

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021918\
 Data File : BF103103.D
 Acq On : 20 Feb 2018 1:22
 Operator : SJ/JU
 Sample : J1600-03 20X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 20 02:18:35 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	164083	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	681903	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	297262	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	436506	20.00	ng	0.00
75) Chrysene-d12	14.05	240	268055	20.00	ng	0.00
86) Perylene-d12	15.54	264	280807	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	51035	4.72	ng	0.00
7) Phenol-d6	6.51	99	67051	5.15	ng	0.00
23) Nitrobenzene-d5	7.43	82	37058	3.77	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	8794	3.68	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	47211	2.64	ng	-0.01
78) Terphenyl-d14	12.98	244	29360	2.59	ng	-0.01

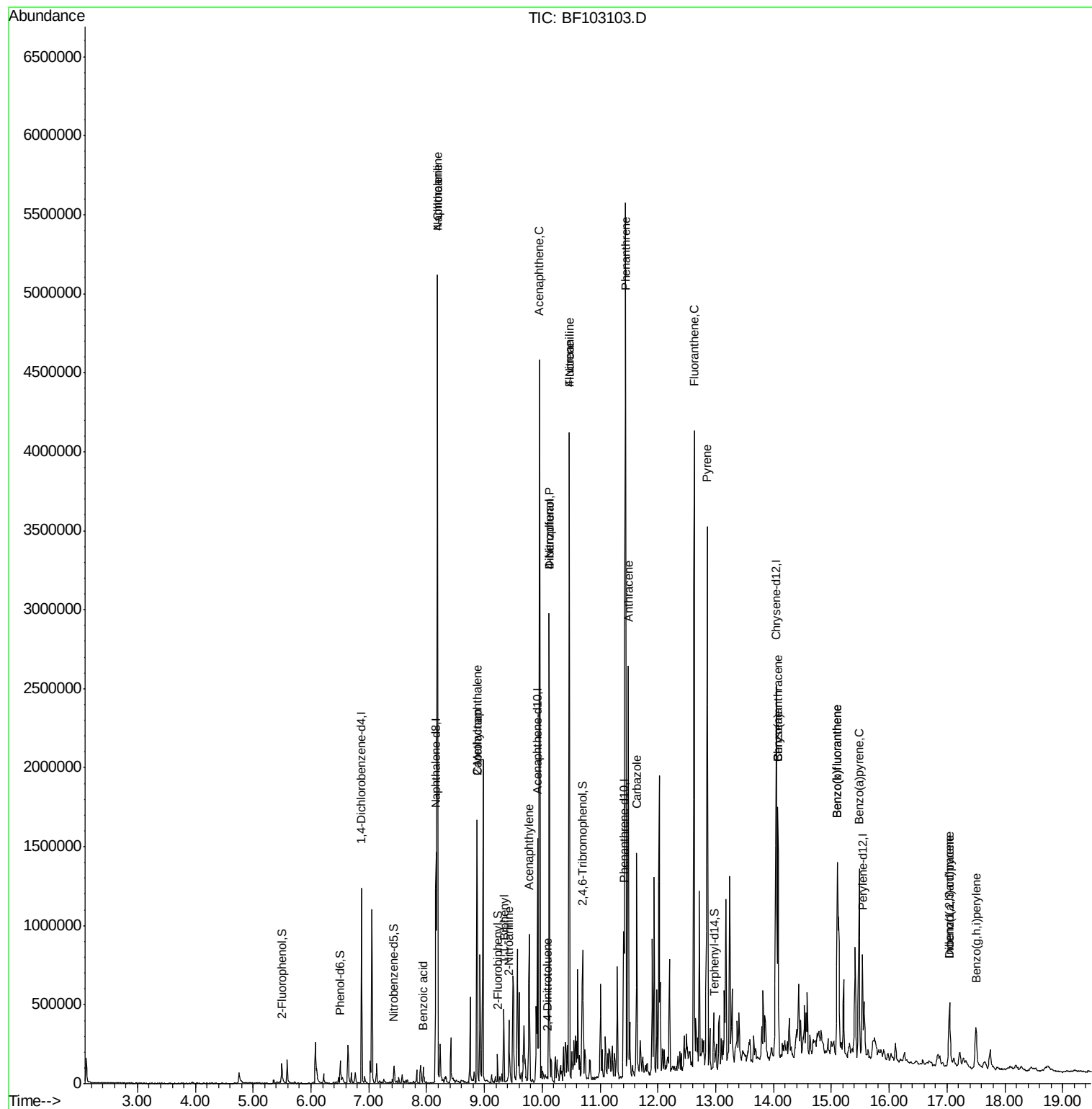
Target Compounds				Qvalue		
24) Nitrobenzene	7.48	77	300	Below Cal	#	1
31) Naphthalene	8.19	128	2481432	74.48	ng	98
32) Benzoic acid	7.95	122	1361	8.74	ng	# 34
33) 4-Chloroaniline	8.19	127	344504	24.00	ng	# 34
35) Caprolactam	8.87	113	10109	3.35	ng	# 1
37) 2-Methylnaphthalene	8.87	142	459819	21.08	ng	100
45) 1,1'-Biphenyl	9.33	154	136042	5.43	ng	98
47) 2-Nitroaniline	9.43	65	2987	3.93	ng	# 15
48) Acenaphthylene	9.77	152	297388	9.71	ng	98
51) Acenaphthene	9.96	154	1146120	62.60	ng	100
54) Dibenzofuran	10.12	168	1150321	44.58	ng	97
55) 4-Nitrophenol	10.12	139	451505	100.19	ng	# 10
56) 2,4-Dinitrotoluene	10.09	165	3126	3.57	ng	# 57
57) Fluorene	10.47	166	1224786	65.24	ng	99
61) 4-Nitroaniline	10.47	138	14107	2.73	ng	# 19
70) Phenanthrene	11.44	178	2913510	119.85	ng	99
71) Anthracene	11.49	178	894136	36.16	ng	99
72) Carbazole	11.64	167	572423	23.63	ng	100
74) Fluoranthene	12.63	202	1917394	78.39	ng	99
77) Pyrene	12.86	202	1501337	71.43	ng	100
80) Benzo(a)anthracene	14.07	228	573513	34.02	ng	94
82) Chrysene	14.07	228	573513	33.75	ng	98
85) Indeno(1,2,3-cd)pyrene	17.04	276	242693	17.22	ng	96
87) Benzo(b)fluoranthene	15.10	252	1068949	58.71	ng	# 94
88) Benzo(k)fluoranthene	15.10	252	1068949	61.45	ng	97
89) Benzo(a)pyrene	15.48	252	605384	36.94	ng	98
90) Dibenzo(a,h)anthracene	17.05	278	69406	5.22	ng	93
91) Benzo(g,h,i)perylene	17.50	276	205212	15.76	ng	98

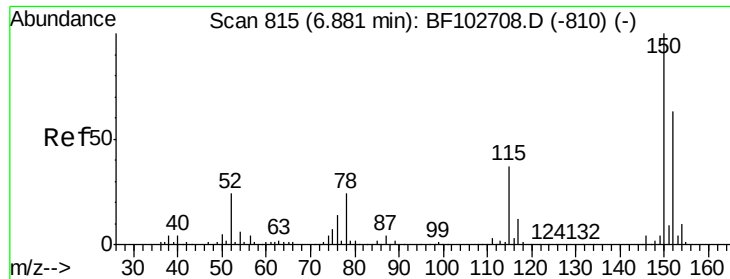
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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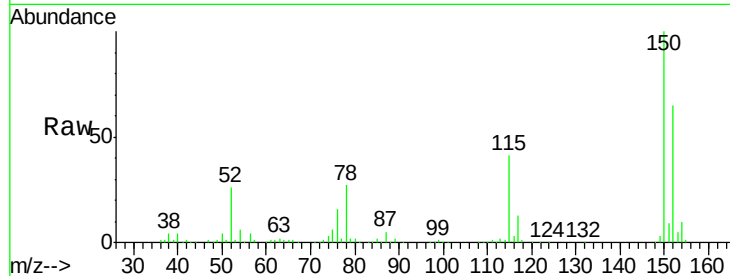


#1

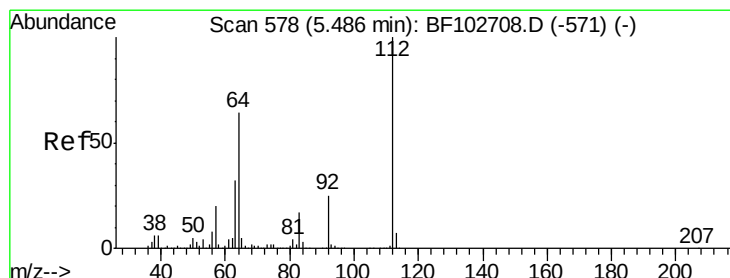
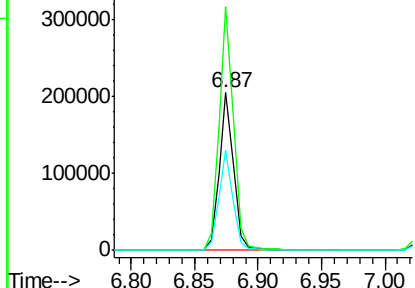
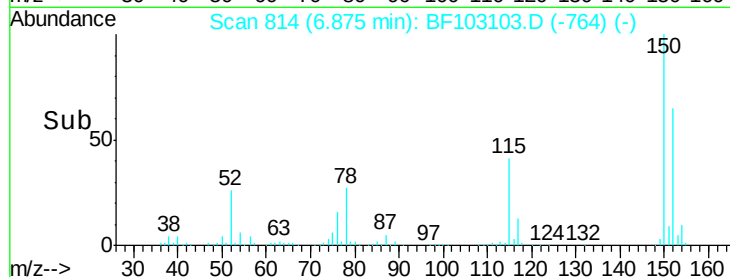
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164083
Ion Ratio Lower Upper
152 100
150 154.8 124.6 186.8
115 63.8 50.1 75.1



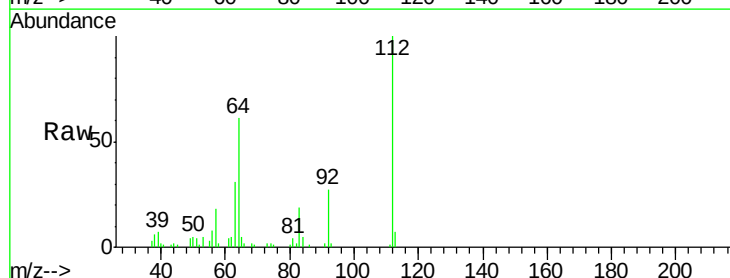
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



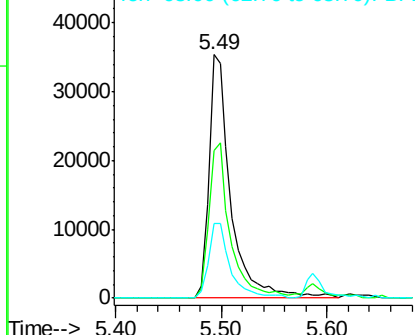
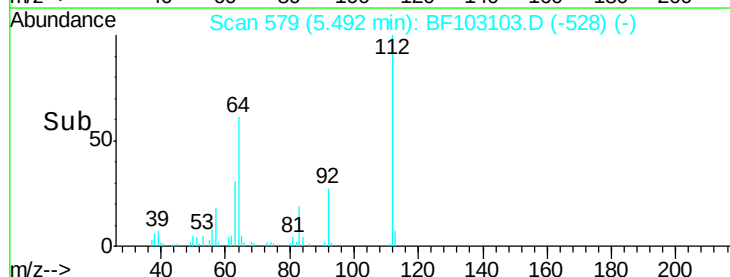
#5

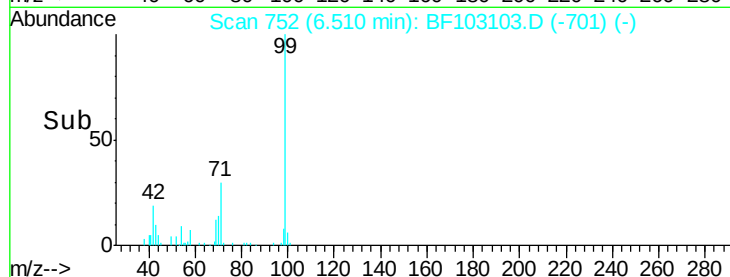
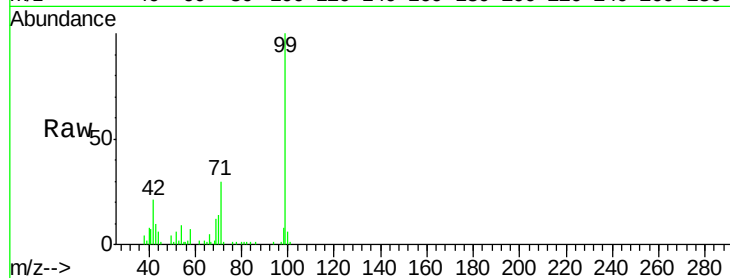
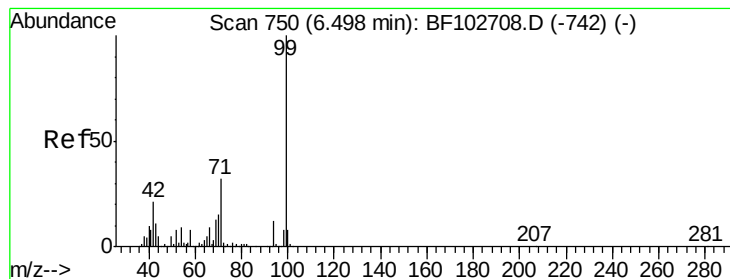
2-Fluorophenol
Concen: 4.72 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Tgt Ion:112 Resp: 51035
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 30.8 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: 5.15 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.00 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

