

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030518\
 Data File : BF103444.D
 Acq On : 6 Mar 2018 8:59
 Operator : SJ/JU
 Sample : J1778-04DL 2X
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 06 09:49:21 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 05 13:40:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	122698	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	490985	20.00	ng	0.00
38) Acenaphthene-d10	9.91	164	192723	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	286975	20.00	ng	0.00
75) Chrysene-d12	14.06	240	185658	20.00	ng	0.00
86) Perylene-d12	15.57	264	144015	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	155891	19.22	ng	0.00
7) Phenol-d6	6.52	99	227903	22.96	ng	0.00
23) Nitrobenzene-d5	7.44	82	121197	14.10	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	23820	14.60	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	192030	12.33	ng	0.00
78) Terphenyl-d14	12.99	244	132751	17.19	ng	0.00

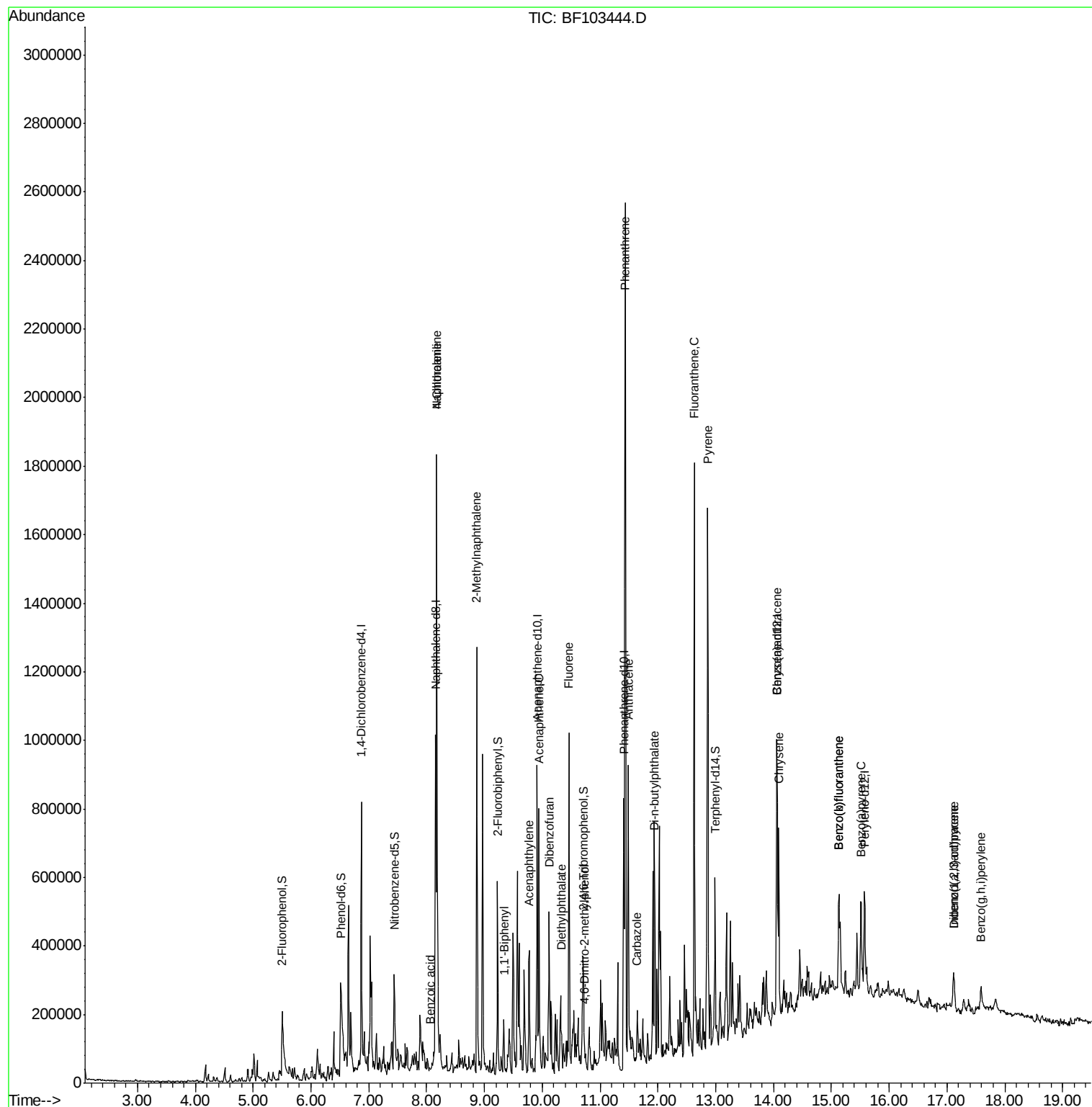
Target Compounds				Qvalue		
9) Benzaldehyde	6.42	77	1533	Below Cal	#	1
31) Naphthalene	8.17	128	885071	36.820	ng	100
32) Benzoic acid	8.06	122	110	6.932	ng	1
33) 4-Chloroaniline	8.17	127	119308	11.502	ng	33
37) 2-Methylnaphthalene	8.87	142	357870	23.036	ng	99
45) 1,1'-Biphenyl	9.33	154	47817	2.961	ng	96
48) Acenaphthylene	9.77	152	104382	5.310	ng	96
51) Acenaphthene	9.95	154	145589	12.701	ng	99
54) Dibenzofuran	10.12	168	159046	10.108	ng	96
57) Fluorene	10.46	166	269957	20.140	ng	99
59) Diethylphthalate	10.32	149	30060	2.033	ng	98
64) 4,6-Dinitro-2-methylphenol	10.73	198	133	5.014	ng	1
70) Phenanthrene	11.43	178	1016712	64.377	ng	99
71) Anthracene	11.49	178	347099	21.433	ng	100
72) Carbazole	11.65	167	49494	3.069	ng	97
73) Di-n-butylphthalate	11.95	149	161643	8.010	ng	99
74) Fluoranthene	12.63	202	708611	44.650	ng	99
77) Pyrene	12.86	202	657659	45.434	ng	100
80) Benzo(a)anthracene	14.06	228	241281	20.030	ng	96
82) Chrysene	14.09	228	216637	18.521	ng	98
85) Indeno(1,2,3-cd)pyrene	17.12	276	61026	6.590	ng	94
87) Benzo(b)fluoranthene	15.13	252	224486	23.708	ng	93
88) Benzo(k)fluoranthene	15.13	252	224585	25.188	ng	96
89) Benzo(a)pyrene	15.52	252	135119	15.980	ng	97
90) Dibenzo(a,h)anthracene	17.12	278	14472	2.215	ng	77
91) Benzo(g,h,i)perylene	17.59	276	55006	8.614	ng	96

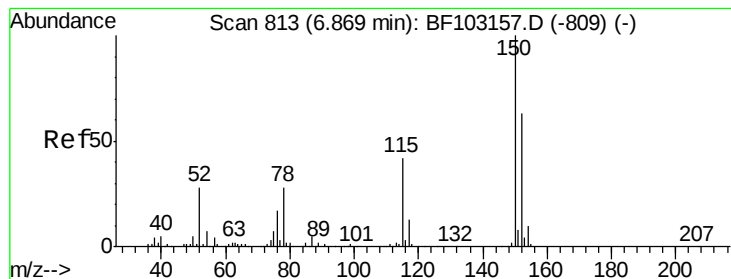
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030518\
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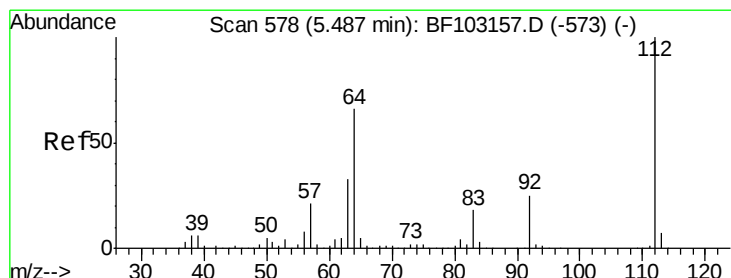
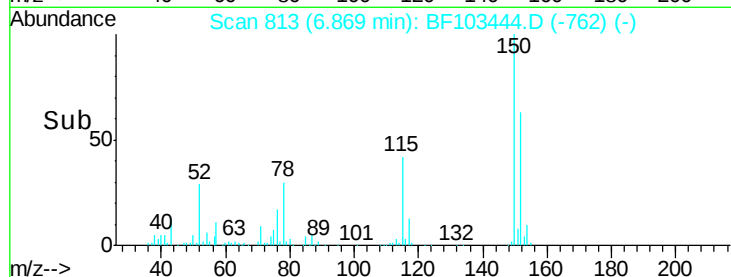
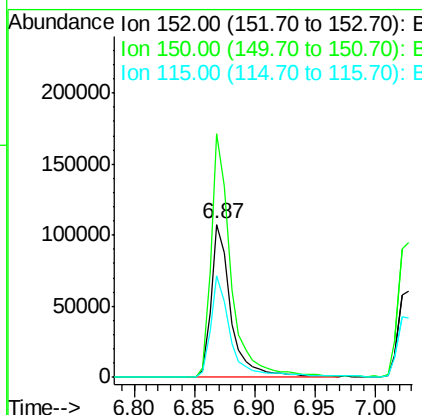
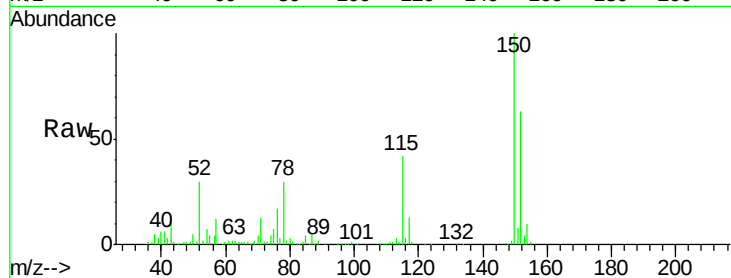


