

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103897.D
 Acq On : 23 Mar 2018 23:37
 Operator : JU/SJ
 Sample : J1996-04 5X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 24 00:52:40 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	120817	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	457955	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	175594	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	255780	20.00	ng	0.00
75) Chrysene-d12	14.17	240	198470	20.00	ng	0.00
86) Perylene-d12	15.72	264	167131	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	26472	3.33	ng	0.00
7) Phenol-d6	6.59	99	33407	3.44	ng	-0.01
23) Nitrobenzene-d5	7.53	82	16301	2.48	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	5455	3.61	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	32720	2.97	ng	0.00
78) Terphenyl-d14	13.09	244	26772	3.13	ng	0.00

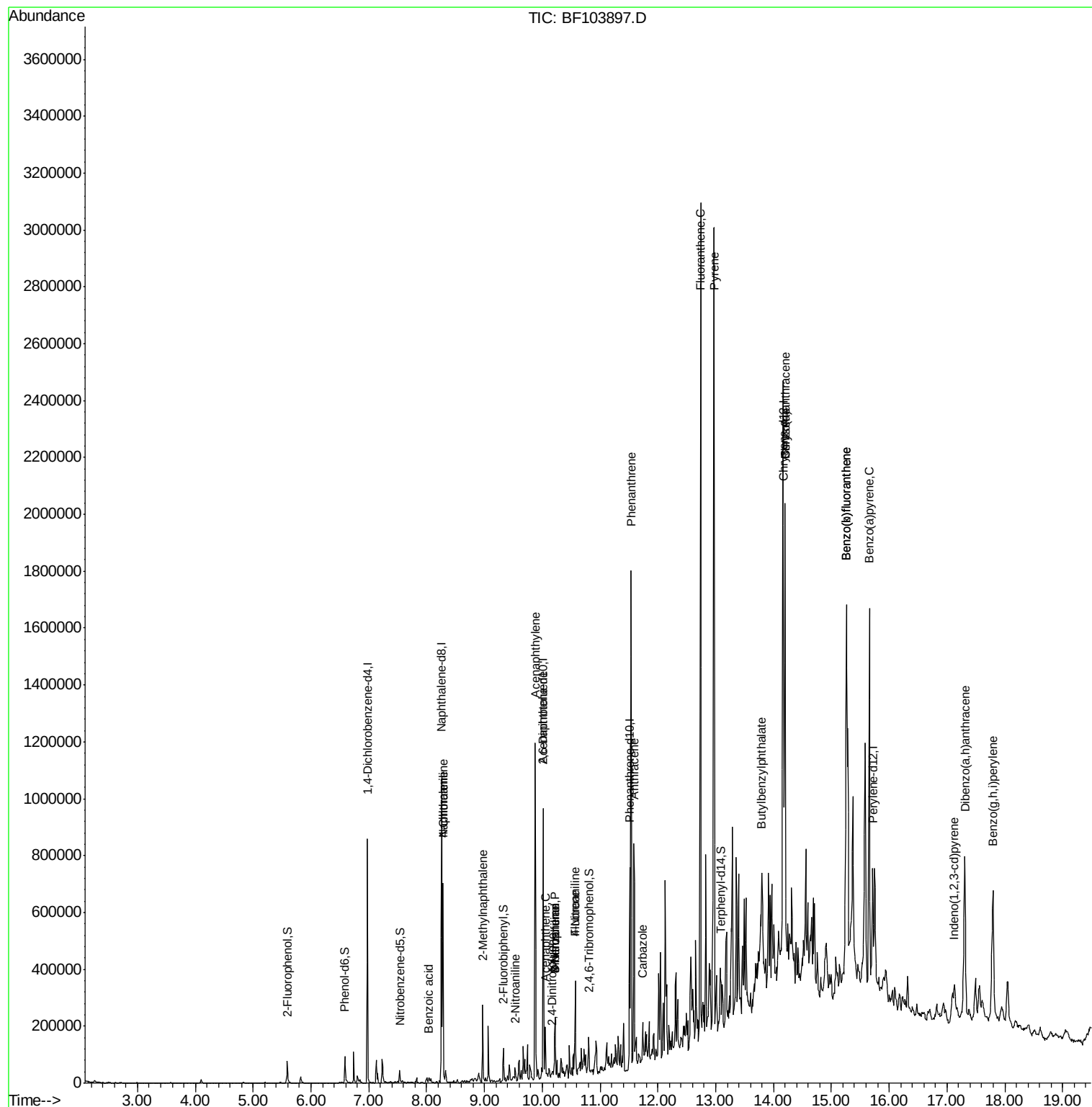
Target Compounds				Qvalue		
31) Naphthalene	8.28	128	286307	12.376	ng	99
32) Benzoic acid	8.03	122	487	9.989	ng	# 37
33) 4-Chloroaniline	8.28	127	37329	3.846	ng	# 35
37) 2-Methylnaphthalene	8.97	142	67149	4.577	ng	99
47) 2-Nitroaniline	9.53	65	275	6.892	ng	# 2
48) Acenaphthylene	9.88	152	502812	27.882	ng	99
50) 2,6-Dinitrotoluene	10.02	165	24703	12.725	ng	# 26
51) Acenaphthene	10.05	154	34253	3.199	ng	97
52) 3-Nitroaniline	10.22	138	1170	4.161	ng	# 22
54) Dibenzofuran	10.22	168	72345	4.731	ng	98
55) 4-Nitrophenol	10.22	139	28000	15.676	ng	# 11
56) 2,4-Dinitrotoluene	10.17	165	2167	6.788	ng	# 62
57) Fluorene	10.57	166	111881	9.428	ng	97
61) 4-Nitroaniline	10.56	138	1344	4.164	ng	# 19
70) Phenanthrene	11.54	178	631901	45.162	ng	98
71) Anthracene	11.59	178	301412	21.210	ng	99
72) Carbazole	11.74	167	42703	3.092	ng	99
74) Fluoranthene	12.74	202	1230542	85.367	ng	99
77) Pyrene	12.97	202	1294111	88.787	ng	99
79) Butylbenzylphthalate	13.80	149	50408	7.806	ng	# 41
80) Benzo(a)anthracene	14.20	228	655494	52.176	ng	95
82) Chrysene	14.20	228	655494	54.735	ng	98
85) Indeno(1,2,3-cd)pyrene	17.13	276	79242	7.577	ng	97
87) Benzo(b)fluoranthene	15.26	252	1114569	105.557	ng	# 96
88) Benzo(k)fluoranthene	15.26	252	1114569	109.810	ng	99
89) Benzo(a)pyrene	15.66	252	641626	66.996	ng	96
90) Dibenzo(a,h)anthracene	17.32	278	102166	12.320	ng	96
91) Benzo(g,h,i)perylene	17.79	276	395793	49.060	ng	96

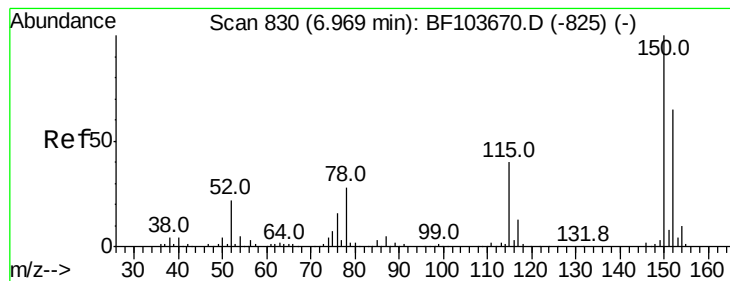
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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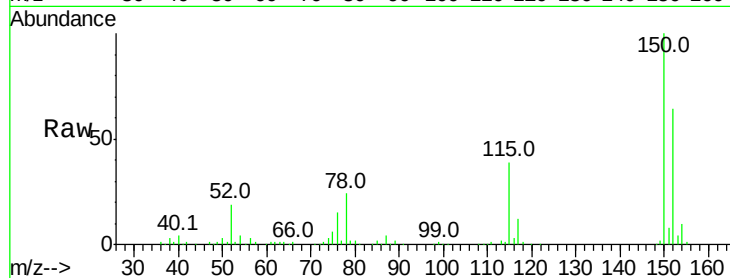


#1

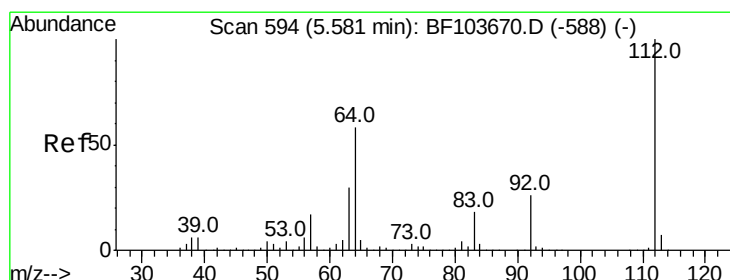
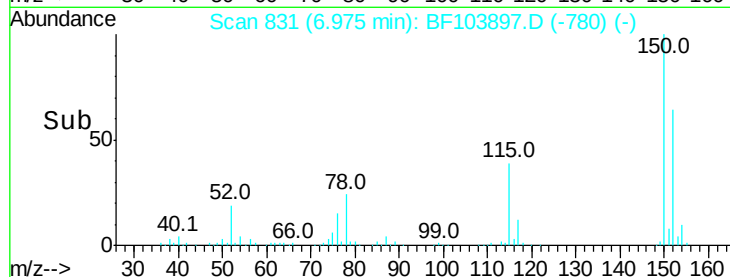
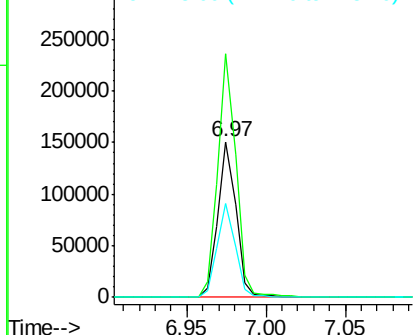
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 120817
Ion Ratio Lower Upper
152 100
150 156.3 124.6 186.8
115 60.3 50.1 75.1



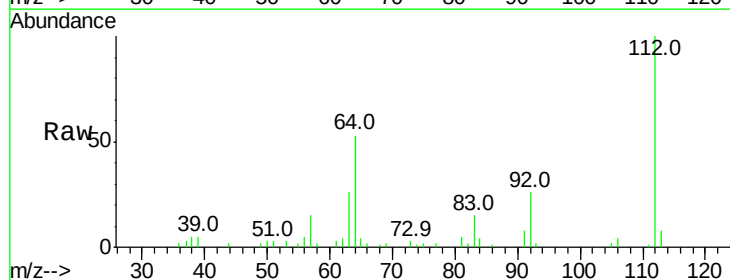
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



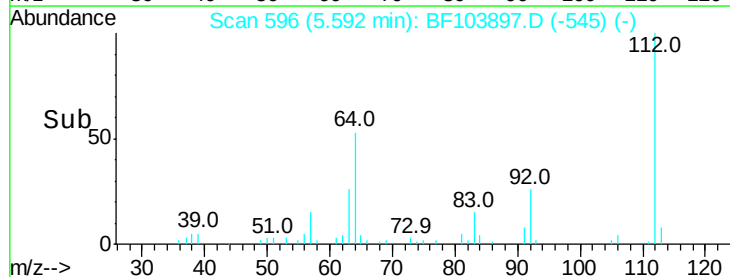
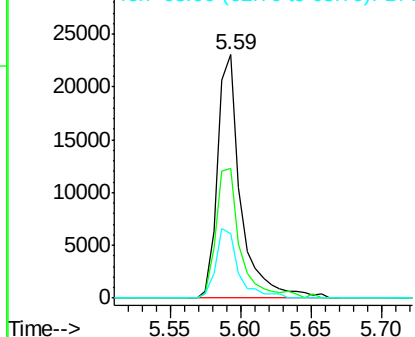
#5

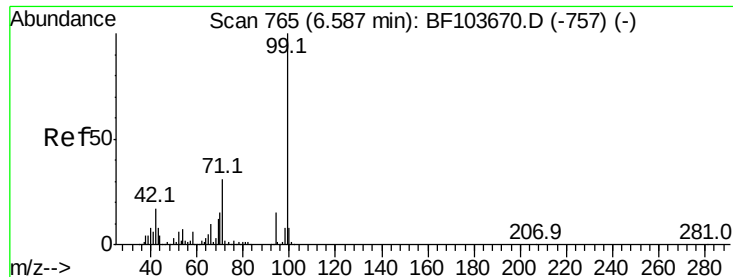
2-Fluorophenol
Concen: 3.333 ng
RT: 5.59 min Scan# 596
Delta R.T. -0.00 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Tgt Ion:112 Resp: 26472
Ion Ratio Lower Upper
112 100
64 53.4 47.9 71.9
63 26.2 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: 3.438 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.01 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampleId :

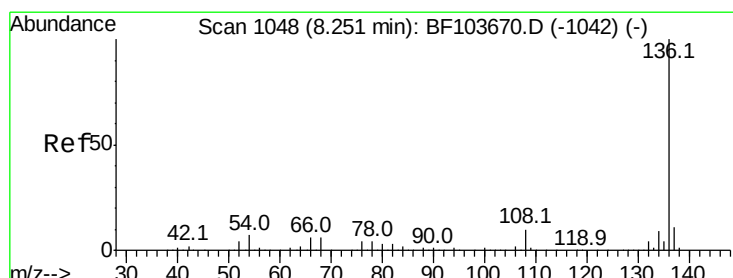
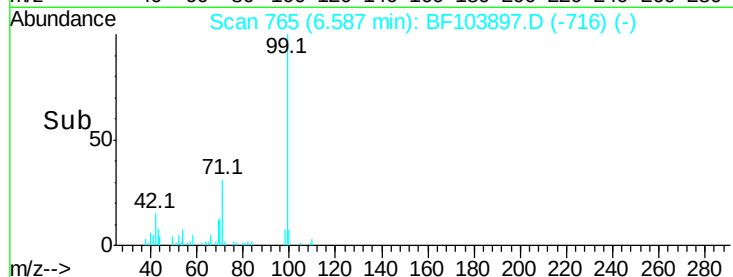
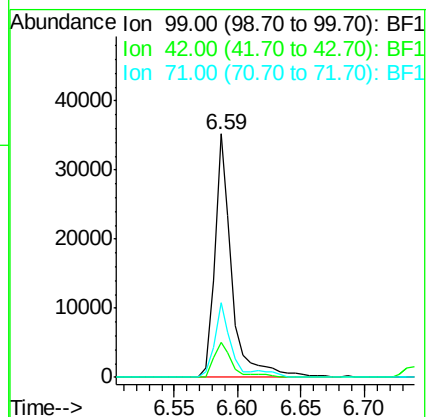
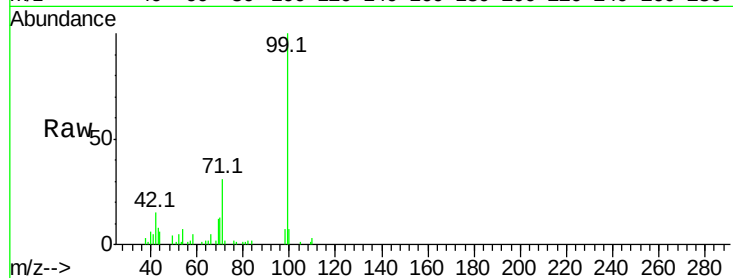
Tot Ion: 99 Resp: 33407

