

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022118\
 Data File : BF103131.D
 Acq On : 21 Feb 2018 12:57
 Operator : SJ/JU
 Sample : J1403-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 21 13:33:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	148055	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	595462	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	237687	20.00	ng	-0.01
63) Phenanthrene-d10	11.40	188	344350	20.00	ng	0.00
75) Chrysene-d12	14.05	240	275230	20.00	ng	0.00
86) Perylene-d12	15.54	264	278153	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	947628	97.20	ng	0.00
7) Phenol-d6	6.51	99	1114893	94.98	ng	0.00
23) Nitrobenzene-d5	7.44	82	678090	79.00	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	164763	86.12	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	838433	58.53	ng	-0.01
78) Terphenyl-d14	12.99	244	615278	52.93	ng	0.00

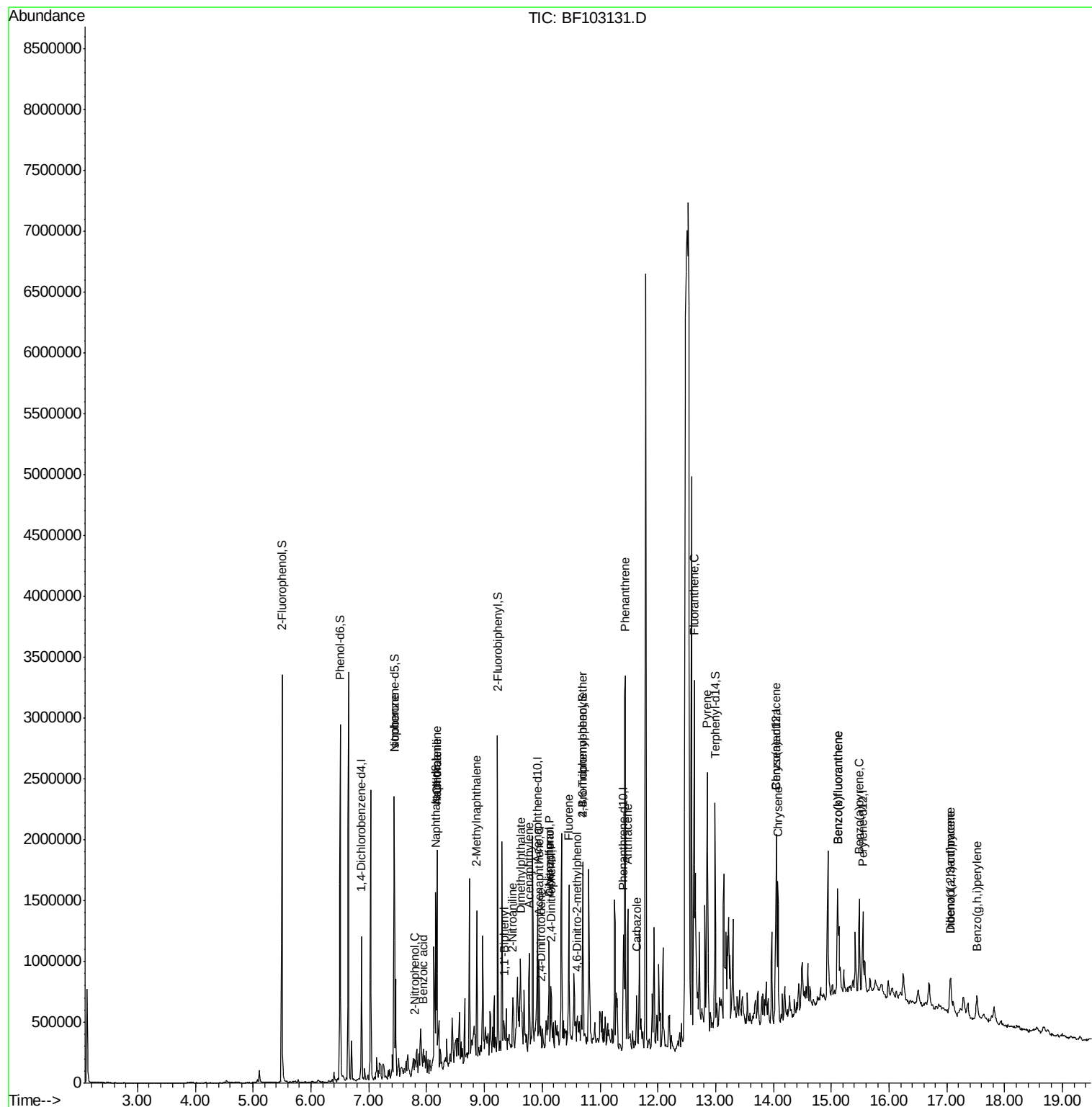
Target Compounds				Qvalue		
25) Isophorone	7.44	82	678090	34.307	ng	# 64
26) 2-Nitrophenol	7.79	139	829	8.830	ng	# 1
31) Naphthalene	8.18	128	689063	23.685	ng	99
32) Benzoic acid	7.95	122	3423	9.104	ng	# 49
33) 4-Chloroaniline	8.18	127	94041	7.503	ng	# 32
37) 2-Methylnaphthalene	8.87	142	311897	16.375	ng	98
45) 1,1'-Biphenyl	9.33	154	64568	3.225	ng	93
47) 2-Nitroaniline	9.50	65	2824	4.011	ng	# 34
48) Acenaphthylene	9.77	152	254020	10.377	ng	99
49) Dimethylphthalate	9.62	163	75047	4.049	ng	# 99
51) Acenaphthene	9.95	154	121410	8.293	ng	99
53) 2,4-Dinitrophenol	10.15	184	240	8.310	ng	# 1
54) Dibenzofuran	10.12	168	256829	12.449	ng	97
55) 4-Nitrophenol	10.12	139	97615	30.026	ng	# 13
56) 2,4-Dinitrotoluene	9.98	165	2435	3.557	ng	# 53
57) Fluorene	10.46	166	340067	22.655	ng	99
64) 4,6-Dinitro-2-methylphenol	10.60	198	109	8.862	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10973	3.012	ng	# 1
70) Phenanthrene	11.43	178	1261213	65.763	ng	99
71) Anthracene	11.48	178	418234	21.441	ng	98
72) Carbazole	11.63	167	129653	6.785	ng	99
74) Fluoranthene	12.63	202	1078869	55.913	ng	99
77) Pyrene	12.86	202	959836	44.473	ng	99
80) Benzo(a)anthracene	14.04	228	550540	31.806	ng	98
82) Chrysene	14.07	228	455917	26.129	ng	97
85) Indeno(1,2,3-cd)pyrene	17.06	276	194692	13.453	ng	96
87) Benzo(b)fluoranthene	15.11	252	764693	42.404	ng	# 96
88) Benzo(k)fluoranthene	15.11	252	764693	44.379	ng	98
89) Benzo(a)pyrene	15.48	252	391467	24.116	ng	# 94
90) Dibenzo(a,h)anthracene	17.07	278	51057	3.875	ng	# 84
91) Benzo(g,h,i)perylene	17.52	276	170900	13.252	ng	95

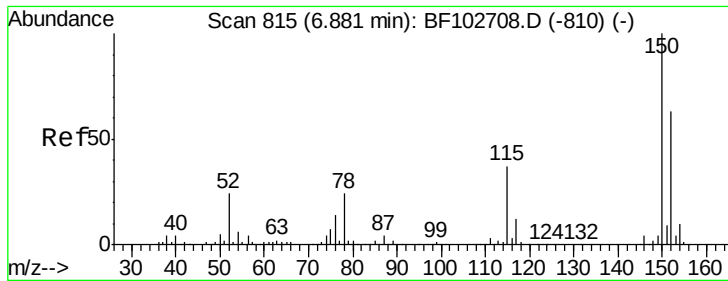
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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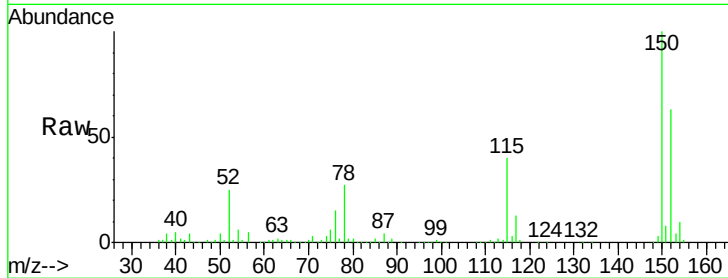


#1

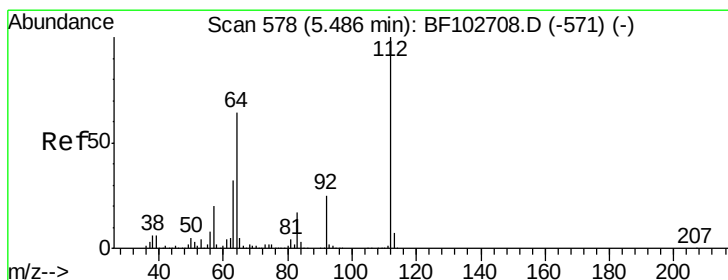
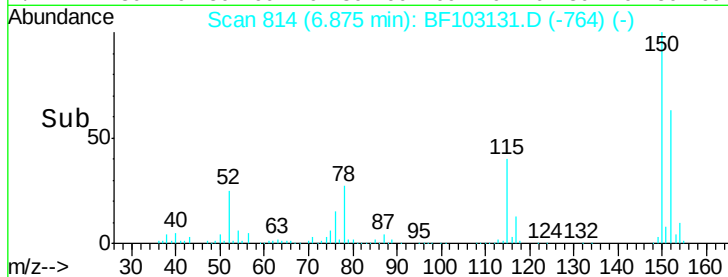
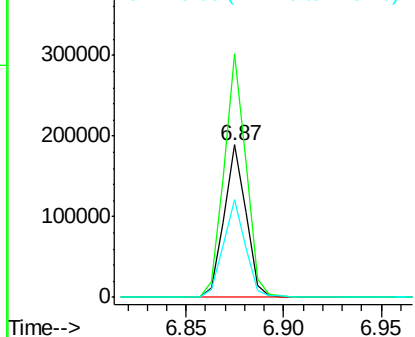
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 148055
Ion Ratio Lower Upper
152 100
150 159.5 124.6 186.8
115 64.1 50.1 75.1



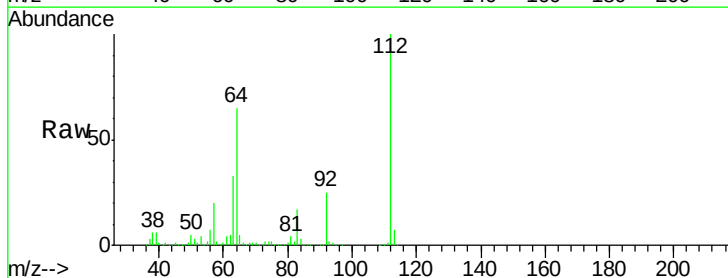
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



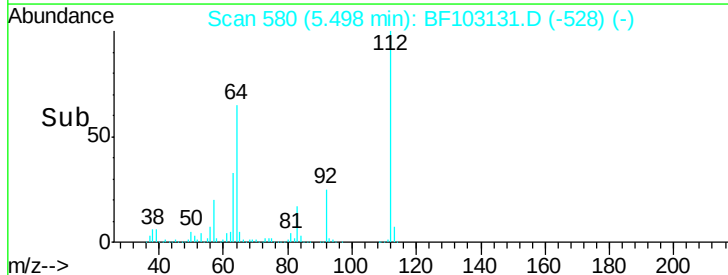
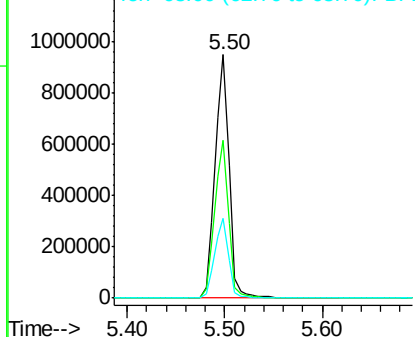
#5

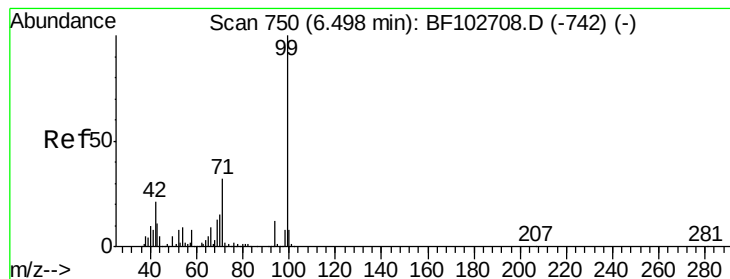
2-Fluorophenol
Concen: 97.202 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

Tgt Ion:112 Resp: 947628
Ion Ratio Lower Upper
112 100
64 64.9 47.9 71.9
63 32.9 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: 94.978 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampled :

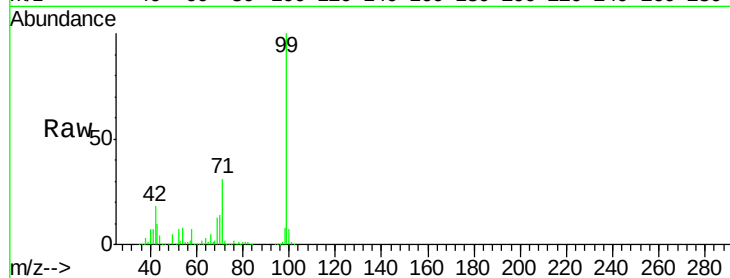
Tot Ion: 99 Resp: 1114893

Ion Ratio Lower Upper

99 100

42 18.4 14.5 21.7

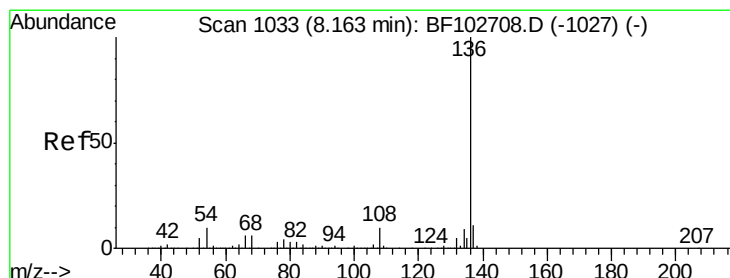
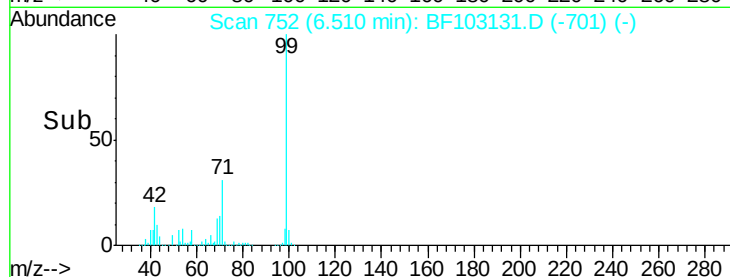
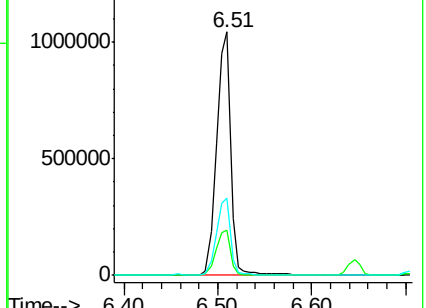
71 31.5 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Tgt Ion: 136 Resp: 595462