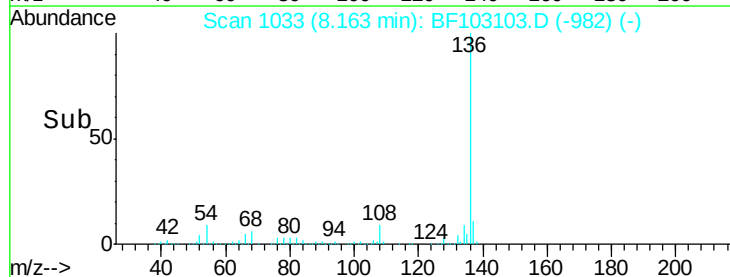
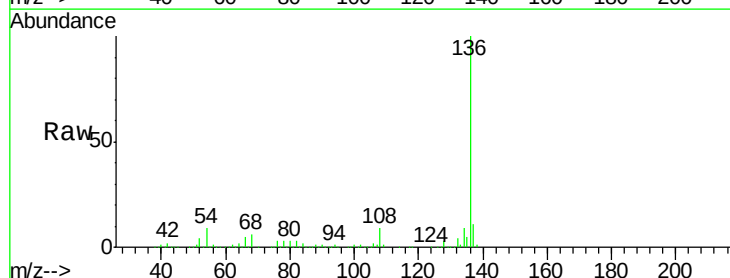
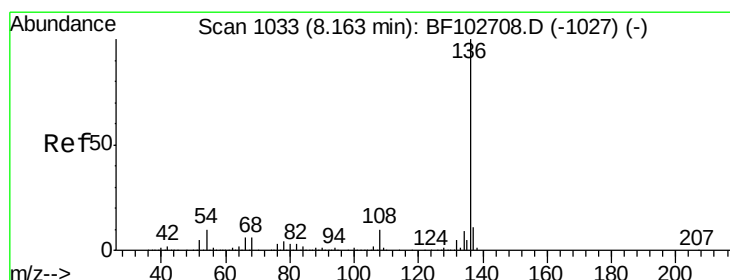
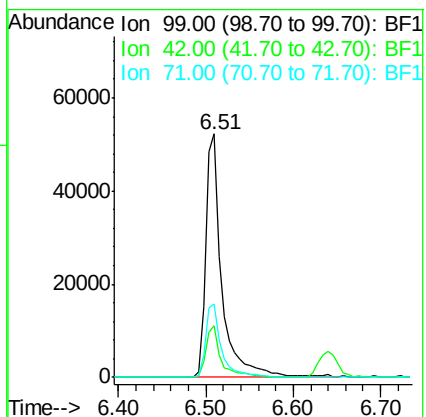
Tot Ion: 99 Resp: 67051

Ion Ratio Lower Upper

99 100

42 21.0 14.5 21.7

71 30.2 25.4 38.0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Tgt Ion: 136 Resp: 681903

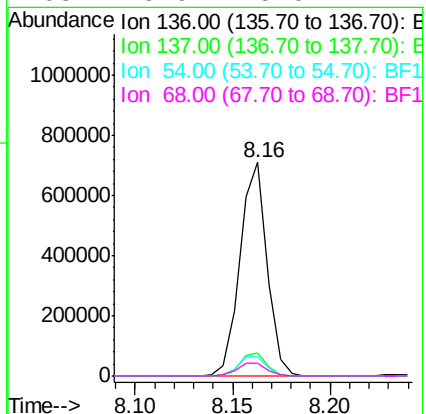
Ion Ratio Lower Upper

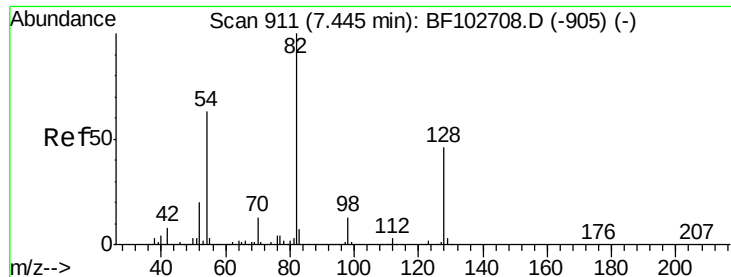
136 100

137 11.0 8.9 13.3

54 8.8 6.6 9.8

68 5.9 5.0 7.4

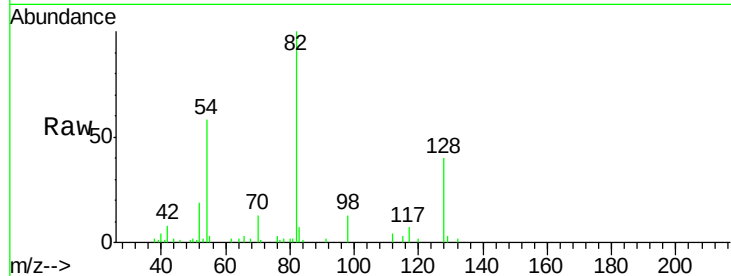




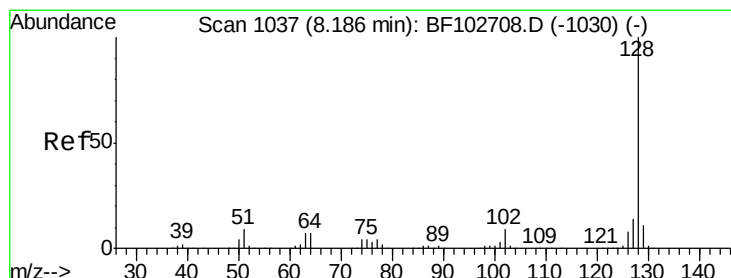
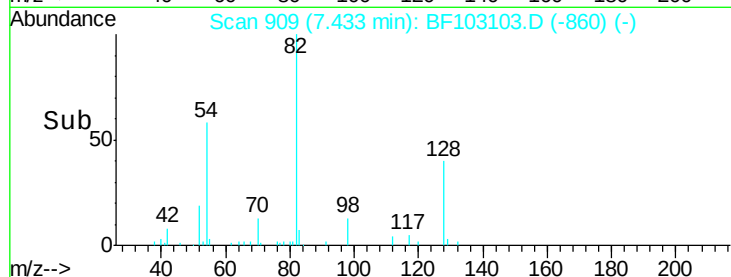
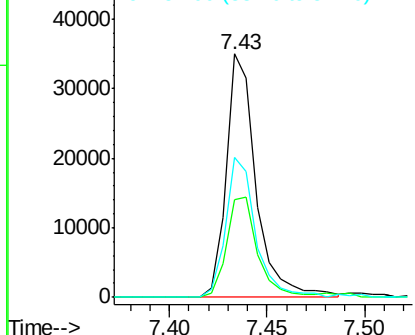
#23
Nitrobenzene-d5
Concen: 3.77 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 37058
Ion Ratio Lower Upper
82 100
128 40.0 36.1 54.1
54 57.5 41.4 62.2

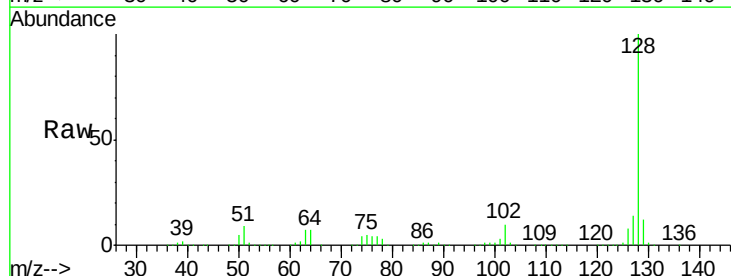


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

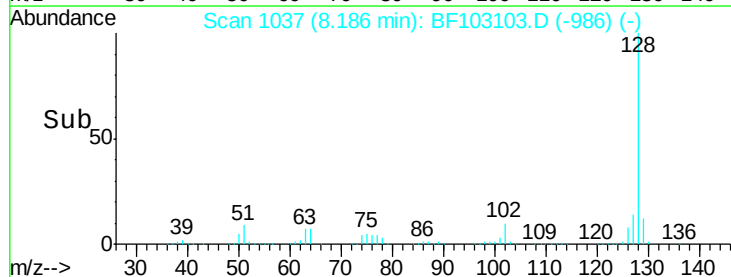
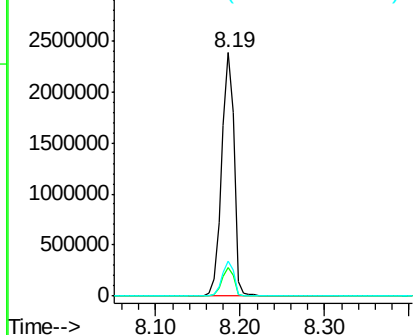


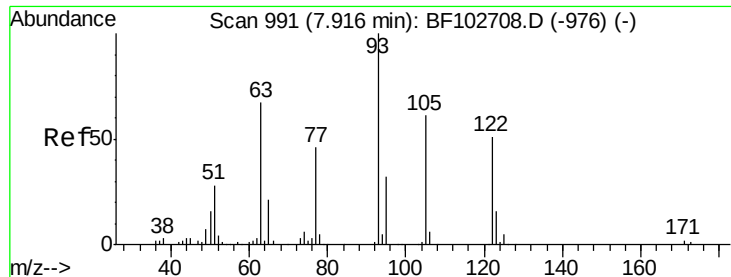
#31
Naphthalene
Concen: 74.48 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.00 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Tgt Ion: 128 Resp: 2481432
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.2 10.9 16.3



Abundance Ion 128.00 (127.70 to 128.70): BF1
Ion 129.00 (128.70 to 129.70): BF1
Ion 127.00 (126.70 to 127.70): BF1





#32

Benzoic acid

Concen: 8.74 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

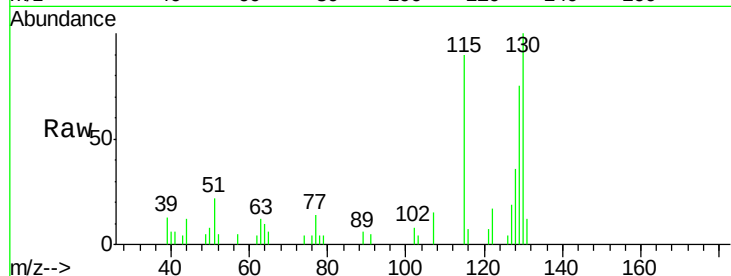
Tot Ion:122 Resp: 1361

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

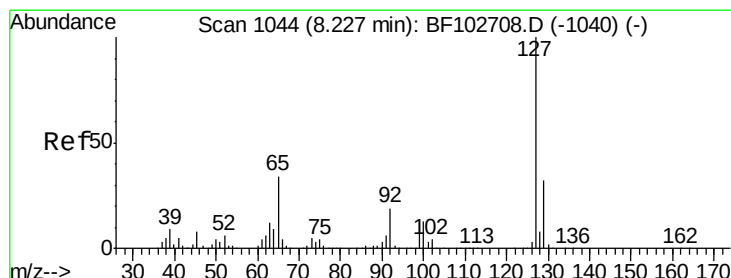
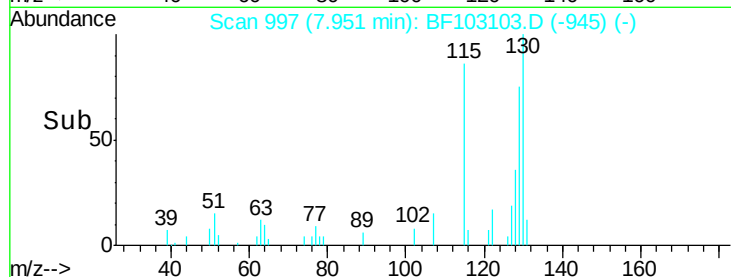
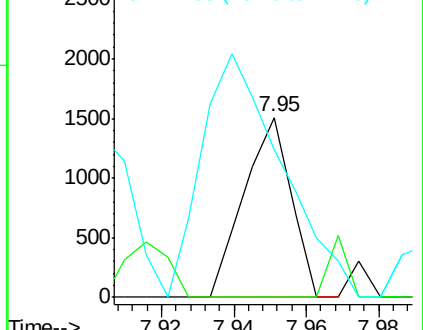
77 82.2 70.7 110.7



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



#33

4-Chloroaniline

Concen: 24.00 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Tgt Ion:127 Resp: 344504

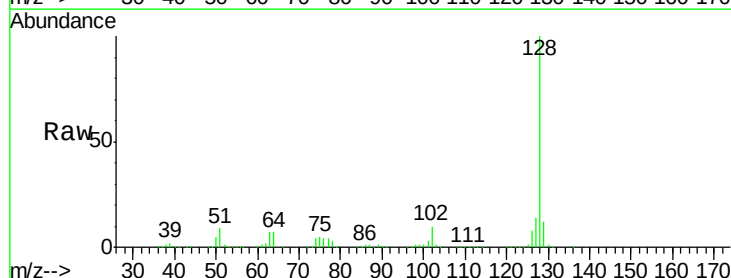
Ion Ratio Lower Upper

127 100

129 82.3 25.9 38.9#

65 0.0 25.0 37.4#

92 0.0 15.2 22.8#

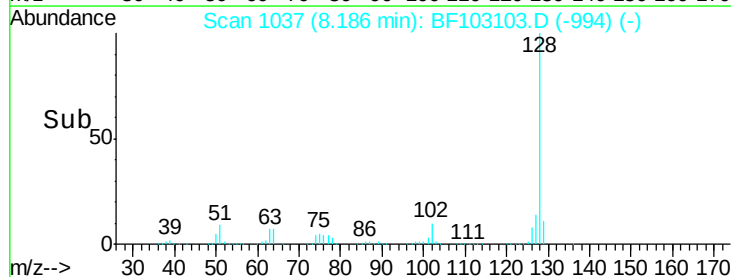
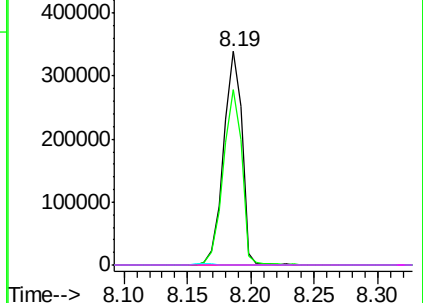


