

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103898.D
 Acq On : 24 Mar 2018 00:03
 Operator : JU/SJ
 Sample : J1998-02DL 4X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 00:53:00 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	141631	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	545665	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	229669	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	344717	20.00	ng	0.00
75) Chrysene-d12	14.17	240	257045	20.00	ng	0.00
86) Perylene-d12	15.72	264	193779	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	240470	25.82	ng	0.00
7) Phenol-d6	6.59	99	299874	26.32	ng	-0.01
23) Nitrobenzene-d5	7.53	82	160868	20.56	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	54624	27.66	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	320054	22.23	ng	0.00
78) Terphenyl-d14	13.10	244	238190	21.51	ng	0.00

Target Compounds

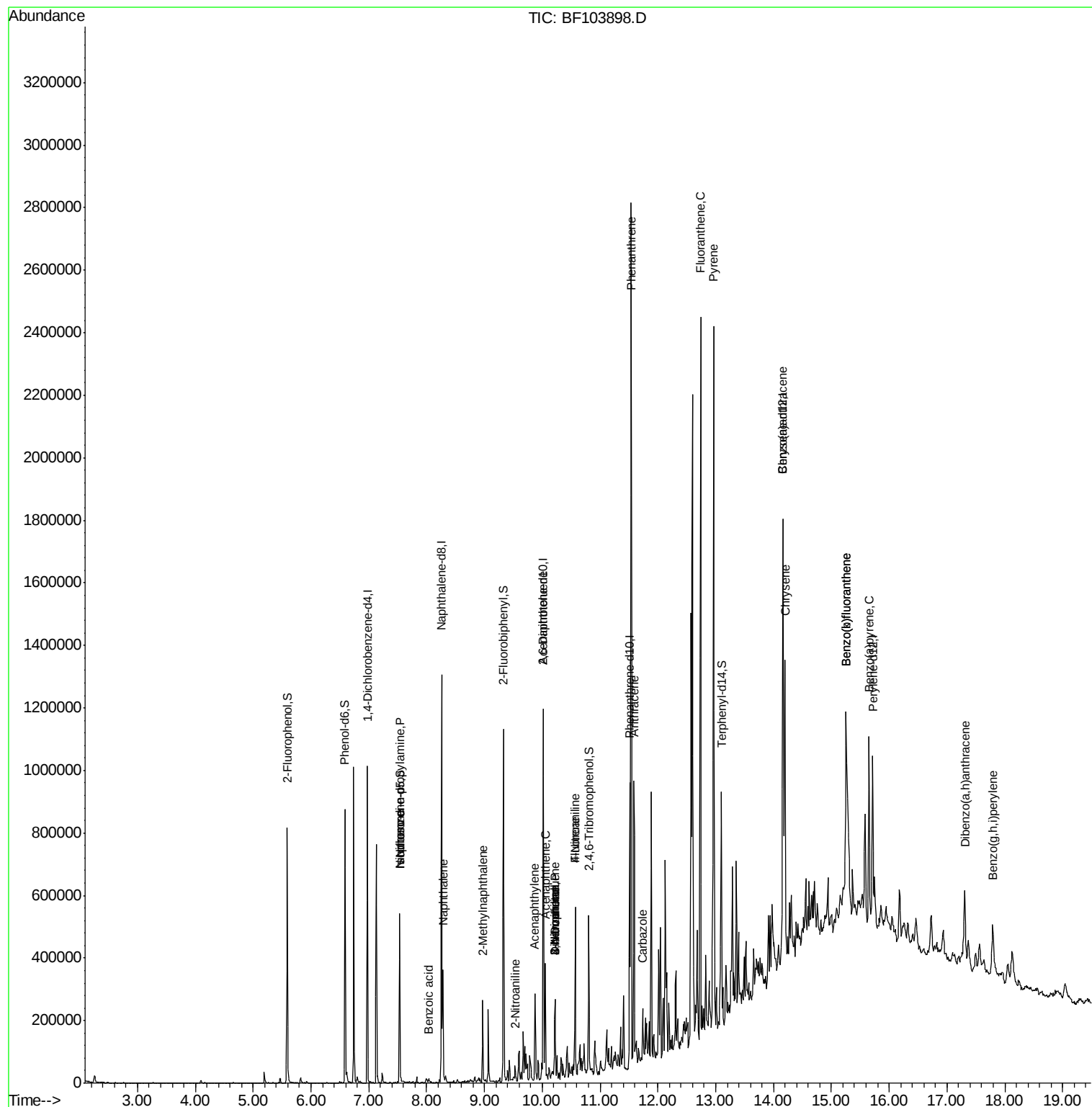
						Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	20427	2.798	ng	# 72
25) Isophorone	7.53	82	160865	8.881	ng	# 64
31) Naphthalene	8.28	128	145418	5.276	ng	# 99
32) Benzoic acid	8.03	122	135	9.925	ng	# 37
37) 2-Methylnaphthalene	8.97	142	66156	3.785	ng	# 99
47) 2-Nitroaniline	9.55	65	120	6.840	ng	# 2
48) Acenaphthylene	9.88	152	114626	4.860	ng	# 98
50) 2,6-Dinitrotoluene	10.02	165	32228	12.702	ng	# 26
51) Acenaphthene	10.05	154	66875	4.775	ng	# 97
52) 3-Nitroaniline	10.22	138	1228	4.093	ng	# 2
54) Dibenzofuran	10.22	168	87363	4.368	ng	# 99
55) 4-Nitrophenol	10.22	139	33070	14.638	ng	# 11
56) 2,4-Dinitrotoluene	10.22	165	1244	6.466	ng	# 1
57) Fluorene	10.57	166	161656	10.415	ng	# 99
61) 4-Nitroaniline	10.56	138	1818	4.178	ng	# 19
70) Phenanthrene	11.54	178	977881	51.858	ng	# 99
71) Anthracene	11.59	178	353644	18.465	ng	# 99
72) Carbazole	11.74	167	55921	3.004	ng	# 99
74) Fluoranthene	12.74	202	1013649	52.178	ng	# 97
77) Pvrene	12.97	202	920262	48.750	ng	# 99
80) Benzo(a)anthracene	14.16	228	439323	27.001	ng	# 95
82) Chrysene	14.20	228	373965	24.111	ng	# 98
87) Benzo(b)fluoranthene	15.26	252	481852	39.359	ng	# 93
88) Benzo(k)fluoranthene	15.26	252	481852	40.945	ng	# 96
89) Benzo(a)pyrene	15.65	252	275025	24.768	ng	# 95
90) Dibenzo(a,h)anthracene	17.32	278	38295	3.983	ng	# 87
91) Benzo(g,h,i)perylene	17.79	276	139291	14.891	ng	# 96

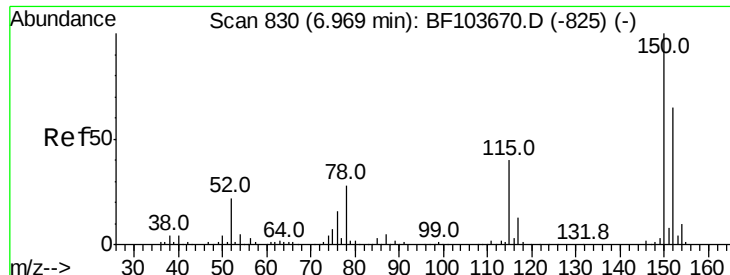
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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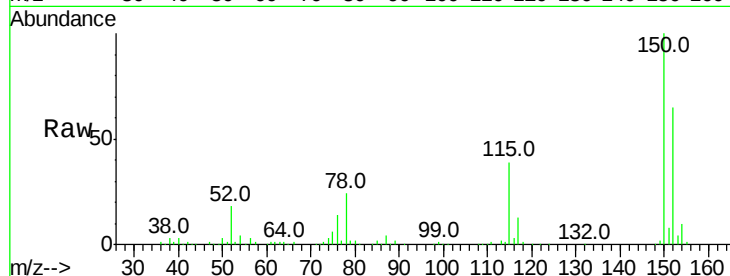


#1

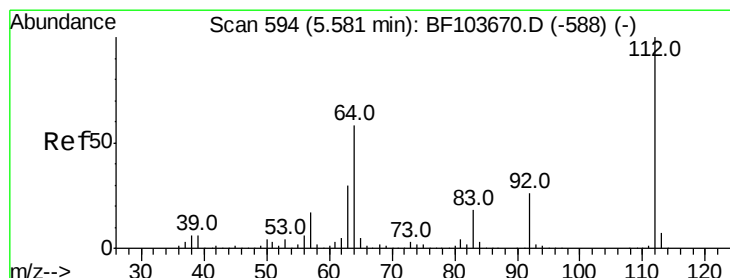
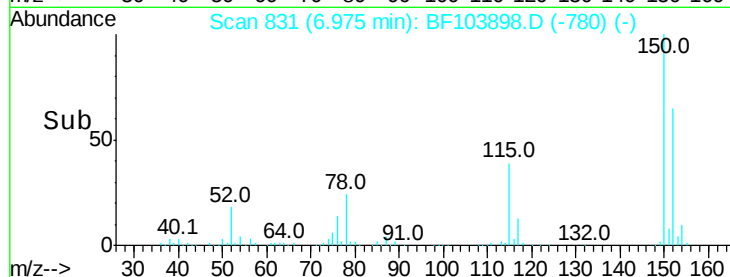
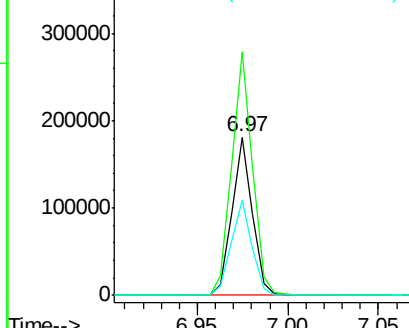
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141631
Ion Ratio Lower Upper
152 100
150 154.1 124.6 186.8
115 60.3 50.1 75.1



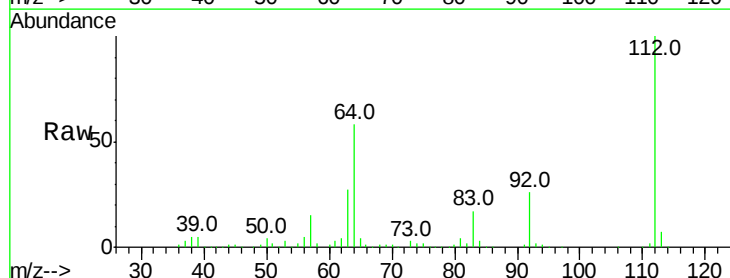
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



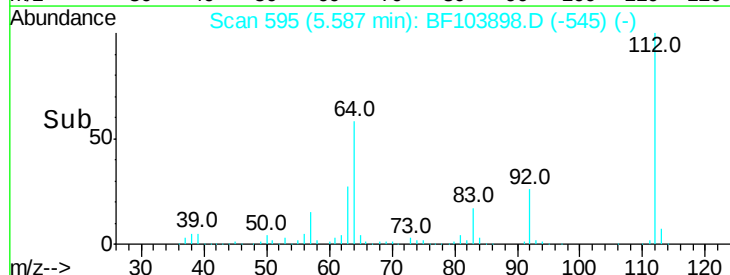
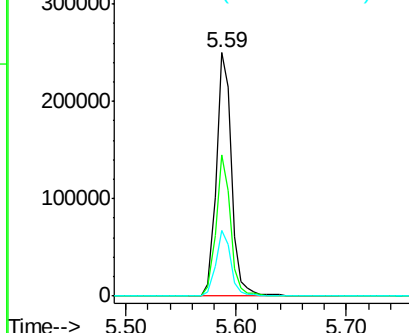
#5

2-Fluorophenol
Concen: 25.824 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Tgt Ion:112 Resp: 240470
Ion Ratio Lower Upper
112 100
64 57.8 47.9 71.9
63 27.1 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: 26.323 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

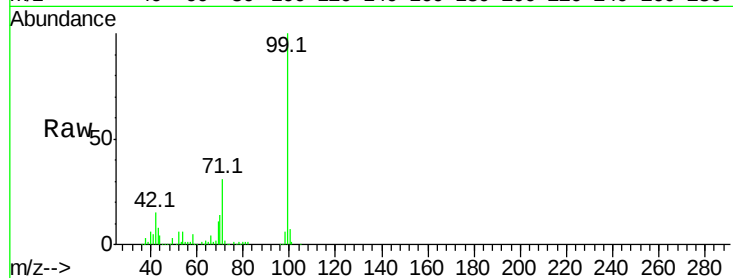
Tot Ion: 99 Resp: 299874

Ion Ratio Lower Upper

99 100

42 15.5 14.5 21.7

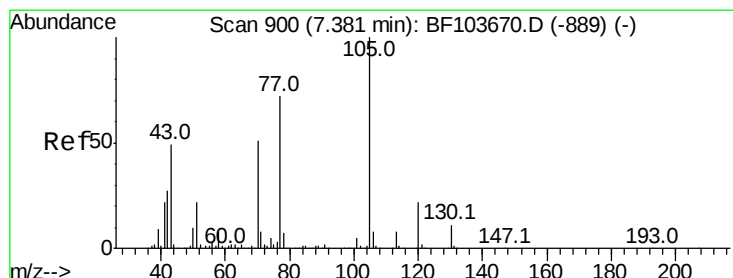
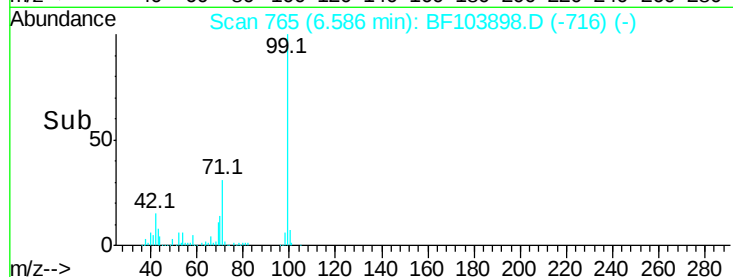
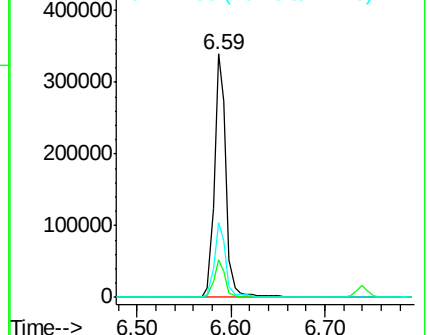
71 30.9 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 2.798 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.15 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Tgt Ion: 70 Resp: 20427

