

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031618\
 Data File : BF103724.D
 Acq On : 17 Mar 2018 3:46
 Operator : JU/SJ
 Sample : J1946-01 5X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 19 06:59:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	146296	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	457941	20.00	ng	0.01
38) Acenaphthene-d10	10.02	164	236157	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	315775	20.00	ng	0.02
75) Chrysene-d12	14.17	240	227111	20.00	ng	0.02
86) Perylene-d12	15.72	264	221944	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	233305	24.26	ng	0.00
7) Phenol-d6	6.58	99	288113	24.48	ng	0.00
23) Nitrobenzene-d5	7.53	82	154644	23.55	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	36975	18.21	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	258682	17.47	ng	0.00
78) Terphenyl-d14	13.10	244	172124	17.59	ng	0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.53	77	46208	5.977	ng	# 1
18) Hexachloroethane	7.50	117	134795	33.231	ng	# 1
22) Acetophenone	7.36	105	35089	2.981	ng	# 62
24) Nitrobenzene	7.57	77	27706	3.594	ng	# 7
25) Isophorone	7.53	82	153797	10.117	ng	# 65
26) 2-Nitrophenol	7.86	139	1071	9.739	ng	# 1
27) 2,4-Dimethylphenol	7.90	122	13764	2.114	ng	# 84
31) Naphthalene	8.29	128	7821991	338.134	ng	# 97
32) Benzoic acid	8.01	122	3617	10.530	ng	# 1
33) 4-Chloroaniline	8.29	127	1133614	116.808	ng	# 32
35) Caprolactam	8.67	113	4152	2.035	ng	# 22
37) 2-Methylnaphthalene	8.99	142	3339169	227.622	ng	# 94
45) 1,1'-Biphenyl	9.43	154	1196135	60.742	ng	# 99
47) 2-Nitroaniline	9.53	65	17813	10.550	ng	# 25
48) Acenaphthylene	9.89	152	1886524	77.783	ng	# 94
49) Dimethylphthalate	9.72	163	40004	2.220	ng	# 73
50) 2,6-Dinitrotoluene	9.71	165	26388	10.926	ng	# 1
51) Acenaphthene	10.06	154	921323	63.976	ng	# 97
52) 3-Nitroaniline	9.96	138	689	3.966	ng	# 70
53) 2,4-Dinitrophenol	10.06	184	2228	10.959	ng	# 1
54) Dibenzofuran	10.22	168	308113	14.980	ng	# 84
55) 4-Nitrophenol	10.12	139	29055	13.231	ng	# 37
56) 2,4-Dinitrotoluene	10.19	165	49955	16.062	ng	# 66
57) Fluorene	10.57	166	1549135	97.063	ng	# 97
61) 4-Nitroaniline	10.57	138	18632	8.022	ng	# 31
64) 4,6-Dinitro-2-methylphenol	10.62	198	3474	11.349	ng	# 1
65) n-Nitrosodiphenylamine	10.67	169	89113	8.291	ng	# 62
70) Phenanthrene	11.56	178	3859713	223.446	ng	# 99
71) Anthracene	11.60	178	1620073	92.343	ng	# 98
72) Carbazole	11.74	167	138534	8.124	ng	# 92
74) Fluoranthene	12.74	202	1972440	110.838	ng	# 98
77) Pyrene	12.98	202	2771968	166.196	ng	# 98
80) Benzo(a)anthracene	14.16	228	1394299	96.987	ng	# 79
82) Chrysene	14.20	228	1397163	101.953	ng	# 94

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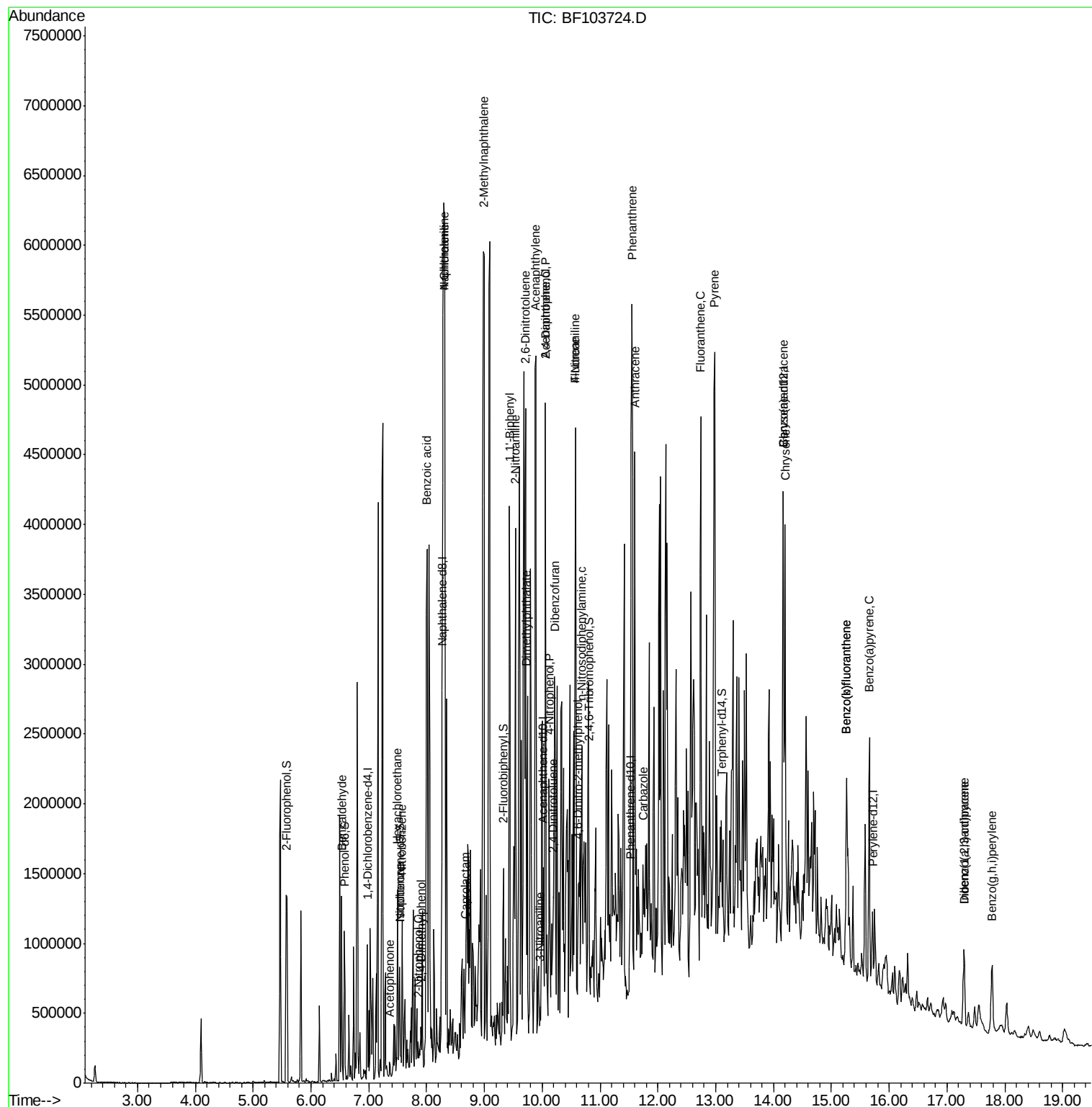
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) Indeno(1,2,3-cd)pyrene	17.30	276	355410	29.697	nq	95
87) Benzo(b)fluoranthene	15.26	252	1226854	87.496	nq #	92
88) Benzo(k)fluoranthene	15.26	252	1226854	91.021	nq	95
89) Benzo(a)pyrene	15.66	252	973952	76.581	nq	94
90) Dibenzo(a,h)anthracene	17.30	278	128873	11.702	nq #	89
91) Benzo(a,h,i)perylene	17.78	276	398719	37.217	nq	96

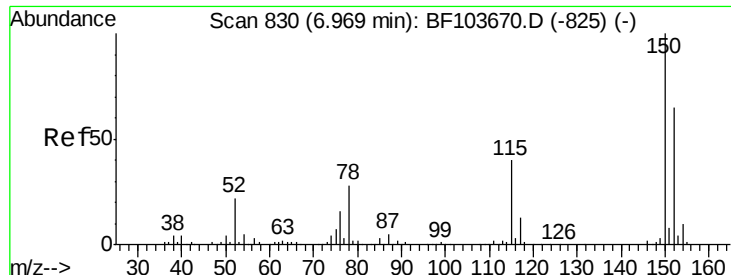
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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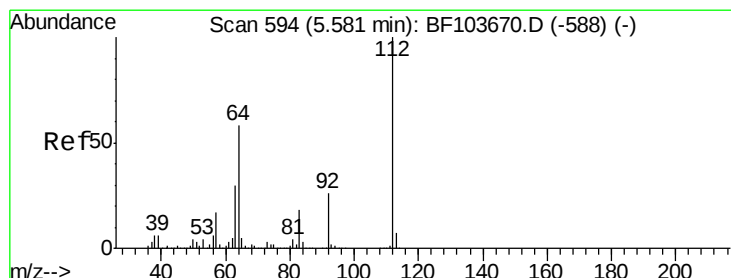
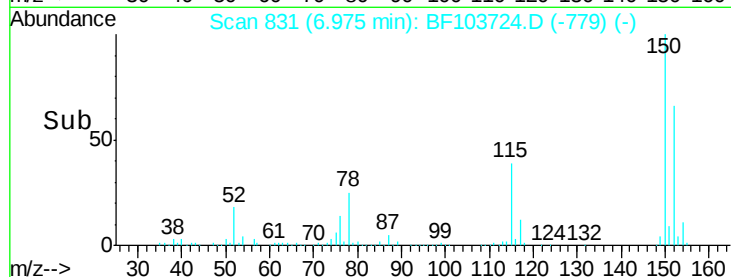
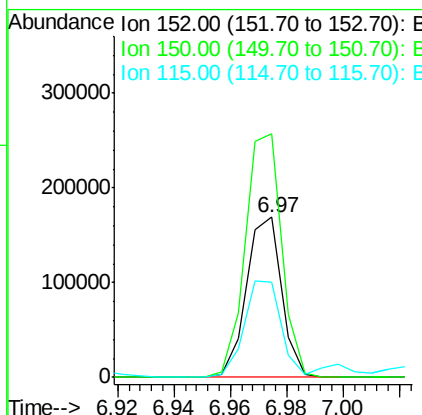
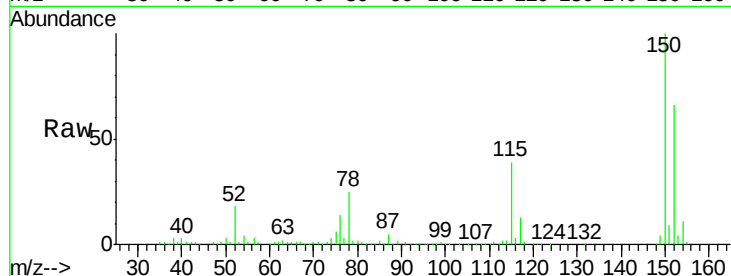


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Instrument :
BNA_F
ClientSampleId :

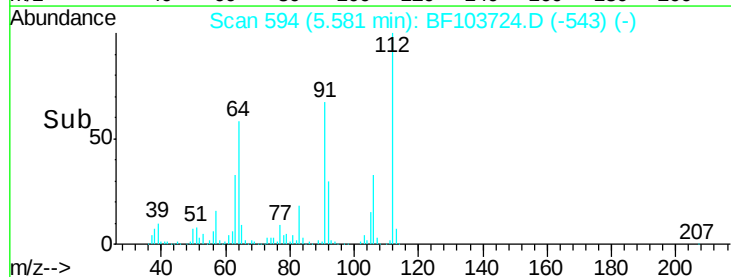
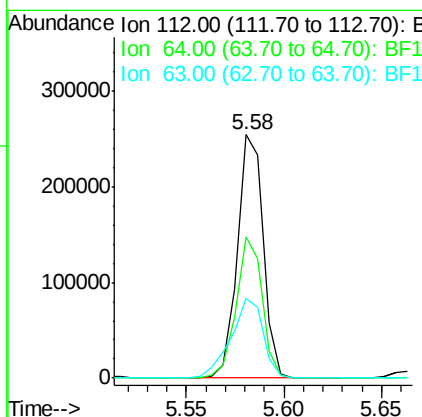
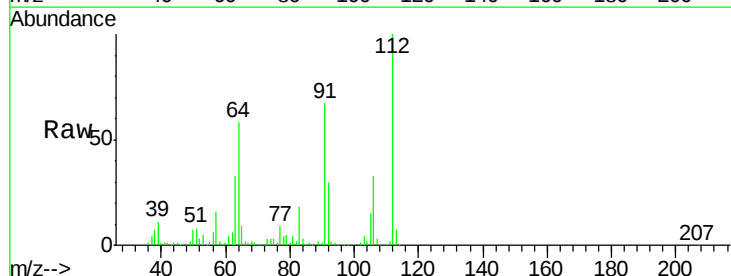
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	59.6	50.1	75.1

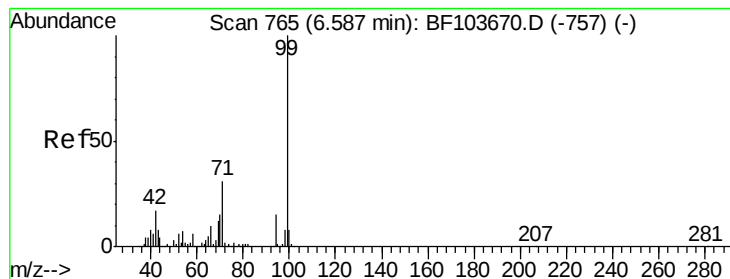


#5

2-Fluorophenol
Concen: 24.256 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.00 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.1	47.9	71.9
63	33.0	23.7	35.5





#7

Phenol-d6

Concen: 24.484 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

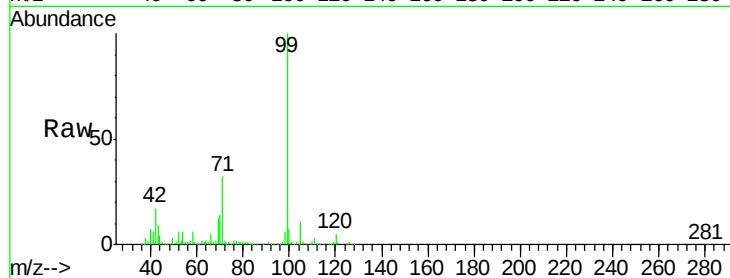
Tot Ion: 99 Resp: 288113

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

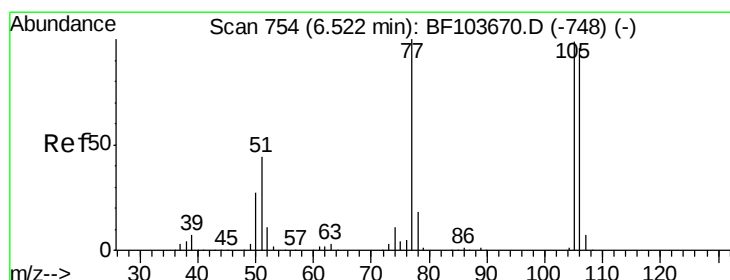
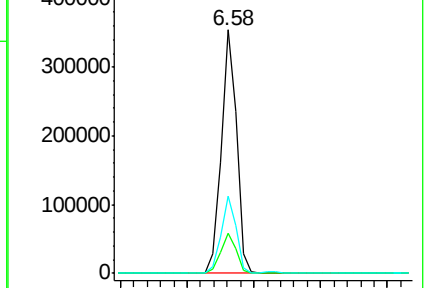
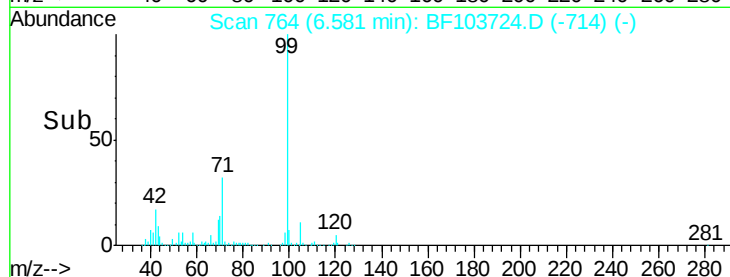
71 31.9 25.4 38.0



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



#9

Benzaldehyde

Concen: 5.977 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

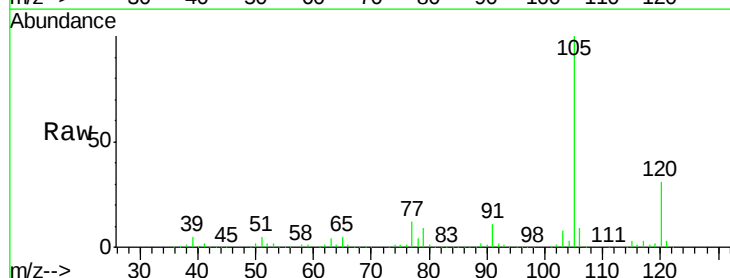
Tgt Ion: 77 Resp: 46208

Ion Ratio Lower Upper

77 100

105 855.4 81.1 121.1#

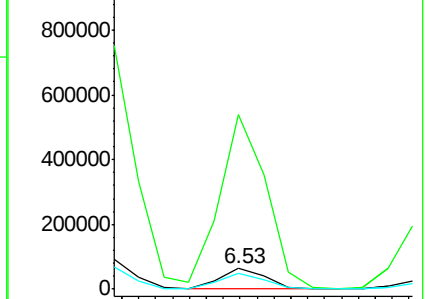
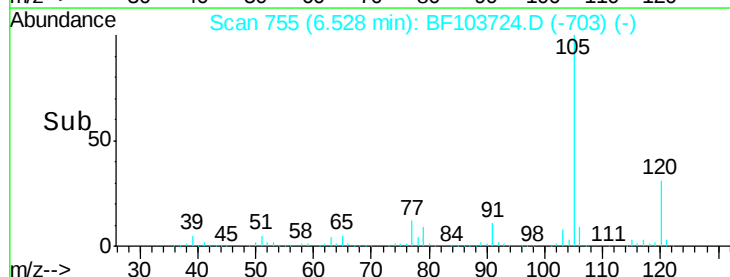
106 79.4 74.5 114.5

