

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032718\
 Data File : BF103974.D
 Acq On : 27 Mar 2018 17:17
 Operator : JU/SJ
 Sample : J2047-01RE 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 28 03:52:32 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	151471	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	606286	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	272192	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	441211	20.00	ng	0.00
75) Chrysene-d12	14.16	240	287773	20.00	ng	-0.01
86) Perylene-d12	15.70	264	272064	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	55850	5.61	ng	0.02
7) Phenol-d6	6.60	99	269626	22.13	ng	0.00
23) Nitrobenzene-d5	7.53	82	195521	22.49	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.32	172	412382	24.17	ng	-0.01
78) Terphenyl-d14	13.09	244	330543	26.66	ng	-0.01

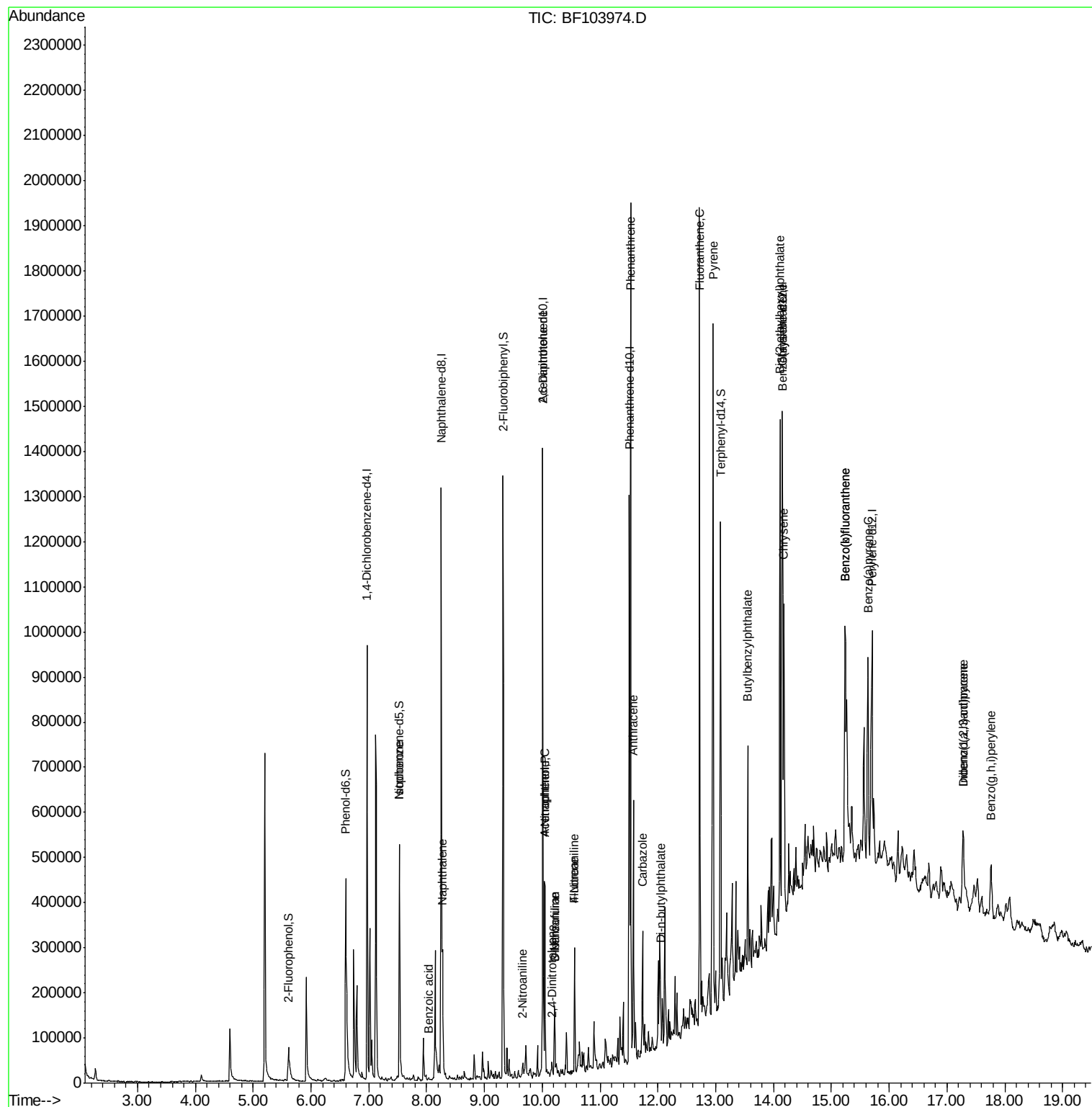
Target Compounds				Qvalue		
25) Isophorone	7.53	82	195519	9.715	ng	# 64
31) Naphthalene	8.27	128	102232	3.338	ng	99
32) Benzoic acid	8.05	122	112	9.920	ng	# 35
47) 2-Nitroaniline	9.66	65	114	6.835	ng	# 2
50) 2,6-Dinitrotoluene	10.01	165	36399	12.292	ng	# 25
51) Acenaphthene	10.05	154	99235	5.979	ng	99
52) 3-Nitroaniline	10.22	138	963	3.999	ng	# 2
54) Dibenzofuran	10.22	168	63361	2.673	ng	99
55) 4-Nitrophenol	10.05	139	907	5.193	ng	# 60
56) 2,4-Dinitrotoluene	10.17	165	1265	6.430	ng	# 21
57) Fluorene	10.56	166	76985	4.185	ng	99
61) 4-Nitroaniline	10.56	138	797	3.908	ng	# 19
70) Phenanthrene	11.53	178	704706	29.198	ng	99
71) Anthracene	11.58	178	213862	8.724	ng	98
72) Carbazole	11.73	167	116227	4.878	ng	100
73) Di-n-butylphthalate	12.05	149	60356	2.111	ng	99
74) Fluoranthene	12.73	202	779233	31.339	ng	97
77) Pyrene	12.96	202	642069	30.381	ng	99
79) Butylbenzylphthalate	13.56	149	108352	11.572	ng	96
80) Benzo(a)anthracene	14.14	228	323646	17.767	ng	98
82) Chrysene	14.18	228	276146	15.903	ng	96
83) Bis(2-ethylhexyl)phthalate	14.11	149	312500	23.362	ng	100
85) Indeno(1,2,3-cd)pyrene	17.28	276	123408	8.138	ng	# 92
87) Benzo(b)fluoranthene	15.24	252	439718	25.582	ng	# 95
88) Benzo(k)fluoranthene	15.24	252	439718	26.613	ng	98
89) Benzo(a)pyrene	15.63	252	223752	14.352	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	32050	2.374	ng	# 89
91) Benzo(g,h,i)perylene	17.76	276	106159	8.084	ng	98

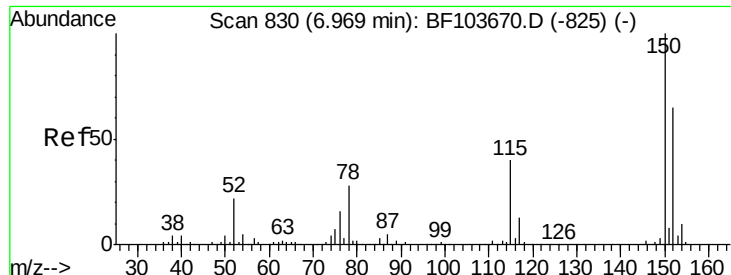
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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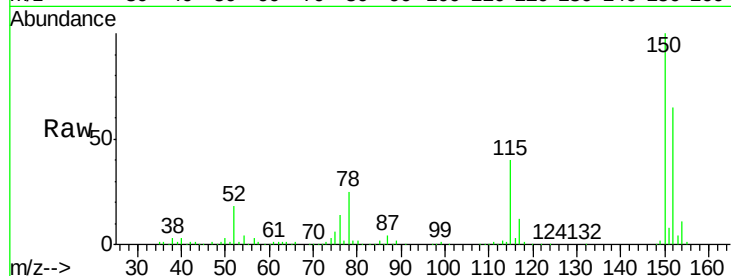


#1

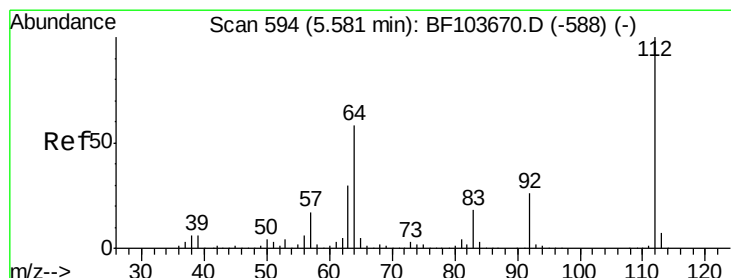
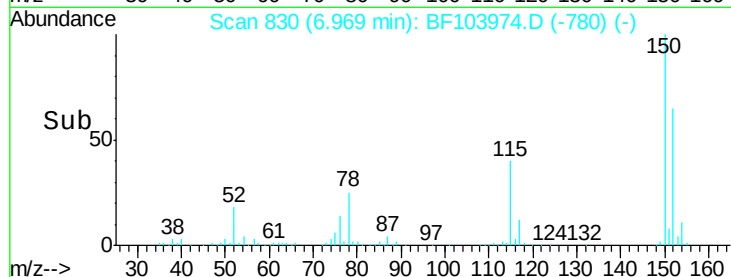
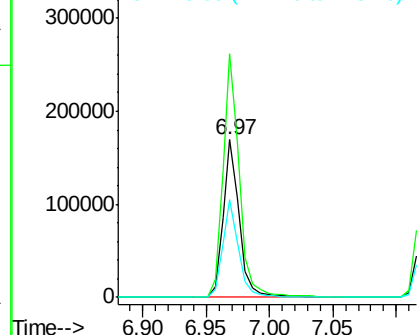
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 151471
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 62.2 50.1 75.1



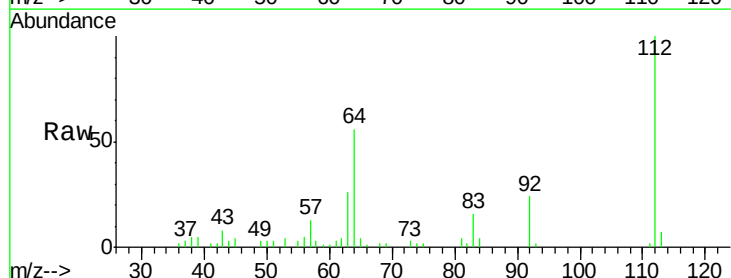
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



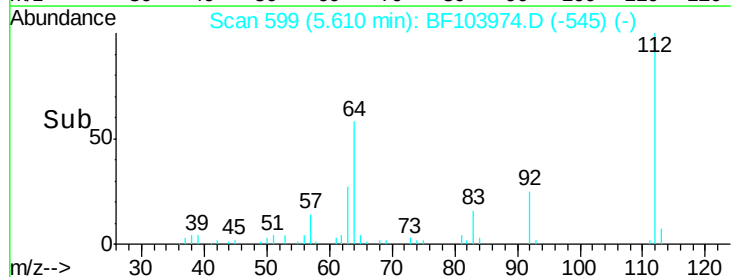
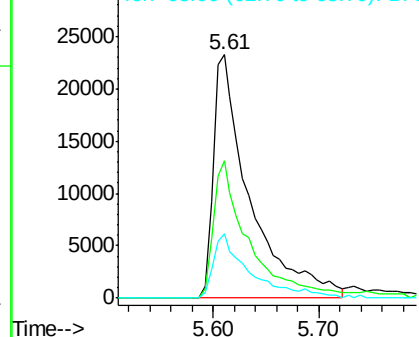
#5

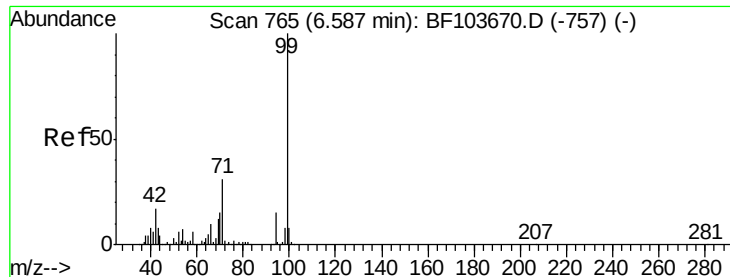
2-Fluorophenol
Concen: 5.608 ng
RT: 5.61 min Scan# 599
Delta R.T. 0.02 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Tgt Ion:112 Resp: 55850
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 26.5 23.7 35.5



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





#7

Phenol-d6

Concen: 22.130 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

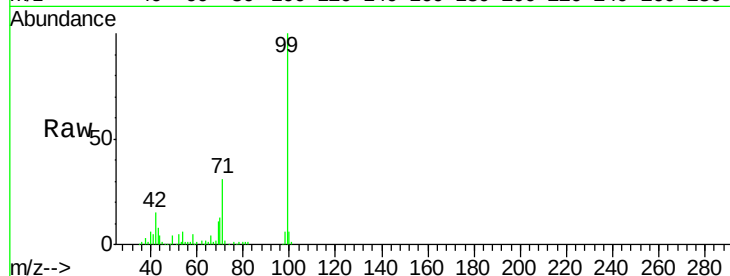
Tot Ion: 99 Resp: 269626

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

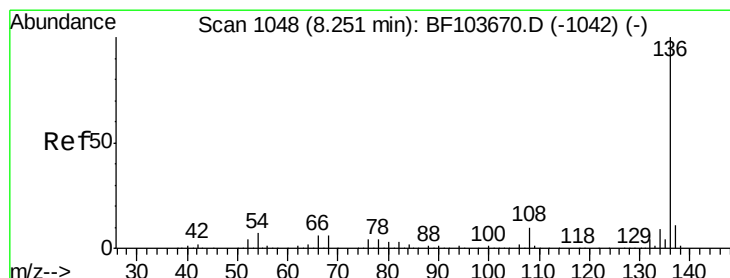
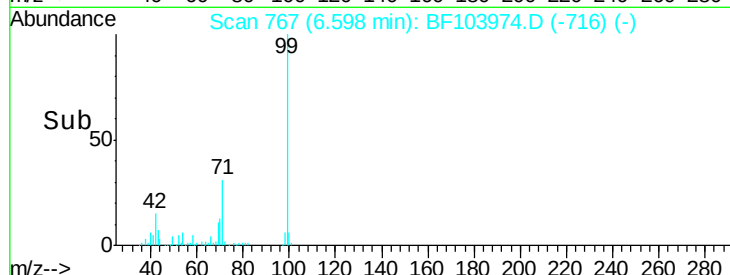
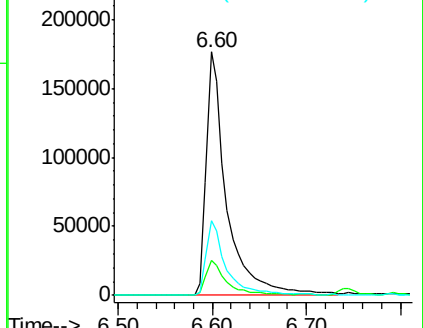
71 30.6 25.4 38.0