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

71 30.6 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Tgt Ion: 136 Resp: 457955

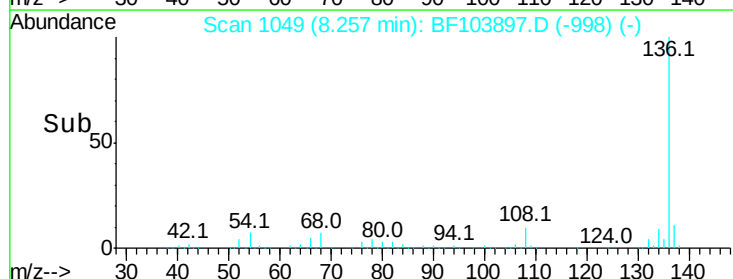
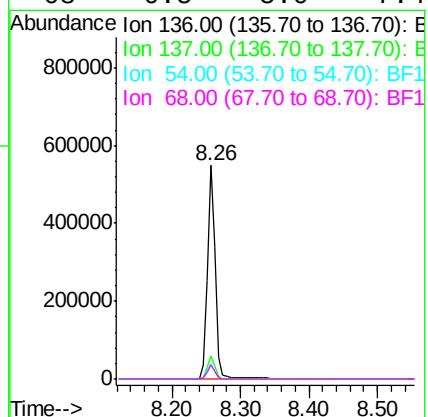
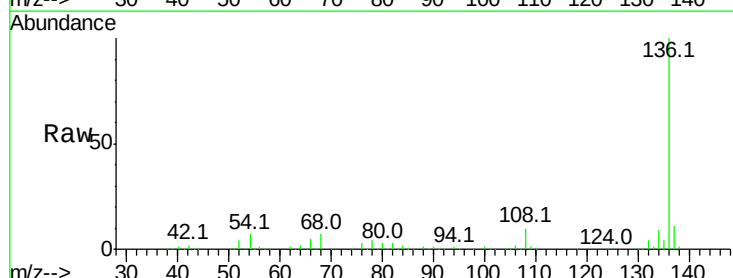
Ion Ratio Lower Upper

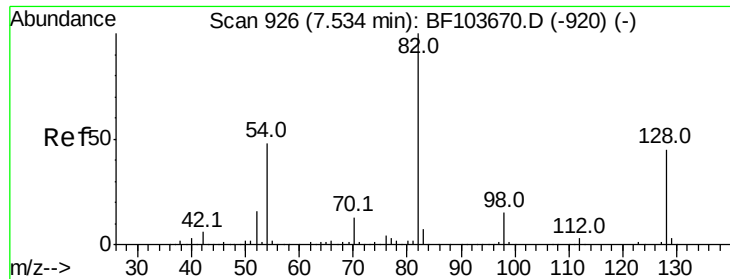
136 100

137 11.0 8.9 13.3

54 7.1 6.6 9.8

68 6.5 5.0 7.4

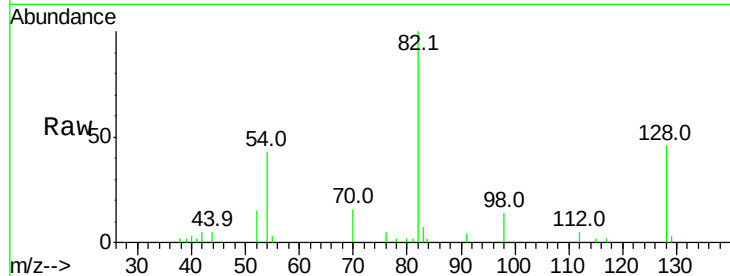




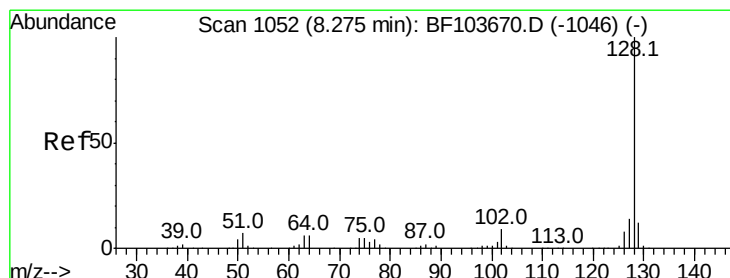
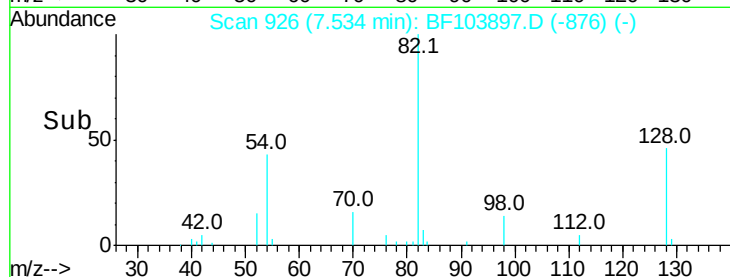
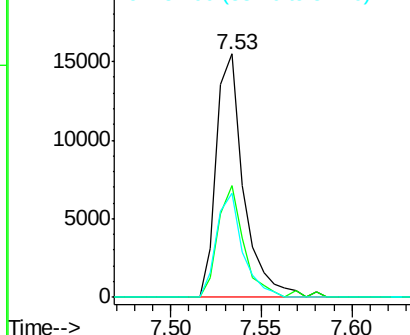
#23
 Nitrobenzene-d5
 Concen: 2.482 ng
 RT: 7.53 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 16301
 Ion Ratio Lower Upper
 82 100
 128 46.1 36.1 54.1
 54 42.6 41.4 62.2

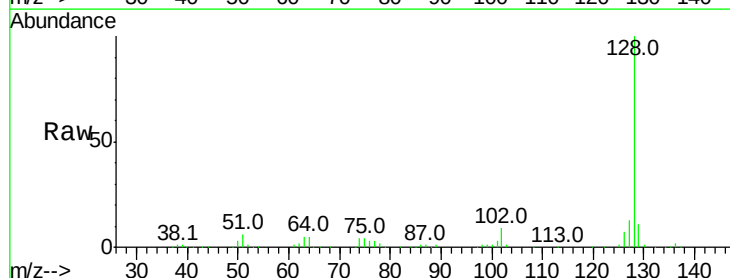


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

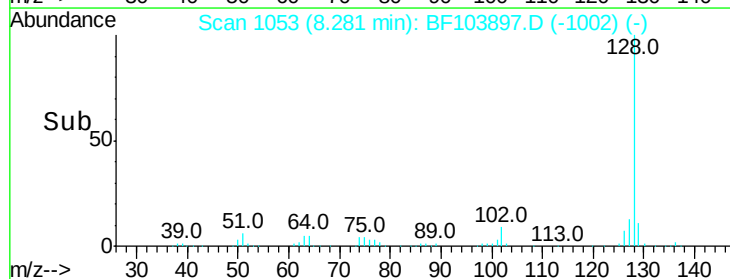
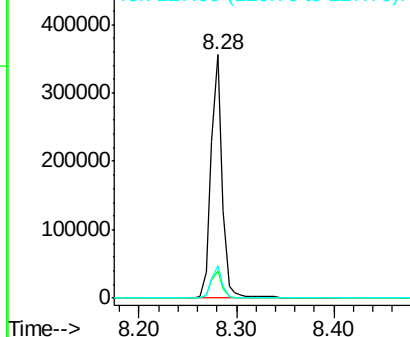


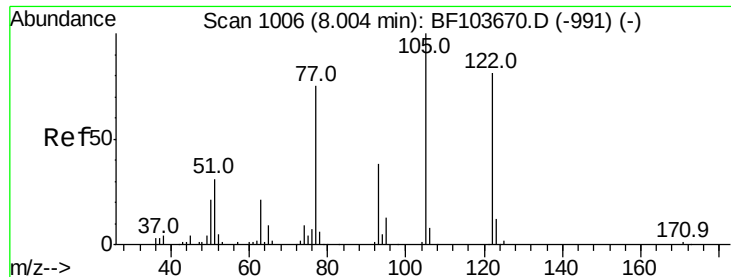
#31
 Naphthalene
 Concen: 12.376 ng
 RT: 8.28 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

Tgt Ion: 128 Resp: 286307
 Ion Ratio Lower Upper
 128 100
 129 11.1 8.8 13.2
 127 13.3 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: 9.989 ng

RT: 8.03 min Scan# 1010

Delta R.T. 0.01 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampleId :

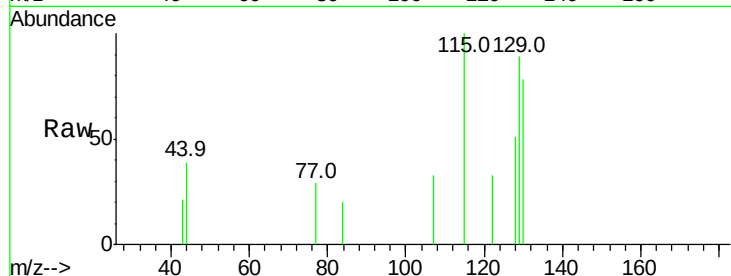
Tot Ion:122 Resp: 487

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

77 89.1 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

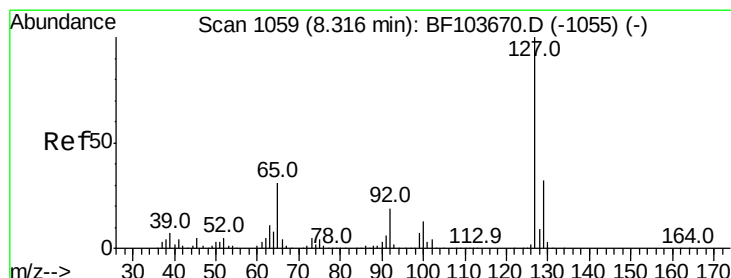
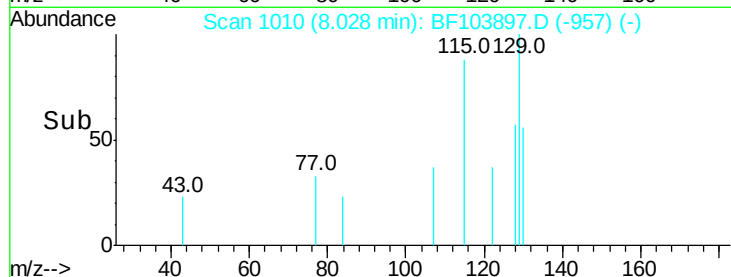
8.03

400

200

0

Time--> 8.00 8.02 8.04 8.06



#33

4-Chloroaniline

Concen: 3.846 ng

RT: 8.28 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Tgt Ion:127 Resp: 37329