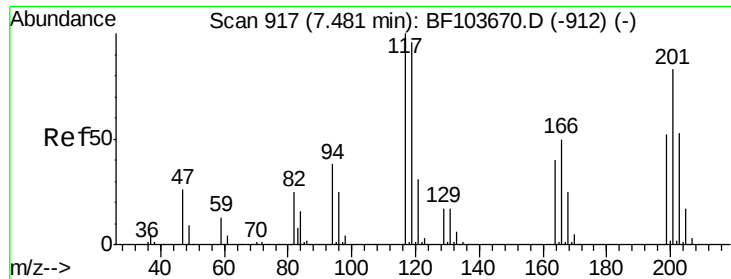


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

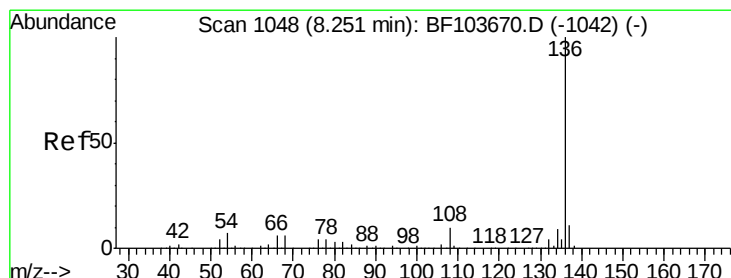
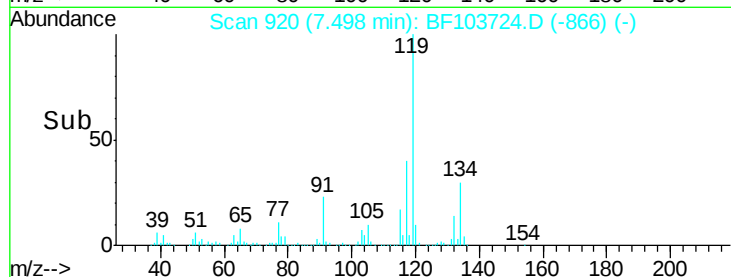
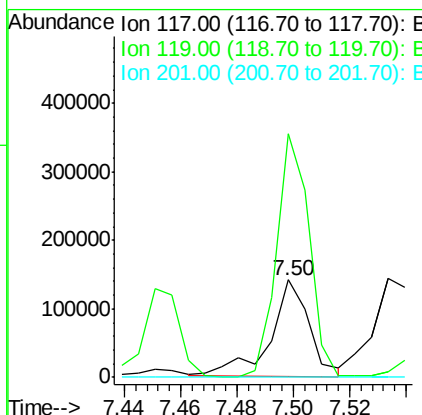
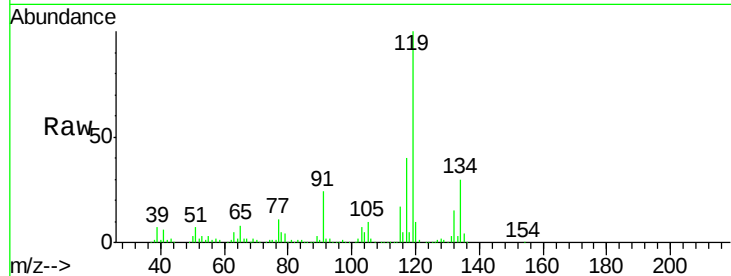




#18
Hexachloroethane
Concen: 33.231 ng
RT: 7.50 min Scan# 920
Delta R.T. 0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

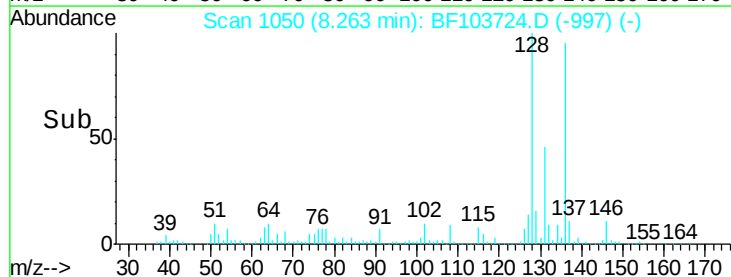
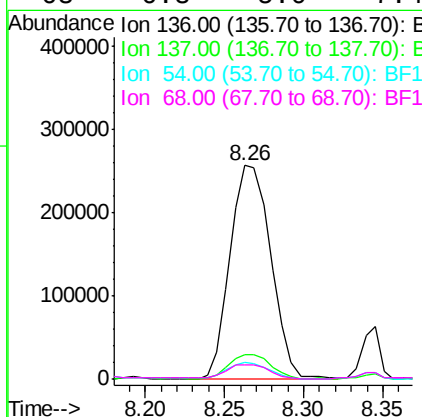
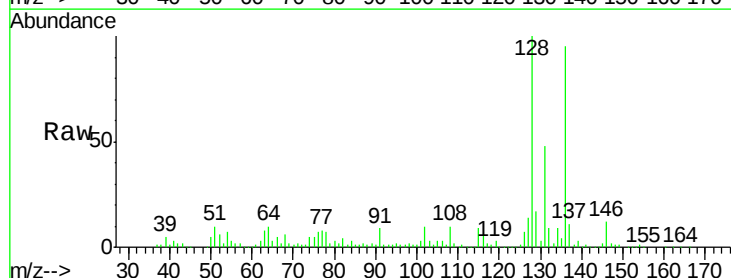
Instrument :
BNA_F
ClientSampled :

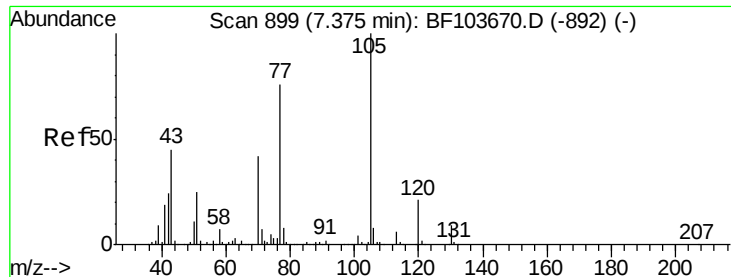
Tot Ion:117 Resp: 134795
Ion Ratio Lower Upper
117 100
119 250.1 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1050
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:136 Resp: 457941
Ion Ratio Lower Upper
136 100
137 11.7 8.9 13.3
54 7.7 6.6 9.8
68 6.8 5.0 7.4

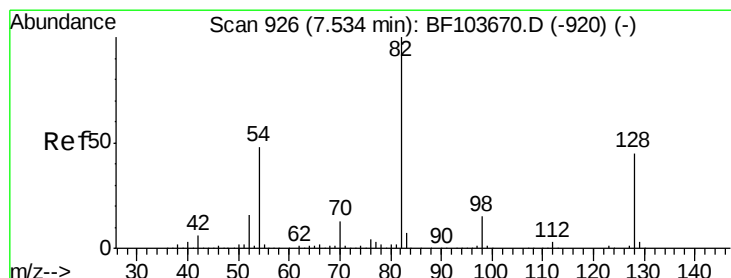
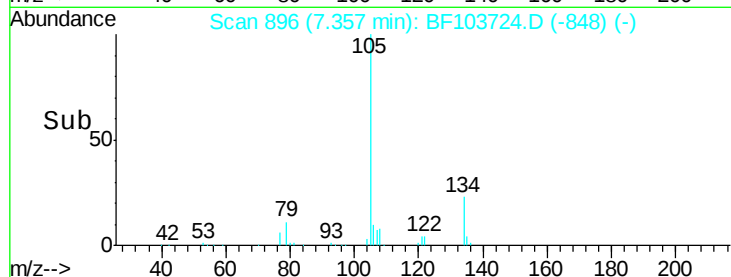
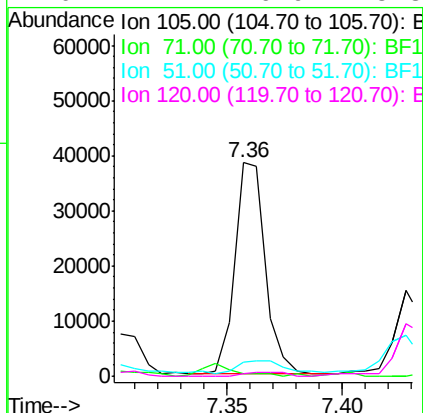
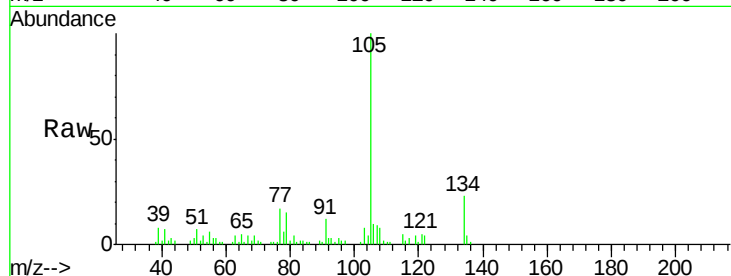




#22
Acetophenone
Concen: 2.981 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

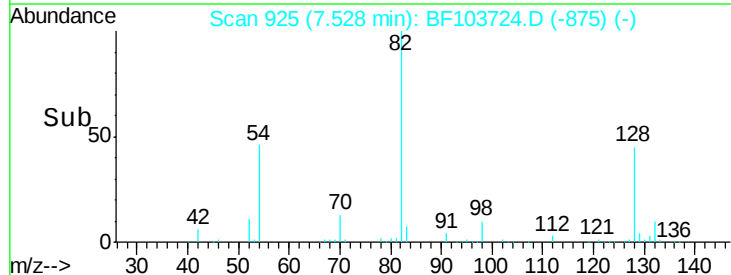
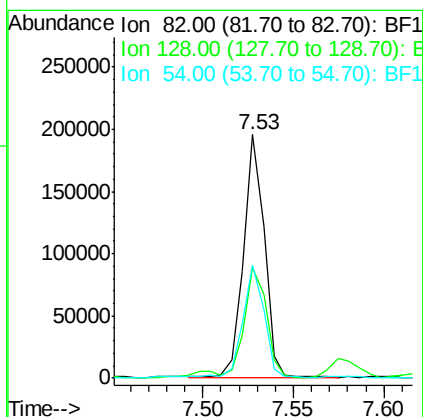
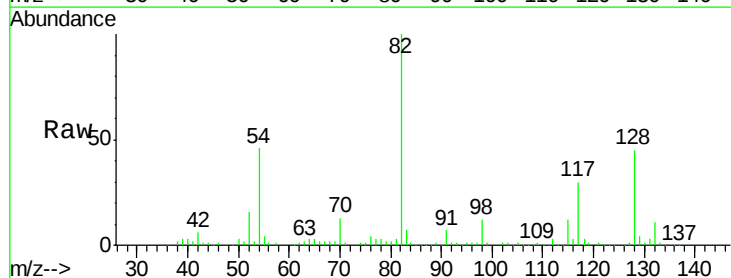
Instrument :
BNA_F
ClientSampleId :

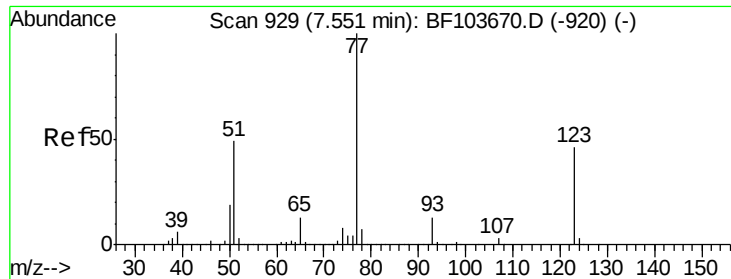
Tot Ion:105 Resp: 35089
Ion Ratio Lower Upper
105 100
71 1.1 4.4 6.6#
51 6.8 22.3 33.5#
120 1.4 16.9 25.3#



#23
Nitrobenzene-d5
Concen: 23.549 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion: 82 Resp: 154644
Ion Ratio Lower Upper
82 100
128 45.4 36.1 54.1
54 46.2 41.4 62.2





#24

Nitrobenzene

Concen: 3.594 ng

RT: 7.57 min Scan# 933

Delta R.T. 0.02 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

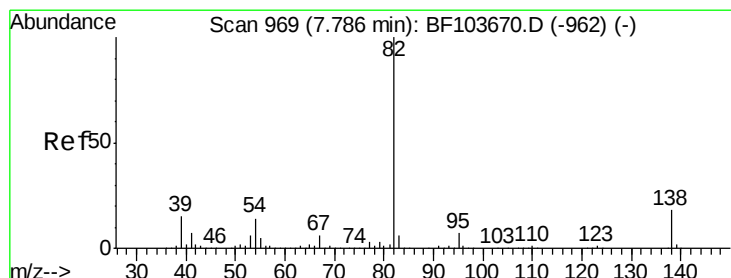
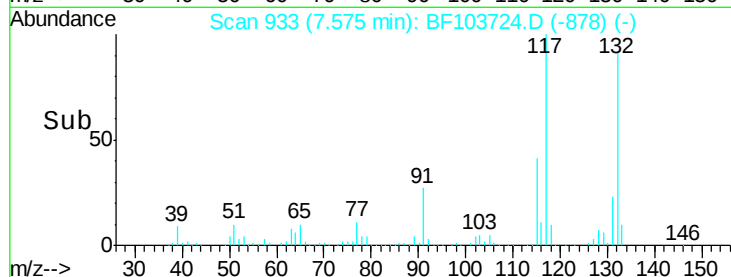
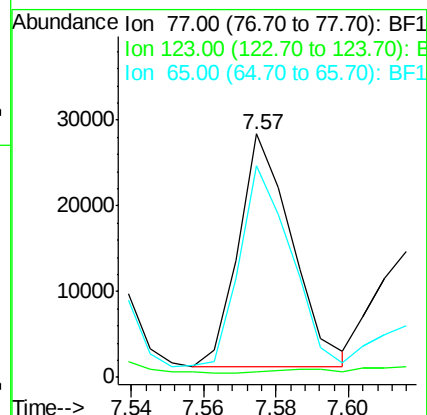
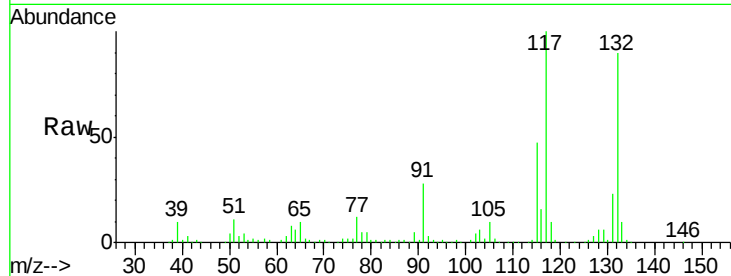
Tot Ion: 77 Resp: 27706

Ion Ratio Lower Upper

77 100

123 2.0 37.9 56.9#

65 86.8 11.0 16.4#



#25

Isophorone

Concen: 10.117 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.26 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

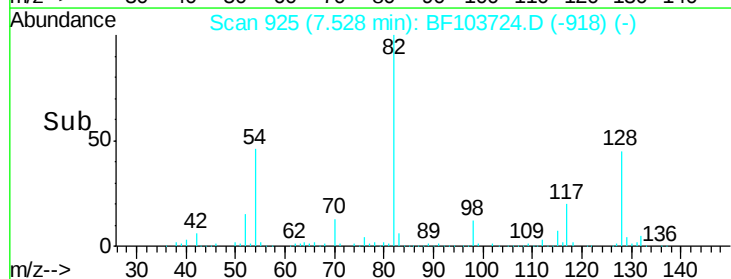
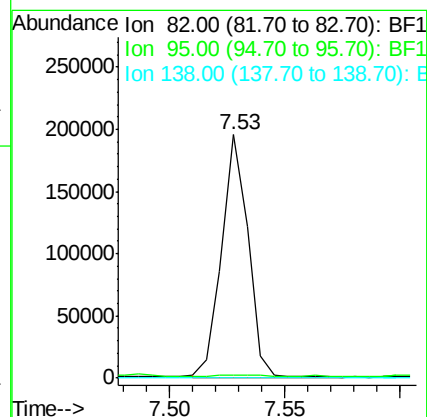
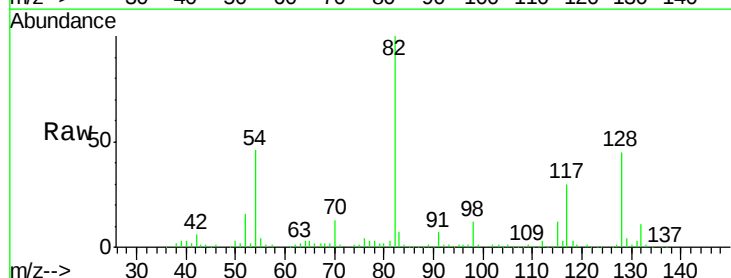
Tgt Ion: 82 Resp: 153797

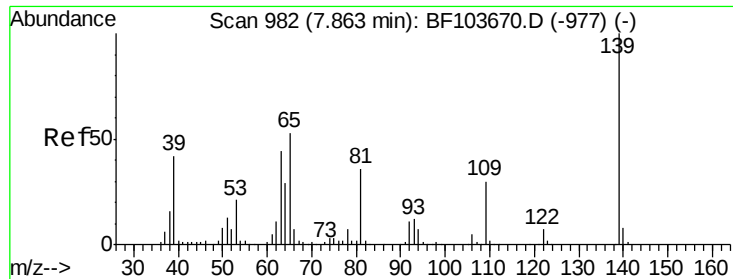
Ion Ratio Lower Upper

82 100

95 1.0 5.2 7.8#

138 0.0 14.9 22.3#

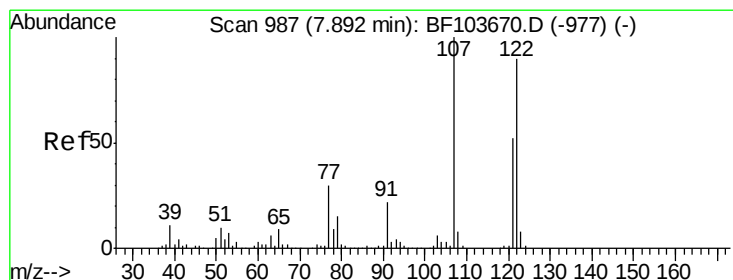
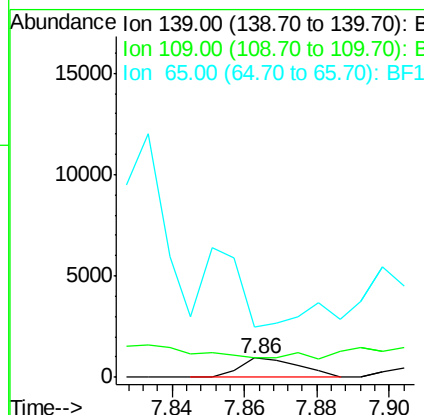
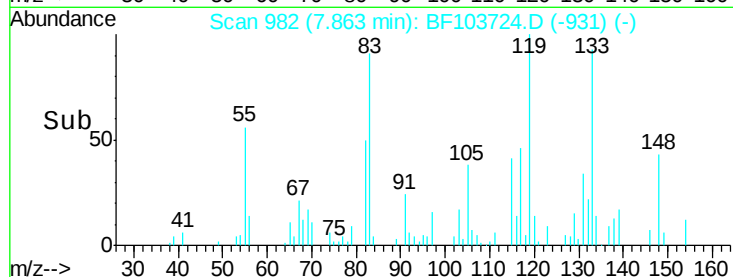
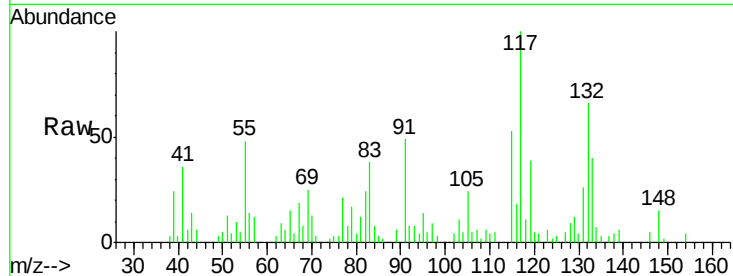