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

Instrument :
BNA_F
ClientSampled :

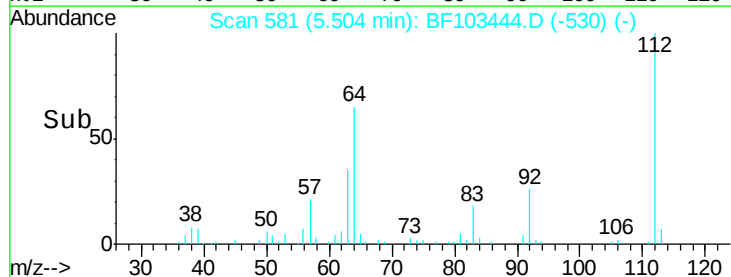
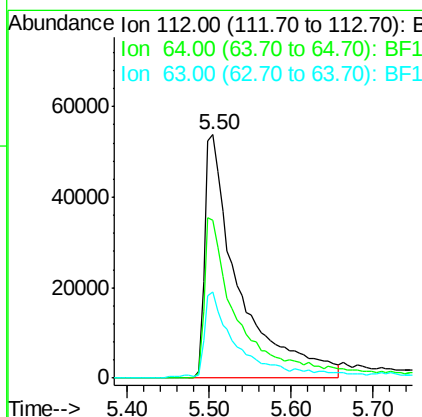
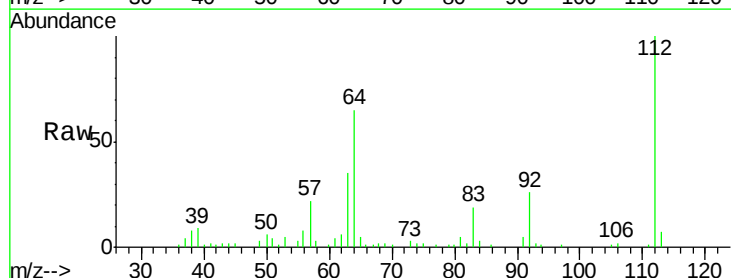
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	66.6	50.1	75.1

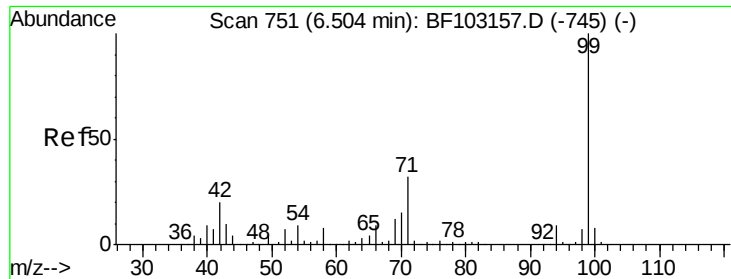


#5

2-Fluorophenol
Concen: 19.216 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.00 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.7	47.9	71.9
63	35.3	23.7	35.5





#7

Phenol-d6

Concen: 22.958 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

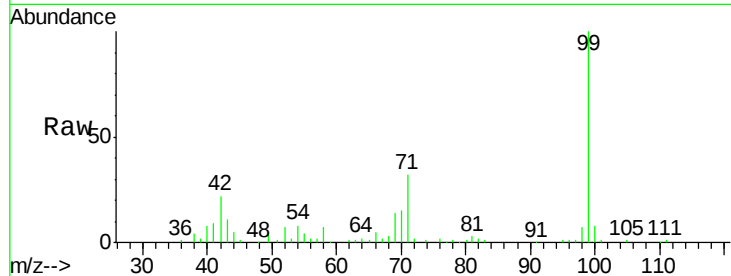
Tot Ion: 99 Resp: 227903

Ion Ratio Lower Upper

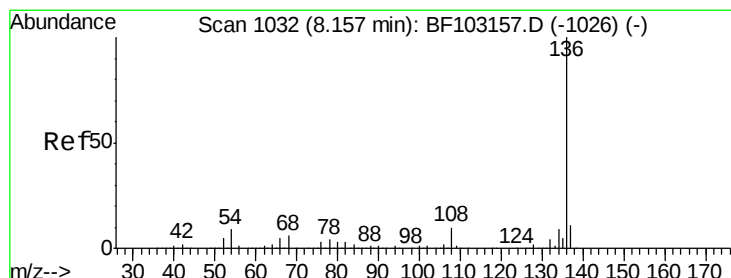
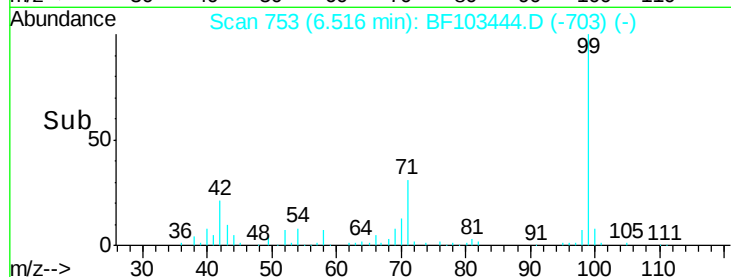
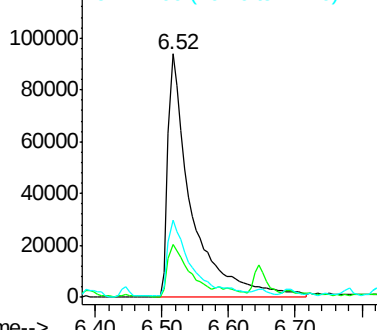
99 100

42 21.6 14.5 21.7

71 31.6 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Tgt Ion: 136 Resp: 490985

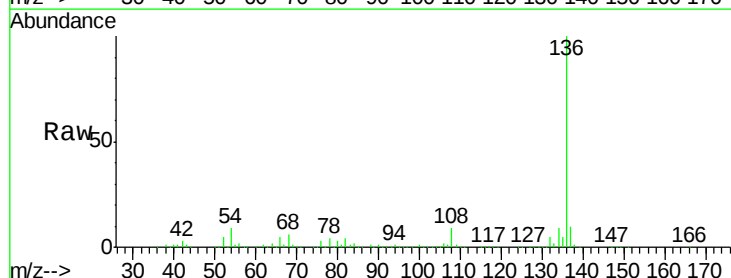
Ion Ratio Lower Upper

136 100

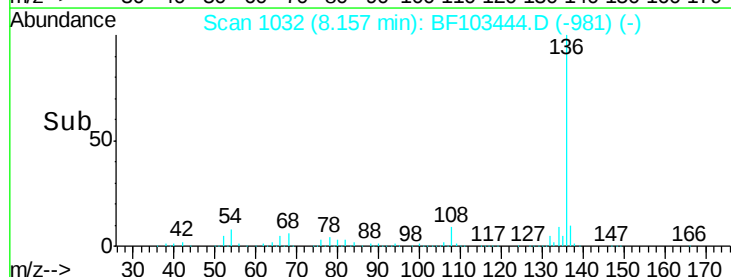
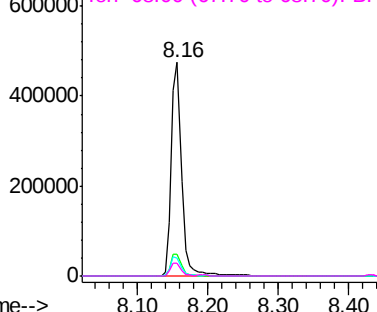
137 10.4 8.9 13.3