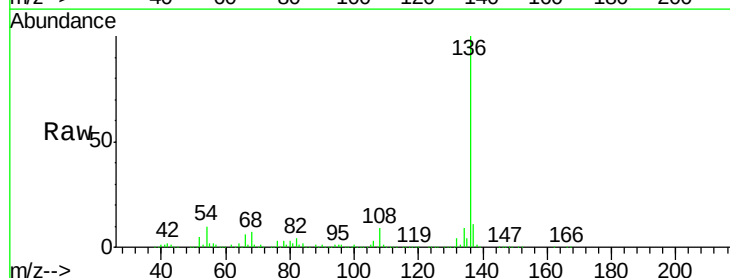
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 10.0 6.6 9.8#

68 6.9 5.0 7.4

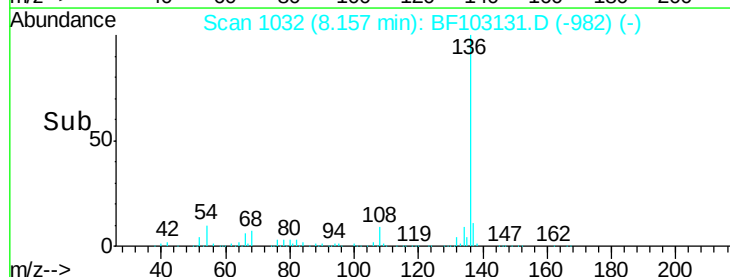
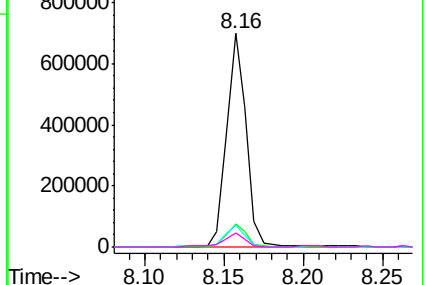


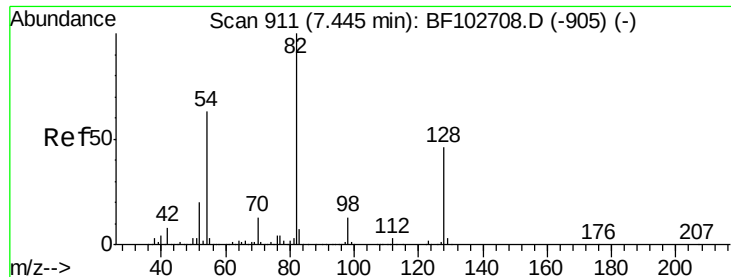
Abundance Ion 136.00 (135.70 to 136.70): E

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

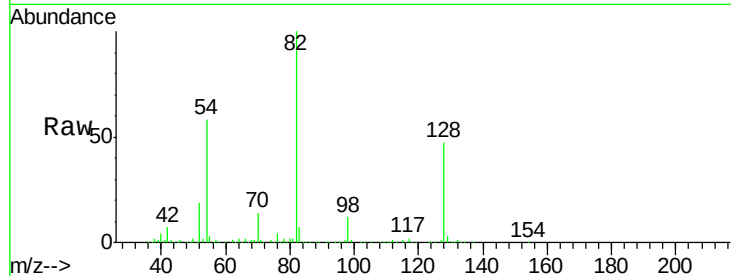




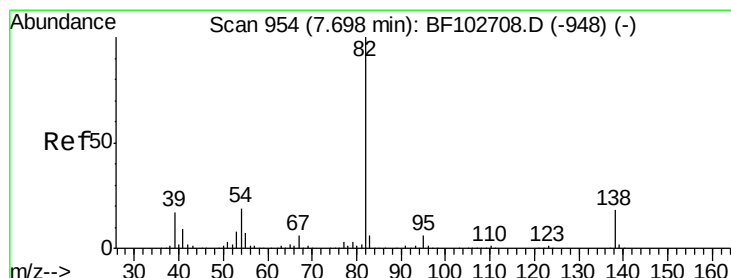
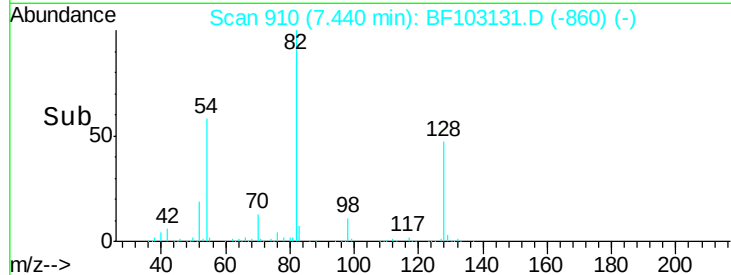
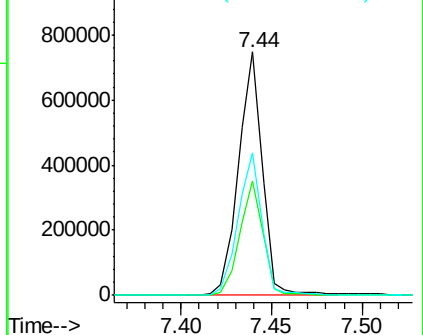
#23
 Nitrobenzene-d5
 Concen: 78.997 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion	82	Resp	678090
Ion Ratio	Lower	Upper	
82	100		
128	46.8	36.1	54.1
54	58.5	41.4	62.2

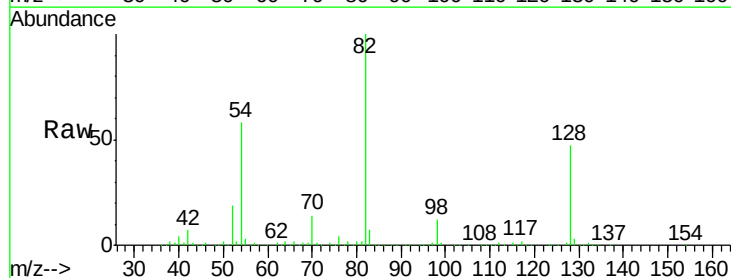


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

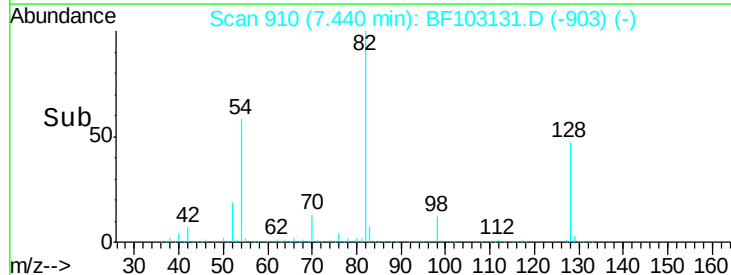
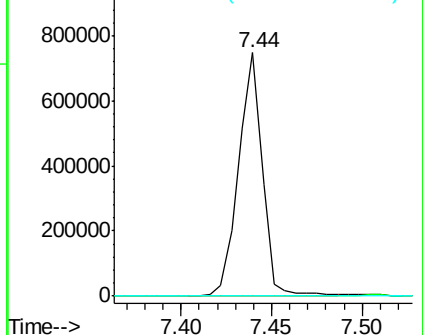


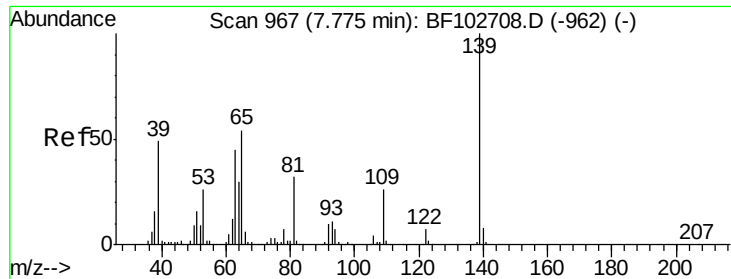
#25
 Isophorone
 Concen: 34.307 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Tgt Ion	82	Resp	678090
Ion Ratio	Lower	Upper	
82	100		
95	0.2	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

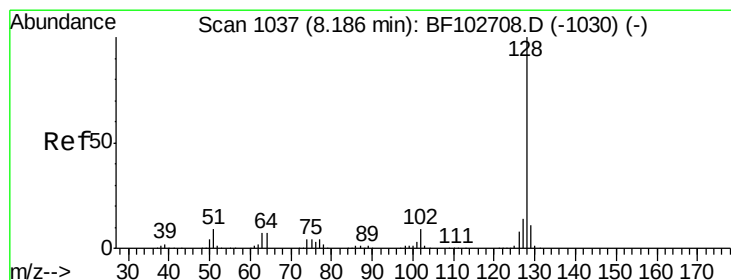
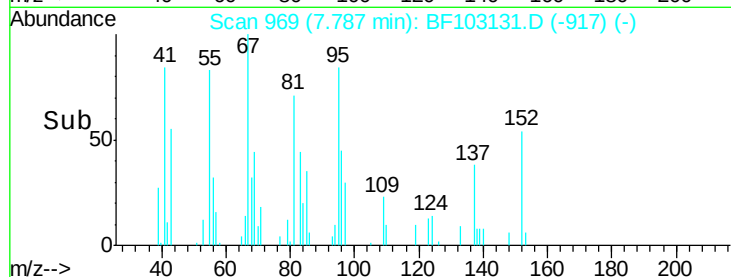
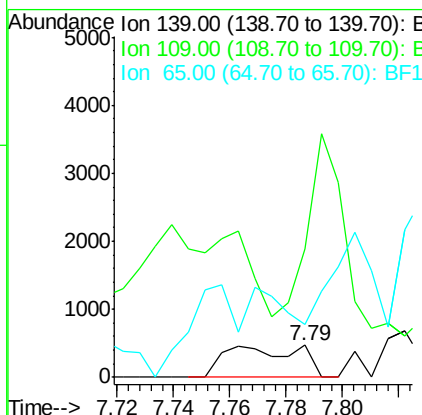
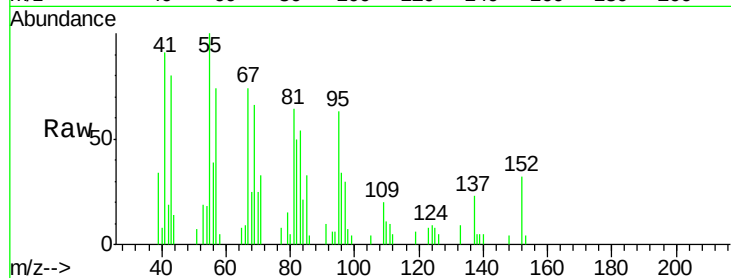




#26
2-Nitrophenol
Concen: 8.830 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.01 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

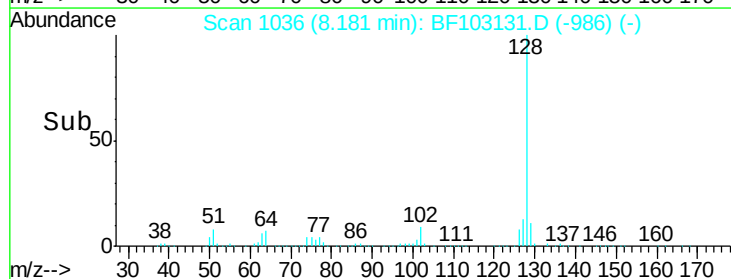
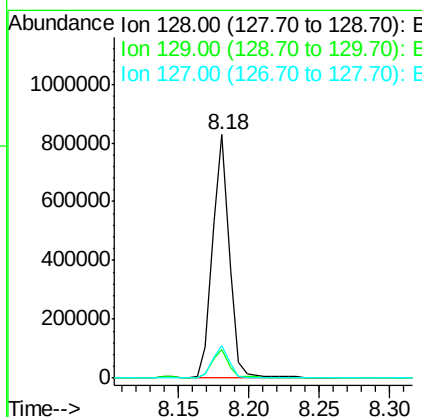
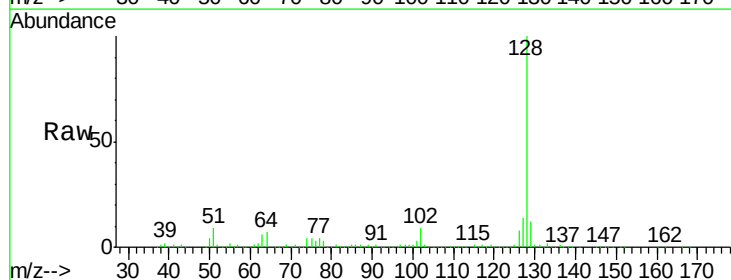
Instrument :
BNA_F
ClientSampled :

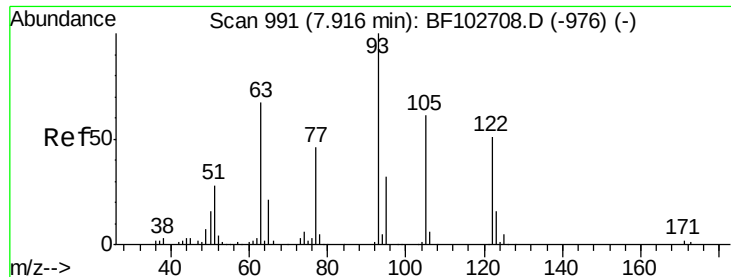
Tot Ion:139 Resp: 829
Ion Ratio Lower Upper
139 100
109 397.5 22.7 34.1#
65 164.6 40.5 60.7#



#31
Naphthalene
Concen: 23.685 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

Tgt Ion:128 Resp: 689063
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 13.5 10.9 16.3





#32

Benzoic acid

Concen: 9.104 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampleId :