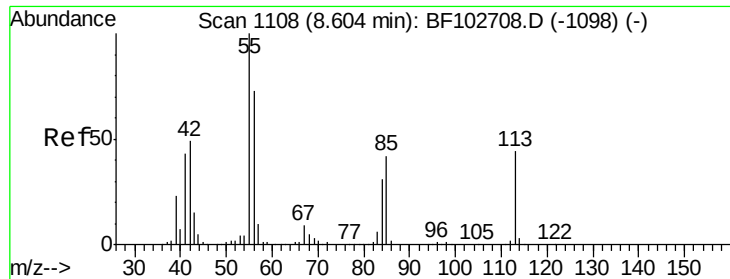
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

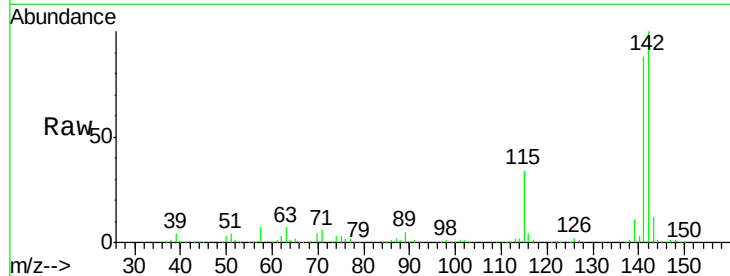




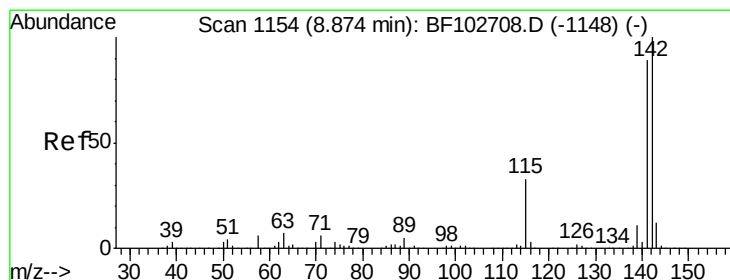
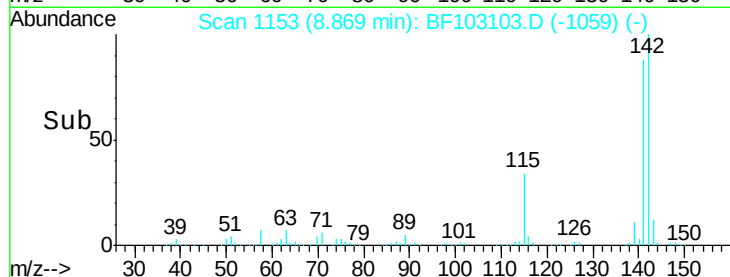
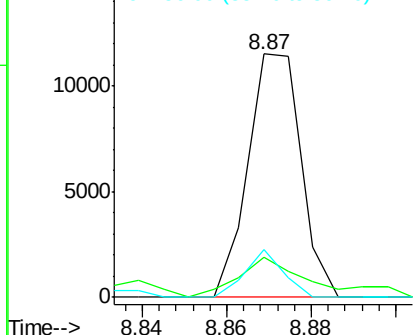
#35
Caprolactam
Concen: 3.35 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.25 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:113 Resp: 10109
Ion Ratio Lower Upper
113 100
55 16.3 163.3 203.3#
56 19.4 115.7 155.7#

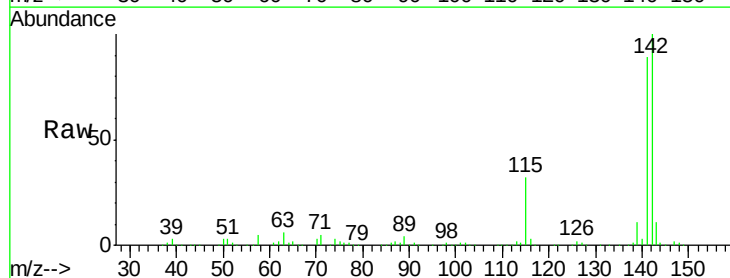


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

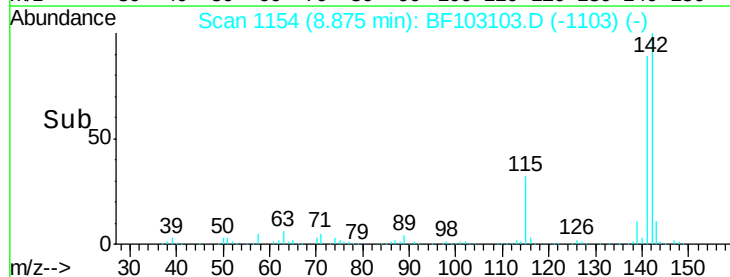
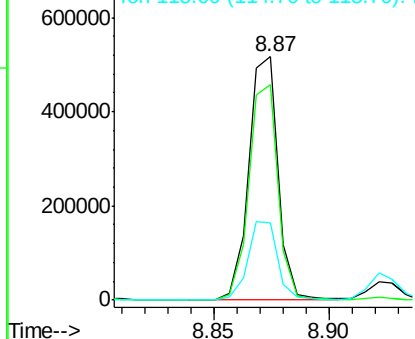


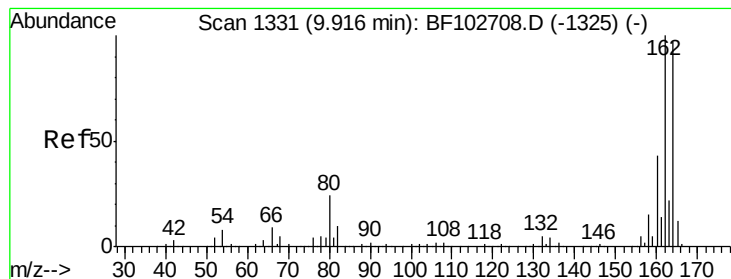
#37
2-Methylnaphthalene
Concen: 21.08 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Tgt Ion:142 Resp: 459819
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2
115 31.9 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: 20.00 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

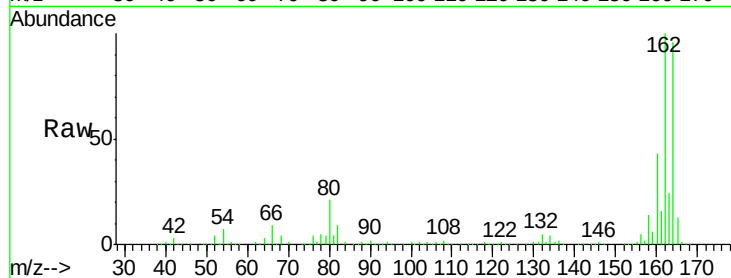
Tot Ion:164 Resp: 297262

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

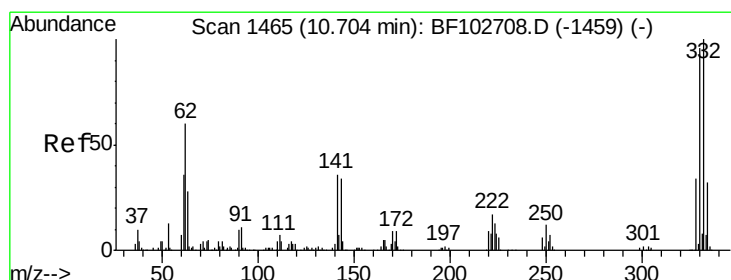
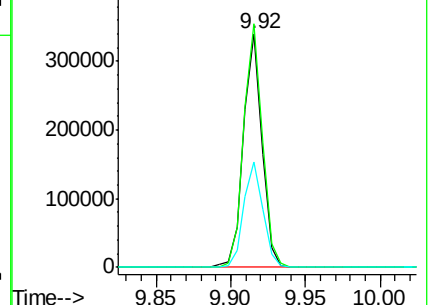
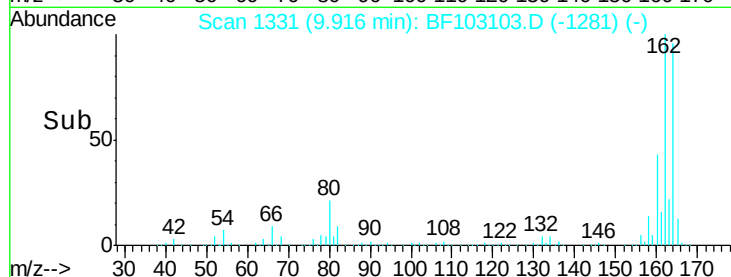
160 45.3 38.3 57.5



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: 3.68 ng

RT: 10.70 min Scan# 1465

Delta R.T. -0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

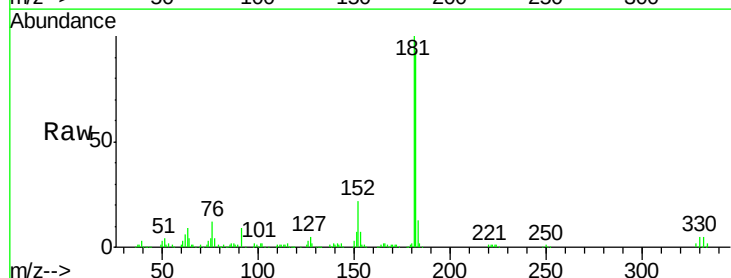
Tgt Ion:330 Resp: 8794

Ion Ratio Lower Upper

330 100

332 105.8 77.0 115.6

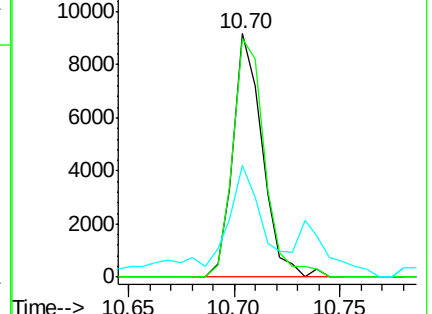
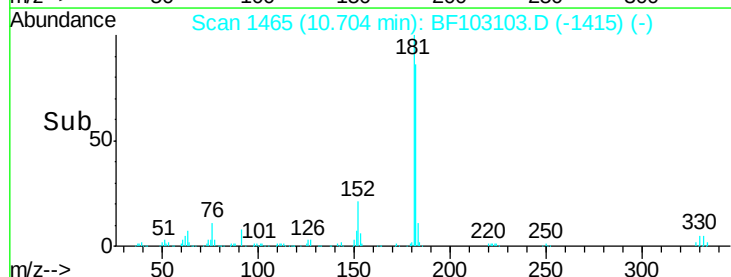
141 69.8 29.9 44.9#

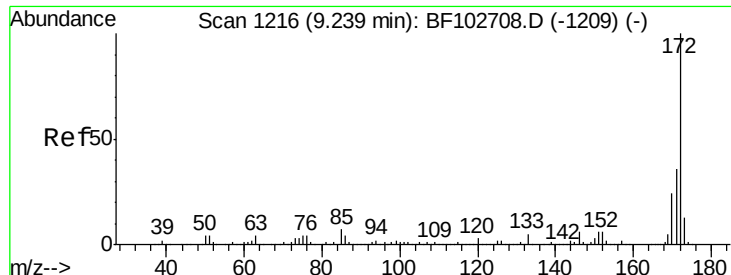


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

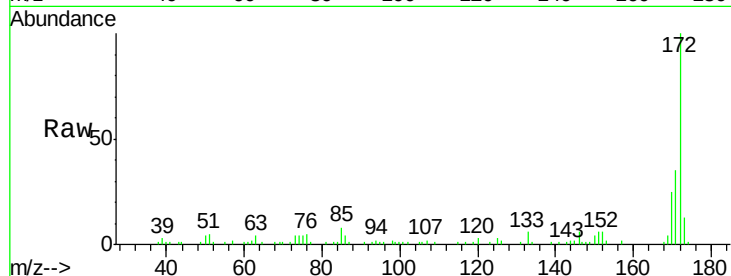




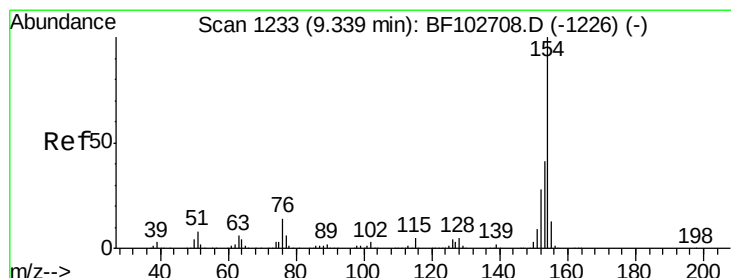
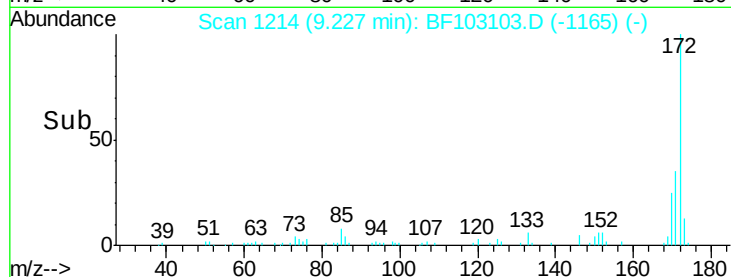
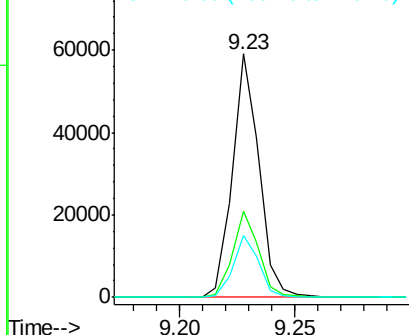
#44
2-Fluorobiphenyl
Concen: 2.64 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 47211
Ion Ratio Lower Upper
172 100
171 35.5 29.7 44.5
170 25.4 19.6 29.4