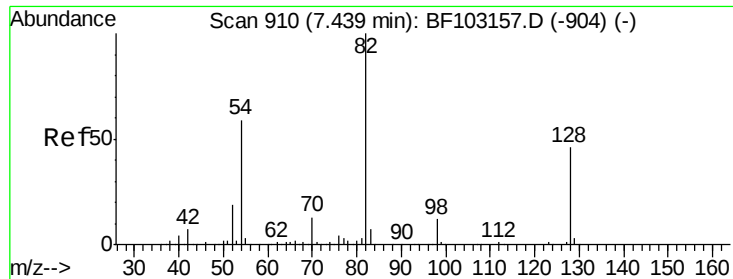
54 8.5 6.6 9.8

68 6.3 5.0 7.4



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

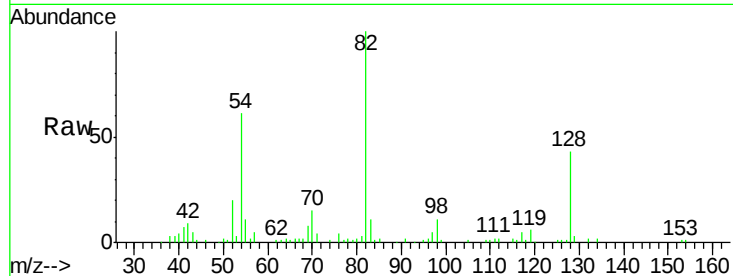




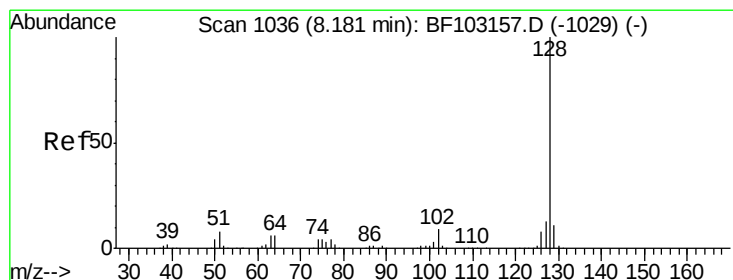
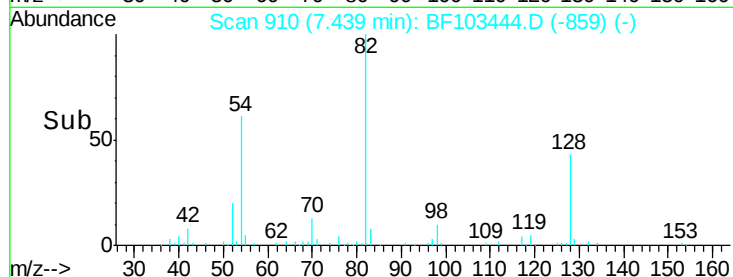
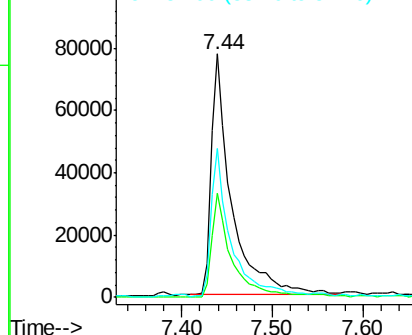
#23
 Nitrobenzene-d5
 Concen: 14.097 ng
 RT: 7.44 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

Instrument :
 BNA_F
 ClientSampled :

Tot Ion: 82 Resp: 121197
 Ion Ratio Lower Upper
 82 100
 128 43.0 36.1 54.1
 54 61.2 41.4 62.2

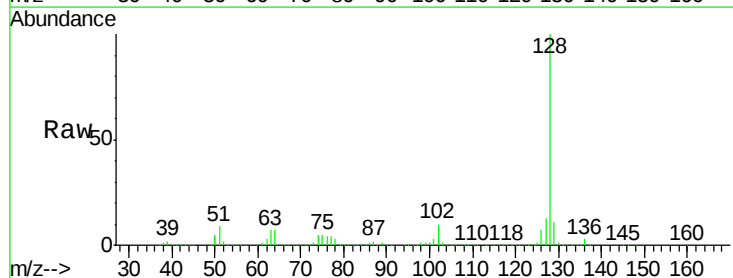


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

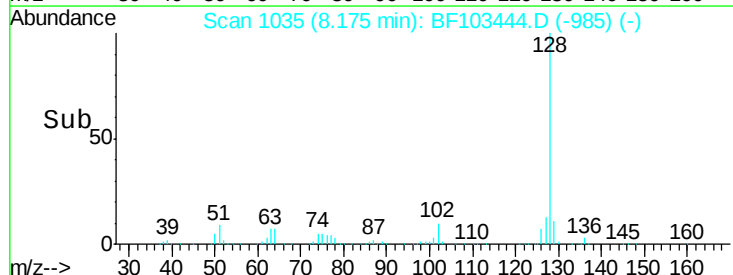
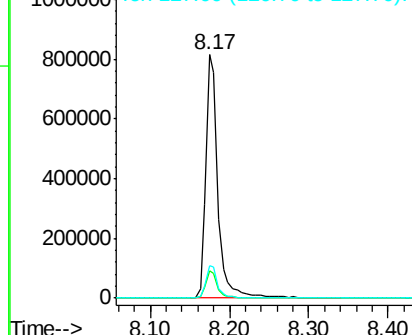


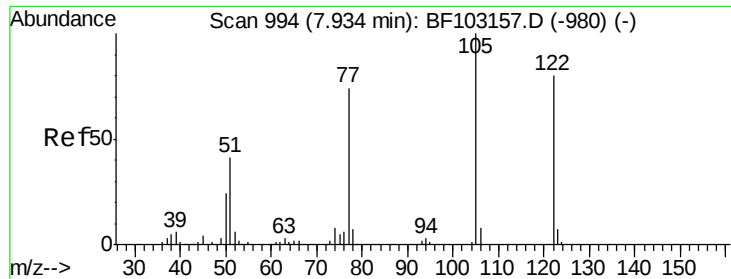
#31
 Naphthalene
 Concen: 36.820 ng
 RT: 8.17 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

Tgt Ion: 128 Resp: 885071
 Ion Ratio Lower Upper
 128 100
 129 11.3 8.8 13.2
 127 13.5 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

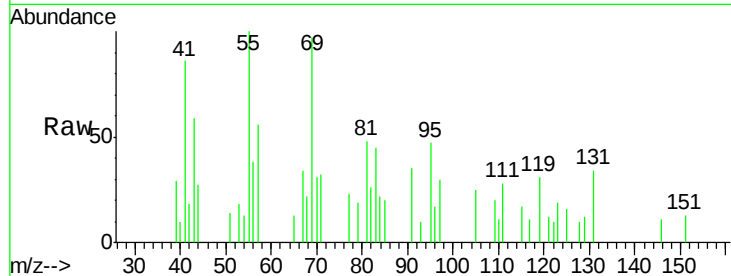




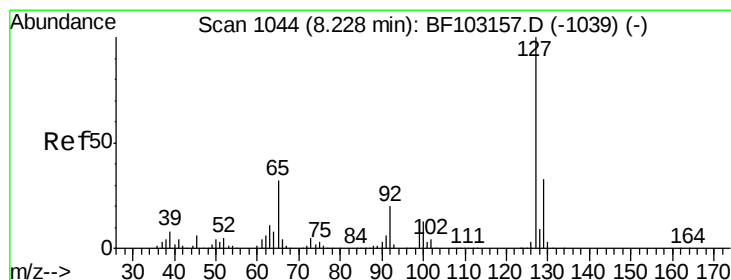
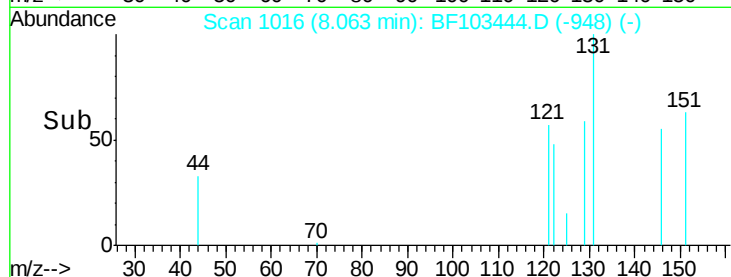
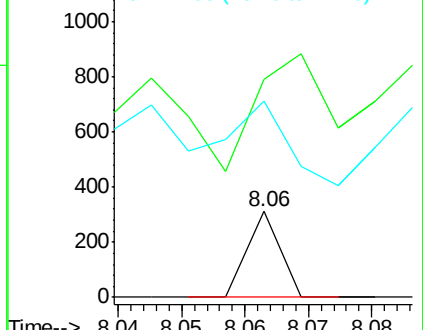
#32
Benzoic acid
Concen: 6.932 ng
RT: 8.06 min Scan# 1016
Delta R.T. 0.10 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

Instrument :
BNA_F
ClientSampleId :

Tot Ion:122 Resp: 110
Ion Ratio Lower Upper
122 100
105 252.9 101.1 141.1#
77 227.9 70.7 110.7#

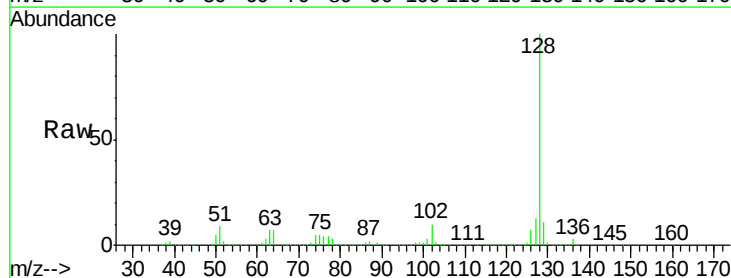


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

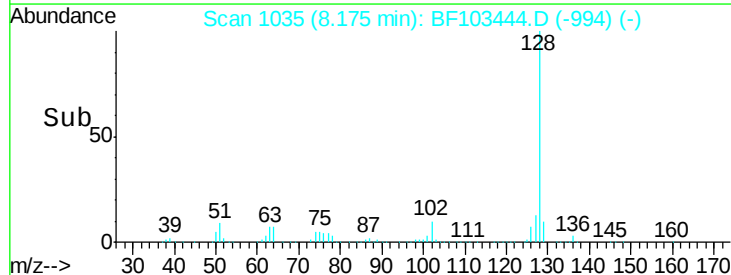
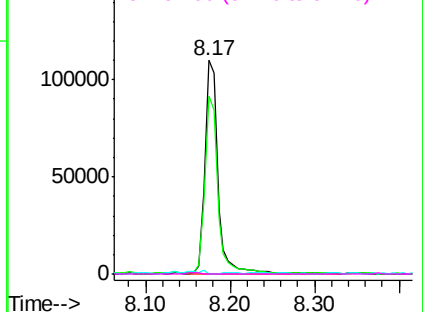