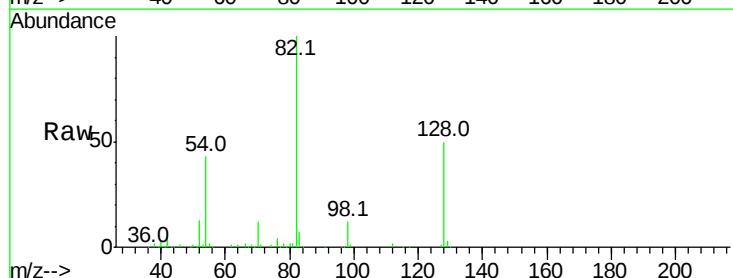
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

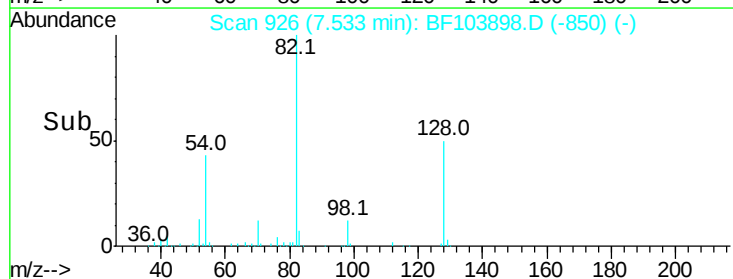
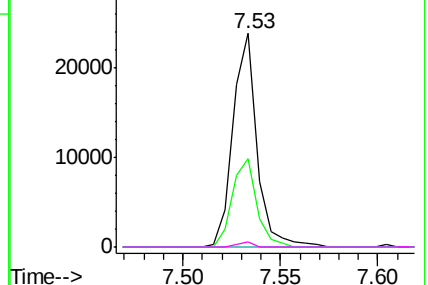


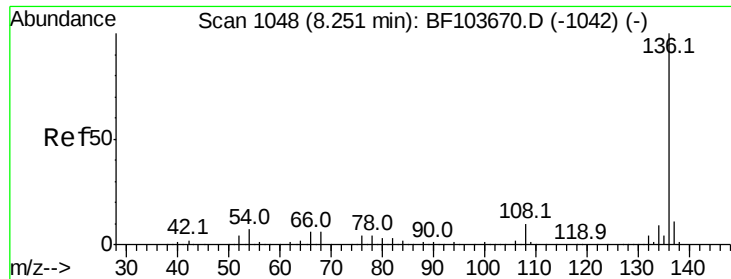
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

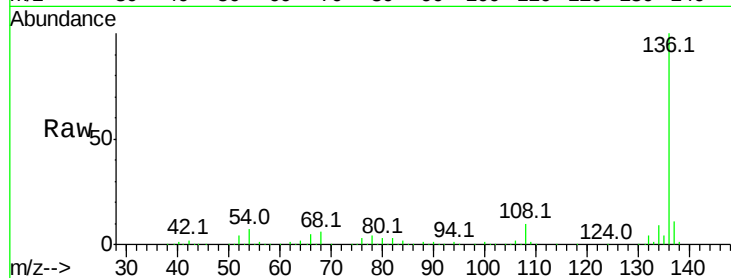




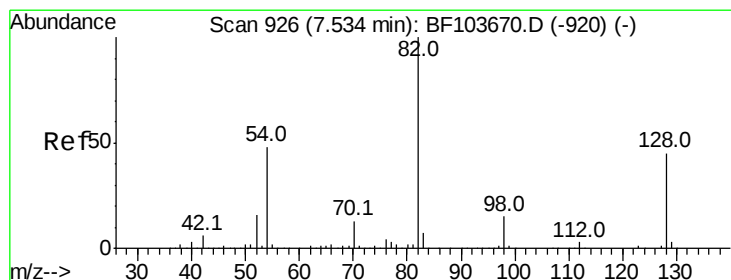
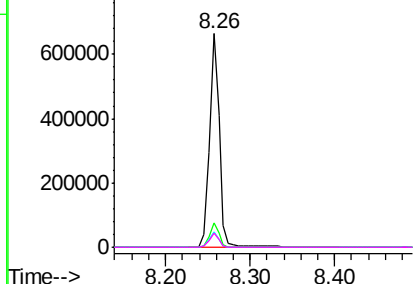
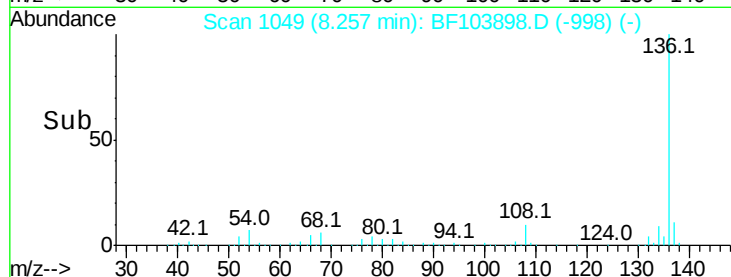
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	545665
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.0	6.6	9.8
68	6.5	5.0	7.4

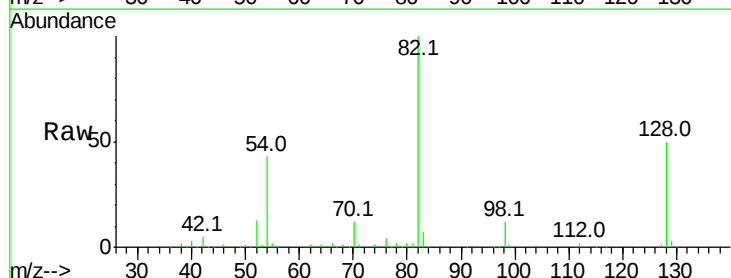


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

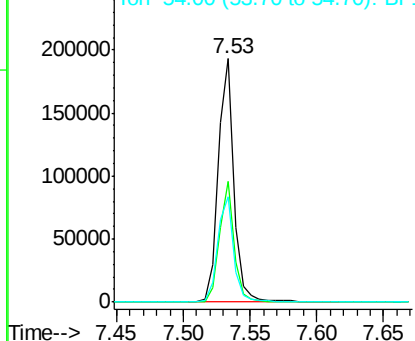
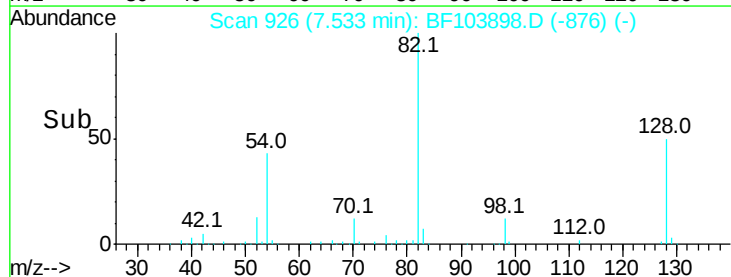


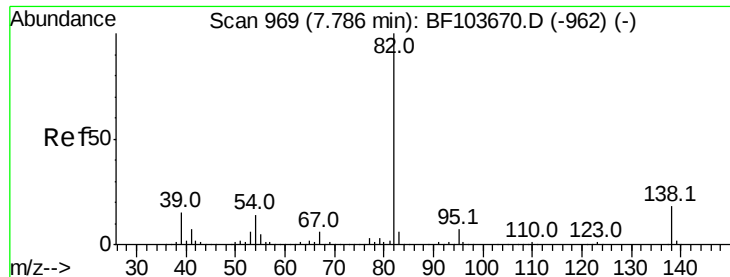
#23
Nitrobenzene-d5
Concen: 20.559 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.01 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Tgt Ion:	82	Resp:	160868
Ion	Ratio	Lower	Upper
82	100		
128	49.8	36.1	54.1
54	43.2	41.4	62.2



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





#25

Isophorone

Concen: 8.881 ng

RT: 7.53 min Scan# 926

Delta R.T. -0.26 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampled :

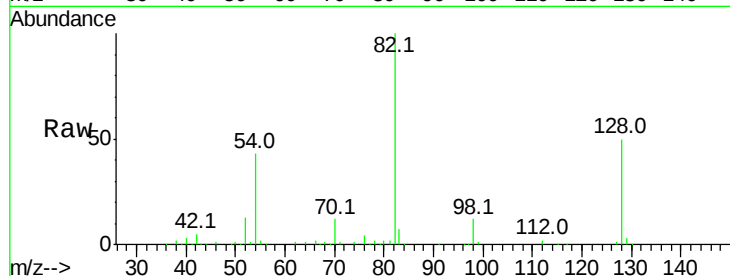
Tot Ion: 82 Resp: 160865

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

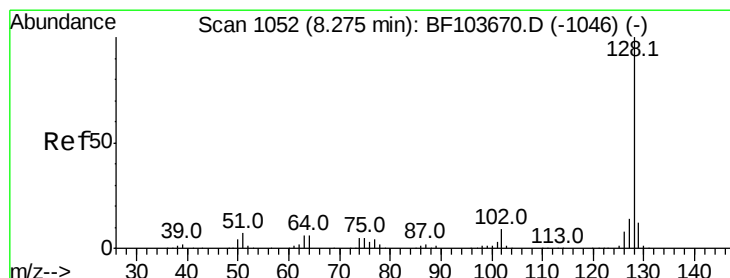
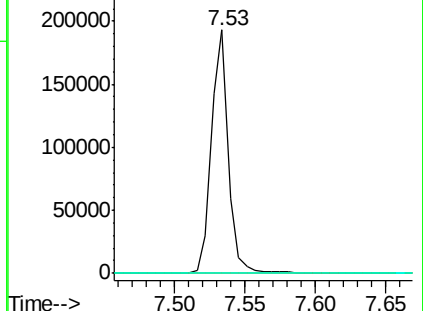
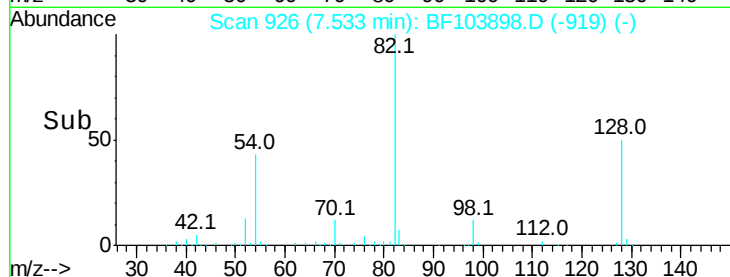
138 0.0 14.9 22.3#



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: 5.276 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.00 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

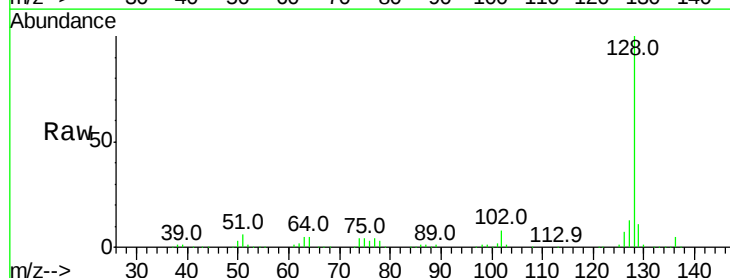
Tgt Ion: 128 Resp: 145418

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

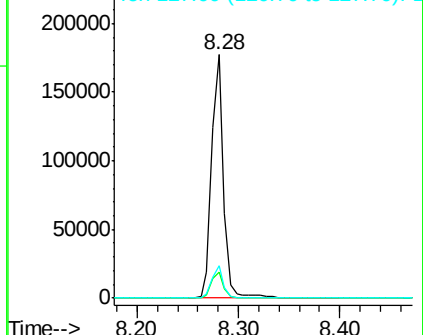
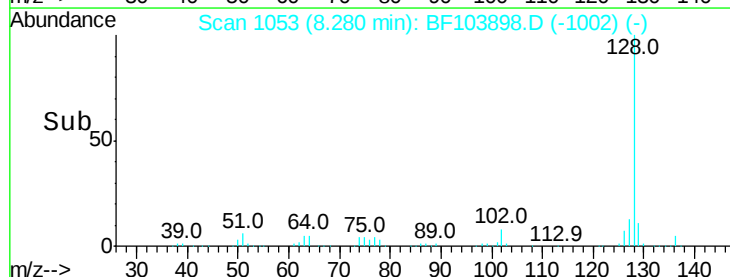
127 13.3 10.9 16.3