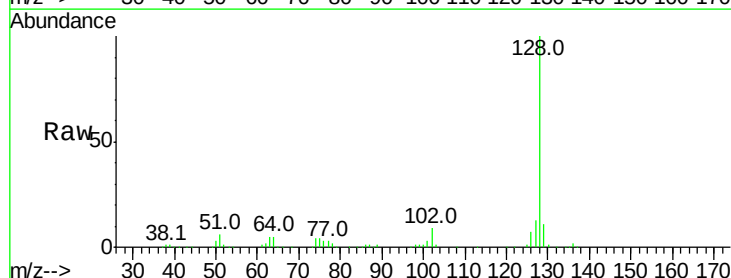
Ion Ratio Lower Upper

127 100

129 83.6 25.9 38.9#

65 2.3 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

8.28

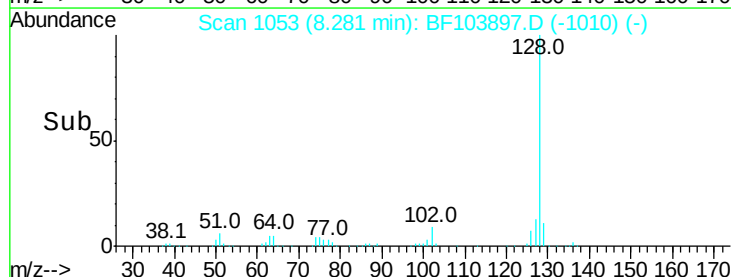
60000

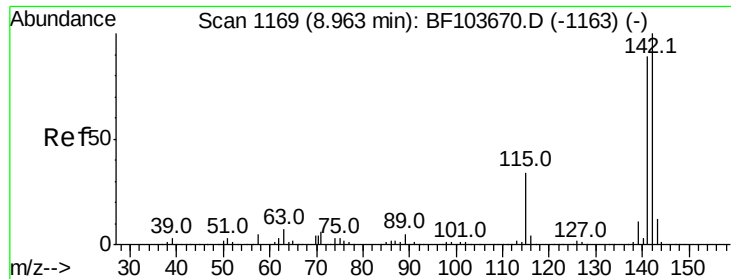
40000

20000

0

Time--> 8.25 8.30 8.35

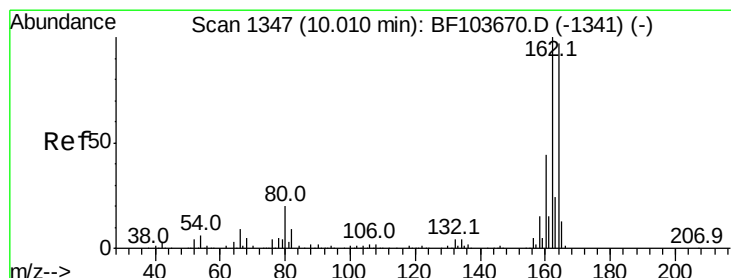
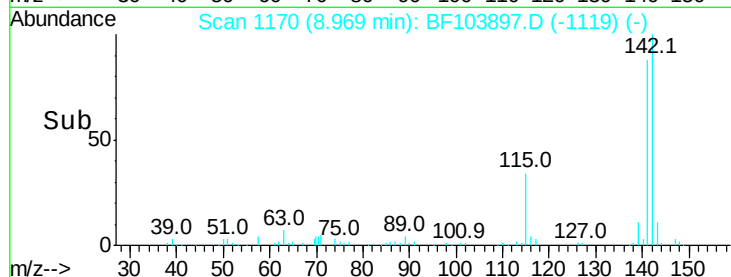
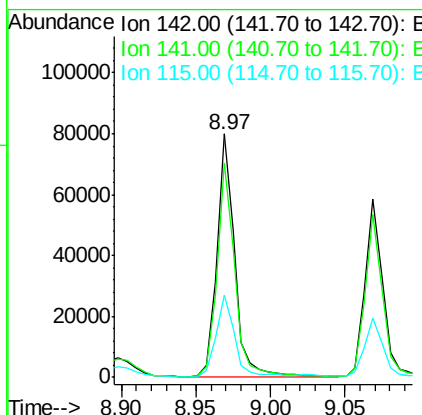
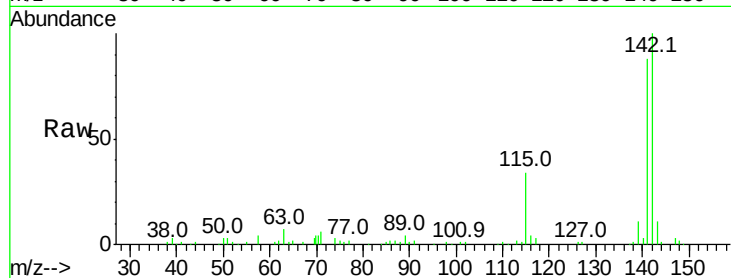




#37
 2-Methylnaphthalene
 Concen: 4.577 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

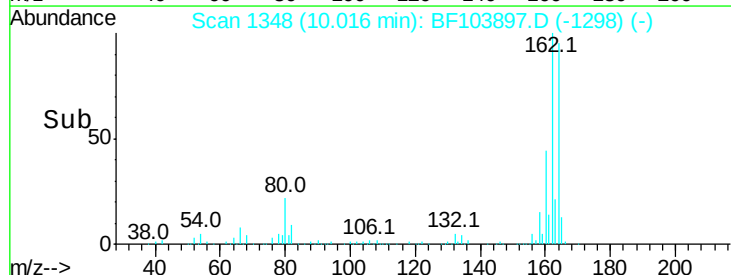
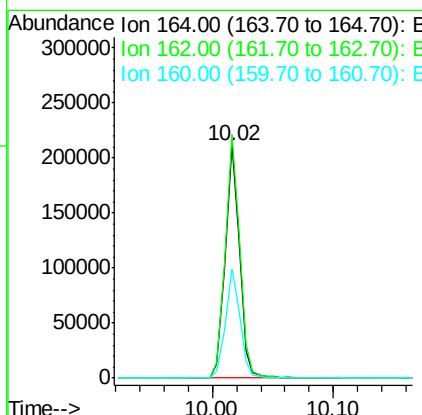
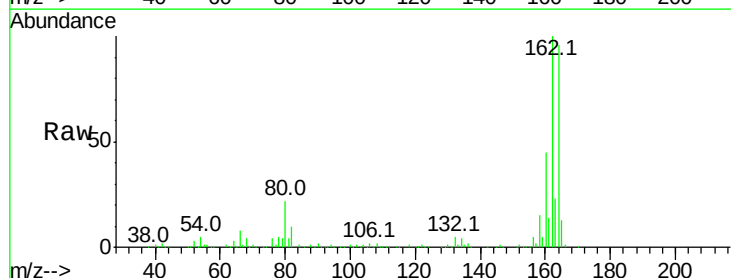
Instrument :
 BNA_F
 ClientSampleId :

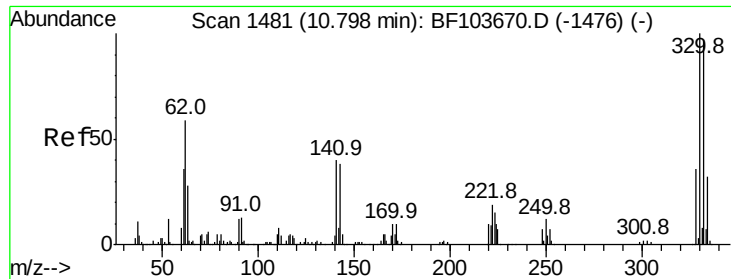
Tot Ion:142 Resp: 67149
 Ion Ratio Lower Upper
 142 100
 141 87.9 70.8 106.2
 115 33.9 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. -0.01 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

Tgt Ion:164 Resp: 175594
 Ion Ratio Lower Upper
 164 100
 162 104.6 86.1 129.1
 160 46.7 38.3 57.5





#41

2,4,6-Tribromophenol

Concen: 3.613 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampleId :

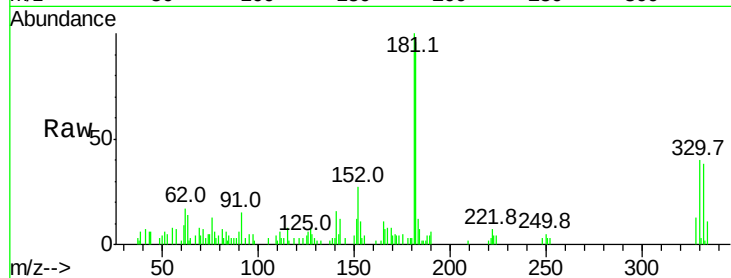
Tot Ion:330 Resp: 5455

Ion Ratio Lower Upper

330 100

332 93.4 77.0 115.6

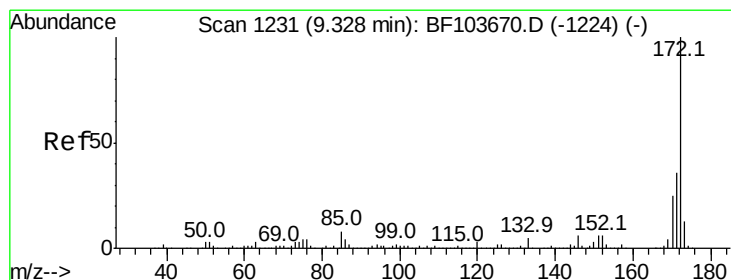
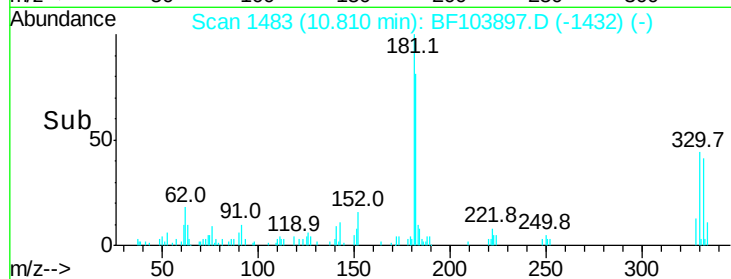
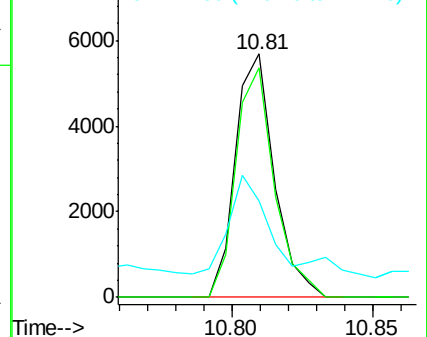
141 49.0 29.9 44.9#



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: 2.972 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

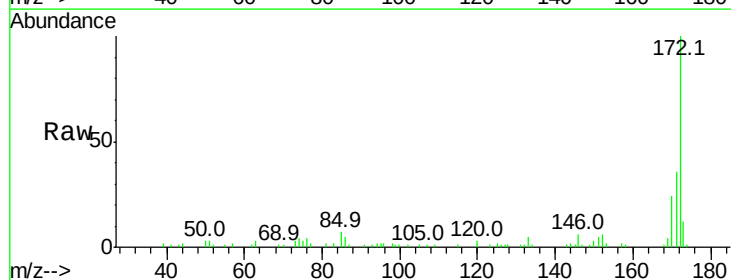
Tgt Ion:172 Resp: 32720

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

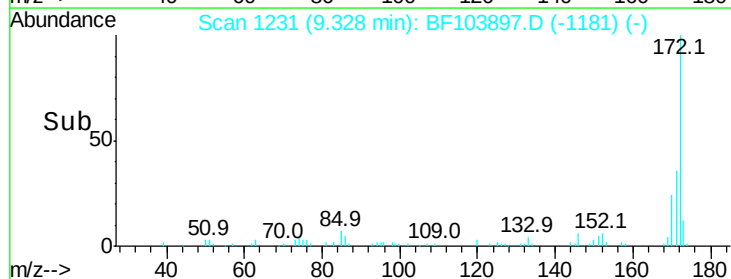
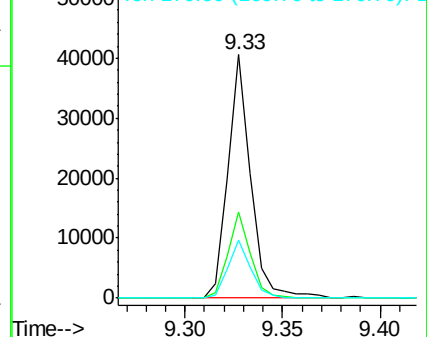
170 23.6 19.6 29.4

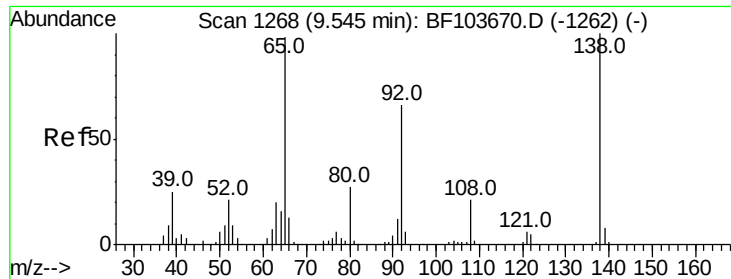


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

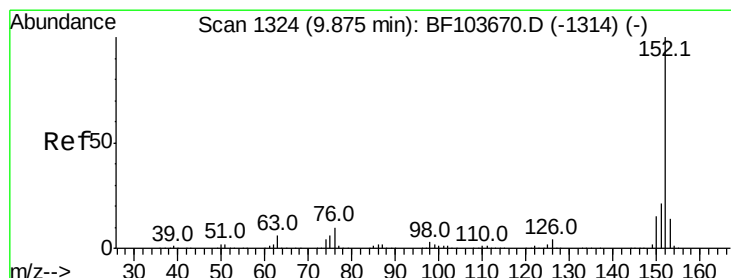
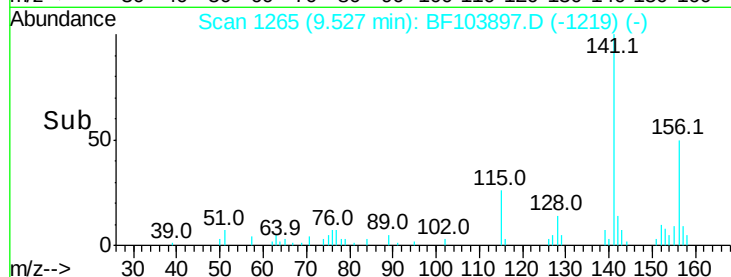
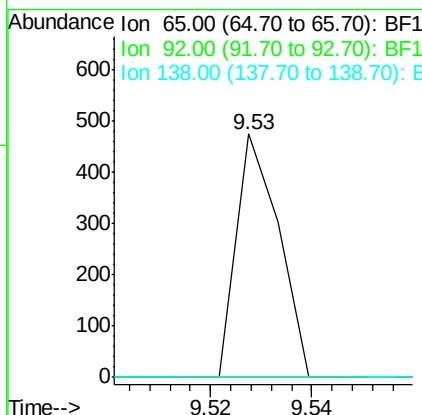
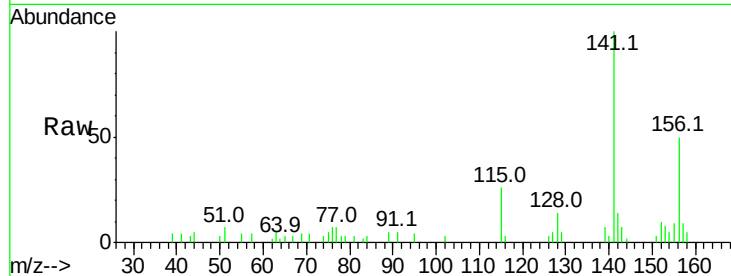




#47
2-Nitroaniline
Concen: 6.892 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

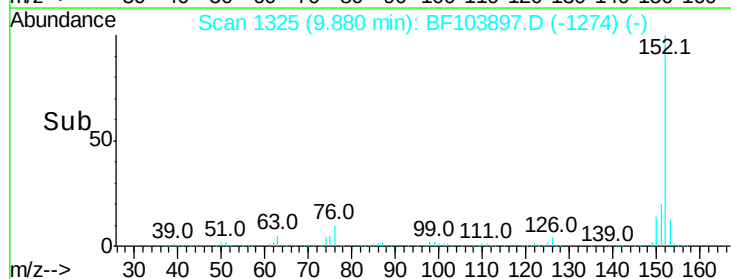
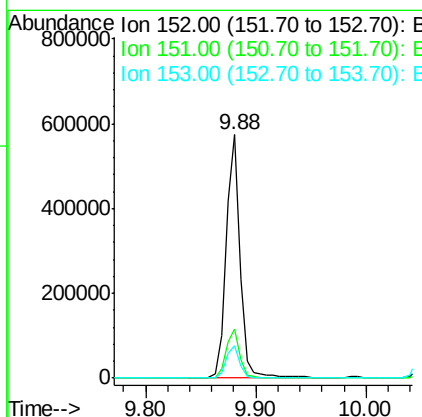
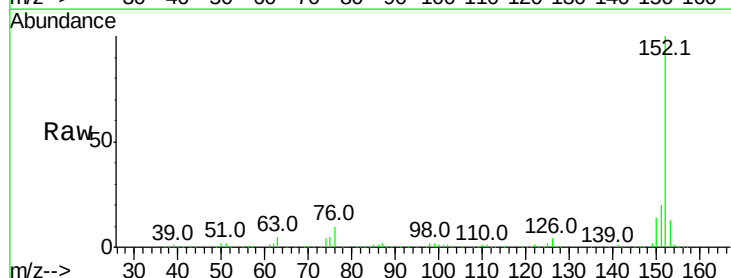
Instrument :
BNA_F
ClientSampleId :