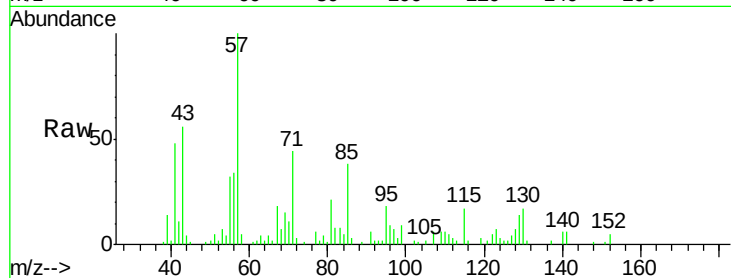
Tot Ion:122 Resp: 3423

Ion Ratio Lower Upper

122 100

105 40.5 101.1 141.1#

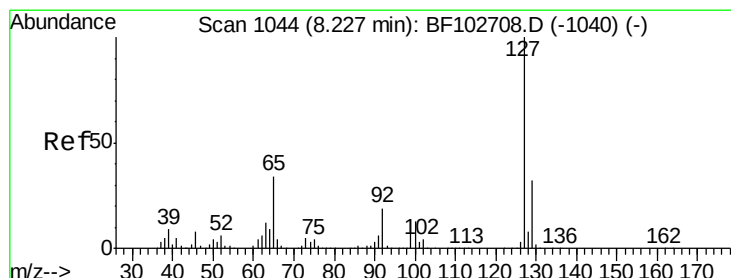
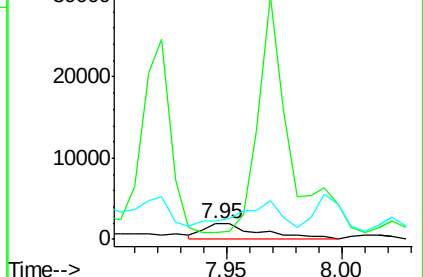
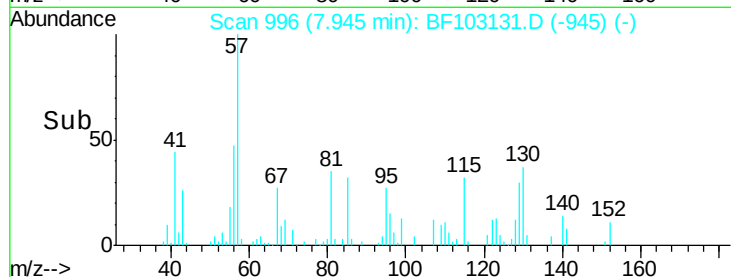
77 112.7 70.7 110.7#



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: 7.503 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Tgt Ion:127 Resp: 94041

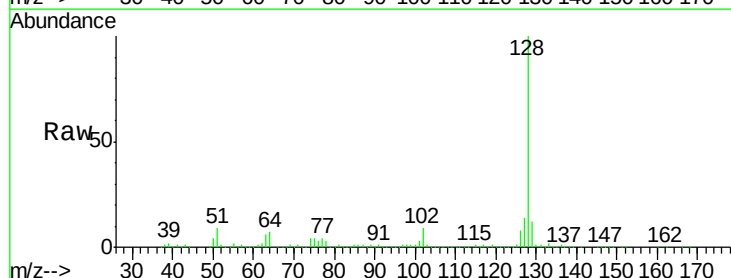
Ion Ratio Lower Upper

127 100

129 86.3 25.9 38.9#

65 0.0 25.0 37.4#

92 0.7 15.2 22.8#

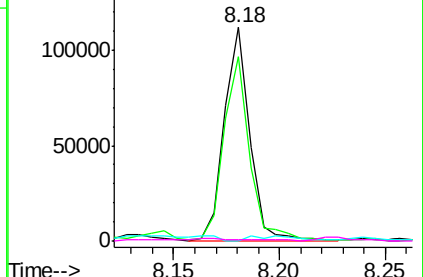
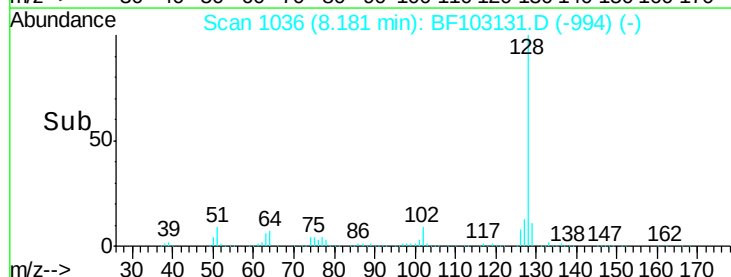


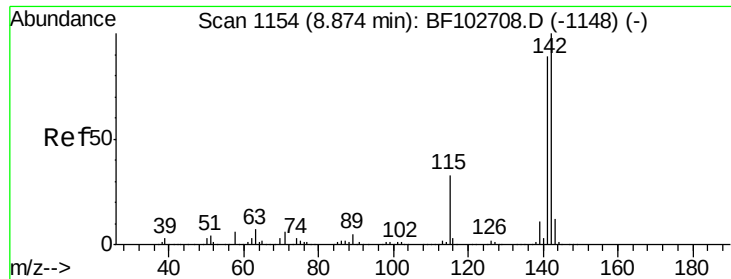
Abundance Ion 127.00 (126.70 to 127.70): E

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

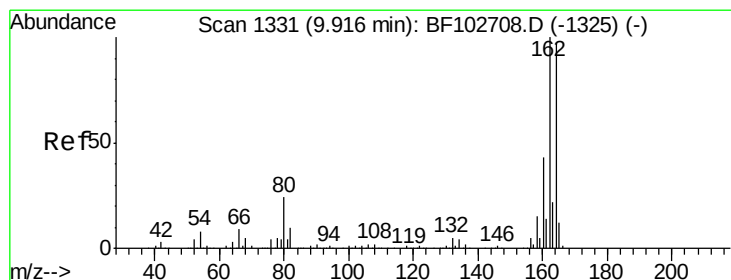
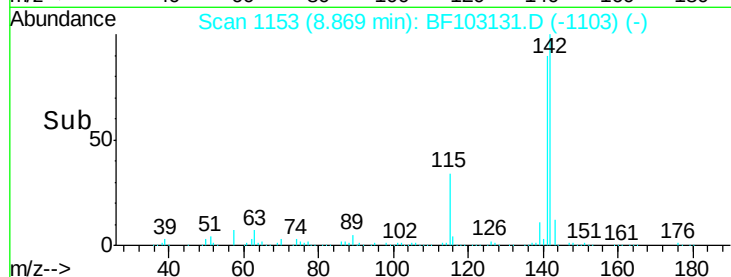
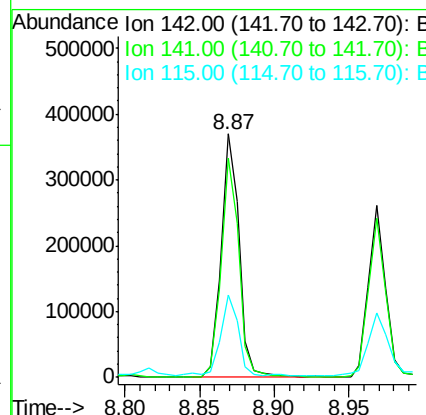
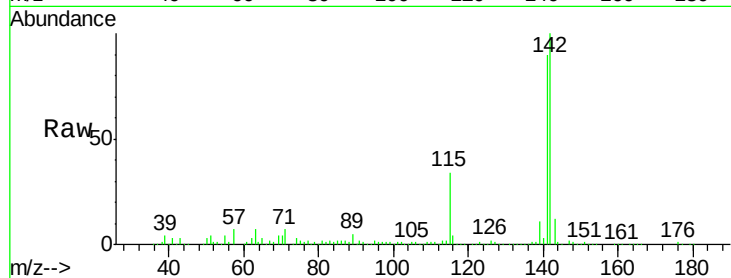




#37
 2-Methylnaphthalene
 Concen: 16.375 ng
 RT: 8.87 min Scan# 1153
 Delta R.T. -0.01 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

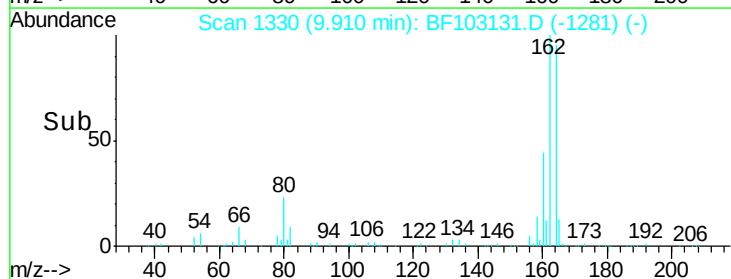
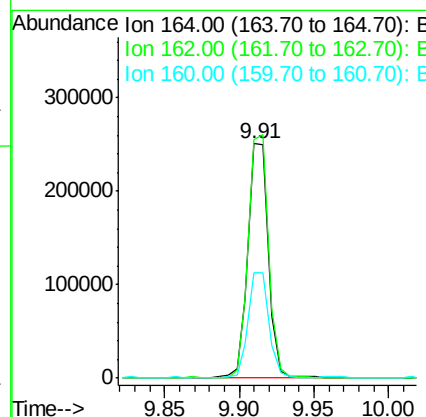
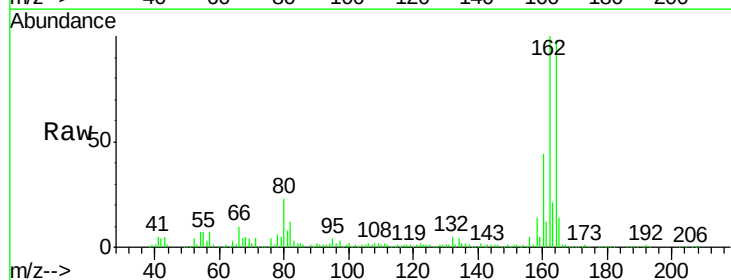
Instrument :
 BNA_F
 ClientSampleId :

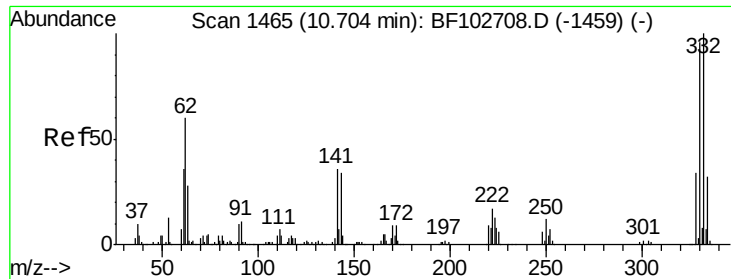
Tot Ion:142 Resp: 311897
 Ion Ratio Lower Upper
 142 100
 141 90.0 70.8 106.2
 115 33.9 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Tgt Ion:164 Resp: 237687
 Ion Ratio Lower Upper
 164 100
 162 102.0 86.1 129.1
 160 45.0 38.3 57.5

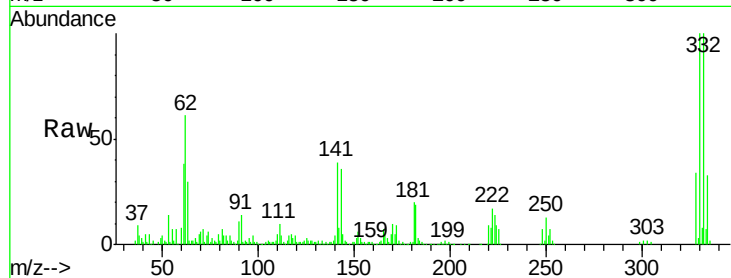




#41
 2,4,6-Tribromophenol
 Concen: 86.123 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.5	77.0	115.6
141	40.6	29.9	44.9

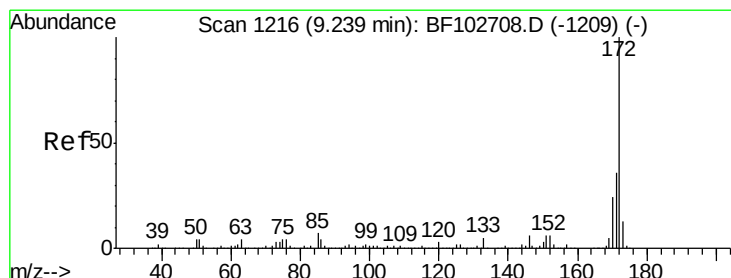
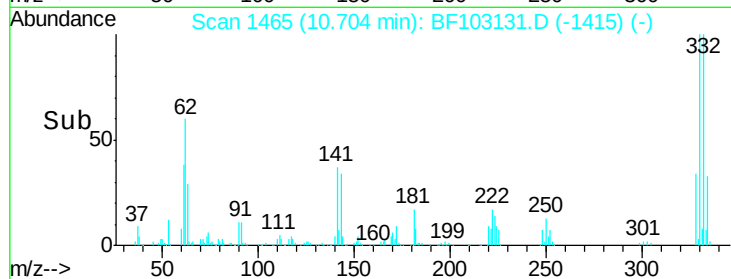
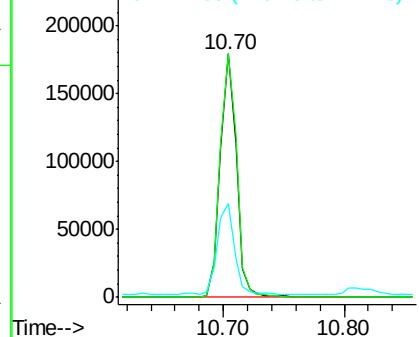


Abundance

Ion 329.80 (329.50 to 330.50): E

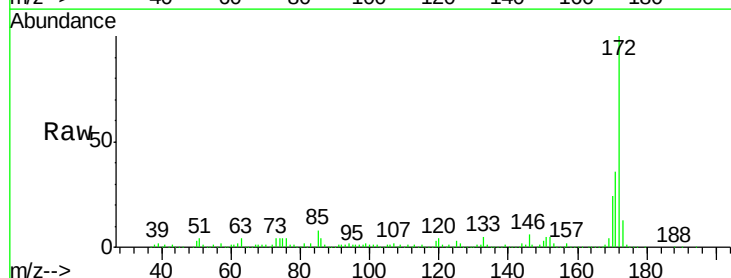
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 58.533 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	19.6	29.4

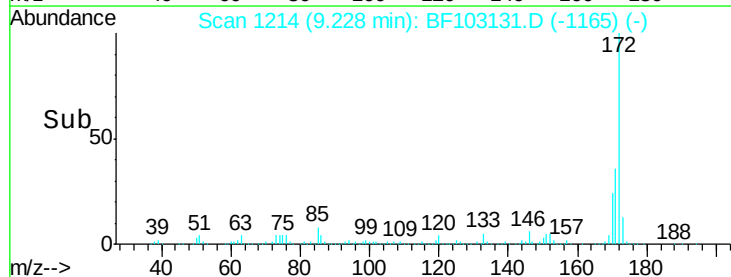
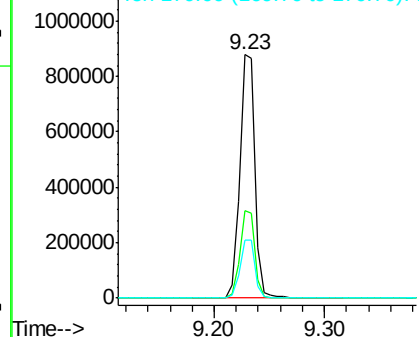


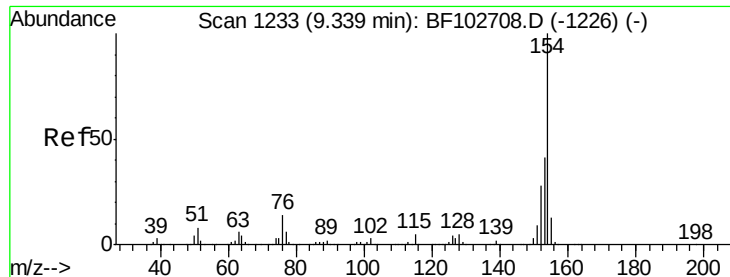
Abundance

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: 3.225 ng

RT: 9.33 min Scan# 1232

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampleId :