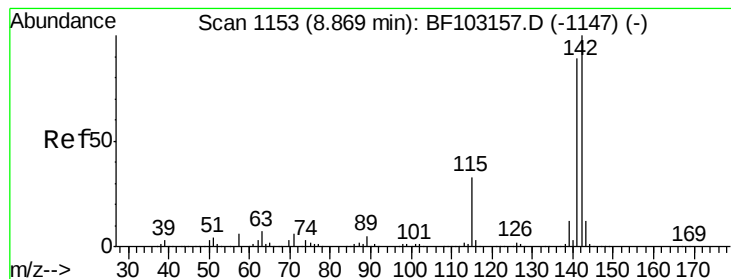
#33
4-Chloroaniline
Concen: 11.502 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.06 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

Tgt Ion:127 Resp: 119308
Ion Ratio Lower Upper
127 100
129 83.4 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

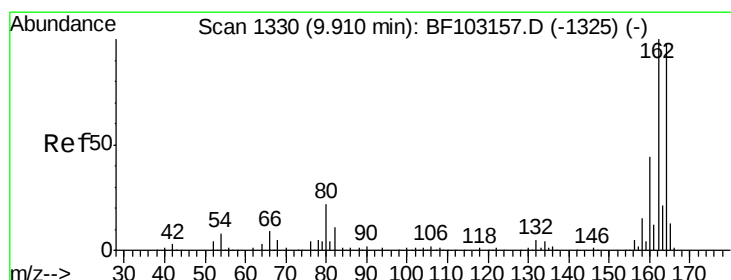
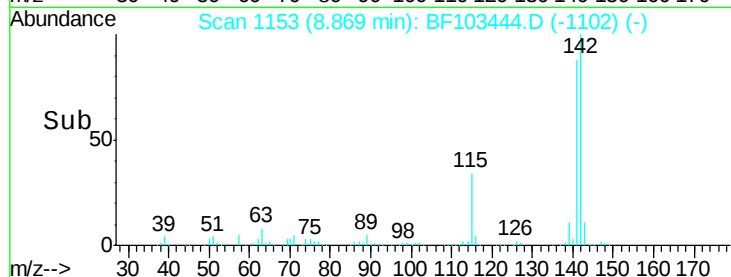
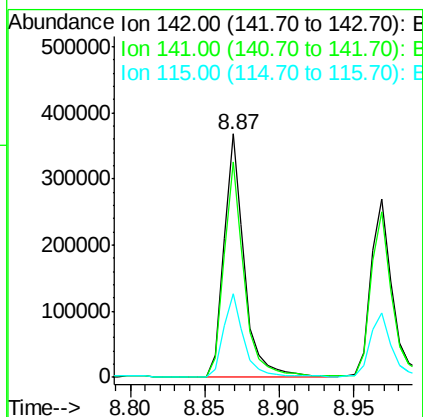
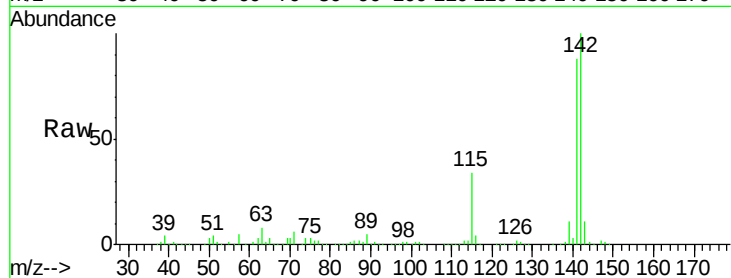




#37
2-Methylnaphthalene
Concen: 23.036 ng
RT: 8.87 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

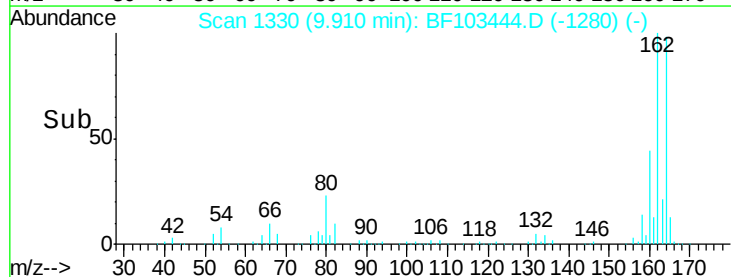
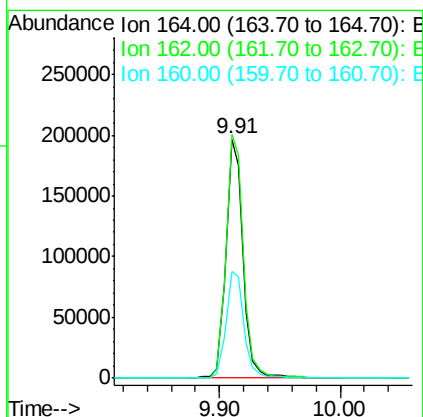
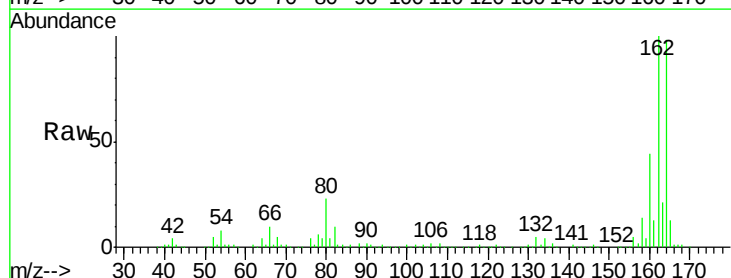
Instrument :
BNA_F
ClientSampleId :

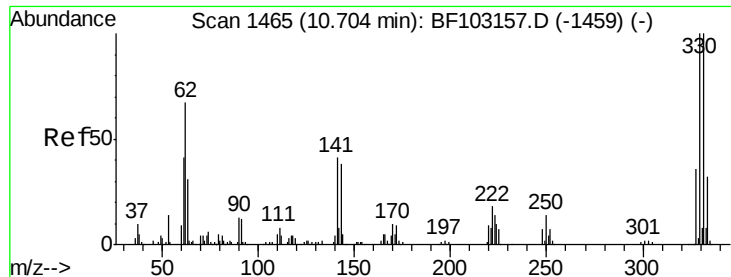
Tot Ion:142 Resp: 357870
Ion Ratio Lower Upper
142 100
141 88.4 70.8 106.2
115 34.5 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

Tgt Ion:164 Resp: 192723
Ion Ratio Lower Upper
164 100
162 102.0 86.1 129.1
160 44.5 38.3 57.5

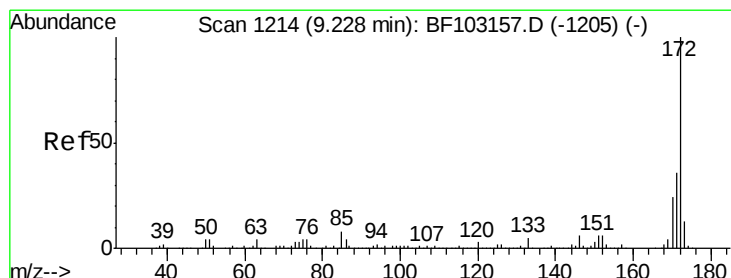
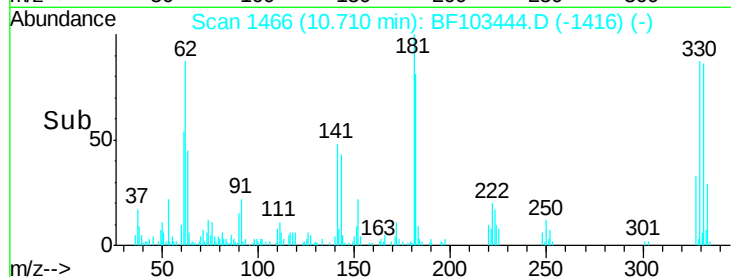
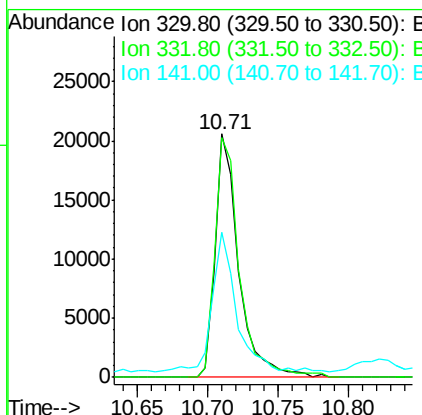
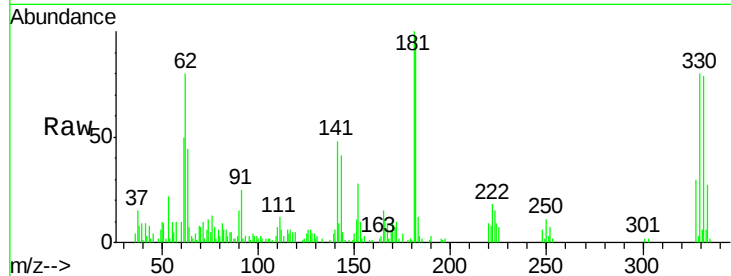