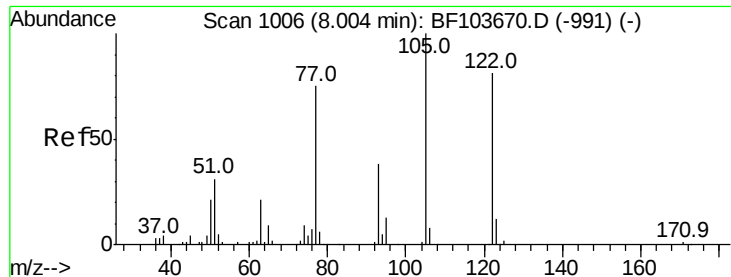


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

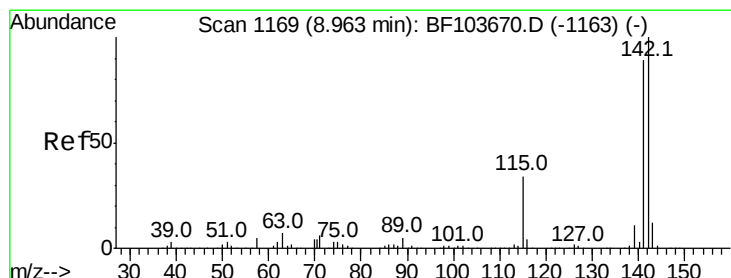
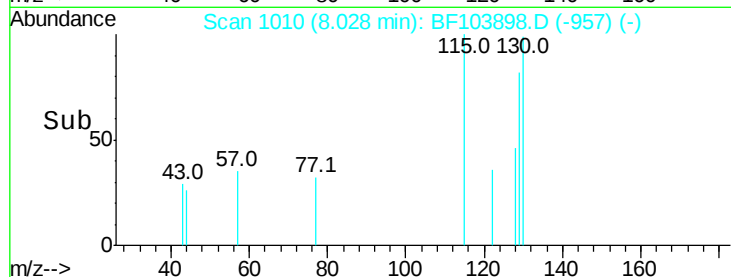
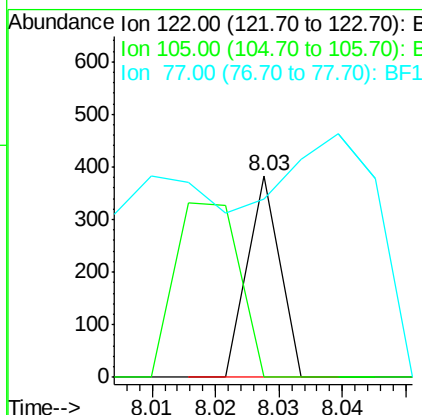
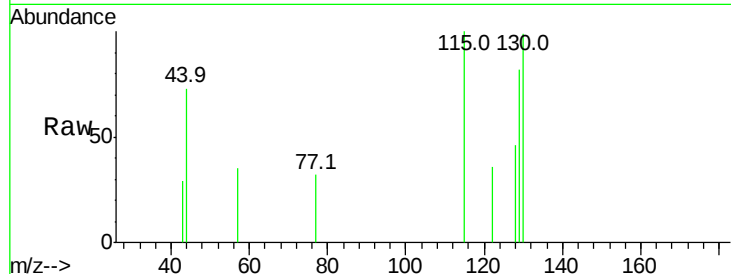




#32
Benzoic acid
Concen: 9.925 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

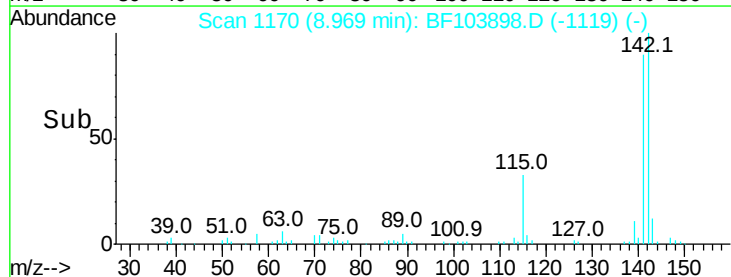
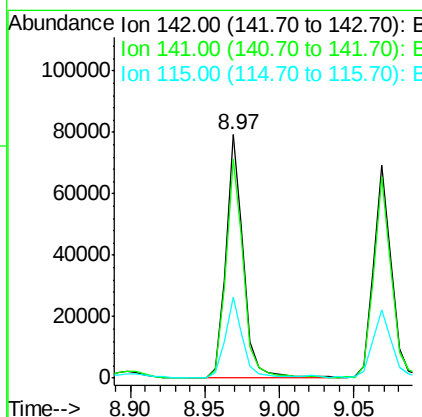
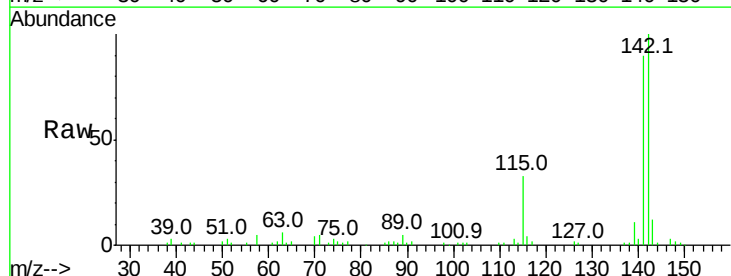
Instrument :
BNA_F
ClientSampleId :

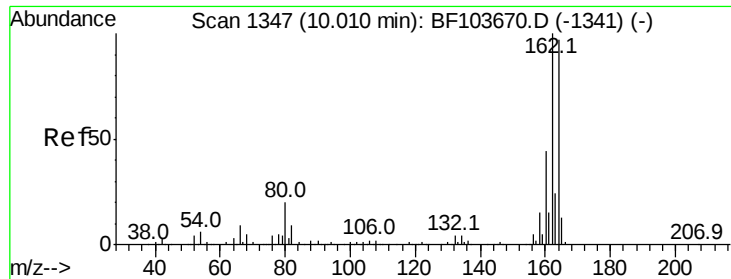
Tot Ion:122 Resp: 135
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 88.5 70.7 110.7



#37
2-Methylnaphthalene
Concen: 3.785 ng
RT: 8.97 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Tgt Ion:142 Resp: 66156
Ion Ratio Lower Upper
142 100
141 89.9 70.8 106.2
115 33.3 26.1 39.1

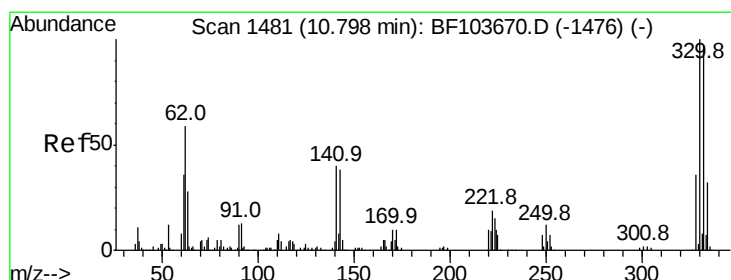
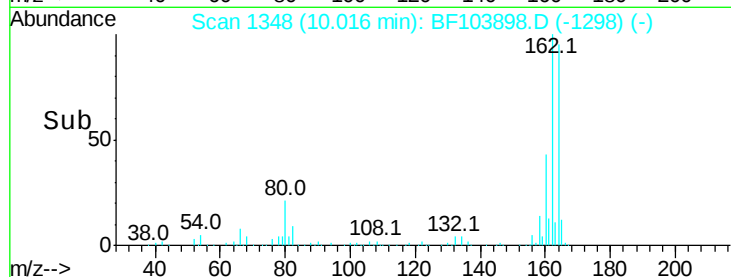
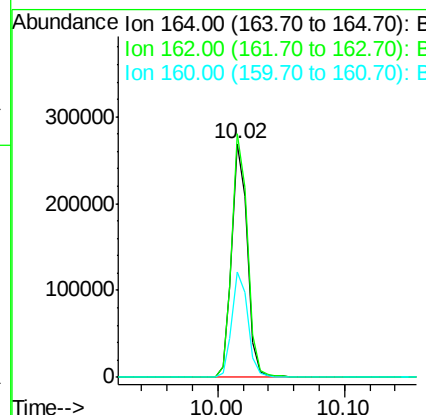
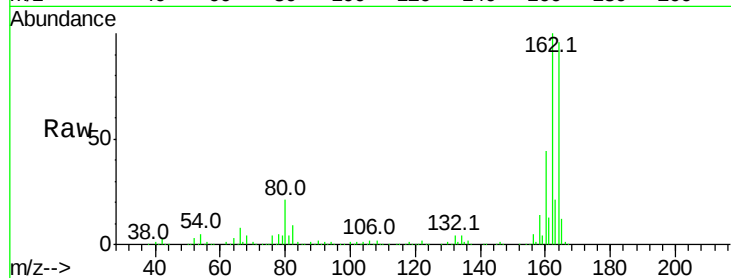




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

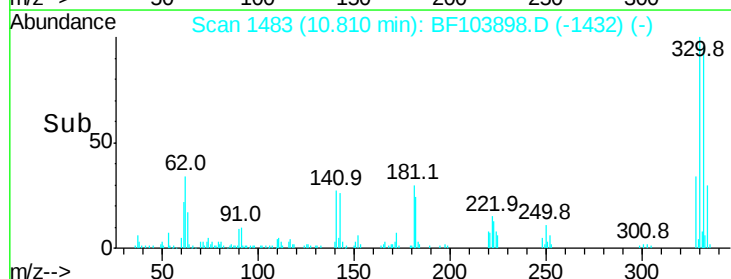
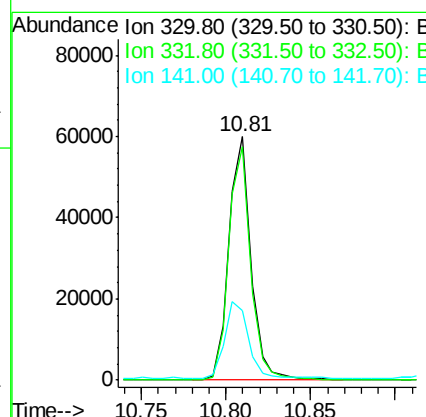
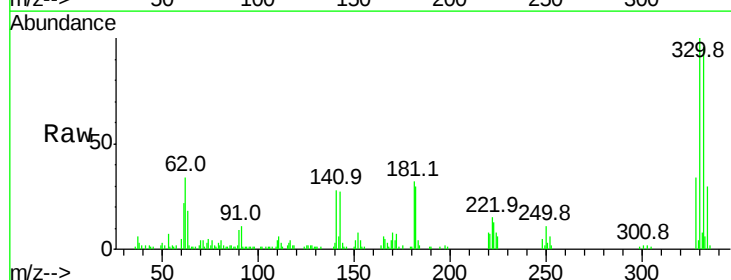
Instrument :
BNA_F
ClientSampleId :

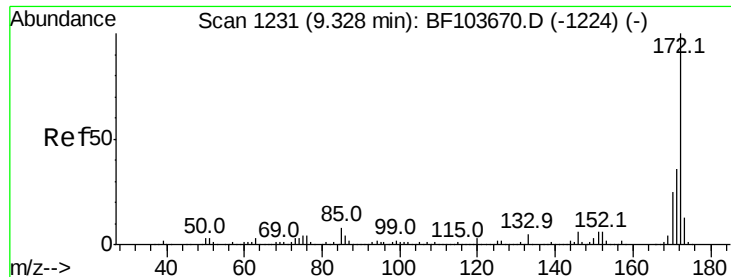
Tot Ion:164 Resp: 229669
Ion Ratio Lower Upper
164 100
162 104.2 86.1 129.1
160 45.4 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 27.662 ng
RT: 10.81 min Scan# 1483
Delta R.T. -0.00 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Tgt Ion:330 Resp: 54624
Ion Ratio Lower Upper
330 100
332 95.3 77.0 115.6
141 35.3 29.9 44.9

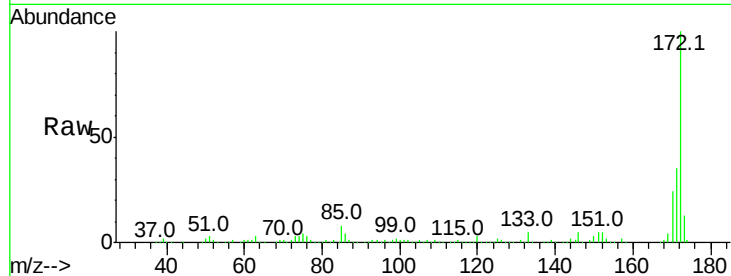




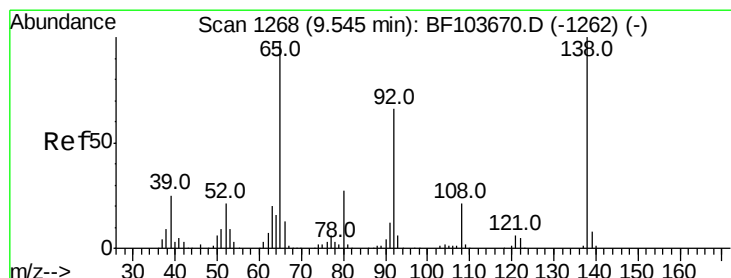
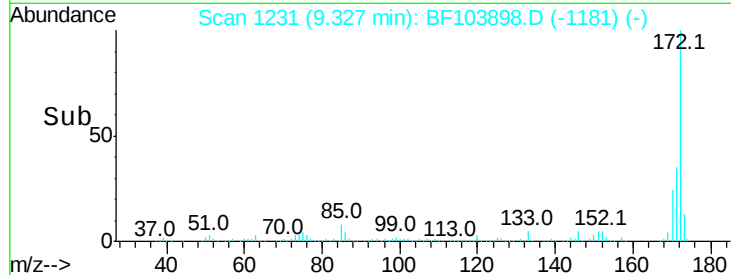
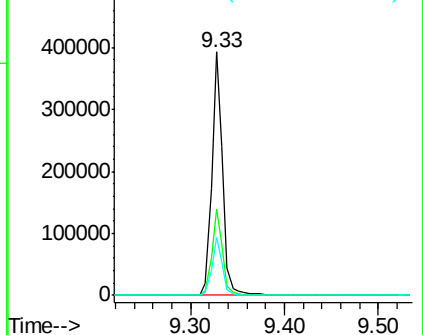
#44
 2-Fluorobiphenyl
 Concen: 22.229 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103898.D
 Acq: 24 Mar 2018 00:03