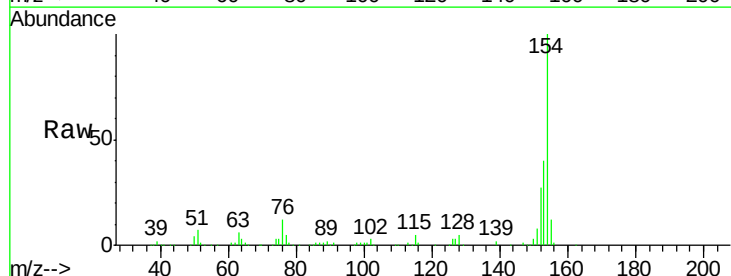


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

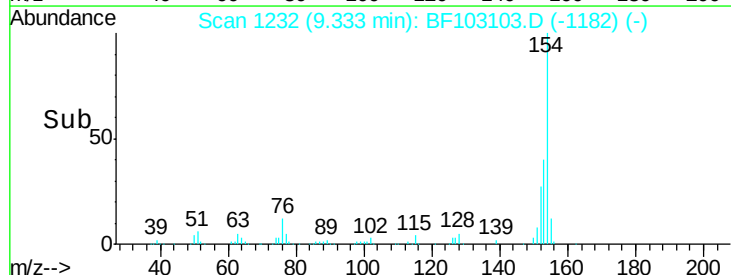
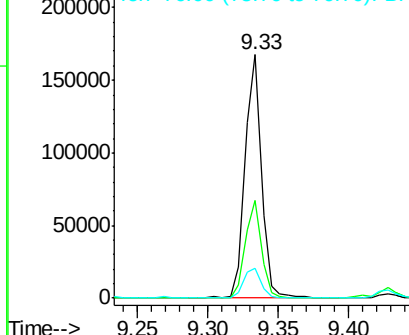


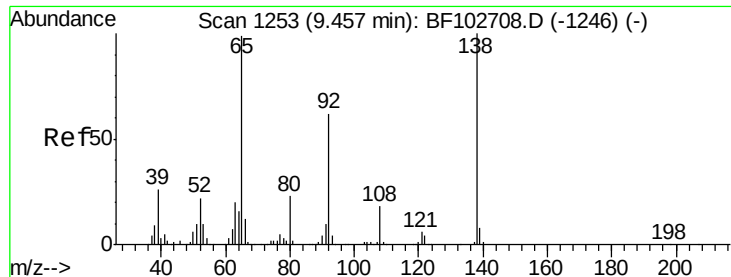
#45
1,1'-Biphenyl
Concen: 5.43 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Tgt Ion:154 Resp: 136042
Ion Ratio Lower Upper
154 100
153 40.4 21.3 61.3
76 12.2 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

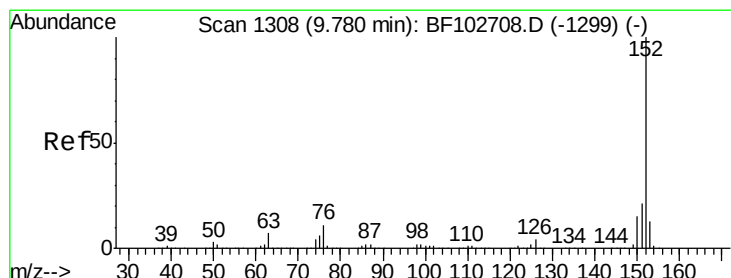
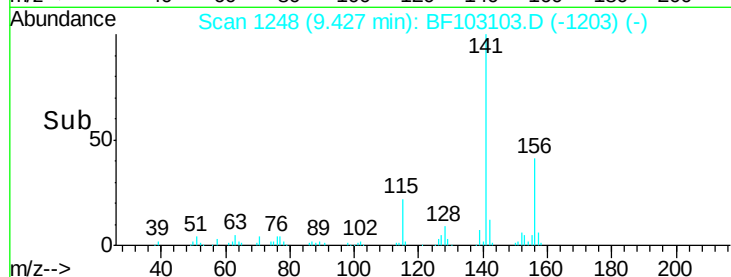
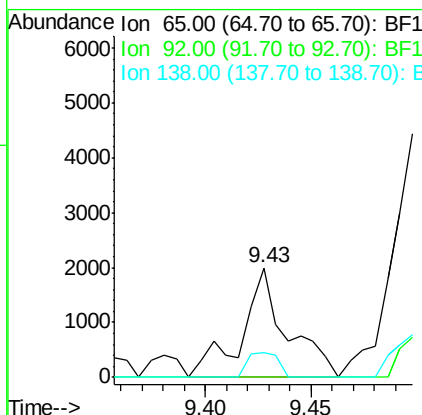
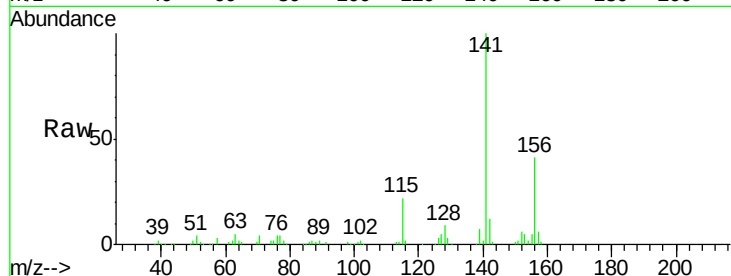




#47
2-Nitroaniline
Concen: 3.93 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.04 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

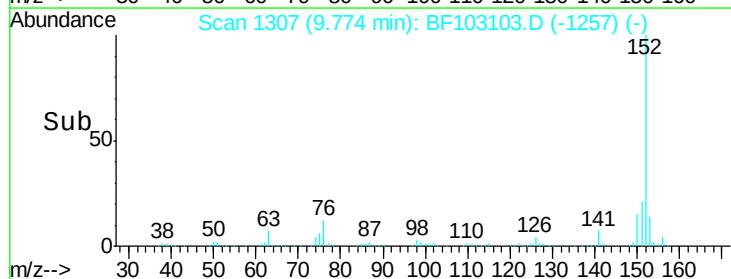
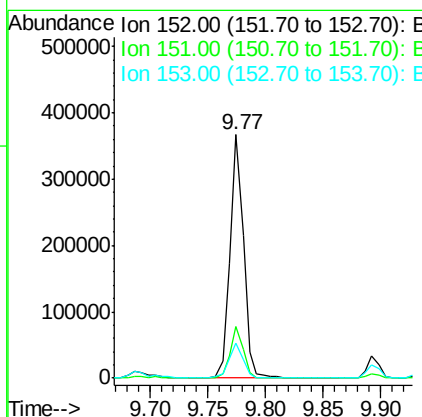
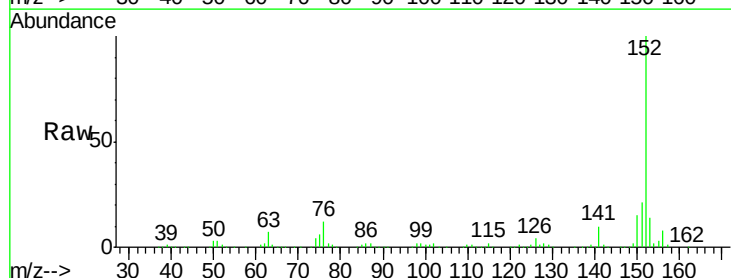
Instrument :
BNA_F
ClientSampled :

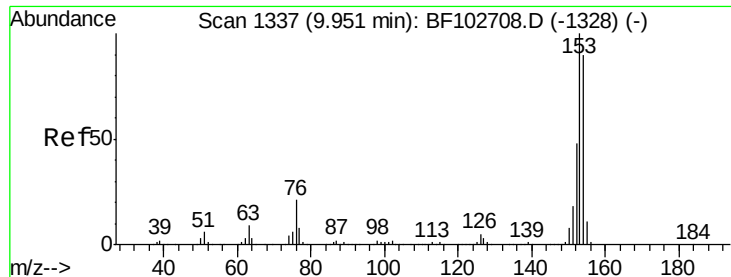
Tot Ion	Ratio	Lower	Upper
65	100		
92	0.0	55.8	83.6#
138	22.7	91.2	136.8#



#48
Acenaphthylene
Concen: 9.71 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	14.4	10.7	16.1





#51

Acenaphthene

Concen: 62.60 ng

RT: 9.96 min Scan# 1338

Delta R.T. -0.00 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

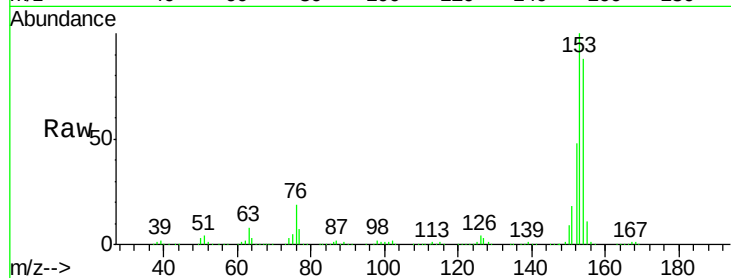
Tot Ion:154 Resp: 1146120

Ion Ratio Lower Upper

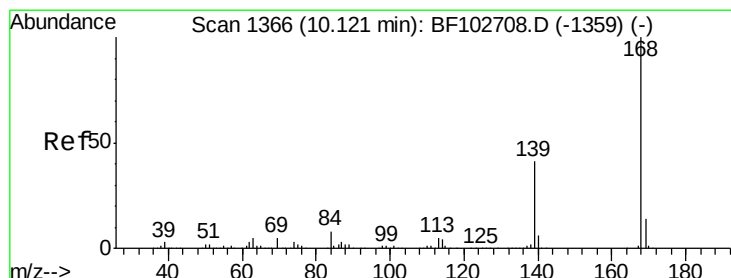
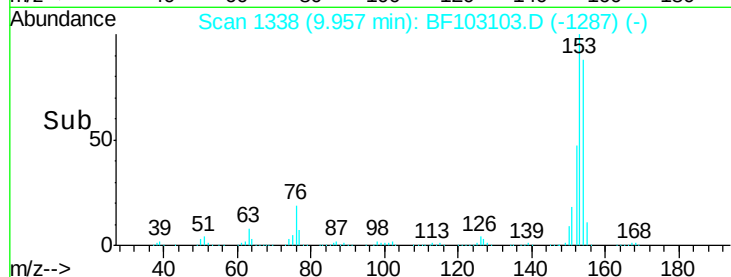
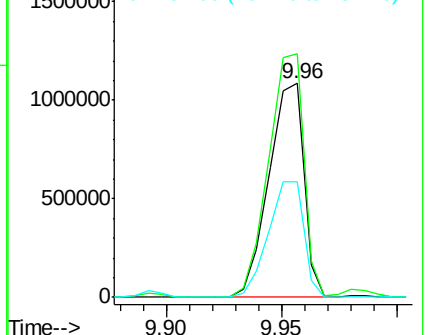
154 100

153 113.8 91.2 136.8

152 54.1 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



#54

Dibenzofuran

Concen: 44.58 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

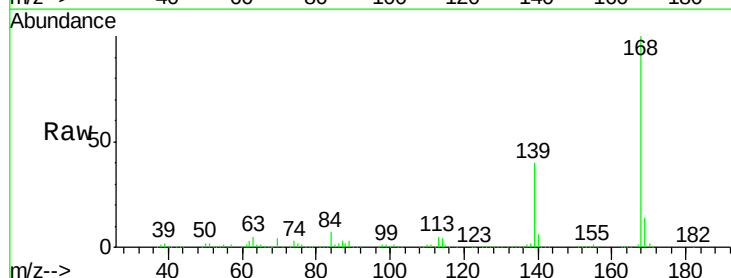
Tgt Ion:168 Resp: 1150321

Ion Ratio Lower Upper

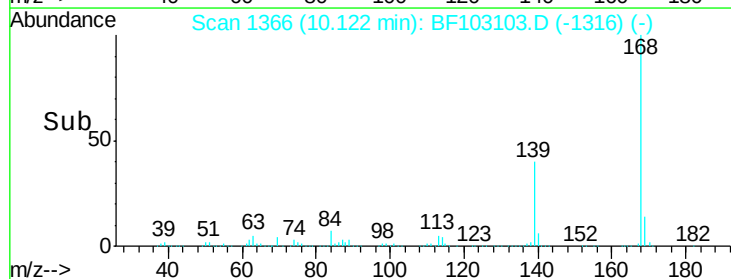
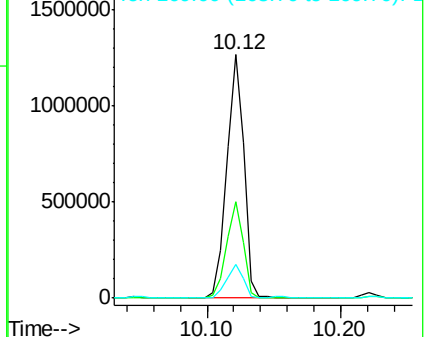
168 100