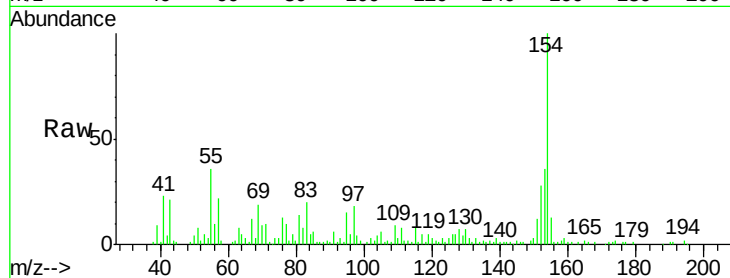
Tot Ion:154 Resp: 64568

Ion Ratio Lower Upper

154 100

153 36.2 21.3 61.3

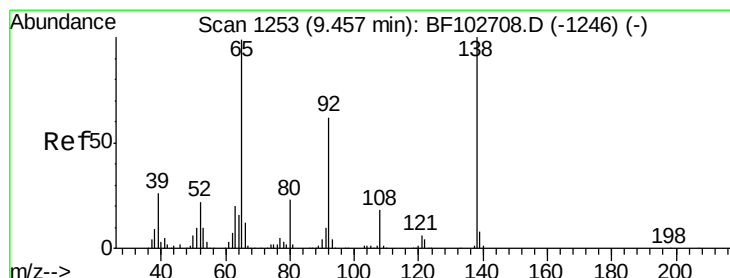
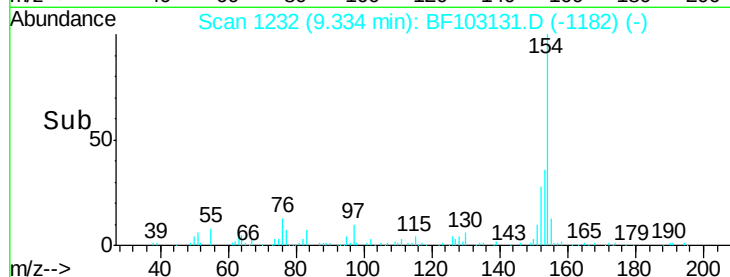
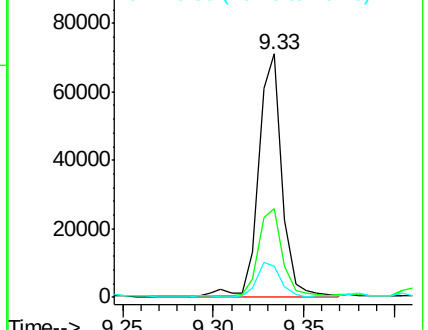
76 12.9 0.0 34.0



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



#47

2-Nitroaniline

Concen: 4.011 ng

RT: 9.50 min Scan# 1260

Delta R.T. 0.04 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

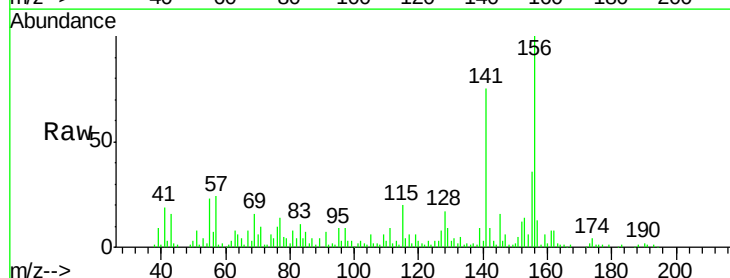
Tgt Ion: 65 Resp: 2824

Ion Ratio Lower Upper

65 100

92 29.8 55.8 83.6#

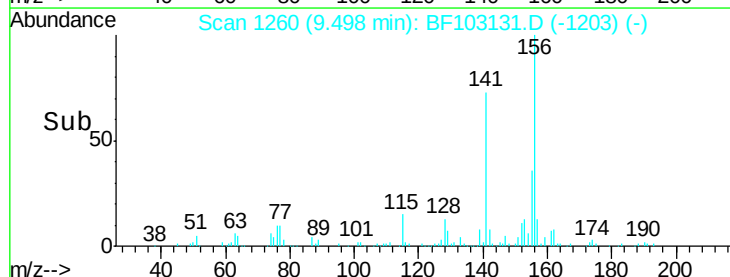
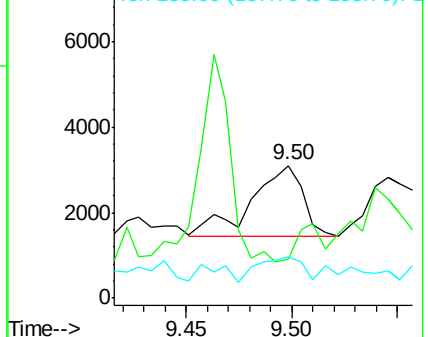
138 31.3 91.2 136.8#

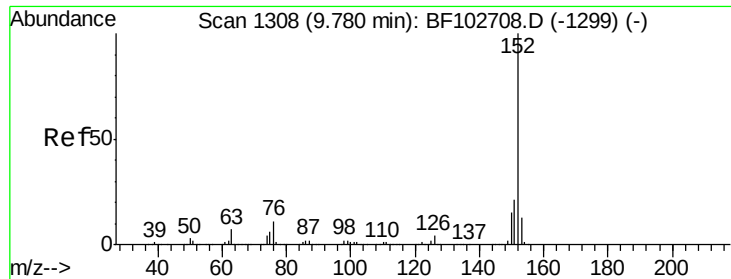


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 10.377 ng

RT: 9.77 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampleId :

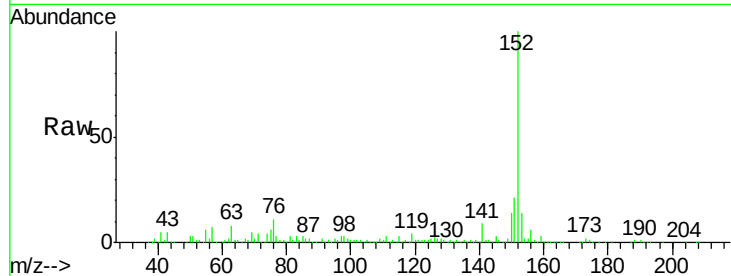
Tot Ion:152 Resp: 254020

Ion Ratio Lower Upper

152 100

151 20.8 16.3 24.5

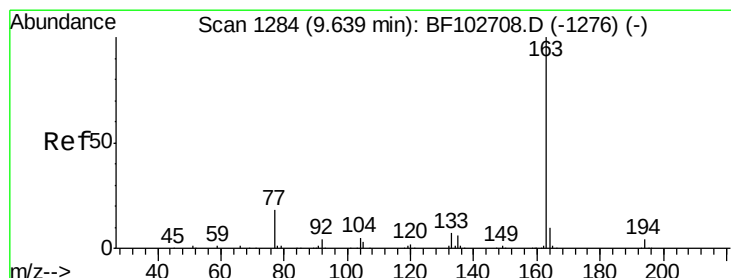
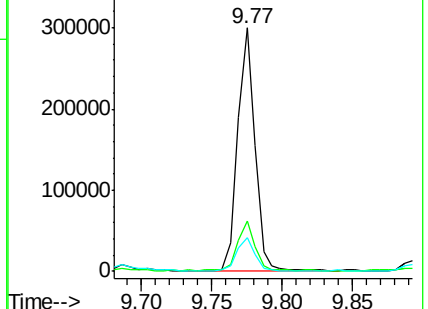
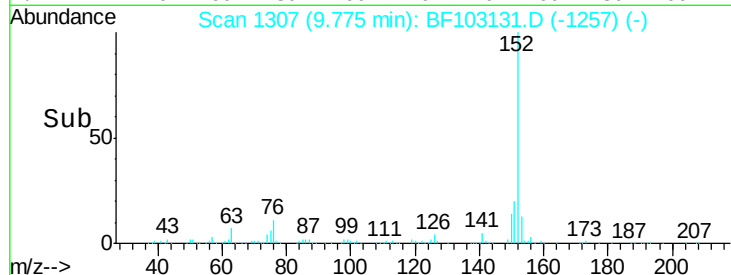
153 13.8 10.7 16.1



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: 4.049 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

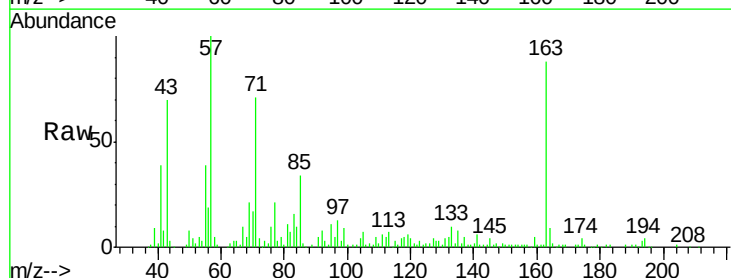
Tgt Ion:163 Resp: 75047

Ion Ratio Lower Upper

163 100

194 4.2 2.7 4.1#

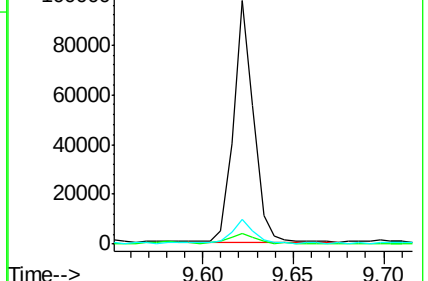
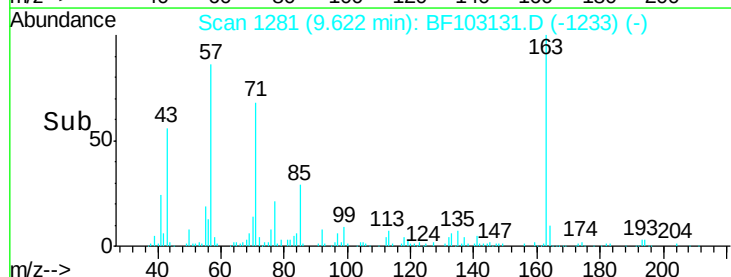
164 10.4 8.2 12.2

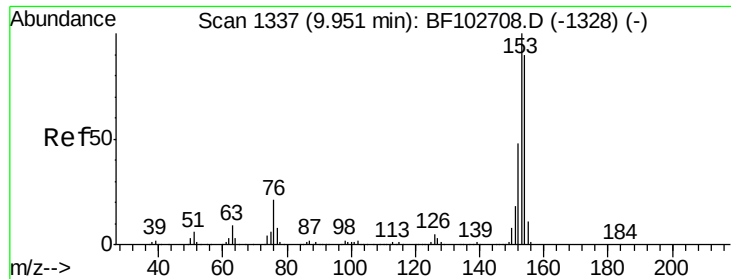


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 8.293 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampleId :

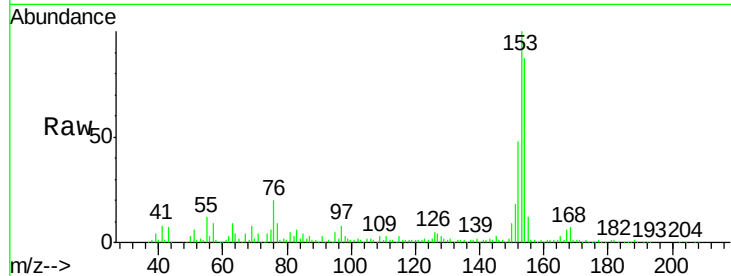
Tot Ion:154 Resp: 121410

Ion Ratio Lower Upper

154 100

153 115.3 91.2 136.8

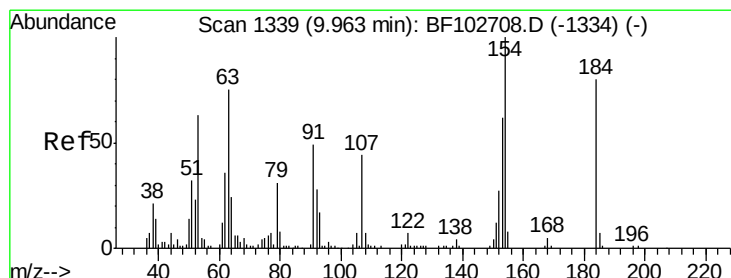
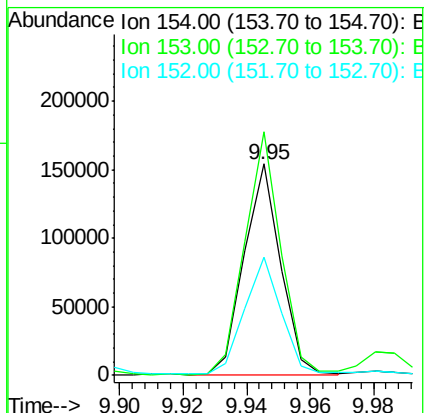
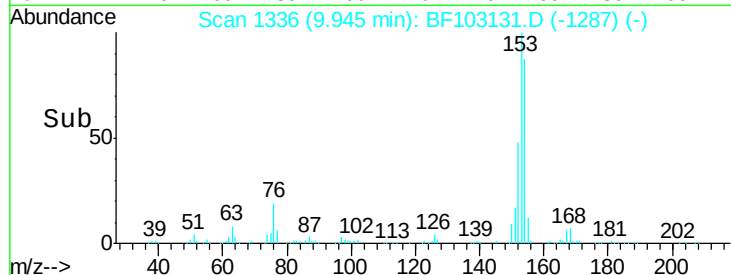
152 55.8 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

2,4-Dinitrophenol

Concen: 8.310 ng

RT: 10.15 min Scan# 1371

Delta R.T. 0.17 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

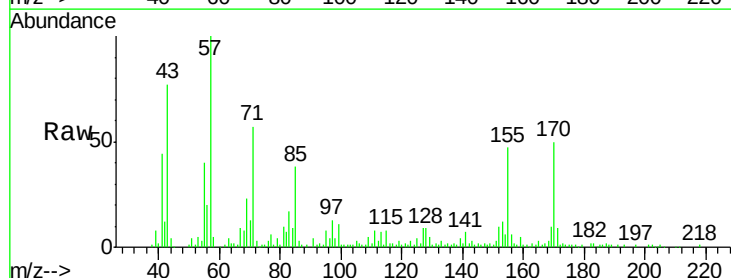
Tgt Ion:184 Resp: 240

Ion Ratio Lower Upper

184 100

63 840.7 54.2 81.2#

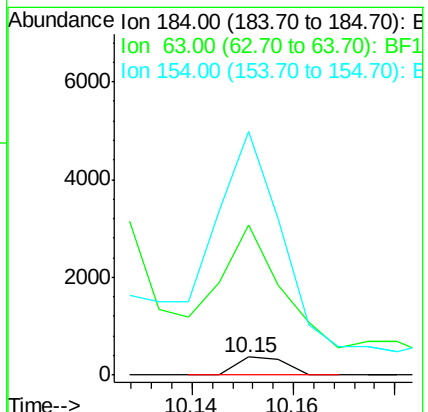
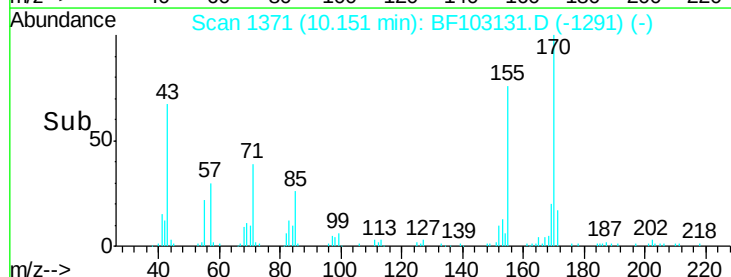
154 1367.9 184.0 276.0#

