

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103997.D
 Acq On : 28 Mar 2018 4:48
 Operator : JU/SJ
 Sample : J2073-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 07:13:14 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	143065	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	564849	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	247836	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	389952	20.00	ng	0.00
75) Chrysene-d12	14.17	240	256769	20.00	ng	0.00
86) Perylene-d12	15.71	264	229365	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	876308	93.16	ng	0.01
7) Phenol-d6	6.60	99	1069094	92.90	ng	0.00
23) Nitrobenzene-d5	7.53	82	619056	76.43	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	223782	105.02	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	741424	47.72	ng	-0.01
78) Terphenyl-d14	13.09	244	515806	46.63	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.62	94	26184	2.141	ng	# 51
19) n-Nitroso-di-n-propylamine	7.53	70	79607	10.794	ng	# 71
25) Isophorone	7.53	82	619052	33.015	ng	# 64
26) 2-Nitrophenol	7.82	139	410	9.537	ng	# 1
31) Naphthalene	8.27	128	836987	29.334	ng	100
32) Benzoic acid	8.04	122	3046	10.332	ng	# 55
33) 4-Chloroaniline	8.27	127	112041	9.360	ng	# 35
37) 2-Methylnaphthalene	8.96	142	153827	8.501	ng	98
45) 1,1'-Biphenyl	9.43	154	49163	2.379	ng	97
47) 2-Nitroaniline	9.54	65	266	6.867	ng	# 45
48) Acenaphthylene	9.87	152	447713	17.590	ng	100
49) Dimethylphthalate	9.72	163	132653	7.015	ng	99
50) 2,6-Dinitrotoluene	9.84	165	1438	4.344	ng	# 81
51) Acenaphthene	10.05	154	127032	8.405	ng	99
52) 3-Nitroaniline	9.95	138	252	3.867	ng	# 51
53) 2,4-Dinitrophenol	10.29	184	503	7.355	ng	# 44
54) Dibenzofuran	10.22	168	155867	7.221	ng	99
55) 4-Nitrophenol	10.37	139	1893	5.483	ng	90
56) 2,4-Dinitrotoluene	10.18	165	1985	6.586	ng	# 76
57) Fluorene	10.56	166	262788	15.689	ng	99
61) 4-Nitroaniline	10.56	138	2888	4.380	ng	# 37
64) 4,6-Dinitro-2-methylphenol	10.80	198	605	8.581	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	13280	3.317	ng	# 1
70) Phenanthrene	11.54	178	1338990	62.771	ng	99
71) Anthracene	11.59	178	483289	22.307	ng	99
72) Carbazole	11.74	167	107302	5.096	ng	99
74) Fluoranthene	12.75	202	1732420	78.832	ng	98
77) Pyrene	12.97	202	1601505	84.929	ng	99
80) Benzo(a)anthracene	14.16	228	1027057	63.190	ng	97
82) Chrysene	14.19	228	797251	51.457	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	423844	31.325	ng	# 92
87) Benzo(b)fluoranthene	15.26	252	1409159	97.246	ng	# 95
88) Benzo(k)fluoranthene	15.26	252	1409159	101.164	ng	98
89) Benzo(a)pyrene	15.65	252	788021	59.956	ng	97

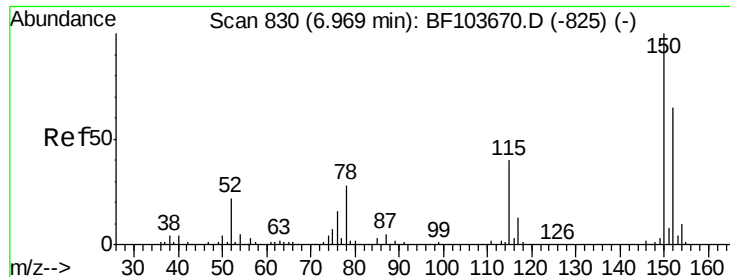
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Dibenzo(a,h)anthracene	17.30	278	118282	10.393	ng	96
91) Benzo(g,h,i)perylene	17.79	276	393639	35.554	ng	98

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

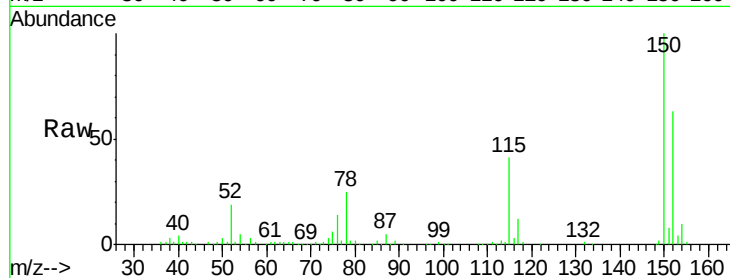


#1

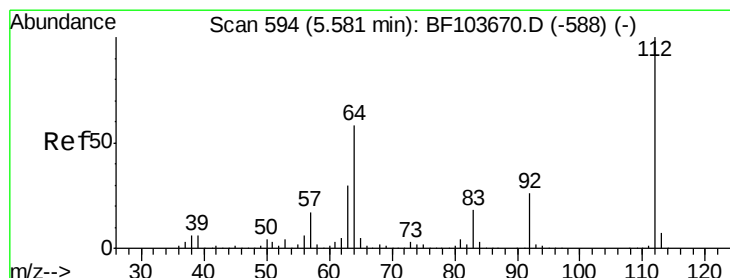
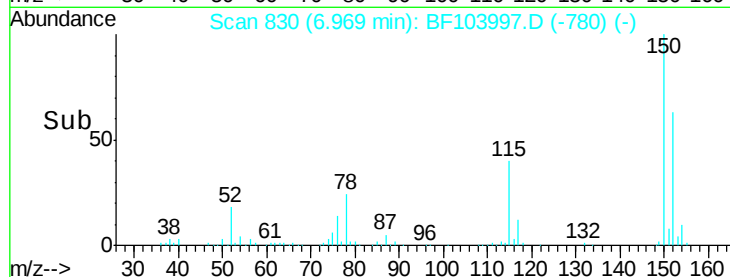
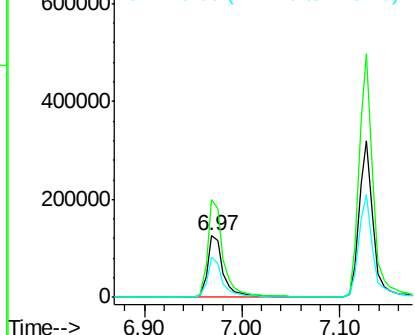
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143065
Ion Ratio Lower Upper
152 100
150 158.7 124.6 186.8
115 64.5 50.1 75.1



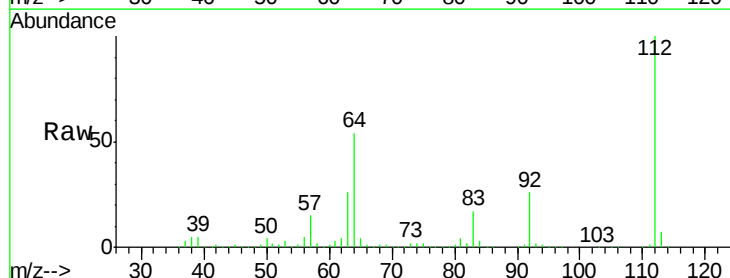
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



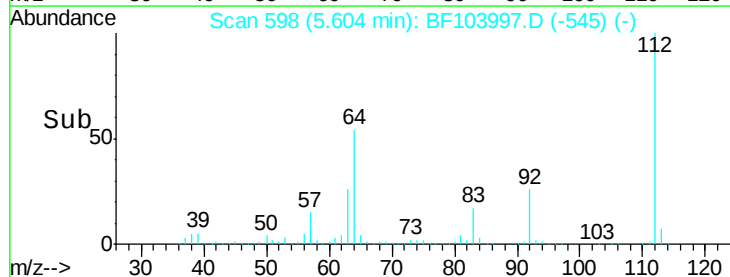
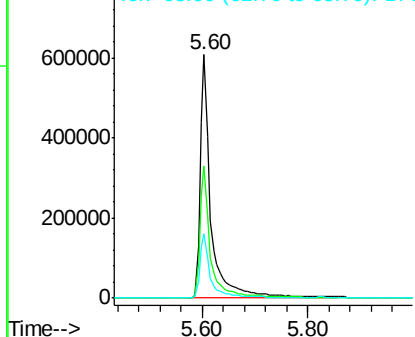
#5

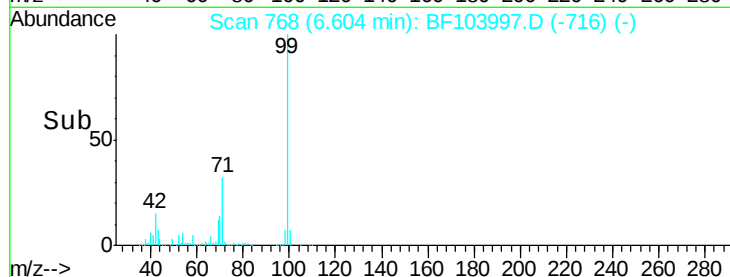
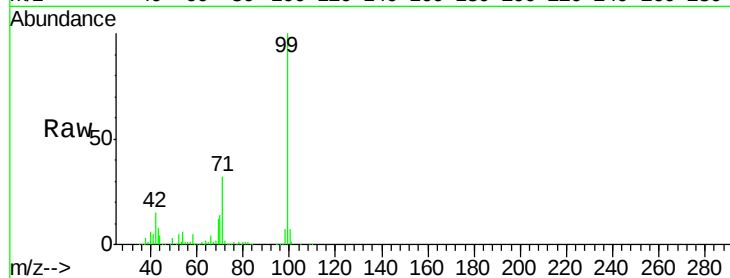
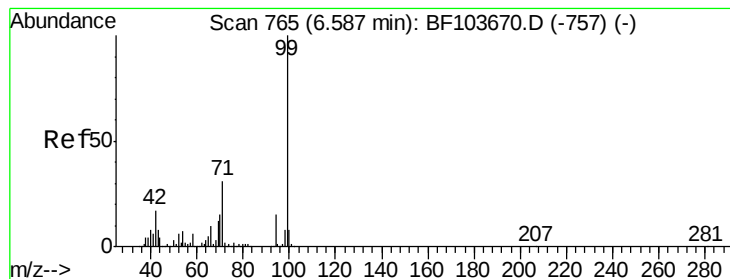
2-Fluorophenol
Concen: 93.165 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:112 Resp: 876308
Ion Ratio Lower Upper
112 100
64 54.5 47.9 71.9
63 26.4 23.7 35.5



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





#7

Phenol-d6

Concen: 92.903 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampled :

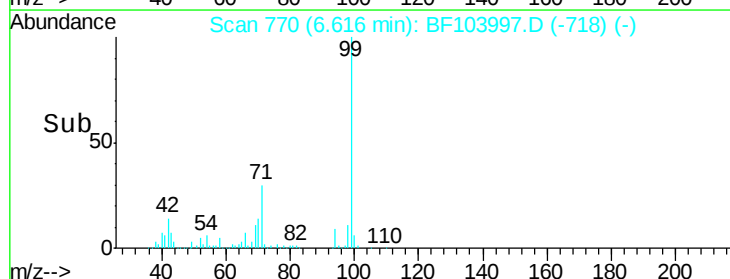
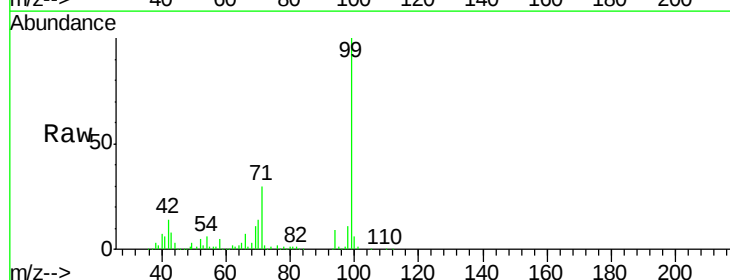
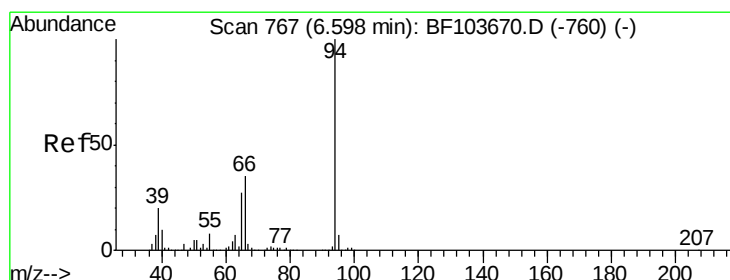
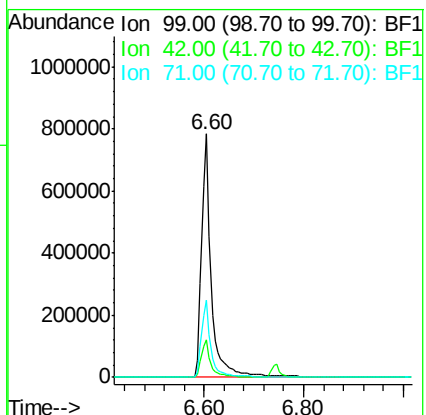
Tot Ion: 99 Resp: 1069094

Ion Ratio Lower Upper

99 100

42 15.2 14.5 21.7

71 31.5 25.4 38.0



#10

Phenol

Concen: 2.141 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

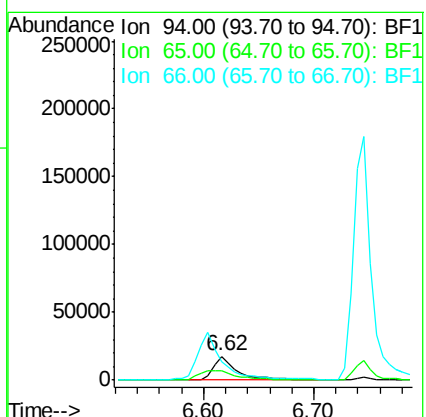
Tgt Ion: 94 Resp: 26184

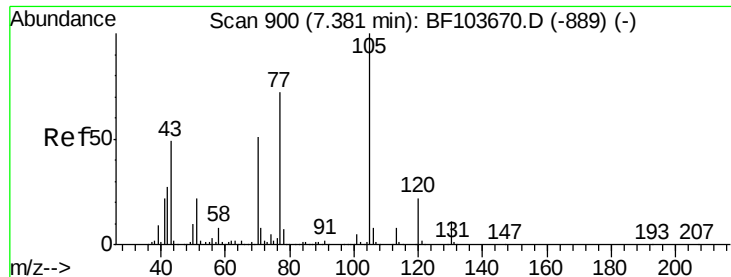
Ion Ratio Lower Upper

94 100

65 37.2 7.9 47.9

66 79.2 16.2 56.2#

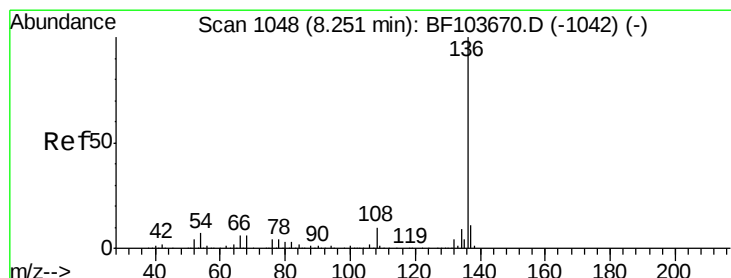
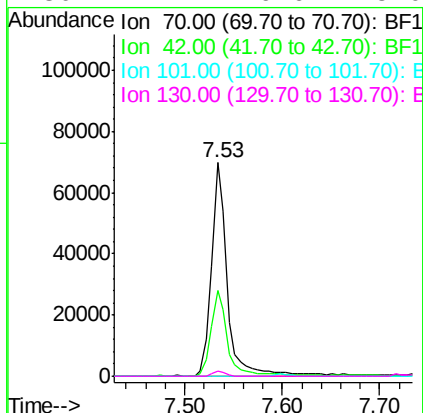
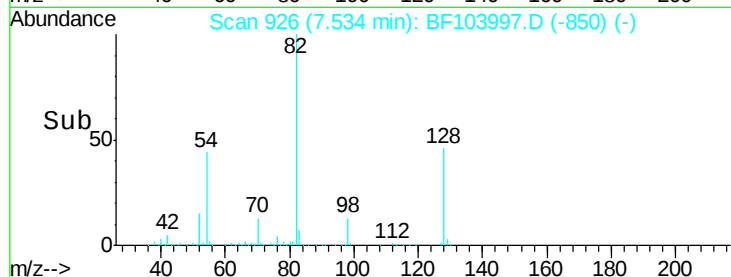
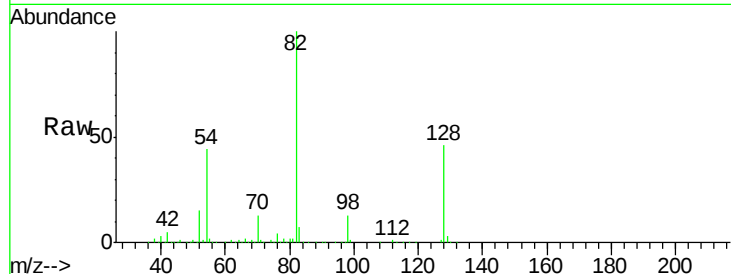