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 320054
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 24.0 19.6 29.4

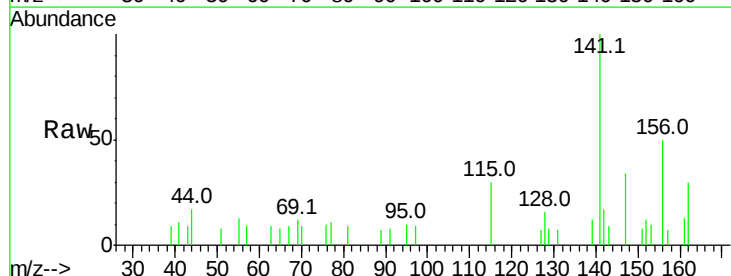


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

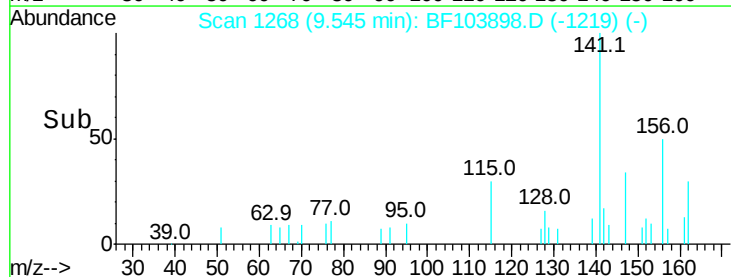
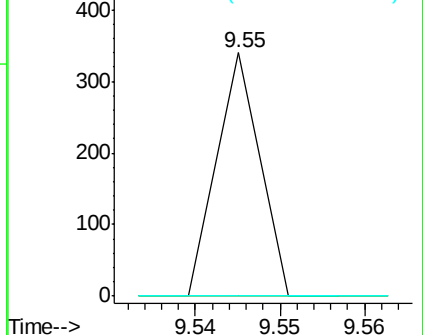


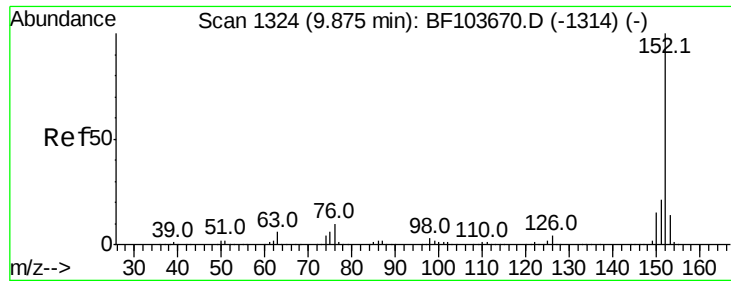
#47
 2-Nitroaniline
 Concen: 6.840 ng
 RT: 9.55 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: BF103898.D
 Acq: 24 Mar 2018 00:03

Tgt Ion: 65 Resp: 120
 Ion Ratio Lower Upper
 65 100
 92 0.0 55.8 83.6#
 138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 4.860 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

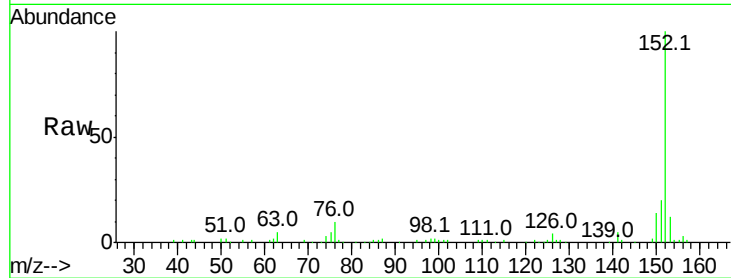
Tot Ion:152 Resp: 114626

Ion Ratio Lower Upper

152 100

151 19.5 16.3 24.5

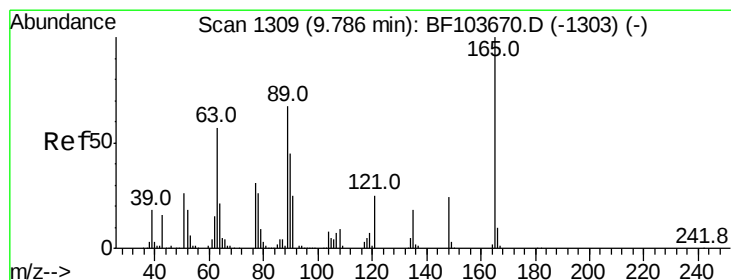
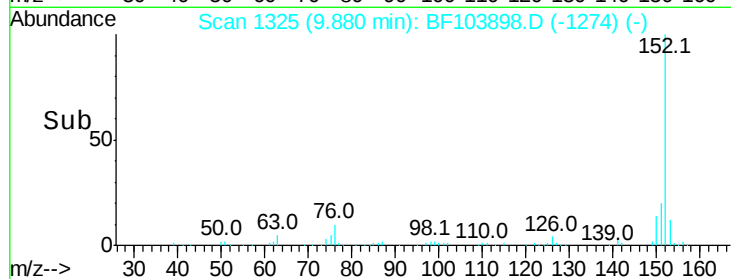
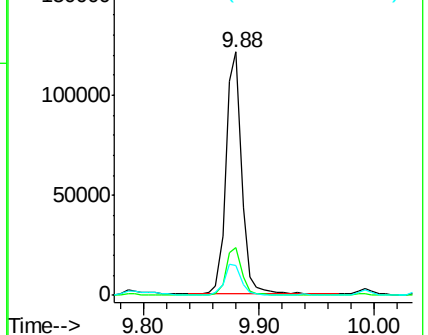
153 12.4 10.7 16.1



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



#50

2,6-Dinitrotoluene

Concen: 12.702 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.22 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

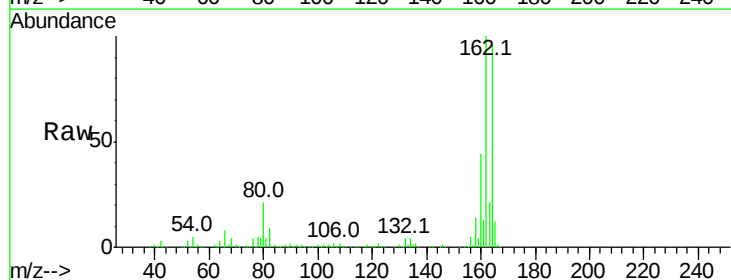
Tgt Ion:165 Resp: 32228

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

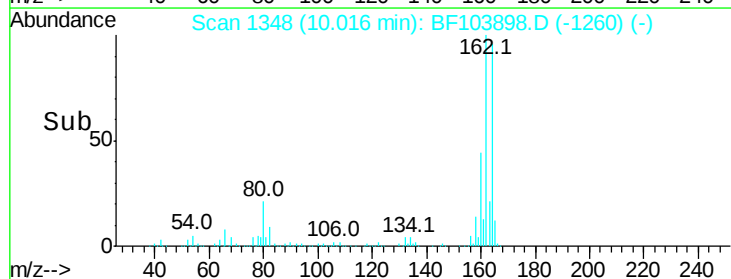
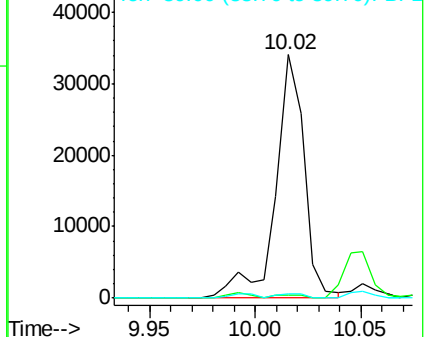
89 1.6 44.0 66.0#

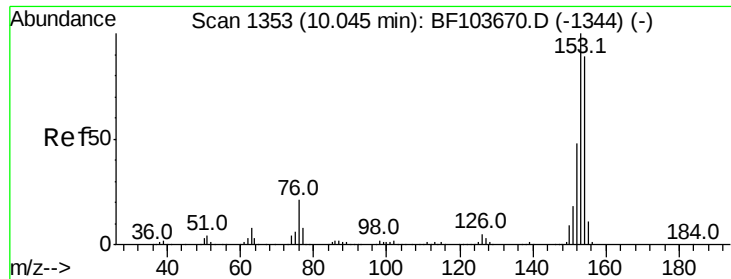


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

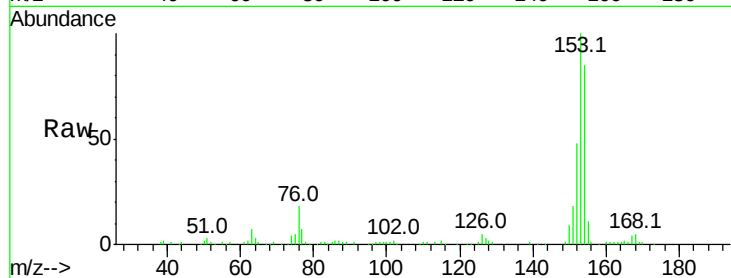




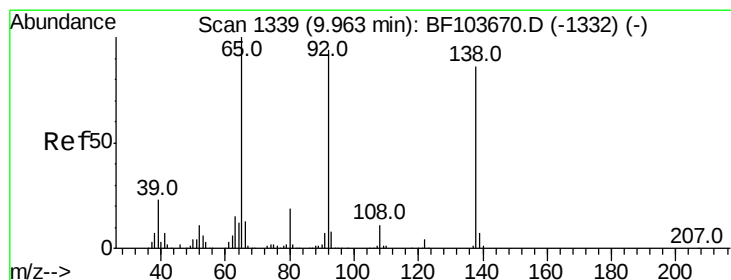
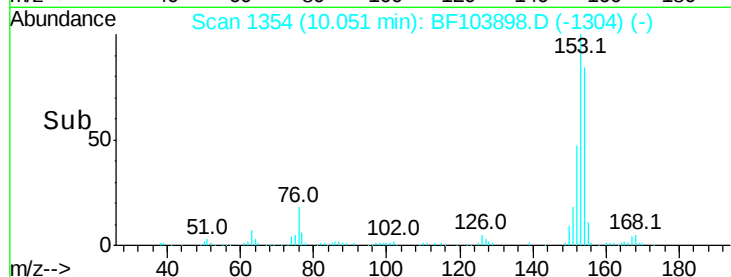
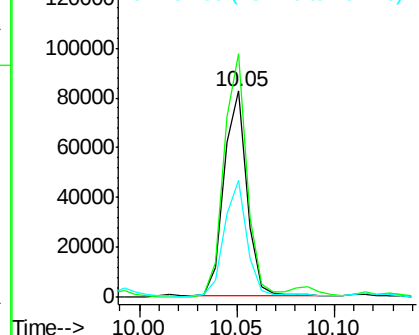
#51
Acenaphthene
Concen: 4.775 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:154 Resp: 66875
Ion Ratio Lower Upper
154 100
153 118.1 91.2 136.8
152 56.5 43.8 65.8

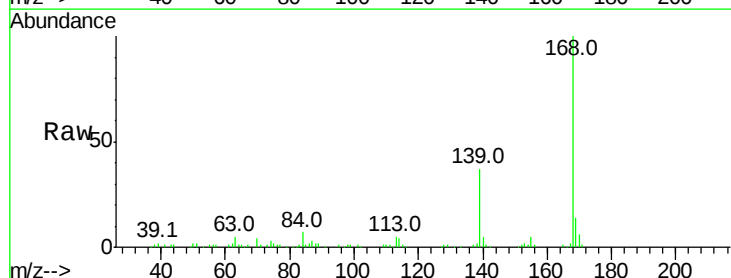


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

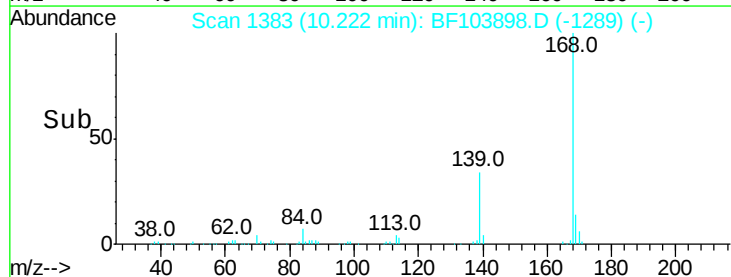
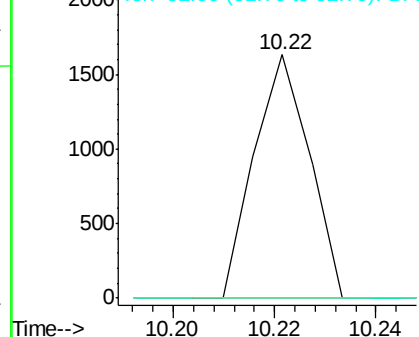


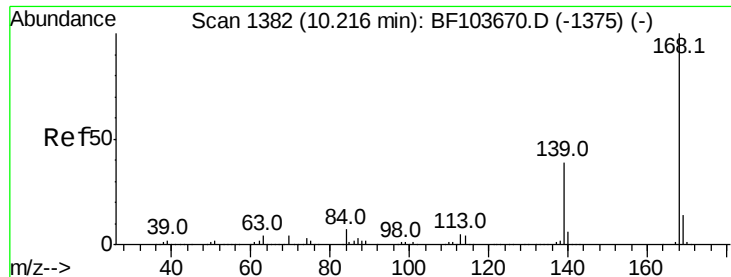
#52
3-Nitroaniline
Concen: 4.093 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.25 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Tgt Ion:138 Resp: 1228
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: 4.368 ng