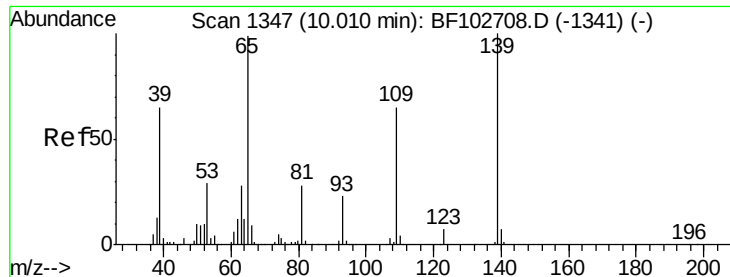
139 39.6 30.1 45.1

169 13.7 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

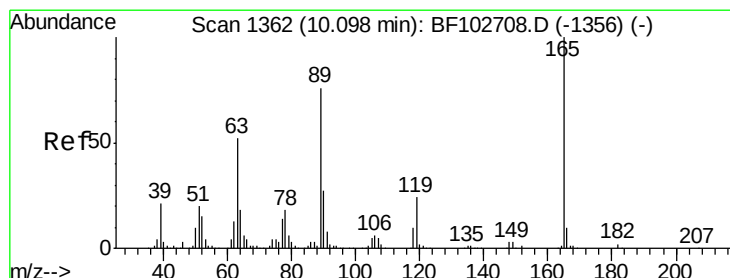
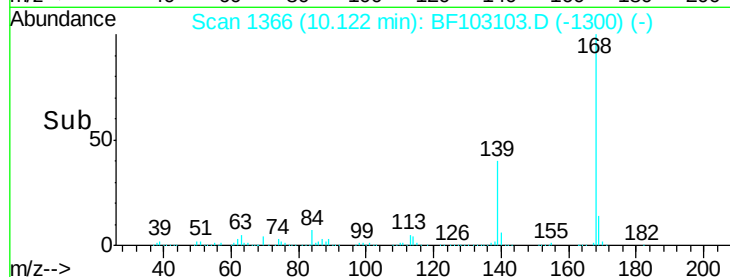
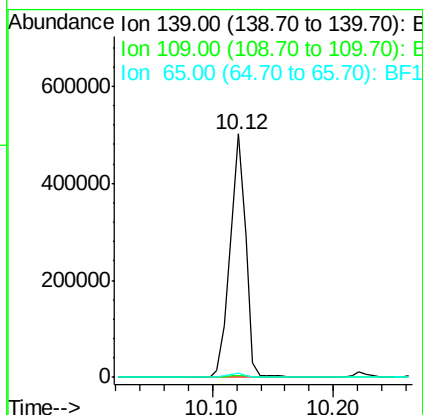
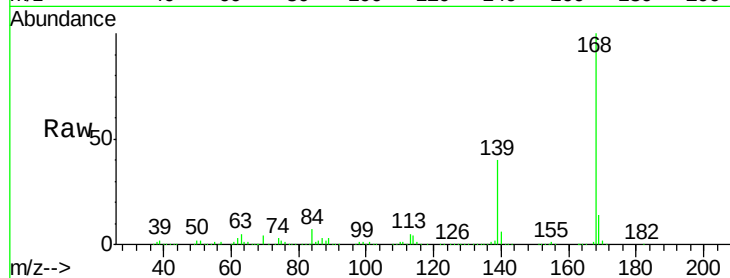




#55
4-Nitrophenol
Concen: 100.19 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.09 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

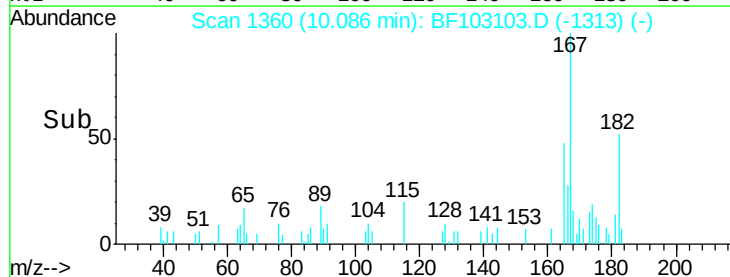
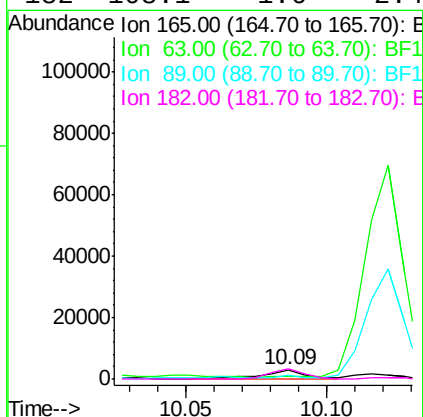
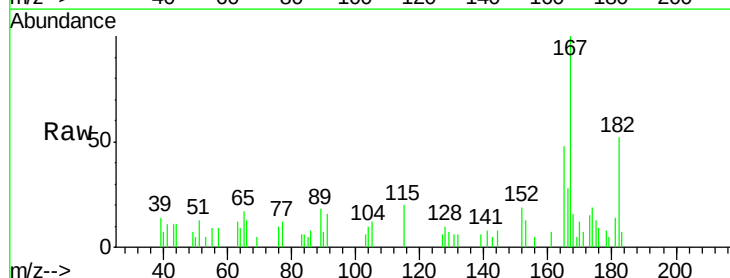
Instrument :
BNA_F
ClientSampleId :

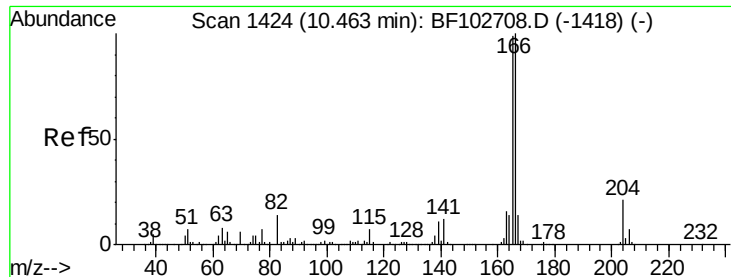
Tot Ion:139 Resp: 451505
Ion Ratio Lower Upper
139 100
109 0.8 48.4 88.4#
65 1.8 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 3.57 ng
RT: 10.09 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Tgt Ion:165 Resp: 3126
Ion Ratio Lower Upper
165 100
63 25.0 36.4 54.6#
89 36.7 57.8 86.6#
182 108.1 1.6 2.4#

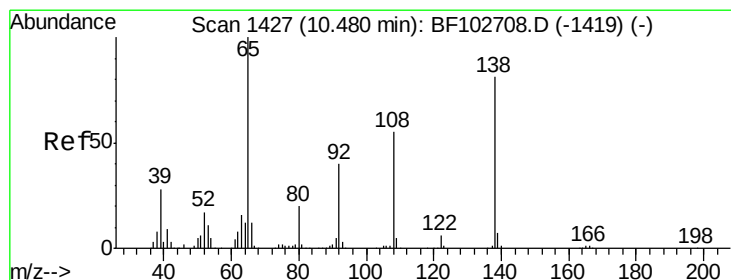
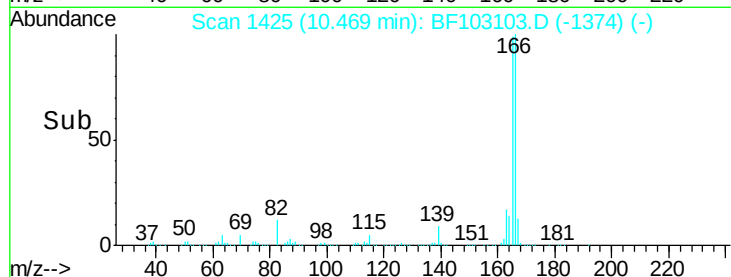
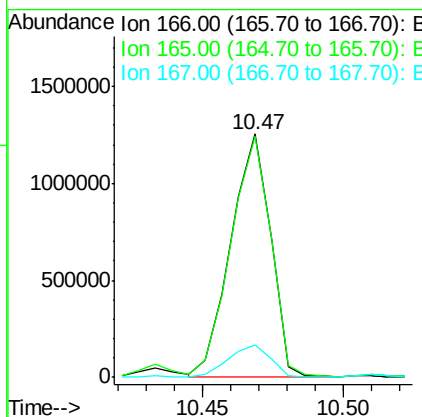
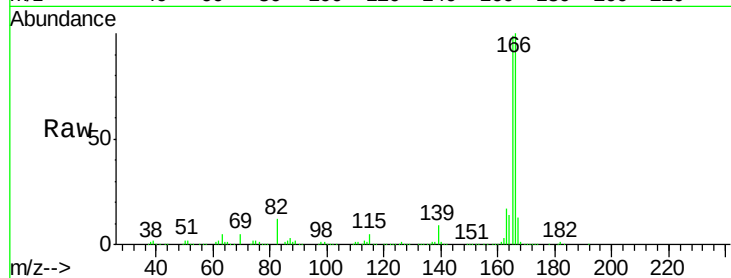




#57
 Fluorene
 Concen: 65.24 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.00 min
 Lab File: BF103103.D
 Acq: 20 Feb 2018 1:22

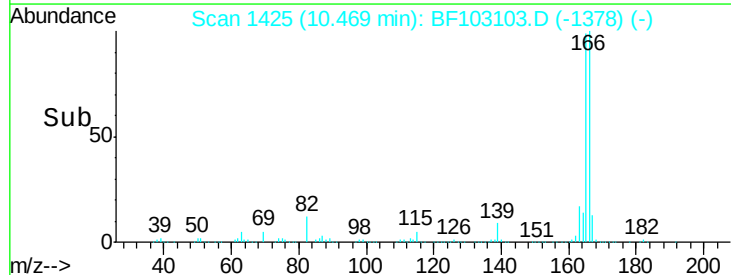
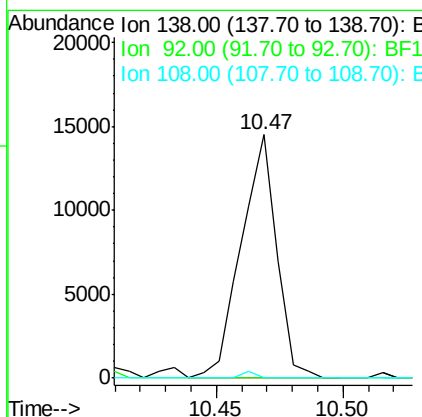
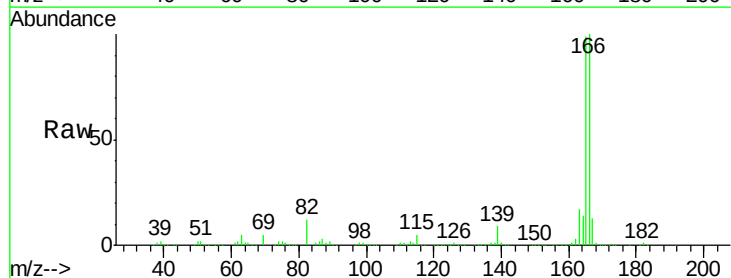
Instrument :
 BNA_F
 ClientSampleId :

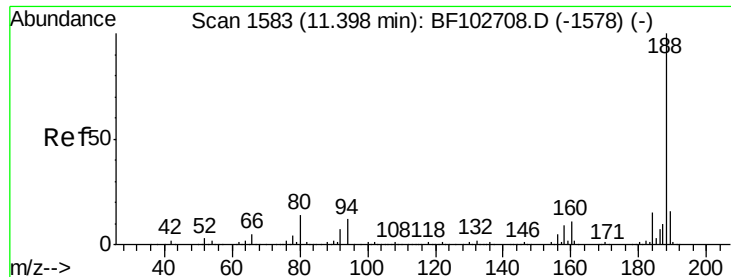
Tot Ion:166 Resp: 1224786
 Ion Ratio Lower Upper
 166 100
 165 99.0 79.8 119.8
 167 13.4 10.6 16.0



#61
 4-Nitroaniline
 Concen: 2.73 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.02 min
 Lab File: BF103103.D
 Acq: 20 Feb 2018 1:22

Tgt Ion:138 Resp: 14107
 Ion Ratio Lower Upper
 138 100
 92 0.0 30.2 70.2#
 108 0.0 52.5 92.5#

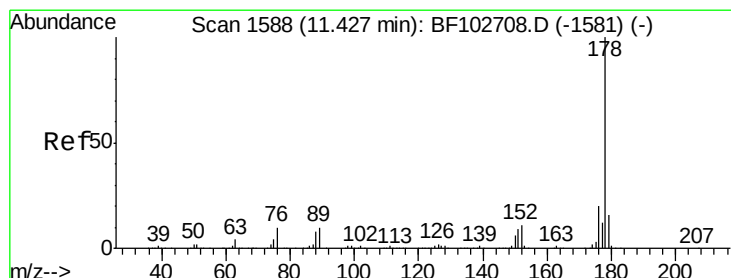
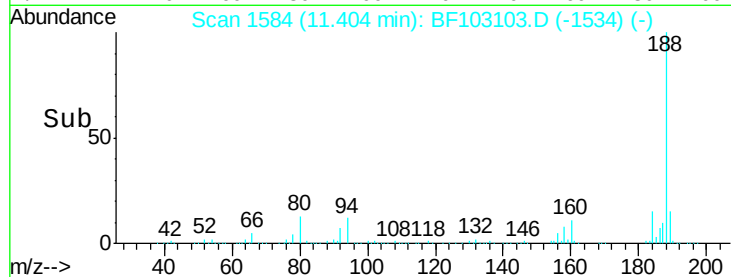
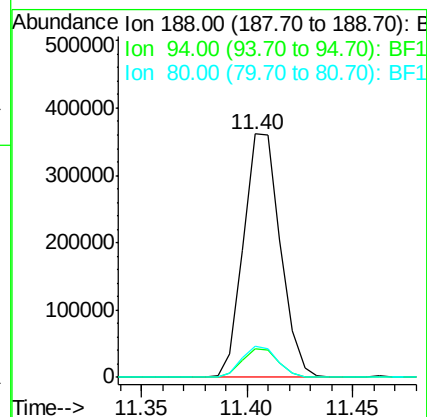
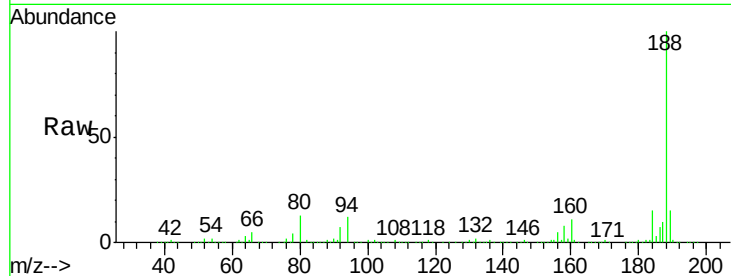