#26
2-Nitrophenol
Concen: 9.739 ng
RT: 7.86 min Scan# 982
Delta R.T. 0.00 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

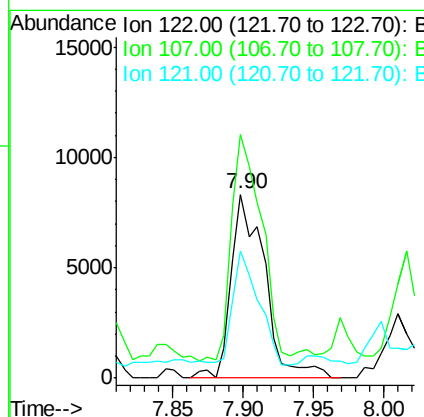
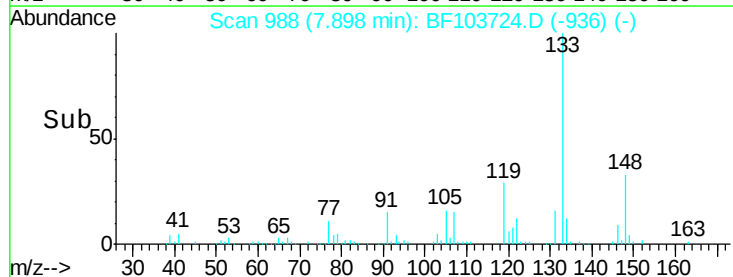
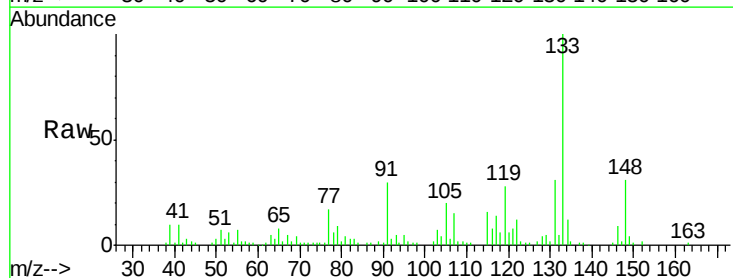
Instrument :
BNA_F
ClientSampleId :

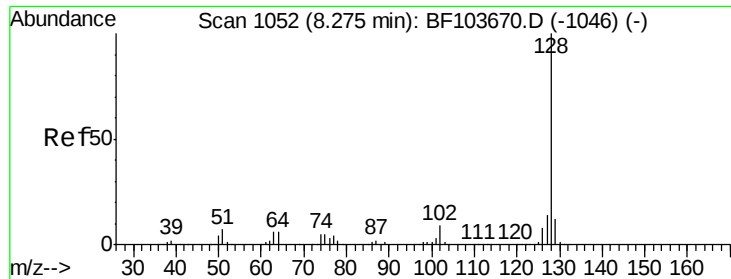
Tot Ion:139 Resp: 1071
Ion Ratio Lower Upper
139 100
109 102.4 22.7 34.1#
65 261.0 40.5 60.7#



#27
2,4-Dimethylphenol
Concen: 2.114 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:122 Resp: 13764
Ion Ratio Lower Upper
122 100
107 132.5 91.2 136.8
121 69.2 47.2 70.8

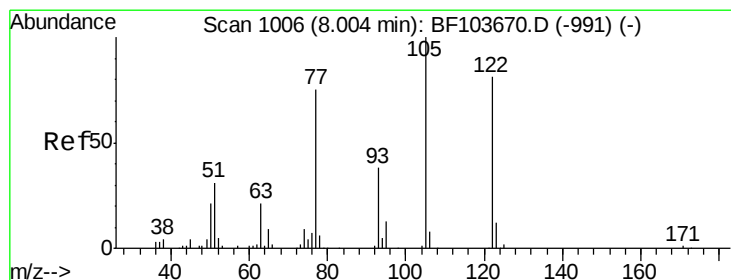
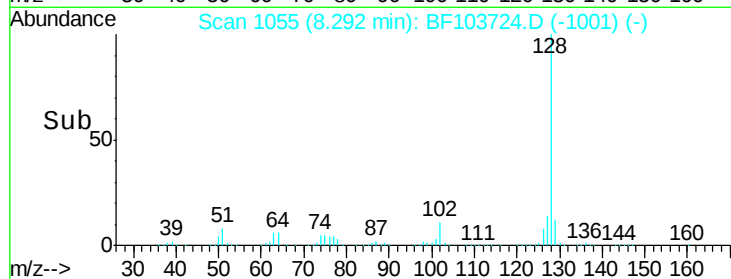
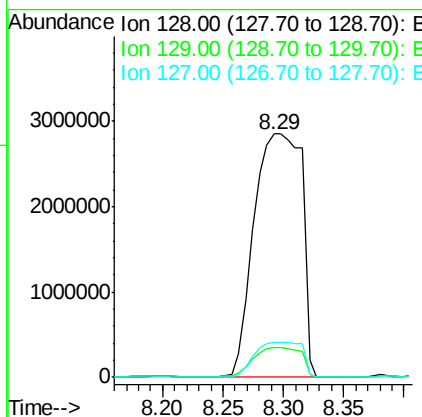
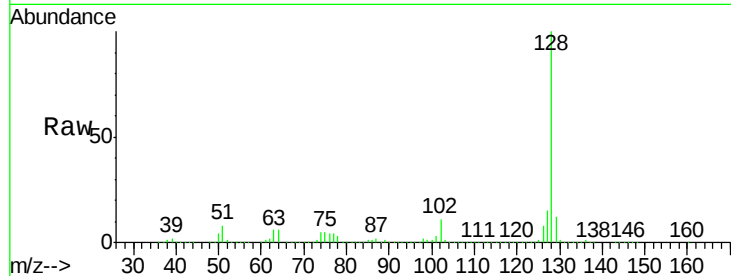




#31
Naphthalene
Concen: 338.134 ng
RT: 8.29 min Scan# 1055
Delta R.T. 0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

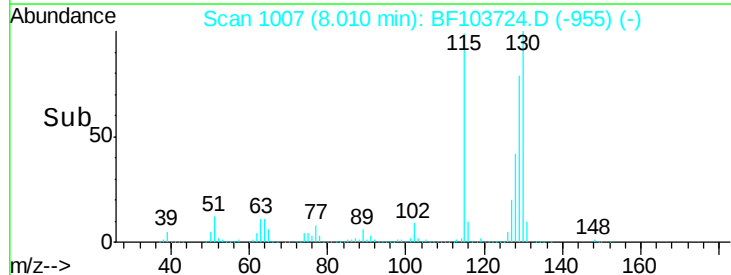
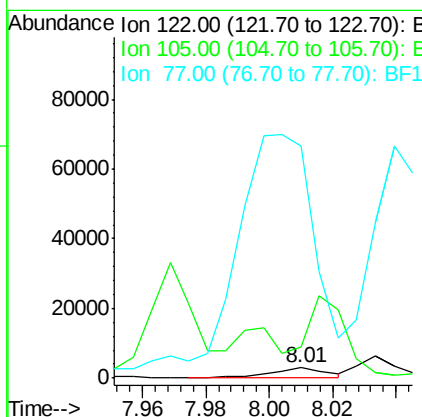
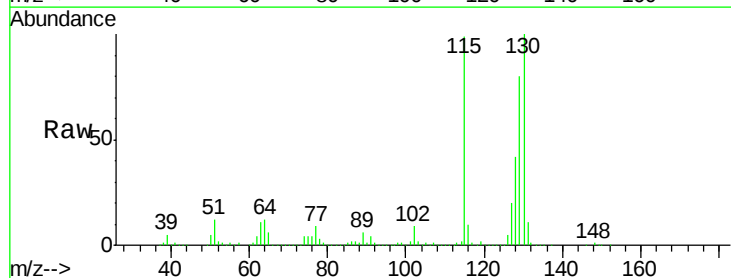
Instrument :
BNA_F
ClientSampleId :

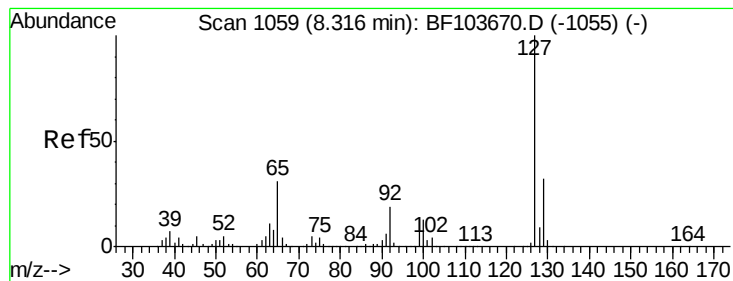
Tot Ion:128 Resp: 7821991
Ion Ratio Lower Upper
128 100
129 12.3 8.8 13.2
127 14.5 10.9 16.3



#32
Benzoic acid
Concen: 10.530 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:122 Resp: 3617
Ion Ratio Lower Upper
122 100
105 310.7 101.1 141.1#
77 2266.6 70.7 110.7#





#33

4-Chloroaniline

Concen: 116.808 ng

RT: 8.29 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127 Resp: 1133614

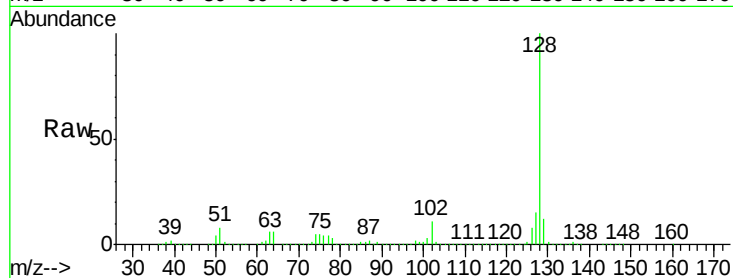
Ion Ratio Lower Upper

127 100

129 84.8 25.9 38.9#

65 0.0 25.0 37.4#

92 0.1 15.2 22.8#

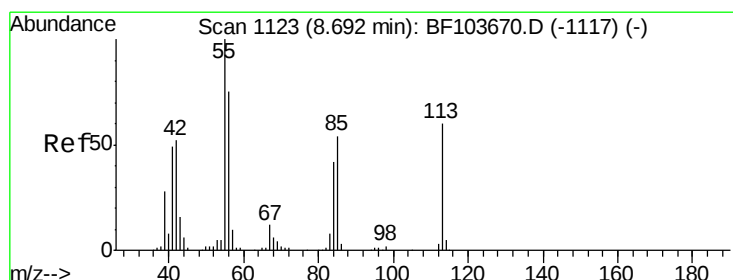
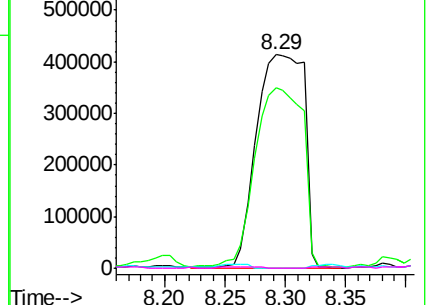
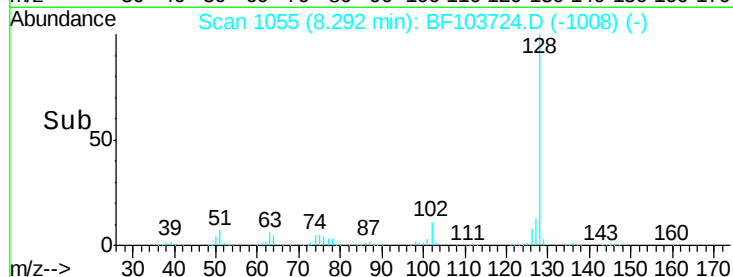


Abundance Ion 127.00 (126.70 to 127.70): E

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: 2.035 ng

RT: 8.67 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

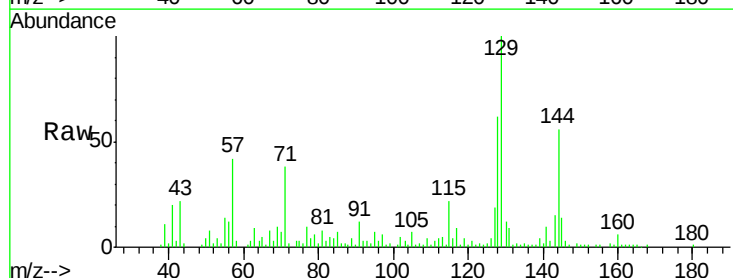
Tgt Ion:113 Resp: 4152

Ion Ratio Lower Upper

113 100

55 284.4 163.3 203.3#

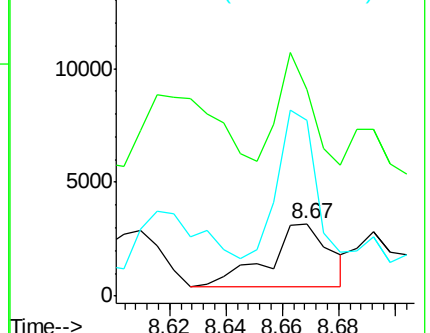
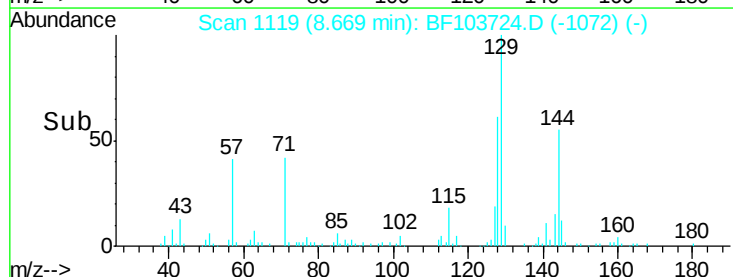
56 242.3 115.7 155.7#

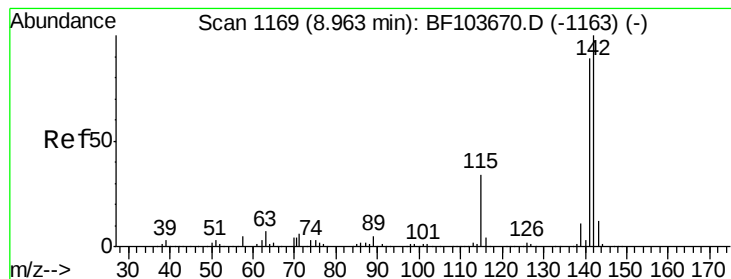


Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1

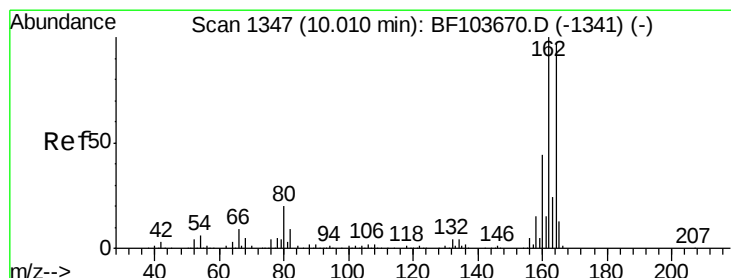
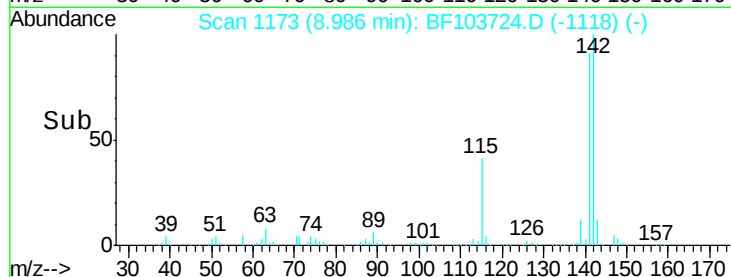
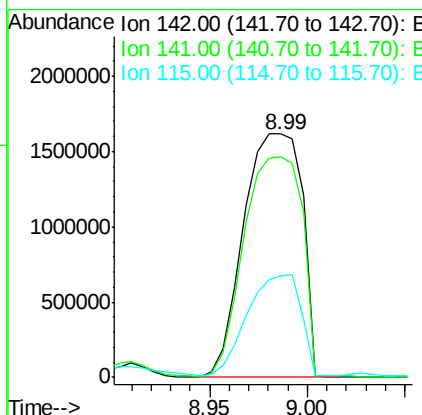
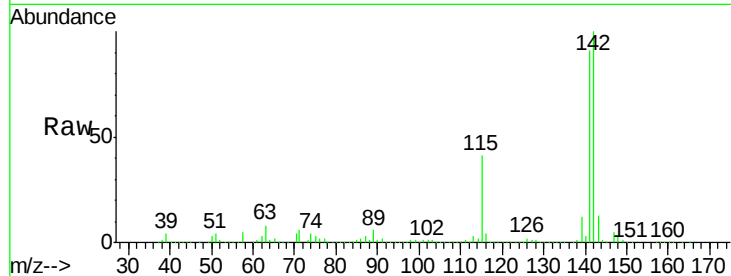




#37
2-Methylnaphthalene
Concen: 227.622 ng
RT: 8.99 min Scan# 1173
Delta R.T. 0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