RT: 10.22 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

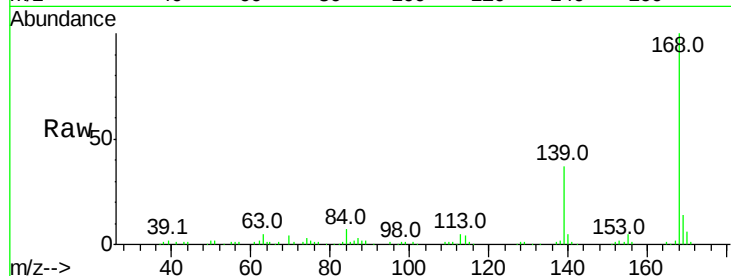
Tot Ion:168 Resp: 87363

Ion Ratio Lower Upper

168 100

139 37.0 30.1 45.1

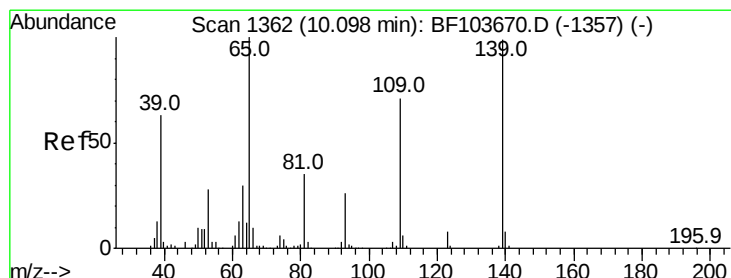
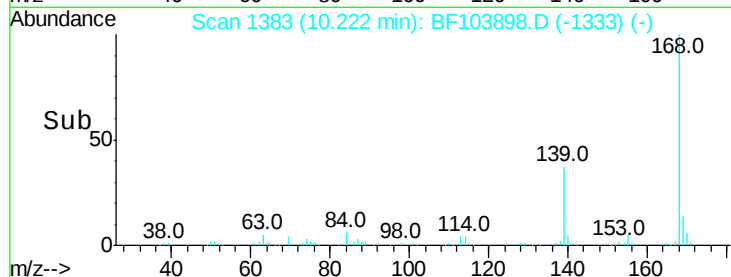
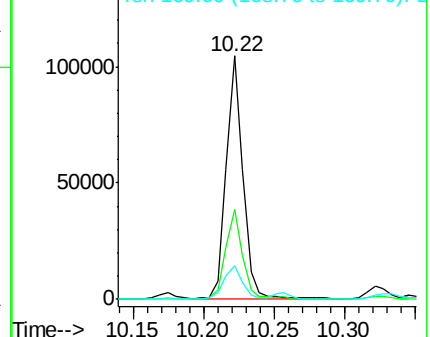
169 14.1 10.9 16.3



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: 14.638 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.10 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

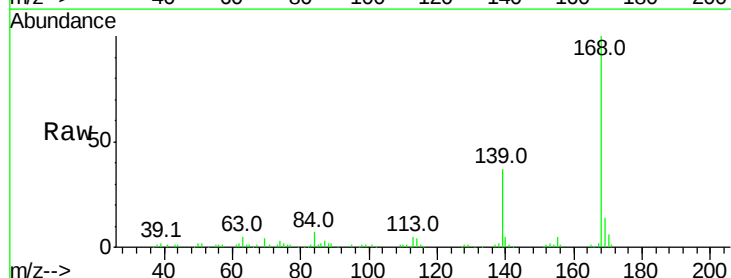
Tgt Ion:139 Resp: 33070

Ion Ratio Lower Upper

139 100

109 2.0 48.4 88.4#

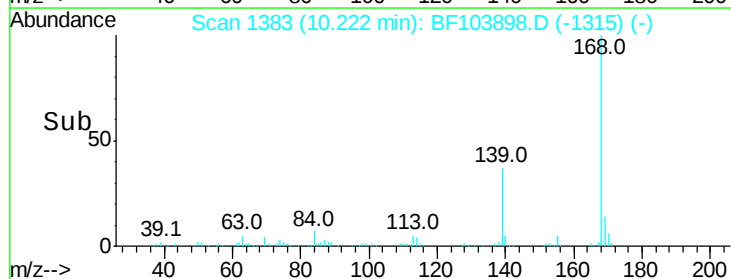
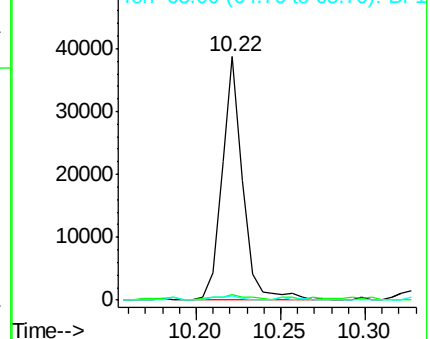
65 1.6 72.6 112.6#

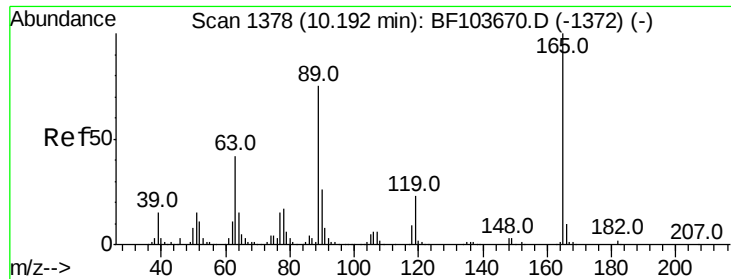


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

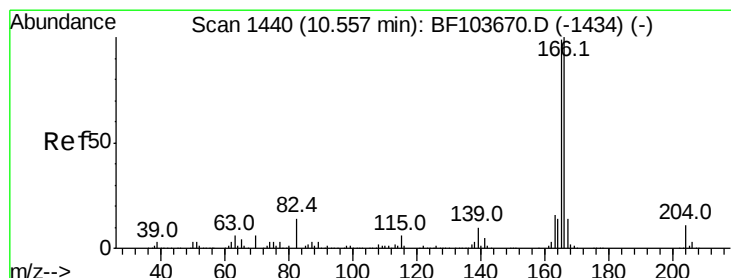
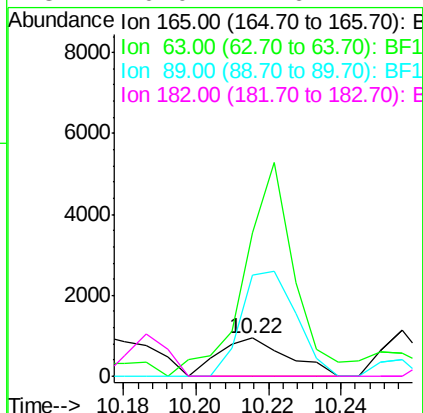
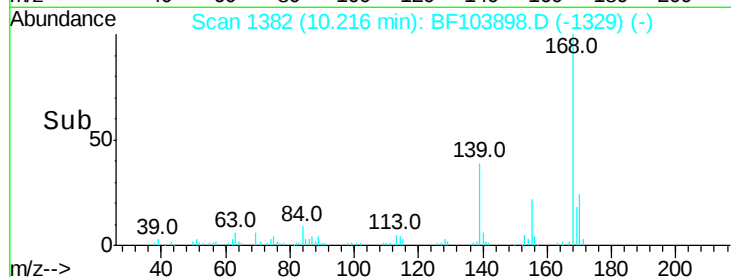
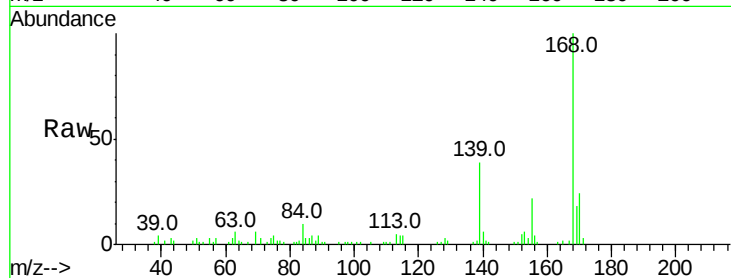




#56
 2,4-Dinitrotoluene
 Concen: 6.466 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.01 min
 Lab File: BF103898.D
 Acq: 24 Mar 2018 00:03

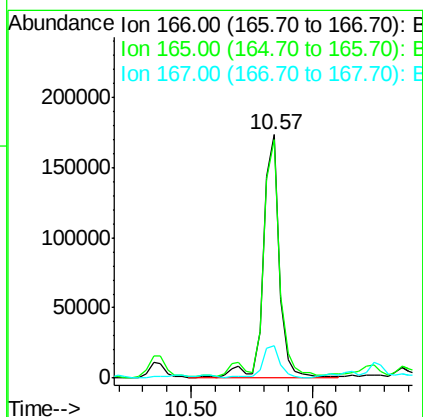
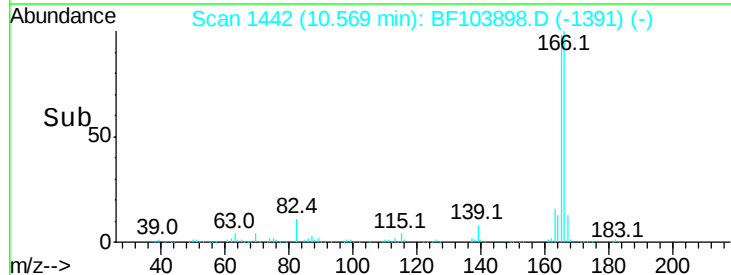
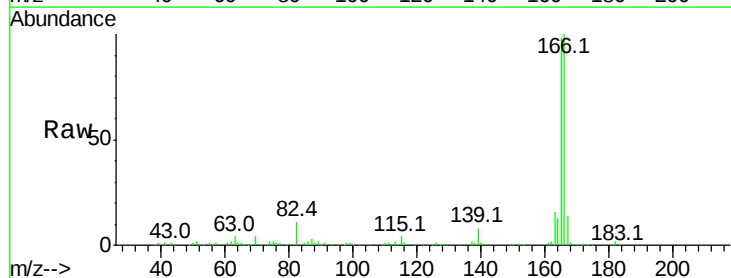
Instrument :
 BNA_F
 ClientSampleId :

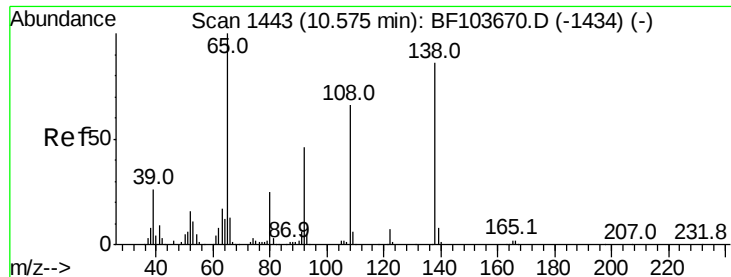
Tot Ion:165	Resp:	1244
Ion Ratio	Lower	Upper
165 100		
63 377.9	36.4	54.6#
89 268.4	57.8	86.6#
182 0.0	1.6	2.4#



#57
 Fluorene
 Concen: 10.415 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF103898.D
 Acq: 24 Mar 2018 00:03

Tgt	Ion:166	Resp:	161656
Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.8	119.8
167	13.5	10.6	16.0

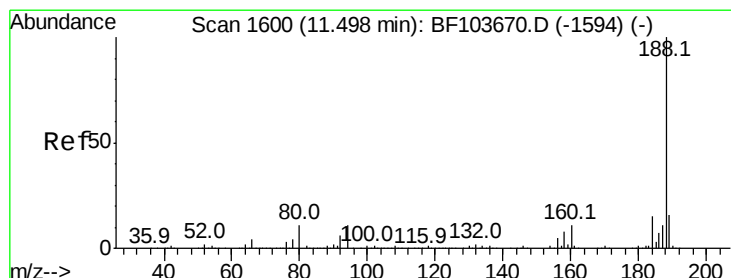
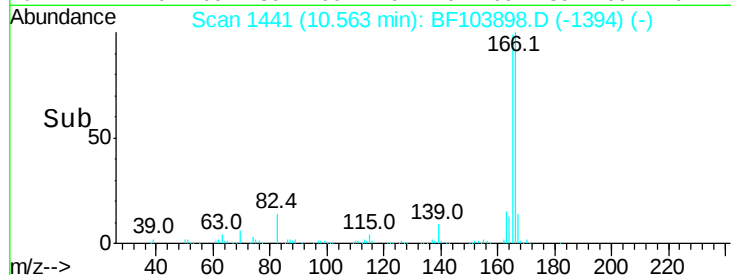
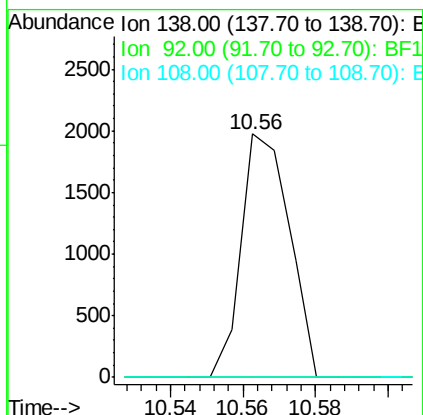
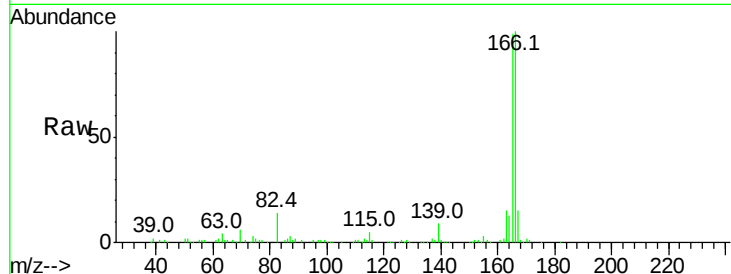




#61
4-Nitroaniline
Concen: 4.178 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.02 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