#19
n-Nitroso-di-n-propylamine
Concen: 10.794 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.15 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

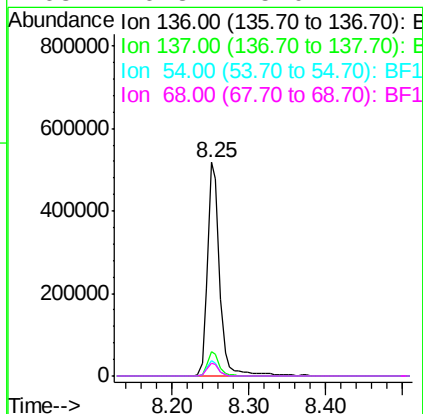
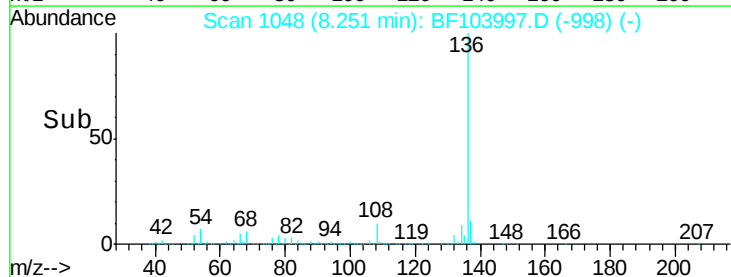
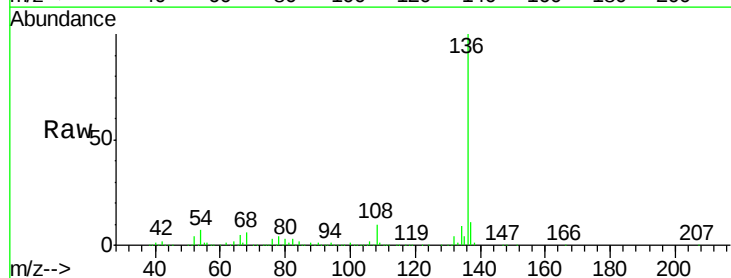
Instrument :
BNA_F
ClientSampleId :

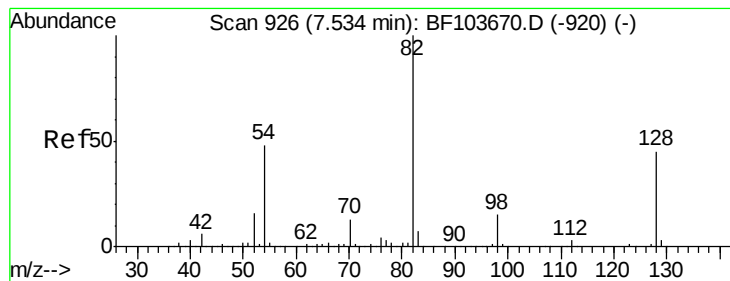
Tot Ion: 70 Resp: 79607
Ion Ratio Lower Upper
70 100
42 40.4 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:136 Resp: 564849
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.0 6.6 9.8
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 76.428 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

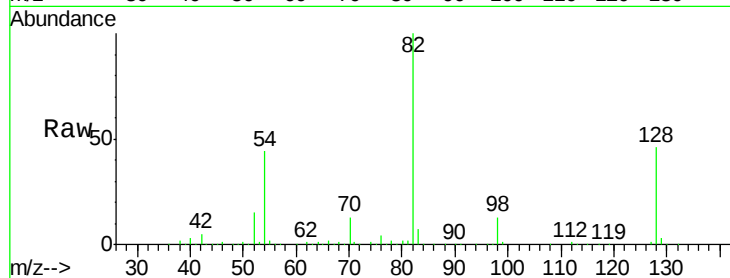
Tot Ion: 82 Resp: 619056

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

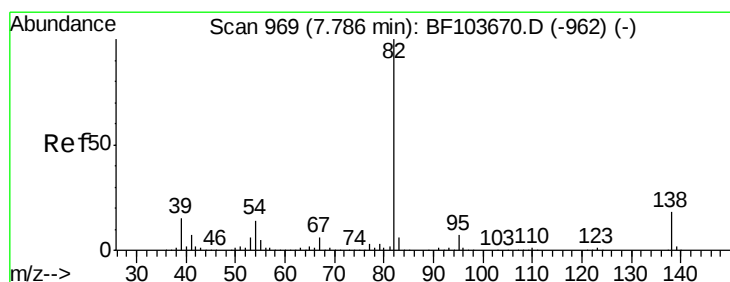
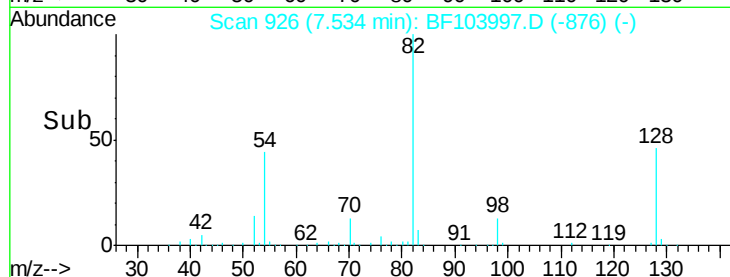
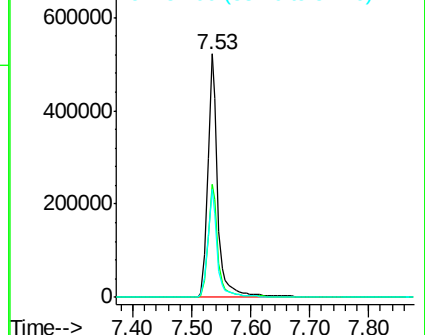
54 44.1 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 33.015 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

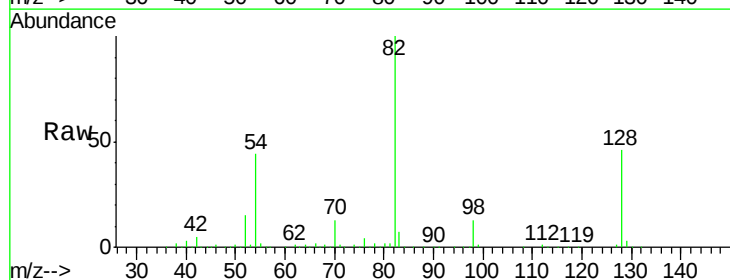
Tgt Ion: 82 Resp: 619052

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

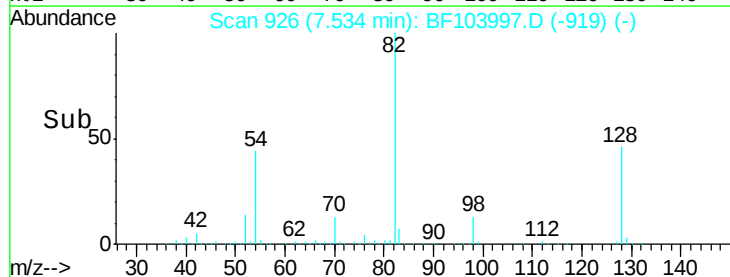
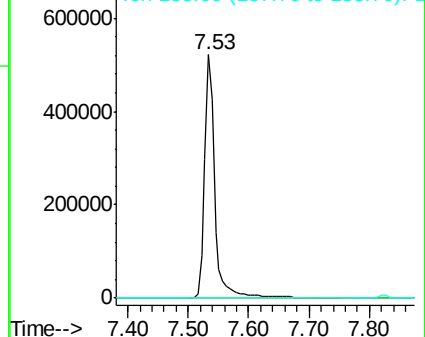
138 0.0 14.9 22.3#

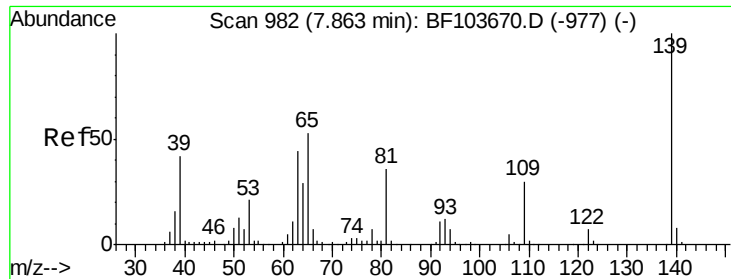


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

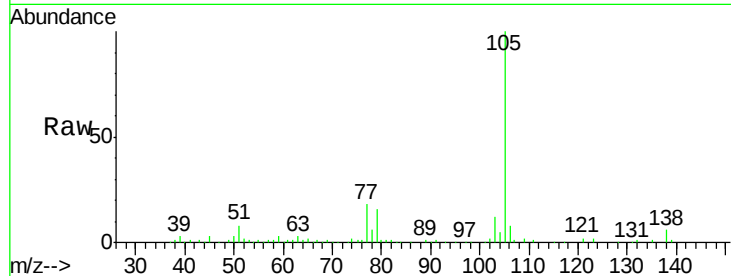




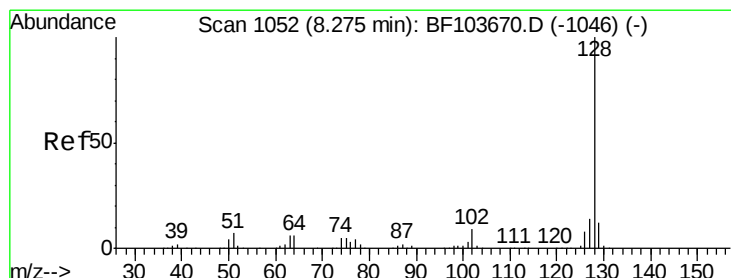
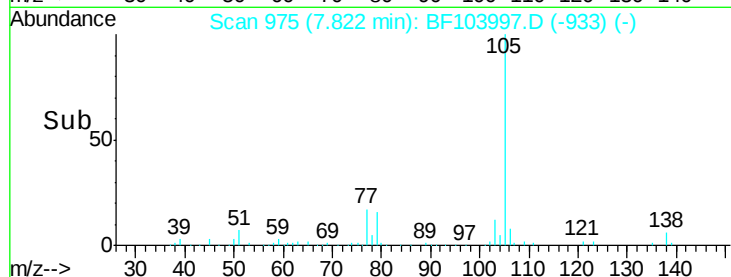
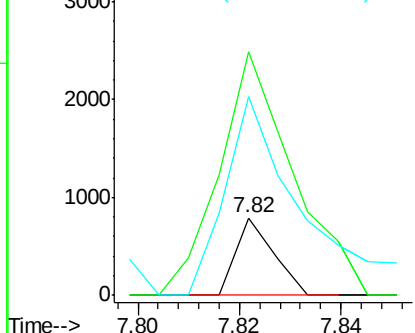
#26
2-Nitrophenol
Concen: 9.537 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.05 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 410
Ion Ratio Lower Upper
139 100
109 313.4 22.7 34.1#
65 255.3 40.5 60.7#

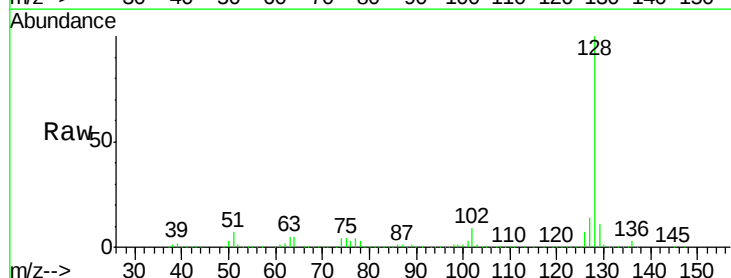


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

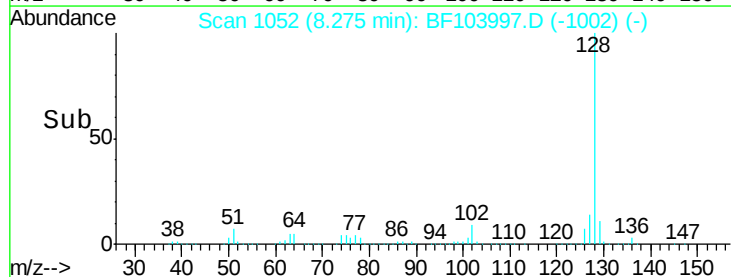
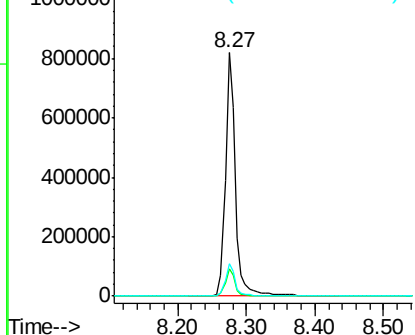


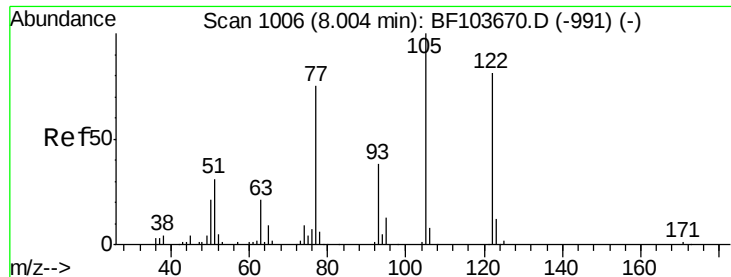
#31
Naphthalene
Concen: 29.334 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:128 Resp: 836987
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.6 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

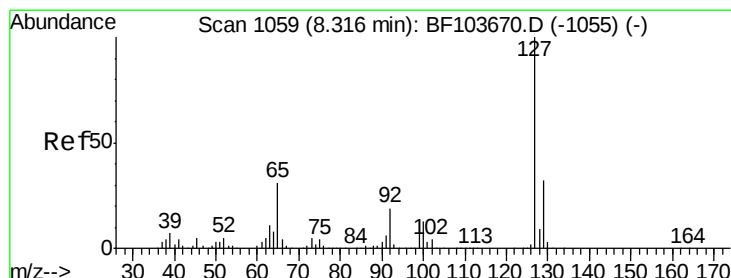
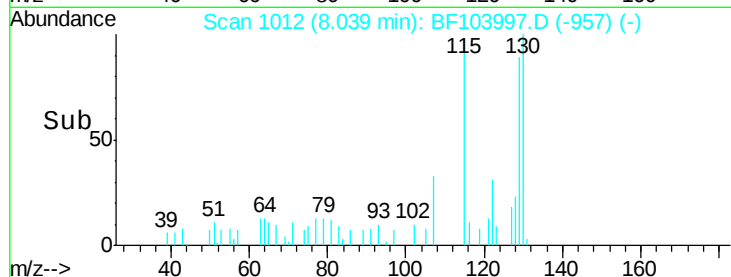
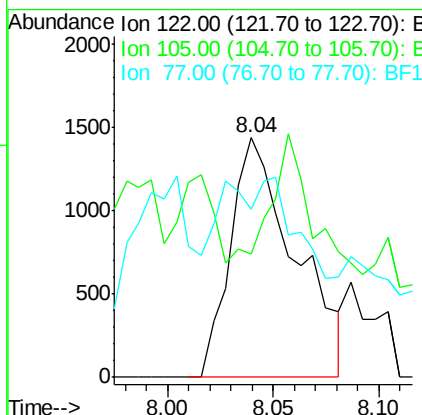
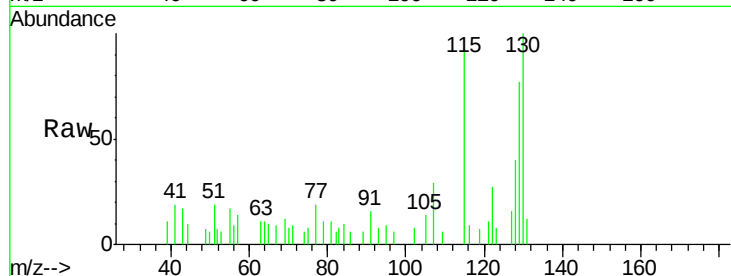