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: 8.25 min Scan# 1048

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Tgt Ion: 136 Resp: 606286

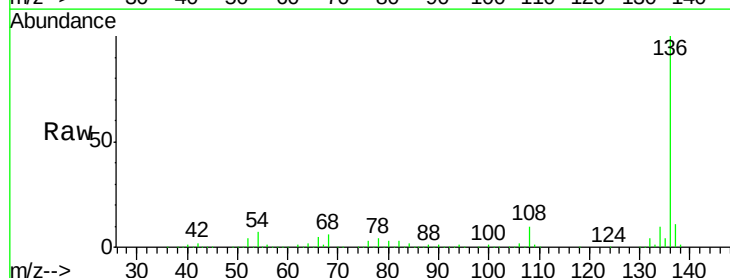
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 7.0 6.6 9.8

68 6.3 5.0 7.4

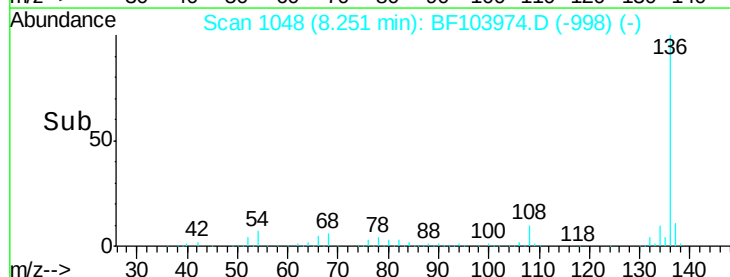
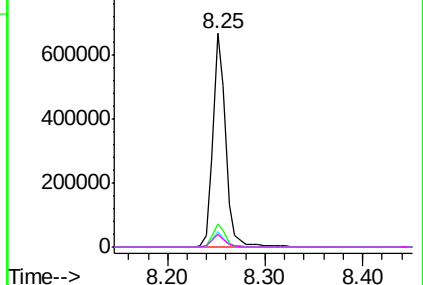


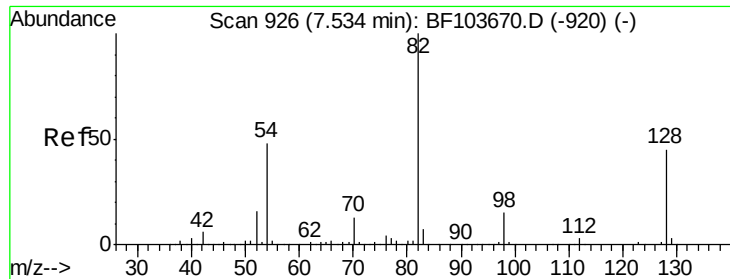
Abundance Ion 136.00 (135.70 to 136.70): E

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

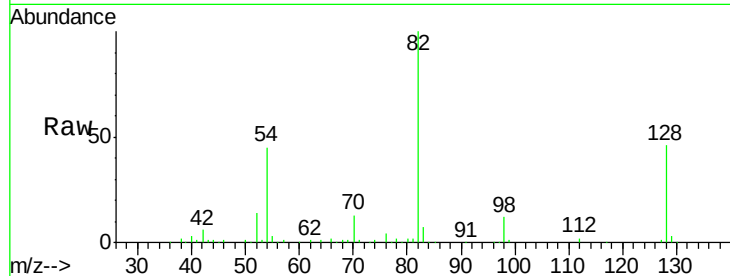




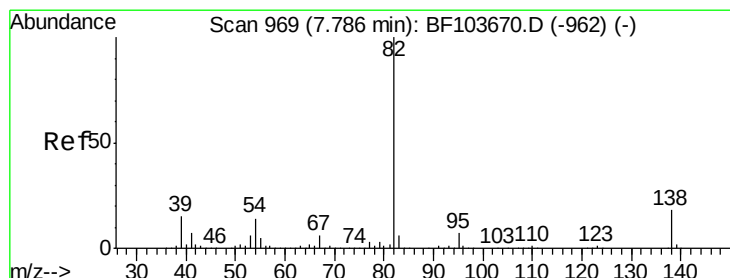
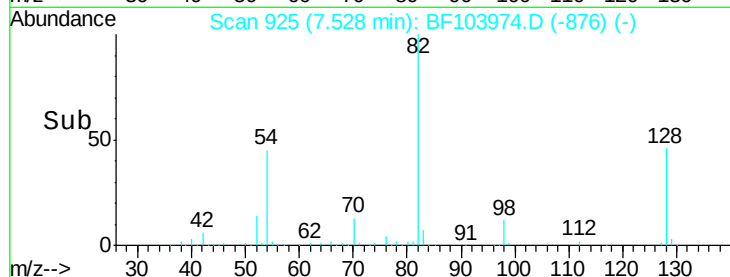
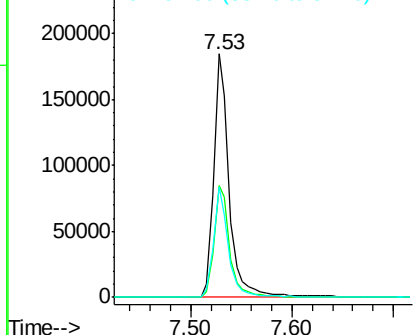
#23
 Nitrobenzene-d5
 Concen: 22.489 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 195521
 Ion Ratio Lower Upper
 82 100
 128 45.9 36.1 54.1
 54 45.3 41.4 62.2

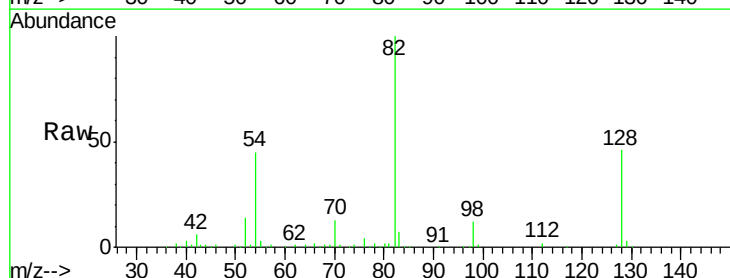


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

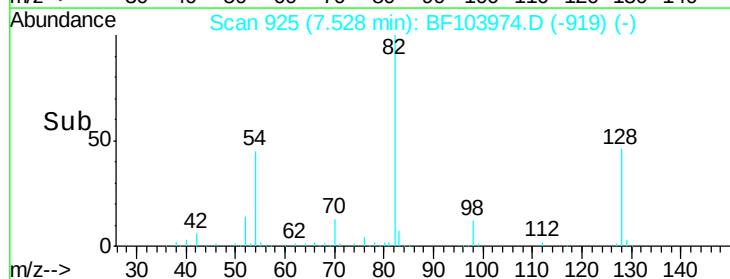
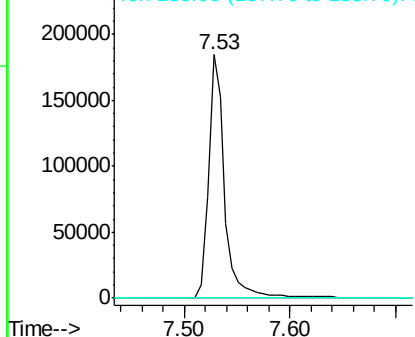


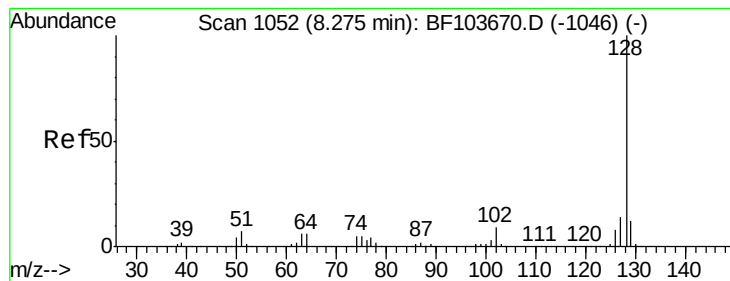
#25
 Isophorone
 Concen: 9.715 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.26 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

Tgt Ion: 82 Resp: 195519
 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





#31

Naphthalene

Concen: 3.338 ng

RT: 8.27 min Scan# 1052

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

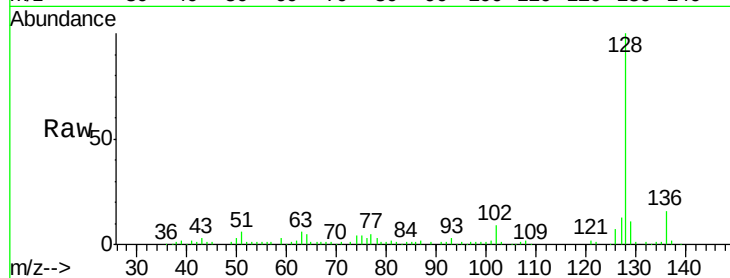
Tot Ion:128 Resp: 102232

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

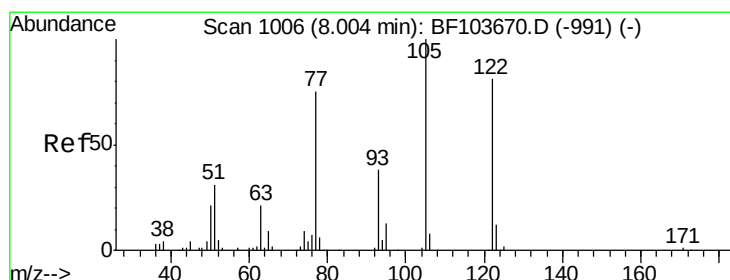
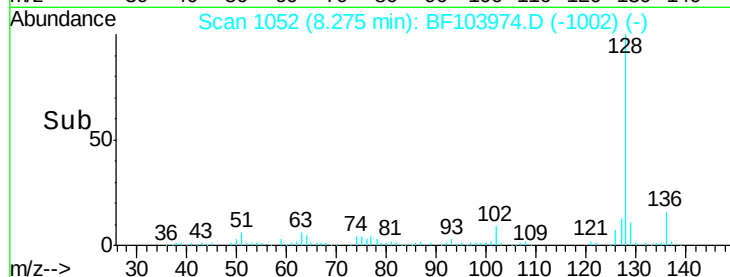
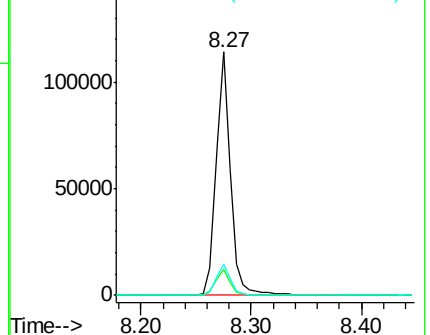
127 12.9 10.9 16.3



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: 9.920 ng

RT: 8.05 min Scan# 1013

Delta R.T. 0.03 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

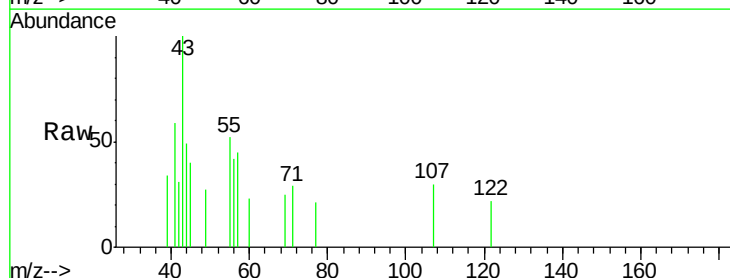
Tgt Ion:122 Resp: 112

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

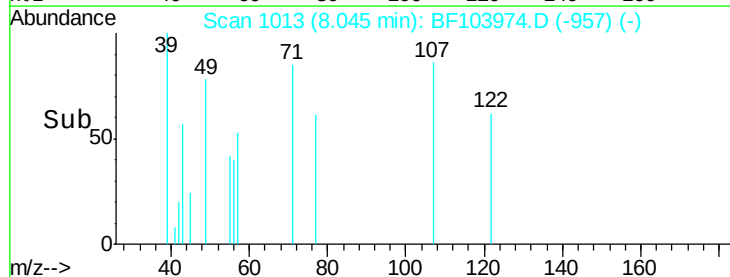
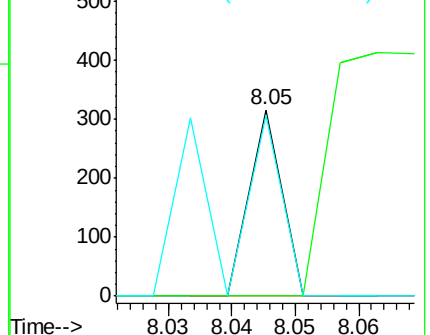
77 97.2 70.7 110.7