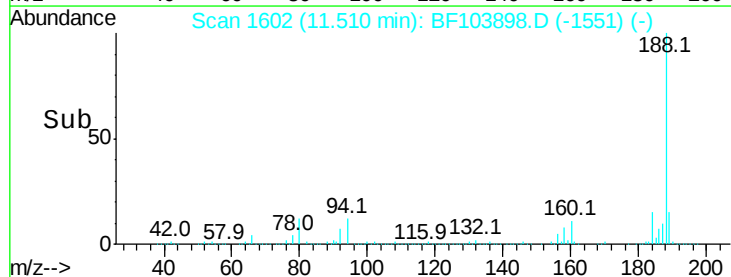
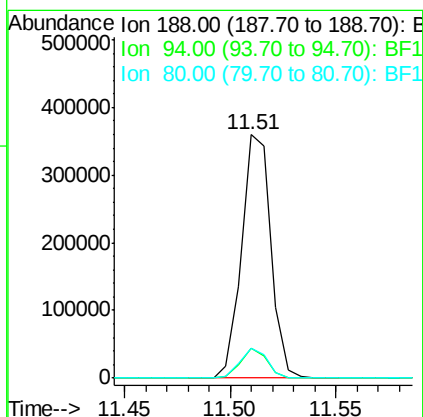
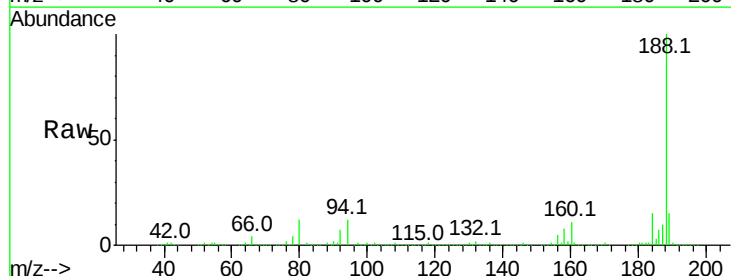
Instrument :
BNA_F
ClientSampled :

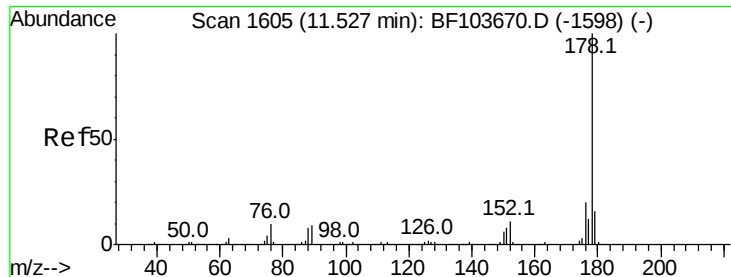
Tot Ion:138 Resp: 1818
Ion Ratio Lower Upper
138 100
92 0.0 30.2 70.2#
108 0.0 52.5 92.5#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Tgt Ion:188 Resp: 344717
Ion Ratio Lower Upper
188 100
94 12.1 8.5 12.7
80 12.1 9.2 13.8





#70

Phenanthrene

Concen: 51.858 ng

RT: 11.54 min Scan# 1607

Delta R.T. -0.00 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

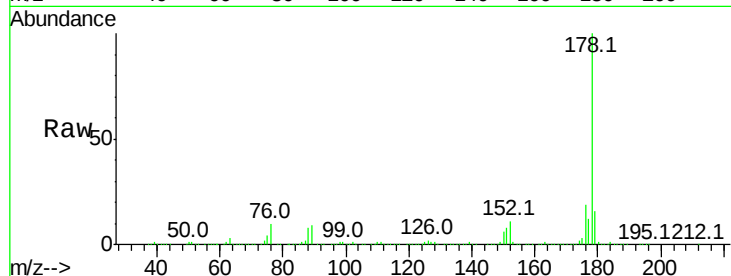
Tot Ion:178 Resp: 977881

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

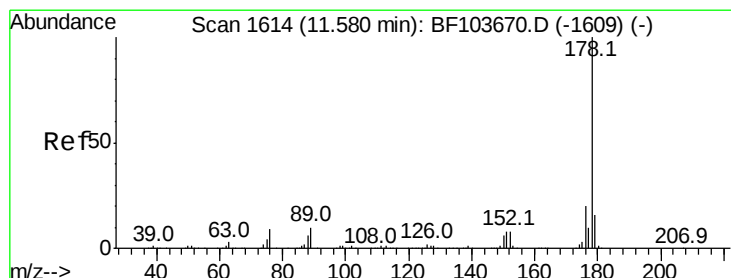
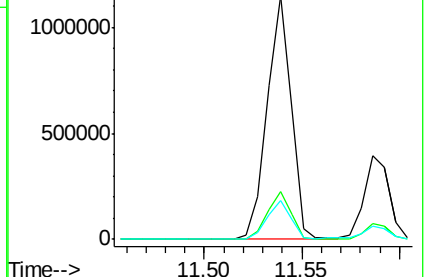
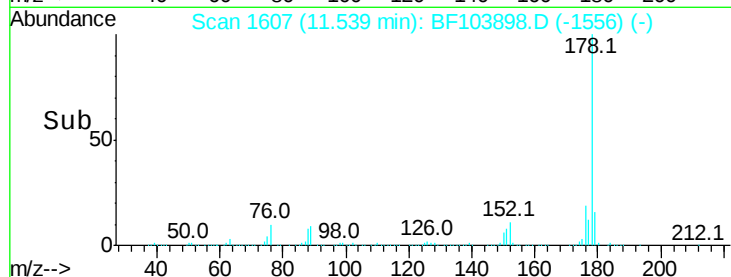
179 15.7 13.0 19.6



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: 18.465 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

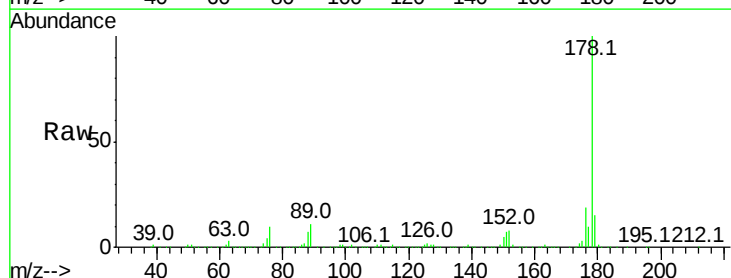
Tgt Ion:178 Resp: 353644

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

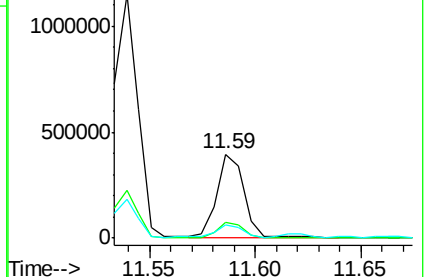
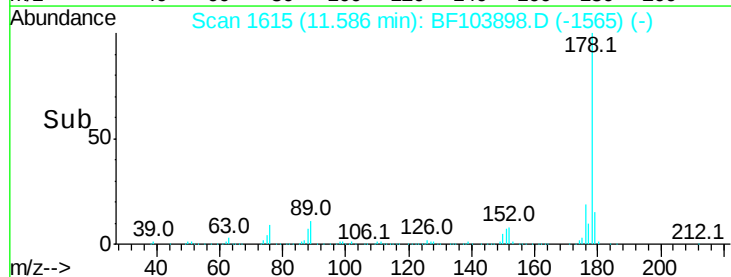
179 15.5 12.6 19.0

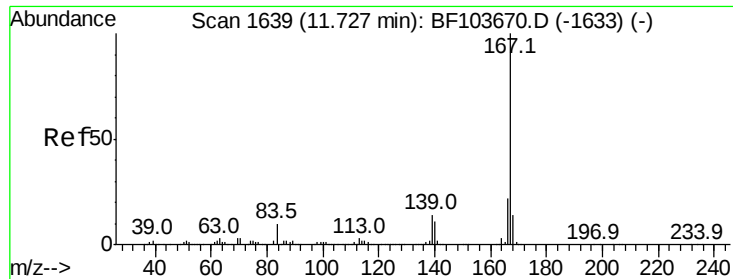


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.004 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

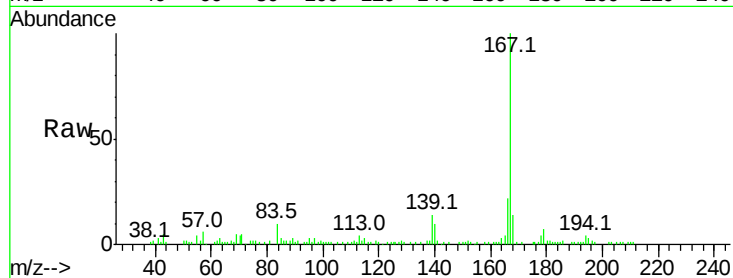
Tot Ion:167 Resp: 55921

Ion Ratio Lower Upper

167 100

166 22.2 17.6 26.4

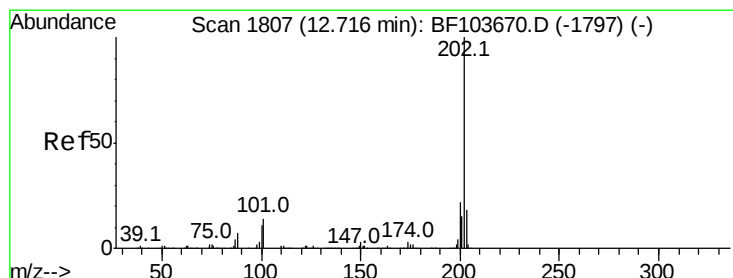
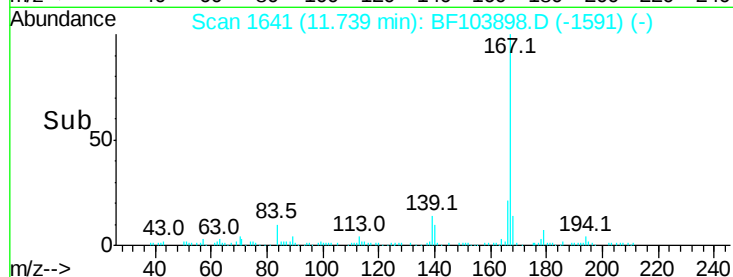
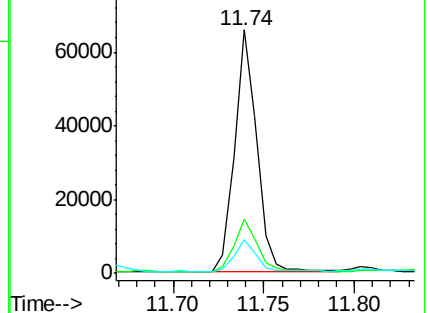
139 14.0 10.9 16.3



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: 52.178 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

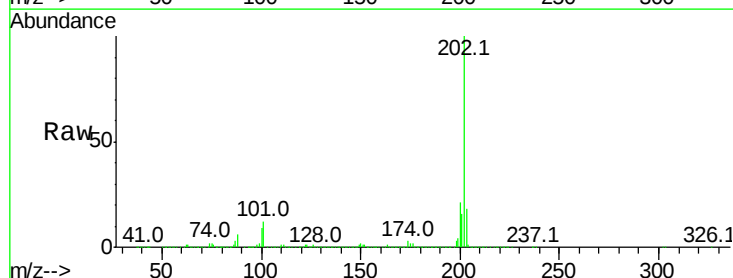
Tgt Ion:202 Resp: 1013649

Ion Ratio Lower Upper

202 100

101 11.9 0.0 34.1

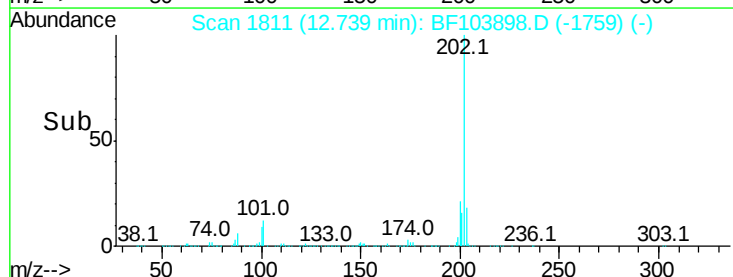
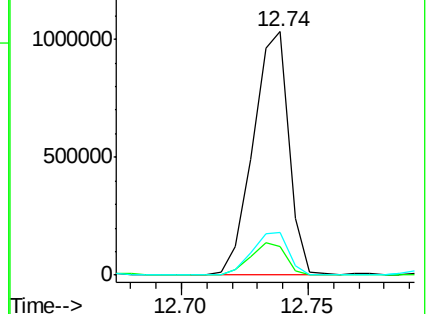
203 17.6 0.0 38.1

