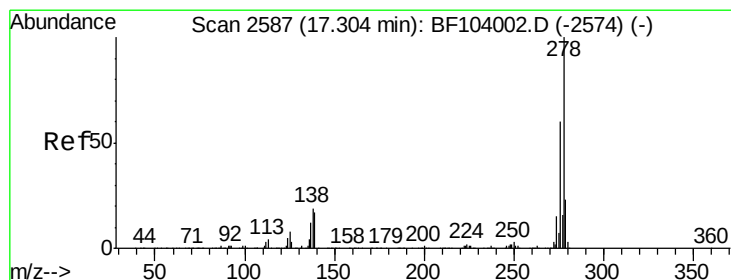
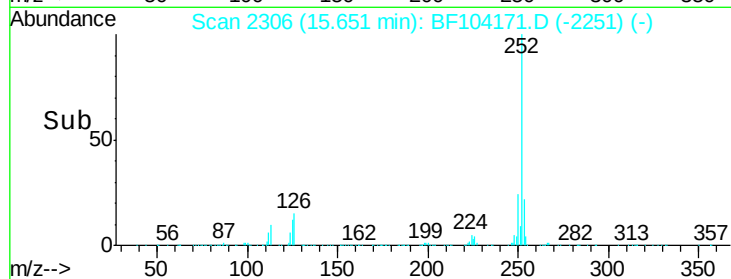
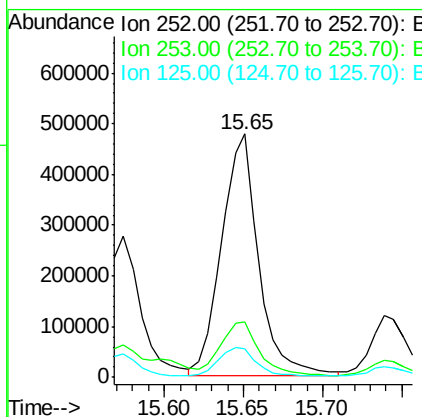
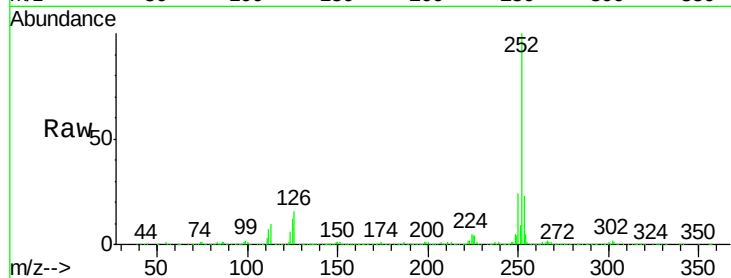




#89
Benzo(a)pyrene
Concen: 101.232 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.02 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

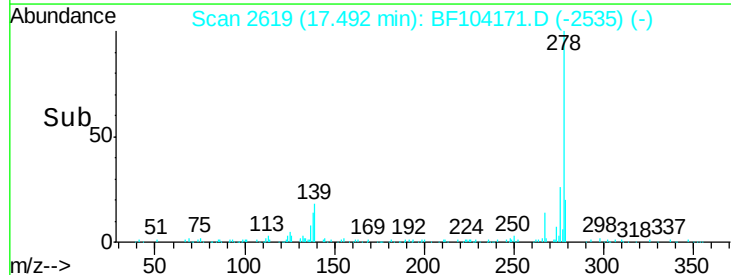
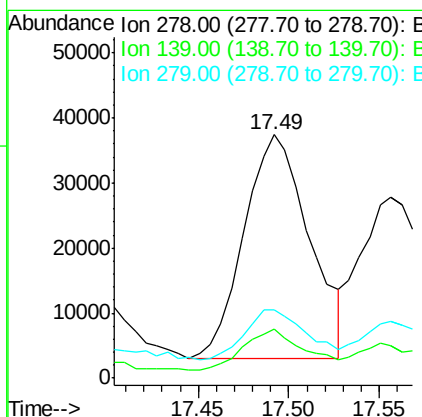
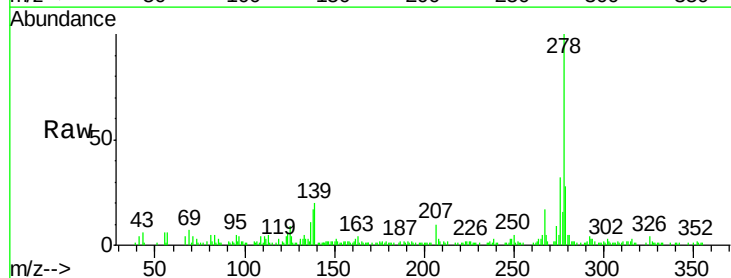
Instrument :
BNA_F
ClientSampleId :

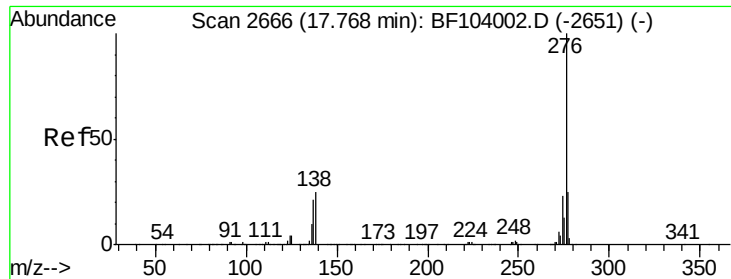
Tot Ion:252 Resp: 771259
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 11.9 9.8 14.6



#90
Dibenzo(a,h)anthracene
Concen: 12.193 ng
RT: 17.49 min Scan# 2619
Delta R.T. 0.19 min
Lab File: BF104171.D
Acq: 3 Apr 2018 9:39

Tgt Ion:278 Resp: 85887
Ion Ratio Lower Upper
278 100
139 20.0 15.9 23.9
279 27.9 19.0 28.4

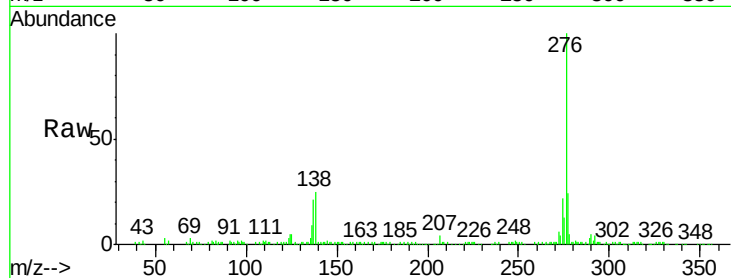




#91
 Benzo(a,h,i)perylene
 Concen: 40.947 ng
 RT: 17.79 min Scan# 2670
 Delta R.T. 0.02 min
 Lab File: BF104171.D
 Acq: 3 Apr 2018 9:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	25.2	21.8	32.8



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