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: BF103103.D
 Acq: 20 Feb 2018 1:22

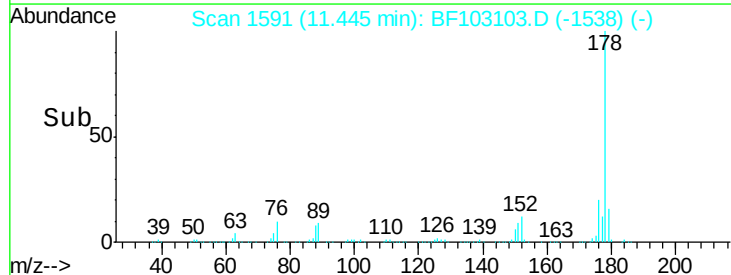
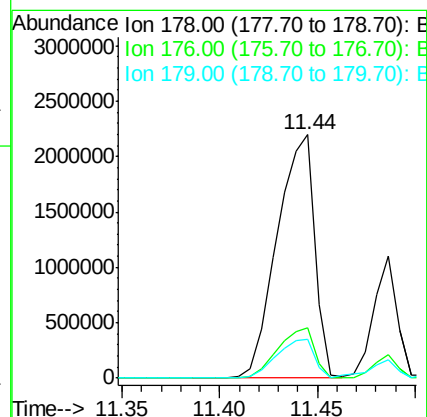
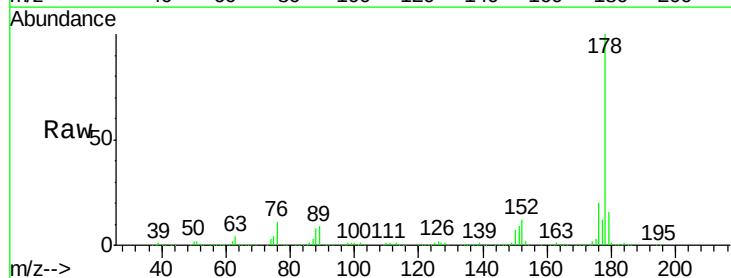
Instrument :
 BNA_F
 ClientSampled :

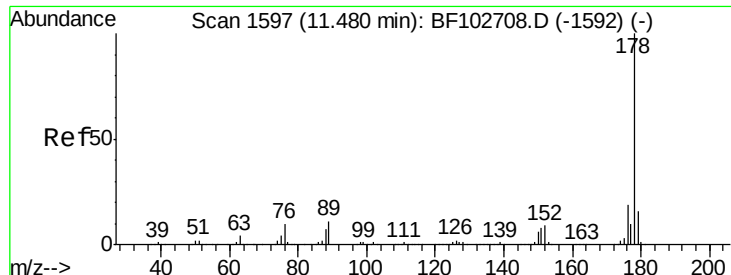
Tot Ion:188 Resp: 436506
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.5 12.7
 80 12.8 9.2 13.8



#70
 Phenanthrene
 Concen: 119.85 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: BF103103.D
 Acq: 20 Feb 2018 1:22

Tgt Ion:178 Resp: 2913510
 Ion Ratio Lower Upper
 178 100
 176 20.4 15.8 23.8
 179 16.1 13.0 19.6





#71

Anthracene

Concen: 36.16 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

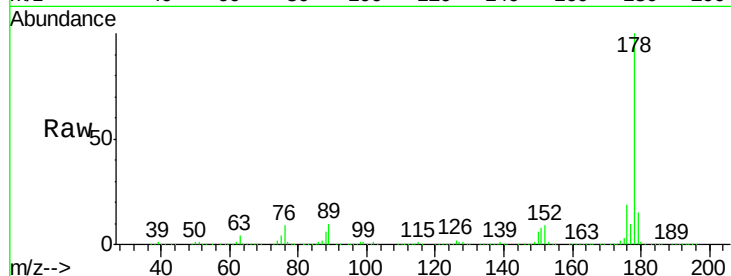
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 894136

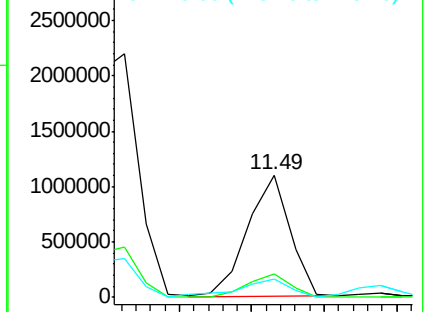
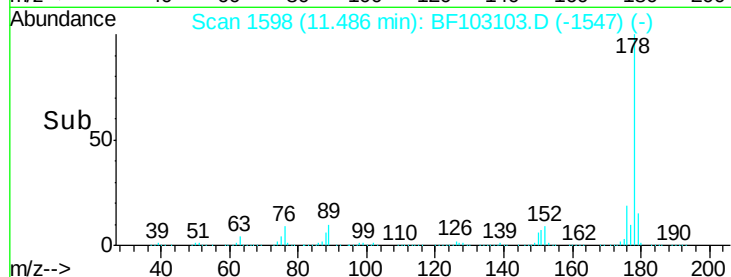
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	15.4	12.6	19.0



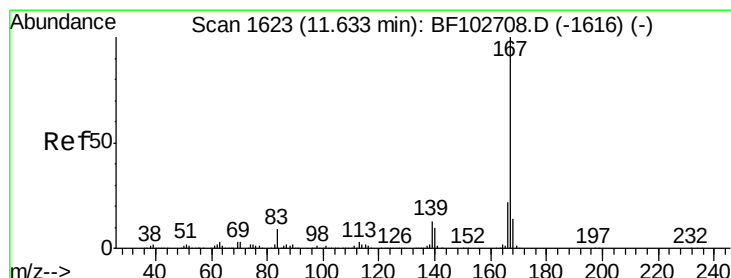
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Carbazole

Concen: 23.63 ng

RT: 11.64 min Scan# 1624

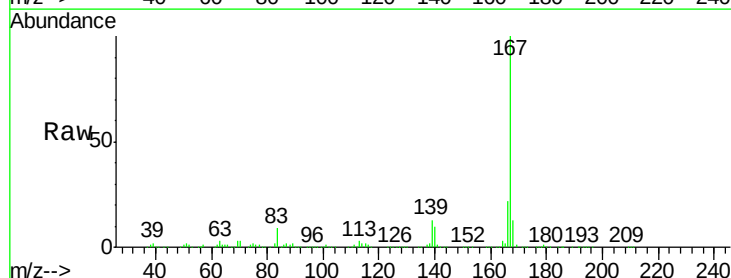
Delta R.T. -0.00 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Tgt Ion:167 Resp: 572423

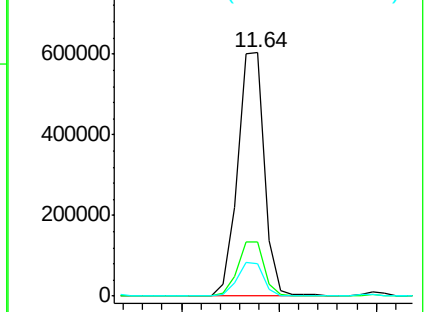
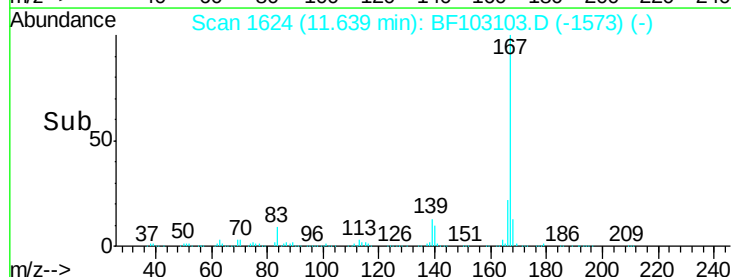
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	13.2	10.9	16.3



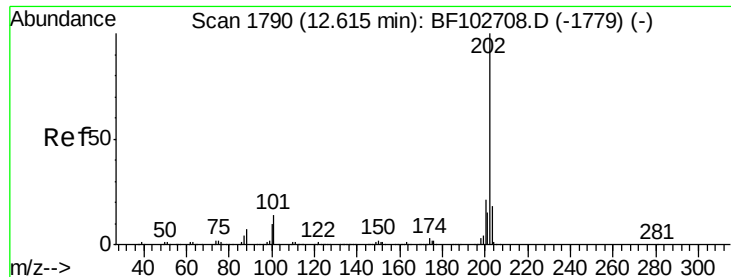
Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time-->



#74

Fluoranthene

Concen: 78.39 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

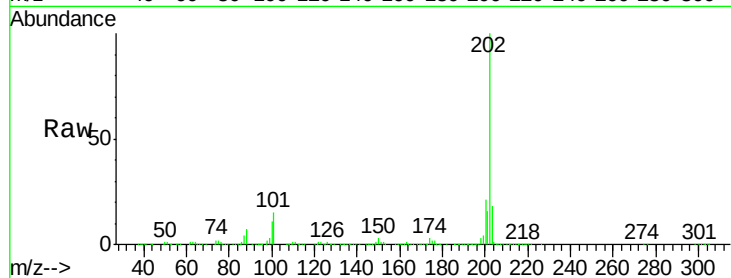
Tot Ion:202 Resp: 1917394

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.1

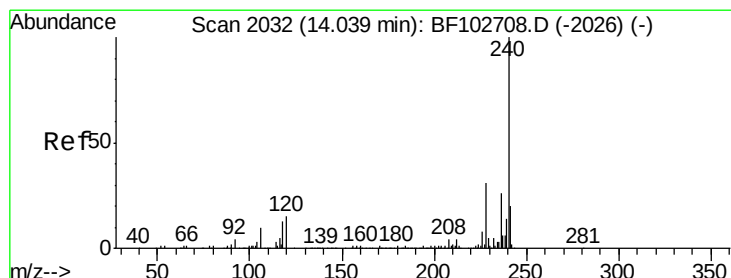
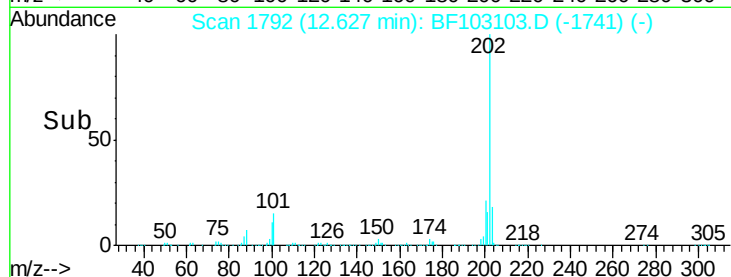
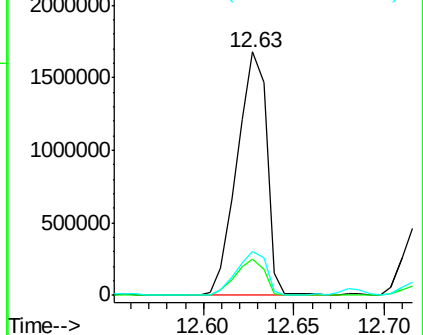
203 17.9 0.0 38.1



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: 20.00 ng

RT: 14.05 min Scan# 2034

Delta R.T. -0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

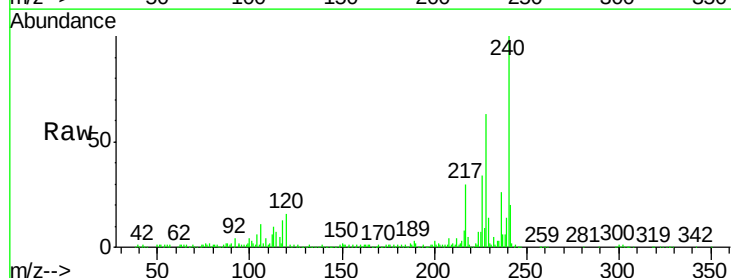
Tgt Ion:240 Resp: 268055

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

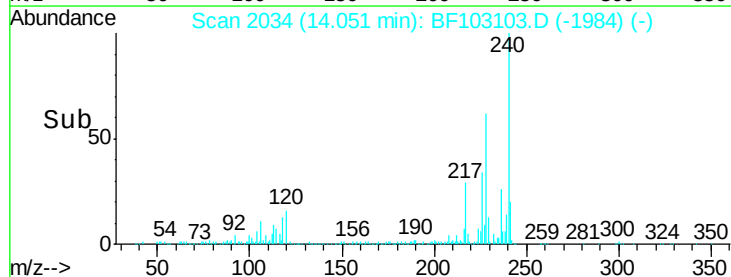
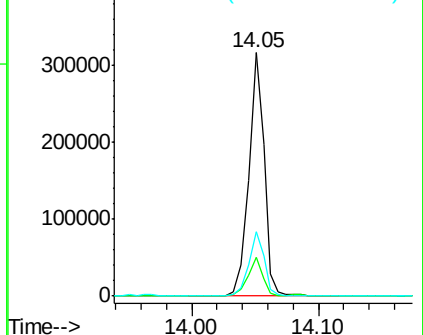
236 26.3 20.7 31.1