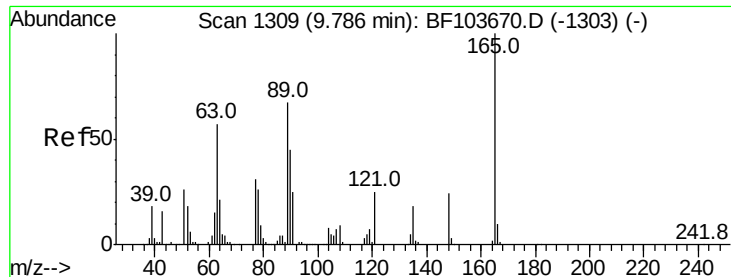
Tot Ion: 65 Resp: 275
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#48
Acenaphthylene
Concen: 27.882 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Tgt Ion: 152 Resp: 502812
Ion Ratio Lower Upper
152 100
151 20.1 16.3 24.5
153 13.2 10.7 16.1

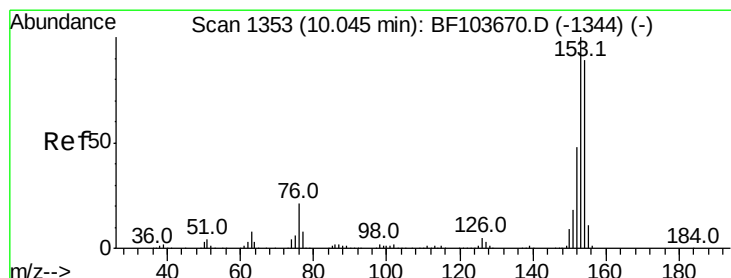
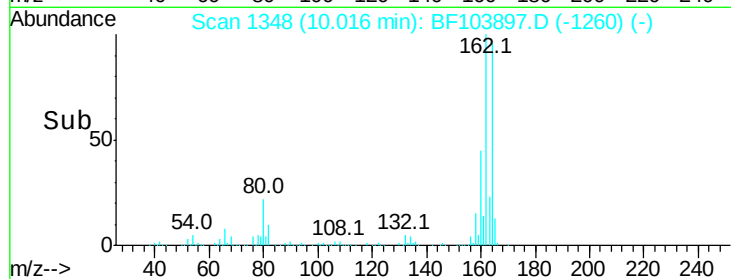
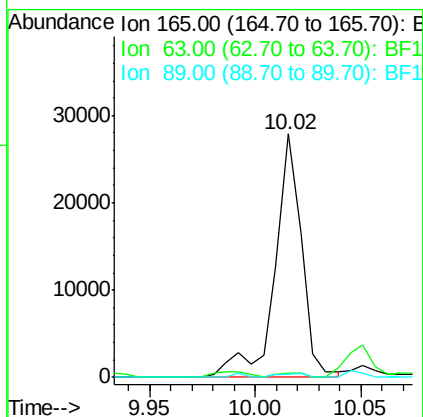
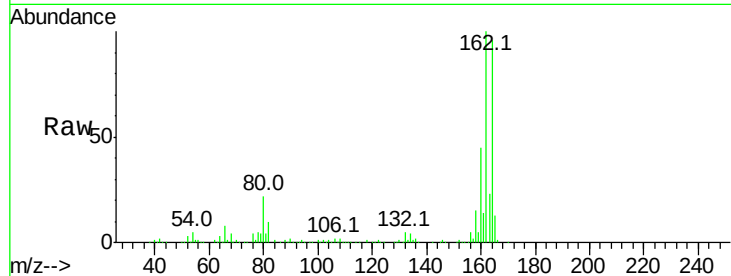




#50
 2,6-Dinitrotoluene
 Concen: 12.725 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.22 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

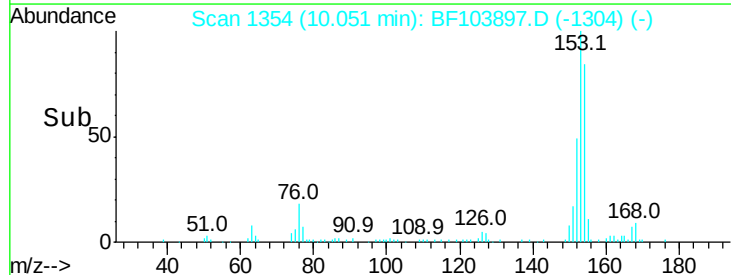
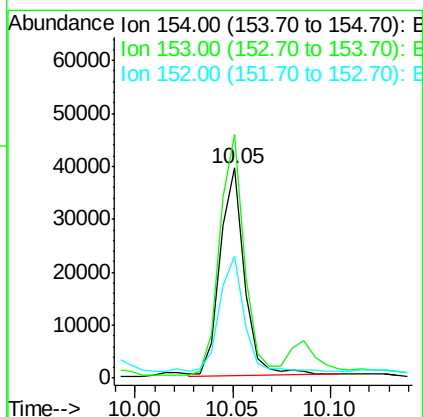
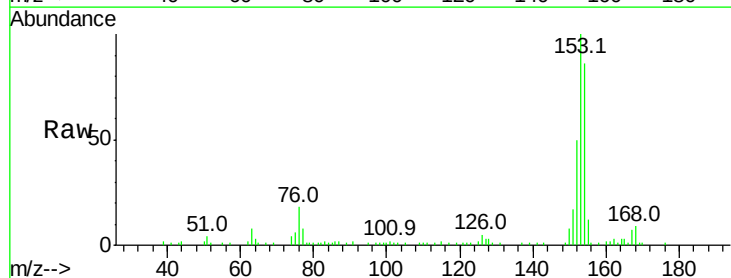
Instrument :
 BNA_F
 ClientSampleId :

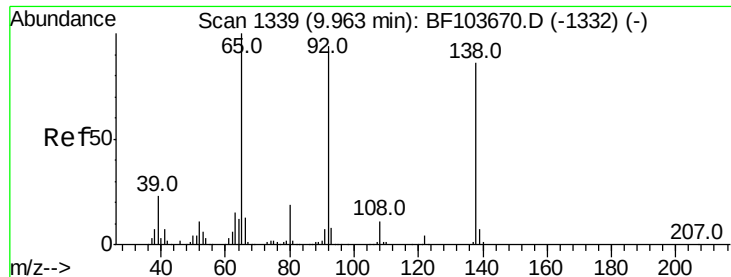
Tot Ion:165 Resp: 24703
 Ion Ratio Lower Upper
 165 100
 63 1.7 44.7 67.1#
 89 1.1 44.0 66.0#



#51
 Acenaphthene
 Concen: 3.199 ng
 RT: 10.05 min Scan# 1354
 Delta R.T. -0.01 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

Tgt Ion:154 Resp: 34253
 Ion Ratio Lower Upper
 154 100
 153 116.1 91.2 136.8
 152 58.3 43.8 65.8





#52

3-Nitroaniline

Concen: 4.161 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.25 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampleId :

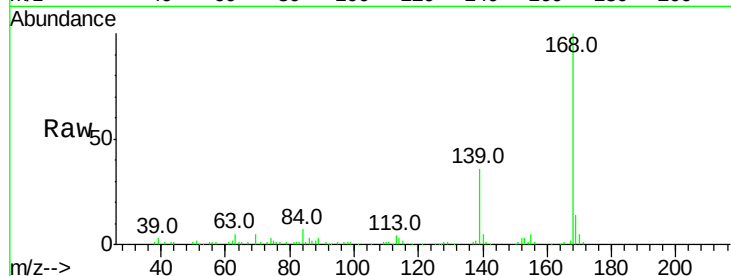
Tot Ion:138 Resp: 1170

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

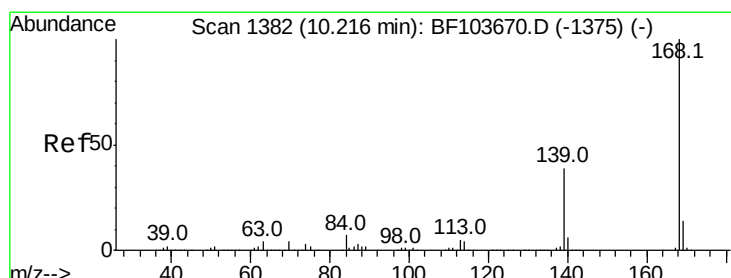
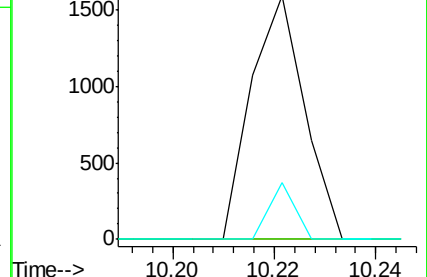
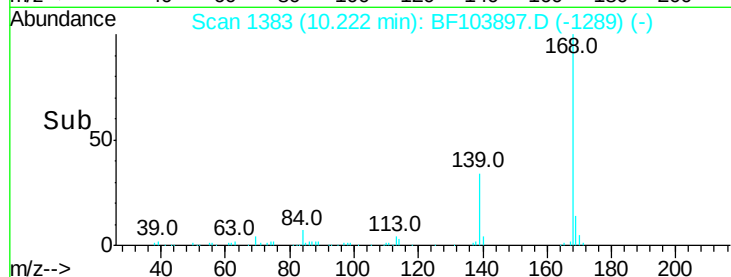
92 23.2 89.4 134.2#



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: 4.731 ng

RT: 10.22 min Scan# 1383

Delta R.T. -0.01 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

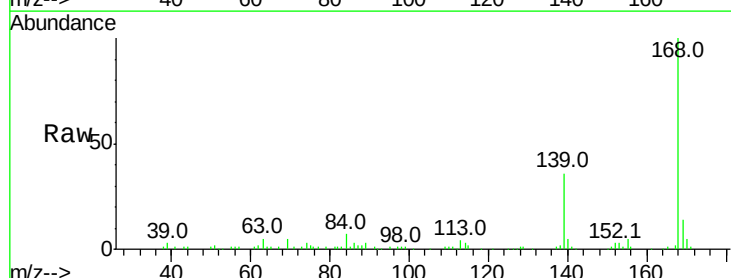
Tgt Ion:168 Resp: 72345

Ion Ratio Lower Upper

168 100

139 36.0 30.1 45.1

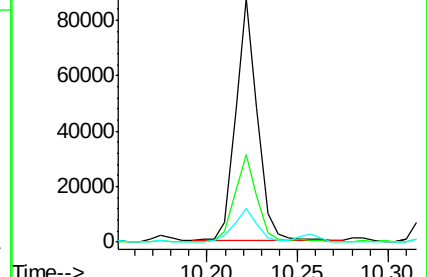
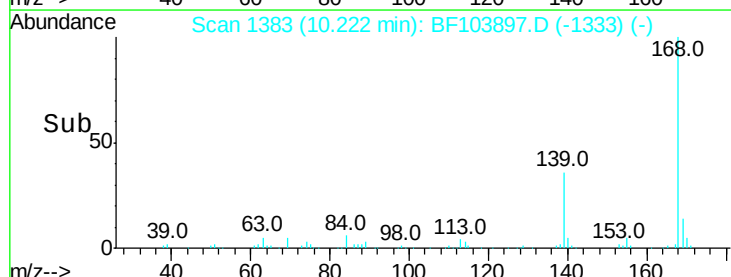
169 13.8 10.9 16.3

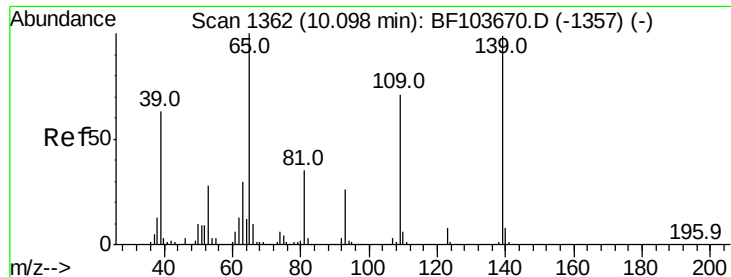


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 15.676 ng

RT: 10.22 min Scan# 1383

Delta R.T. 0.10 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampleId :