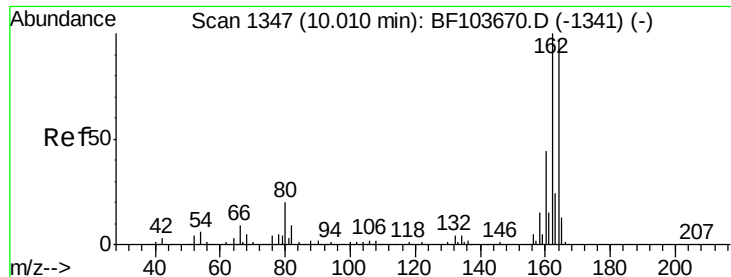


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

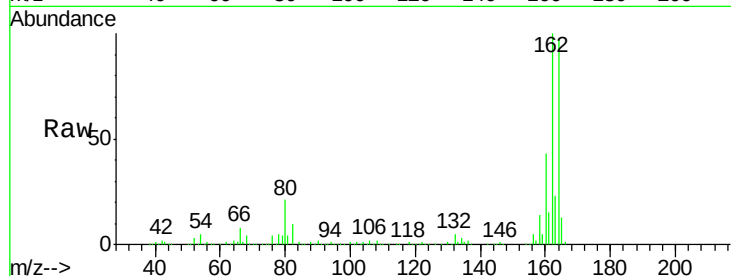
Tot Ion:164 Resp: 272192

Ion Ratio Lower Upper

164 100

162 103.4 86.1 129.1

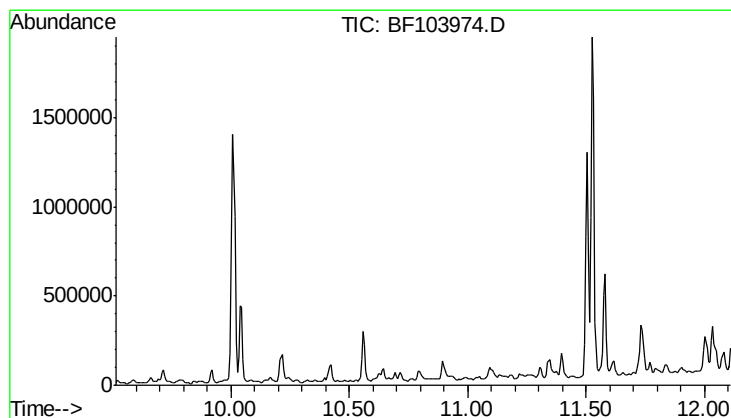
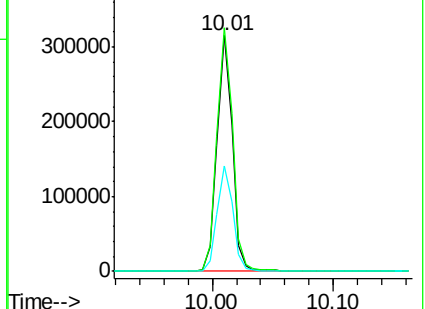
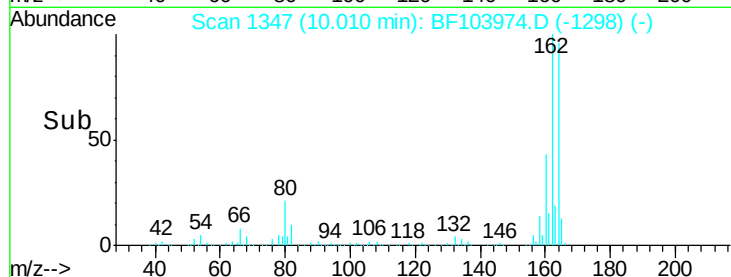
160 45.0 38.3 57.5



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: 0.000 ng

Expected RT: 10.81 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

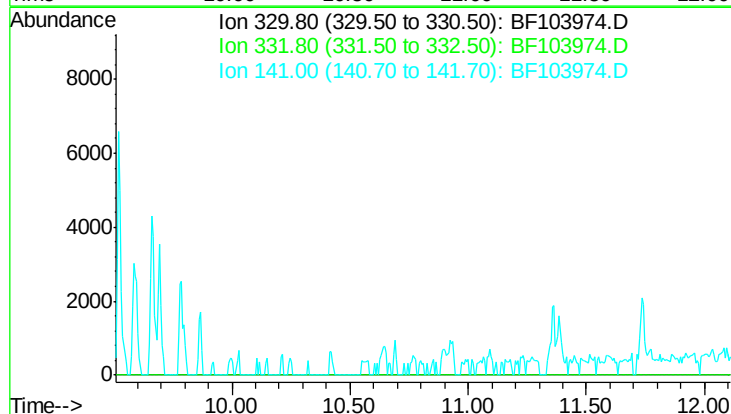
Tgt Ion: 330

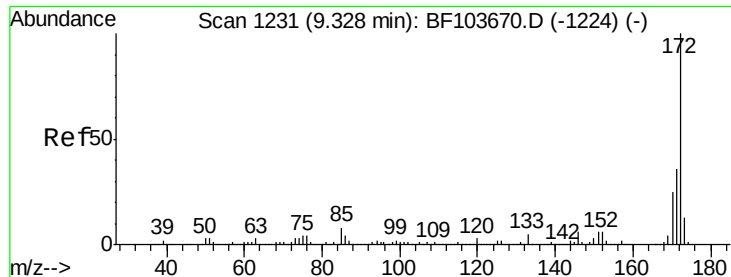
Sig Exp Ratio

330 100

332 96.3

141 37.4

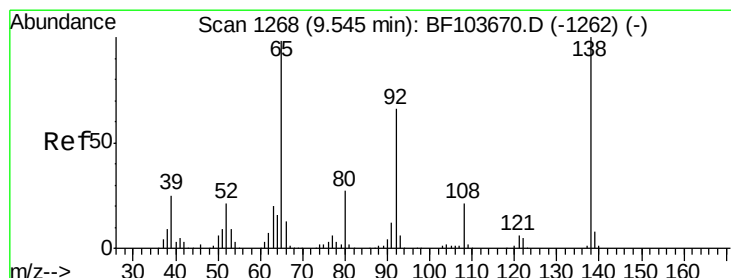
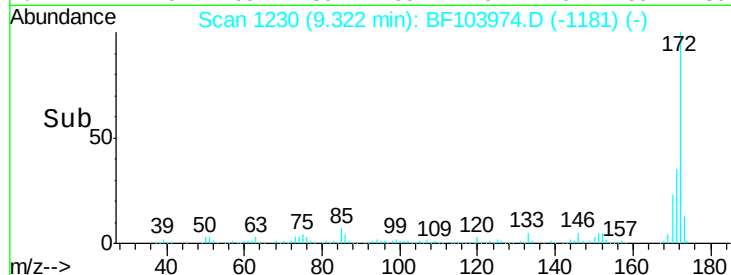
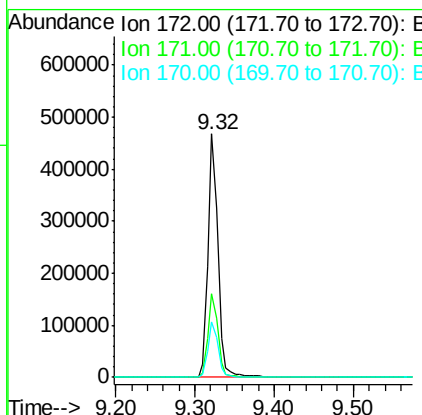
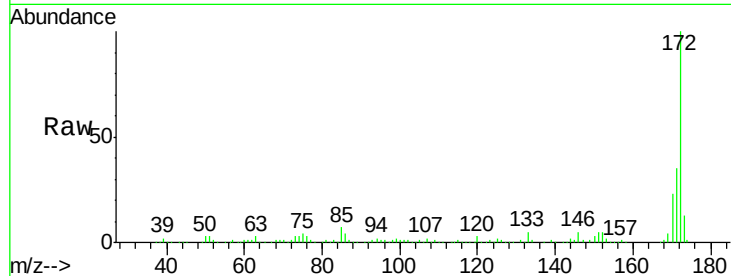




#44
 2-Fluorobiphenyl
 Concen: 24.167 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

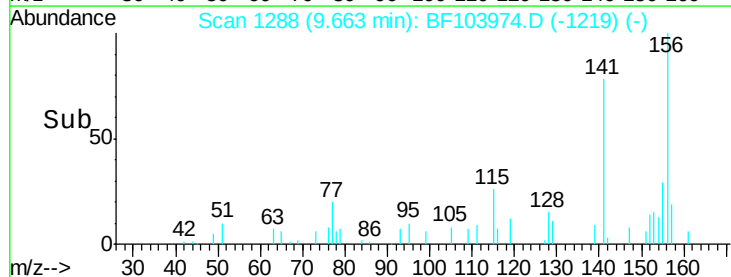
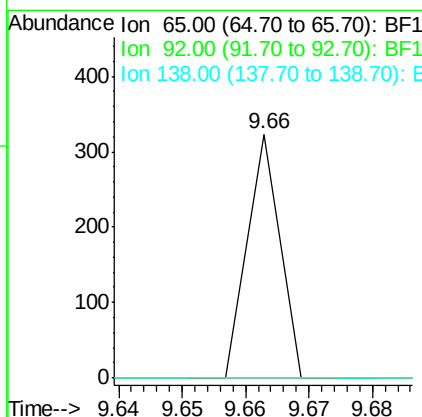
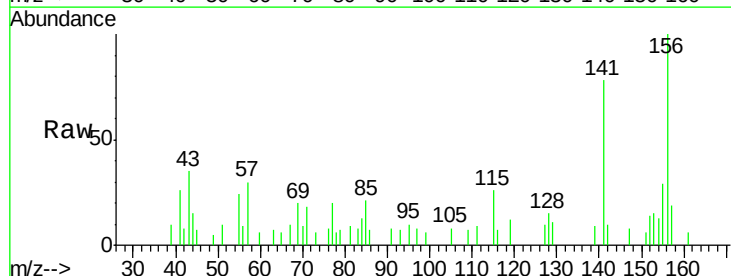
Instrument :
 BNA_F
 ClientSampleId :

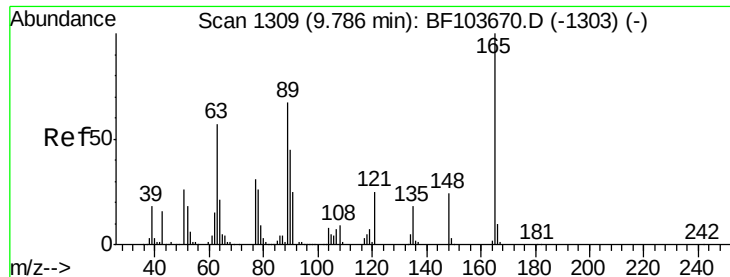
Tot Ion:172 Resp: 412382
 Ion Ratio Lower Upper
 172 100
 171 34.6 29.7 44.5
 170 22.9 19.6 29.4



#47
 2-Nitroaniline
 Concen: 6.835 ng
 RT: 9.66 min Scan# 1288
 Delta R.T. 0.11 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

Tgt Ion: 65 Resp: 114
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#

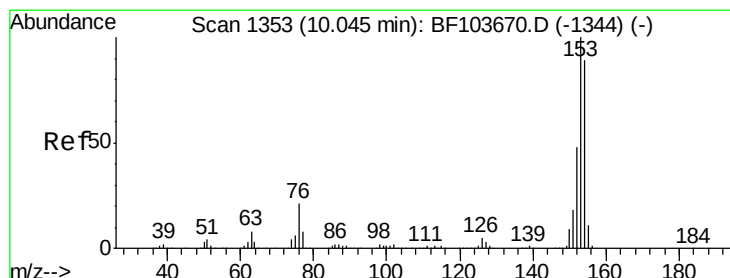
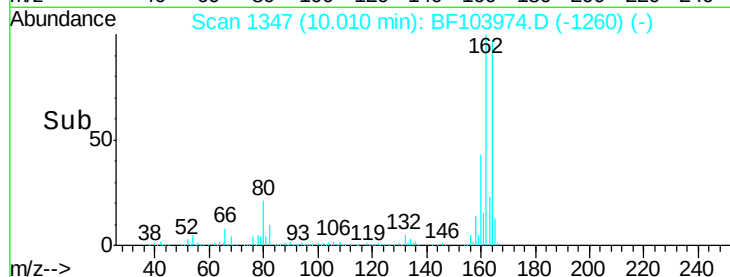
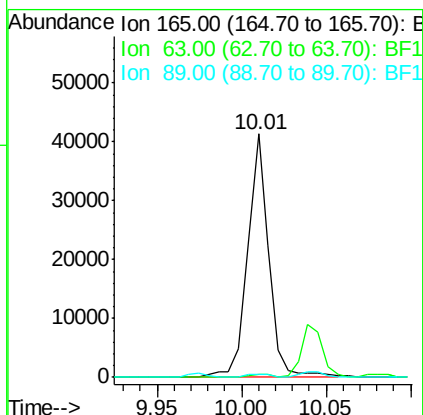
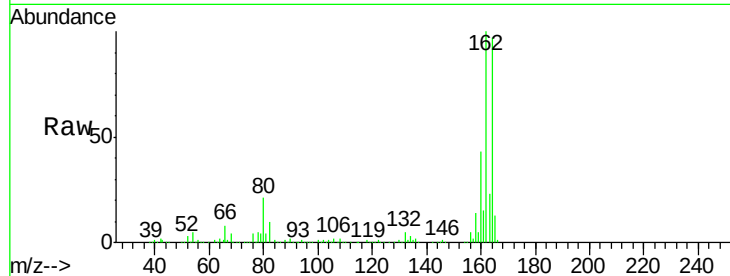




#50
2,6-Dinitrotoluene
Concen: 12.292 ng
RT: 10.01 min Scan# 1347
Delta R.T. 0.21 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