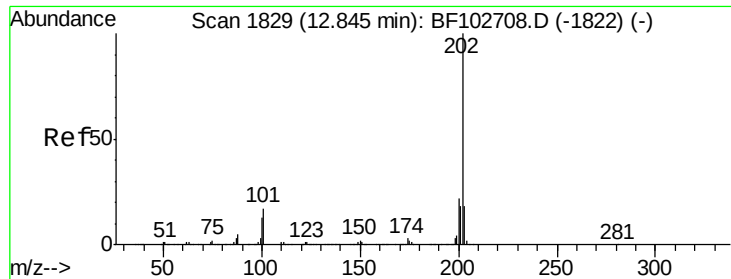


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 71.43 ng

RT: 12.86 min Scan# 1831

Delta R.T. -0.00 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

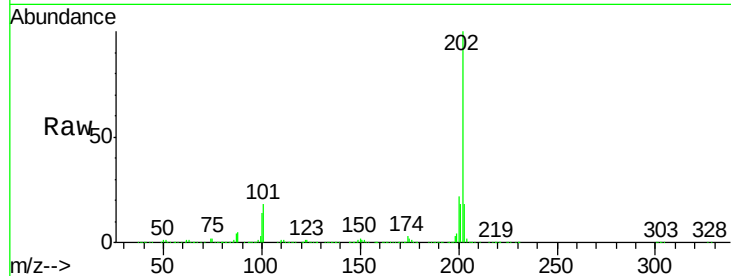
Tot Ion:202 Resp: 1501337

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

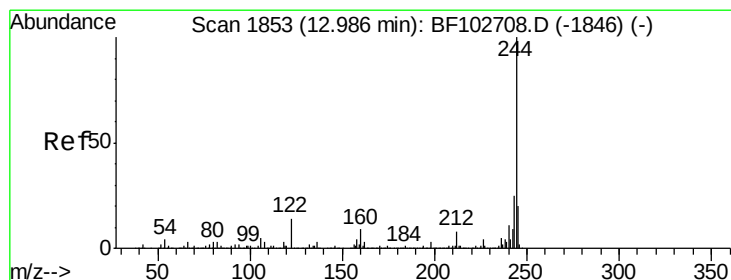
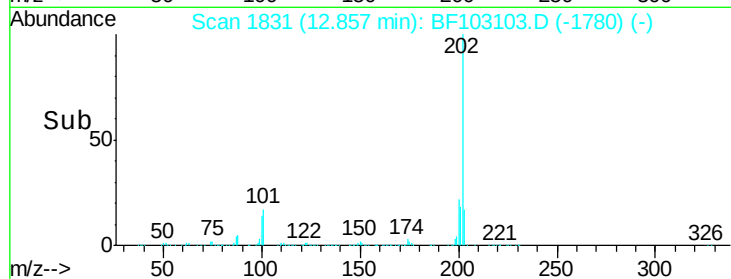
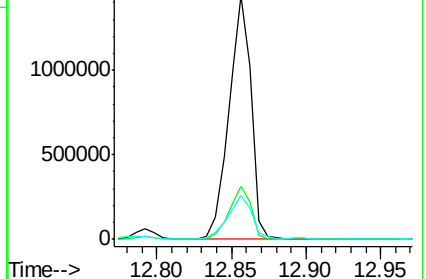
203 17.9 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 2.59 ng

RT: 12.98 min Scan# 1852

Delta R.T. -0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

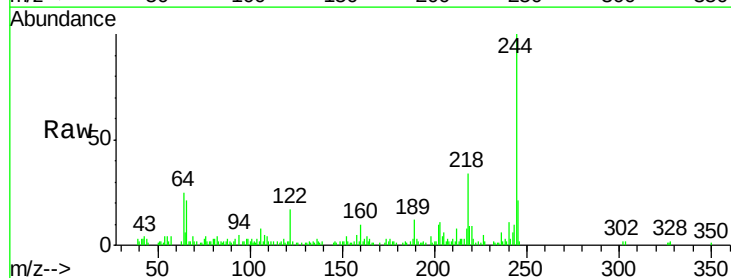
Tgt Ion:244 Resp: 29360

Ion Ratio Lower Upper

244 100

212 8.3 5.4 8.0#

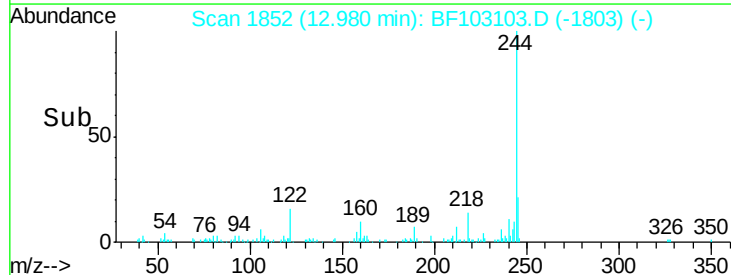
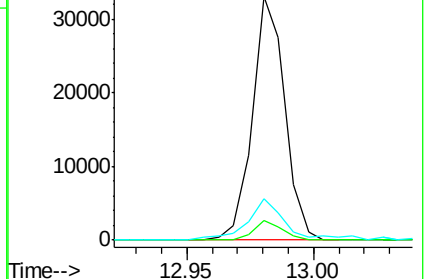
122 17.2 11.0 16.4#

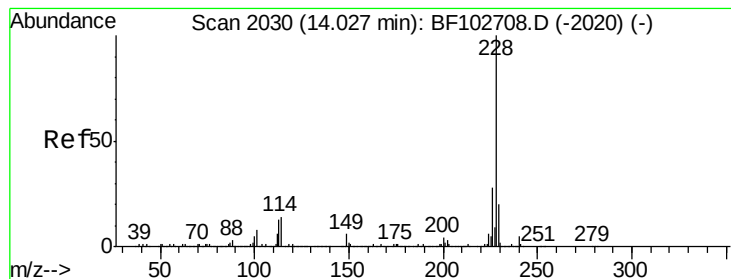


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 34.02 ng

RT: 14.07 min Scan# 2038

Delta R.T. 0.03 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

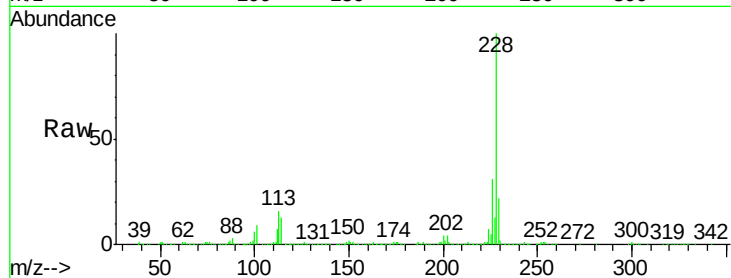
Tot Ion:228 Resp: 573513

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

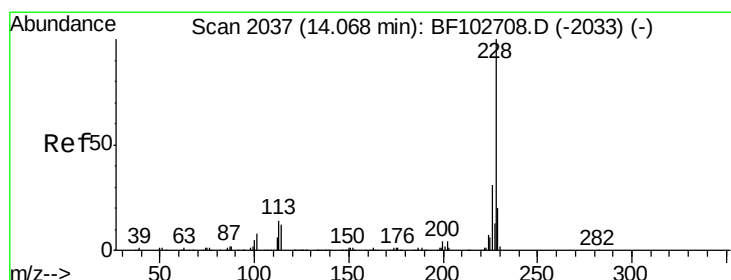
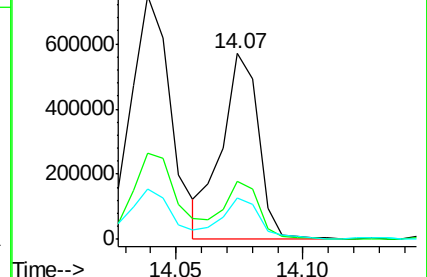
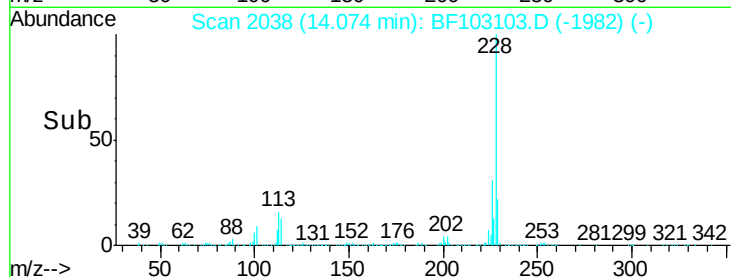
229 22.5 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 33.75 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

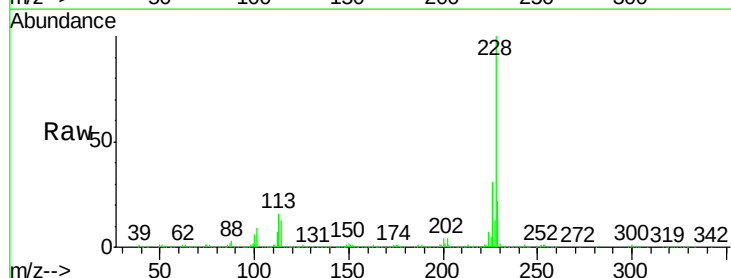
Tgt Ion:228 Resp: 573513

Ion Ratio Lower Upper

228 100

226 31.1 25.0 37.6

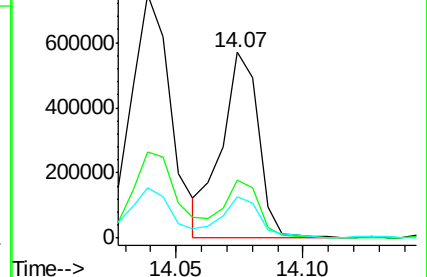
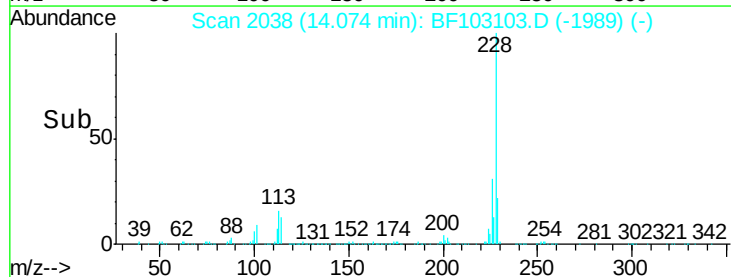
229 22.5 16.2 24.4

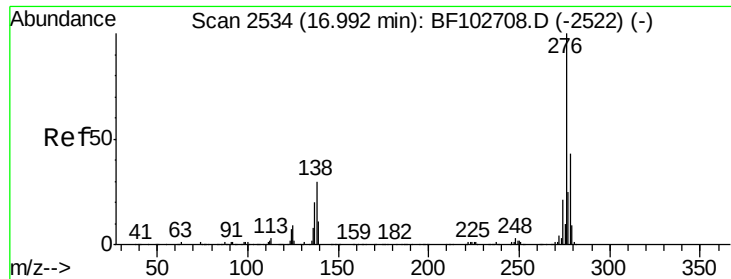


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

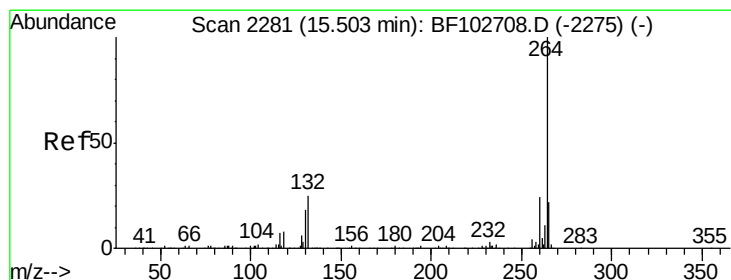
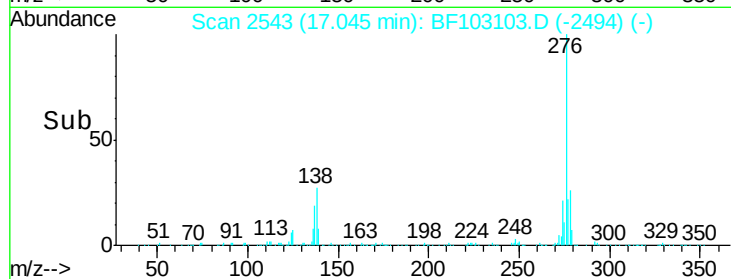
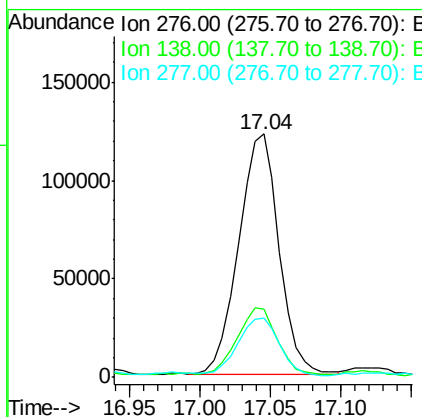
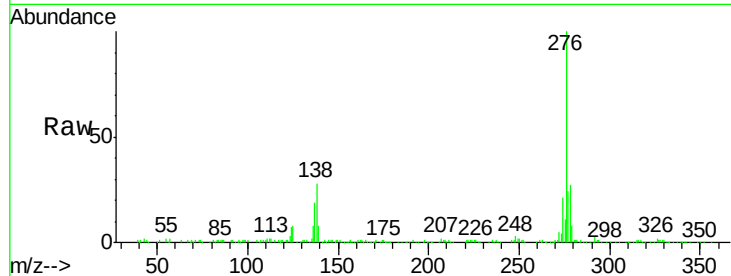




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 17.22 ng
 RT: 17.04 min Scan# 2543
 Delta R.T. -0.01 min
 Lab File: BF103103.D
 Acq: 20 Feb 2018 1:22

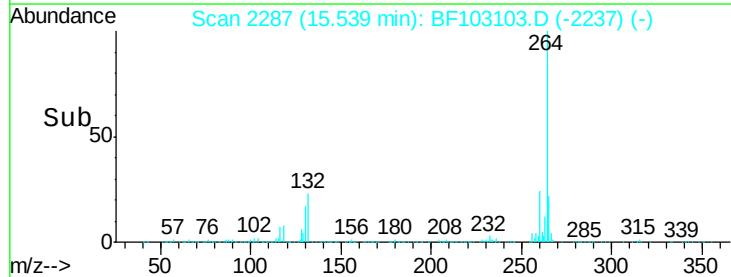
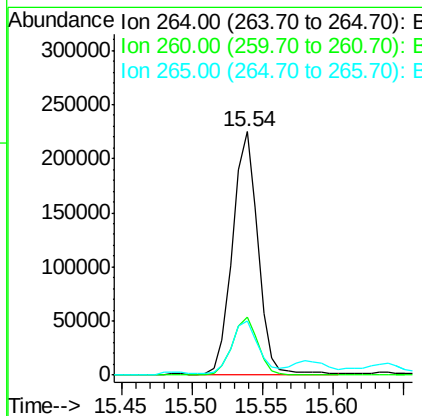
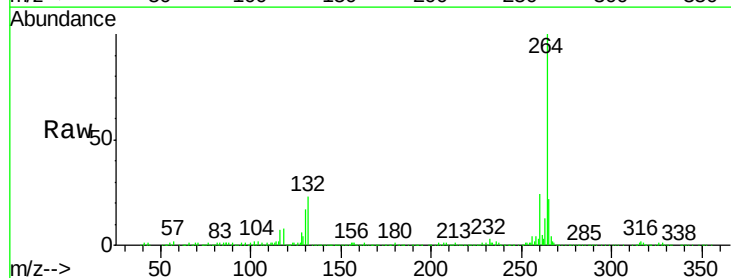
Instrument :
 BNA_F
 ClientSampleId :