#32
Benzoic acid
Concen: 10.332 ng
RT: 8.04 min Scan# 1012
Delta R.T. 0.02 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

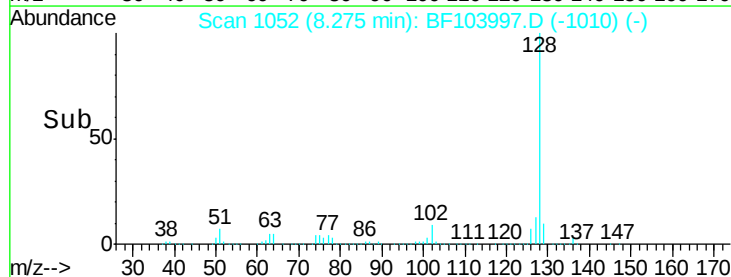
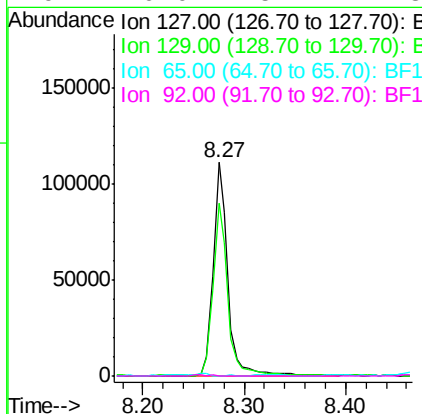
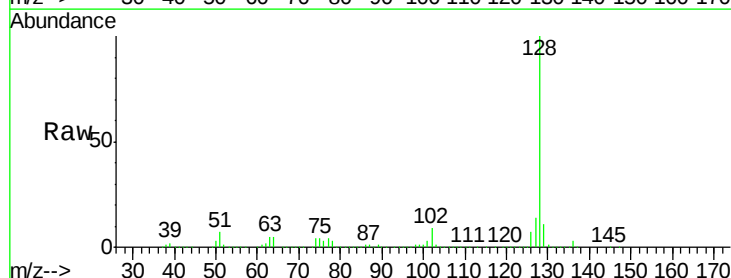
Instrument :
BNA_F
ClientSampleId :

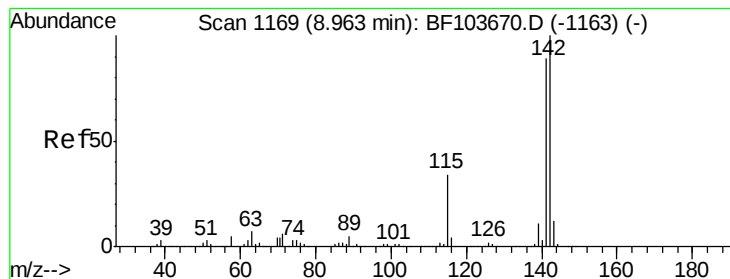
Tot Ion:122 Resp: 3046
Ion Ratio Lower Upper
122 100
105 51.7 101.1 141.1#
77 70.3 70.7 110.7#



#33
4-Chloroaniline
Concen: 9.360 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.05 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:127 Resp: 112041
Ion Ratio Lower Upper
127 100
129 81.0 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#





#37

2-Methylnaphthalene

Concen: 8.501 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

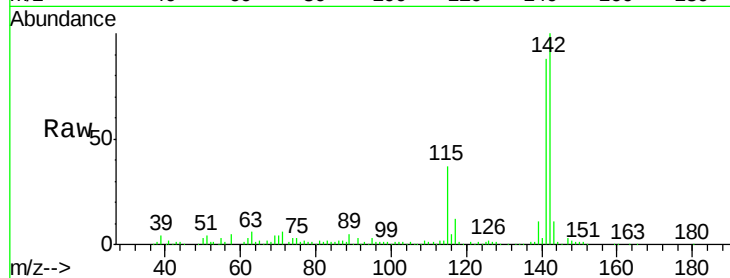
Tot Ion:142 Resp: 153827

Ion Ratio Lower Upper

142 100

141 88.3 70.8 106.2

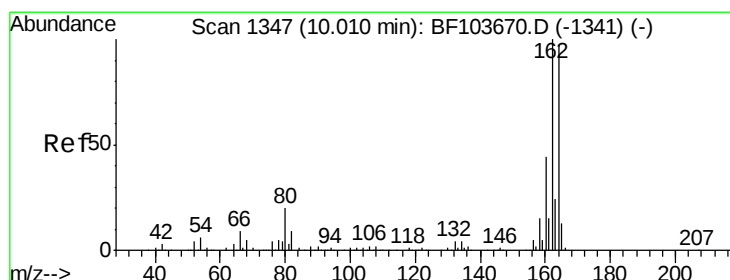
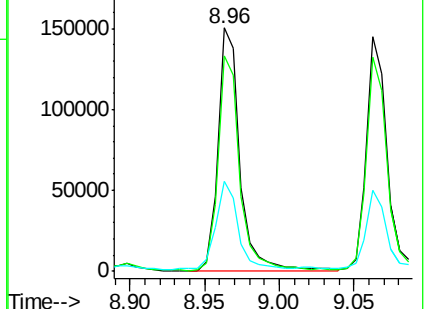
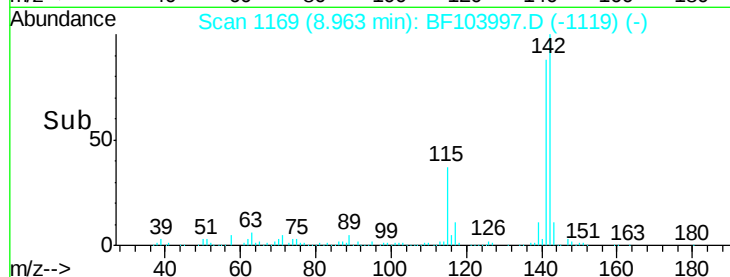
115 37.0 26.1 39.1



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

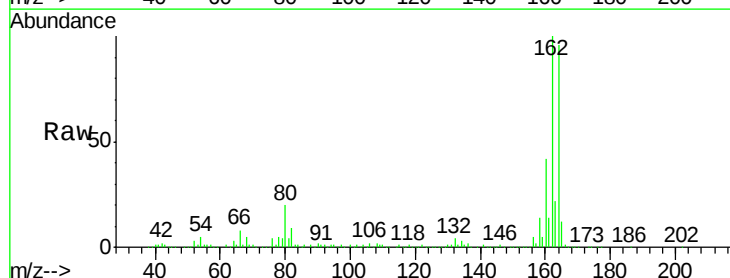
Tgt Ion:164 Resp: 247836

Ion Ratio Lower Upper

164 100

162 104.6 86.1 129.1

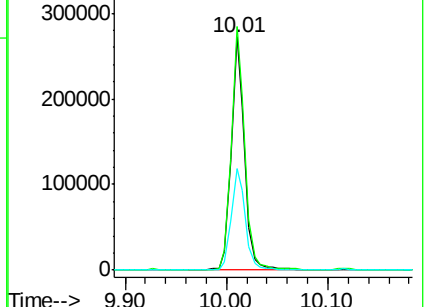
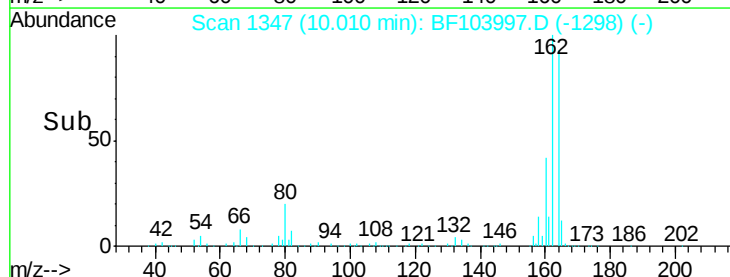
160 43.8 38.3 57.5

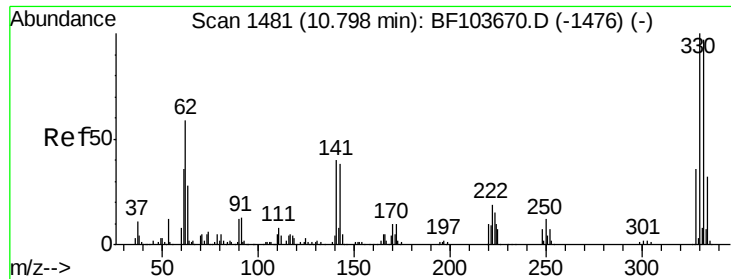


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

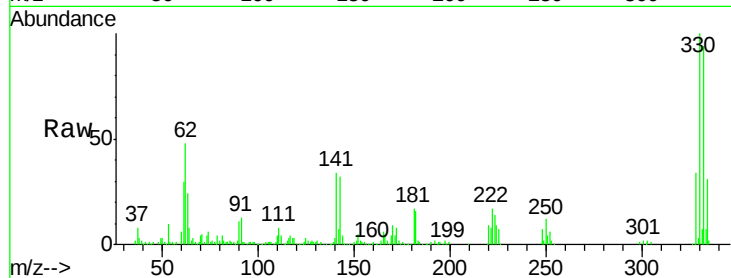




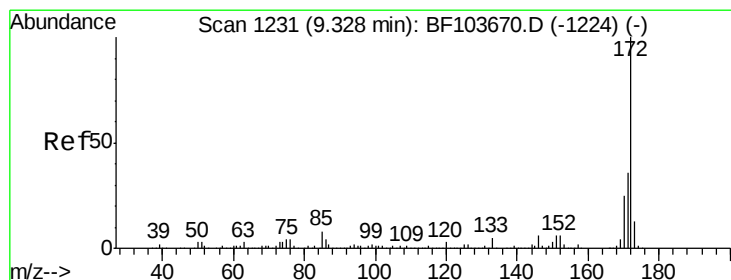
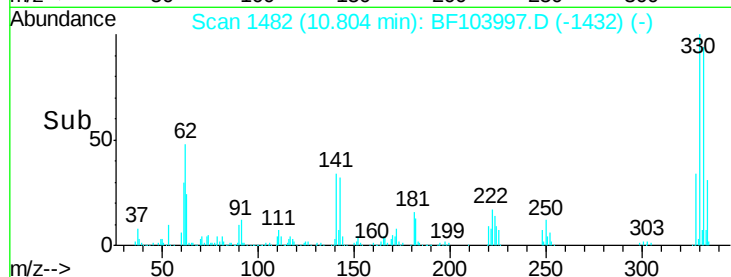
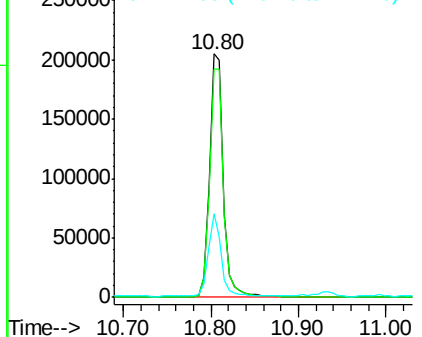
#41
 2,4,6-Tribromophenol
 Concen: 105.017 ng
 RT: 10.80 min Scan# 1482
 Delta R.T. -0.01 min
 Lab File: BF103997.D
 Acq: 28 Mar 2018 4:48

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 223782
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 32.3 29.9 44.9

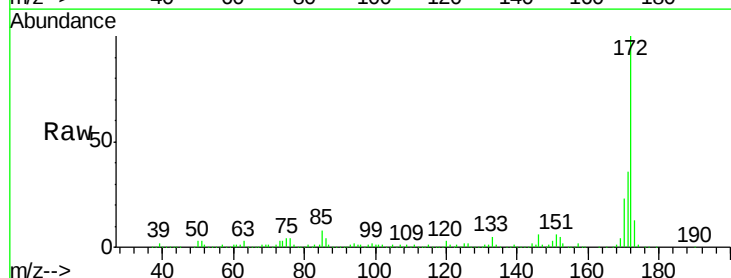


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

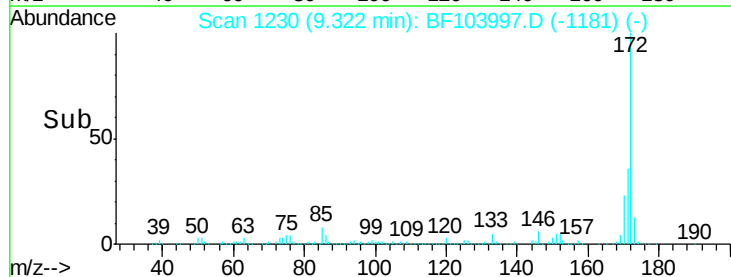
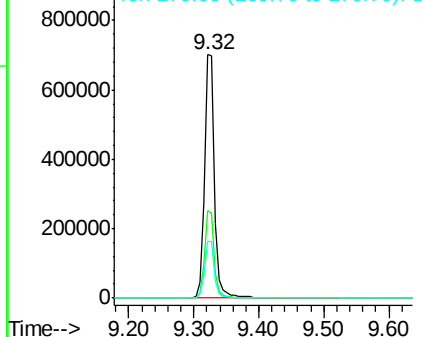


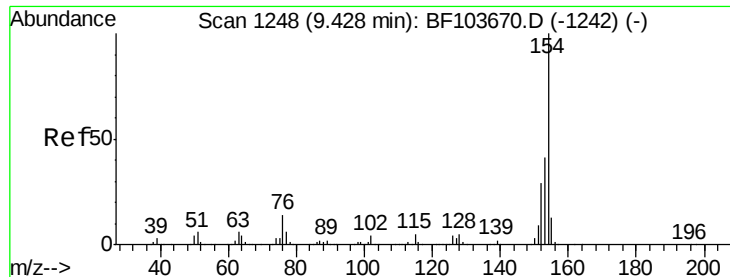
#44
 2-Fluorobiphenyl
 Concen: 47.720 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103997.D
 Acq: 28 Mar 2018 4:48

Tgt Ion:172 Resp: 741424
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.4 19.6 29.4



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

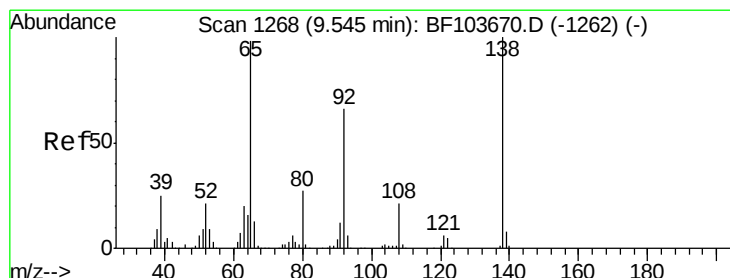
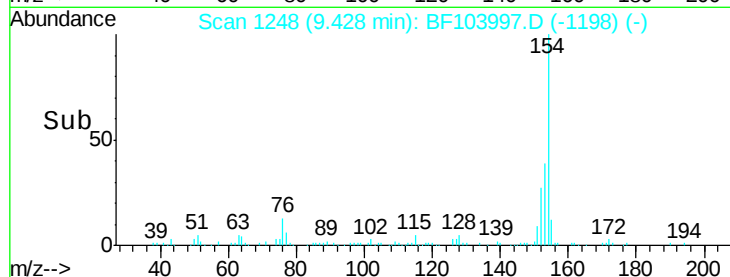
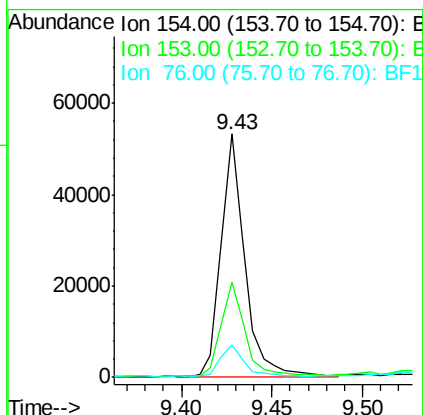
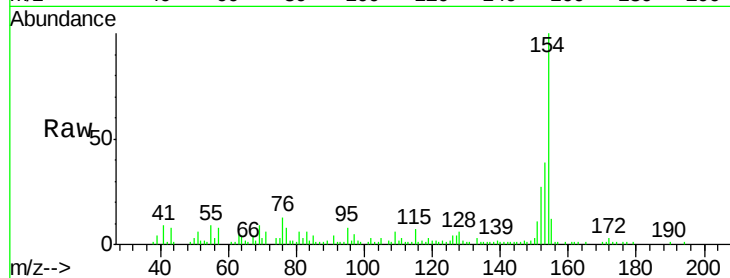