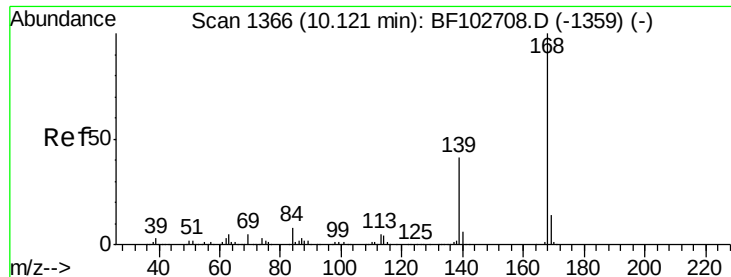


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 12.449 ng

RT: 10.12 min Scan# 1365

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampleId :

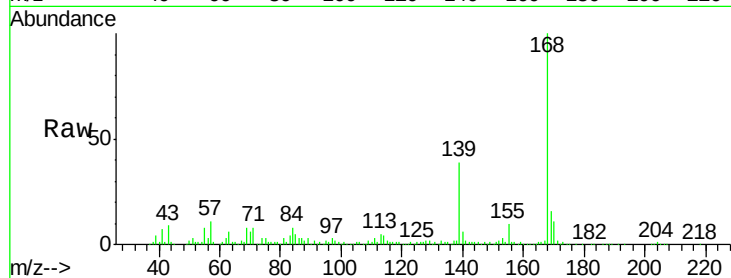
Tot Ion:168 Resp: 256829

Ion Ratio Lower Upper

168 100

139 38.9 30.1 45.1

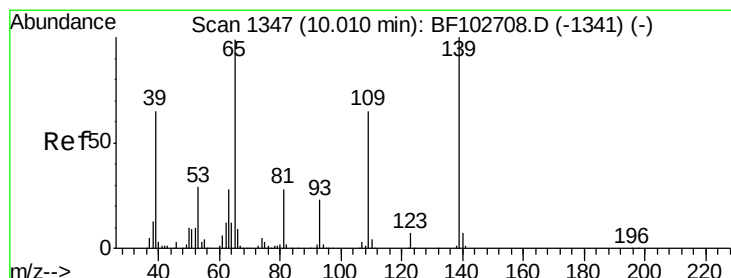
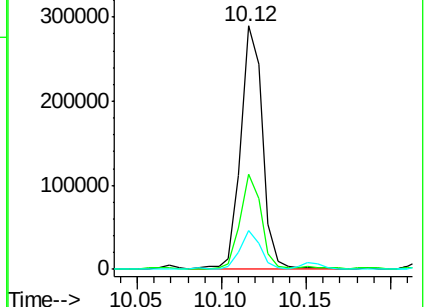
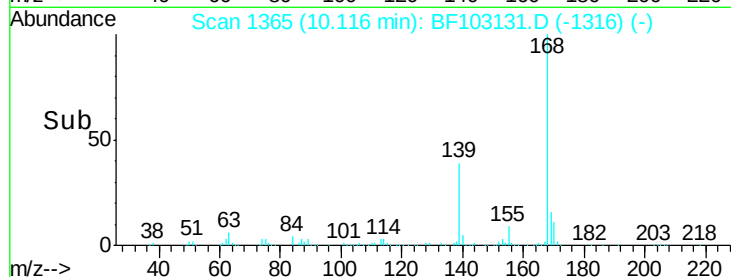
169 15.9 10.9 16.3



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: 30.026 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.08 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

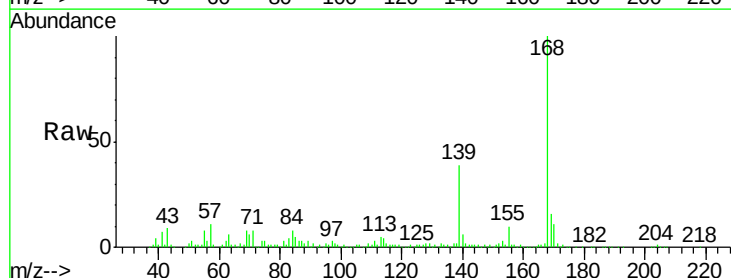
Tgt Ion:139 Resp: 97615

Ion Ratio Lower Upper

139 100

109 4.7 48.4 88.4#

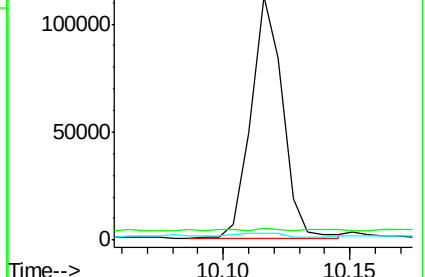
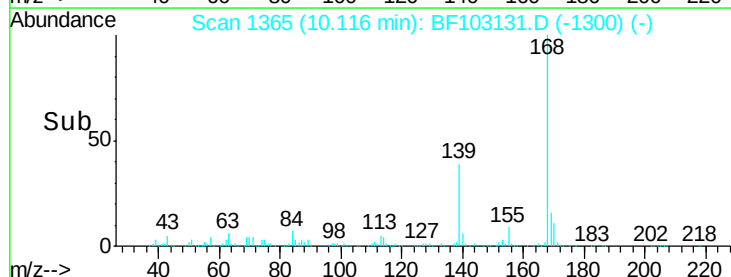
65 3.0 72.6 112.6#

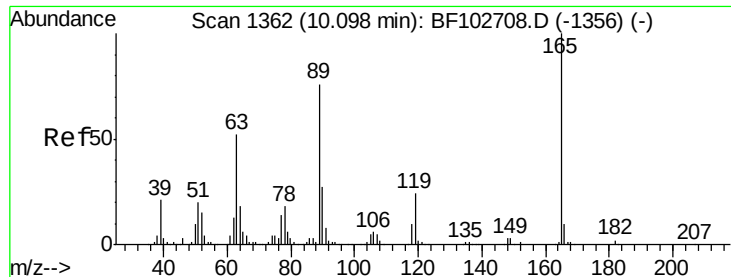


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#56

2,4-Dinitrotoluene

Concen: 3.557 ng

RT: 9.98 min Scan# 1342

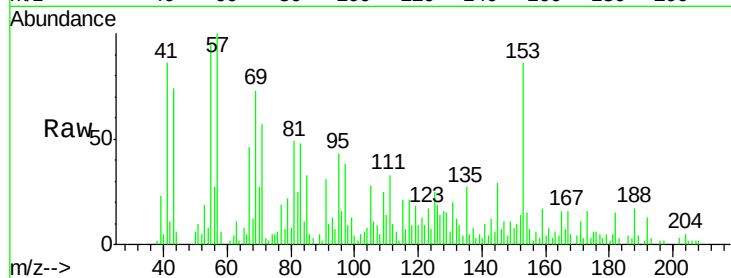
Delta R.T. -0.13 min

Lab File: BF103131.D

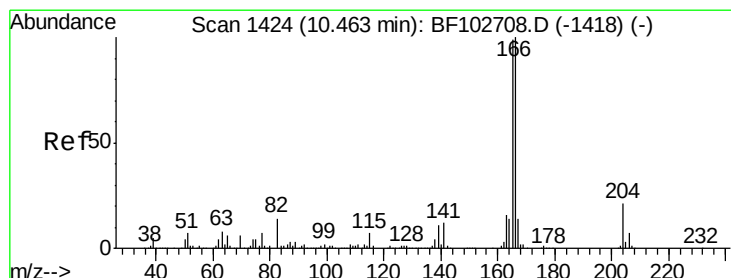
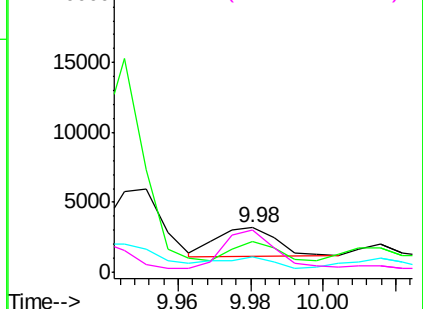
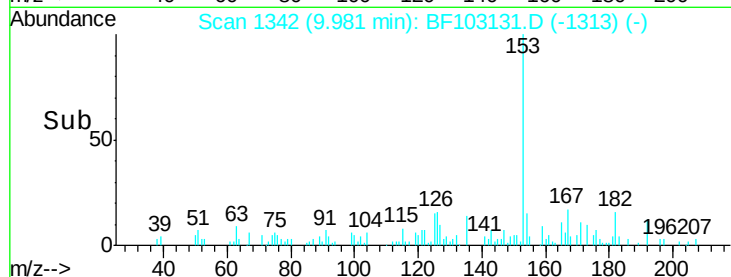
Acq: 21 Feb 2018 12:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	165	Resp:	2435
Ion	Ratio	Lower	Upper
165	100		
63	70.0	36.4	54.6#
89	33.0	57.8	86.6#
182	95.6	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: 22.655 ng

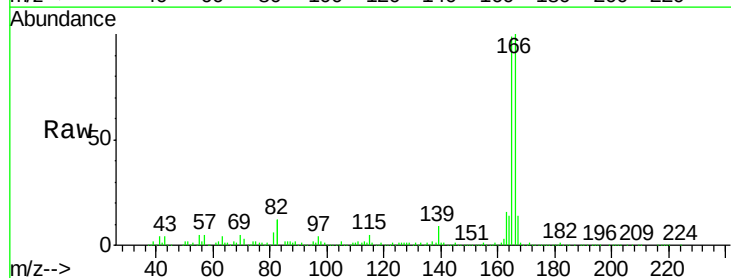
RT: 10.46 min Scan# 1424

Delta R.T. -0.01 min

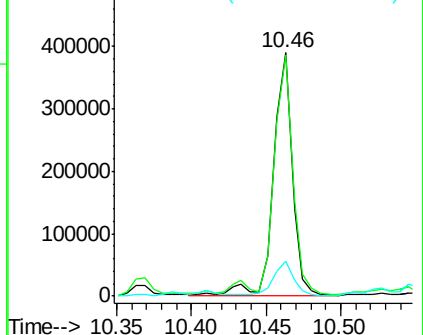
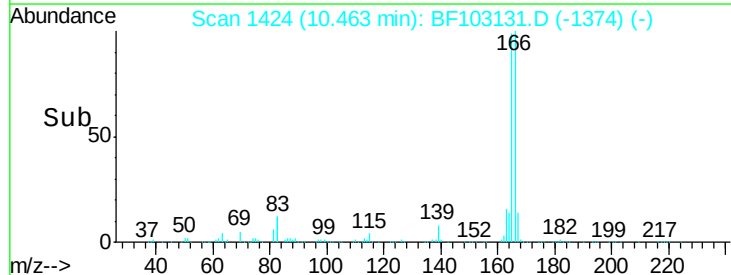
Lab File: BF103131.D

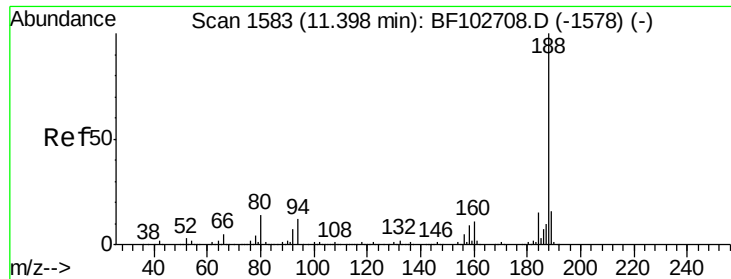
Acq: 21 Feb 2018 12:57

Tgt Ion:	166	Resp:	340067
Ion	Ratio	Lower	Upper
166	100		
165	99.2	79.8	119.8
167	14.1	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

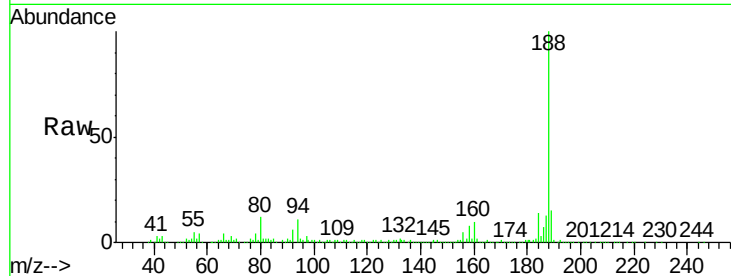




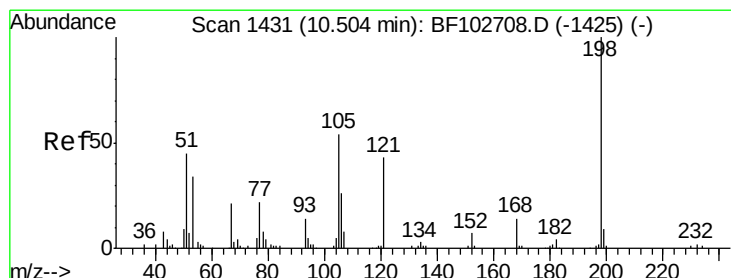
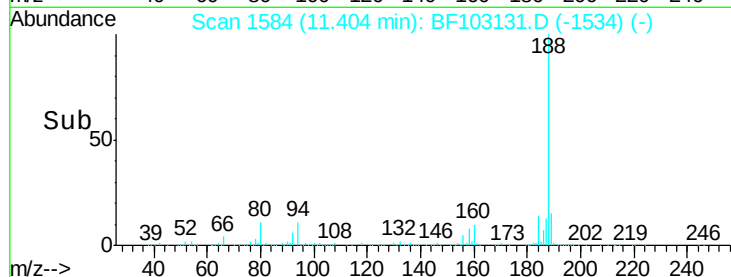
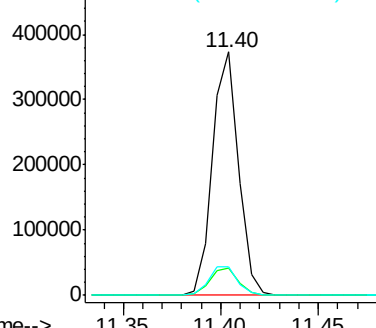
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 344350
Ion Ratio Lower Upper
188 100
94 11.4 8.5 12.7
80 11.7 9.2 13.8