#41
 2,4,6-Tribromophenol
 Concen: 14.602 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

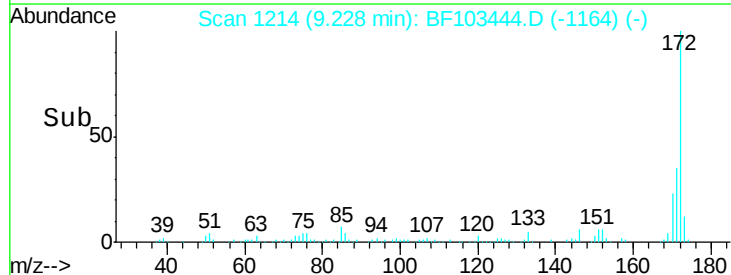
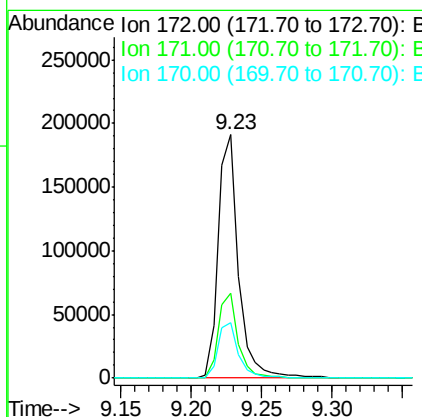
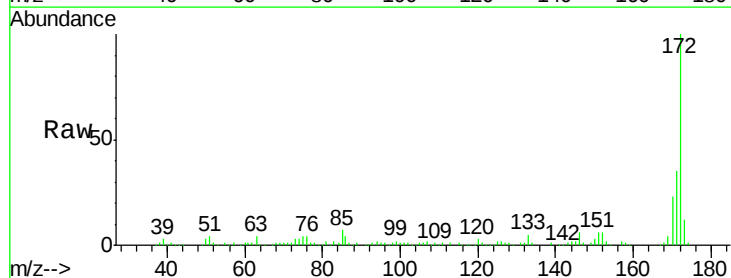
Instrument :
 BNA_F
 ClientSampleId :

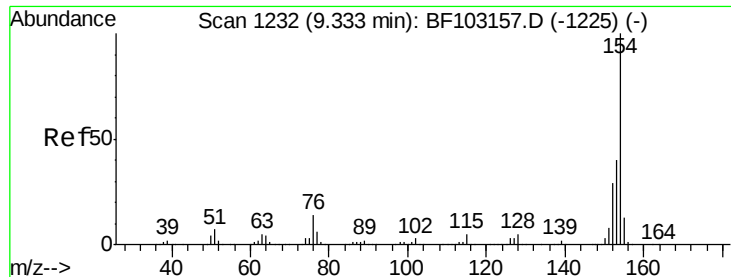
Tot Ion:330 Resp: 23820
 Ion Ratio Lower Upper
 330 100
 332 103.3 77.0 115.6
 141 58.6 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 12.335 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

Tgt Ion:172 Resp: 192030
 Ion Ratio Lower Upper
 172 100
 171 34.9 29.7 44.5
 170 22.6 19.6 29.4

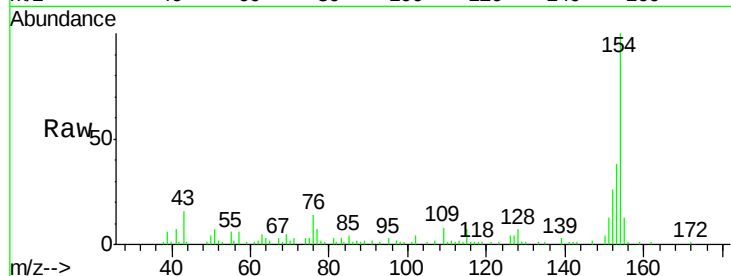




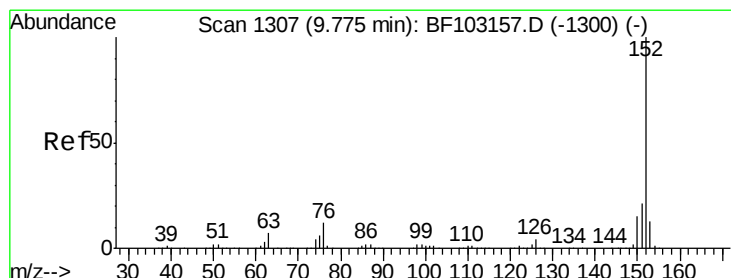
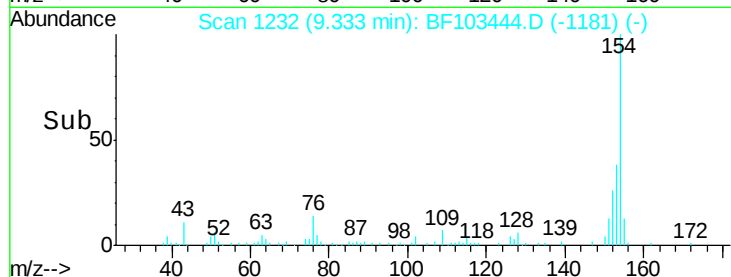
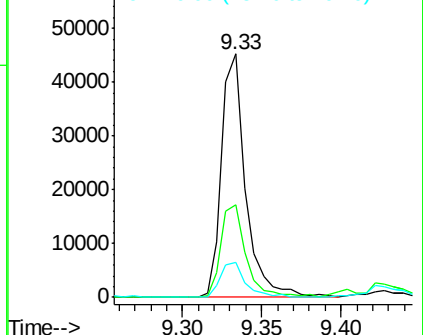
#45
 1,1'-Biphenyl
 Concen: 2.961 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.2	21.3	61.3
76	14.2	0.0	34.0

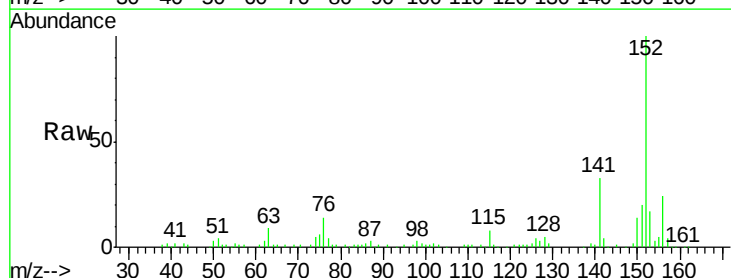


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

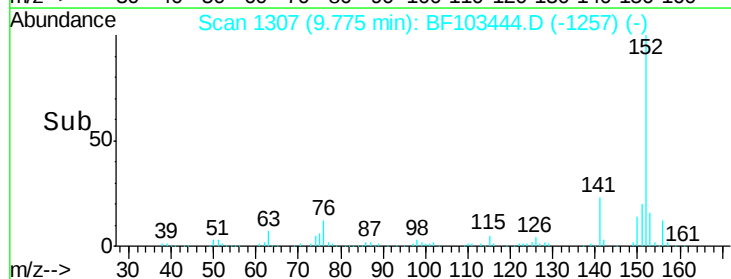
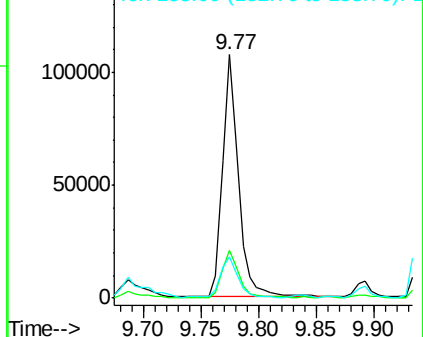


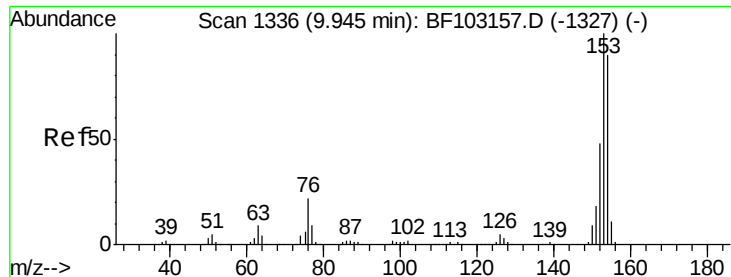
#48
 Acenaphthylene
 Concen: 5.310 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.01 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.3	24.5
153	17.0	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