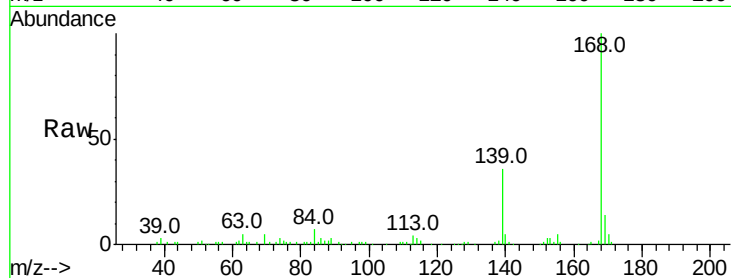
Tot Ion:139 Resp: 28000

Ion Ratio Lower Upper

139 100

109 2.0 48.4 88.4#

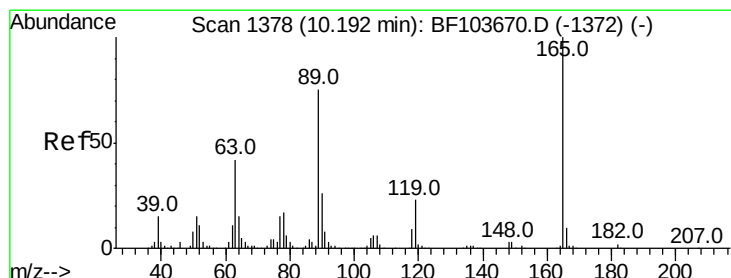
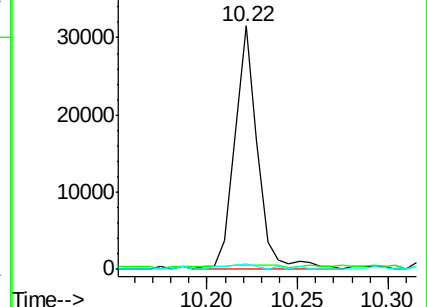
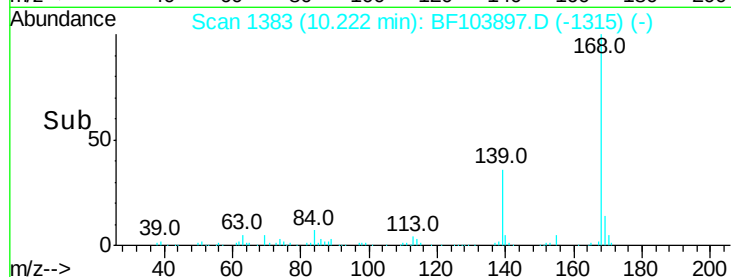
65 2.1 72.6 112.6#



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: 6.788 ng

RT: 10.17 min Scan# 1375

Delta R.T. -0.03 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Tgt Ion:165 Resp: 2167

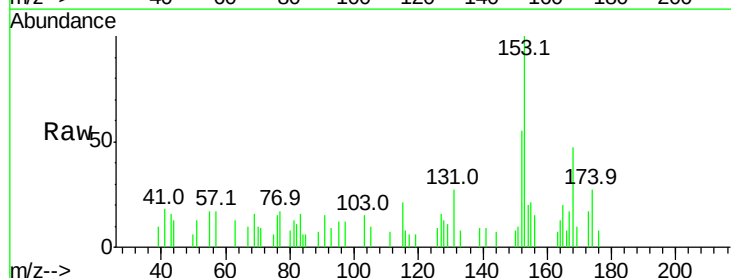
Ion Ratio Lower Upper

165 100

63 64.9 36.4 54.6#

89 35.5 57.8 86.6#

182 0.0 1.6 2.4#

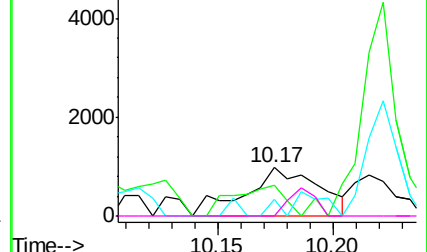
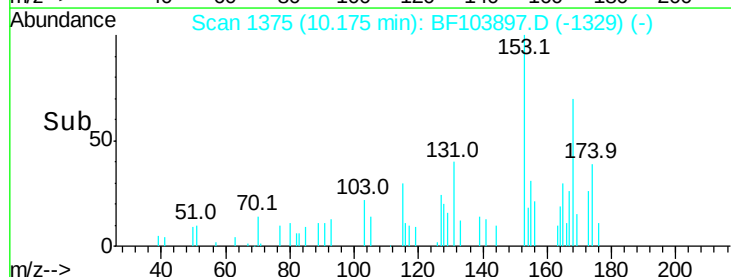


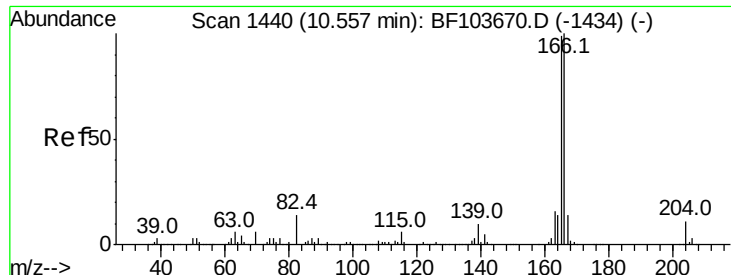
Abundance Ion 165.00 (164.70 to 165.70): E

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

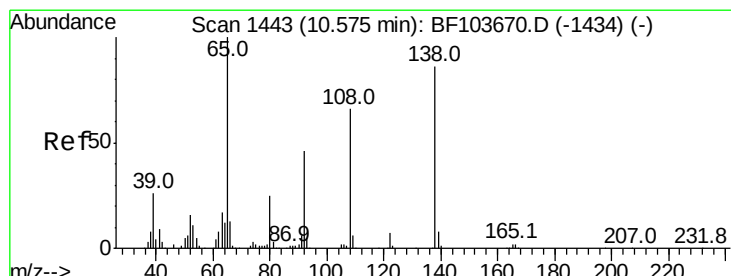
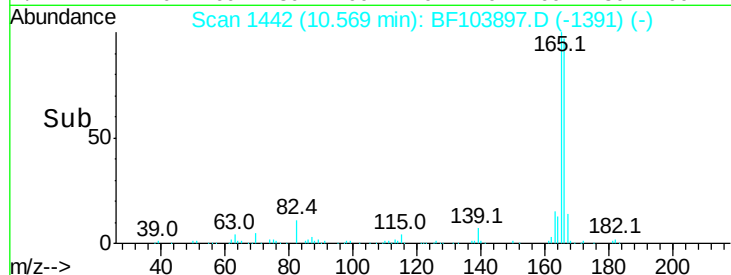
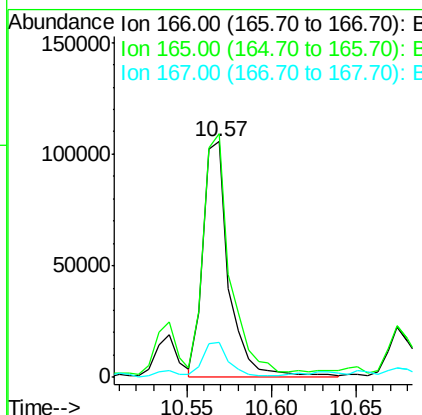
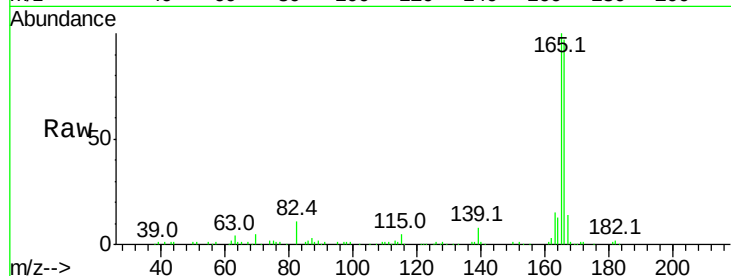




#57
Fluorene
 Concen: 9.428 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. -0.00 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

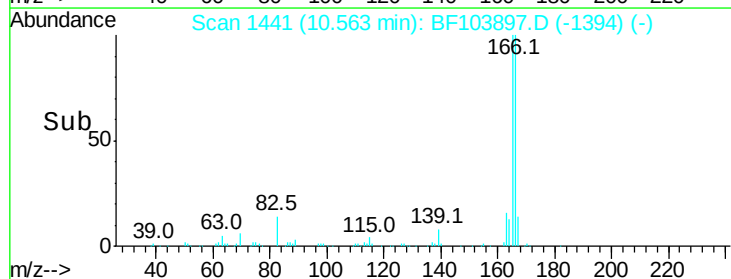
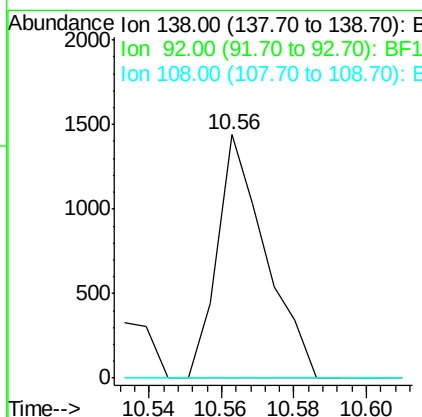
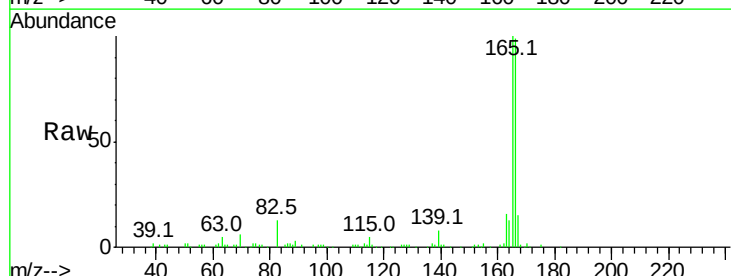
Instrument :
 BNA_F
 ClientSampled :

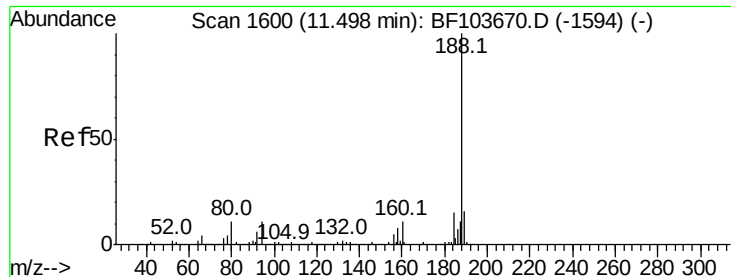
Tot Ion	Ratio	Lower	Upper
166	100		
165	103.3	79.8	119.8
167	14.7	10.6	16.0



#61
4-Nitroaniline
 Concen: 4.164 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.02 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

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

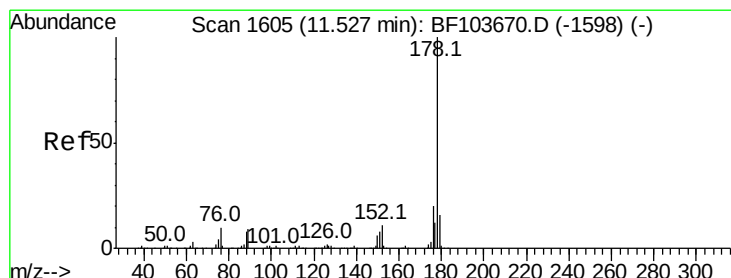
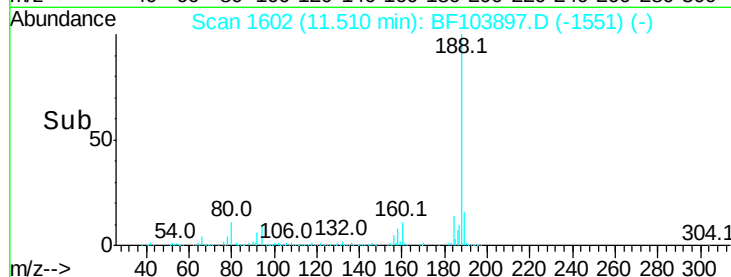
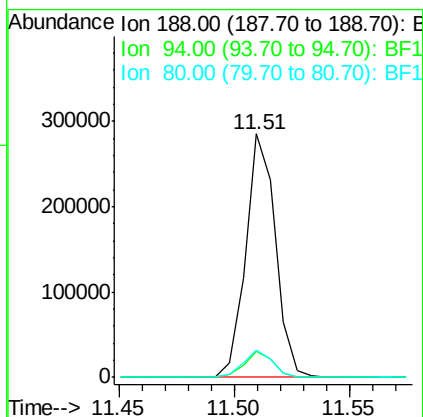
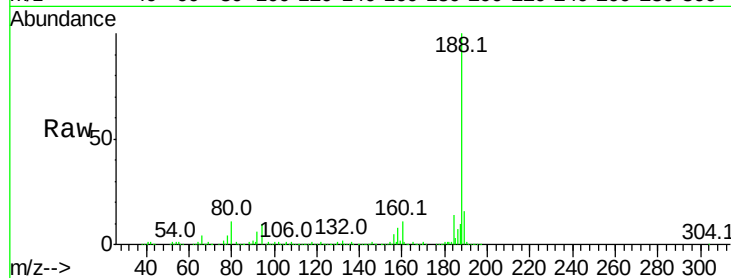




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

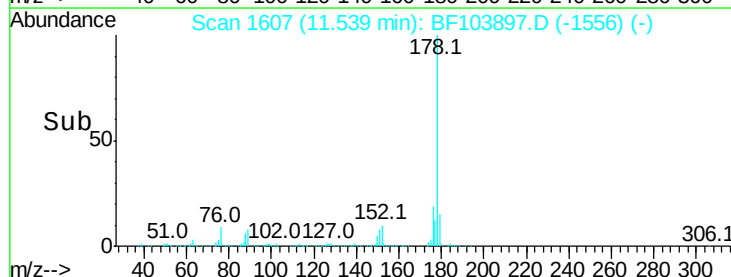
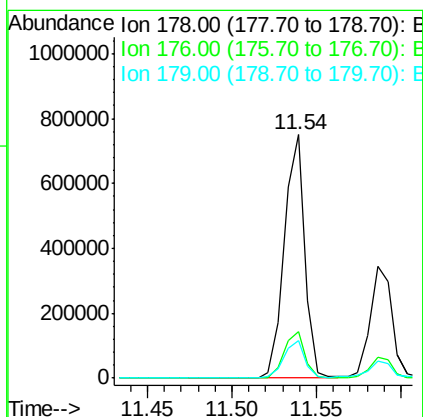
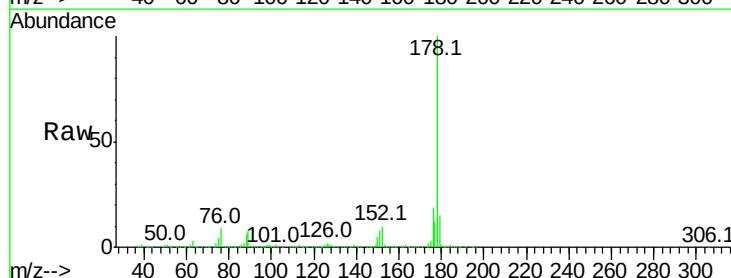
Instrument :
BNA_F
ClientSampleId :