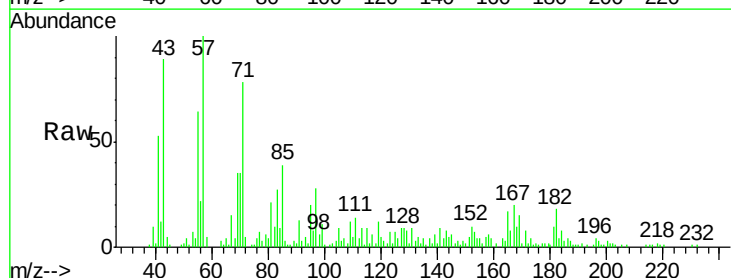


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

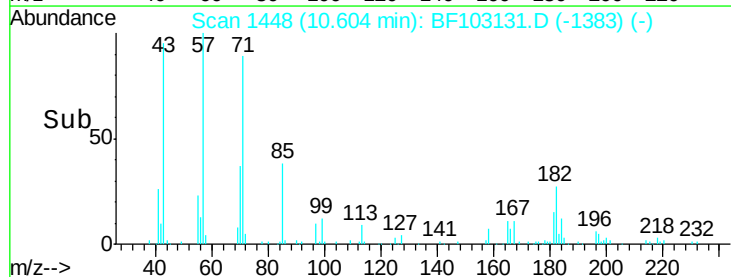
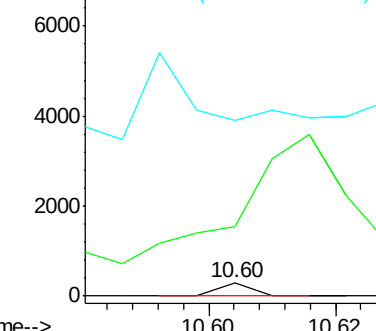


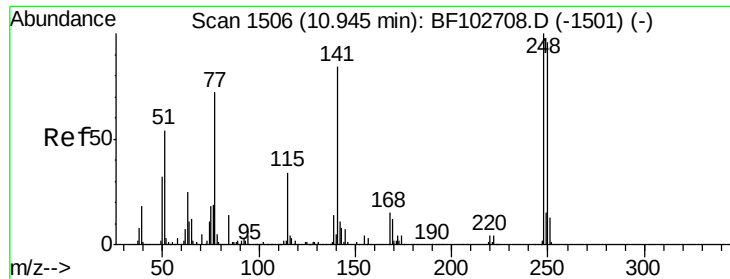
#64
4,6-Dinitro-2-methylphenol
Concen: 8.862 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.08 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

Tgt Ion:198 Resp: 109
Ion Ratio Lower Upper
198 100
51 506.2 37.7 77.7#
105 1270.8 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

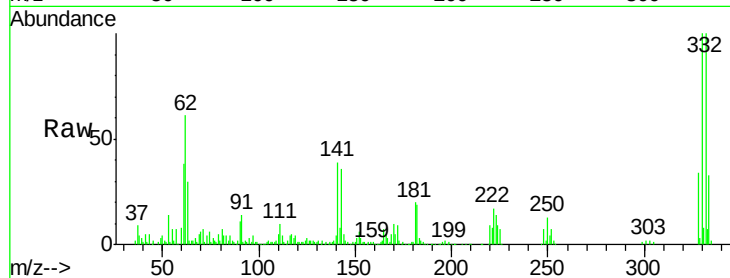




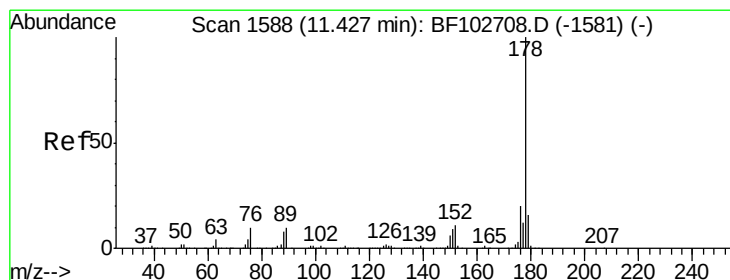
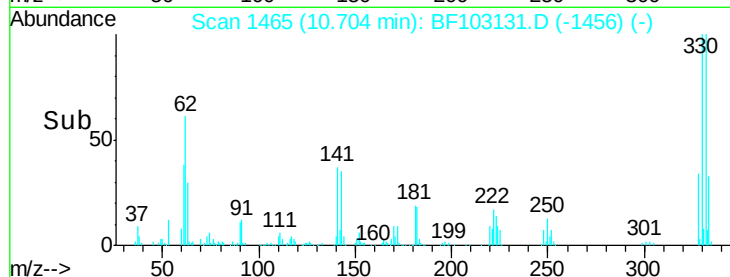
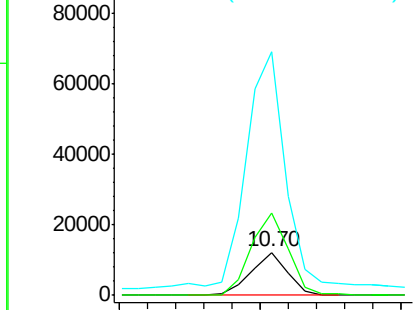
#66
 4-Bromophenyl-phenylether
 Concen: 3.012 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 10973
 Ion Ratio Lower Upper
 248 100
 250 189.9 76.9 115.3#
 141 564.8 74.4 111.6#

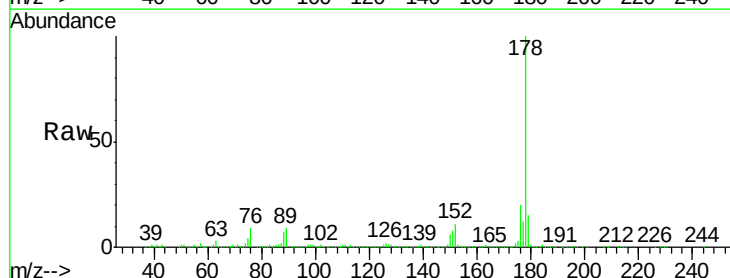


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

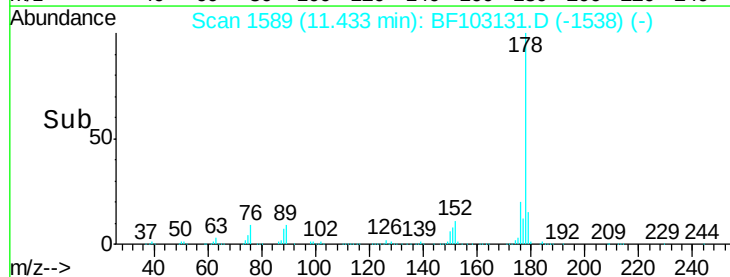
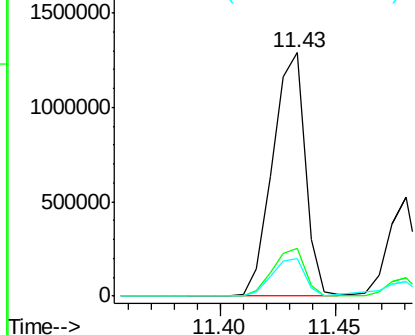


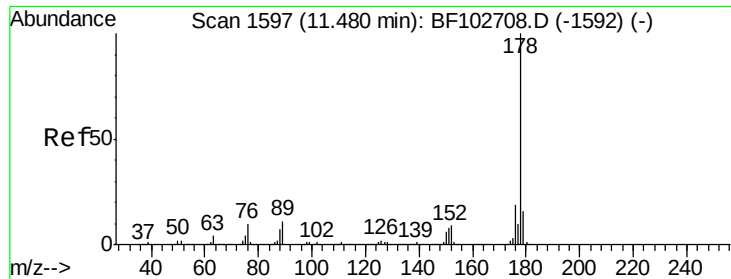
#70
 Phenanthrene
 Concen: 65.763 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Tgt Ion:178 Resp: 1261213
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.4 13.0 19.6



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





#71

Anthracene

Concen: 21.441 ng

RT: 11.48 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampleId :

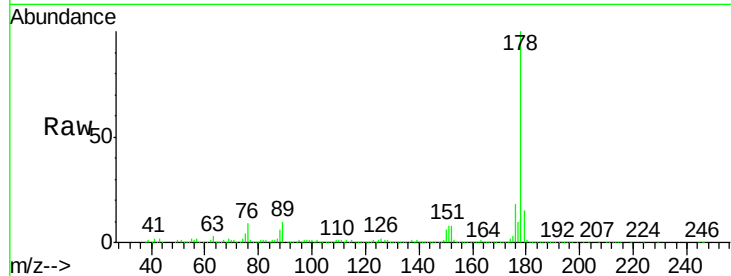
Tot Ion:178 Resp: 418234

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.9	12.6	19.0

178 100

176 18.5 15.4 23.2

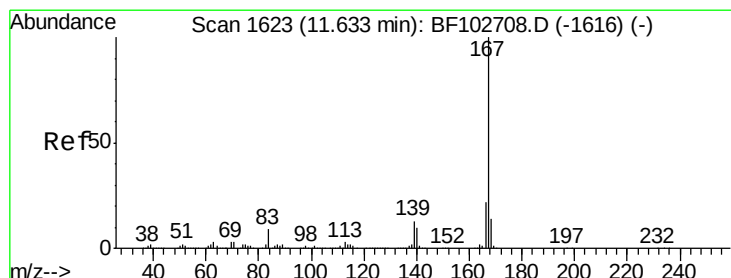
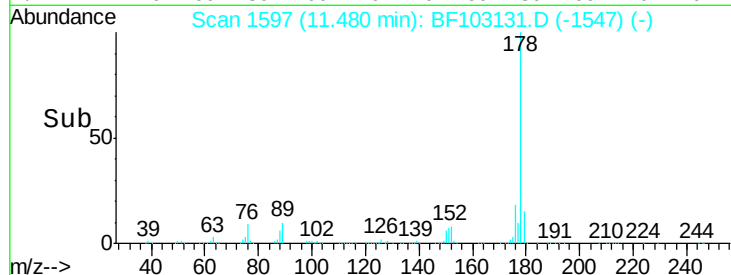
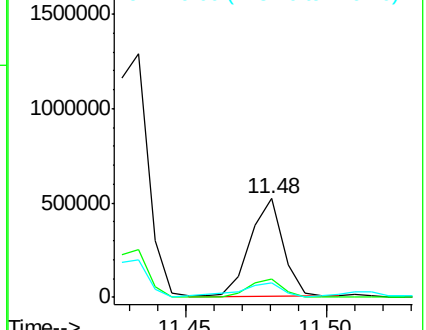
179 14.9 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 6.785 ng

RT: 11.63 min Scan# 1623

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

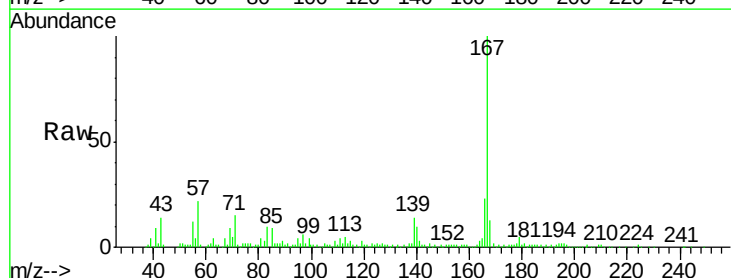
Tgt Ion:167 Resp: 129653

Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	13.9	10.9	16.3

167 100

166 22.7 17.6 26.4

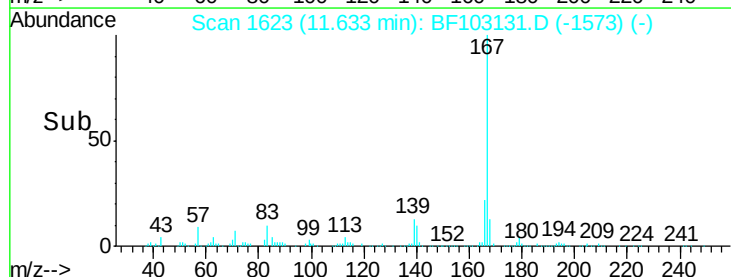
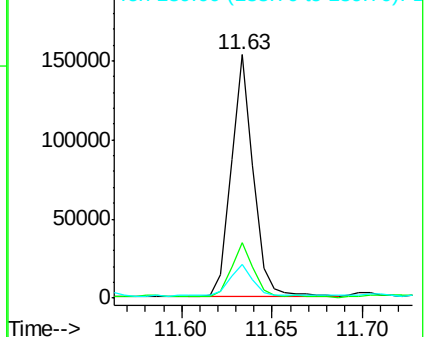
139 13.9 10.9 16.3

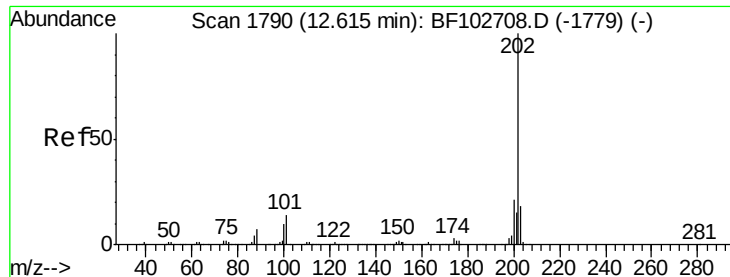


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 55.913 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampled :

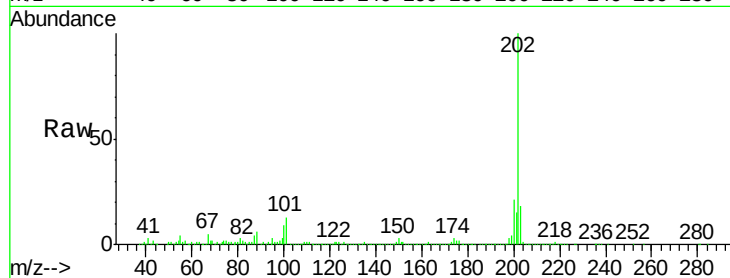
Tot Ion:202 Resp: 1078869

Ion Ratio Lower Upper

202 100

101 13.4 0.0 34.1

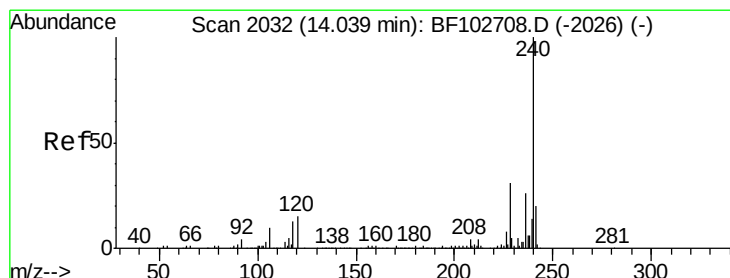
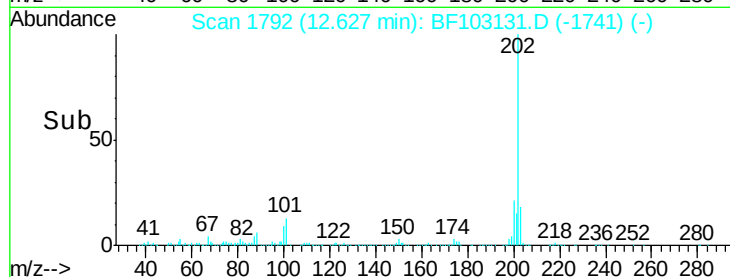
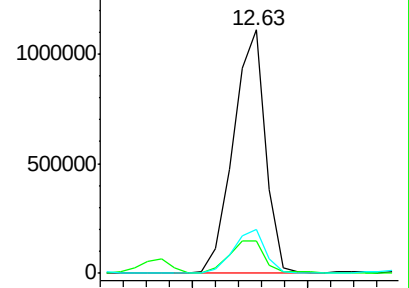
203 17.8 0.0 38.1