#45
1,1'-Biphenyl
Concen: 2.379 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

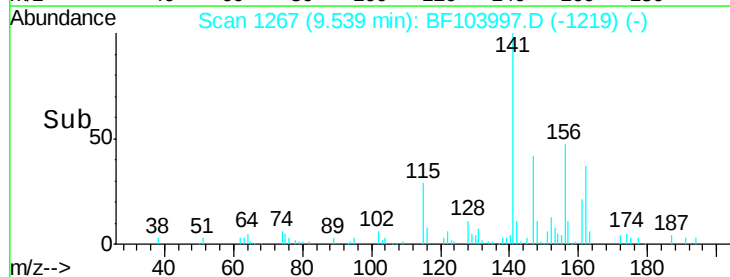
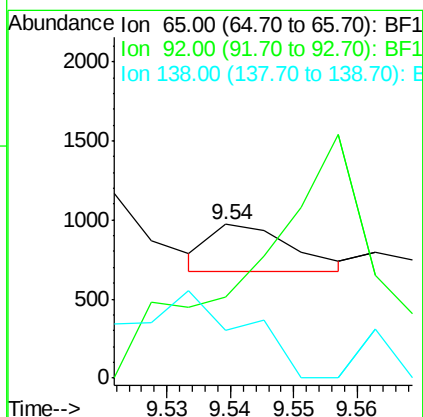
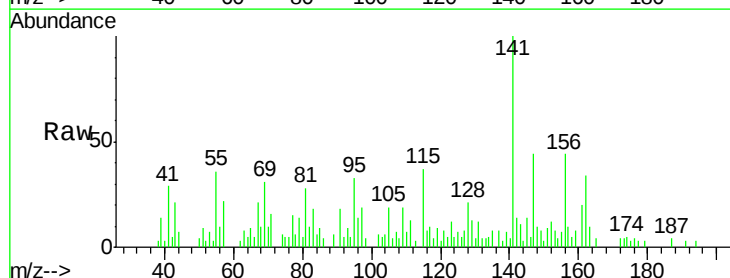
Instrument :
BNA_F
ClientSampleId :

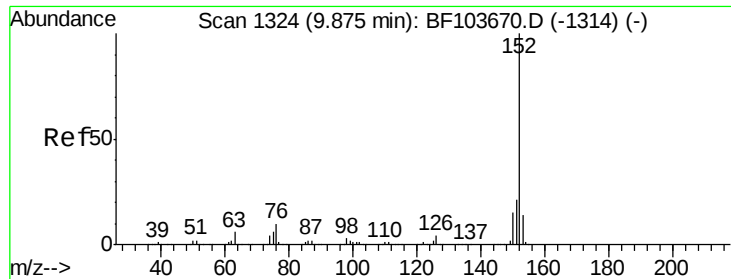
Tot Ion	Ratio	Lower	Upper
154	100		
153	39.1	21.3	61.3
76	13.2	0.0	34.0



#47
2-Nitroaniline
Concen: 6.867 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.02 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion	Ratio	Lower	Upper
65	100		
92	53.1	55.8	83.6#
138	31.0	91.2	136.8#





#48

Acenaphthylene

Concen: 17.590 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

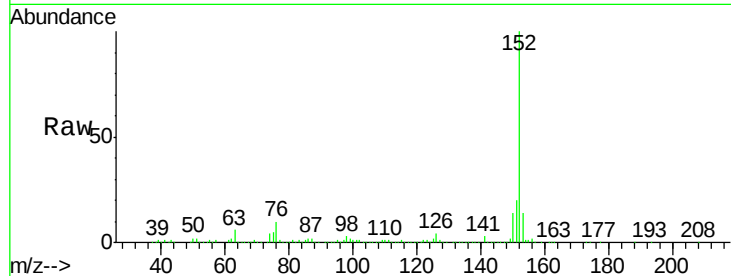
Tot Ion:152 Resp: 447713

Ion Ratio Lower Upper

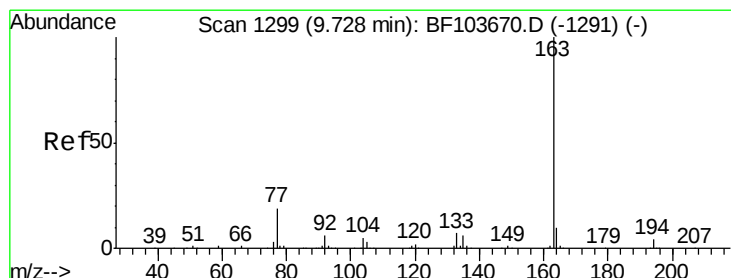
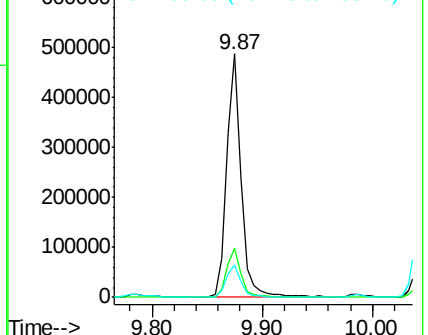
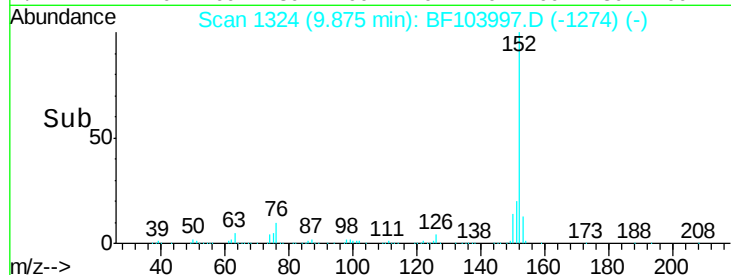
152 100

151 20.2 16.3 24.5

153 13.5 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: 7.015 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

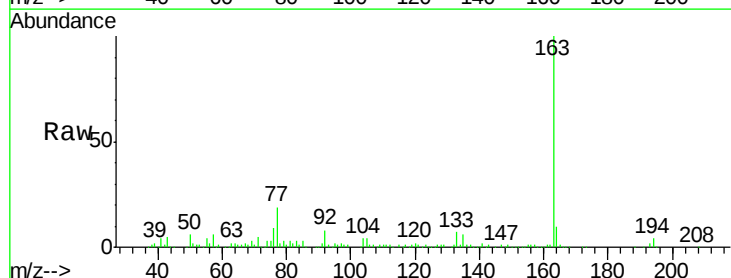
Tgt Ion:163 Resp: 132653

Ion Ratio Lower Upper

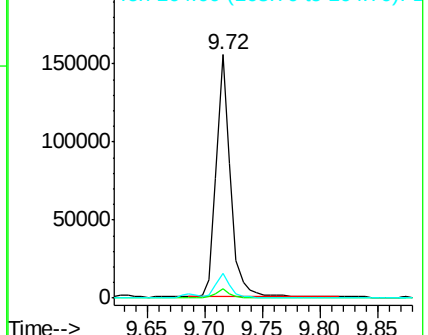
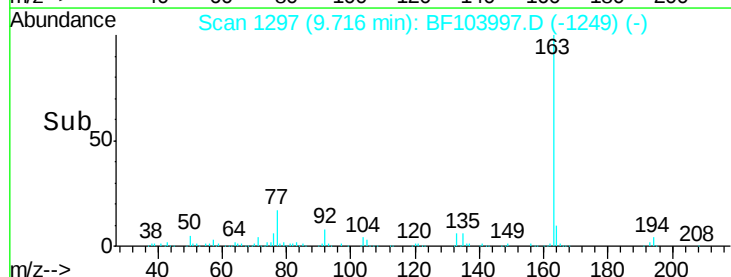
163 100

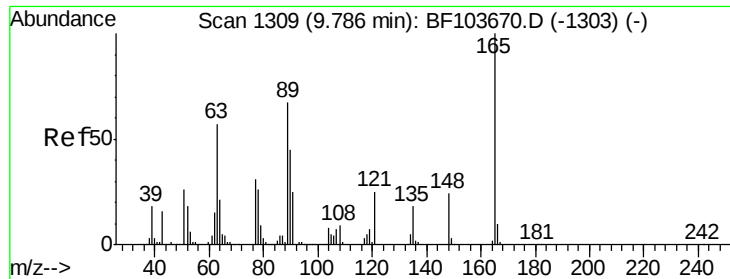
194 3.9 2.7 4.1

164 10.1 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: 4.344 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.04 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

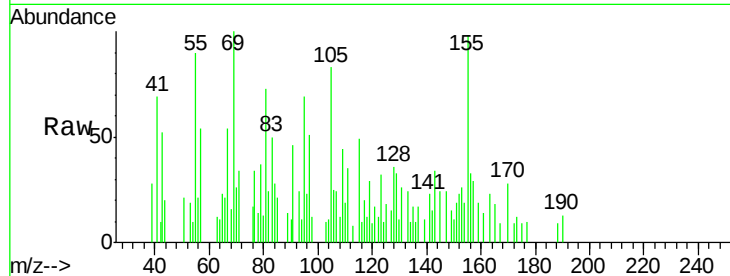
Tot Ion:165 Resp: 1438

Ion Ratio Lower Upper

165 100

63 64.0 44.7 67.1

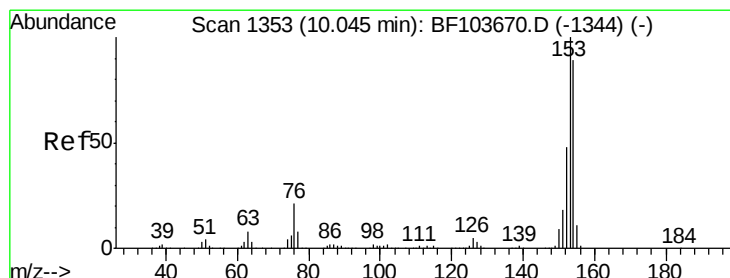
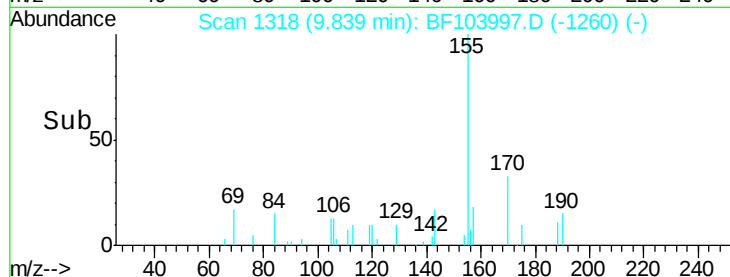
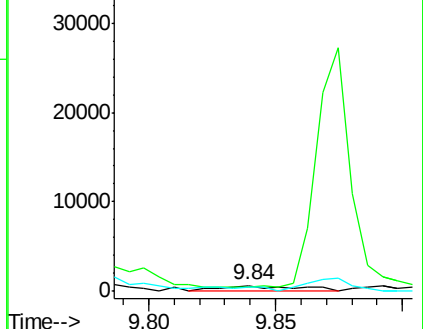
89 73.9 44.0 66.0#



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



#51

Acenaphthene

Concen: 8.405 ng

RT: 10.05 min Scan# 1353

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

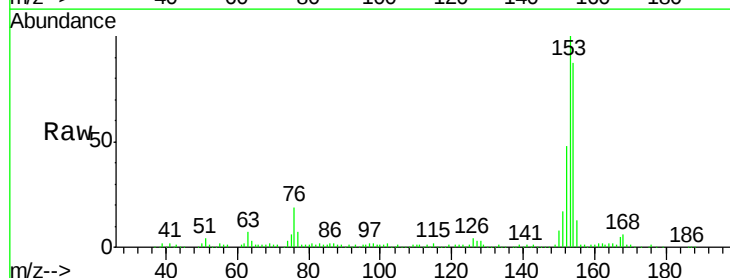
Tgt Ion:154 Resp: 127032

Ion Ratio Lower Upper

154 100

153 115.2 91.2 136.8

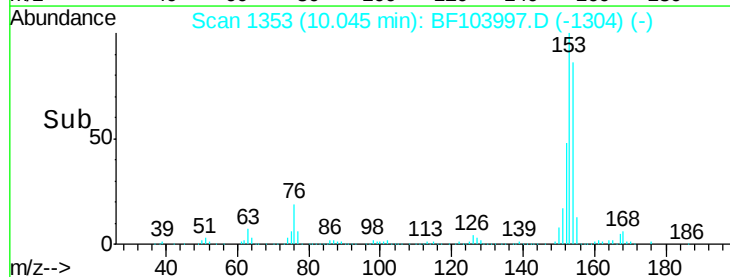
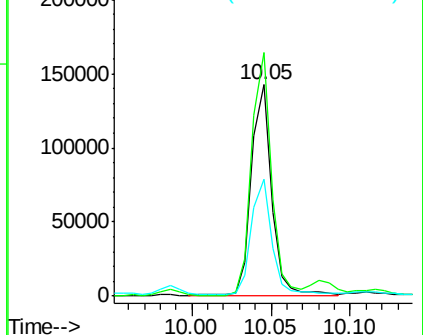
152 55.4 43.8 65.8

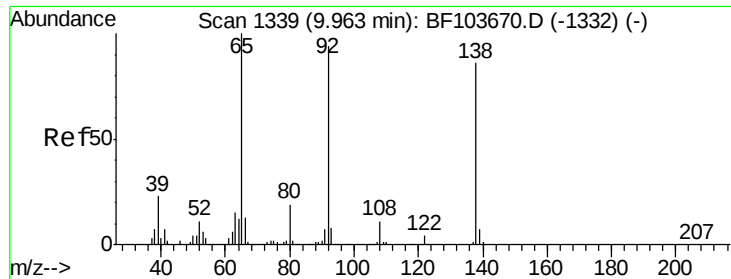


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

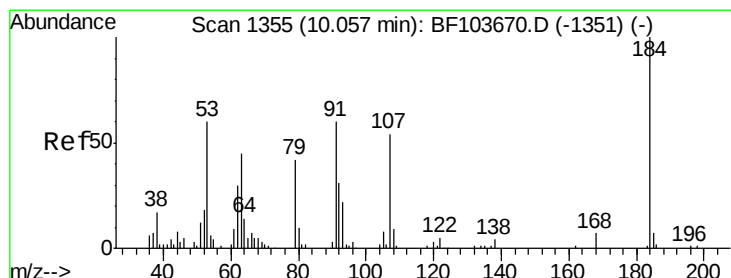
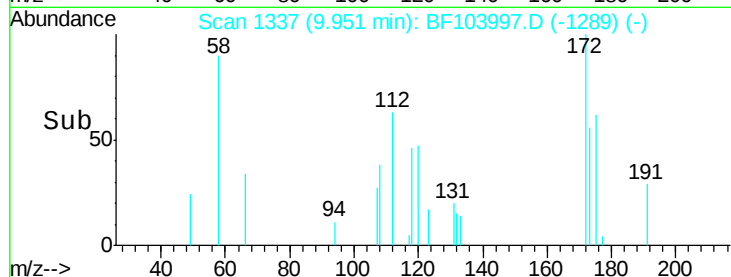
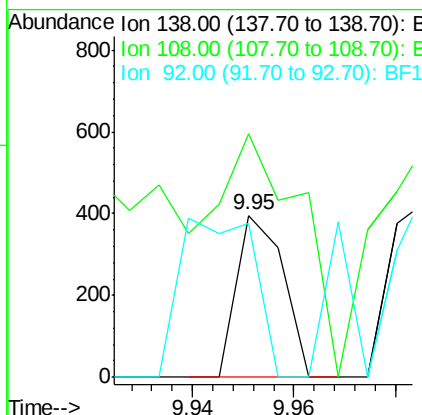
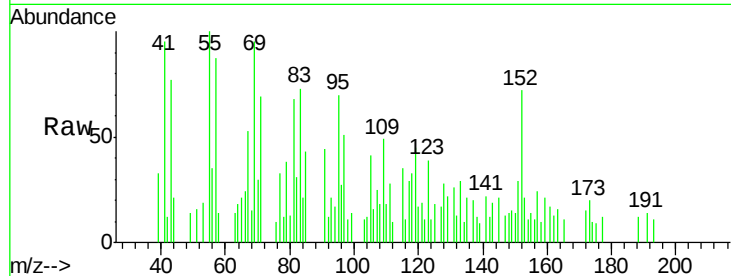