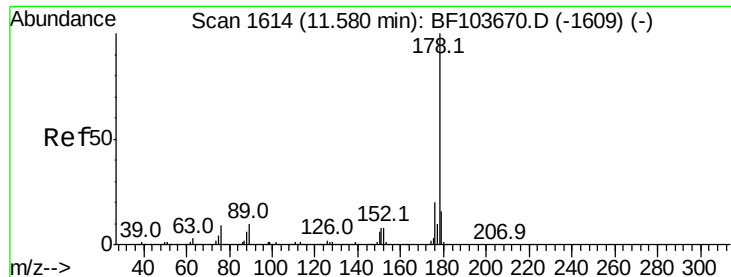
Tot Ion:188 Resp: 255780
Ion Ratio Lower Upper
188 100
94 10.5 8.5 12.7
80 11.4 9.2 13.8



#70
Phenanthrene
Concen: 45.162 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Tgt Ion:178 Resp: 631901
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.3 13.0 19.6

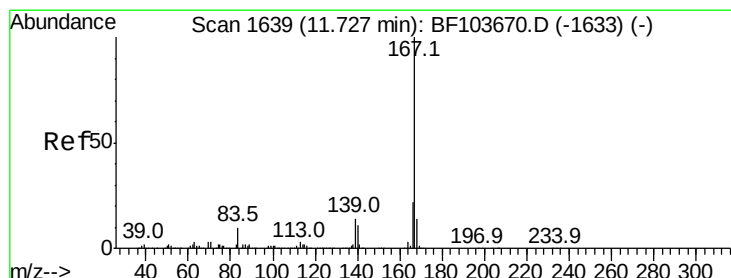
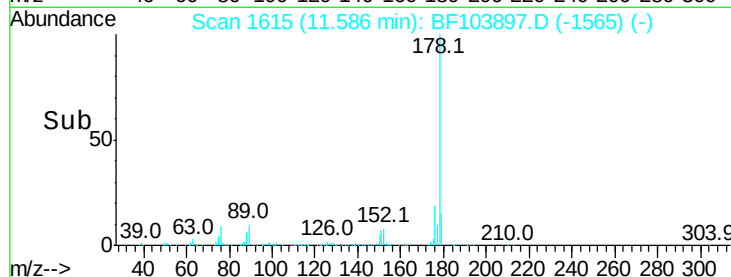
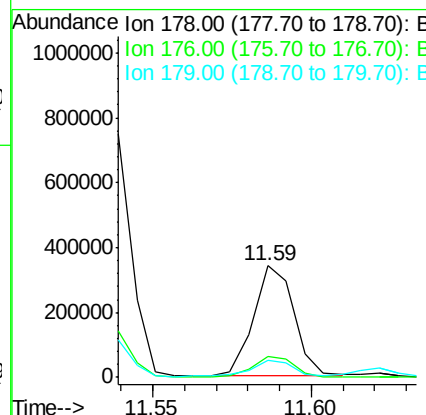
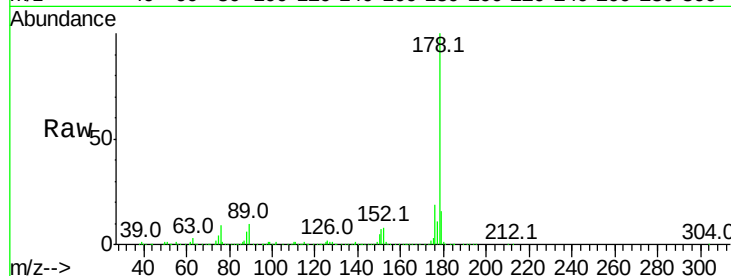




#71
 Anthracene
 Concen: 21.210 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

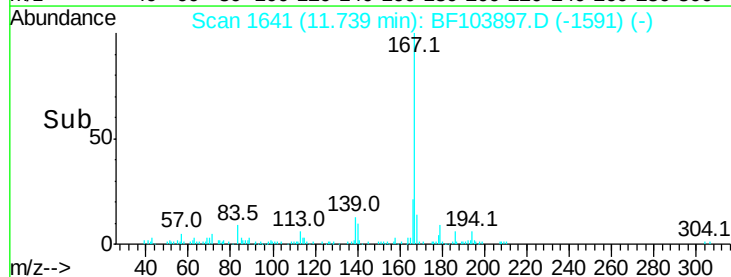
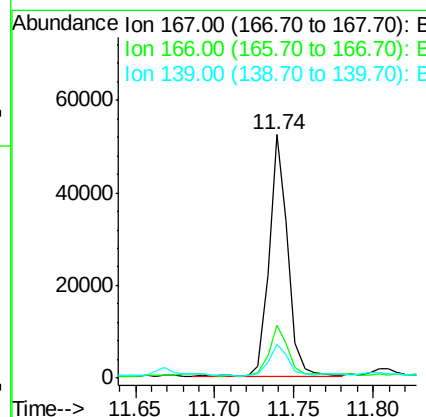
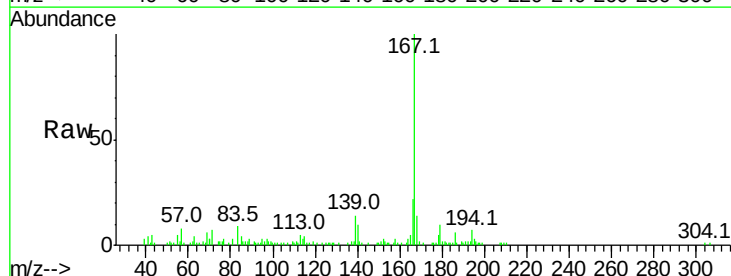
Instrument :
 BNA_F
 ClientSampleId :

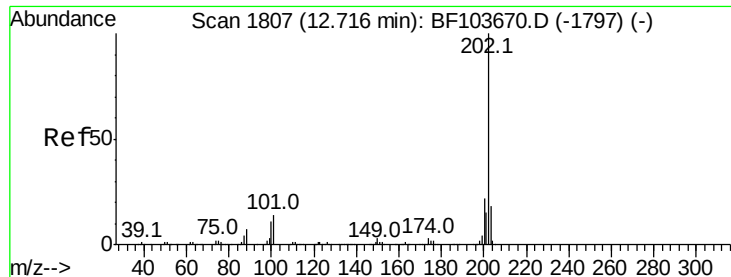
Tot Ion:178 Resp: 301412
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.4 23.2
 179 15.7 12.6 19.0



#72
 Carbazole
 Concen: 3.092 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. -0.01 min
 Lab File: BF103897.D
 Acq: 23 Mar 2018 23:37

Tgt Ion:167 Resp: 42703
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.6 26.4
 139 14.0 10.9 16.3





#74

Fluoranthene

Concen: 85.367 ng

RT: 12.74 min Scan# 1811

Delta R.T. 0.01 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampleId :

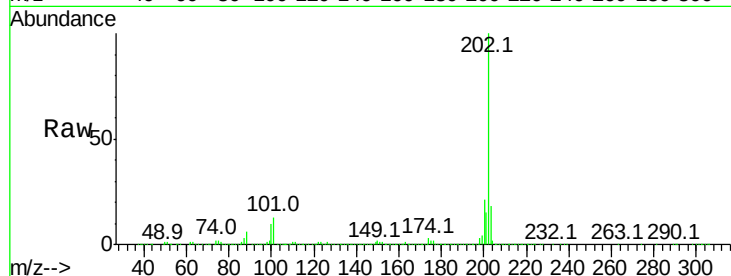
Tot Ion:202 Resp: 1230542

Ion Ratio Lower Upper

202 100

101 13.0 0.0 34.1

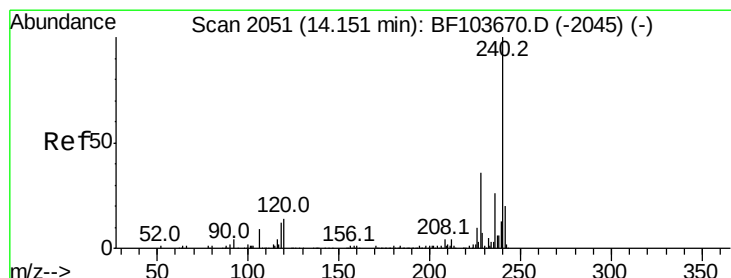
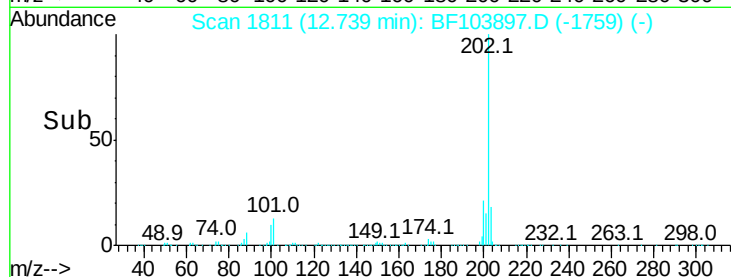
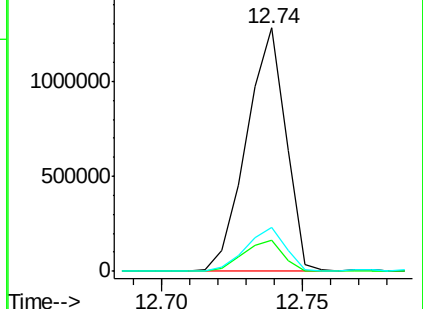
203 18.2 0.0 38.1



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# 2055

Delta R.T. 0.01 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

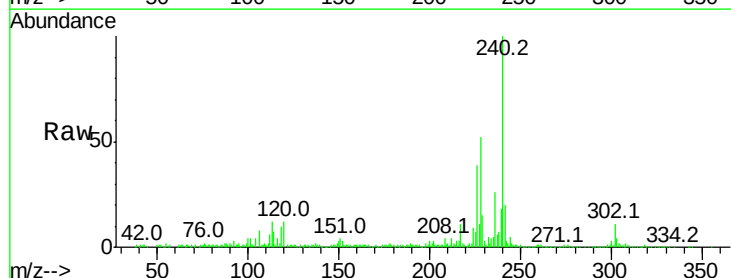
Tgt Ion:240 Resp: 198470

Ion Ratio Lower Upper

240 100

120 11.9 9.5 14.3

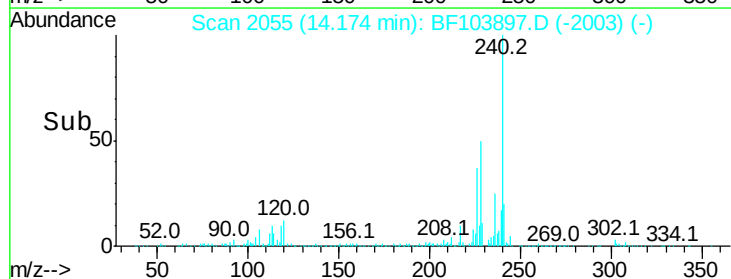
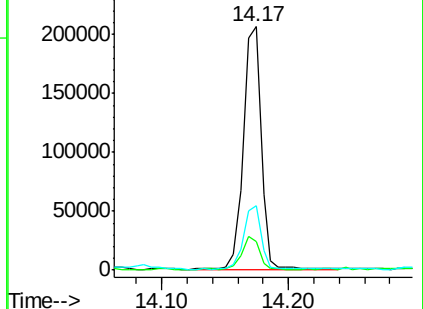
236 26.4 20.7 31.1

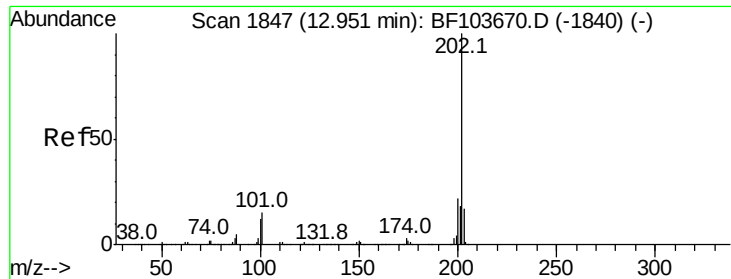


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

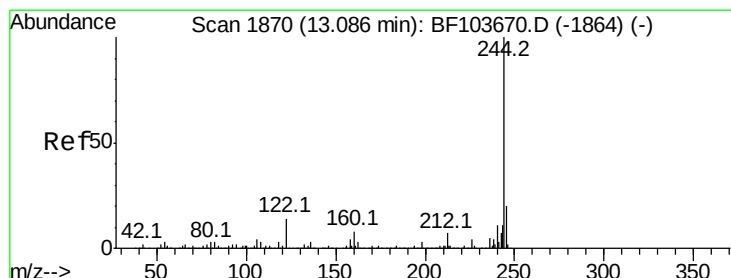
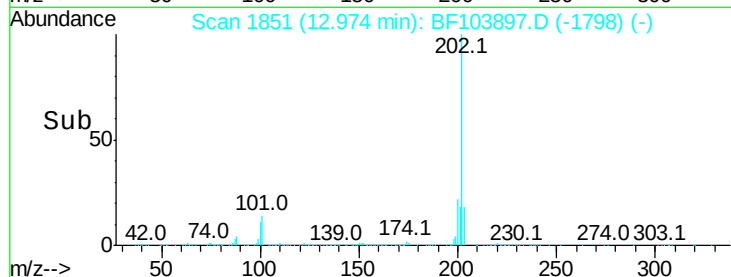
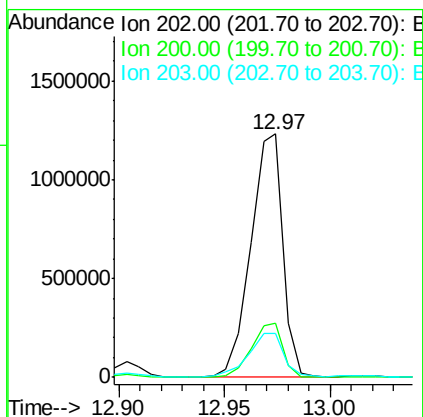
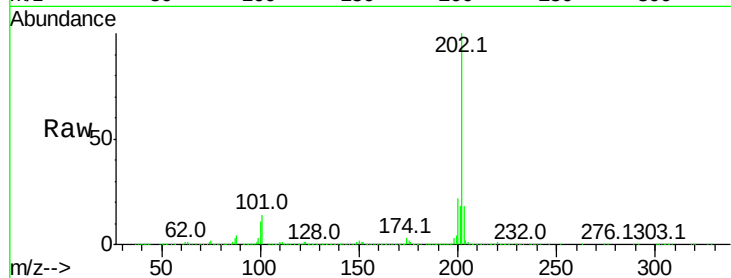