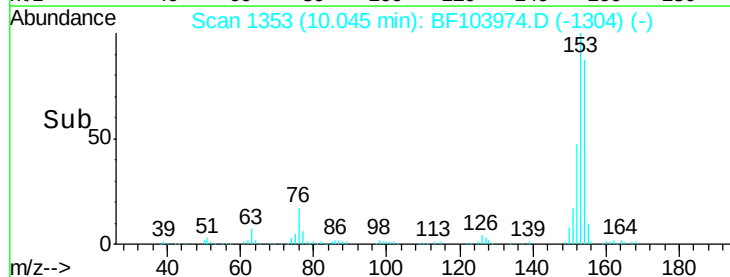
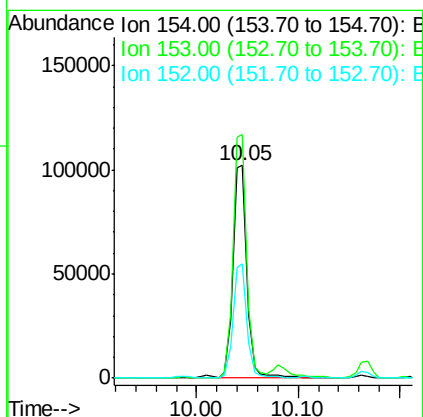
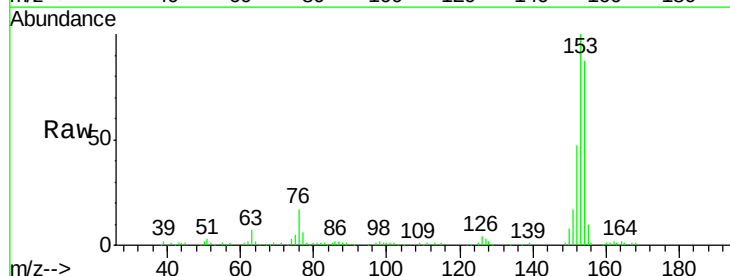
Instrument :
BNA_F
ClientSampleId :

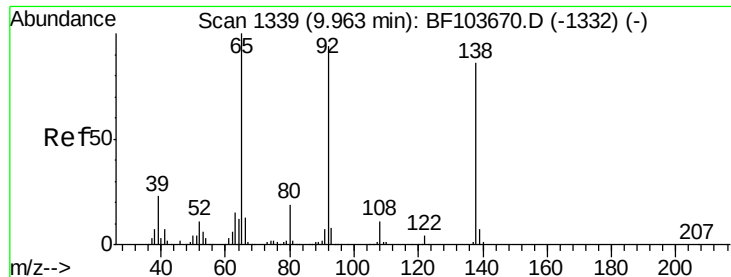
Tot Ion:165 Resp: 36399
Ion Ratio Lower Upper
165 100
63 1.3 44.7 67.1#
89 1.1 44.0 66.0#



#51
Acenaphthene
Concen: 5.979 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Tgt Ion:154 Resp: 99235
Ion Ratio Lower Upper
154 100
153 114.7 91.2 136.8
152 54.1 43.8 65.8





#52

3-Nitroaniline

Concen: 3.999 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.25 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

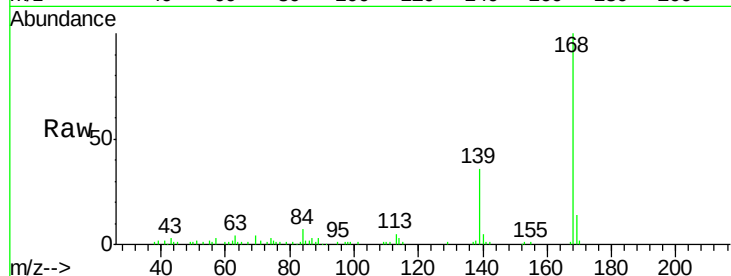
Tot Ion:138 Resp: 963

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

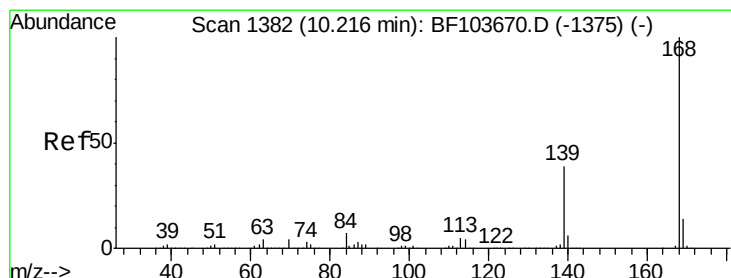
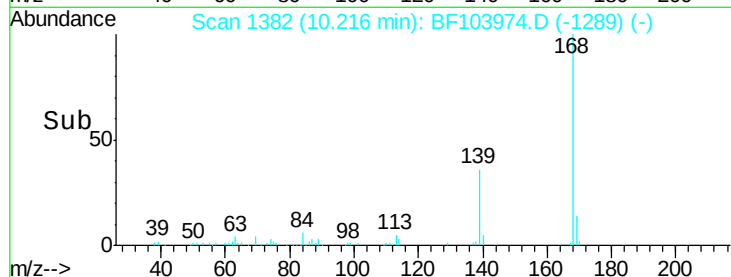
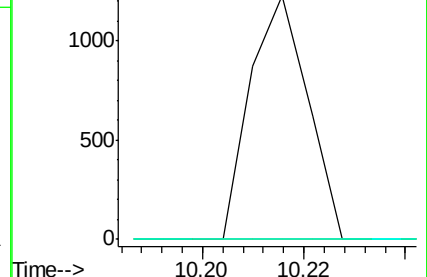
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54

Dibenzofuran

Concen: 2.673 ng

RT: 10.22 min Scan# 1382

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

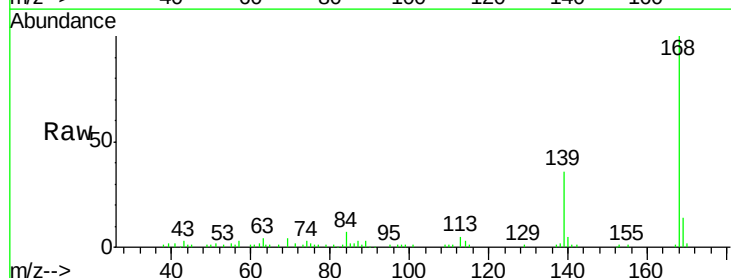
Tgt Ion:168 Resp: 63361

Ion Ratio Lower Upper

168 100

139 36.5 30.1 45.1

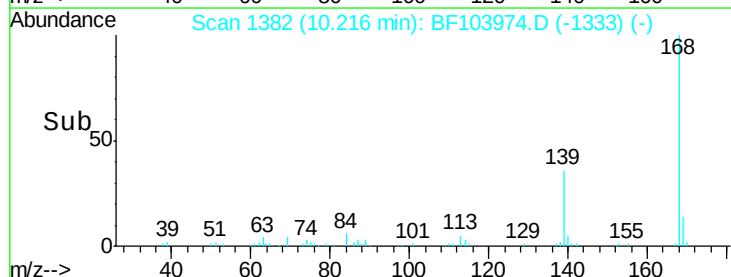
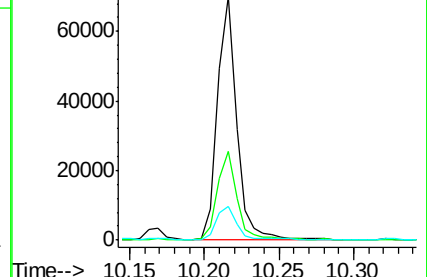
169 13.8 10.9 16.3

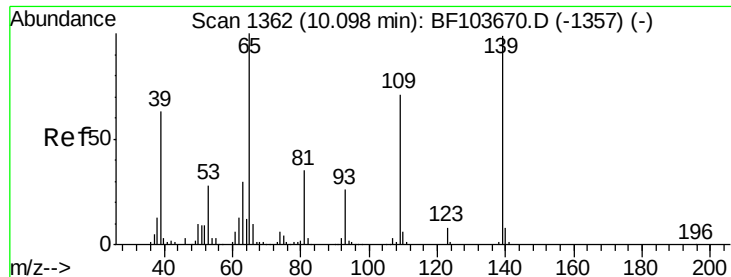


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

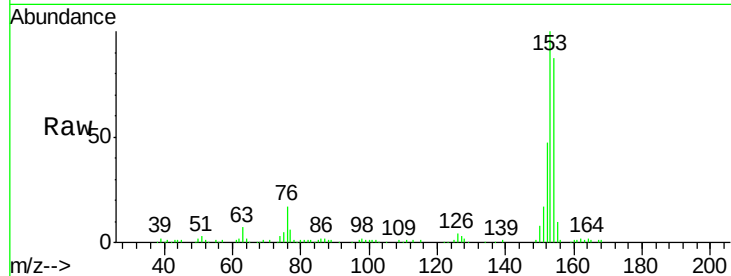




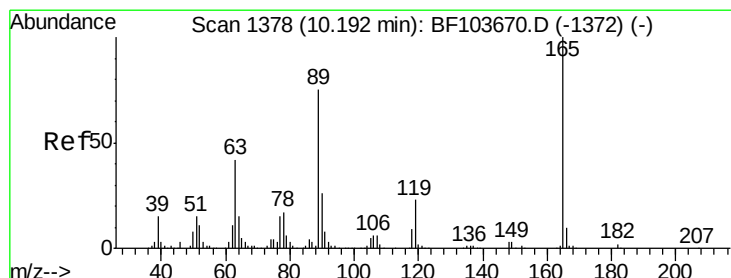
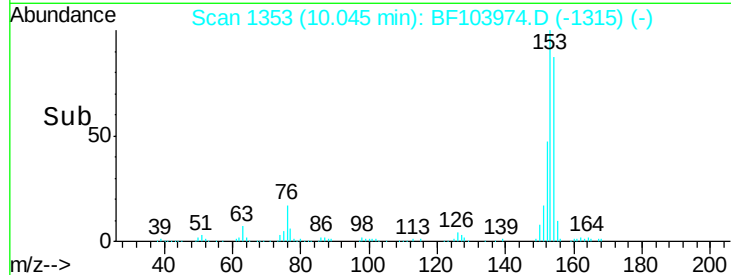
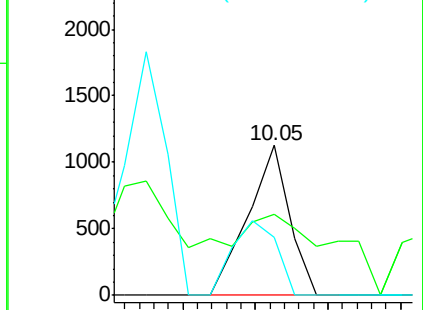
#55
4-Nitrophenol
Concen: 5.193 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.08 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 907
Ion Ratio Lower Upper
139 100
109 54.0 48.4 88.4
65 39.0 72.6 112.6#

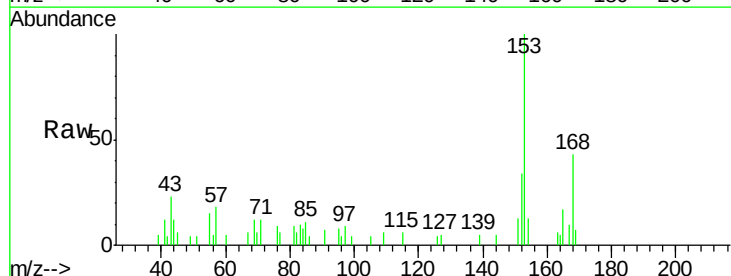


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

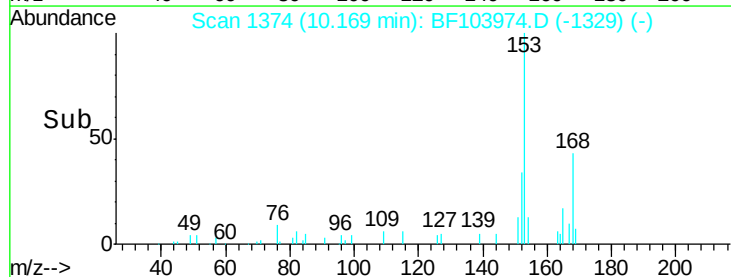
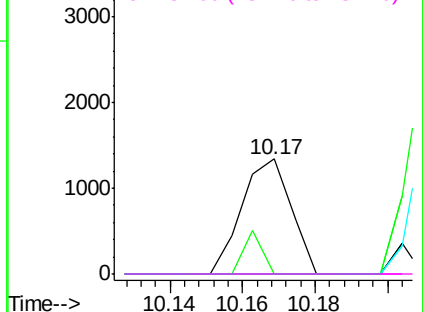


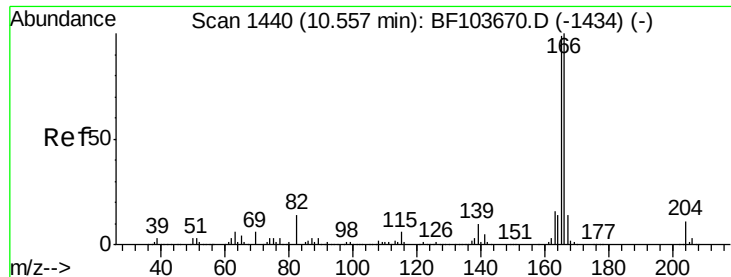
#56
2,4-Dinitrotoluene
Concen: 6.430 ng
RT: 10.17 min Scan# 1374
Delta R.T. -0.04 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Tgt Ion:165 Resp: 1265
Ion Ratio Lower Upper
165 100
63 0.0 36.4 54.6#
89 0.0 57.8 86.6#
182 0.0 1.6 2.4#