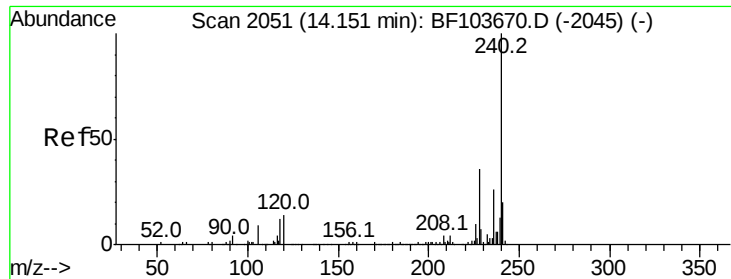


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

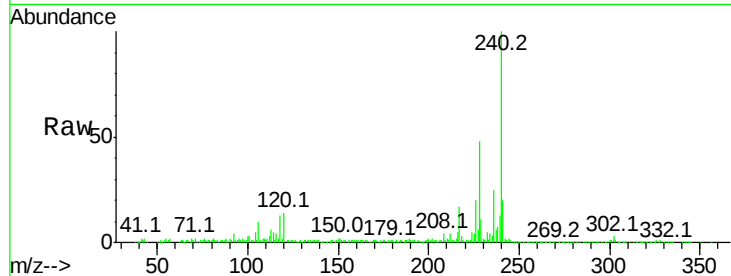
Tot Ion:240 Resp: 257045

Ion Ratio Lower Upper

240 100

120 13.9 9.5 14.3

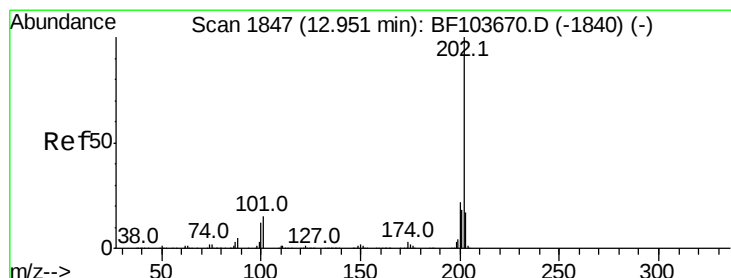
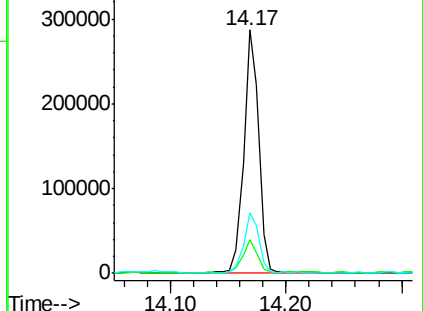
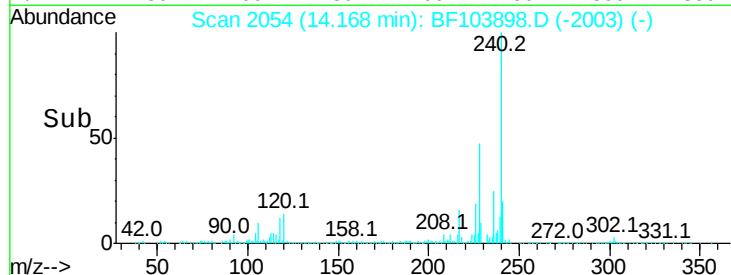
236 25.0 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 48.750 ng

RT: 12.97 min Scan# 1850

Delta R.T. 0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

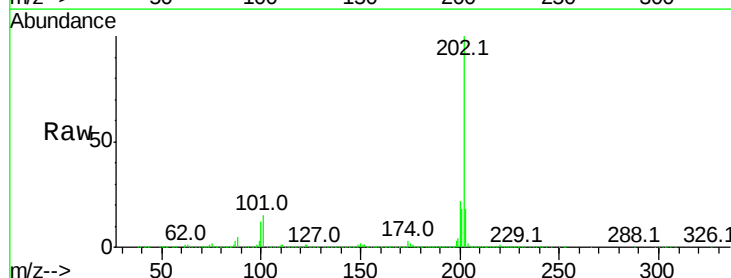
Tgt Ion:202 Resp: 920262

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

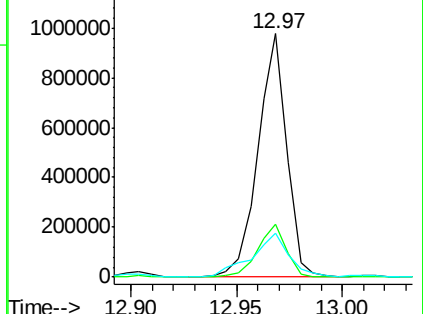
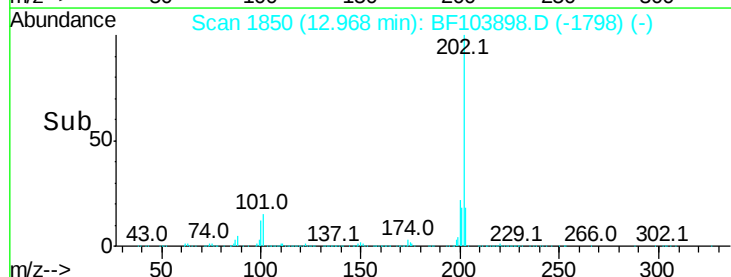
203 18.3 14.3 21.5

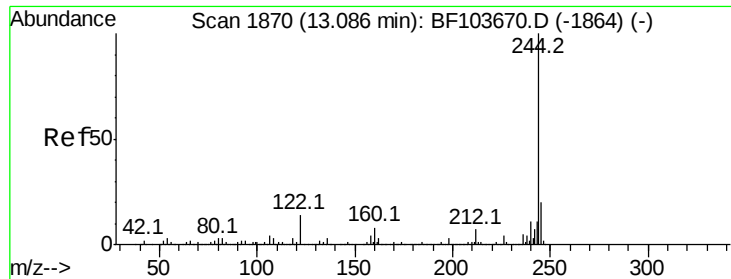


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 21.509 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

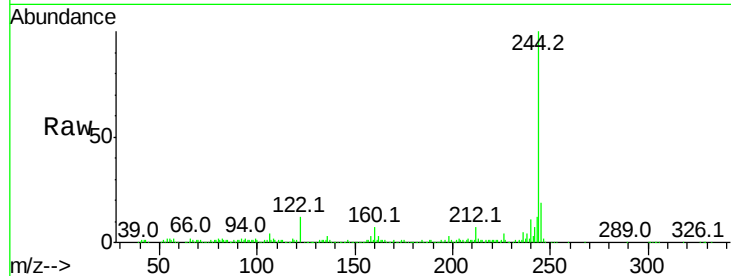
Instrument :

BNA_F

ClientSampleId :

Tot Ion:244 Resp: 238190

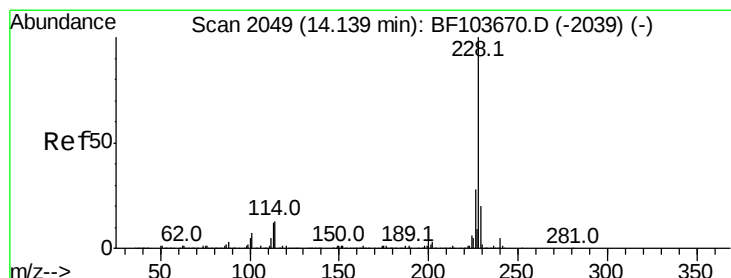
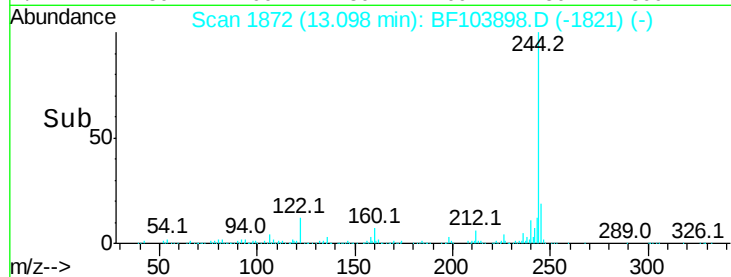
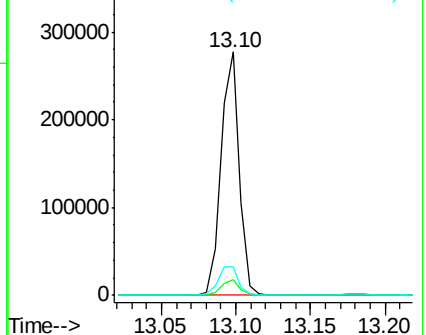
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	12.0	11.0	16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 27.001 ng

RT: 14.16 min Scan# 2052

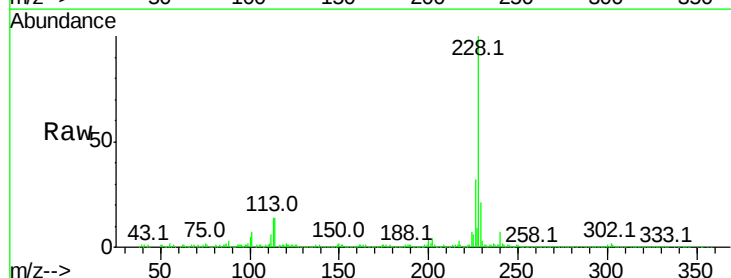
Delta R.T. -0.00 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Tgt Ion:228 Resp: 439323

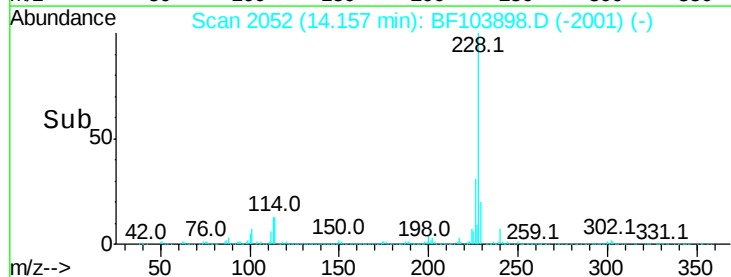
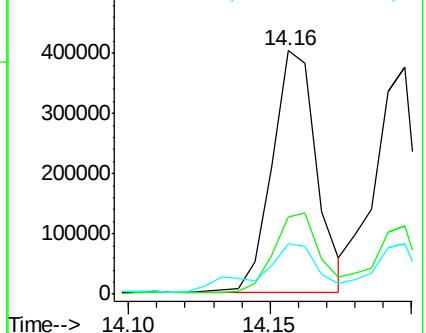
Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	20.7	15.8	23.6

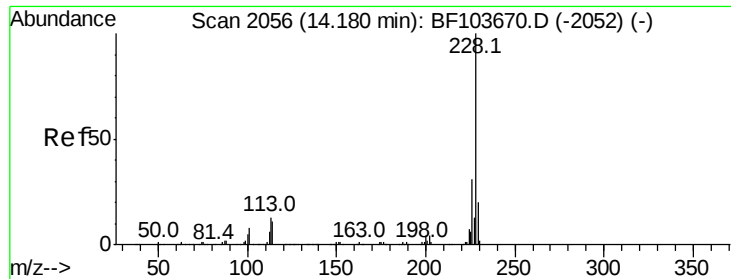


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 24.111 ng

RT: 14.20 min Scan# 2059

Delta R.T. -0.00 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

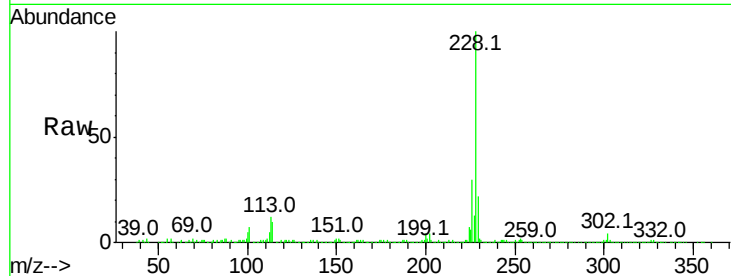
Tot Ion:228 Resp: 373965

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

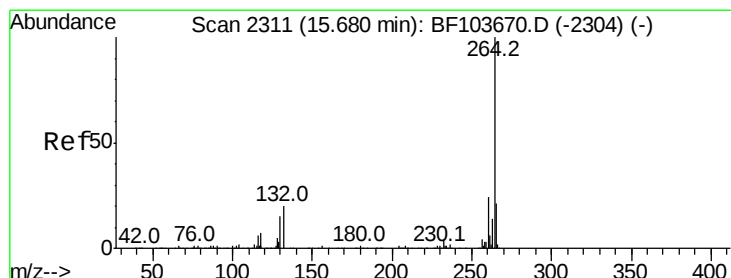
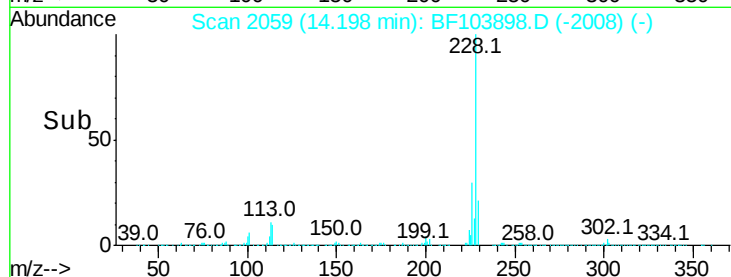
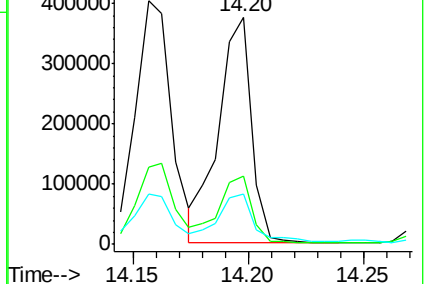
229 21.9 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.72 min Scan# 2317

Delta R.T. 0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

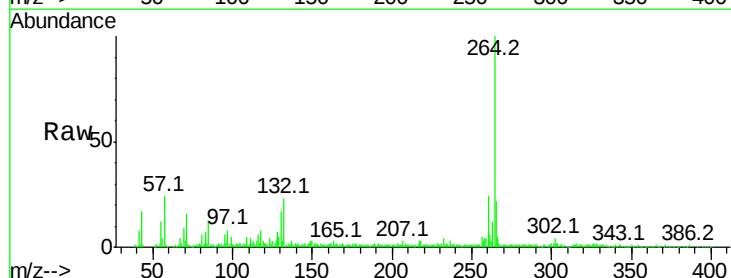
Tgt Ion:264 Resp: 193779

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

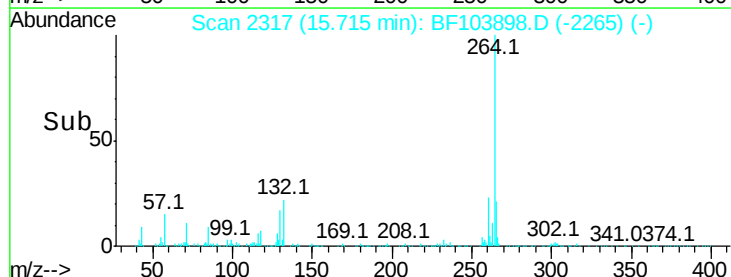
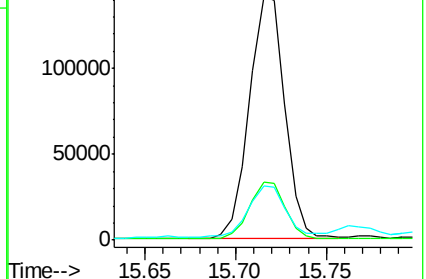
265 22.4 17.5 26.3