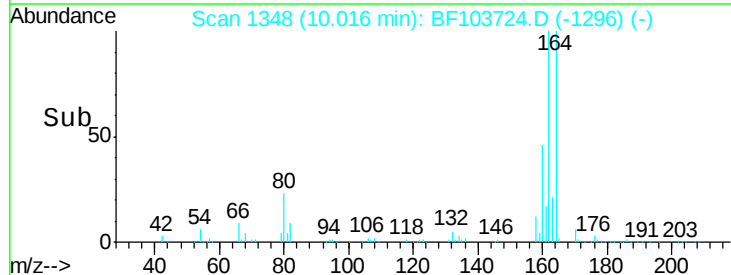
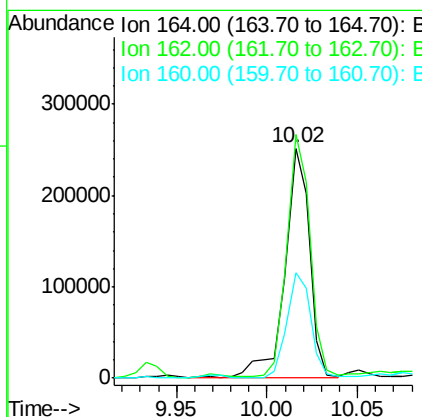
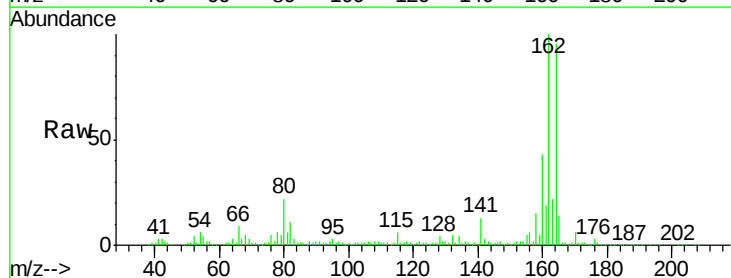
Instrument :
BNA_F
ClientSampleId :

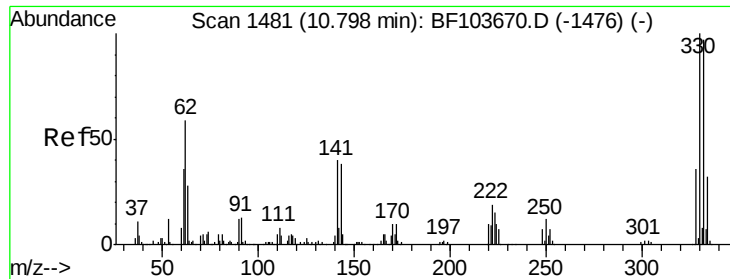
Tot Ion:142 Resp: 3339169
Ion Ratio Lower Upper
142 100
141 90.6 70.8 106.2
115 41.5 26.1 39.1#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:164 Resp: 236157
Ion Ratio Lower Upper
164 100
162 105.8 86.1 129.1
160 45.8 38.3 57.5

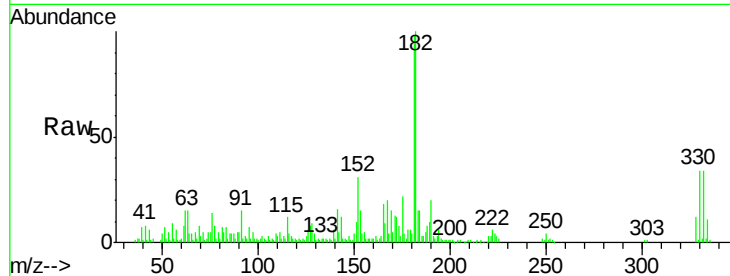




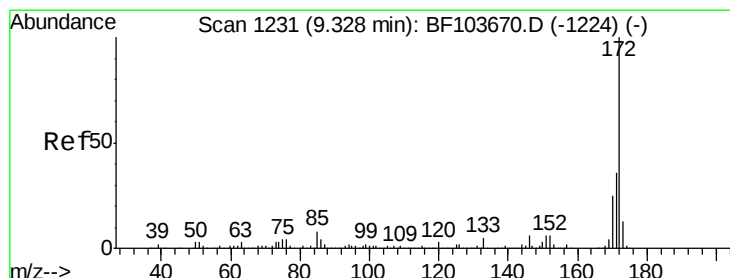
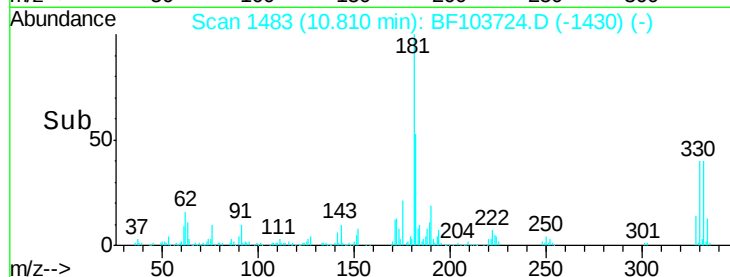
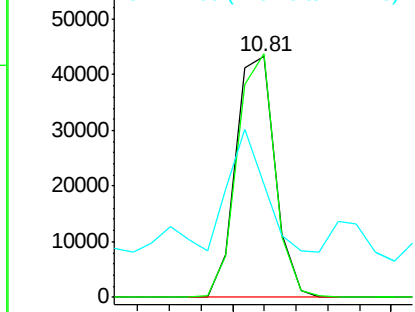
#41
 2,4,6-Tribromophenol
 Concen: 18.210 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103724.D
 Acq: 17 Mar 2018 3:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.0	115.6
141	55.1	29.9	44.9

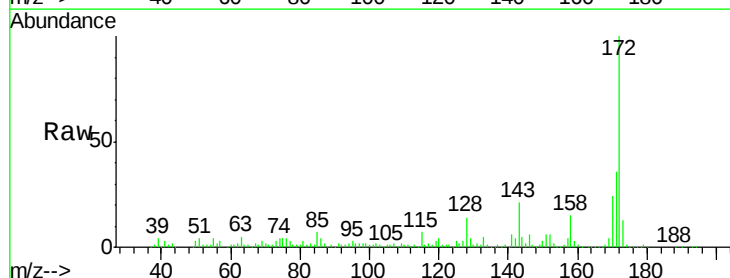


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

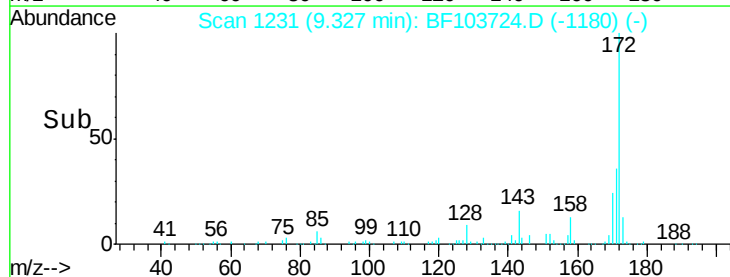
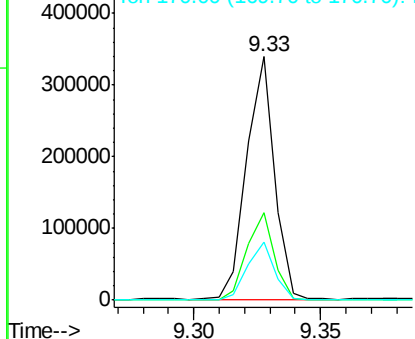


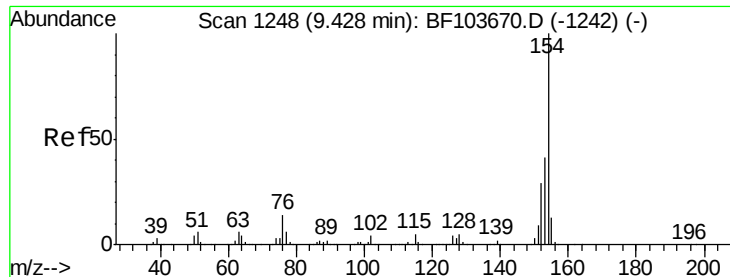
#44
 2-Fluorobiphenyl
 Concen: 17.473 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: BF103724.D
 Acq: 17 Mar 2018 3:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.9	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

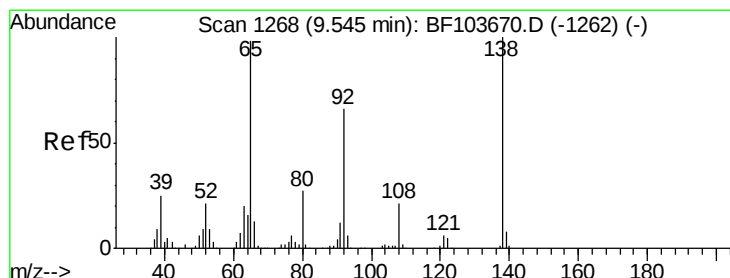
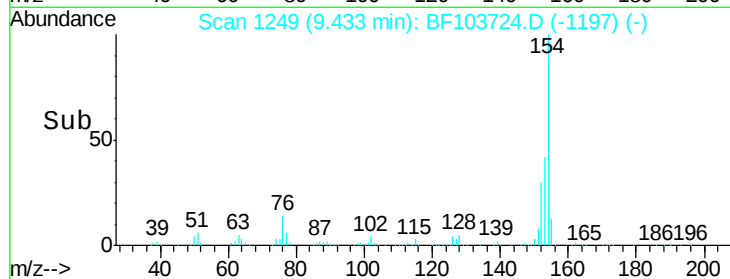
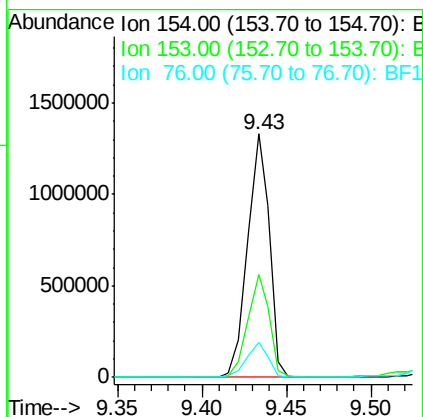
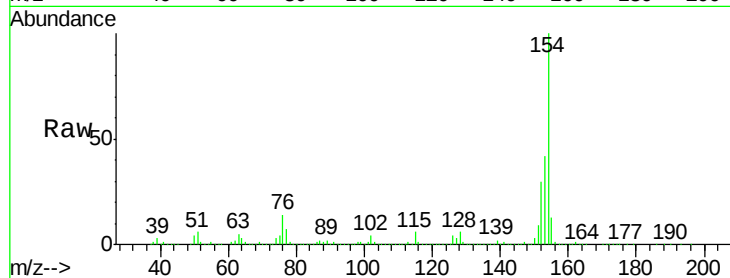




#45
1,1'-Biphenyl
Concen: 60.742 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

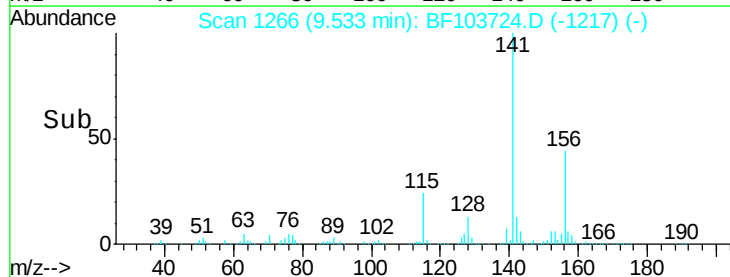
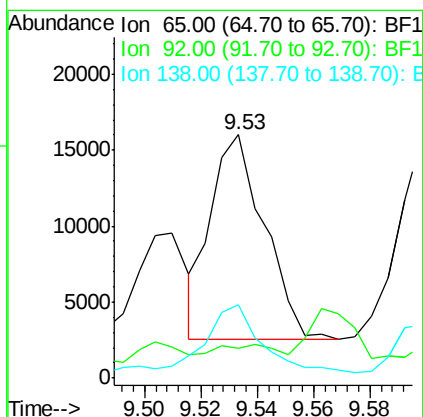
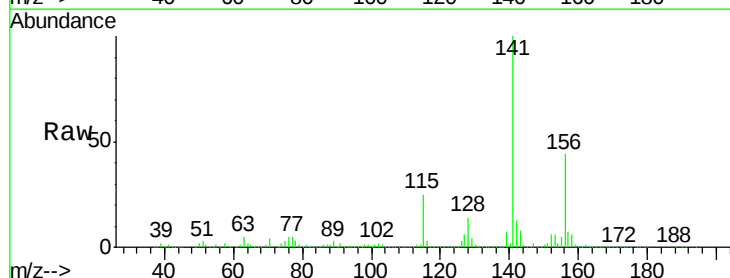
Instrument :
BNA_F
ClientSampleId :

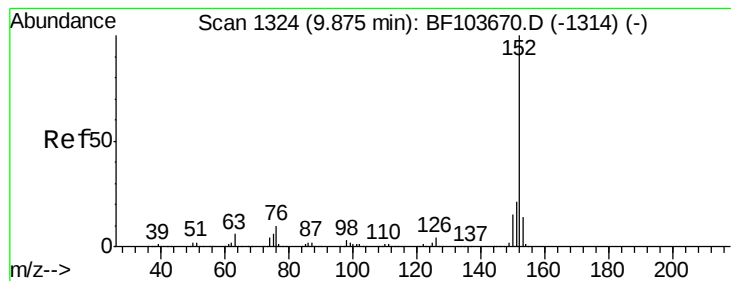
Tot Ion:154 Resp: 1196135
Ion Ratio Lower Upper
154 100
153 42.2 21.3 61.3
76 14.1 0.0 34.0



#47
2-Nitroaniline
Concen: 10.550 ng
RT: 9.53 min Scan# 1266
Delta R.T. -0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion: 65 Resp: 17813
Ion Ratio Lower Upper
65 100
92 12.2 55.8 83.6#
138 30.2 91.2 136.8#





#48

Acenaphthylene

Concen: 77.783 ng

RT: 9.89 min Scan# 1326

Delta R.T. 0.01 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

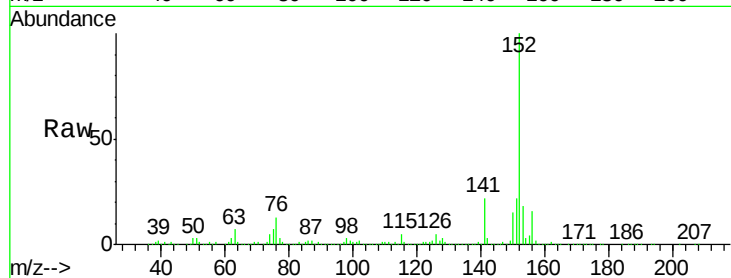
Tot Ion:152 Resp: 1886524

Ion Ratio Lower Upper

152 100

151 21.5 16.3 24.5

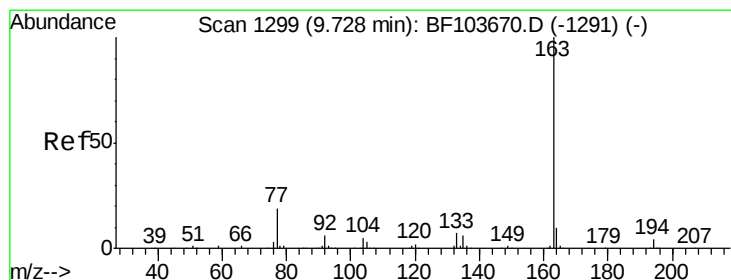
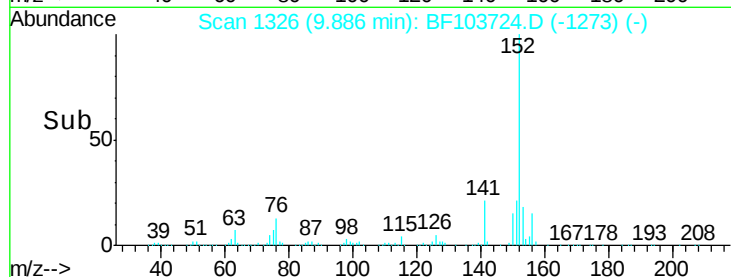
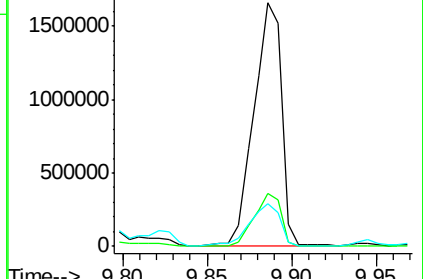
153 17.7 10.7 16.1#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.220 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

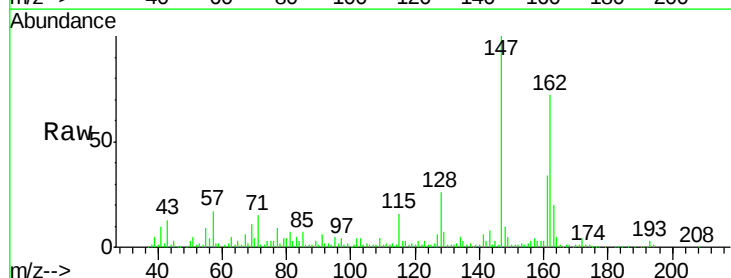
Tgt Ion:163 Resp: 40004

Ion Ratio Lower Upper

163 100

194 4.5 2.7 4.1#

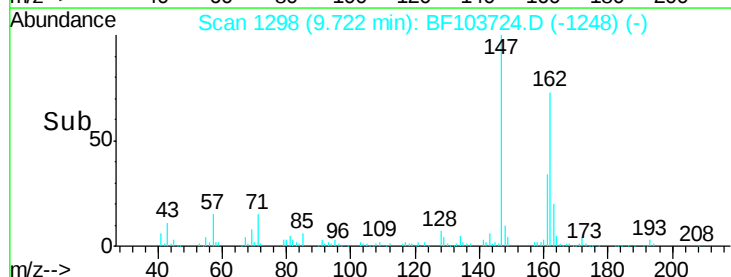
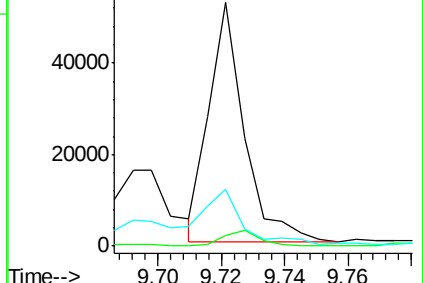
164 23.2 8.2 12.2#