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





#57

Fluorene

Concen: 4.185 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

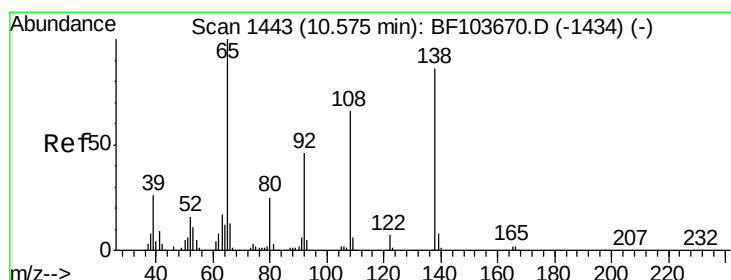
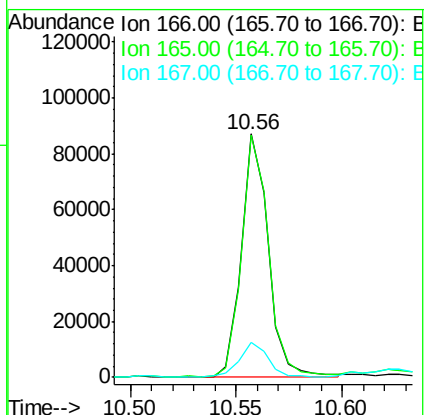
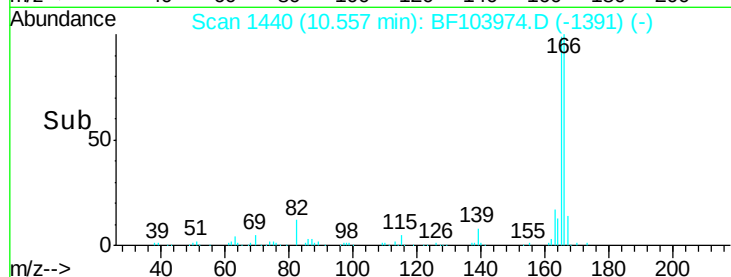
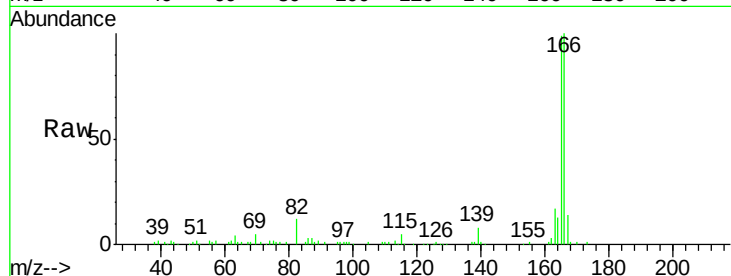
Tot Ion:166 Resp: 76985

Ion Ratio Lower Upper

166 100

165 99.4 79.8 119.8

167 14.1 10.6 16.0



#61

4-Nitroaniline

Concen: 3.908 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.03 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

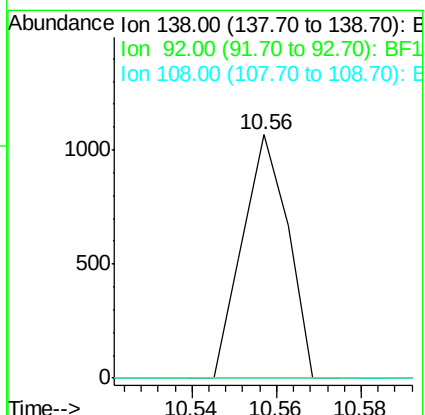
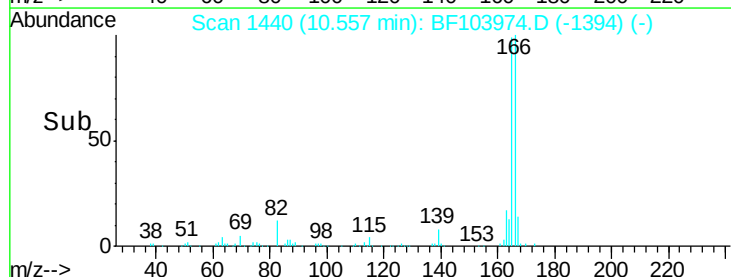
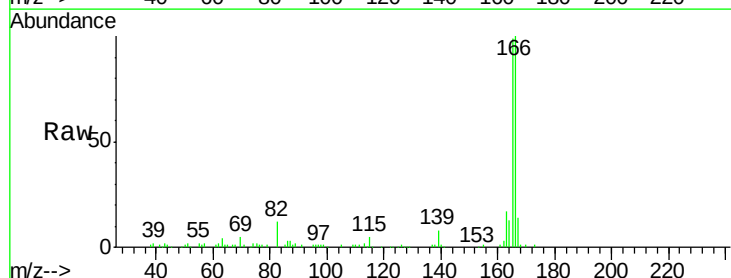
Tgt Ion:138 Resp: 797

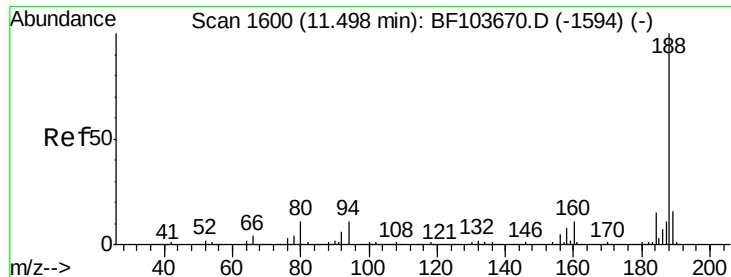
Ion Ratio Lower Upper

138 100

92 0.0 30.2 70.2#

108 0.0 52.5 92.5#

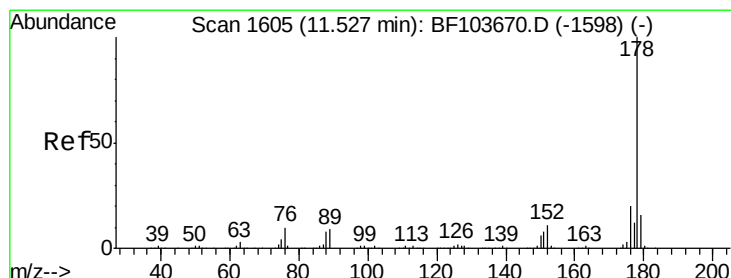
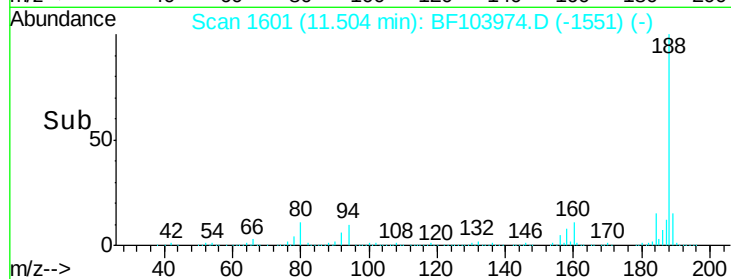
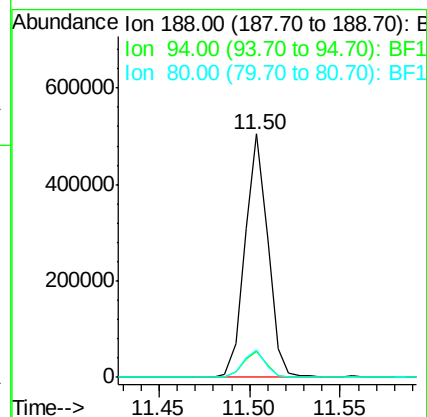
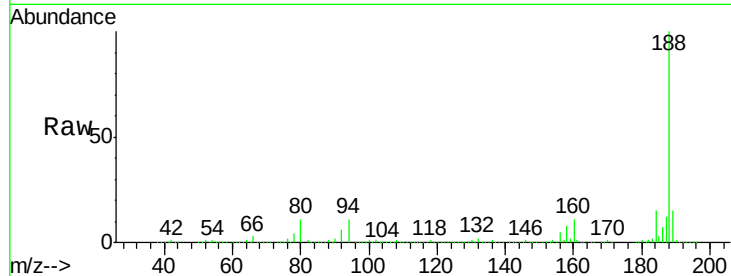




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

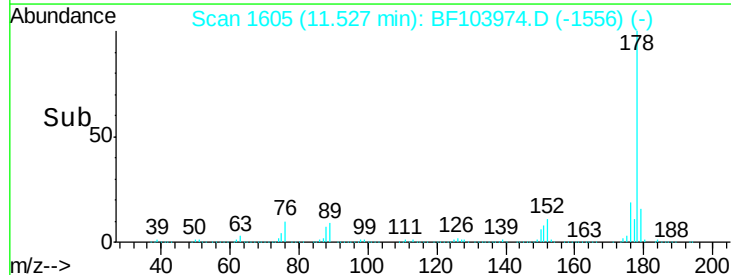
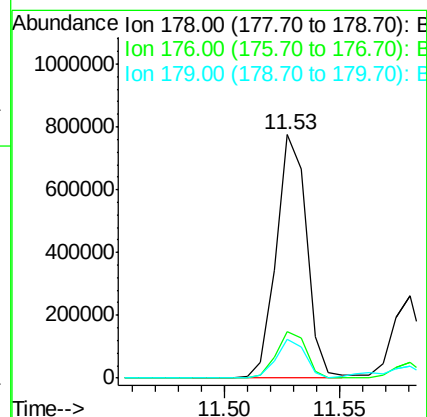
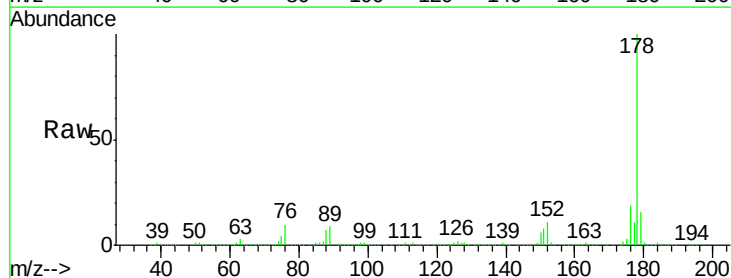
Instrument :
 BNA_F
 ClientSampleId :

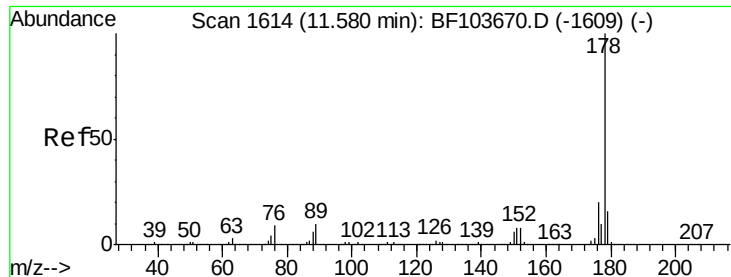
Tot Ion:188 Resp: 441211
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.5 9.2 13.8



#70
 Phenanthrene
 Concen: 29.198 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.01 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

Tgt Ion:178 Resp: 704706
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.8 23.8
 179 15.7 13.0 19.6

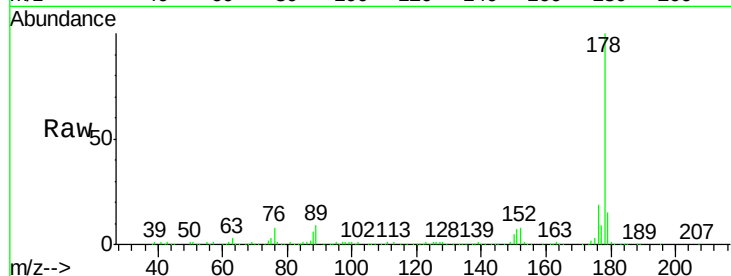




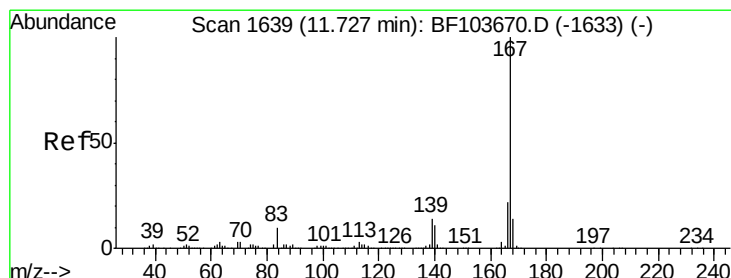
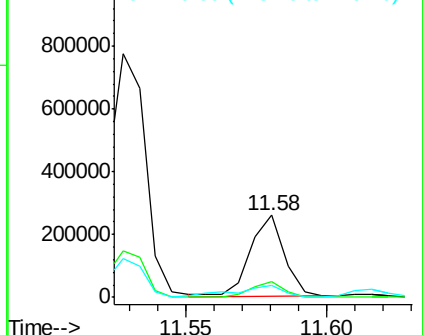
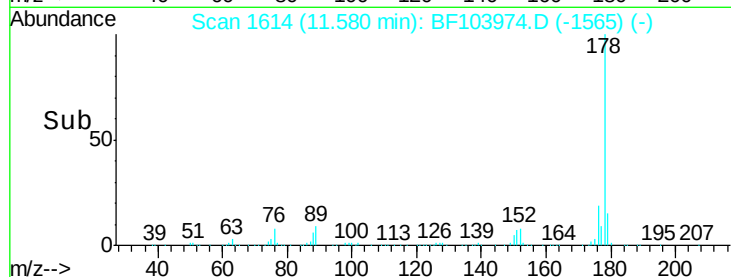
#71
 Anthracene
 Concen: 8.724 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.01 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 213862
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.0 12.6 19.0

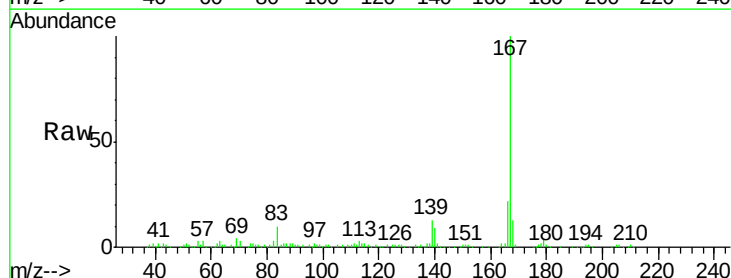


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

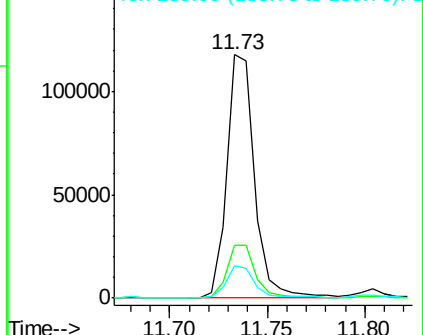
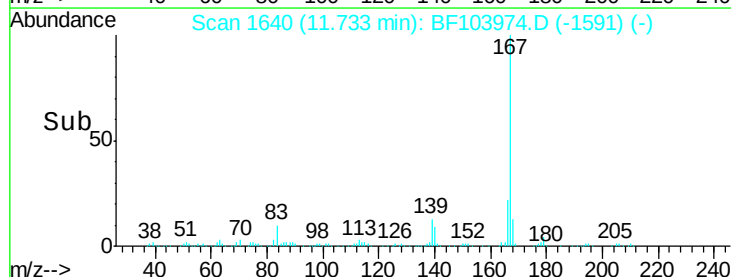