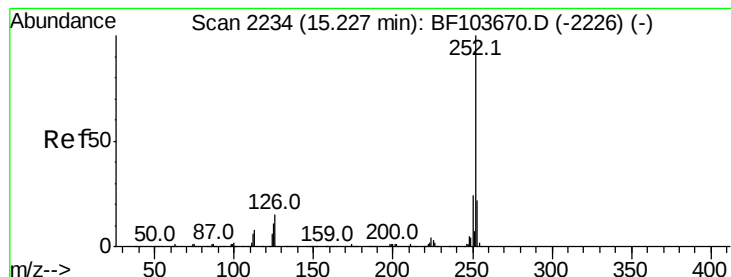


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 39.359 ng

RT: 15.26 min Scan# 2239

Delta R.T. 0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

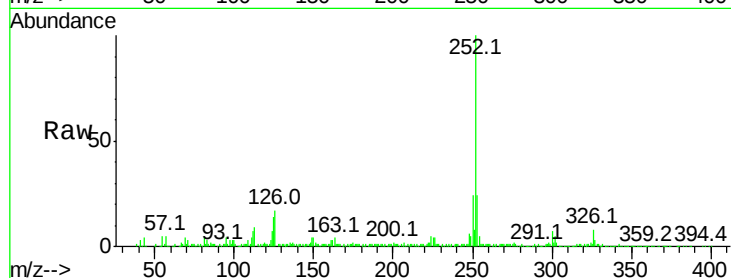
Tot Ion:252 Resp: 481852

Ion Ratio Lower Upper

252 100

253 24.2 17.0 25.6

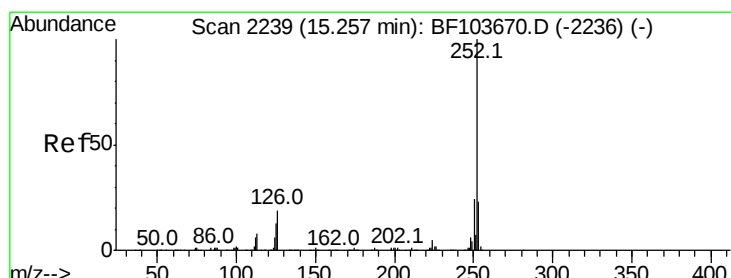
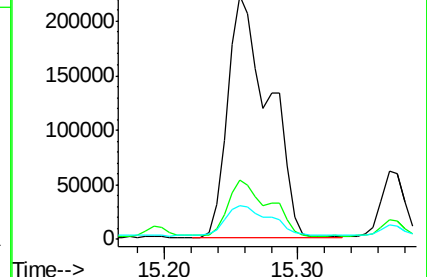
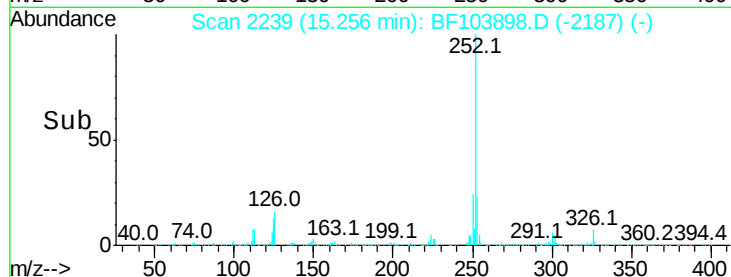
125 14.0 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 40.945 ng

RT: 15.26 min Scan# 2239

Delta R.T. -0.02 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

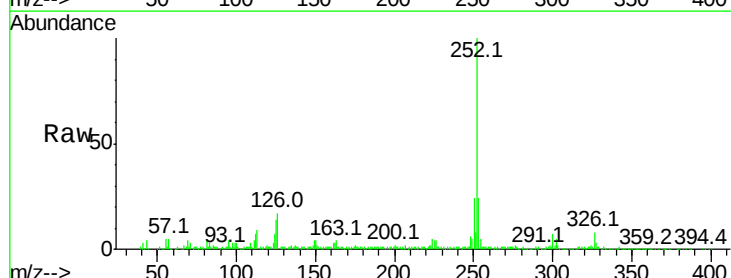
Tgt Ion:252 Resp: 481852

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

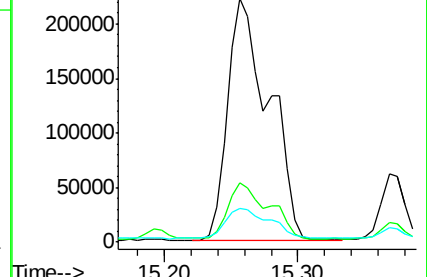
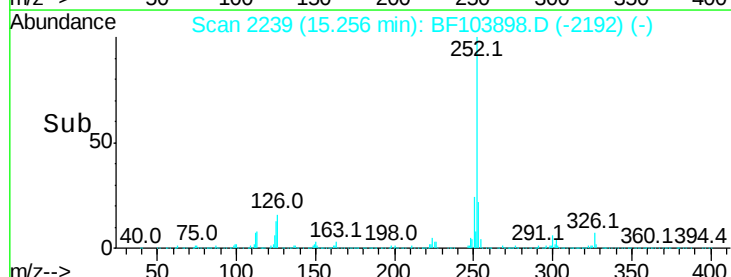
125 14.0 10.2 15.2

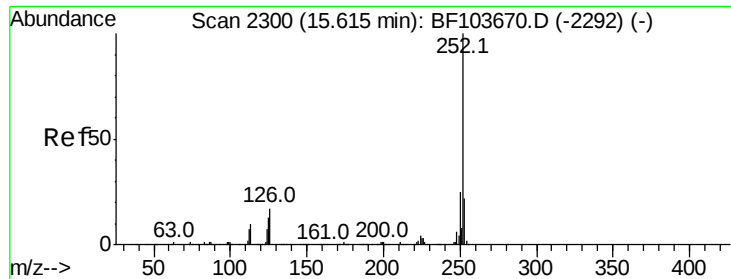


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

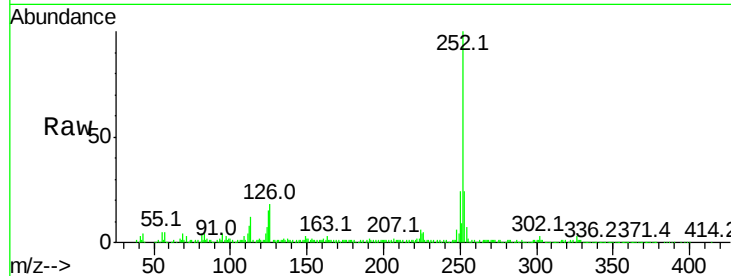




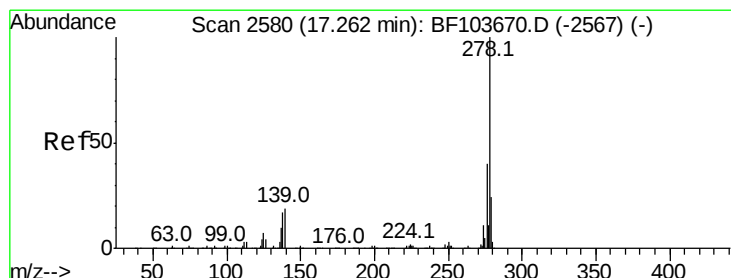
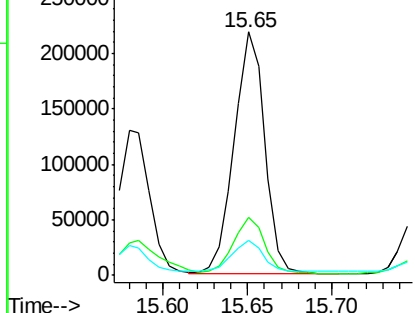
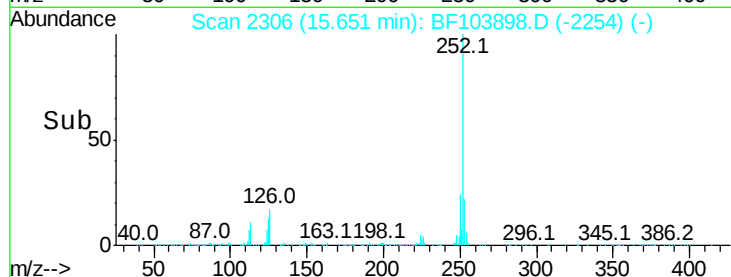
#89
Benzo(a)pyrene
Concen: 24.768 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 275025
Ion Ratio Lower Upper
252 100
253 23.8 17.1 25.7
125 14.6 9.8 14.6

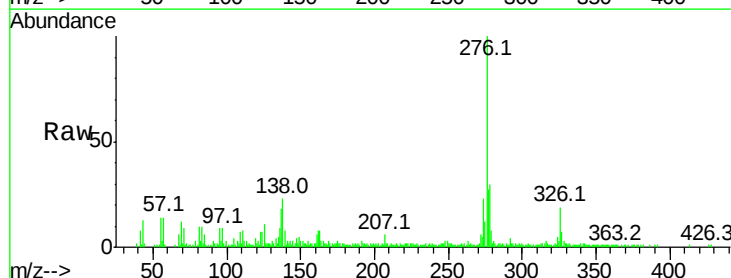


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

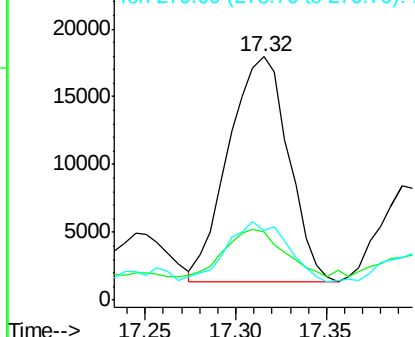
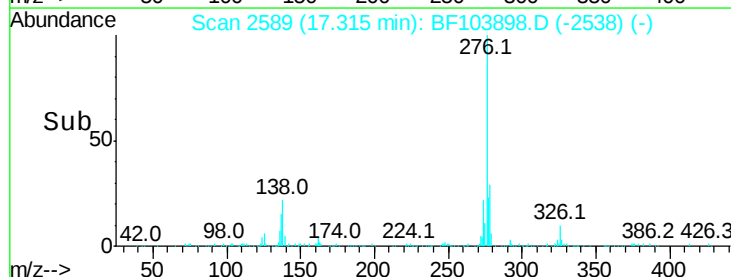


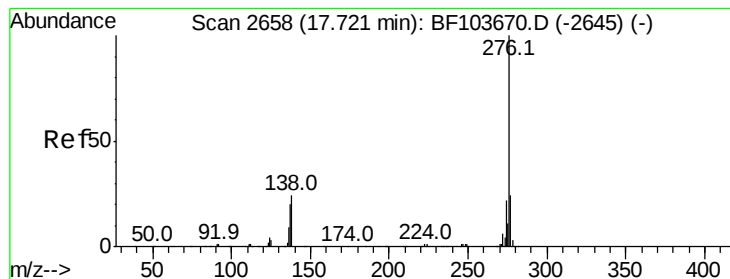
#90
Dibenzo(a,h)anthracene
Concen: 3.983 ng
RT: 17.32 min Scan# 2589
Delta R.T. -0.00 min
Lab File: BF103898.D
Acq: 24 Mar 2018 00:03

Tgt Ion:278 Resp: 38295
Ion Ratio Lower Upper
278 100
139 27.9 15.9 23.9#
279 28.4 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: 14.891 ng

RT: 17.79 min Scan# 2670

Delta R.T. 0.01 min

Lab File: BF103898.D

Acq: 24 Mar 2018 00:03

Instrument :

BNA_F

ClientSampleId :

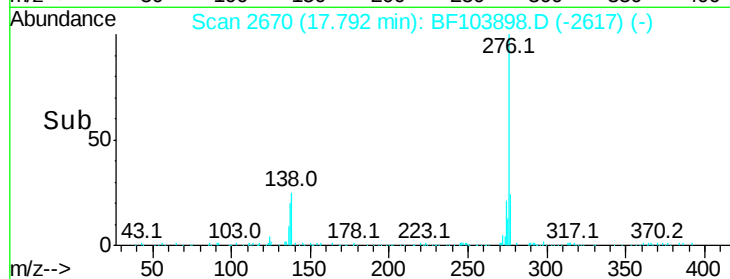
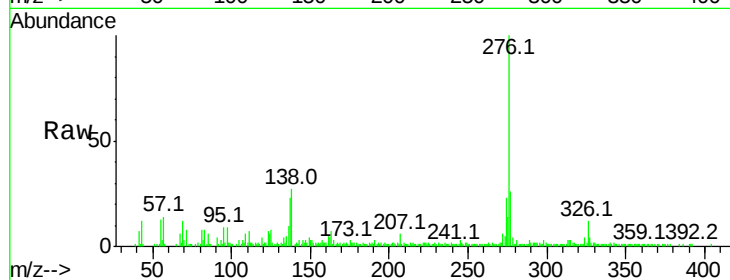
Tot Ion: 276 Resp: 139291

Ion Ratio Lower Upper

276 100

277 26.1 17.9 26.9

138 27.0 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