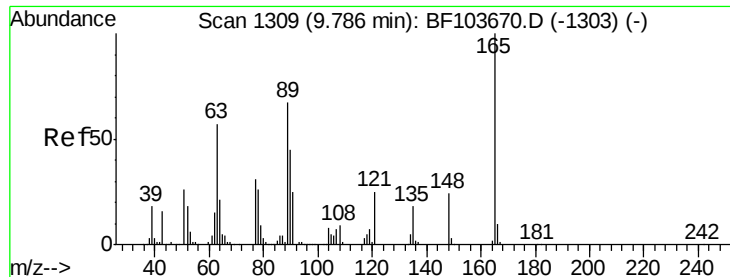


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

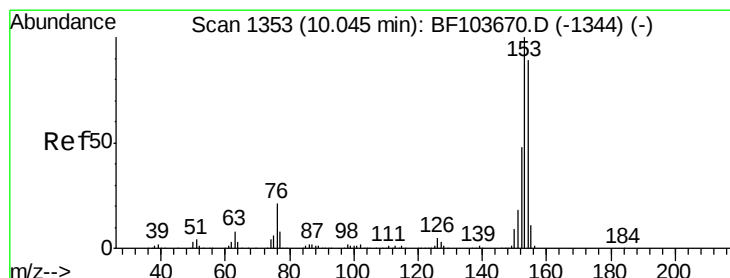
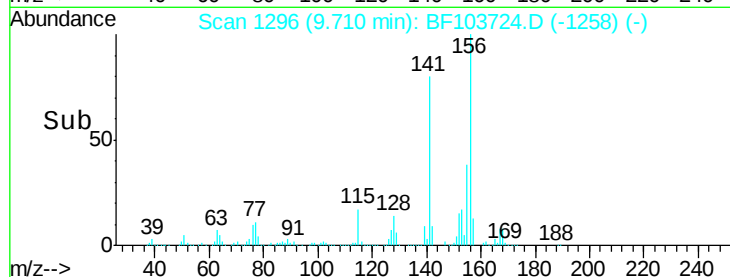
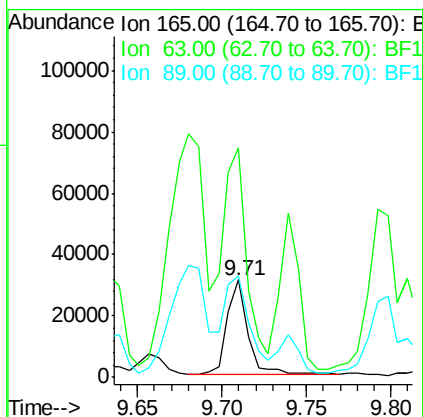
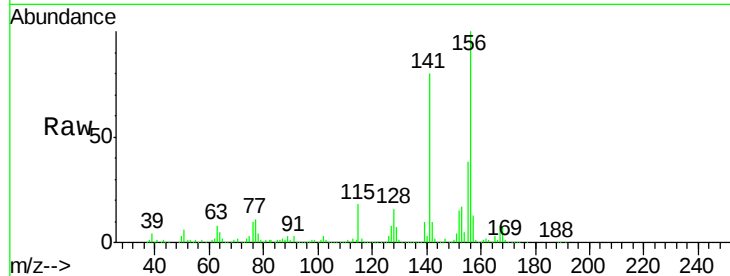




#50
2,6-Dinitrotoluene
Concen: 10.926 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.08 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

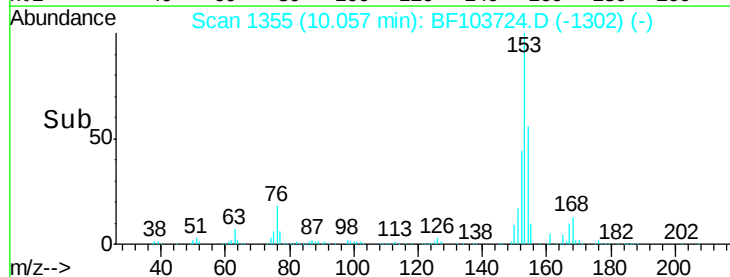
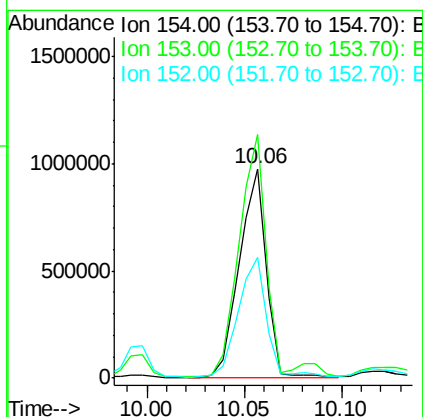
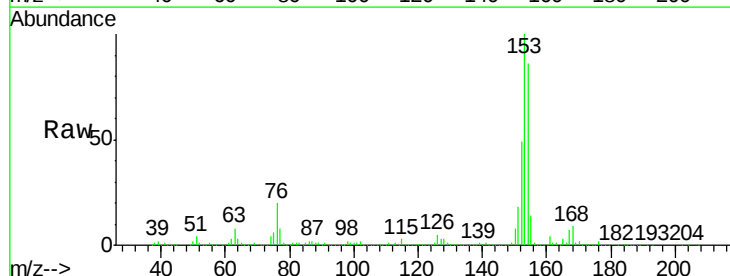
Instrument :
BNA_F
ClientSampleId :

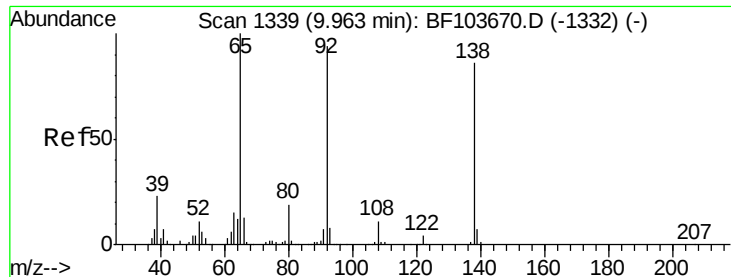
Tot Ion:165 Resp: 26388
Ion Ratio Lower Upper
165 100
63 236.0 44.7 67.1#
89 104.4 44.0 66.0#



#51
Acenaphthene
Concen: 63.976 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:154 Resp: 921323
Ion Ratio Lower Upper
154 100
153 116.2 91.2 136.8
152 57.5 43.8 65.8

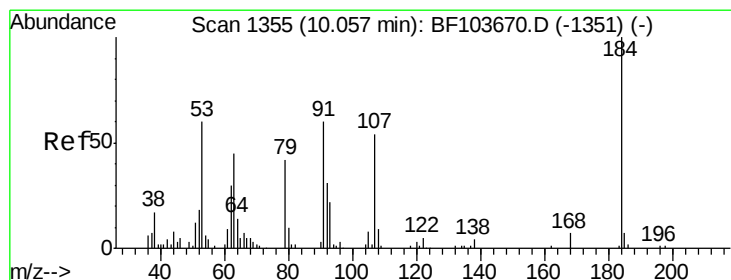
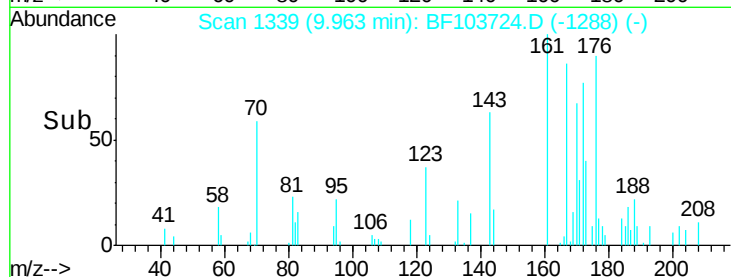
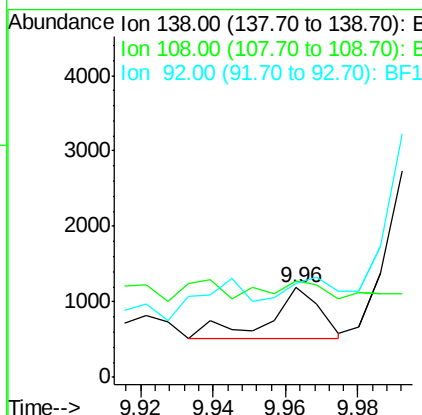
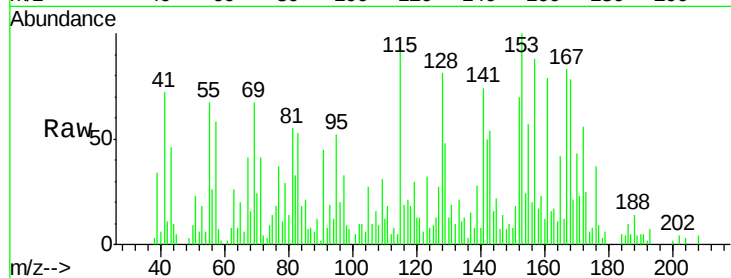




#52
3-Nitroaniline
Concen: 3.966 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

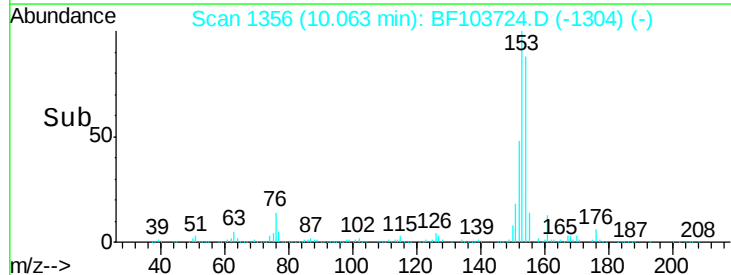
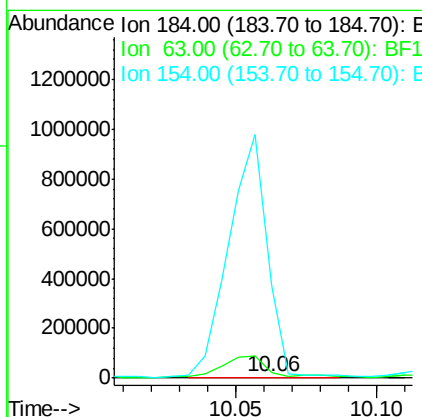
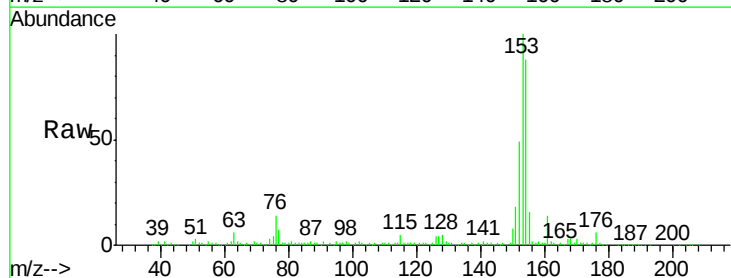
Instrument :
BNA_F
ClientSampled :

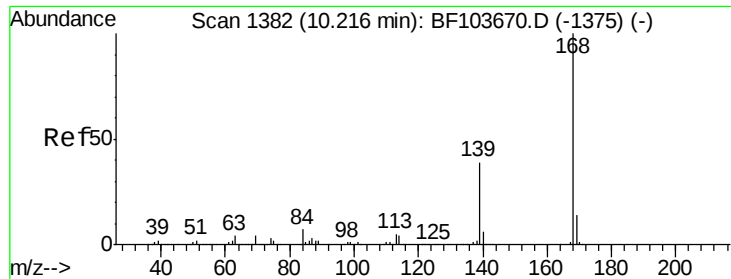
Tot Ion:138 Resp: 689
Ion Ratio Lower Upper
138 100
108 106.7 9.4 14.0#
92 103.8 89.4 134.2



#53
2,4-Dinitrophenol
Concen: 10.959 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:184 Resp: 2228
Ion Ratio Lower Upper
184 100
63 1350.5 54.2 81.2#
154 20231.1 184.0 276.0#





#54

Dibenzofuran

Concen: 14.980 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.01 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

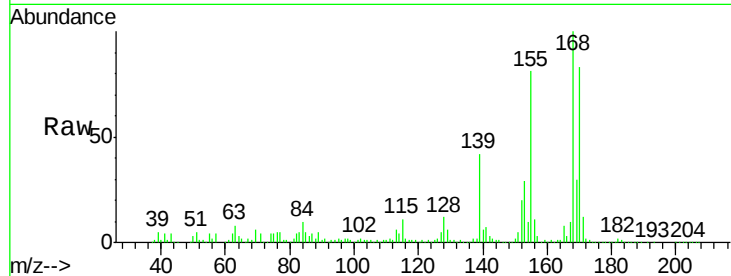
Tot Ion:168 Resp: 308113

Ion Ratio Lower Upper

168 100

139 41.7 30.1 45.1

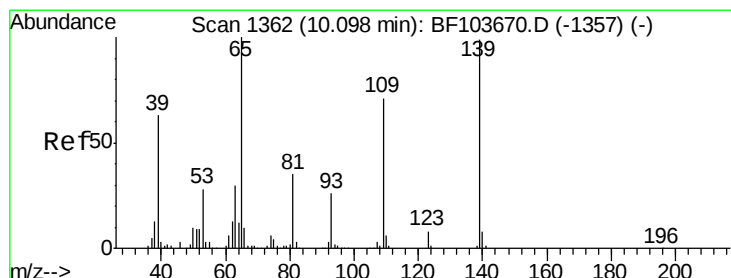
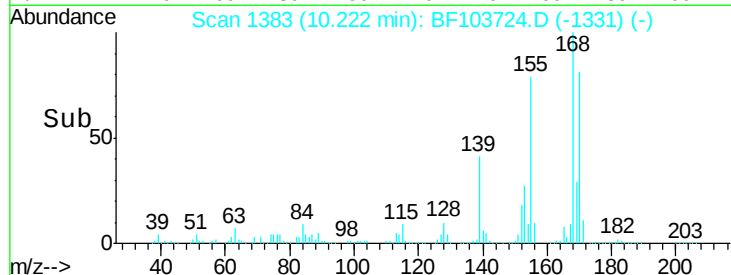
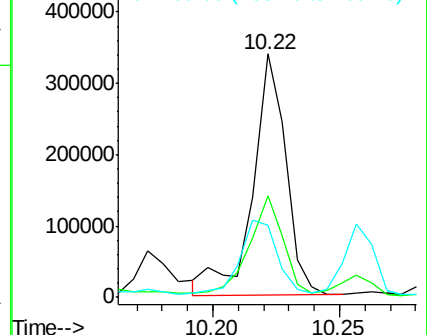
169 29.5 10.9 16.3#



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: 13.231 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.02 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

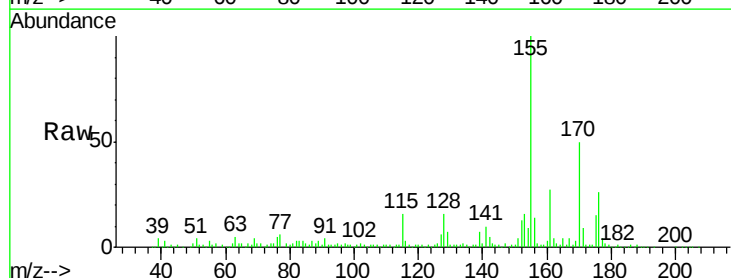
Tgt Ion:139 Resp: 29055

Ion Ratio Lower Upper

139 100

109 19.2 48.4 88.4#

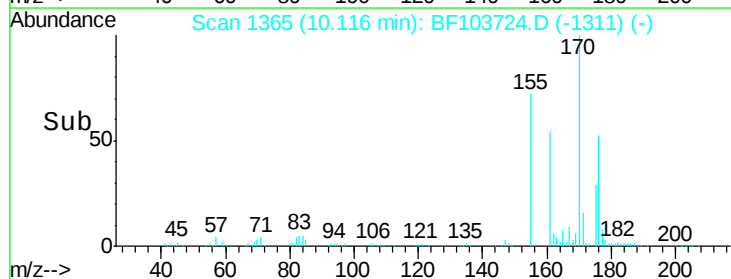
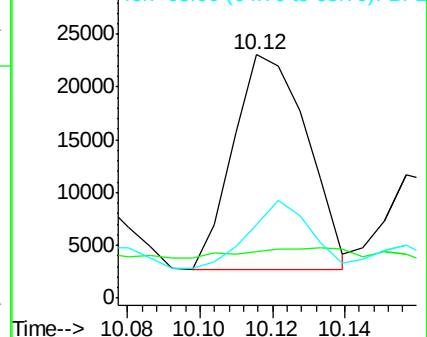
65 30.3 72.6 112.6#

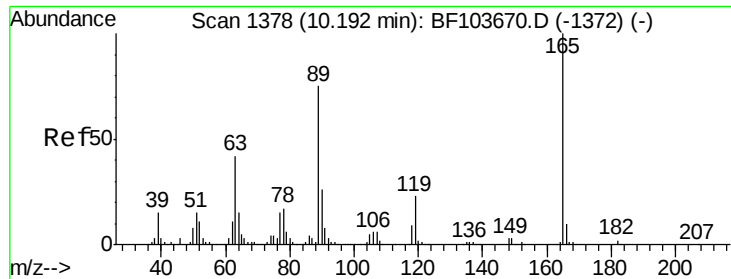


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

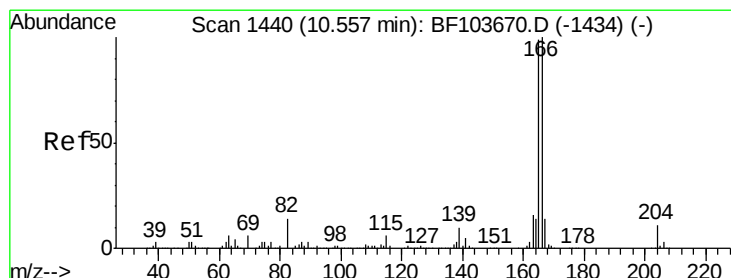
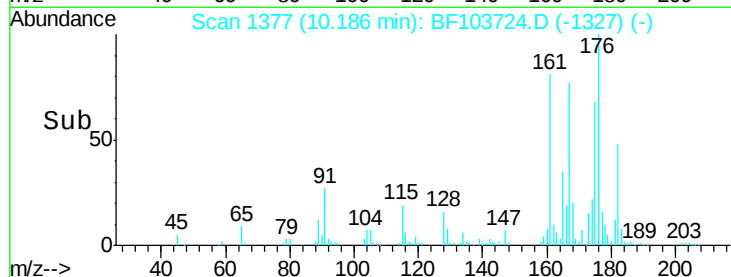
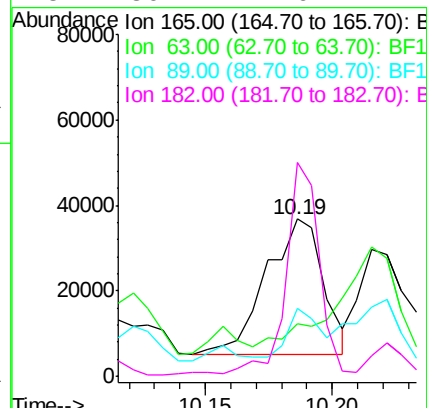
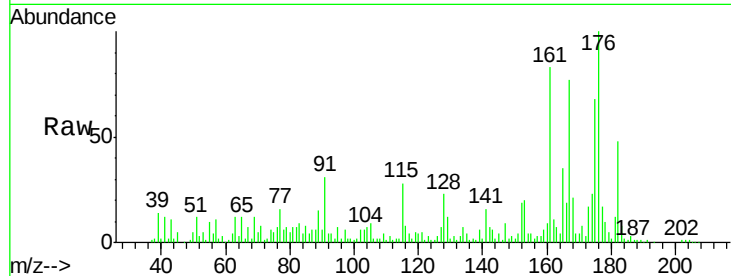