#51

Acenaphthene

Concen: 12.701 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

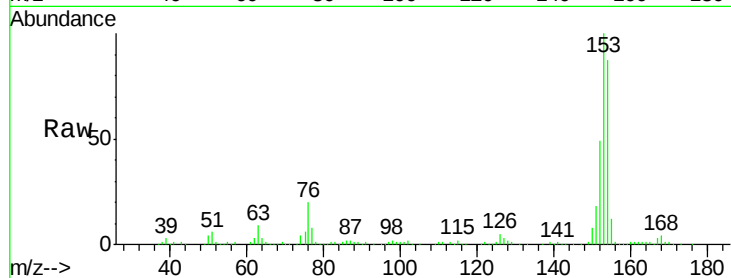
Tot Ion:154 Resp: 145589

Ion Ratio Lower Upper

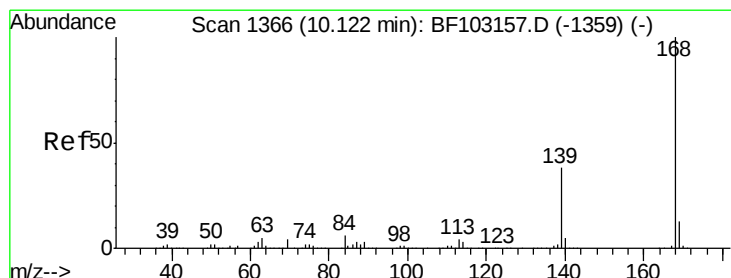
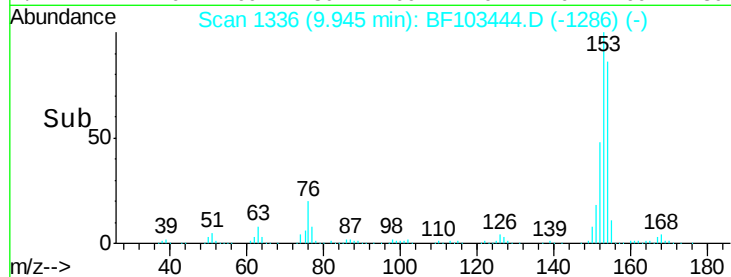
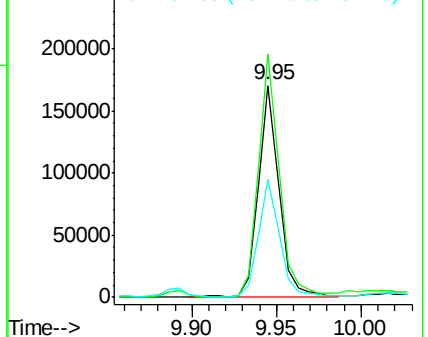
154 100

153 114.7 91.2 136.8

152 55.7 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: 10.108 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

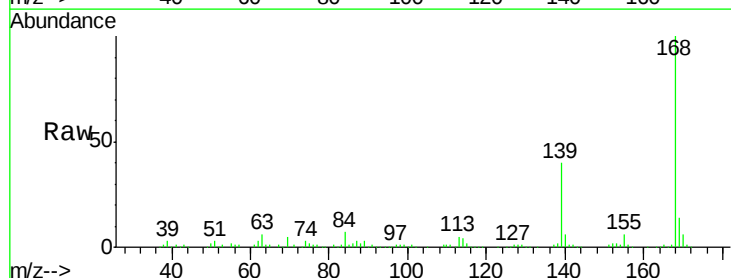
Tgt Ion:168 Resp: 159046

Ion Ratio Lower Upper

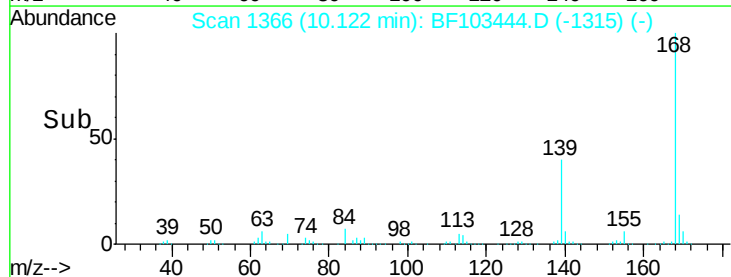
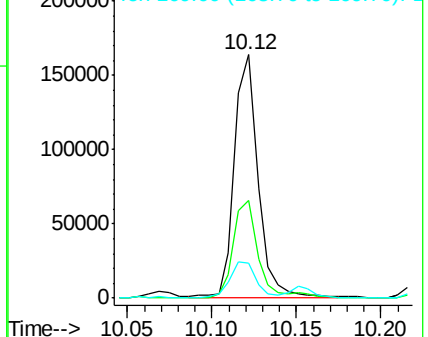
168 100

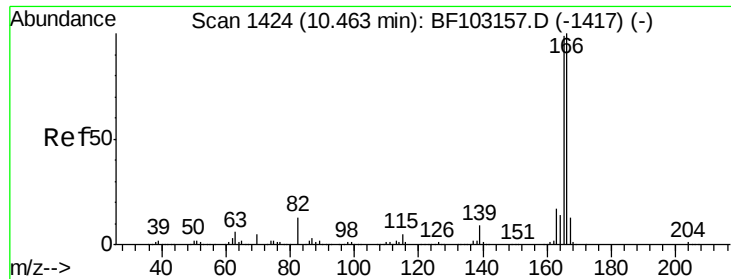
139 40.3 30.1 45.1

169 14.2 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

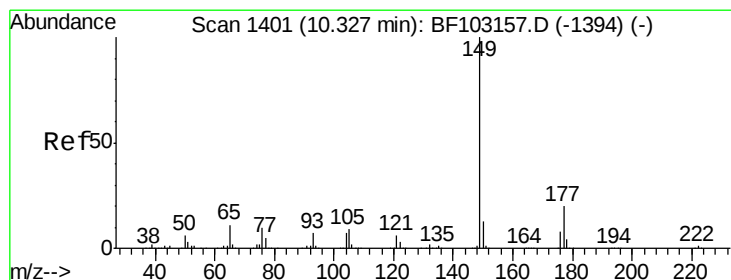
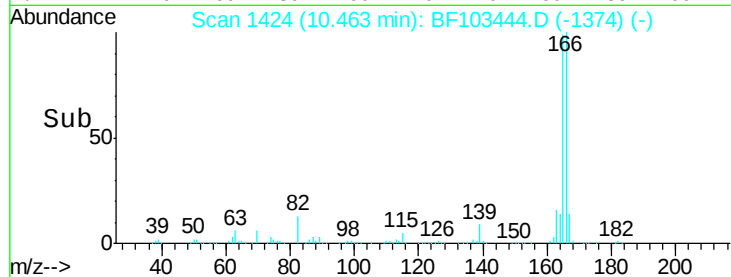
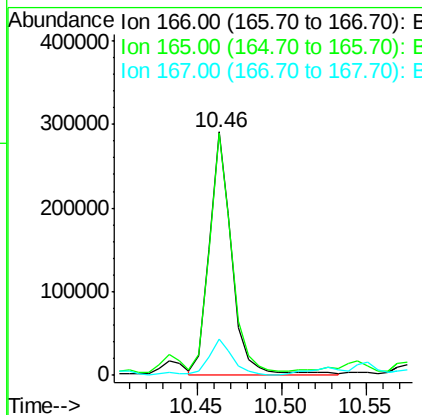
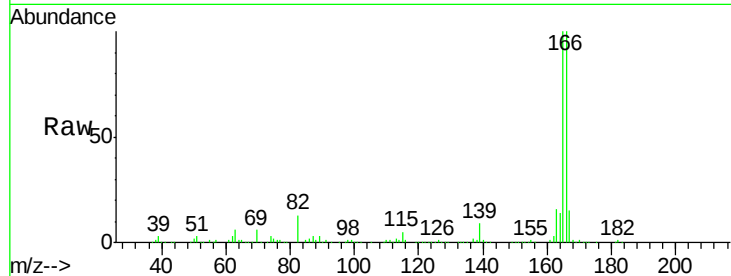




#57
 Fluorene
 Concen: 20.140 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

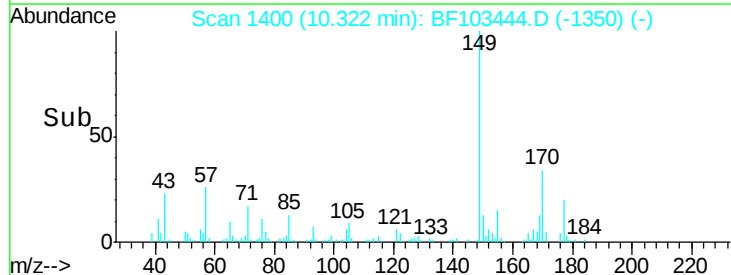
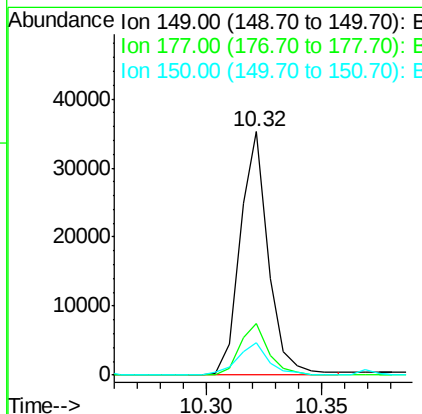
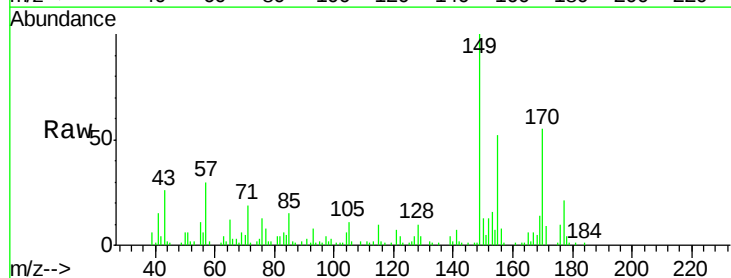
Instrument :
 BNA_F
 ClientSampleId :