#52
3-Nitroaniline
Concen: 3.867 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.02 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

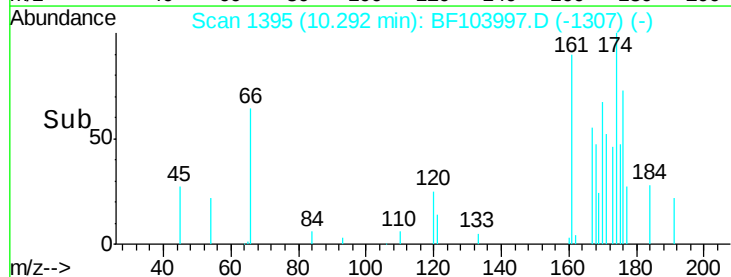
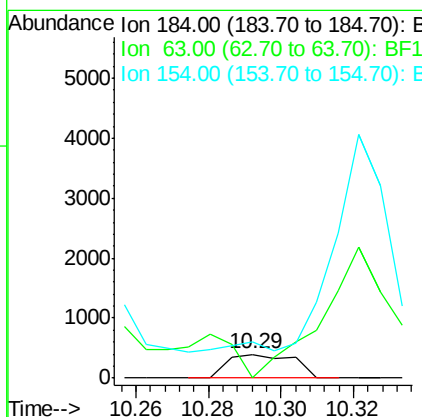
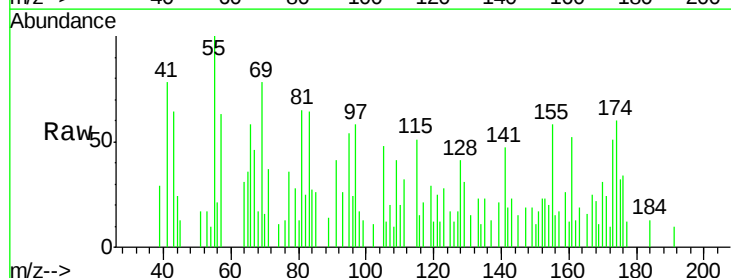
Instrument :
BNA_F
ClientSampled :

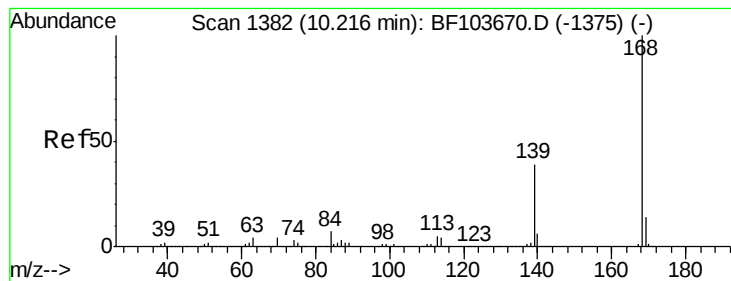
Tot Ion:138 Resp: 252
Ion Ratio Lower Upper
138 100
108 150.3 9.4 14.0#
92 94.7 89.4 134.2



#53
2,4-Dinitrophenol
Concen: 7.355 ng
RT: 10.29 min Scan# 1395
Delta R.T. 0.22 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:184 Resp: 503
Ion Ratio Lower Upper
184 100
63 0.0 54.2 81.2#
154 151.5 184.0 276.0#





#54

Dibenzenofuran

Concen: 7.221 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampled :

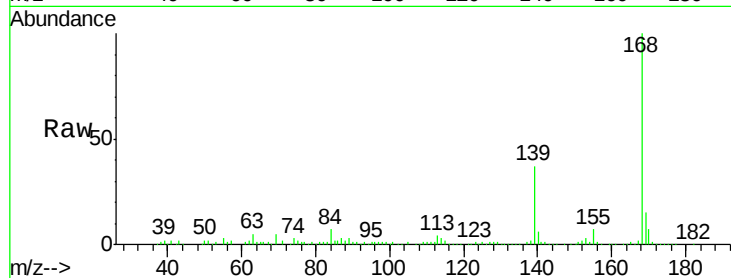
Tot Ion:168 Resp: 155867

Ion Ratio Lower Upper

168 100

139 37.1 30.1 45.1

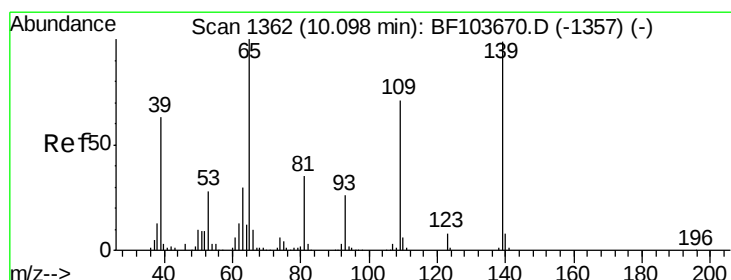
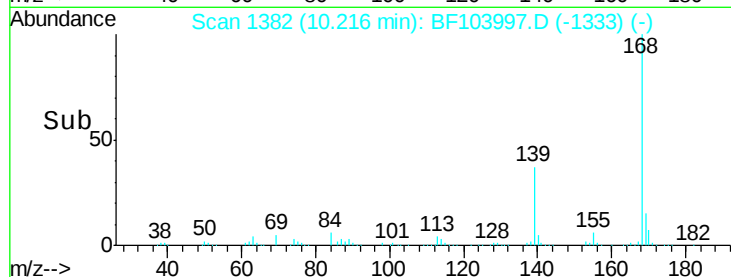
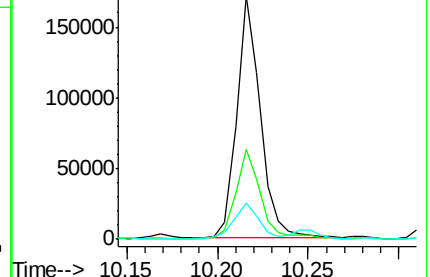
169 14.7 10.9 16.3



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: 5.483 ng

RT: 10.37 min Scan# 1408

Delta R.T. 0.25 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

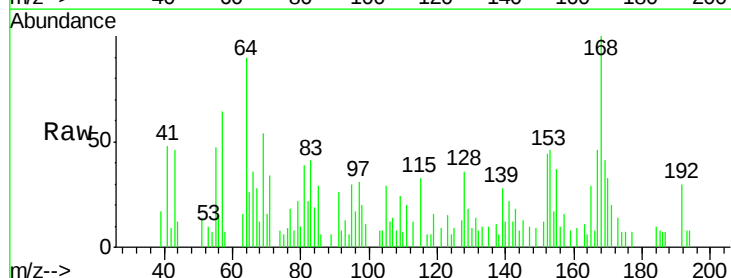
Tgt Ion:139 Resp: 1893

Ion Ratio Lower Upper

139 100

109 86.2 48.4 88.4

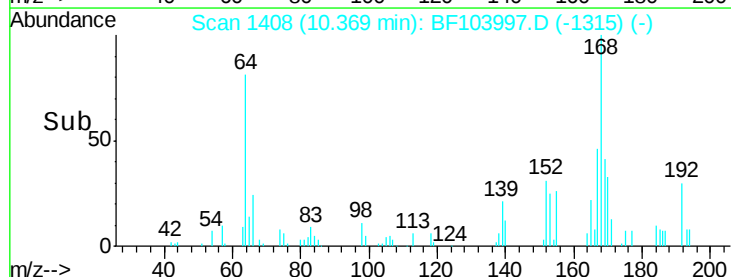
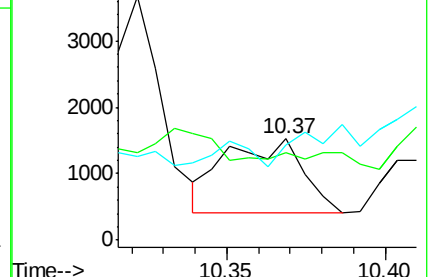
65 94.3 72.6 112.6

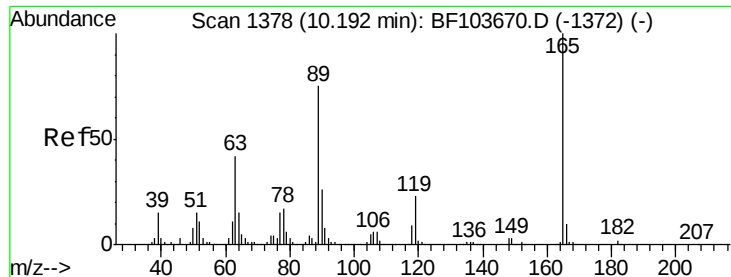


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

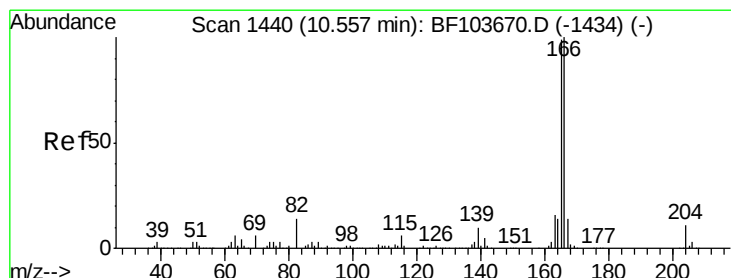
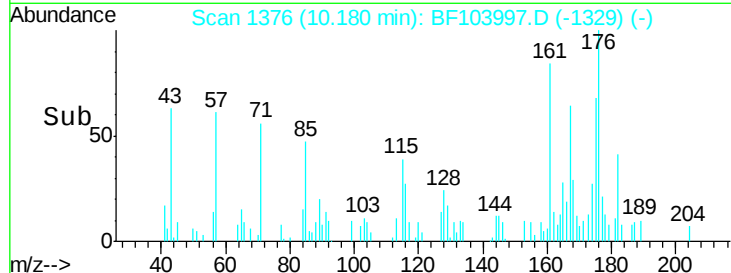
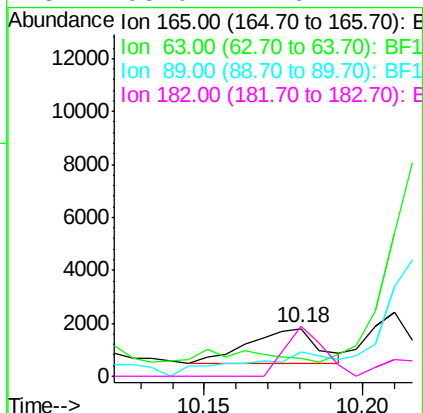
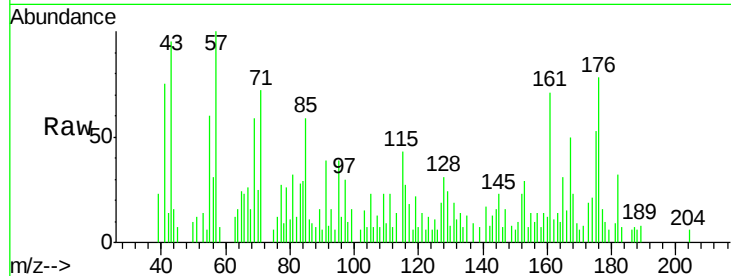




#56
2,4-Dinitrotoluene
Concen: 6.586 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.02 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

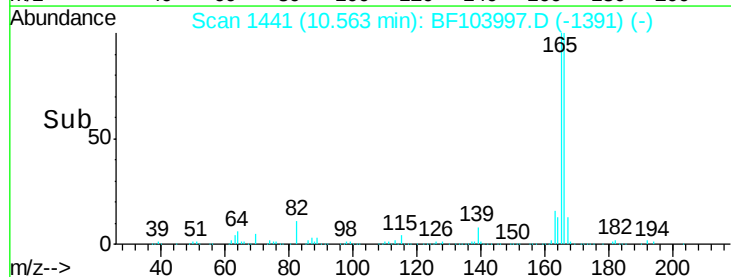
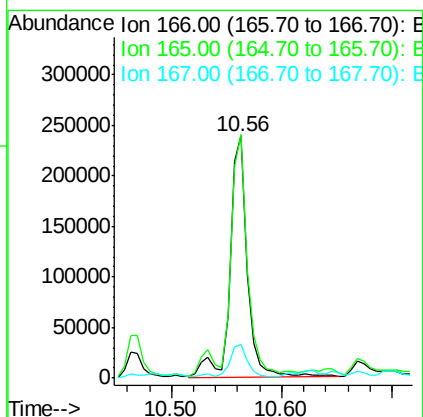
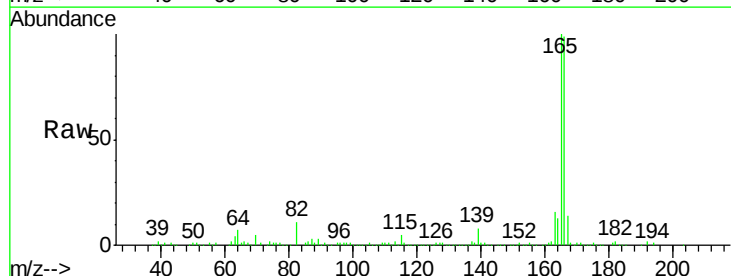
Instrument :
BNA_F
ClientSampleId :

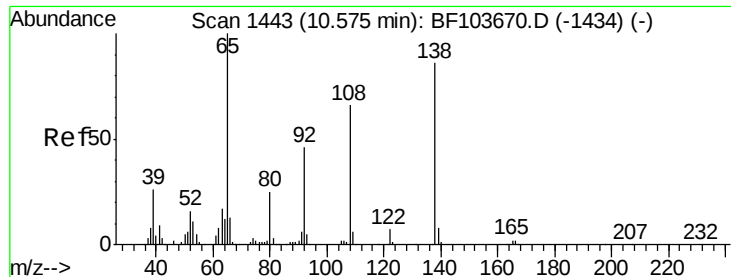
Tot Ion:165 Resp: 1985
Ion Ratio Lower Upper
165 100
63 38.0 36.4 54.6
89 51.1 57.8 86.6#
182 103.0 1.6 2.4#



#57
Fluorene
Concen: 15.689 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:166 Resp: 262788
Ion Ratio Lower Upper
166 100
165 100.6 79.8 119.8
167 13.9 10.6 16.0

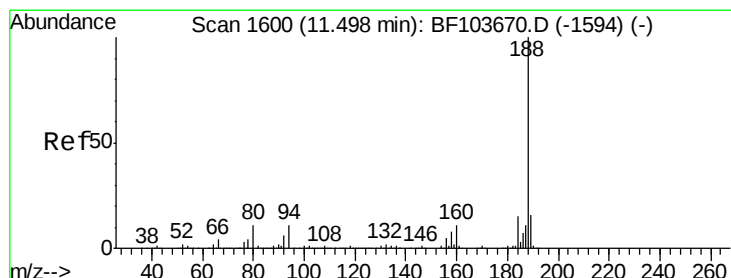
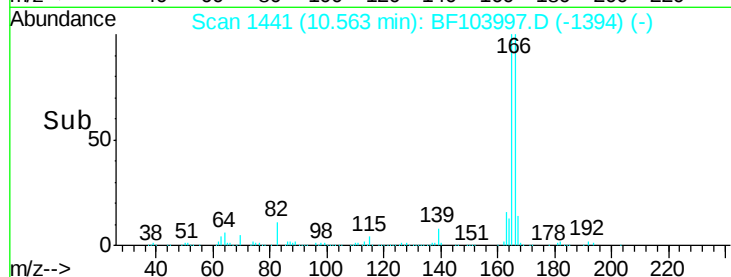
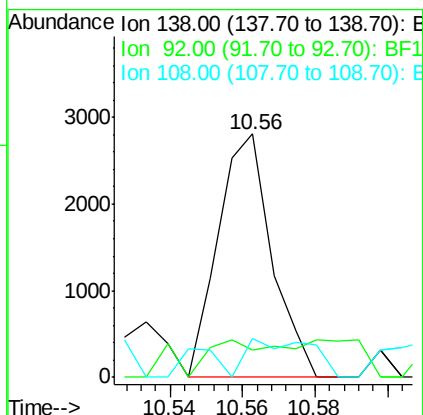
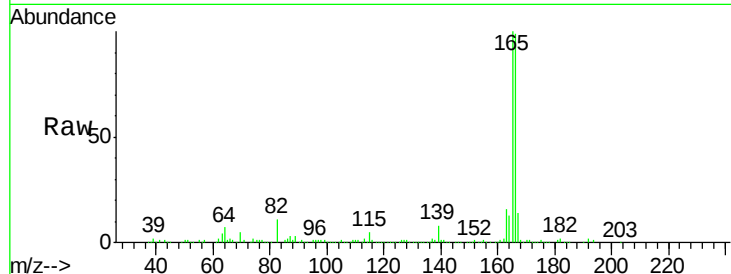