#77
Pvrene
Concen: 88.787 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.01 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

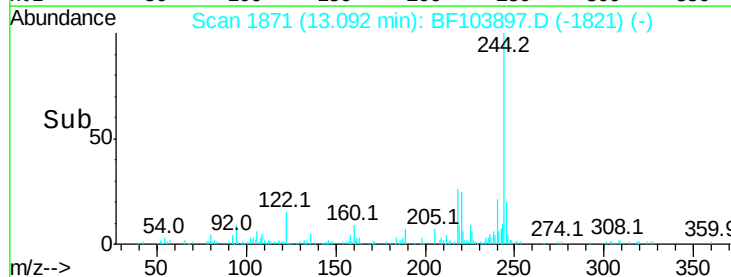
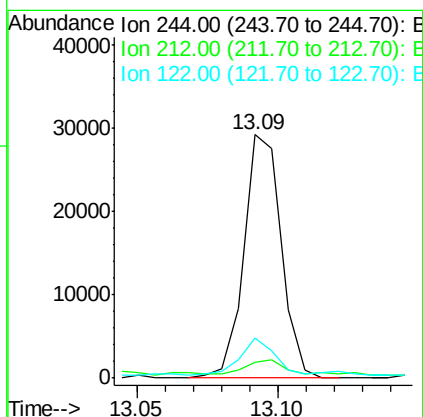
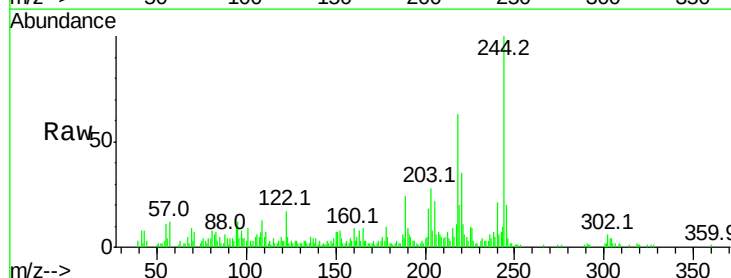
Instrument :
BNA_F
ClientSampleId :

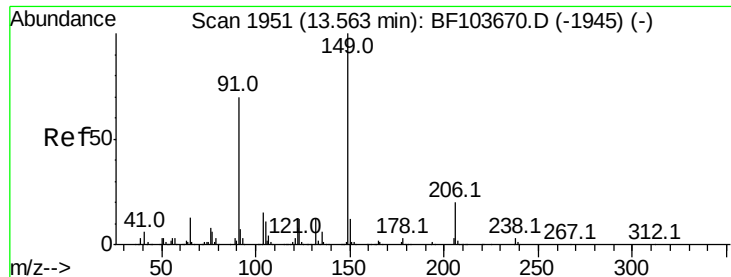
Tot Ion:202 Resp: 1294111
Ion Ratio Lower Upper
202 100
200 22.2 17.4 26.2
203 18.2 14.3 21.5



#78
Terphenyl-d14
Concen: 3.131 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Tgt Ion:244 Resp: 26772
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 16.7 11.0 16.4#

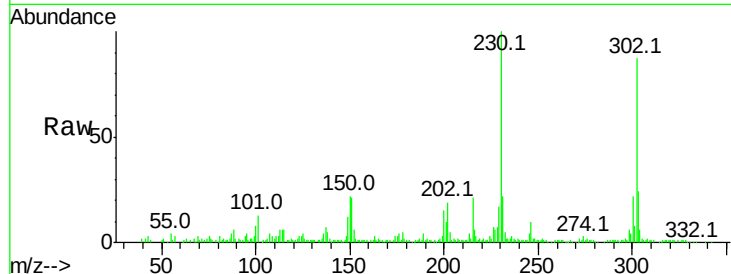




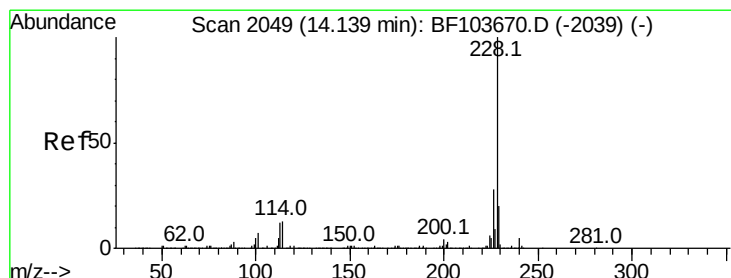
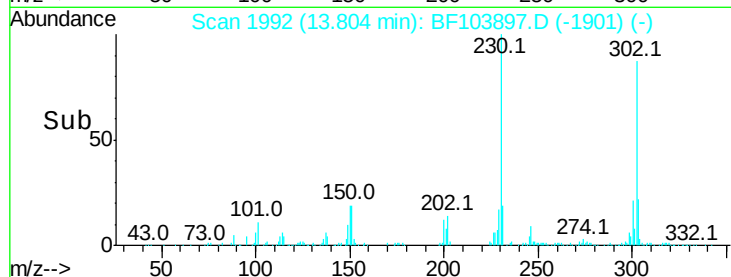
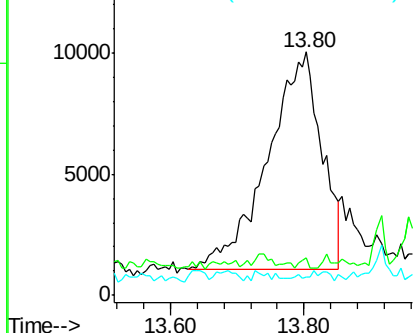
#79
Butylbenzylphthalate
Concen: 7.806 ng
RT: 13.80 min Scan# 1992
Delta R.T. 0.24 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:149 Resp: 50408
Ion Ratio Lower Upper
149 100
91 15.4 56.8 85.2#
206 7.3 14.1 21.1#

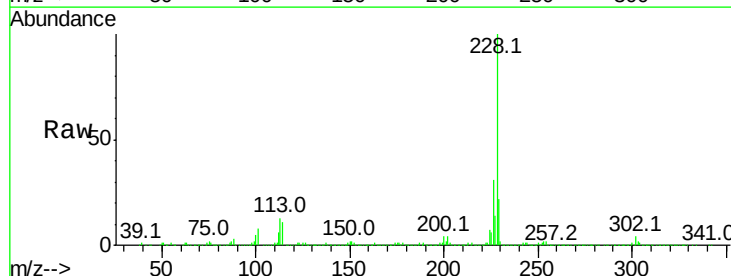


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E

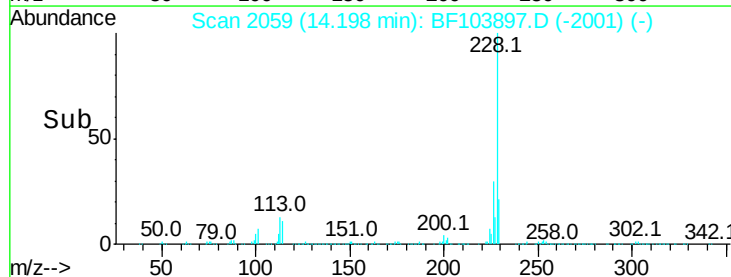
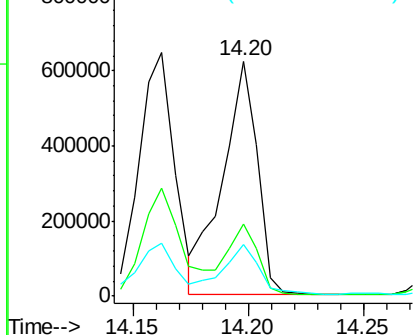


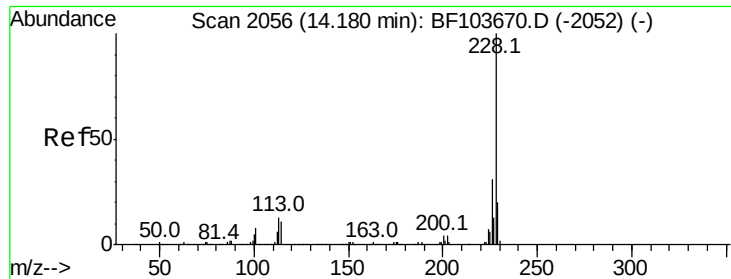
#80
Benzo(a)anthracene
Concen: 52.176 ng
RT: 14.20 min Scan# 2059
Delta R.T. 0.04 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Tgt Ion:228 Resp: 655494
Ion Ratio Lower Upper
228 100
226 30.8 22.6 33.8
229 22.2 15.8 23.6



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 54.735 ng

RT: 14.20 min Scan# 2059

Delta R.T. -0.00 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampled :

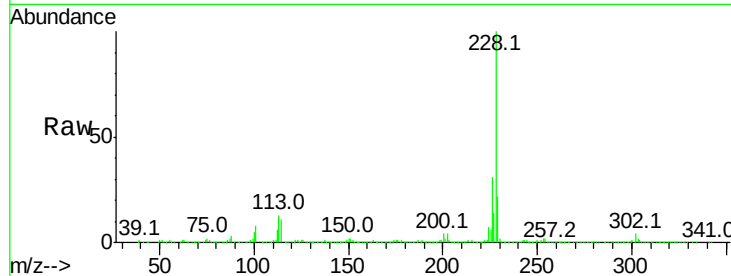
Tot Ion:228 Resp: 655494

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.6

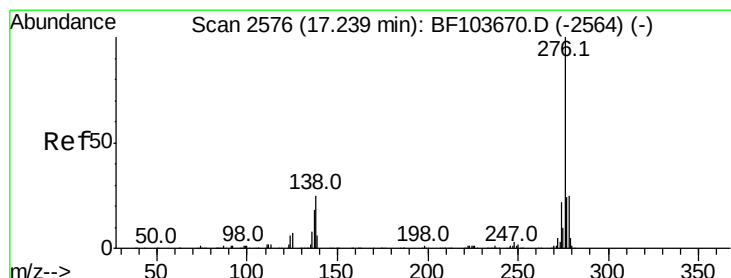
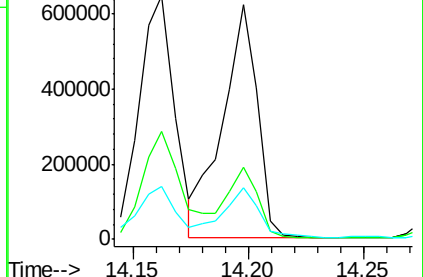
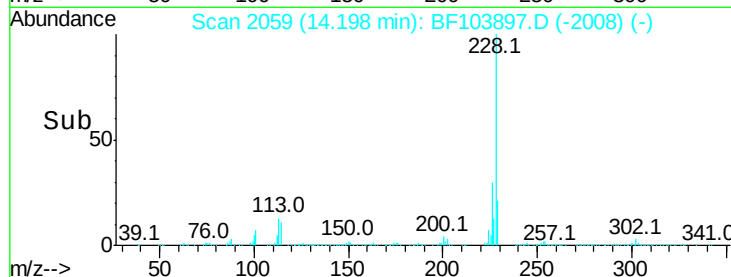
229 22.2 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 7.577 ng

RT: 17.13 min Scan# 2558

Delta R.T. -0.16 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

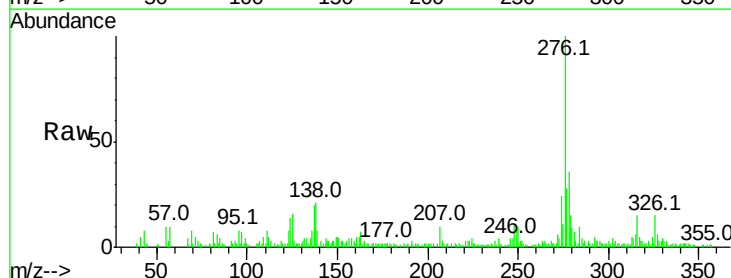
Tgt Ion:276 Resp: 79242

Ion Ratio Lower Upper

276 100

138 28.7 25.0 37.6

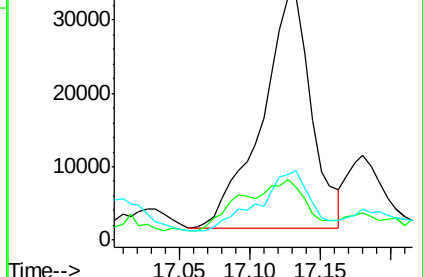
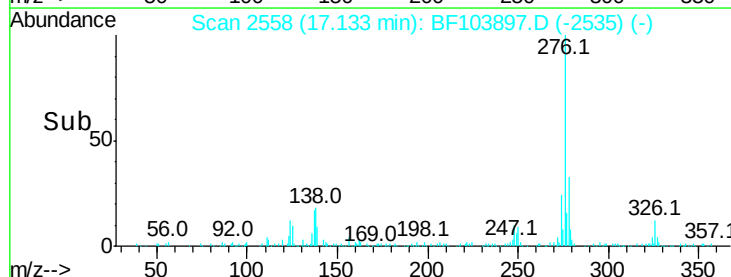
277 25.9 20.1 30.1