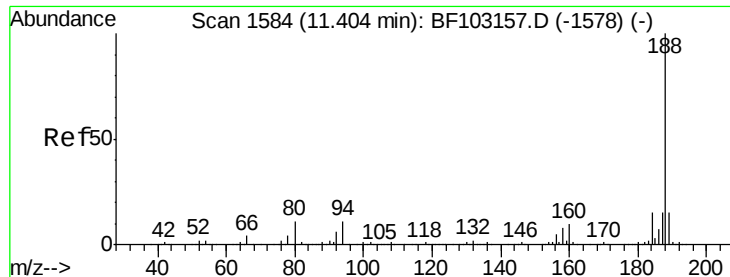
Tot Ion	166	Resp	269957
Ion Ratio	100	Lower	Upper
166	100	79.8	119.8
165	99.6	10.6	16.0
167	14.7		



#59
 Diethylphthalate
 Concen: 2.033 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. -0.01 min
 Lab File: BF103444.D
 Acq: 6 Mar 2018 8:59

Tgt Ion	149	Resp	30060
Ion Ratio	100	Lower	Upper
149	100	16.1	24.1
177	21.4	10.1	15.1
150	13.3		





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

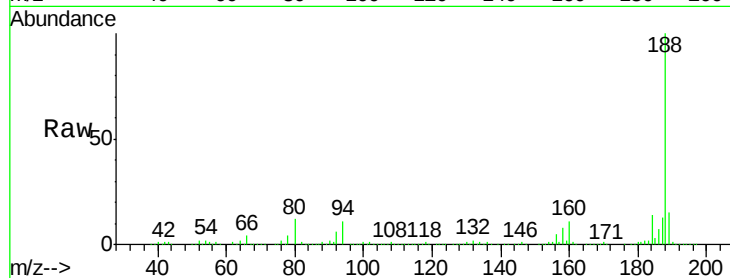
Tot Ion:188 Resp: 286975

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

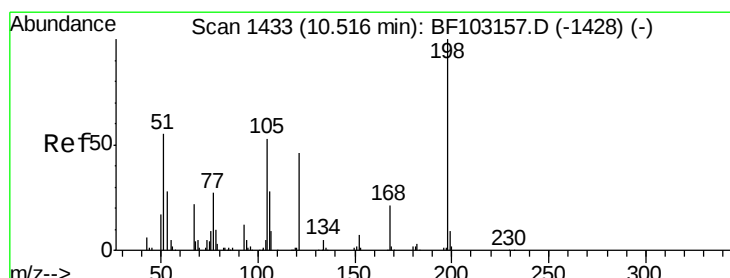
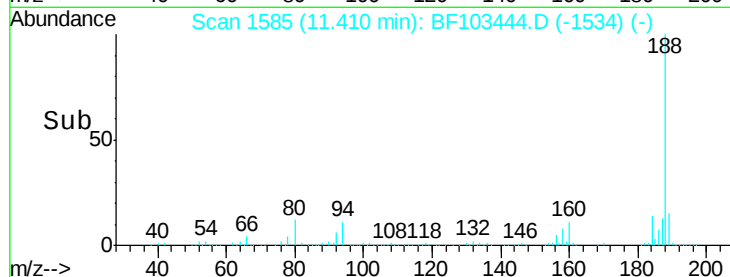
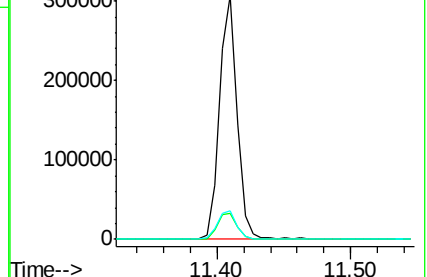
80 11.7 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#64

4,6-Dinitro-2-methylphenol

Concen: 5.014 ng

RT: 10.73 min Scan# 1470

Delta R.T. 0.20 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

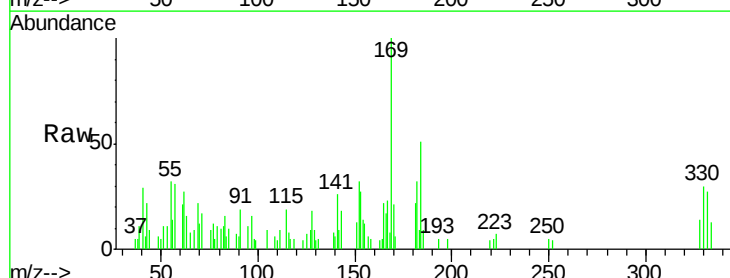
Tgt Ion:198 Resp: 133

Ion Ratio Lower Upper

198 100

51 214.6 37.7 77.7#

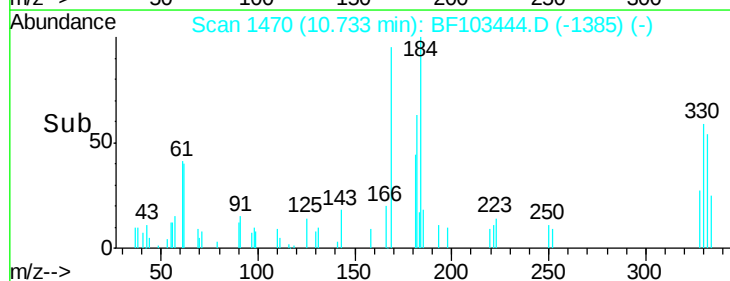
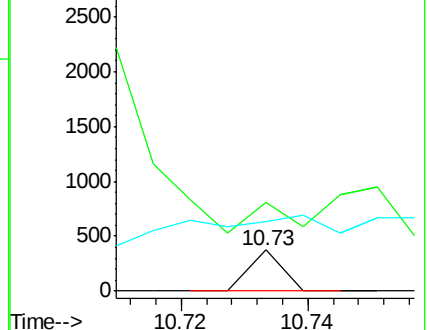
105 168.4 36.3 76.3#

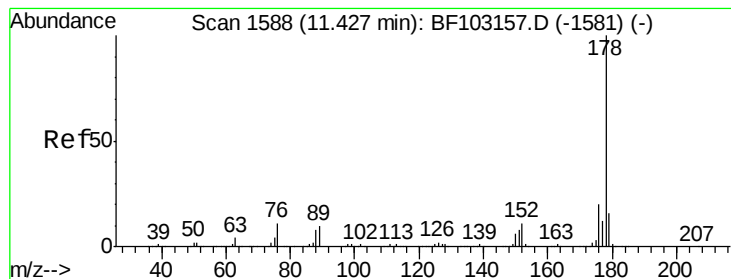


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#70

Phenanthrene

Concen: 64.377 ng

RT: 11.43 min Scan# 1589

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

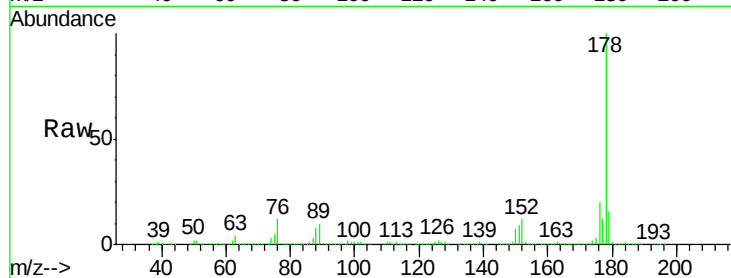
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 1016712

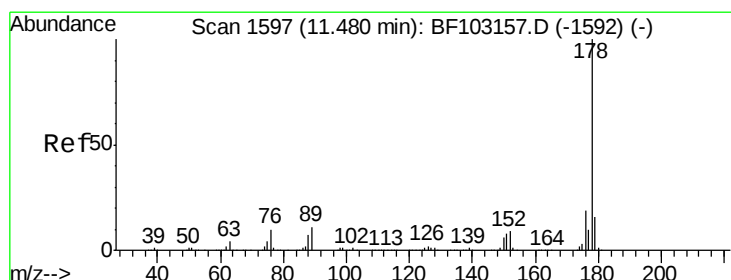
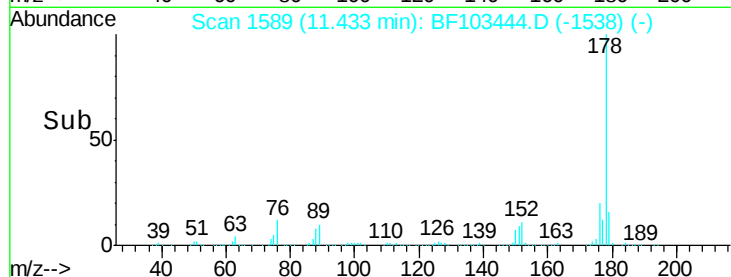
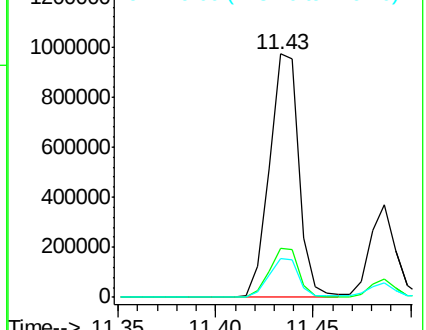
Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	16.0	13.0	19.6