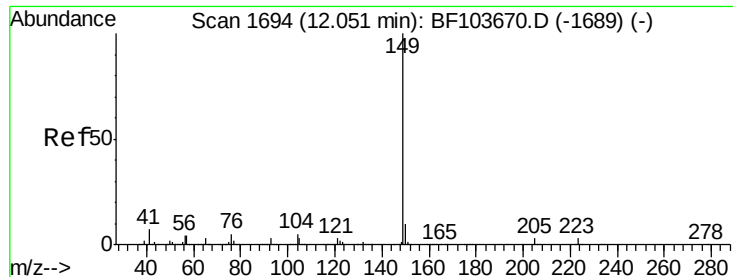
#72
 Carbazole
 Concen: 4.878 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. -0.01 min
 Lab File: BF103974.D
 Acq: 27 Mar 2018 17:17

Tgt Ion:167 Resp: 116227
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.6 26.4
 139 13.3 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





#73

Di-n-butylphthalate

Concen: 2.111 ng

RT: 12.05 min Scan# 1694

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

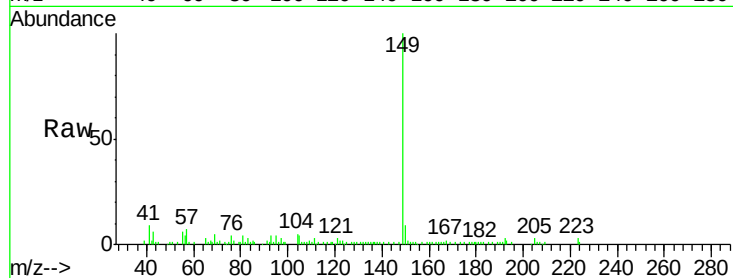
Tot Ion:149 Resp: 60356

Ion Ratio Lower Upper

149 100

150 9.1 7.8 11.6

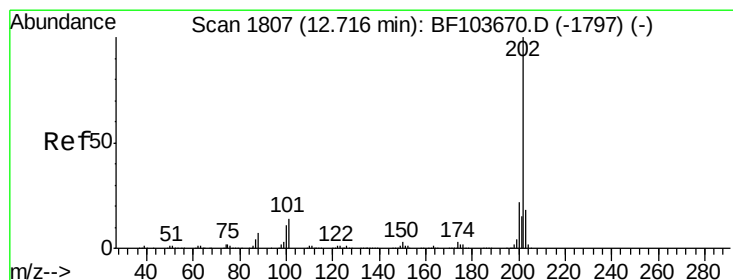
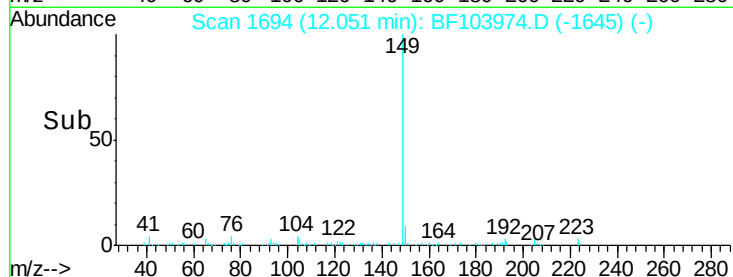
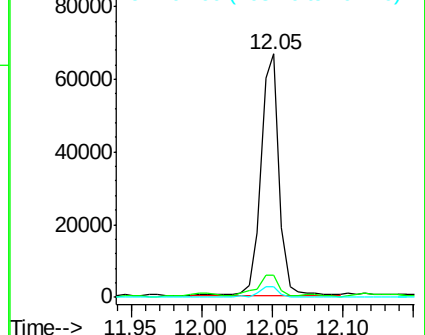
104 4.6 3.8 5.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 31.339 ng

RT: 12.73 min Scan# 1809

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

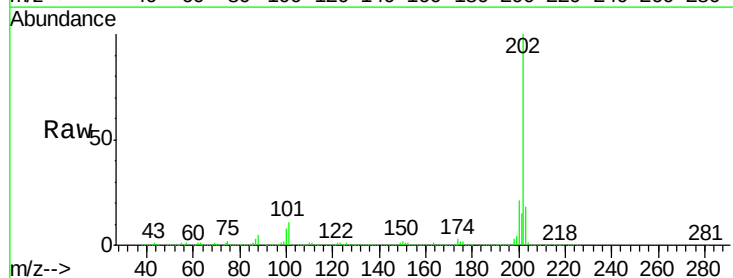
Tgt Ion:202 Resp: 779233

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

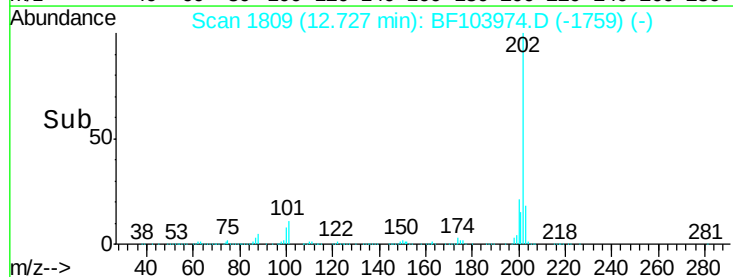
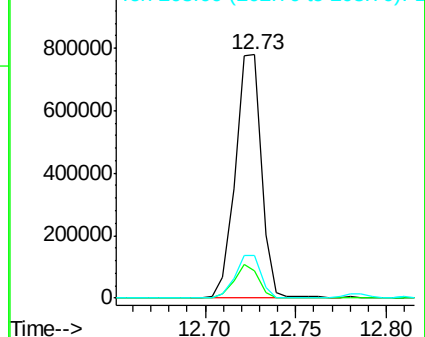
203 17.8 0.0 38.1

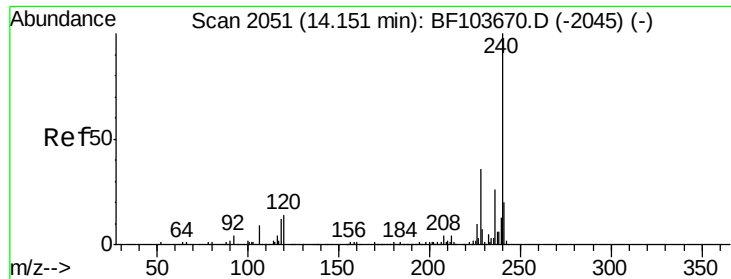


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

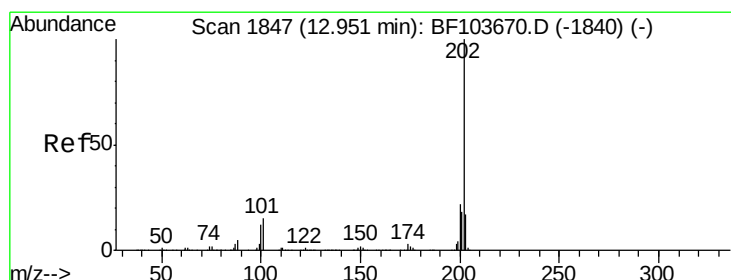
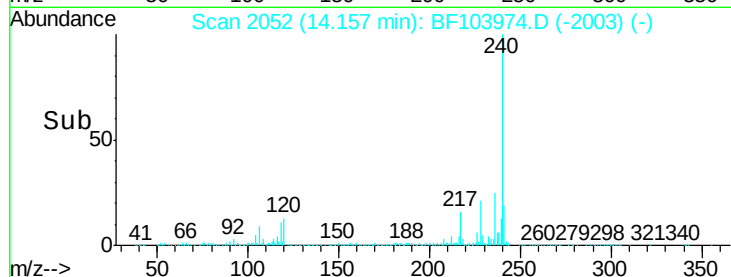
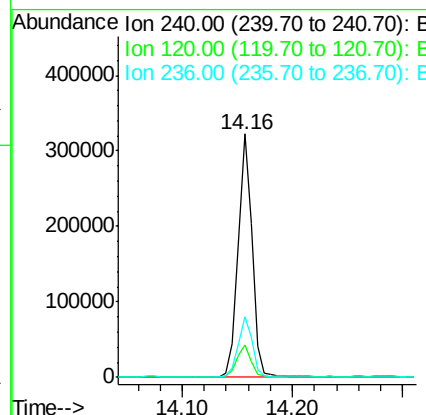
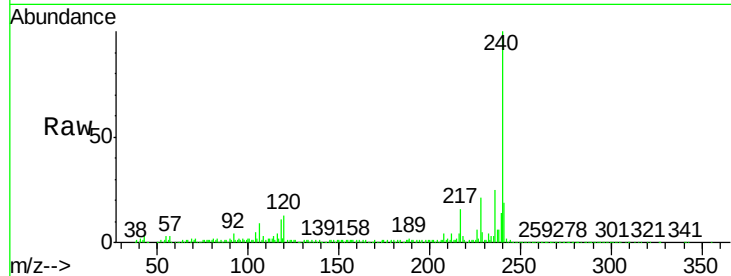




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

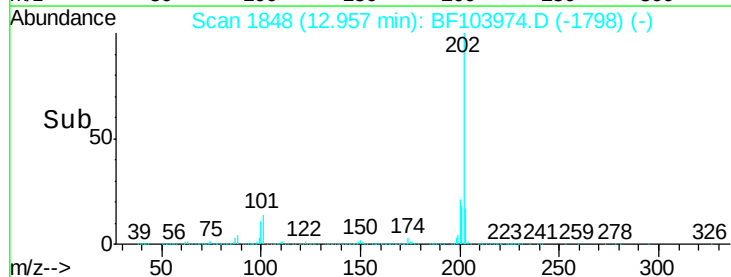
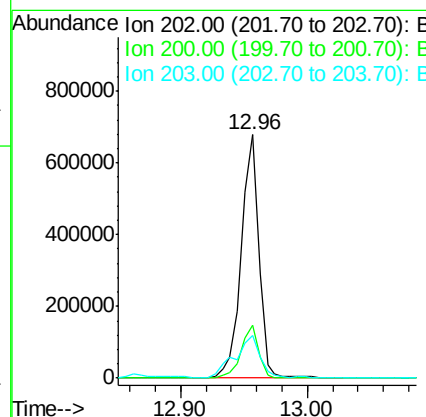
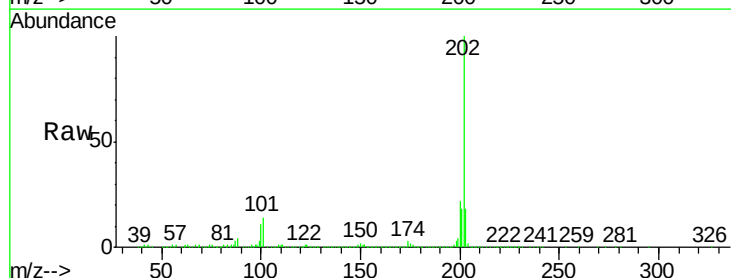
Instrument :
BNA_F
ClientSampleId :

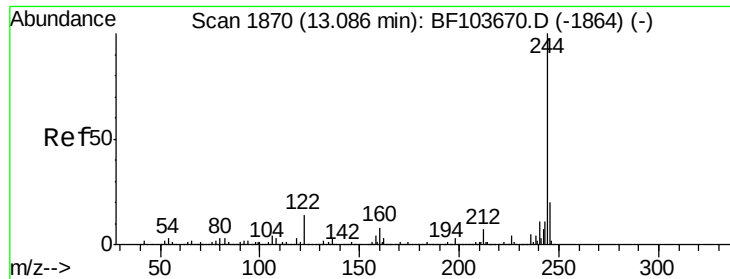
Tot Ion:240 Resp: 287773
Ion Ratio Lower Upper
240 100
120 13.3 9.5 14.3
236 25.1 20.7 31.1



#77
Pyrene
Concen: 30.381 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Tgt Ion:202 Resp: 642069
Ion Ratio Lower Upper
202 100
200 21.5 17.4 26.2
203 17.6 14.3 21.5





#78

Terphenyl-d14

Concen: 26.661 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

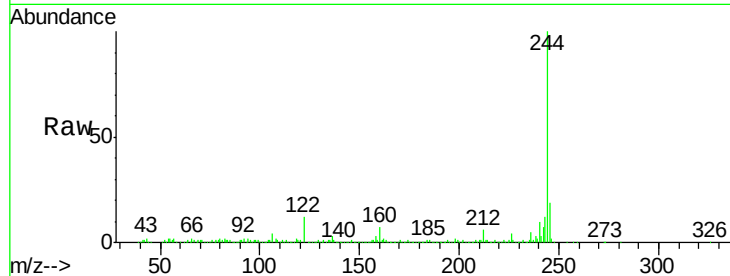
Tot Ion:244 Resp: 330543

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

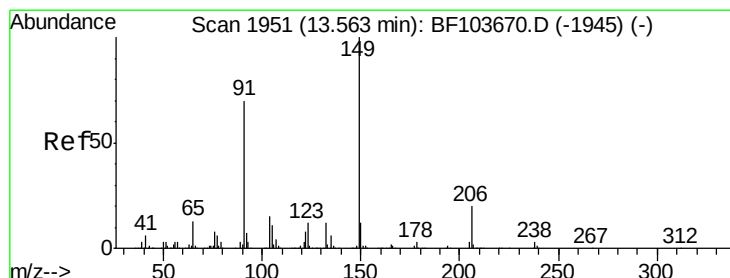
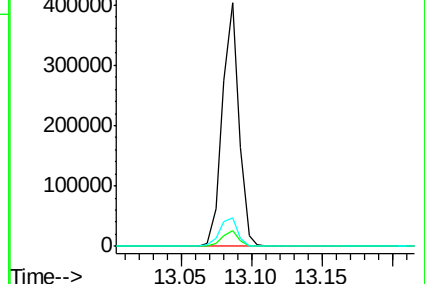
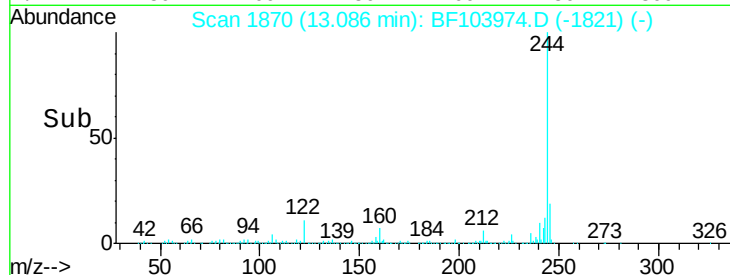
122 11.6 11.0 16.4