#56
2,4-Dinitrotoluene
Concen: 16.062 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

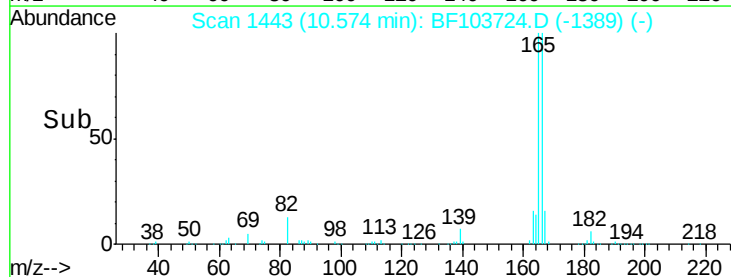
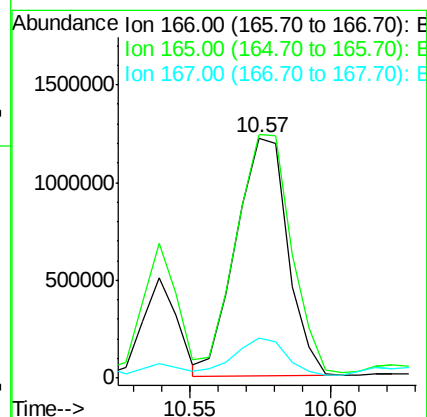
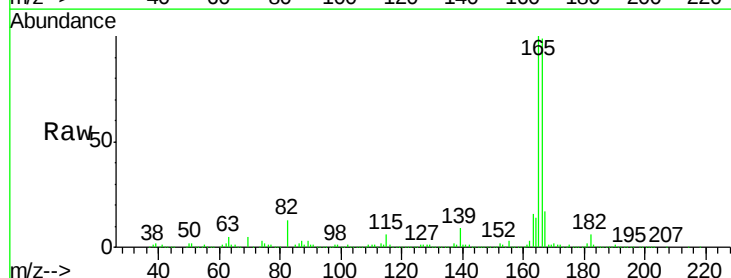
Instrument :
BNA_F
ClientSampleId :

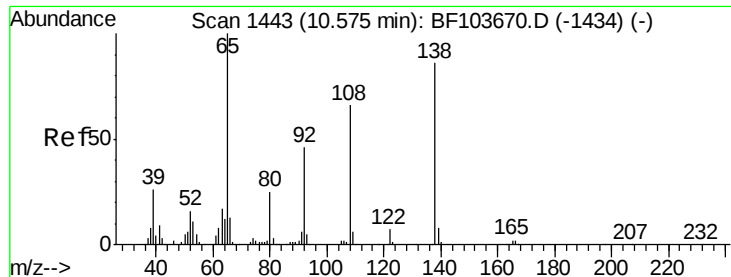
Tot Ion	Ratio	Lower	Upper
165	100		
63	33.5	36.4	54.6#
89	43.1	57.8	86.6#
182	136.1	1.6	2.4#



#57
Fluorene
Concen: 97.063 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.5	79.8	119.8
167	17.0	10.6	16.0#

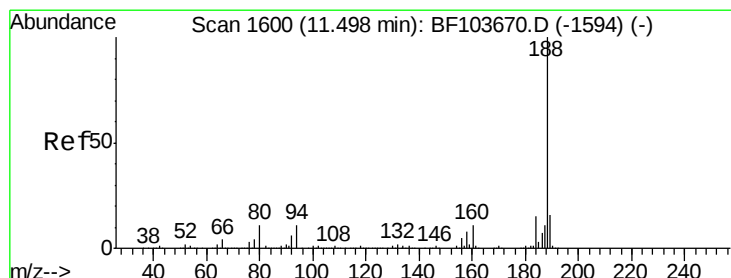
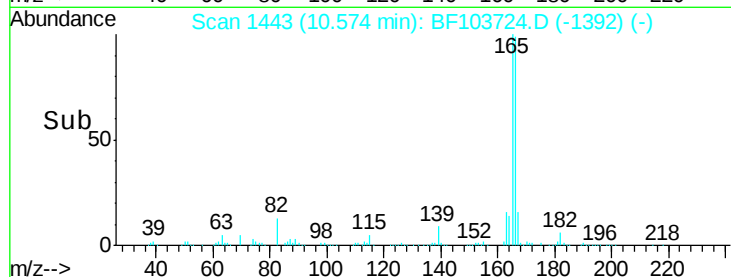
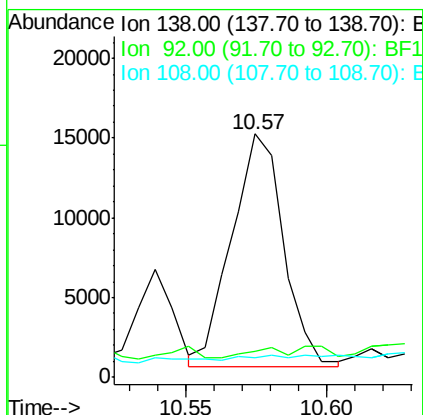
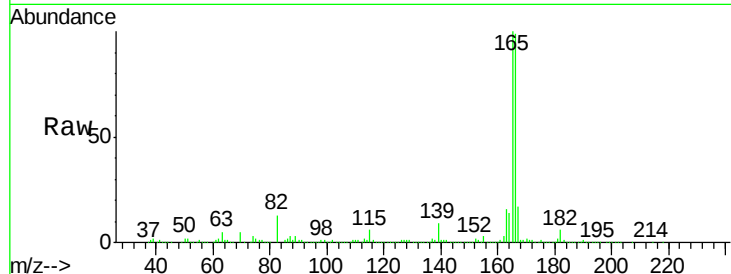




#61
4-Nitroaniline
Concen: 8.022 ng
RT: 10.57 min Scan# 1443
Delta R.T. 0.00 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

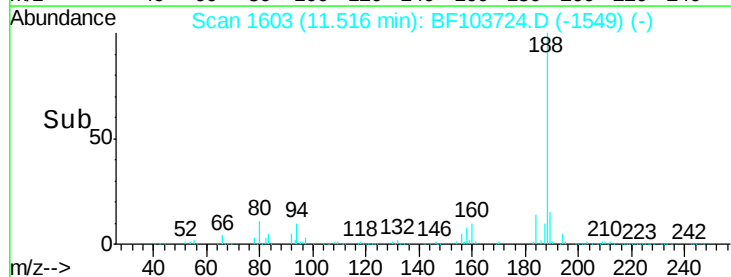
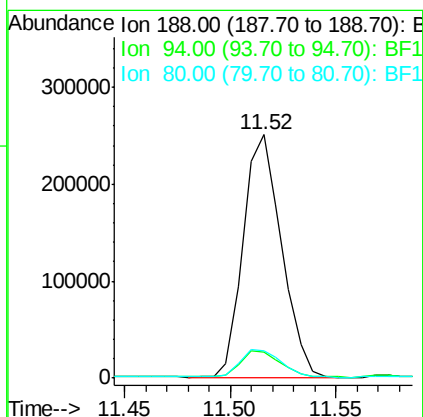
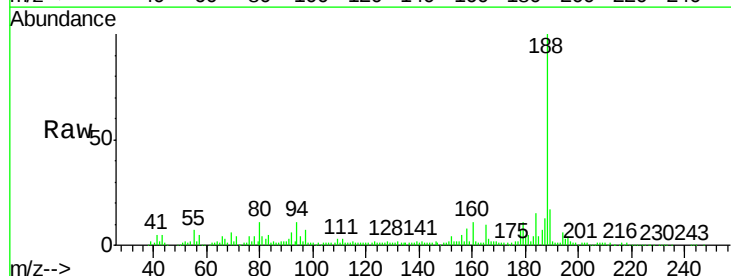
Instrument :
BNA_F
ClientSampleId :

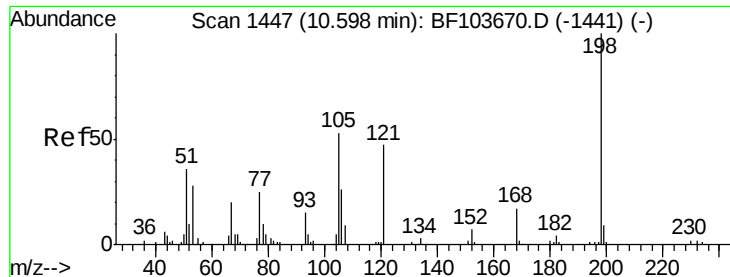
Tot Ion:138 Resp: 18632
Ion Ratio Lower Upper
138 100
92 10.7 30.2 70.2#
108 8.3 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:188 Resp: 315775
Ion Ratio Lower Upper
188 100
94 10.8 8.5 12.7
80 11.4 9.2 13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 11.349 ng

RT: 10.62 min Scan# 1451

Delta R.T. 0.02 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

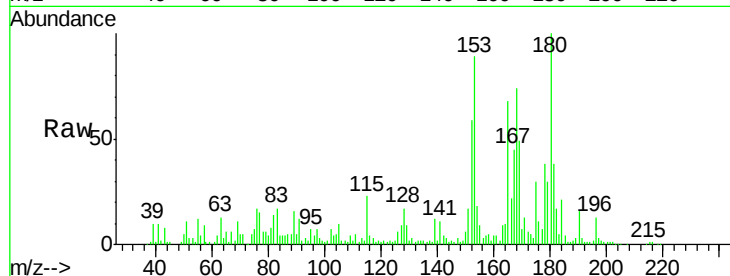
Tot Ion:198 Resp: 3474

Ion Ratio Lower Upper

198 100

51 471.1 37.7 77.7#

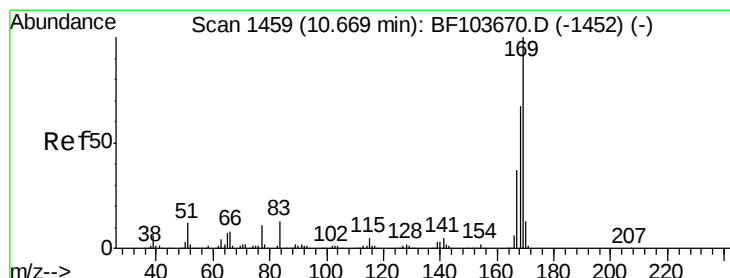
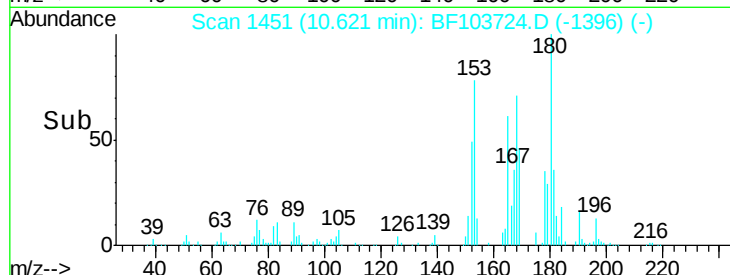
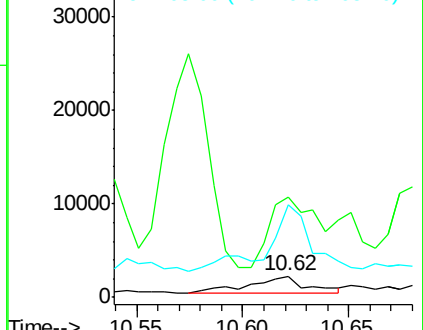
105 433.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 8.291 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.01 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

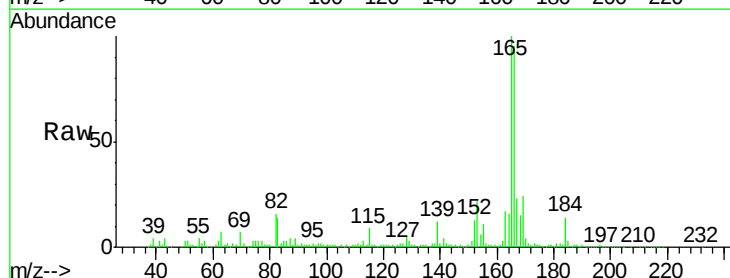
Tgt Ion:169 Resp: 89113

Ion Ratio Lower Upper

169 100

168 63.6 54.4 81.6

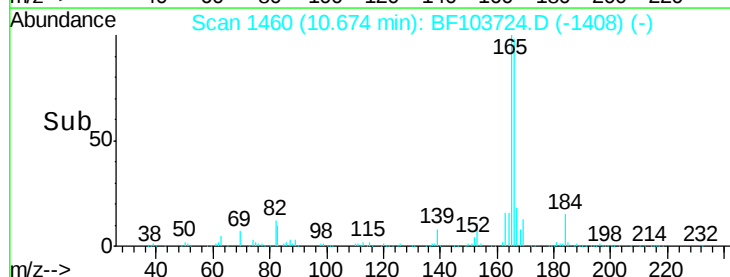
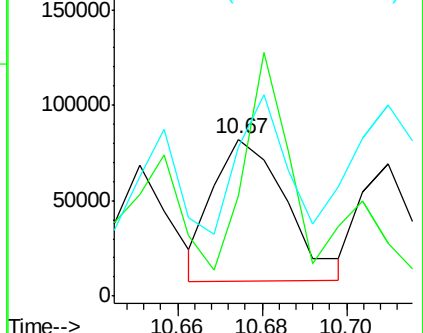
167 94.7 29.8 44.6#

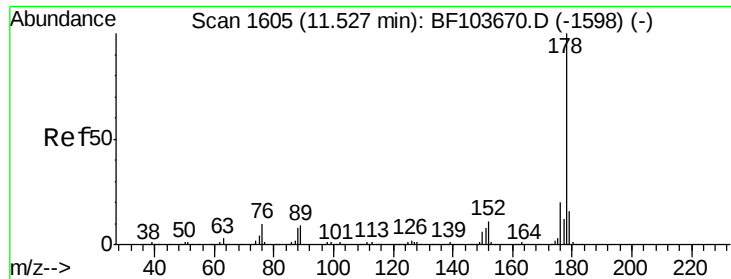


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

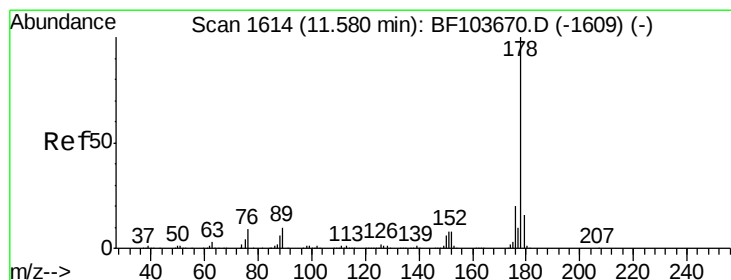
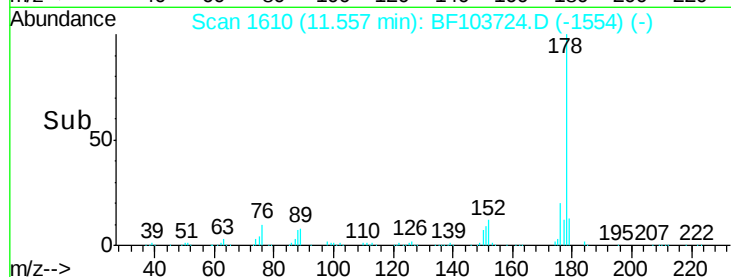
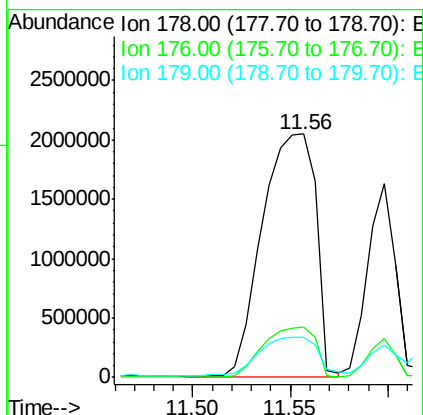
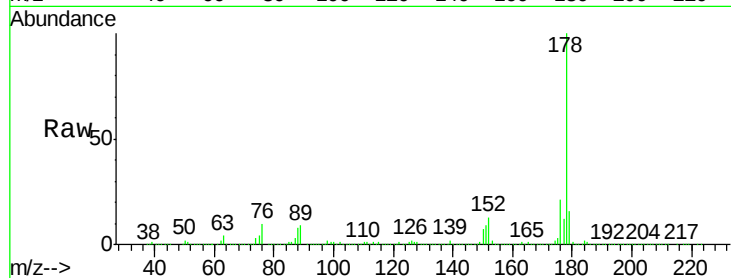




#70
Phenanthrene
Concen: 223.446 ng
RT: 11.56 min Scan# 1610
Delta R.T. 0.03 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

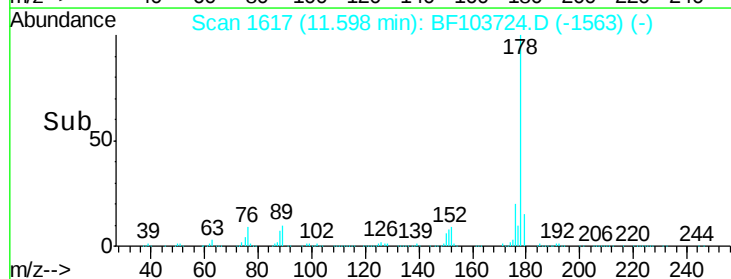
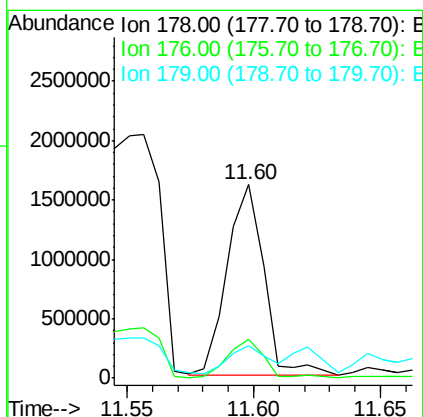
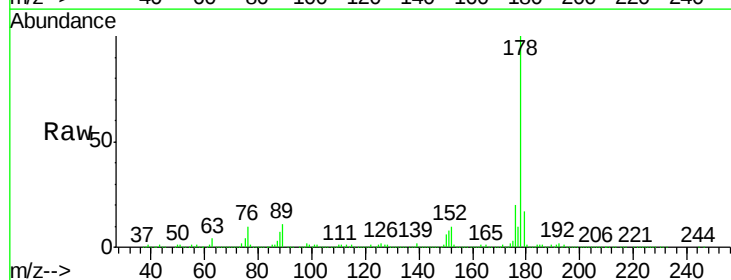
Instrument :
BNA_F
ClientSampled :