#61
4-Nitroaniline
Concen: 4.380 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

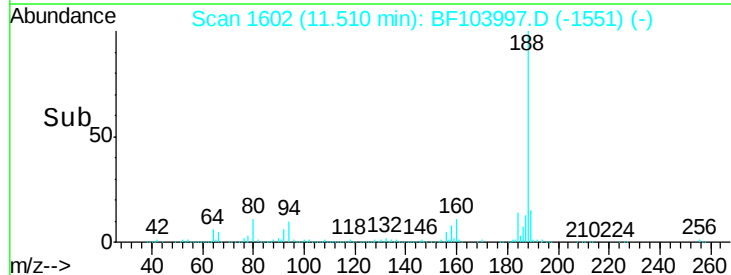
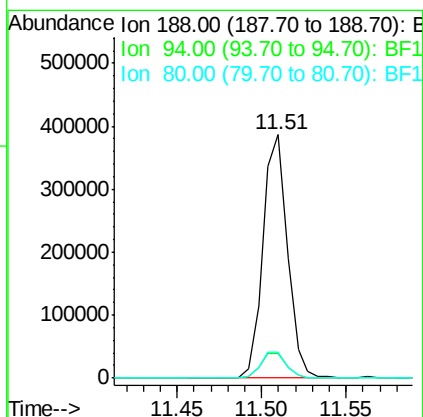
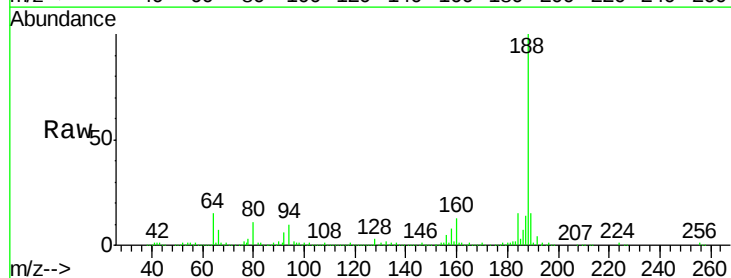
Instrument :
BNA_F
ClientSampleId :

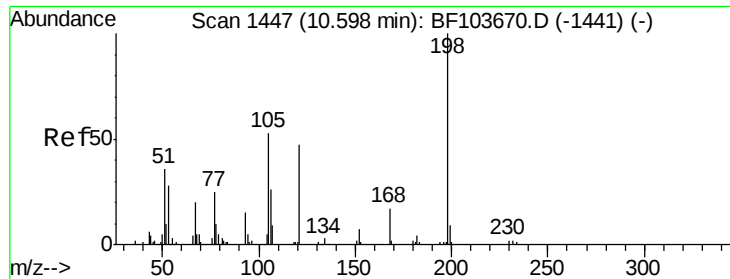
Tot Ion:138 Resp: 2888
Ion Ratio Lower Upper
138 100
92 11.5 30.2 70.2#
108 16.1 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:188 Resp: 389952
Ion Ratio Lower Upper
188 100
94 10.1 8.5 12.7
80 10.6 9.2 13.8

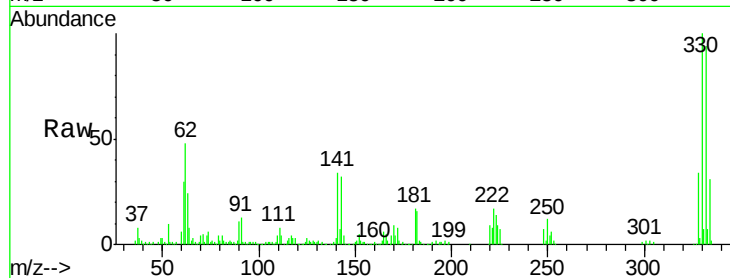




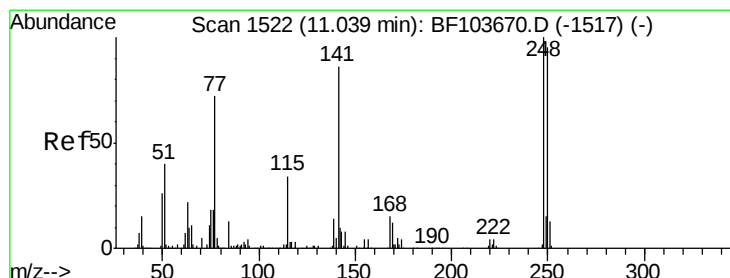
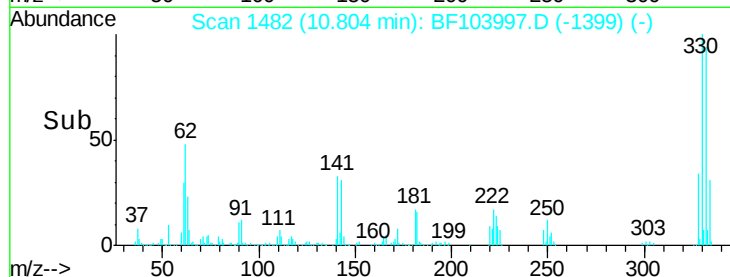
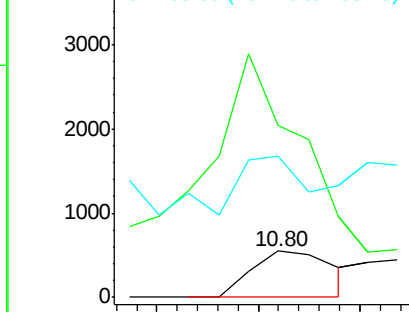
#64
4,6-Dinitro-2-methylphenol
Concen: 8.581 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.19 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 605
Ion Ratio Lower Upper
198 100
51 372.1 37.7 77.7#
105 306.9 36.3 76.3#

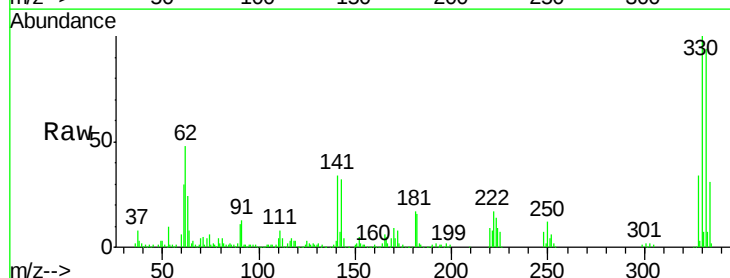


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

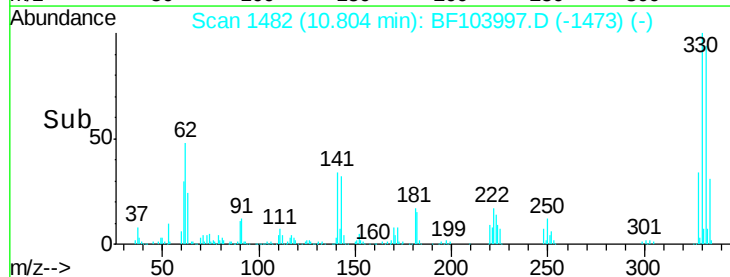
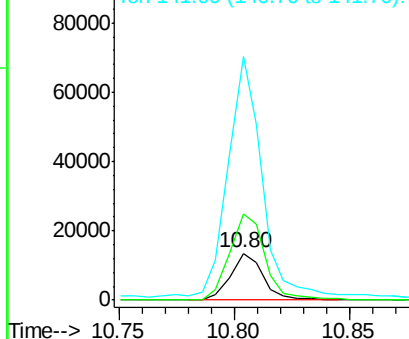


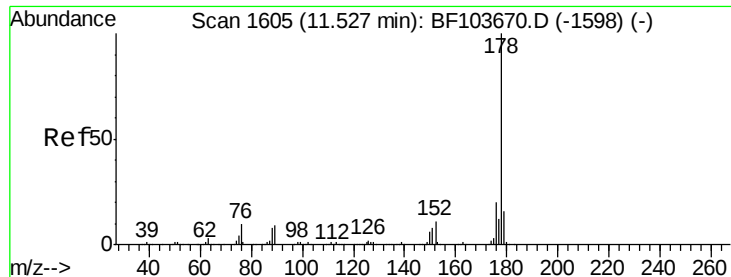
#66
4-Bromophenyl-phenylether
Concen: 3.317 ng
RT: 10.80 min Scan# 1482
Delta R.T. -0.25 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:248 Resp: 13280
Ion Ratio Lower Upper
248 100
250 183.6 76.9 115.3#
141 516.6 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: 62.771 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

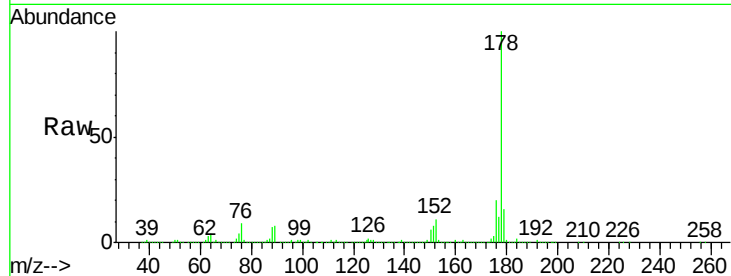
Tot Ion:178 Resp: 1338990

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

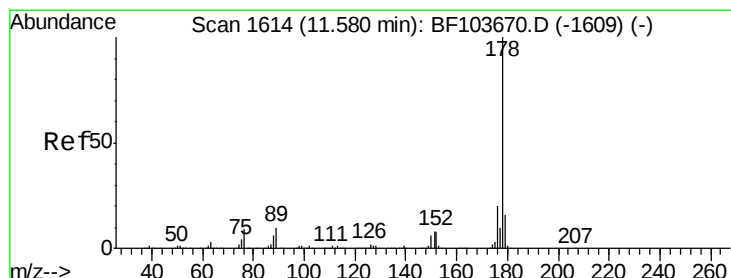
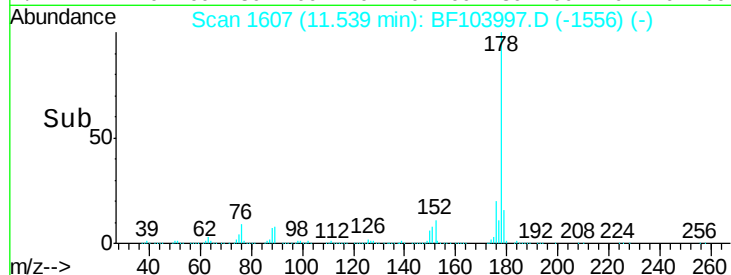
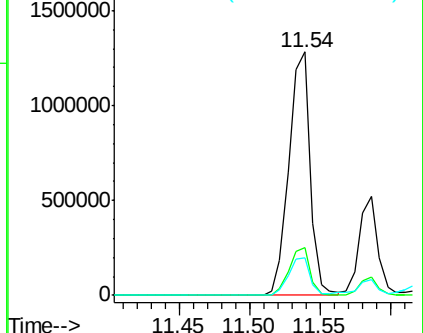
179 15.7 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 22.307 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

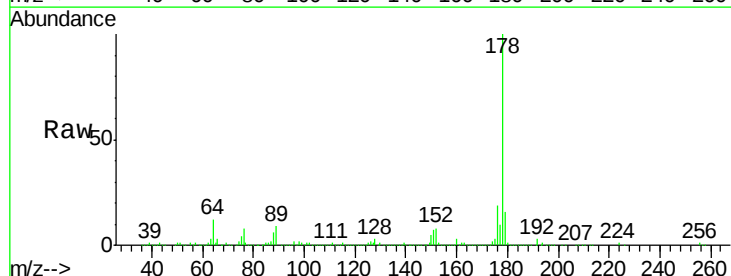
Tgt Ion:178 Resp: 483289

Ion Ratio Lower Upper

178 100

176 18.7 15.4 23.2

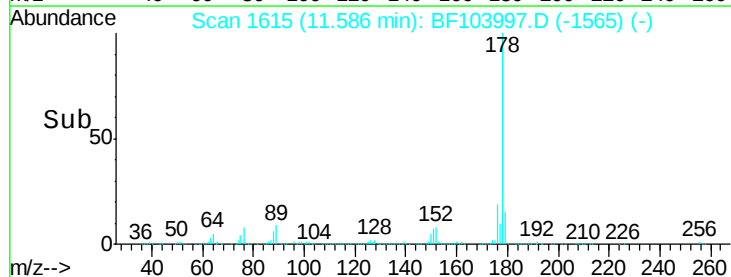
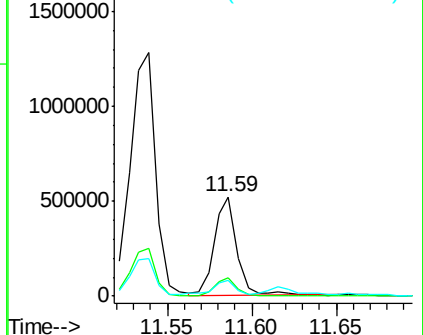
179 15.8 12.6 19.0

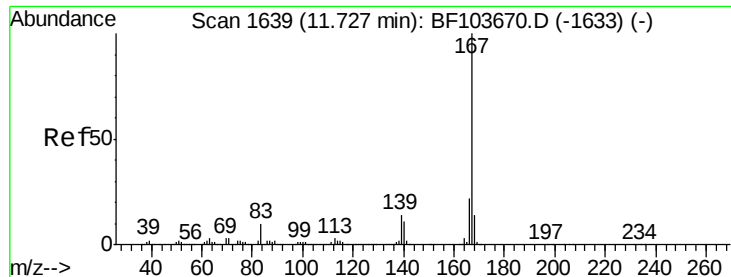


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 5.096 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

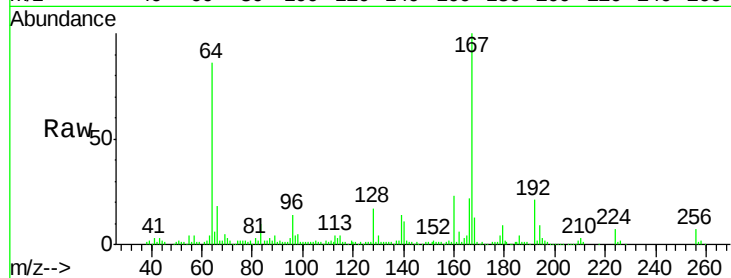
Tot Ion:167 Resp: 107302

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

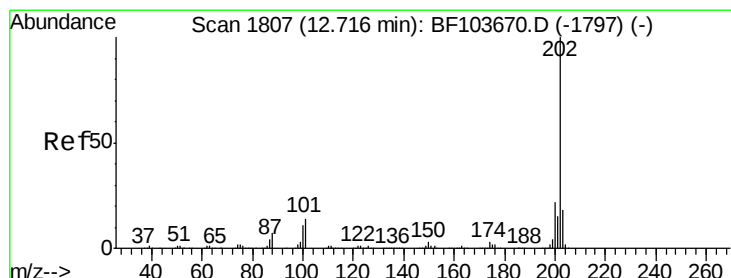
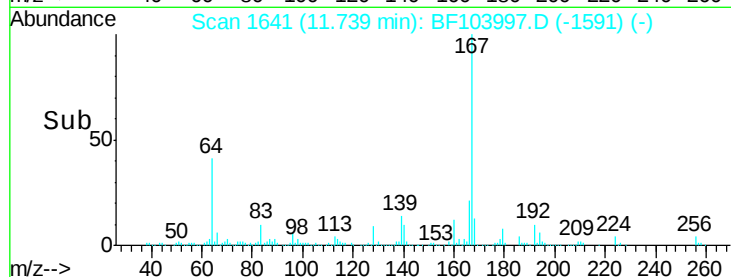
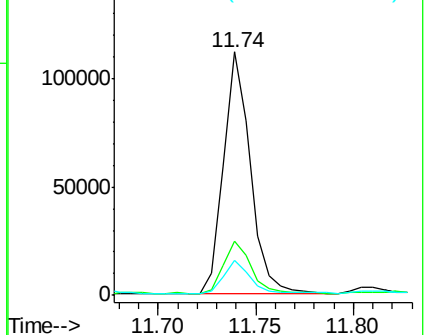
139 14.1 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 78.832 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