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



#79

Butylbenzylphthalate

Concen: 11.572 ng

RT: 13.56 min Scan# 1950

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

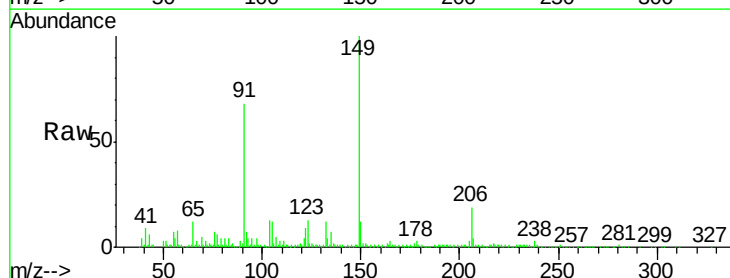
Tgt Ion:149 Resp: 108352

Ion Ratio Lower Upper

149 100

91 68.2 56.8 85.2

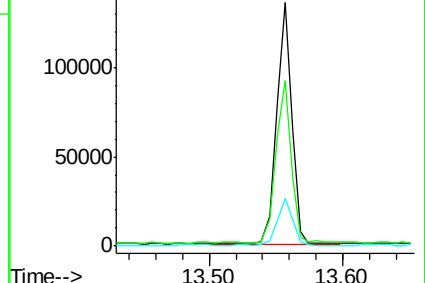
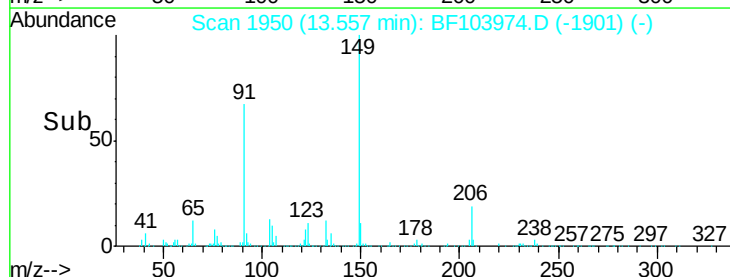
206 19.4 14.1 21.1

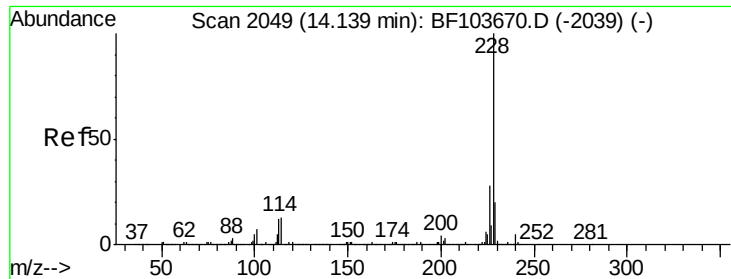


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 17.767 ng

RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

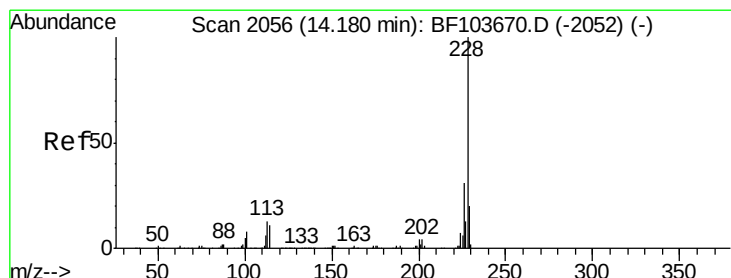
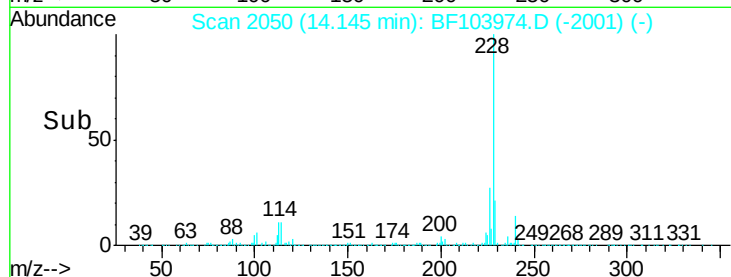
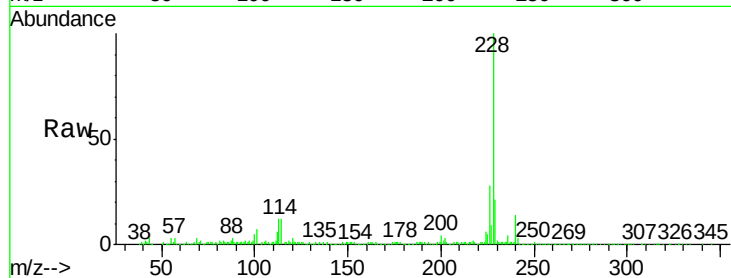
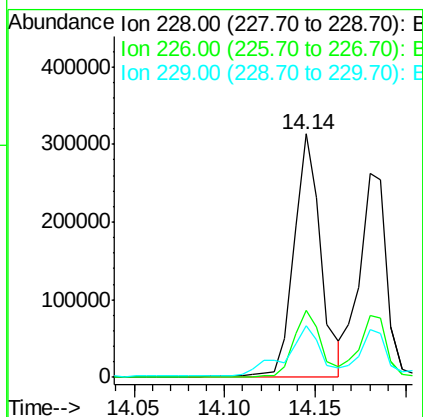
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 323646

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	21.2	15.8	23.6



#82

Chrysene

Concen: 15.903 ng

RT: 14.18 min Scan# 2056

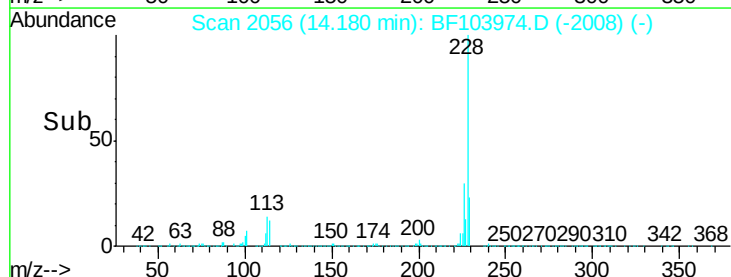
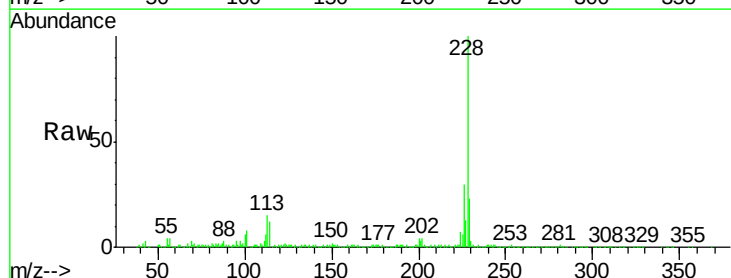
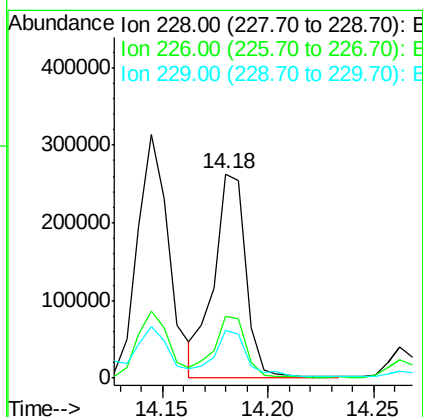
Delta R.T. -0.02 min

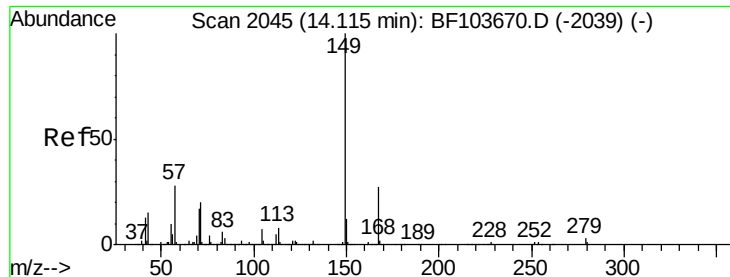
Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Tgt Ion:228 Resp: 276146

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	23.3	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 23.362 ng

RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

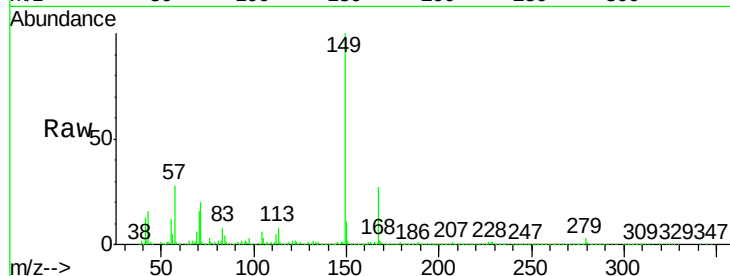
Tot Ion:149 Resp: 312500

Ion Ratio Lower Upper

149 100

167 26.5 21.3 31.9

279 3.4 3.0 4.4

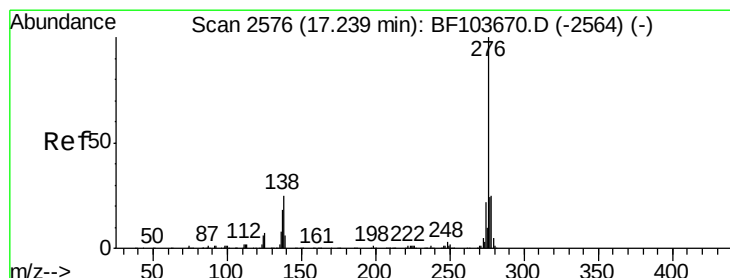
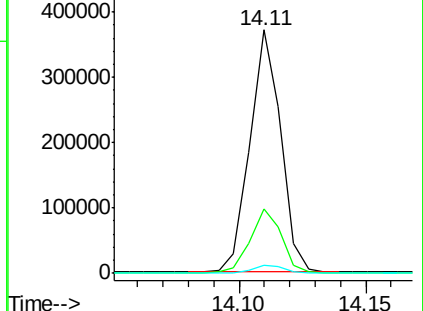
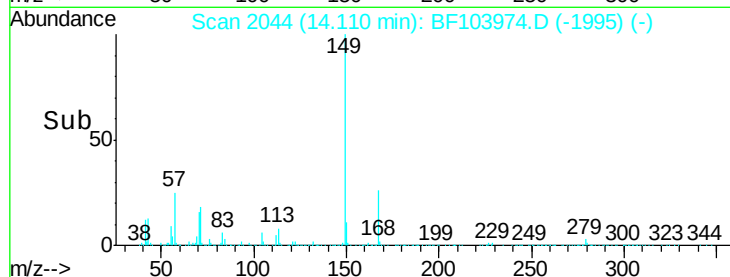


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time-->



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.138 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.02 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

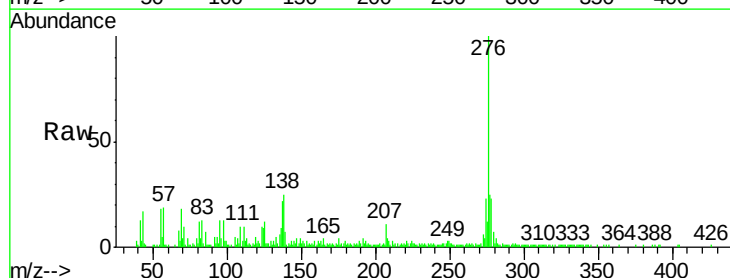
Tgt Ion:276 Resp: 123408

Ion Ratio Lower Upper

276 100

138 23.4 25.0 37.6#

277 25.1 20.1 30.1

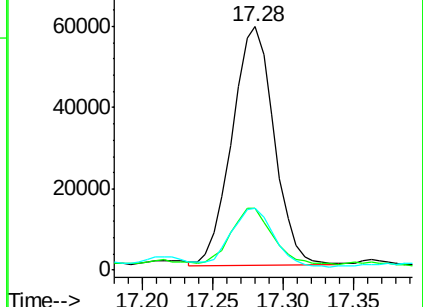
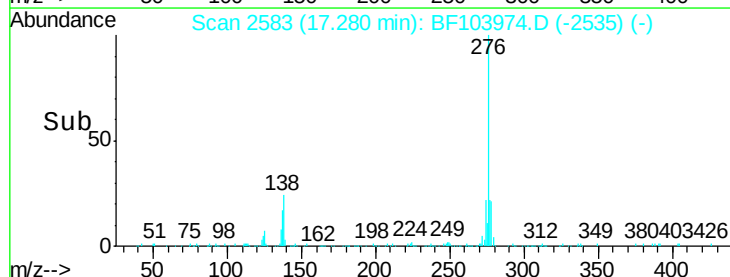


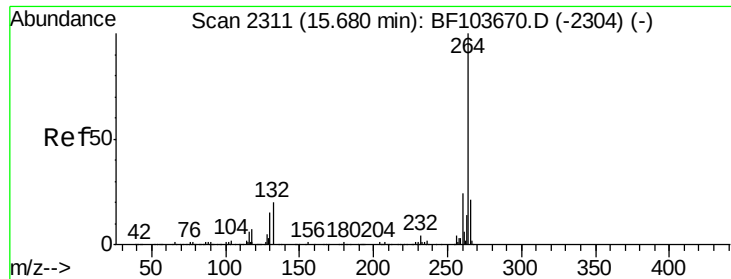
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