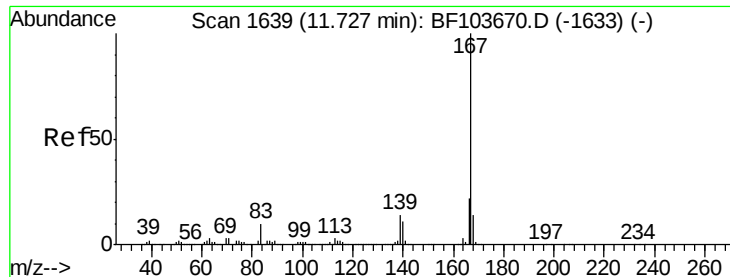
Tot Ion:178 Resp: 3859713
Ion Ratio Lower Upper
178 100
176 20.5 15.8 23.8
179 16.4 13.0 19.6



#71
Anthracene
Concen: 92.343 ng
RT: 11.60 min Scan# 1617
Delta R.T. 0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:178 Resp: 1620073
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 16.8 12.6 19.0





#72

Carbazole

Concen: 8.124 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

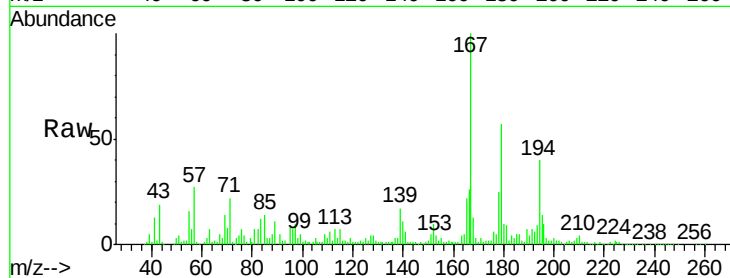
Tot Ion:167 Resp: 138534

Ion Ratio Lower Upper

167 100

166 25.9 17.6 26.4

139 16.7 10.9 16.3#

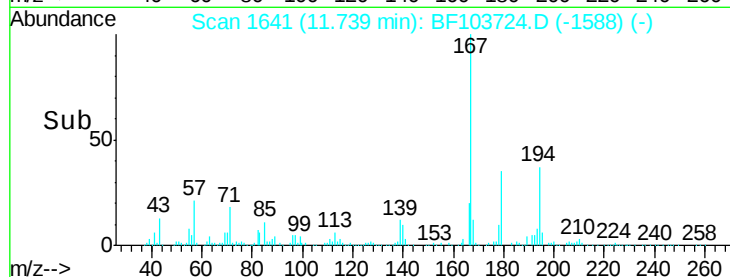


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->

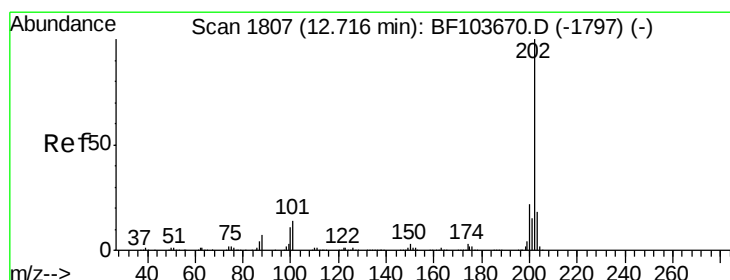


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

Time-->



#74

Fluoranthene

Concen: 110.838 ng

RT: 12.74 min Scan# 1812

Delta R.T. 0.03 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

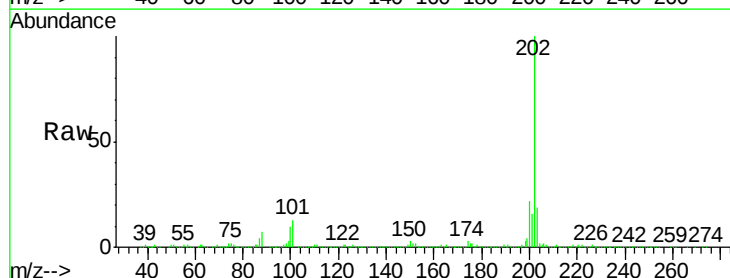
Tgt Ion:202 Resp: 1972440

Ion Ratio Lower Upper

202 100

101 13.2 0.0 34.1

203 18.6 0.0 38.1

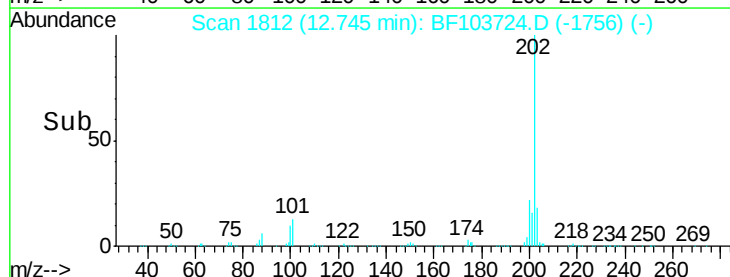


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->

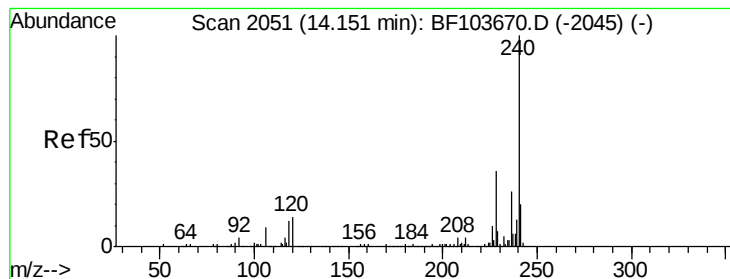


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.02 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

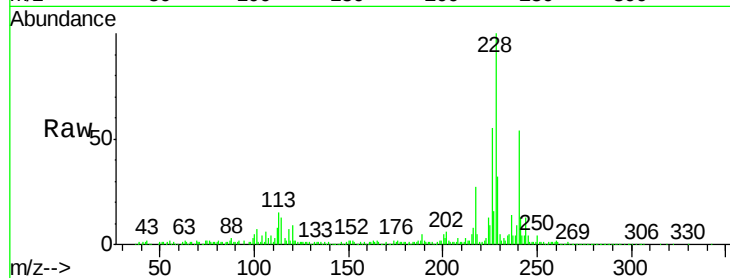
Tot Ion:240 Resp: 227111

Ion Ratio Lower Upper

240 100

120 16.5 9.5 14.3#

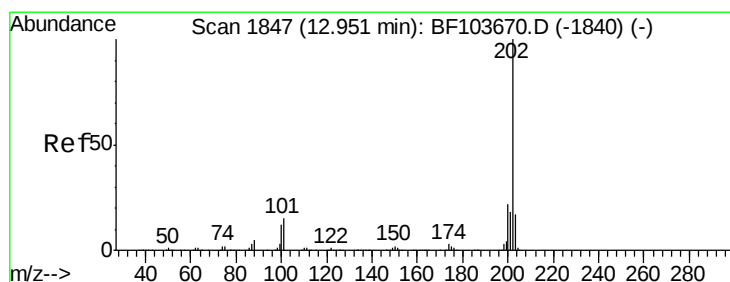
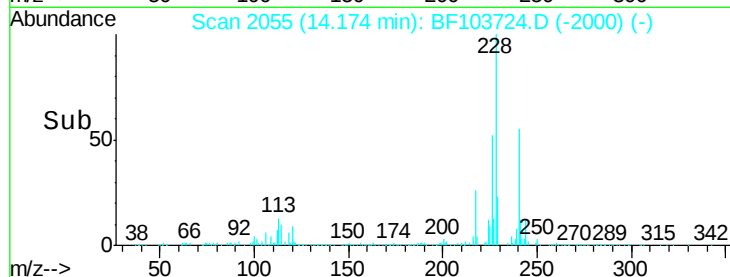
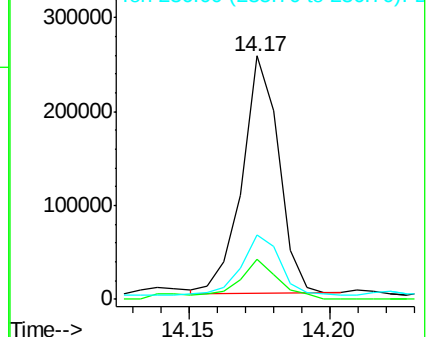
236 26.5 20.7 31.1



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

Pyrene

Concen: 166.196 ng

RT: 12.98 min Scan# 1852

Delta R.T. 0.03 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

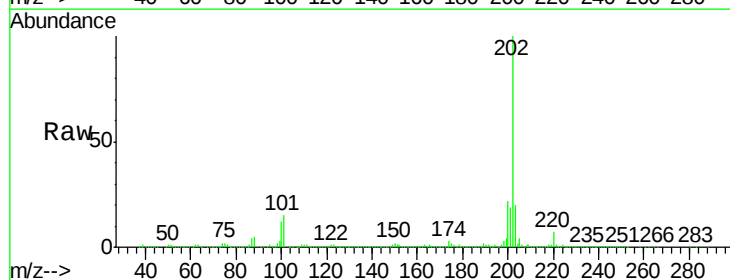
Tgt Ion:202 Resp: 2771968

Ion Ratio Lower Upper

202 100

200 22.0 17.4 26.2

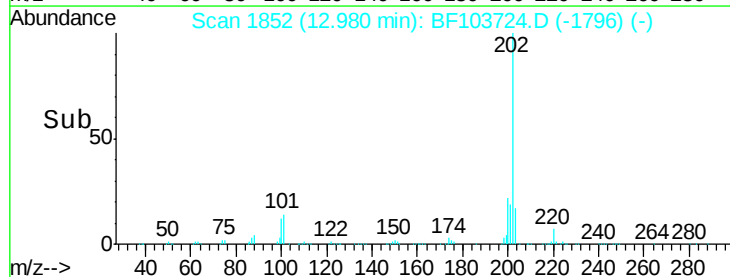
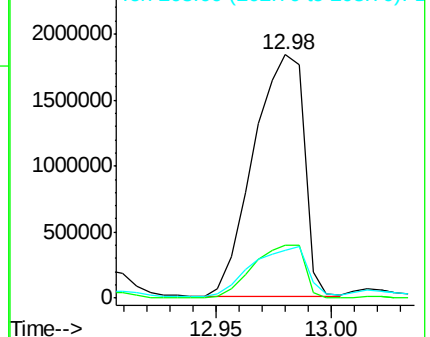
203 19.9 14.3 21.5

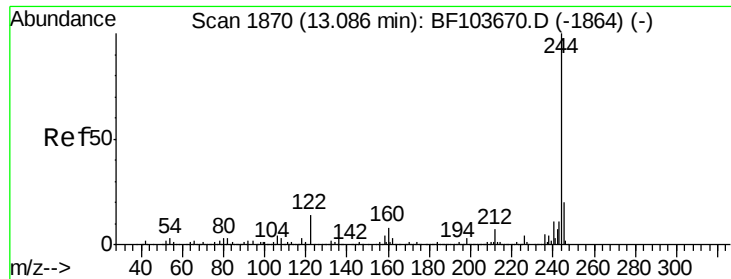


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

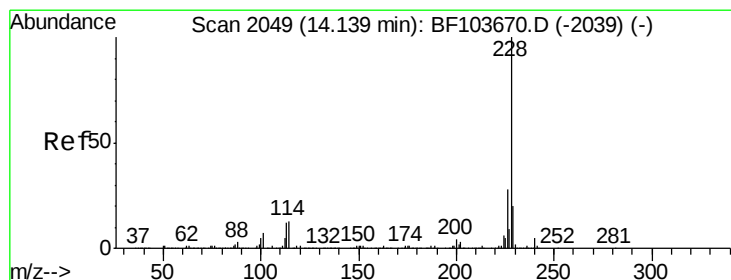
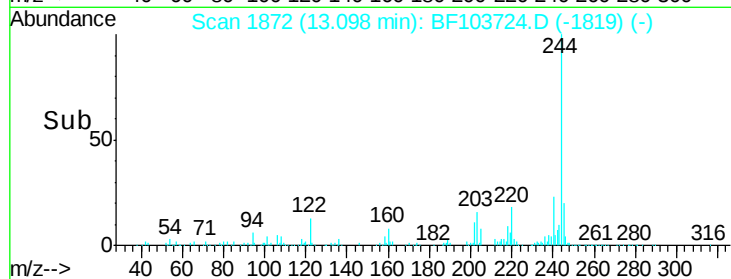
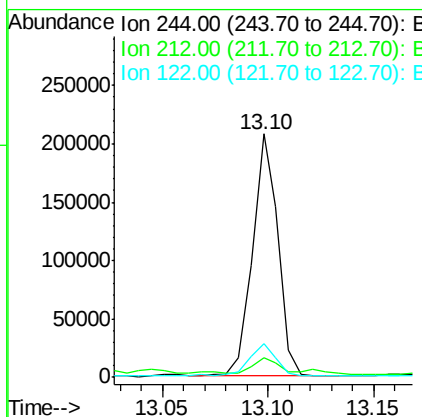
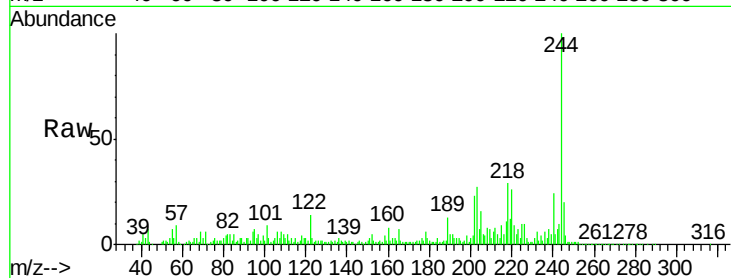




#78
 Terphenyl-d14
 Concen: 17.592 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. 0.01 min
 Lab File: BF103724.D
 Acq: 17 Mar 2018 3:46

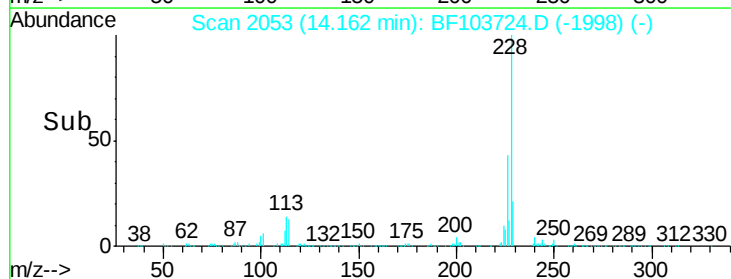
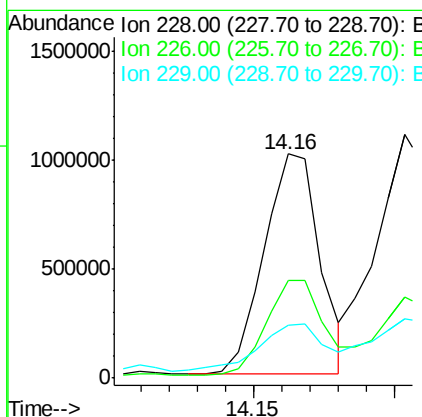
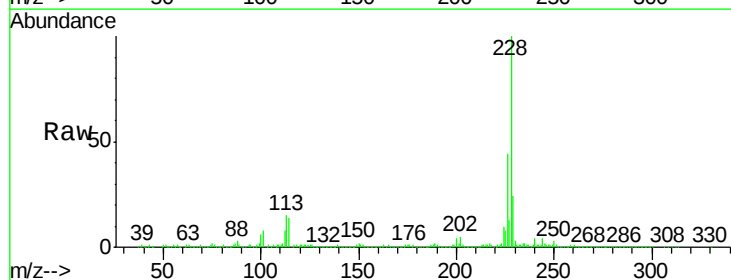
Instrument :
 BNA_F
 ClientSampleId :

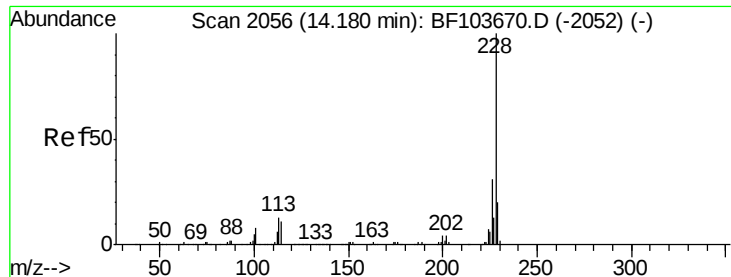
Tot Ion:244 Resp: 172124
 Ion Ratio Lower Upper
 244 100
 212 8.2 5.4 8.0#
 122 13.9 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 96.987 ng
 RT: 14.16 min Scan# 2053
 Delta R.T. 0.02 min
 Lab File: BF103724.D
 Acq: 17 Mar 2018 3:46

Tgt Ion:228 Resp: 1394299
 Ion Ratio Lower Upper
 228 100
 226 43.9 22.6 33.8#
 229 23.8 15.8 23.6#