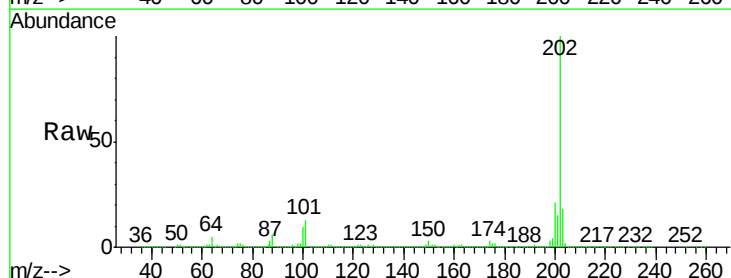
Tgt Ion:202 Resp: 1732420

Ion Ratio Lower Upper

202 100

101 12.7 0.0 34.1

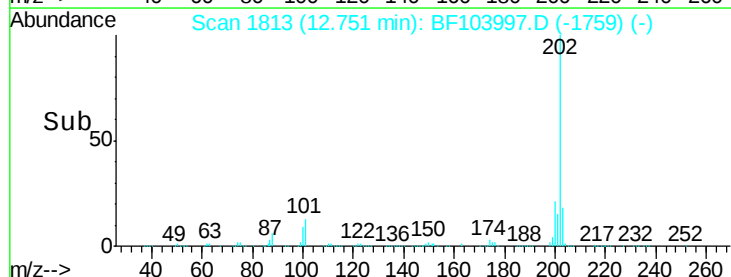
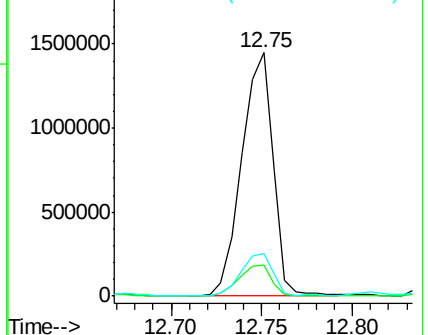
203 17.8 0.0 38.1

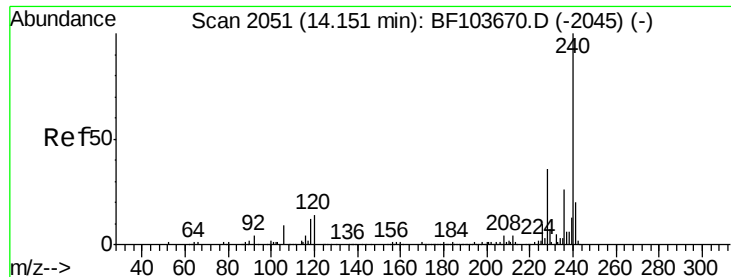


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

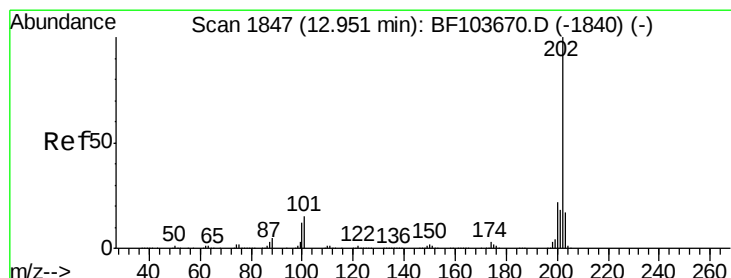
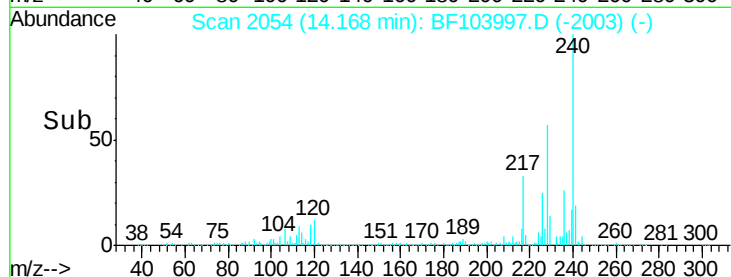
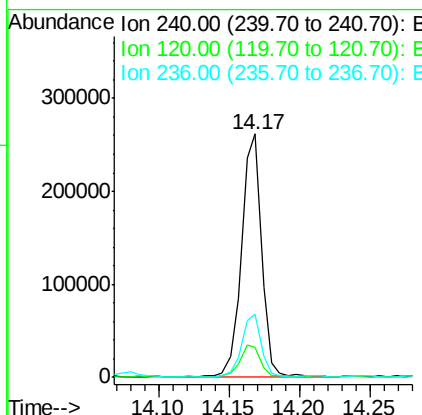
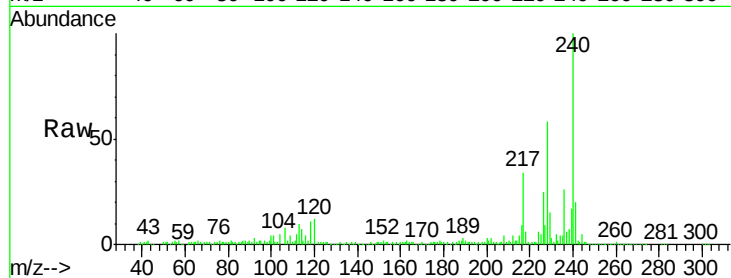




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

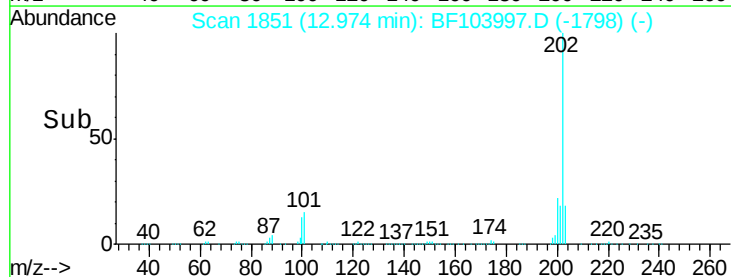
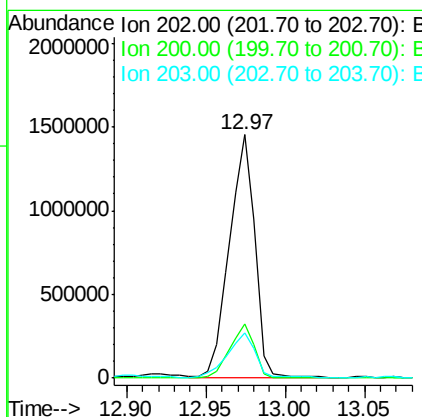
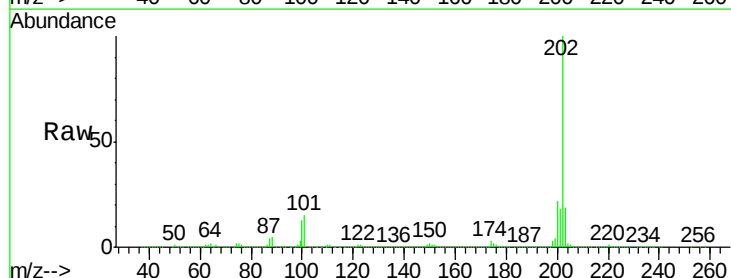
Instrument :
BNA_F
ClientSampleId :

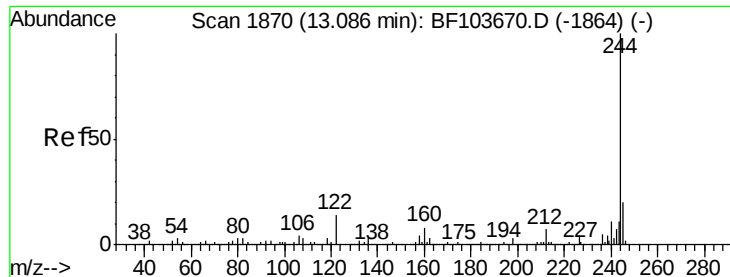
Tot Ion:240 Resp: 256769
Ion Ratio Lower Upper
240 100
120 12.2 9.5 14.3
236 26.1 20.7 31.1



#77
Pyrene
Concen: 84.929 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:202 Resp: 1601505
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.6 14.3 21.5





#78

Terphenyl-d14

Concen: 46.628 ng

RT: 13.09 min Scan# 1871

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

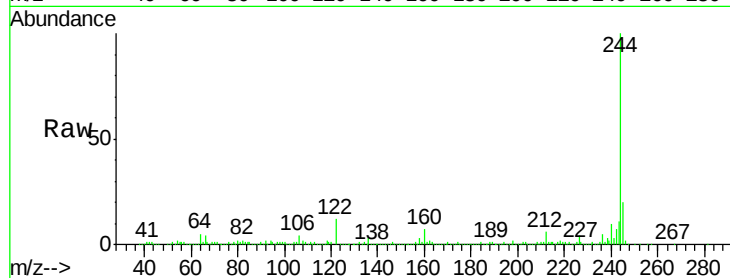
Tot Ion:244 Resp: 515806

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 12.5 11.0 16.4

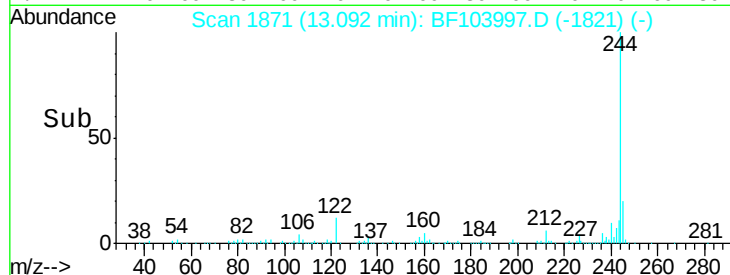


Abundance Ion 244.00 (243.70 to 244.70): E

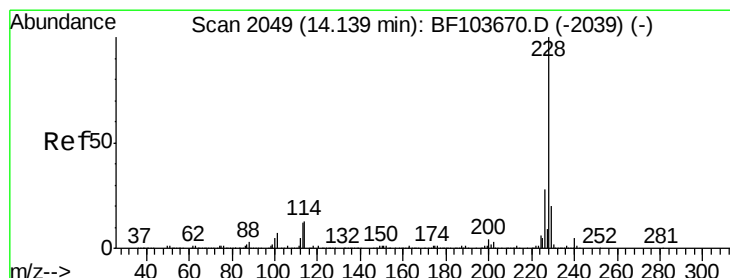
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 63.190 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

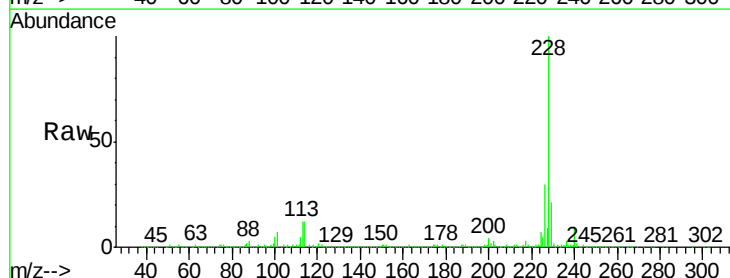
Tgt Ion:228 Resp: 1027057

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

229 21.2 15.8 23.6

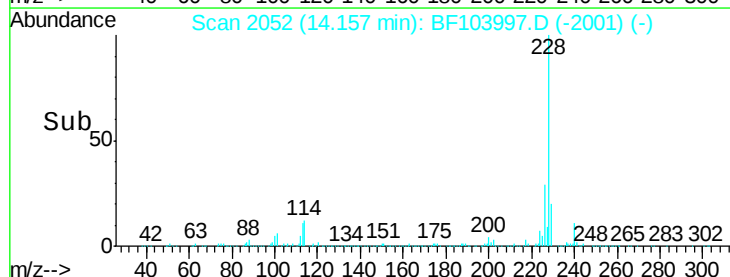


Abundance Ion 228.00 (227.70 to 228.70): E

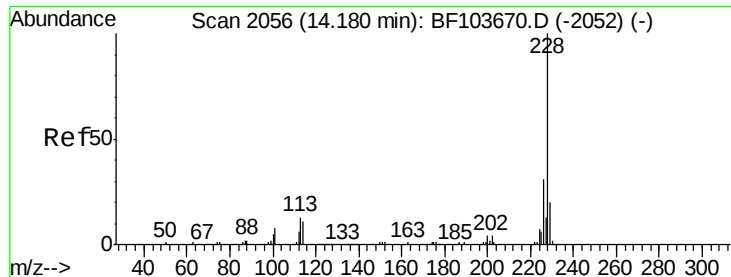
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



#82

Chrysene

Concen: 51.457 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampled :

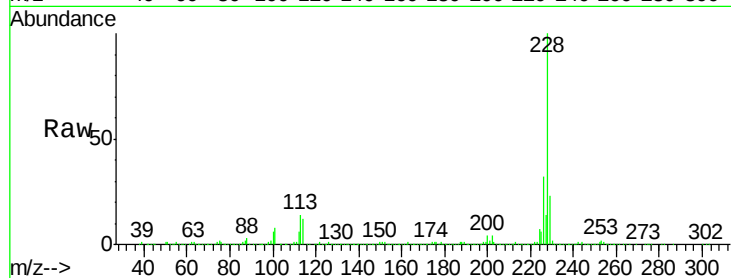
Tot Ion:228 Resp: 797251

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

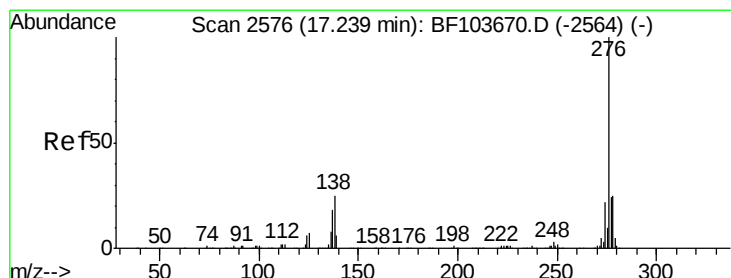
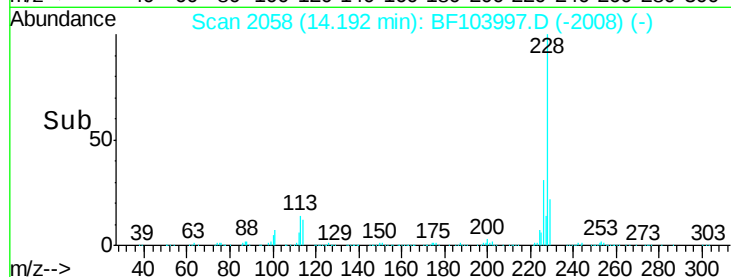
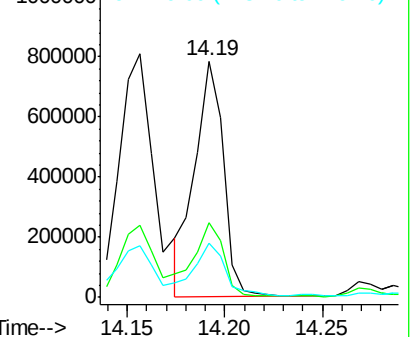
229 22.7 16.2 24.4



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: 31.325 ng

RT: 17.30 min Scan# 2586

Delta R.T. -0.00 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

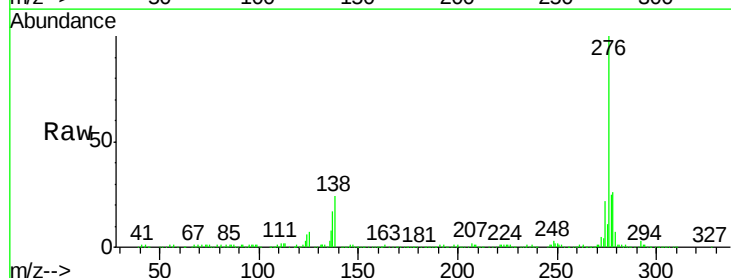
Tgt Ion:276 Resp: 423844

Ion Ratio Lower Upper

276 100

138 24.0 25.0 37.6#

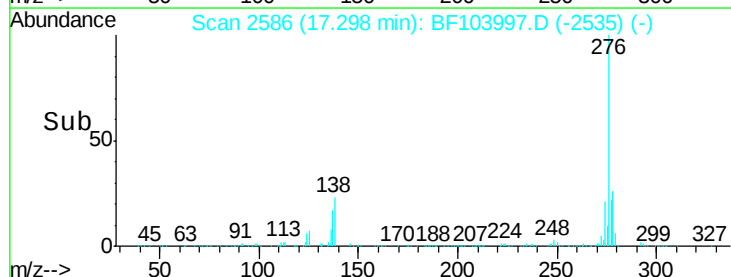
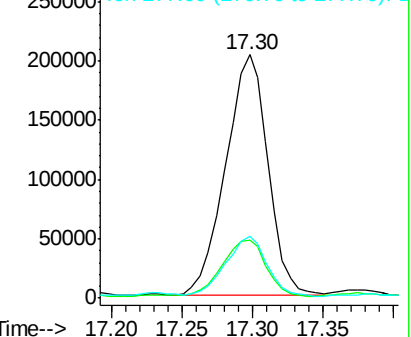
277 24.4 20.1 30.1