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: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

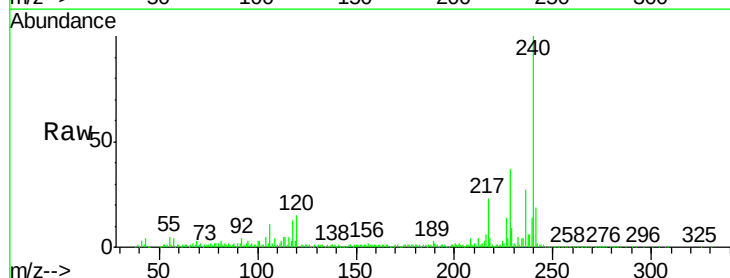
Tgt Ion:240 Resp: 275230

Ion Ratio Lower Upper

240 100

120 14.5 9.5 14.3#

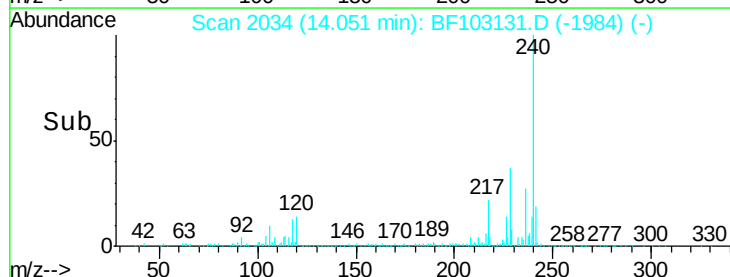
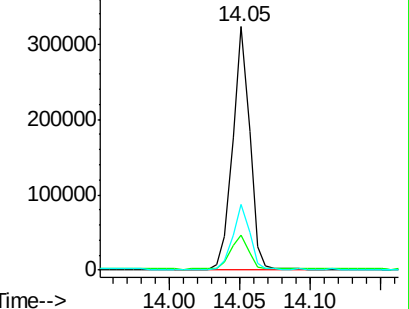
236 26.9 20.7 31.1

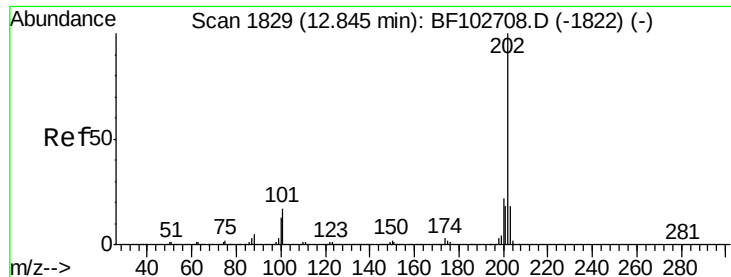


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 44.473 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampled :

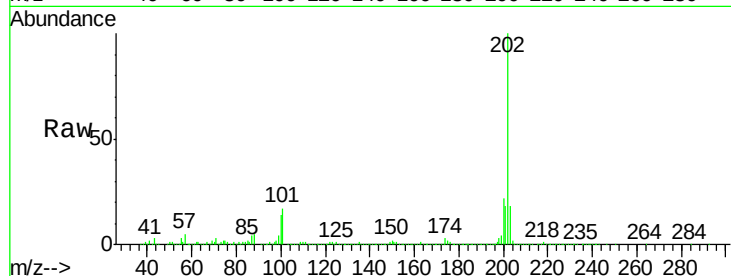
Tot Ion:202 Resp: 959836

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

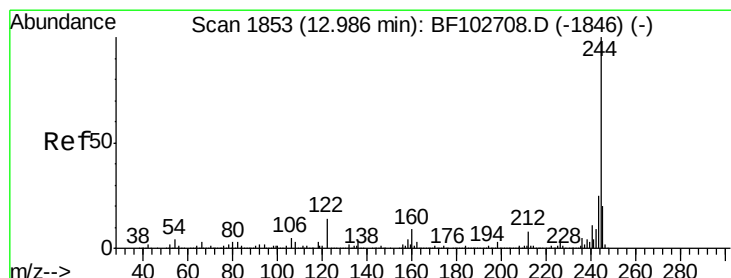
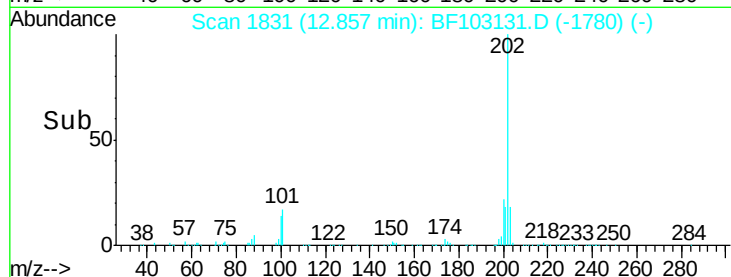
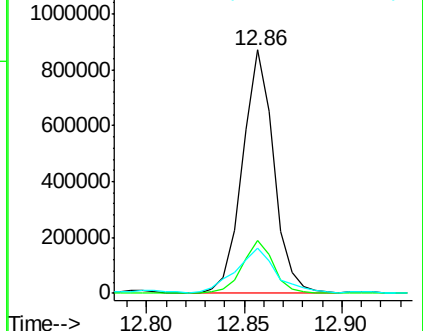
203 18.4 14.3 21.5



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: 52.932 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

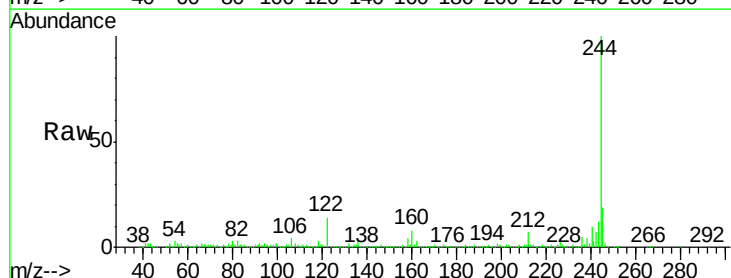
Tgt Ion:244 Resp: 615278

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

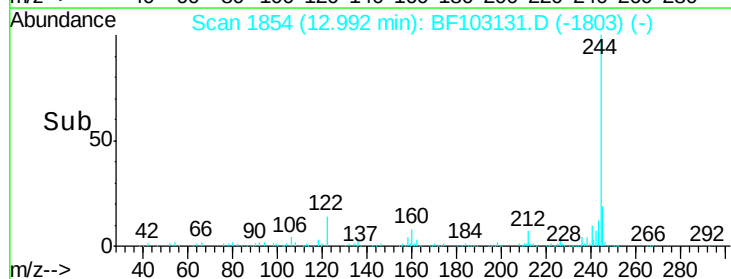
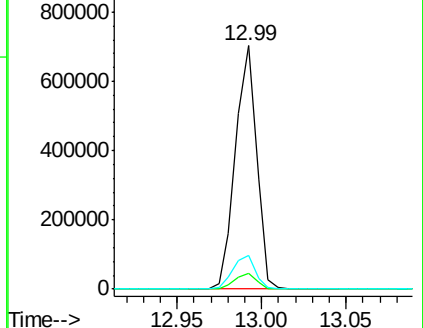
122 14.0 11.0 16.4

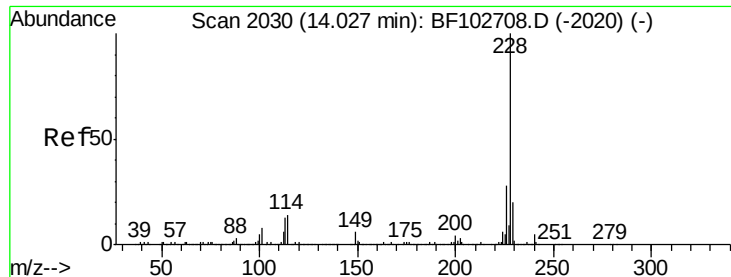


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 31.806 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

Instrument :

BNA_F

ClientSampleId :

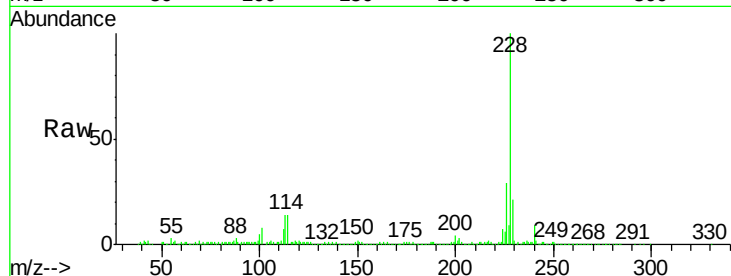
Tot Ion:228 Resp: 550540

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

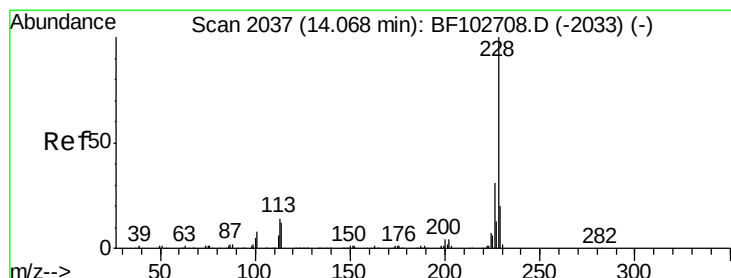
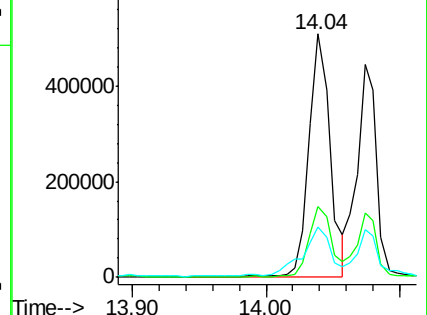
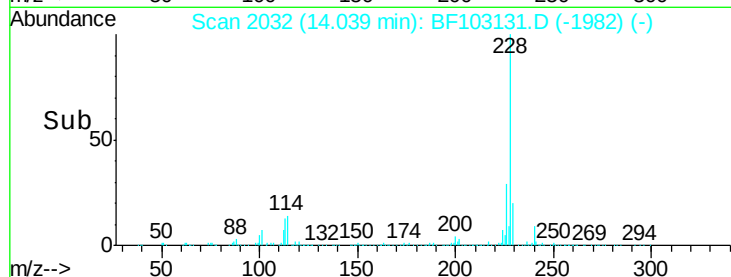
229 20.8 15.8 23.6



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: 26.129 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF103131.D

Acq: 21 Feb 2018 12:57

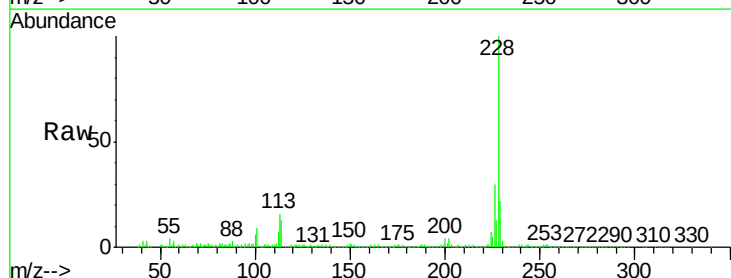
Tgt Ion:228 Resp: 455917

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

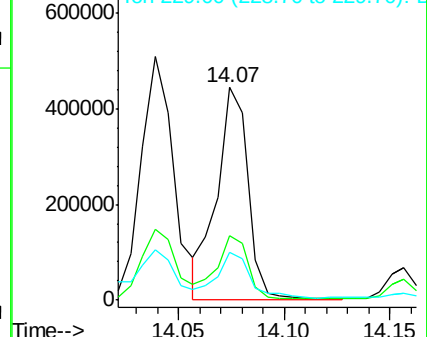
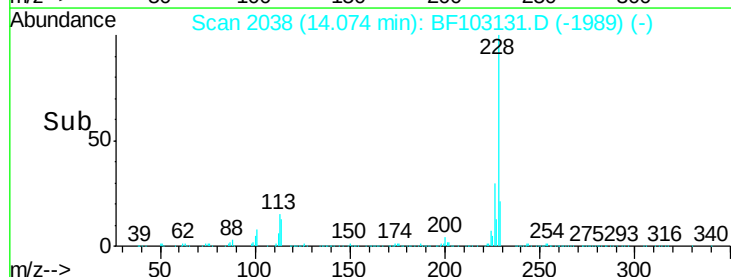
229 22.2 16.2 24.4

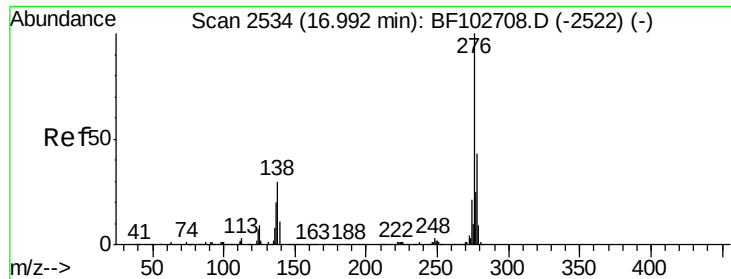


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

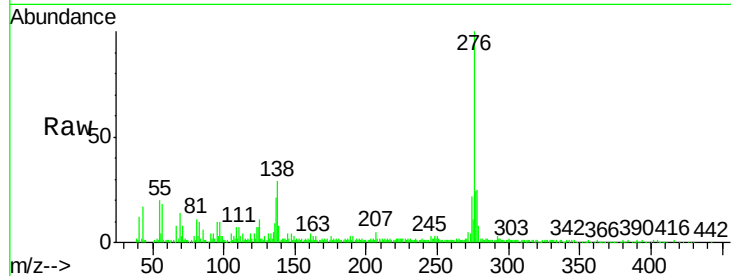




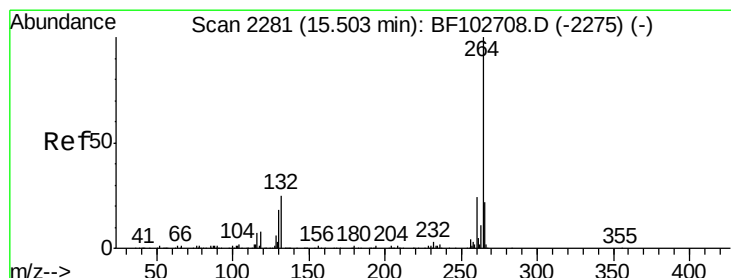
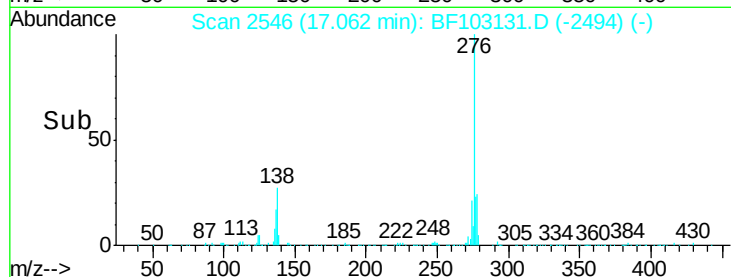
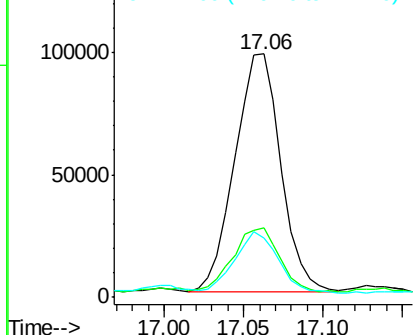
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.453 ng
 RT: 17.06 min Scan# 2546
 Delta R.T. 0.01 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	27.4	25.0	37.6
277	24.6	20.1	30.1