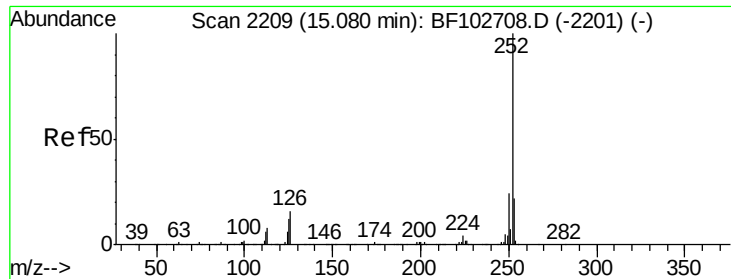
Tot Ion:276 Resp: 242693
 Ion Ratio Lower Upper
 276 100
 138 27.7 25.0 37.6
 277 24.4 20.1 30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. -0.01 min
 Lab File: BF103103.D
 Acq: 20 Feb 2018 1:22

Tgt Ion:264 Resp: 280807
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.2 28.8
 265 22.1 17.5 26.3

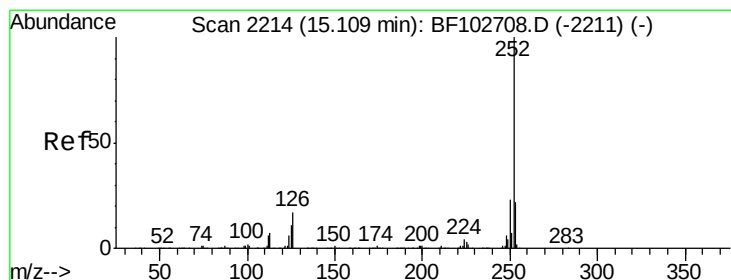
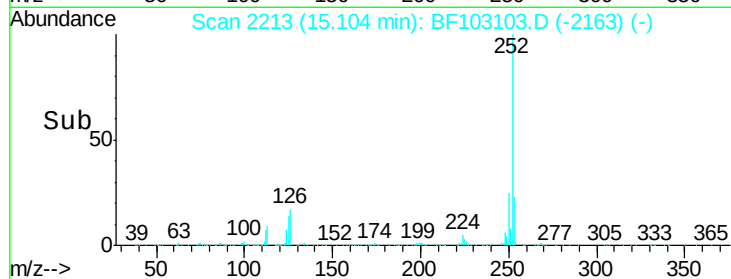
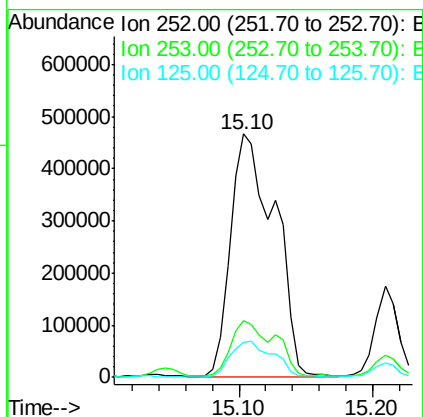
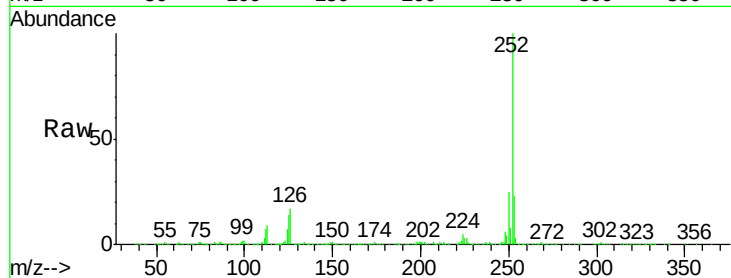




#87
Benzo(b)fluoranthene
Concen: 58.71 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.01 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

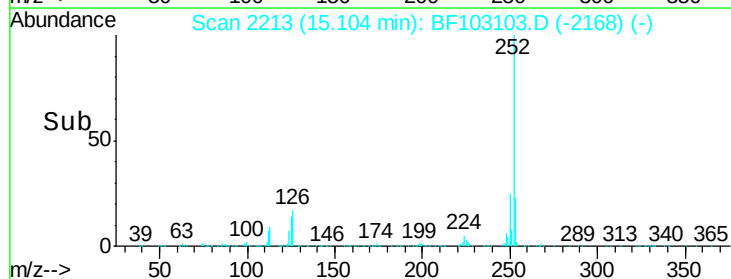
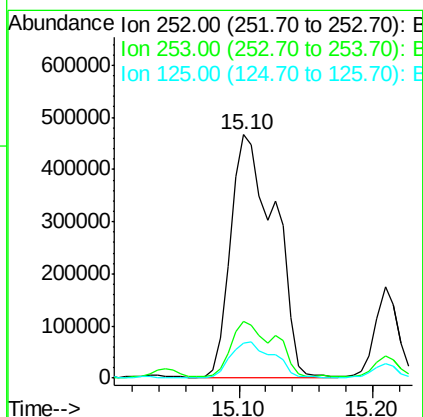
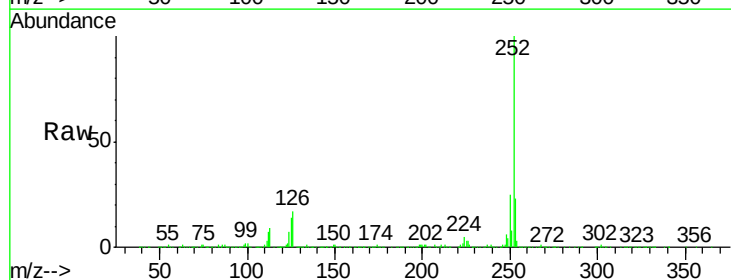
Instrument :
BNA_F
ClientSampleId :

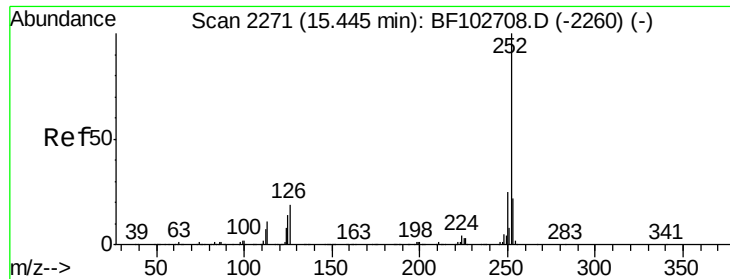
Tot Ion:252 Resp: 1068949
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.6
125 14.5 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 61.45 ng
RT: 15.10 min Scan# 2213
Delta R.T. -0.04 min
Lab File: BF103103.D
Acq: 20 Feb 2018 1:22

Tgt Ion:252 Resp: 1068949
Ion Ratio Lower Upper
252 100
253 23.5 17.9 26.9
125 14.5 10.2 15.2





#89

Benzo(a)pyrene

Concen: 36.94 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.01 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

Instrument :

BNA_F

ClientSampleId :

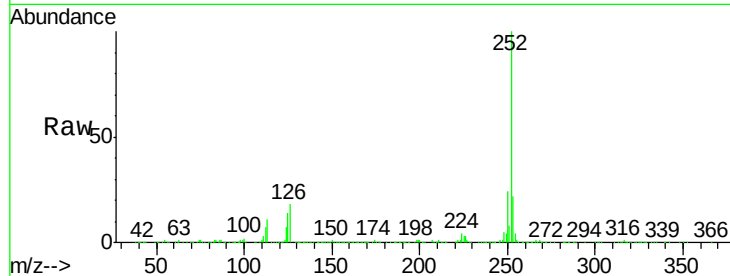
Tot Ion:252 Resp: 605384

Ion Ratio Lower Upper

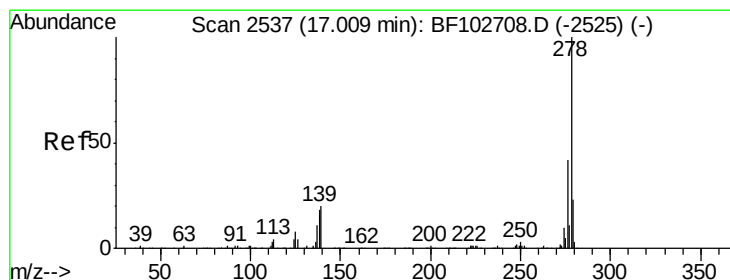
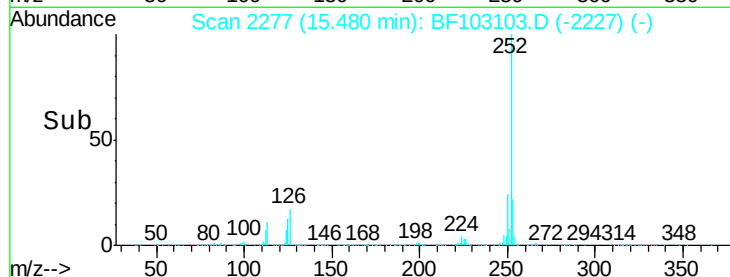
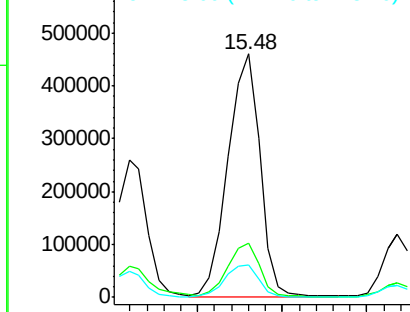
252 100

253 22.0 17.1 25.7

125 13.6 9.8 14.6



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



#90

Dibenzo(a,h)anthracene

Concen: 5.22 ng

RT: 17.05 min Scan# 2544

Delta R.T. -0.02 min

Lab File: BF103103.D

Acq: 20 Feb 2018 1:22

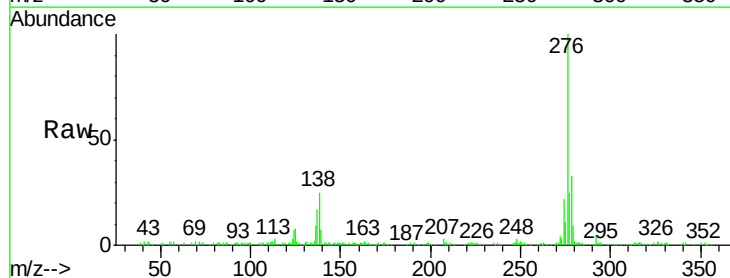
Tgt Ion:278 Resp: 69406

Ion Ratio Lower Upper

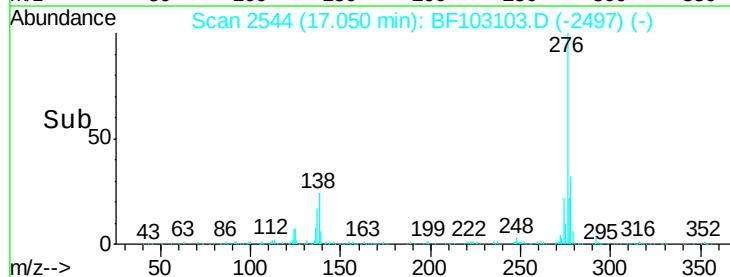
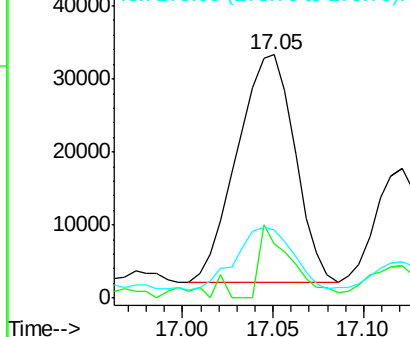
278 100

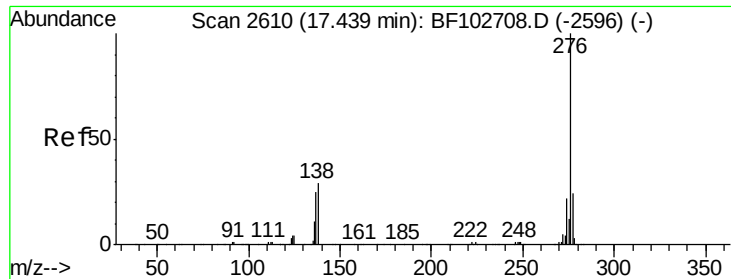
139 22.2 15.9 23.9

279 27.8 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E

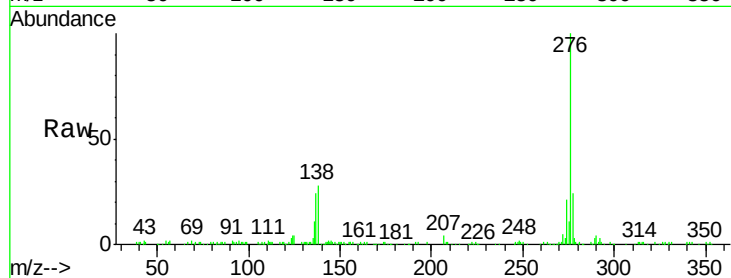




#91
 Benzo(a,h,i)perylene
 Concen: 15.76 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: BF103103.D
 Acq: 20 Feb 2018 1:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	27.9	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