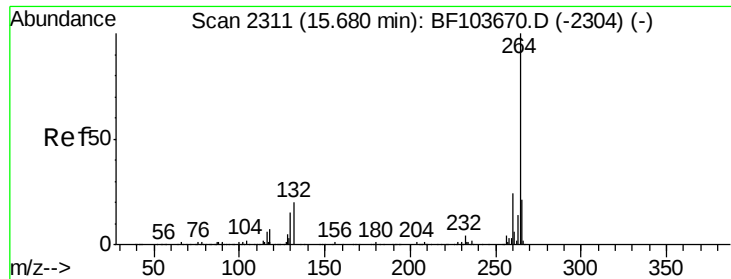


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

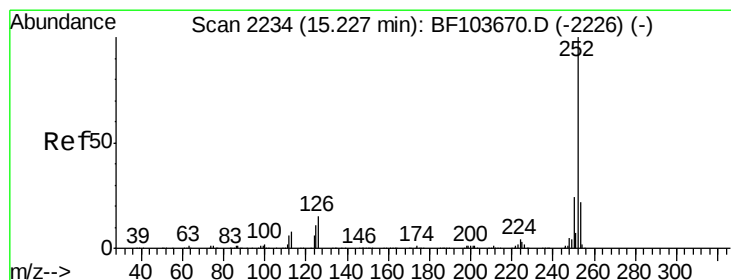
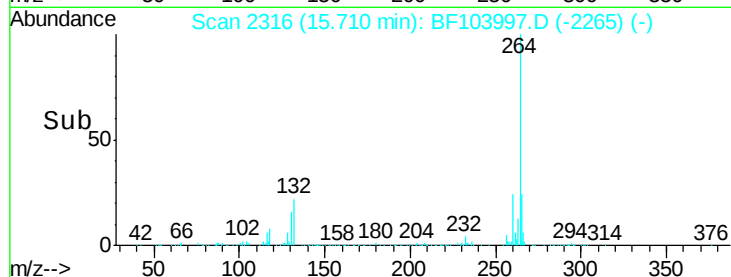
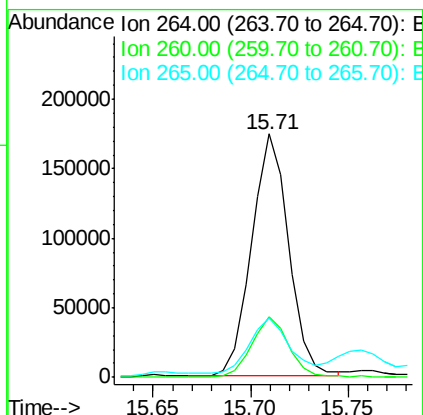
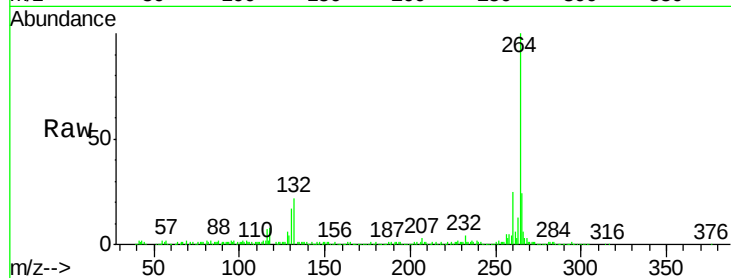




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

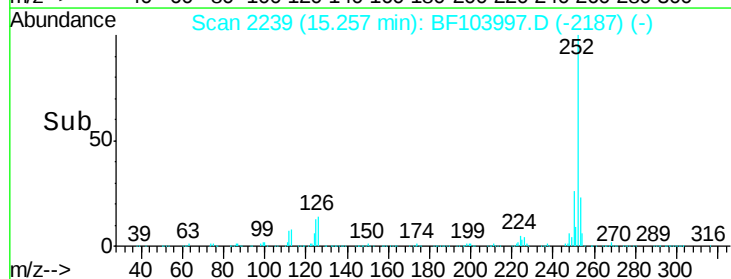
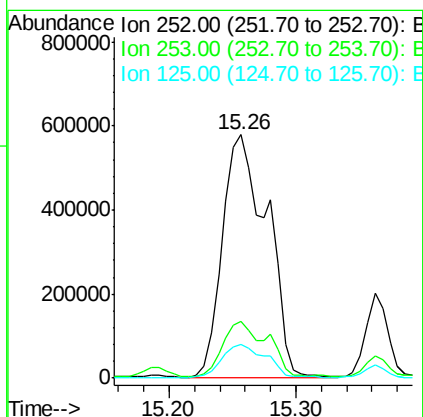
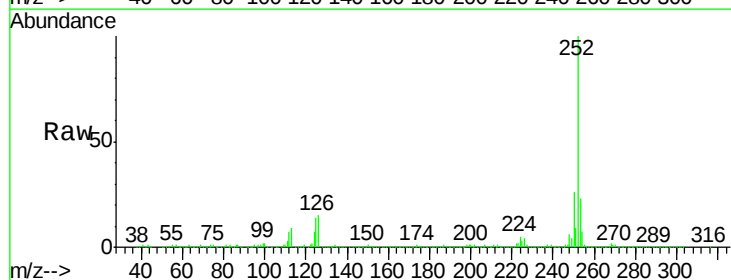
Instrument :
BNA_F
ClientSampleId :

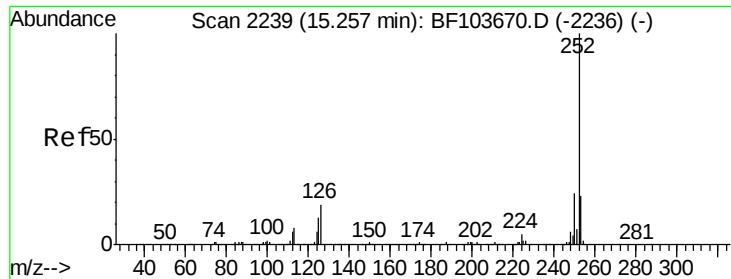
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	24.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 97.246 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.7	9.0	13.6#

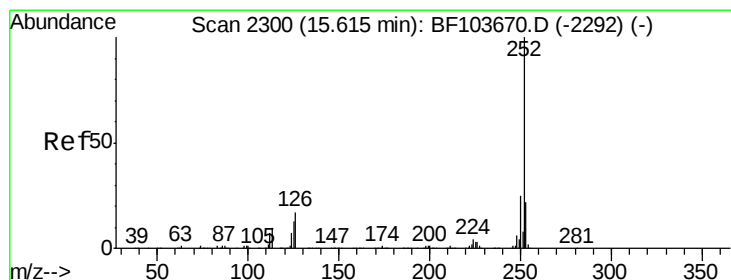
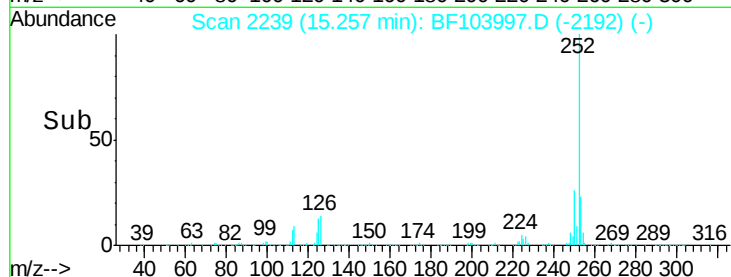
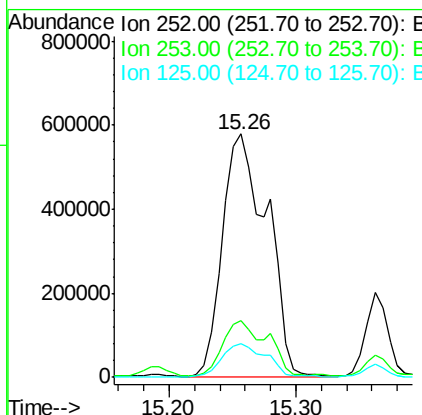
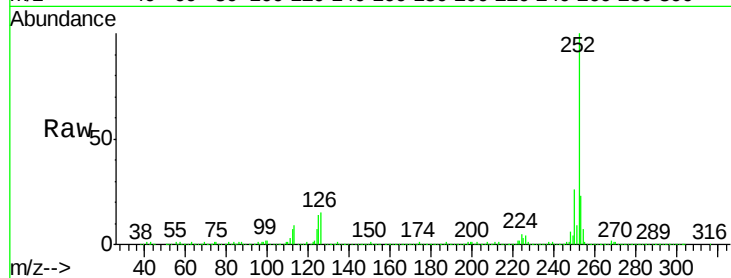




#88
Benzo(k)fluoranthene
Concen: 101.164 ng
RT: 15.26 min Scan# 2239
Delta R.T. -0.02 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

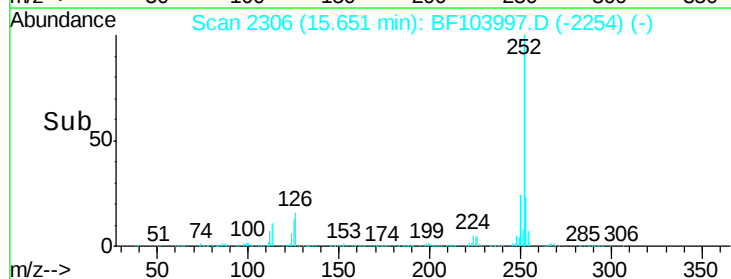
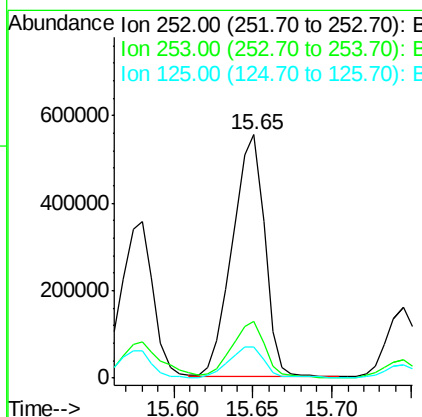
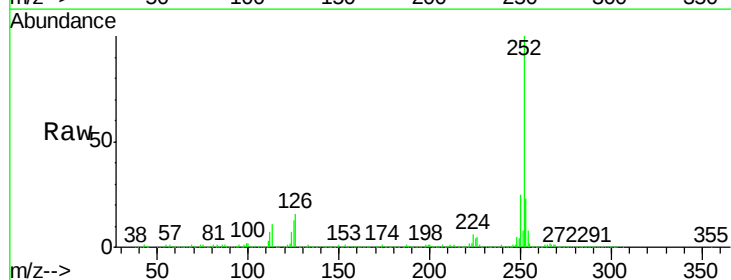
Instrument :
BNA_F
ClientSampleId :

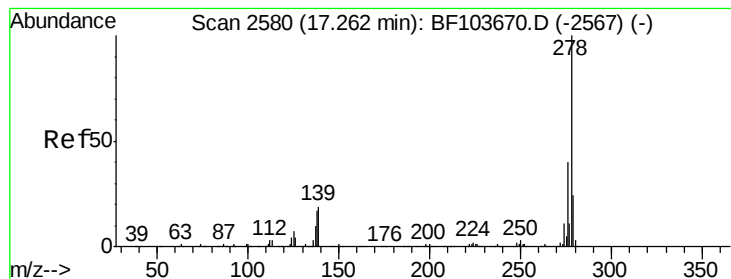
Tot Ion:252 Resp: 1409159
Ion Ratio Lower Upper
252 100
253 23.1 17.9 26.9
125 13.7 10.2 15.2



#89
Benzo(a)pyrene
Concen: 59.956 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF103997.D
Acq: 28 Mar 2018 4:48

Tgt Ion:252 Resp: 788021
Ion Ratio Lower Upper
252 100
253 23.2 17.1 25.7
125 13.0 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 10.393 ng

RT: 17.30 min Scan# 2587

Delta R.T. -0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

Instrument :

BNA_F

ClientSampleId :

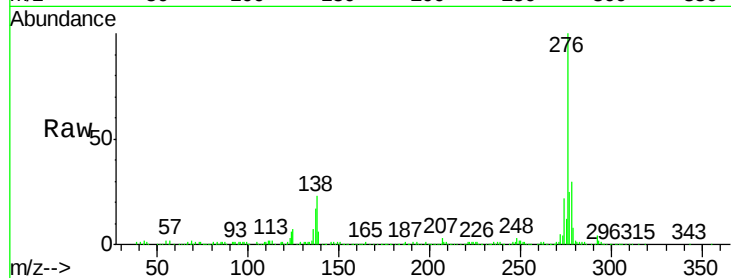
Tot Ion:278 Resp: 118282

Ion Ratio Lower Upper

278 100

139 21.5 15.9 23.9

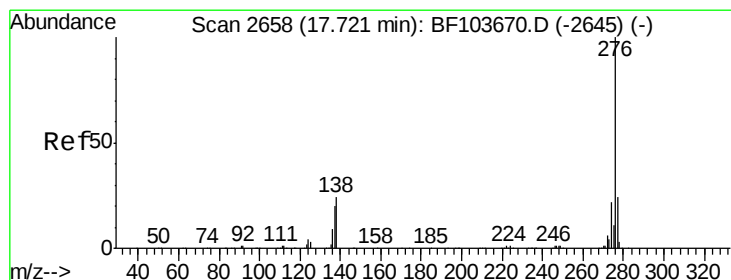
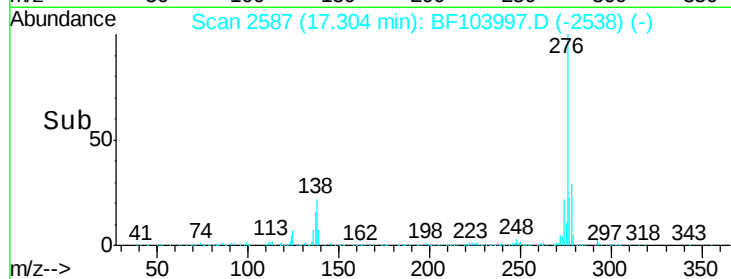
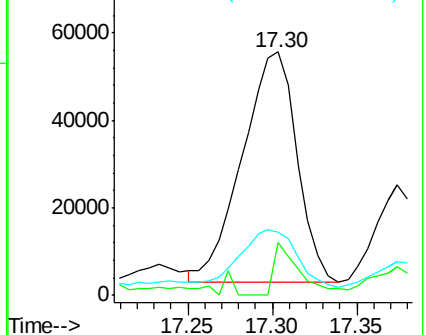
279 26.1 19.0 28.4



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: 35.554 ng

RT: 17.79 min Scan# 2669

Delta R.T. 0.01 min

Lab File: BF103997.D

Acq: 28 Mar 2018 4:48

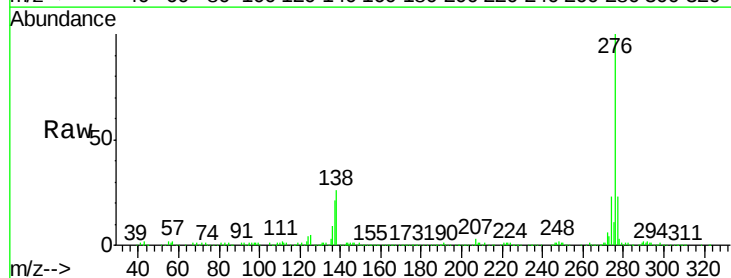
Tgt Ion:276 Resp: 393639

Ion Ratio Lower Upper

276 100

277 22.6 17.9 26.9

138 25.9 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