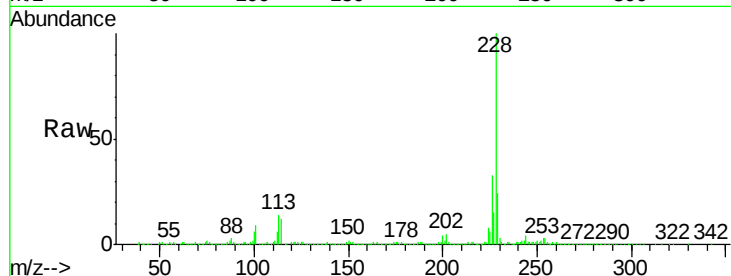




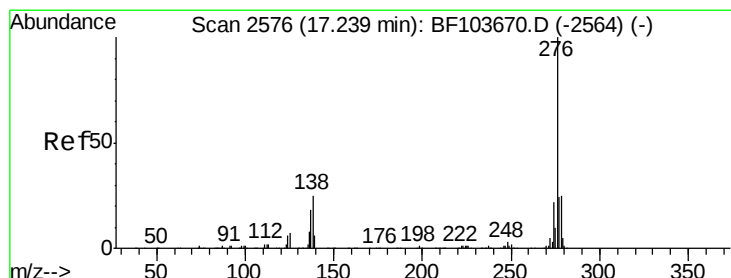
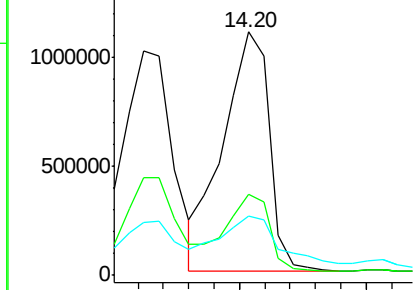
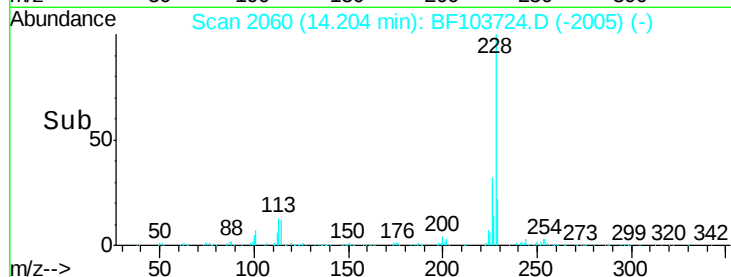
#82
Chrysene
Concen: 101.953 ng
RT: 14.20 min Scan# 2060
Delta R.T. 0.02 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Instrument :
BNA_F
ClientSampleID :

Tot Ion:228 Resp: 1397163
Ion Ratio Lower Upper
228 100
226 33.1 25.0 37.6
229 24.5 16.2 24.4#

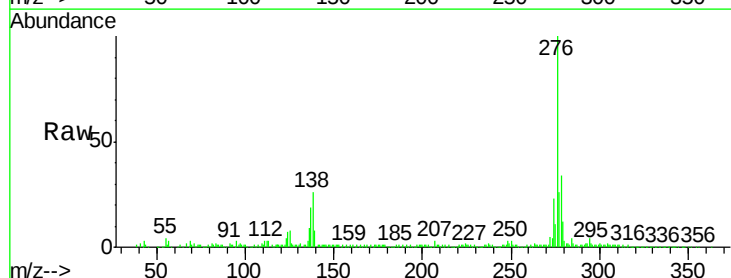


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

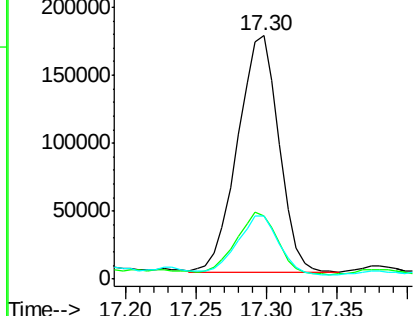
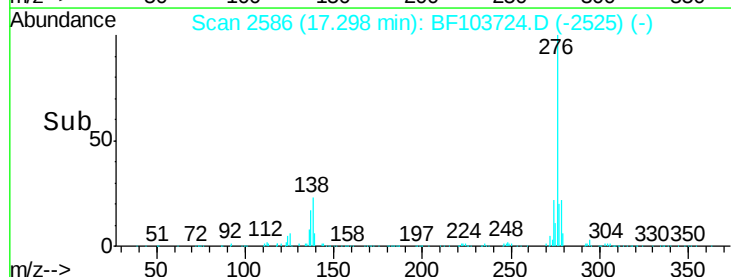


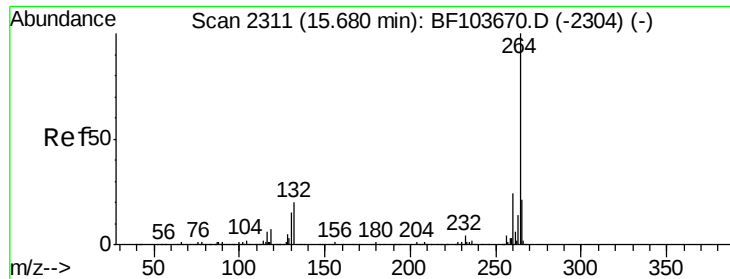
#85
Indeno(1,2,3-cd)pyrene
Concen: 29.697 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.06 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:276 Resp: 355410
Ion Ratio Lower Upper
276 100
138 26.4 25.0 37.6
277 25.5 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

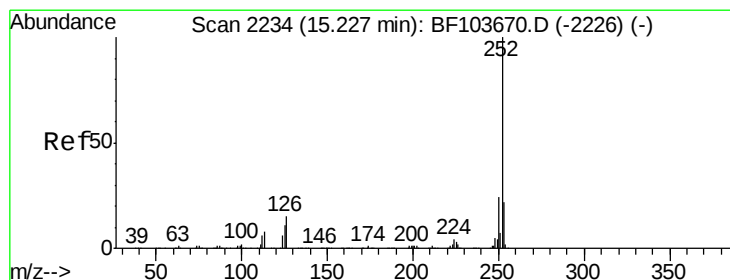
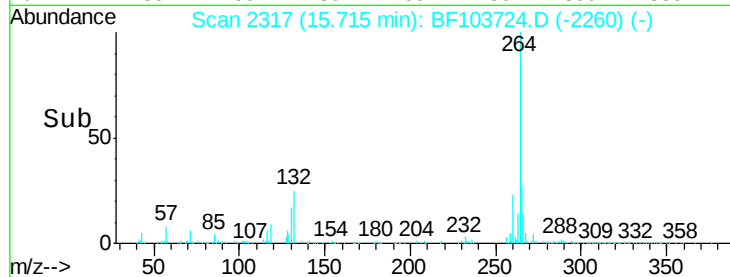
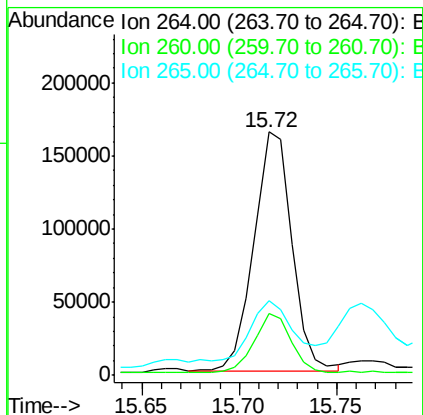
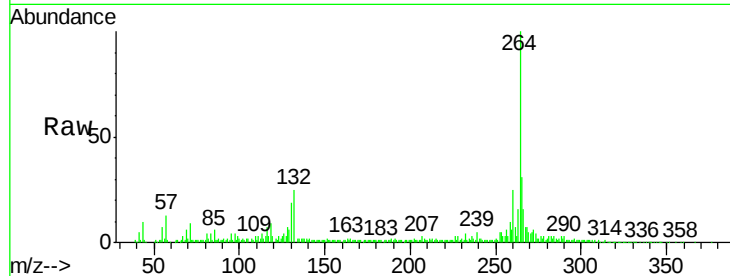




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.04 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

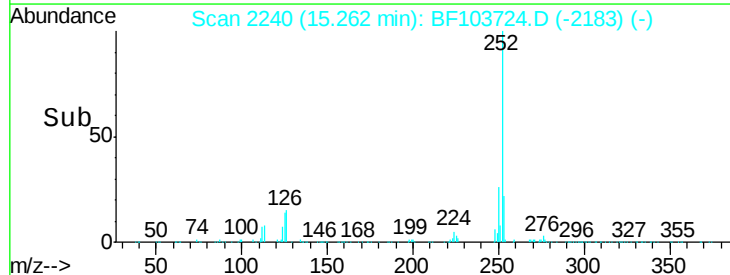
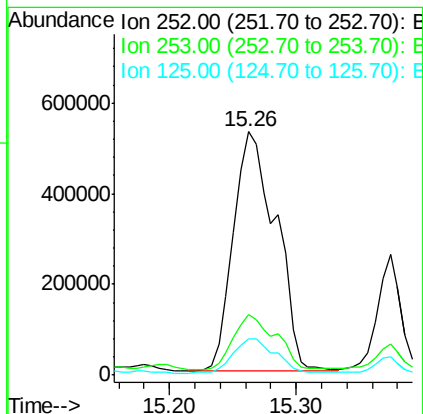
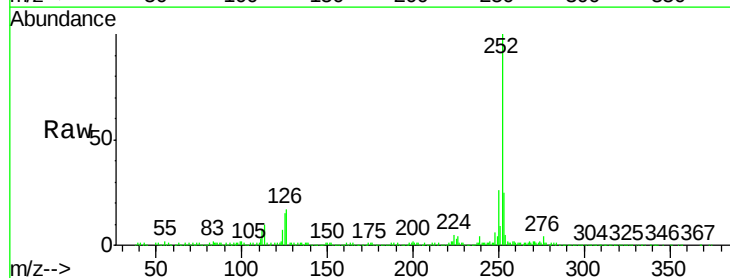
Instrument :
BNA_F
ClientSampleId :

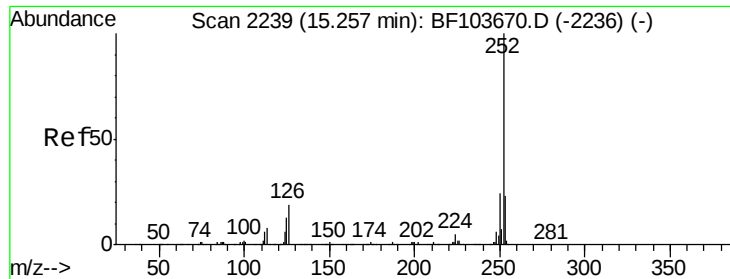
Tot Ion:264 Resp: 221944
Ion Ratio Lower Upper
264 100
260 25.2 19.2 28.8
265 30.7 17.5 26.3#



#87
Benzo(b)fluoranthene
Concen: 87.496 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.04 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:252 Resp: 1226854
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 15.0 9.0 13.6#

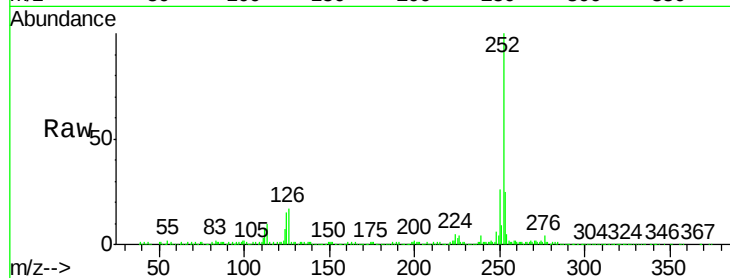




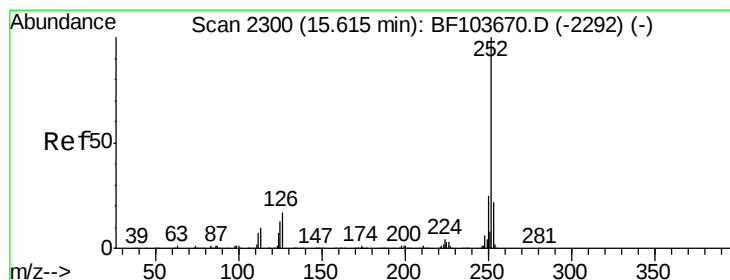
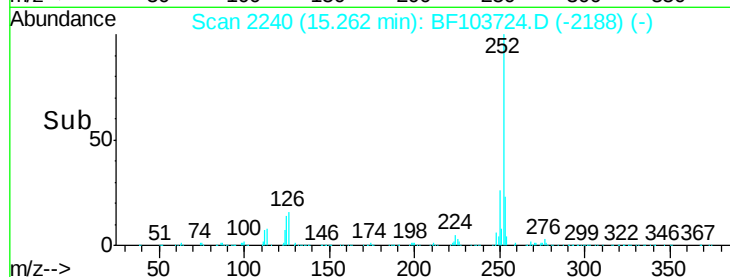
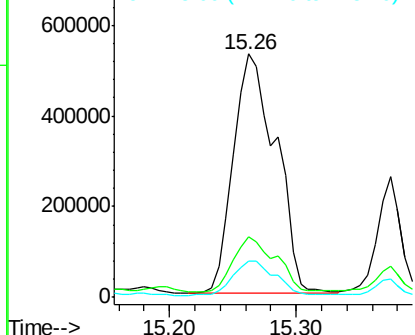
#88
Benzo(k)fluoranthene
Concen: 91.021 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1226854
Ion Ratio Lower Upper
252 100
253 24.6 17.9 26.9
125 15.0 10.2 15.2

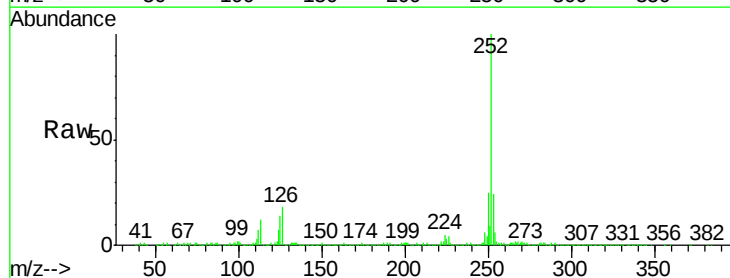


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

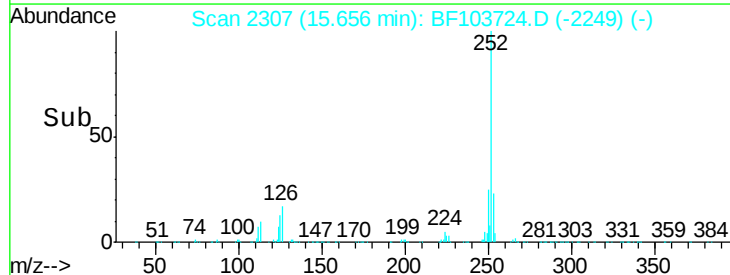
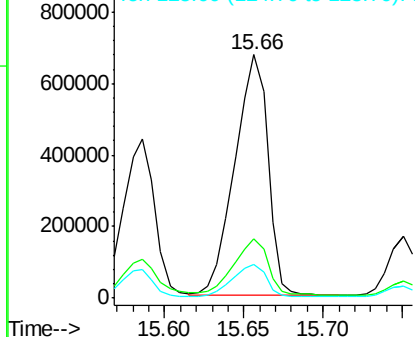


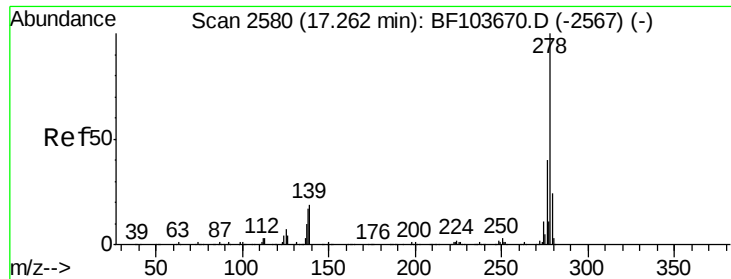
#89
Benzo(a)pyrene
Concen: 76.581 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.04 min
Lab File: BF103724.D
Acq: 17 Mar 2018 3:46

Tgt Ion:252 Resp: 973952
Ion Ratio Lower Upper
252 100
253 24.2 17.1 25.7
125 14.1 9.8 14.6



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





#90

Dibenzo(a,h)anthracene

Concen: 11.702 ng

RT: 17.30 min Scan# 2587

Delta R.T. 0.04 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

Instrument :

BNA_F

ClientSampleId :

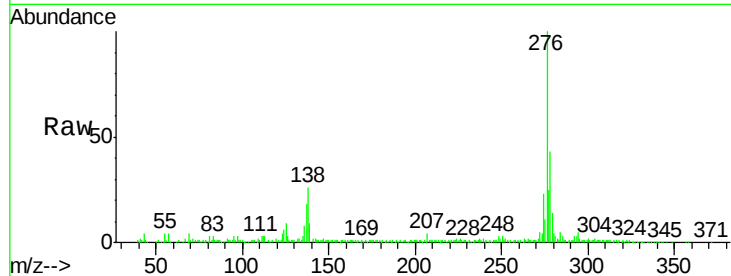
Tot Ion:278 Resp: 128873

Ion Ratio Lower Upper

278 100

139 22.0 15.9 23.9

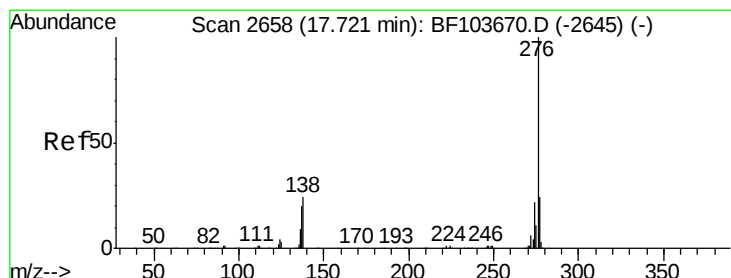
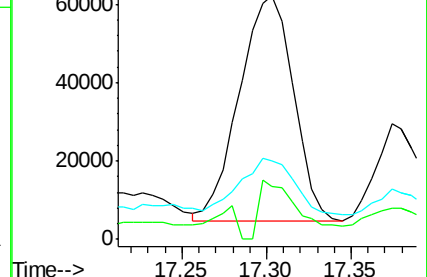
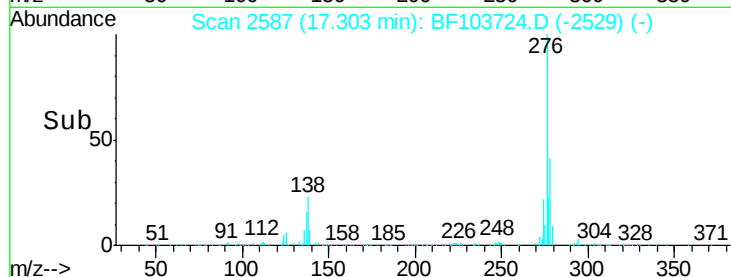
279 32.2 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 37.217 ng

RT: 17.78 min Scan# 2668

Delta R.T. 0.06 min

Lab File: BF103724.D

Acq: 17 Mar 2018 3:46

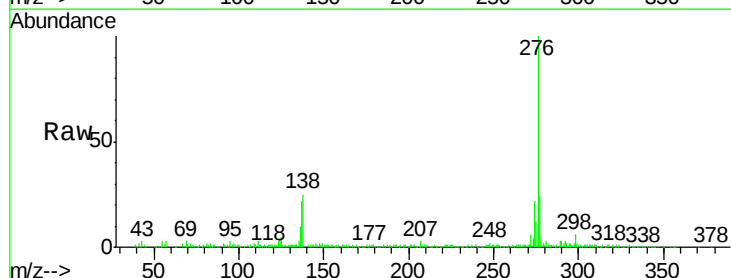
Tgt Ion:276 Resp: 398719

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 25.4 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