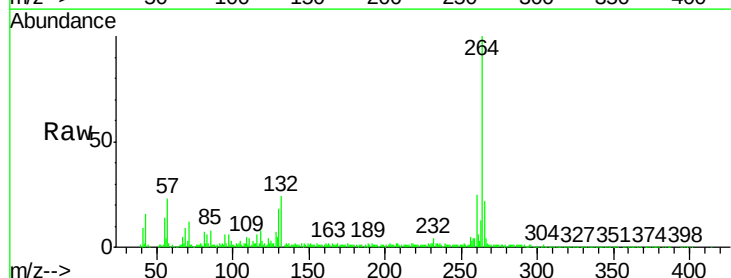


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

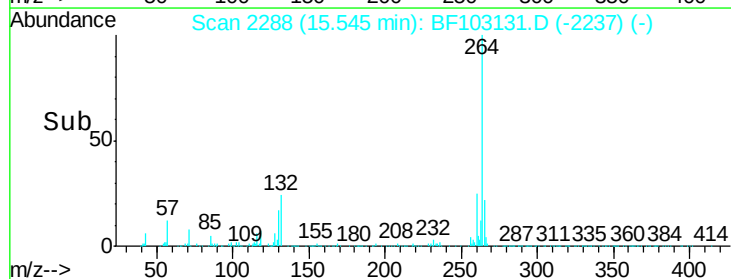
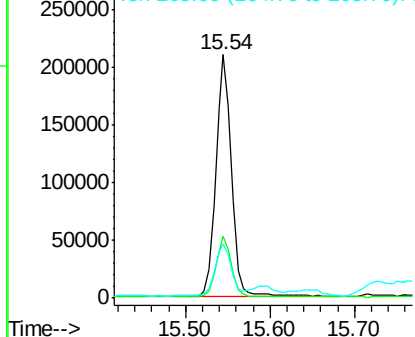


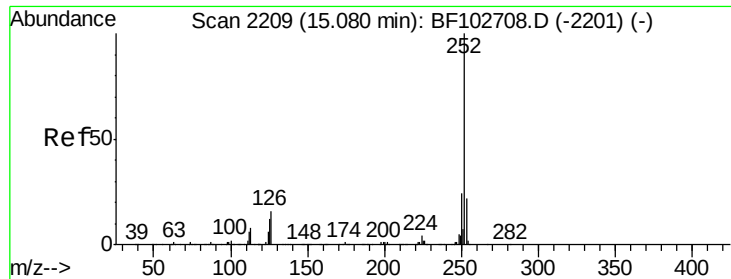
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2288
 Delta R.T. 0.00 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	22.4	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

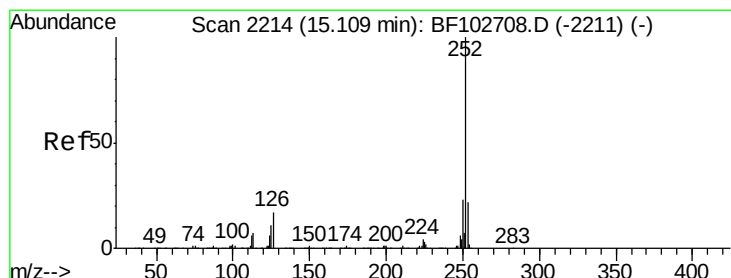
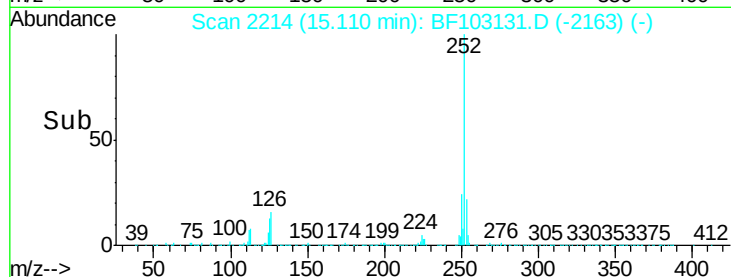
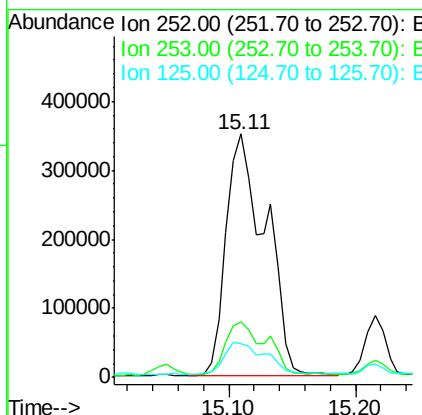
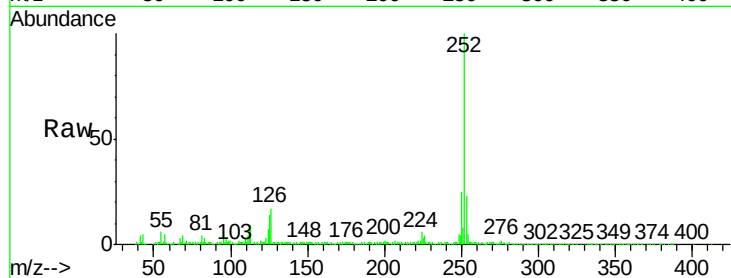




#87
Benzo(b)fluoranthene
Concen: 42.404 ng
RT: 15.11 min Scan# 2214
Delta R.T. 0.00 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

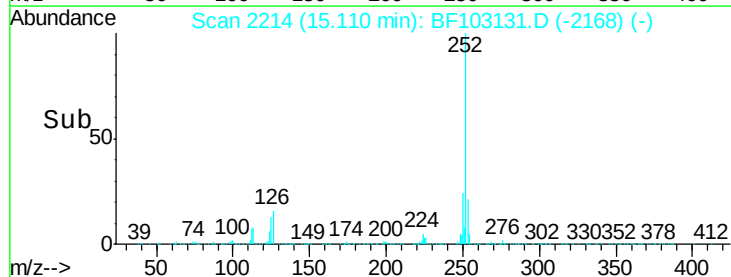
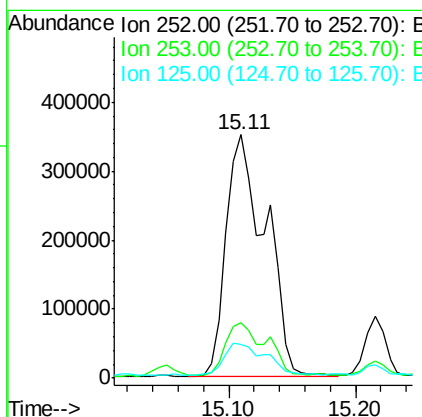
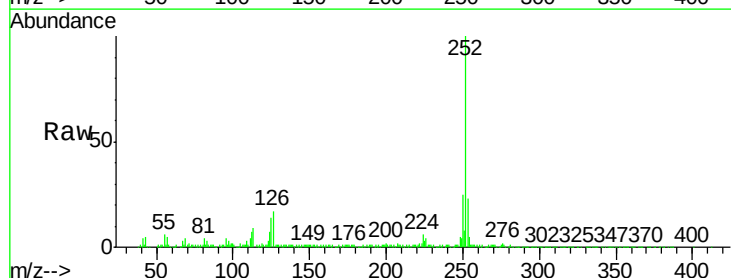
Instrument :
BNA_F
ClientSampleId :

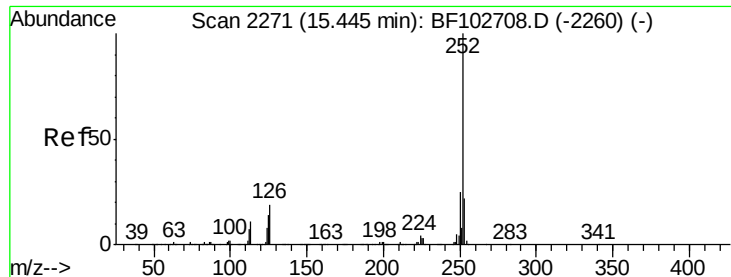
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	14.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 44.379 ng
RT: 15.11 min Scan# 2214
Delta R.T. -0.03 min
Lab File: BF103131.D
Acq: 21 Feb 2018 12:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	14.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 24.116 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BF103131.D

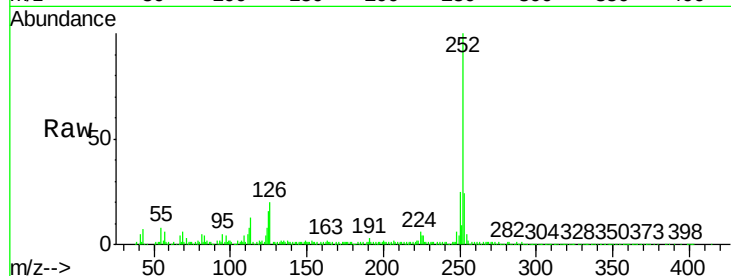
Acq: 21 Feb 2018 12:57

Instrument :

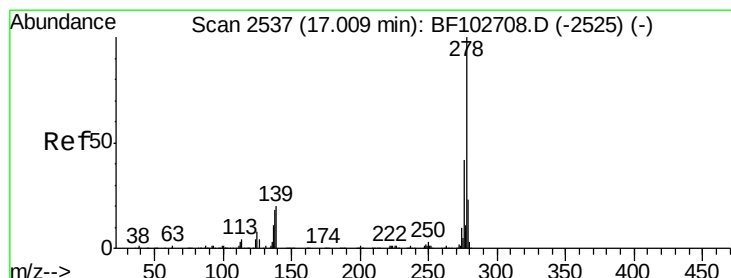
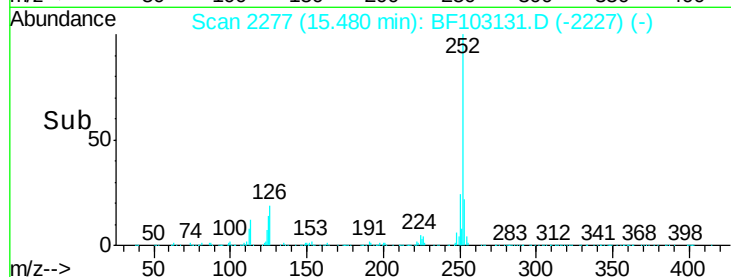
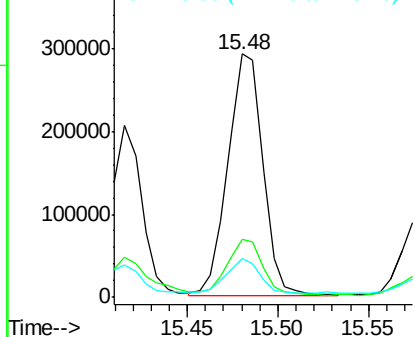
BNA_F

ClientSampleId :

Tot Ion:	252	Resp:	391467
Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	15.8	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: 3.875 ng

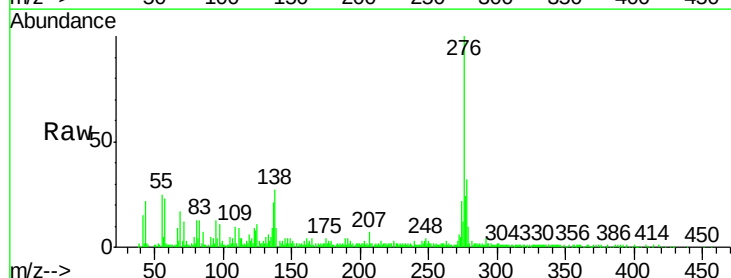
RT: 17.07 min Scan# 2547

Delta R.T. -0.01 min

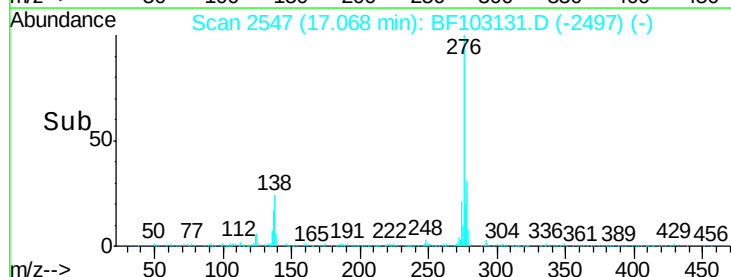
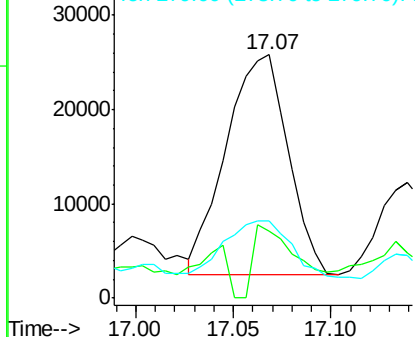
Lab File: BF103131.D

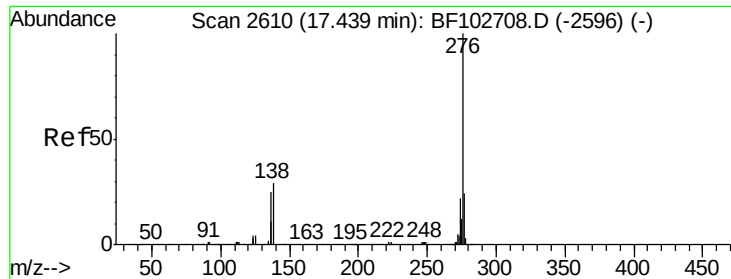
Acq: 21 Feb 2018 12:57

Tgt Ion:	278	Resp:	51057
Ion	Ratio	Lower	Upper
278	100		
139	27.6	15.9	23.9#
279	31.5	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(a,h,i)perylene
 Concen: 13.252 ng
 RT: 17.52 min Scan# 2624
 Delta R.T. 0.00 min
 Lab File: BF103131.D
 Acq: 21 Feb 2018 12:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	28.8	21.8	32.8