Time-->

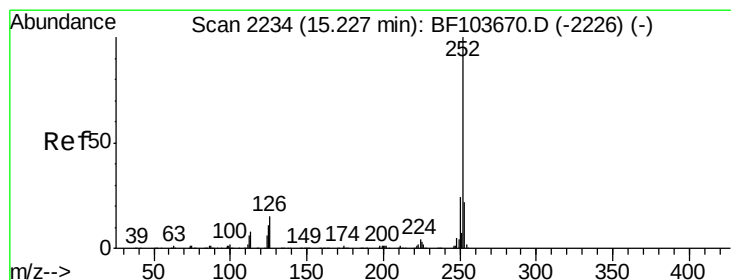
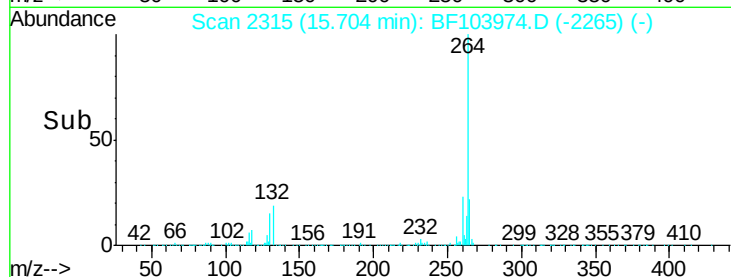
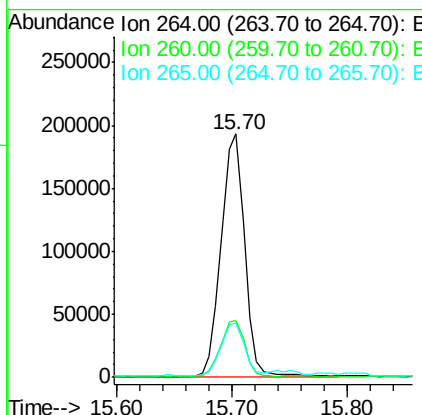
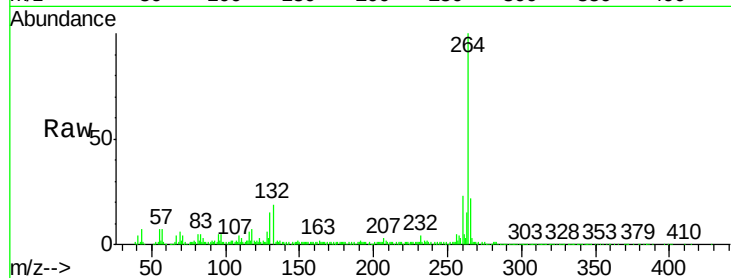




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. -0.01 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

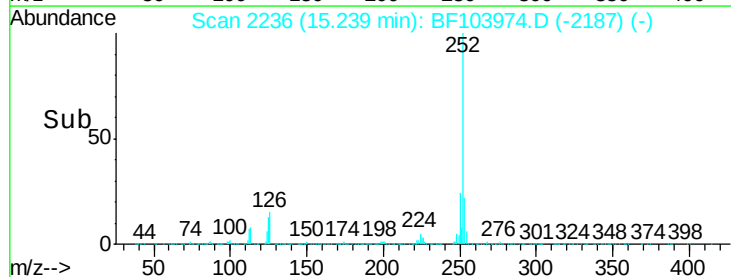
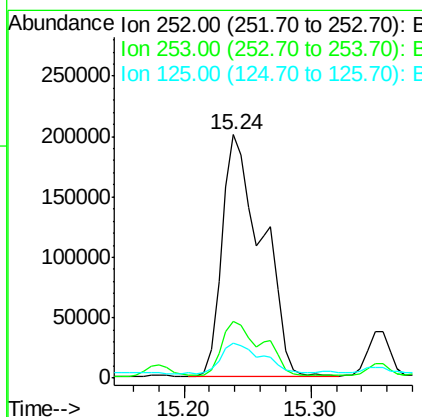
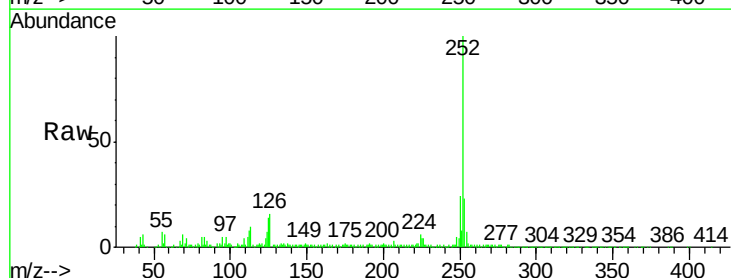
Instrument :
BNA_F
ClientSampleId :

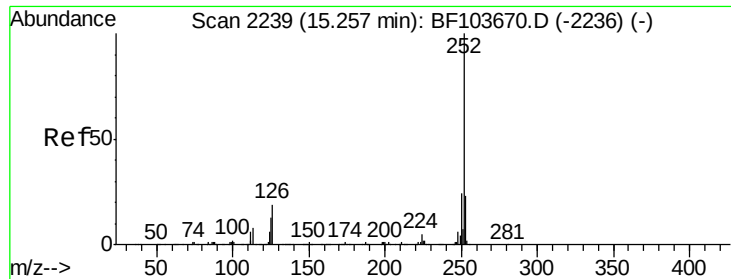
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.1	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 25.582 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	14.2	9.0	13.6#

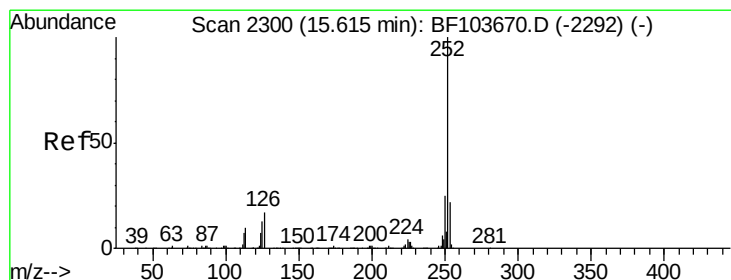
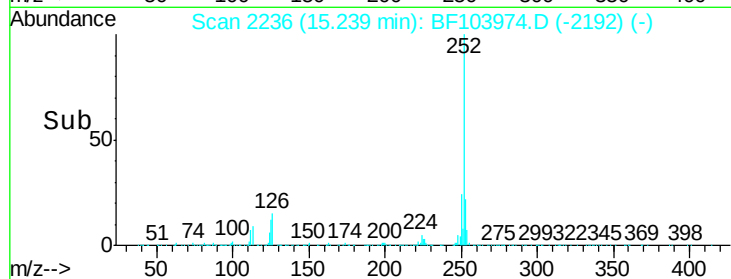
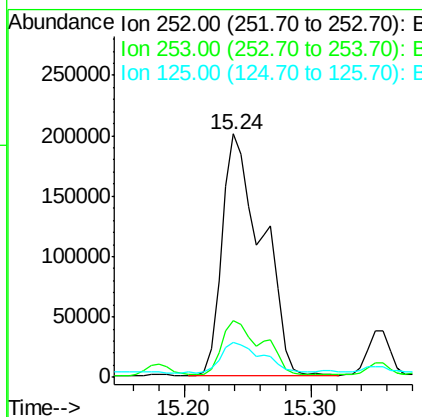
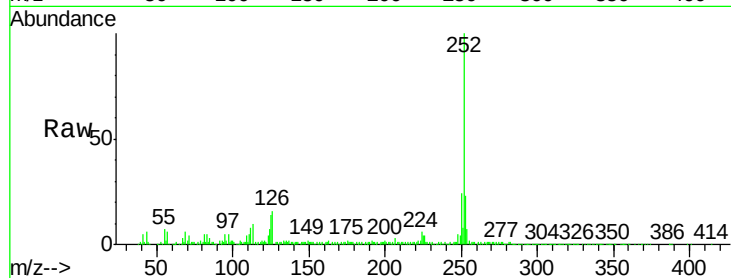




#88
Benzo(k)fluoranthene
Concen: 26.613 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.04 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

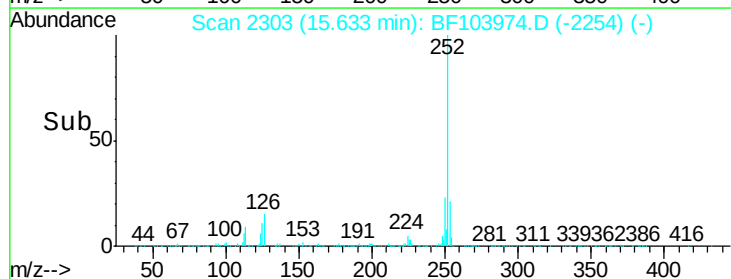
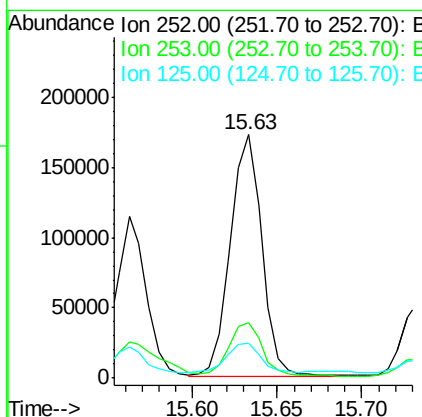
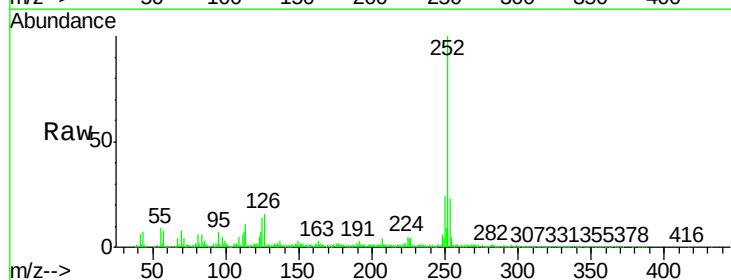
Instrument :
BNA_F
ClientSampleId :

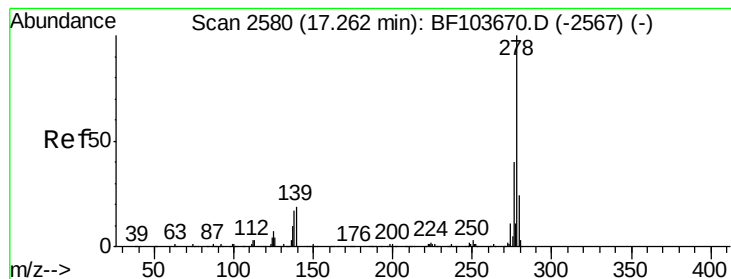
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	14.2	10.2	15.2



#89
Benzo(a)pyrene
Concen: 14.352 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BF103974.D
Acq: 27 Mar 2018 17:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	14.3	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.374 ng

RT: 17.29 min Scan# 2584

Delta R.T. -0.03 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

Instrument :

BNA_F

ClientSampleId :

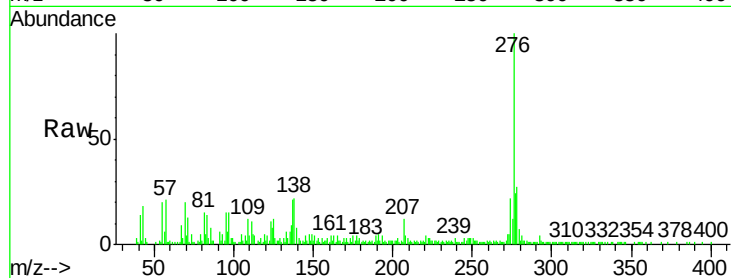
Tot Ion:278 Resp: 32050

Ion Ratio Lower Upper

278 100

139 27.8 15.9 23.9#

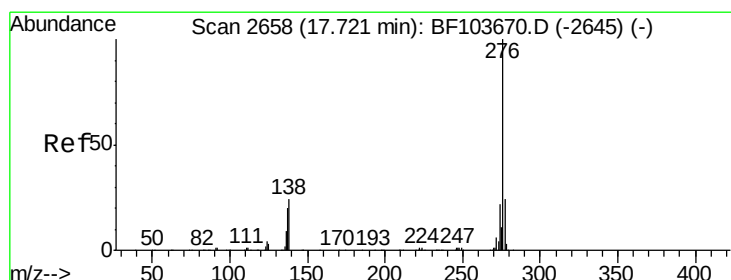
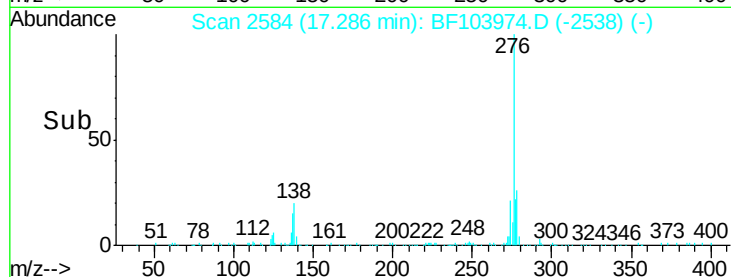
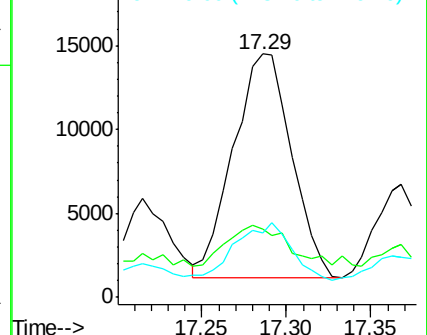
279 26.7 19.0 28.4



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: 8.084 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.02 min

Lab File: BF103974.D

Acq: 27 Mar 2018 17:17

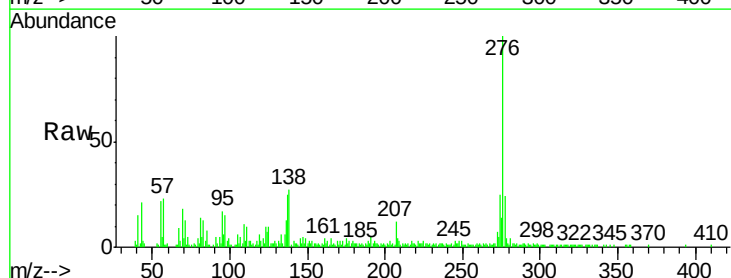
Tgt Ion:276 Resp: 106159

Ion Ratio Lower Upper

276 100

277 24.3 17.9 26.9

138 27.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