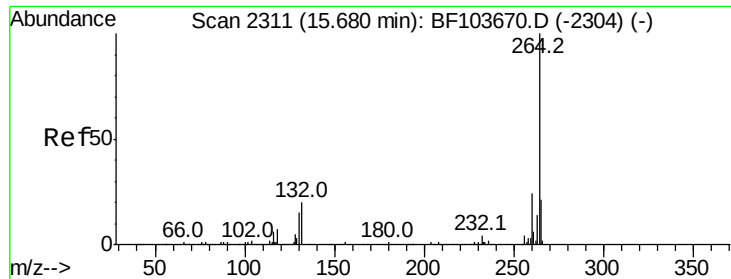


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



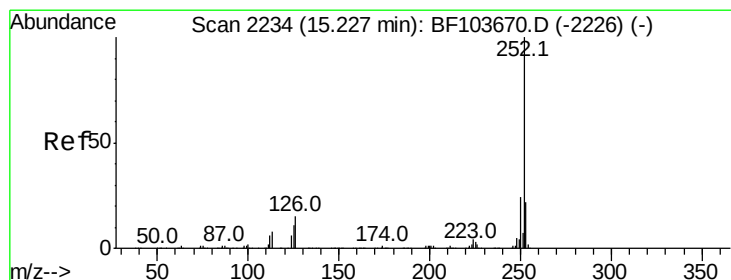
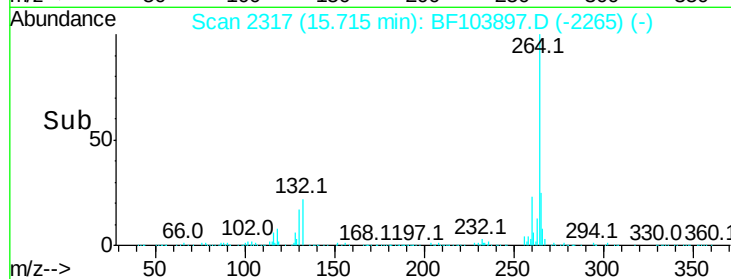
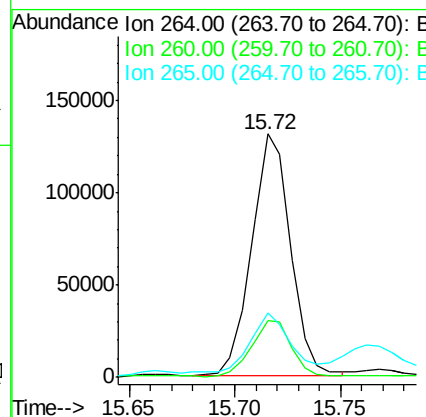
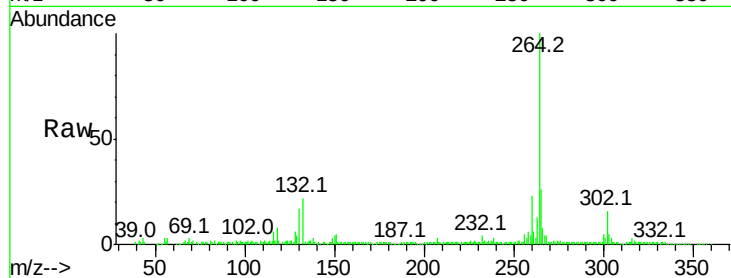


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 167131

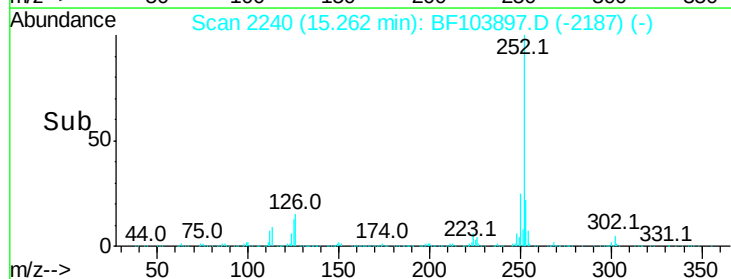
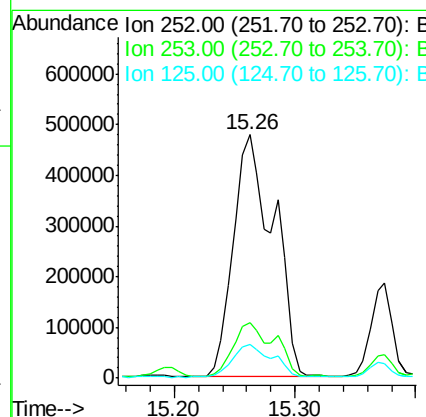
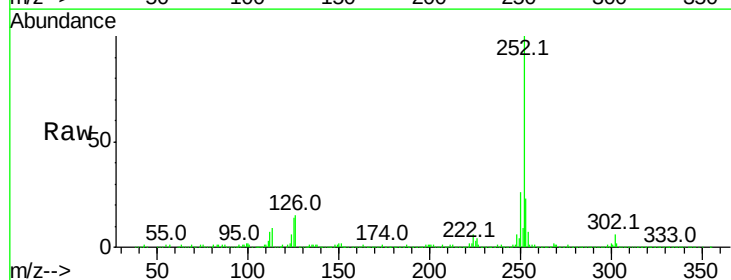
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	26.2	17.5	26.3

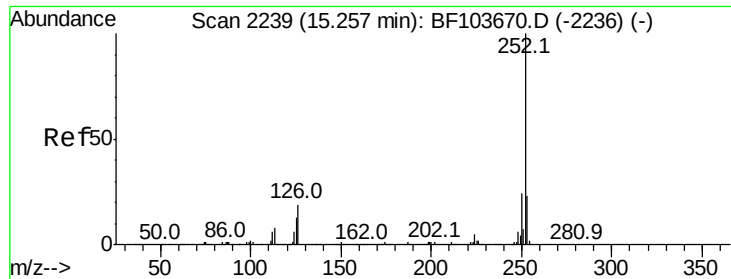


#87
Benzo(b)fluoranthene
Concen: 105.557 ng
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Tgt Ion:252 Resp: 1114569

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

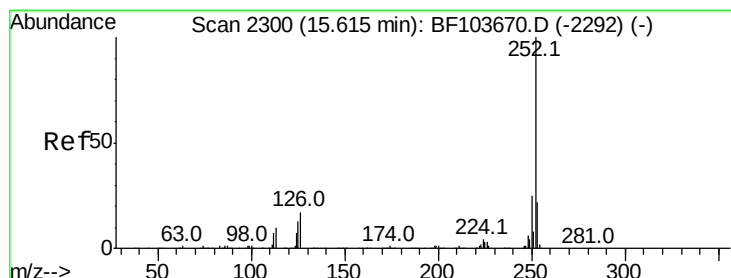
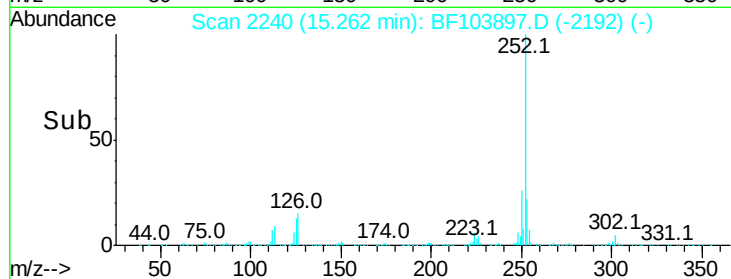
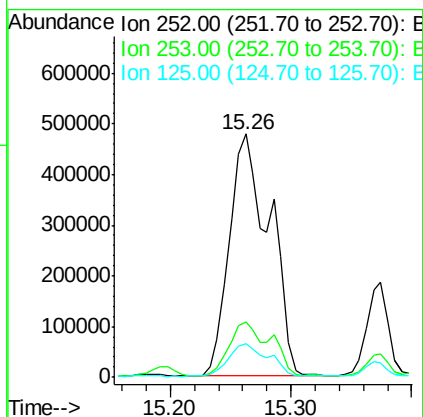
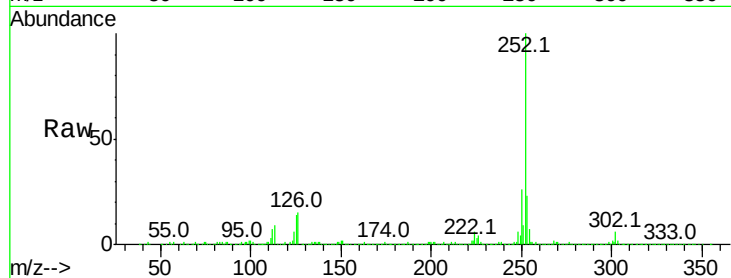




#88
Benzo(k)fluoranthene
Concen: 109.810 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.02 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

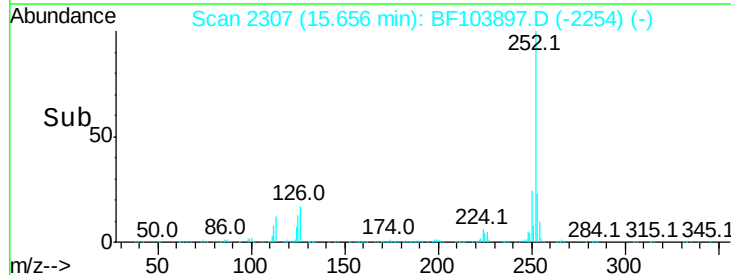
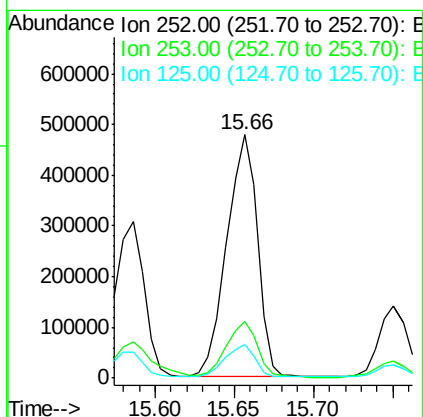
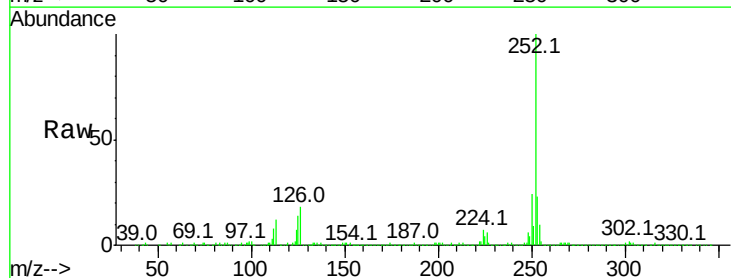
Instrument :
BNA_F
ClientSampleId :

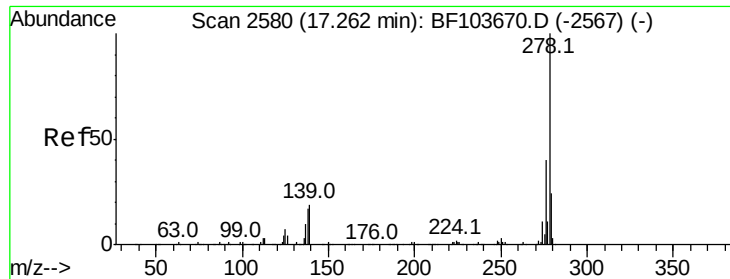
Tot Ion:252 Resp: 1114569
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 13.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 66.996 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.01 min
Lab File: BF103897.D
Acq: 23 Mar 2018 23:37

Tgt Ion:252 Resp: 641626
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 13.7 9.8 14.6





#90

Dibenzo(a,h)anthracene

Concen: 12.320 ng

RT: 17.32 min Scan# 2589

Delta R.T. -0.00 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

Instrument :

BNA_F

ClientSampleId :

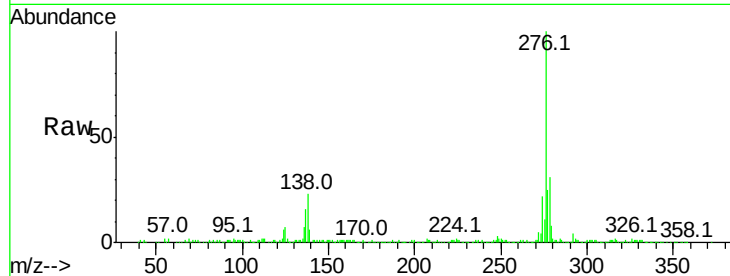
Tot Ion:278 Resp: 102166

Ion Ratio Lower Upper

278 100

139 20.4 15.9 23.9

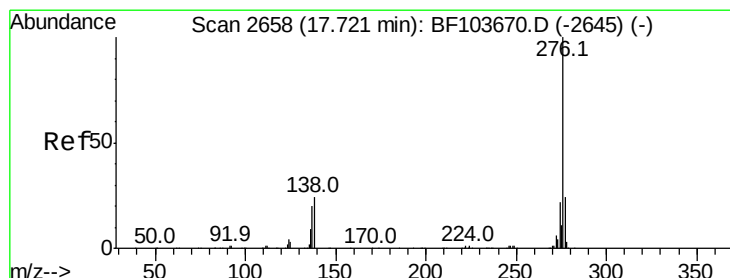
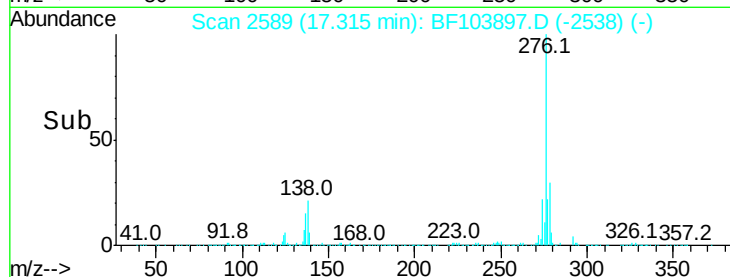
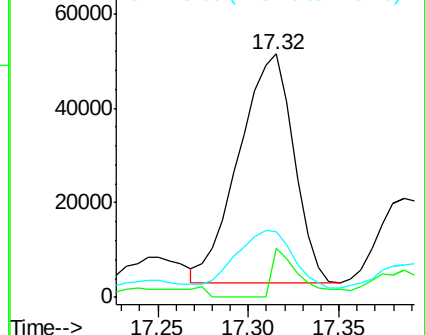
279 27.2 19.0 28.4



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: 49.060 ng

RT: 17.79 min Scan# 2670

Delta R.T. 0.01 min

Lab File: BF103897.D

Acq: 23 Mar 2018 23:37

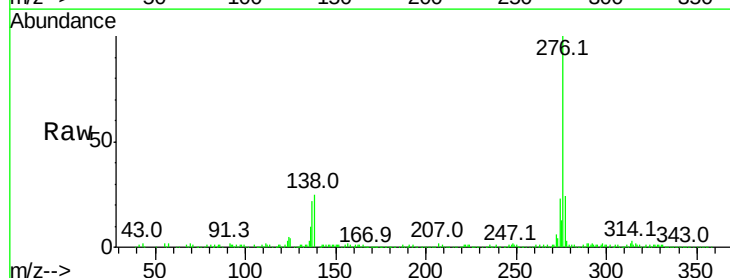
Tgt Ion:276 Resp: 395793

Ion Ratio Lower Upper

276 100

277 23.9 17.9 26.9

138 25.2 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