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: 21.433 ng

RT: 11.49 min Scan# 1598

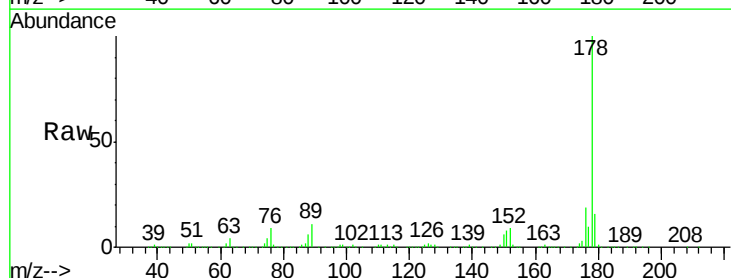
Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Tgt Ion:178 Resp: 347099

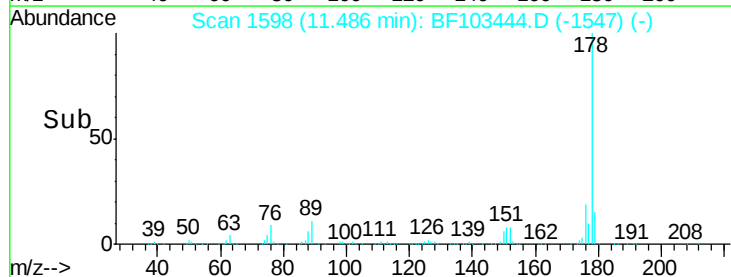
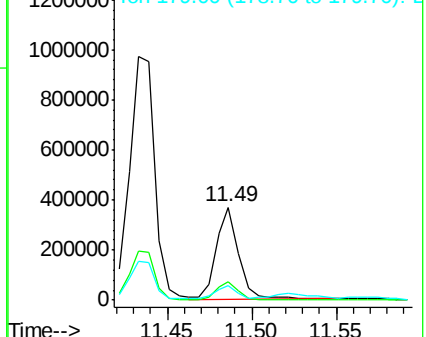
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.7	12.6	19.0

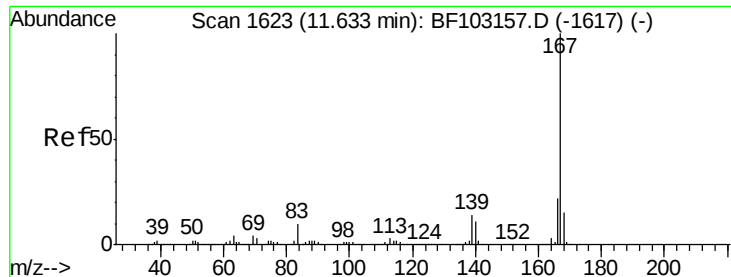


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.069 ng

RT: 11.65 min Scan# 1625

Delta R.T. -0.01 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

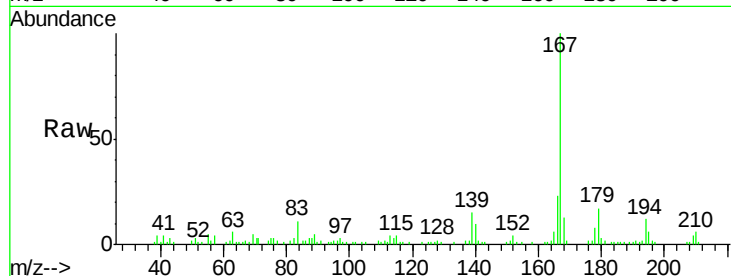
Tot Ion:167 Resp: 49494

Ion Ratio Lower Upper

167 100

166 23.2 17.6 26.4

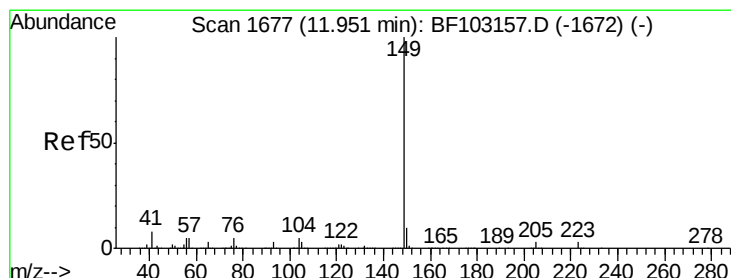
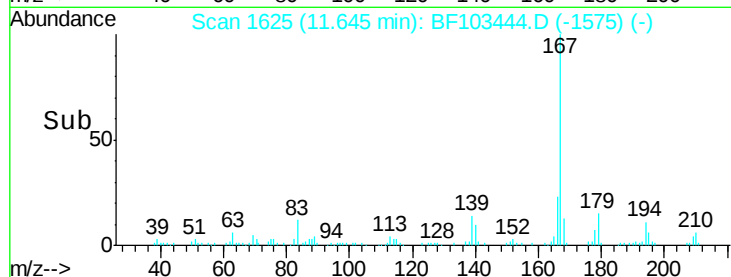
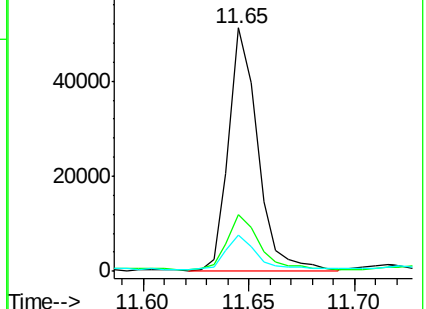
139 14.8 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 8.010 ng

RT: 11.95 min Scan# 1677

Delta R.T. -0.01 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

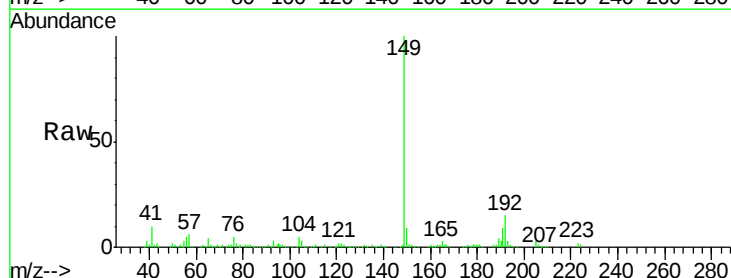
Tgt Ion:149 Resp: 161643

Ion Ratio Lower Upper

149 100

150 9.3 7.8 11.6

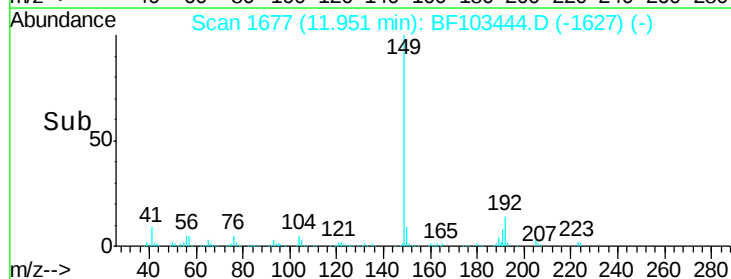
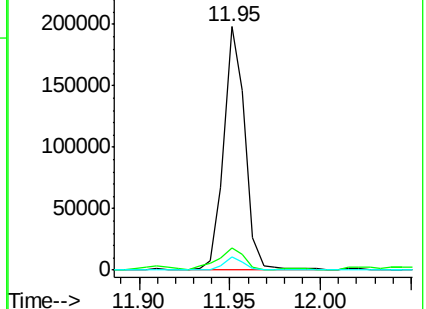
104 5.3 3.8 5.8

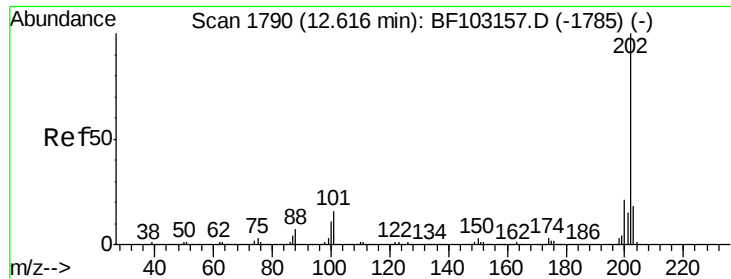


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 44.650 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

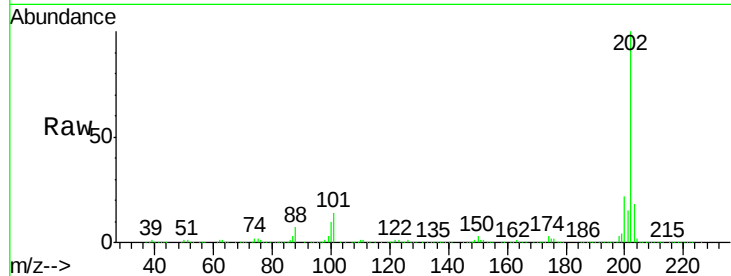
Tot Ion:202 Resp: 708611

Ion Ratio Lower Upper

202 100

101 14.0 0.0 34.1

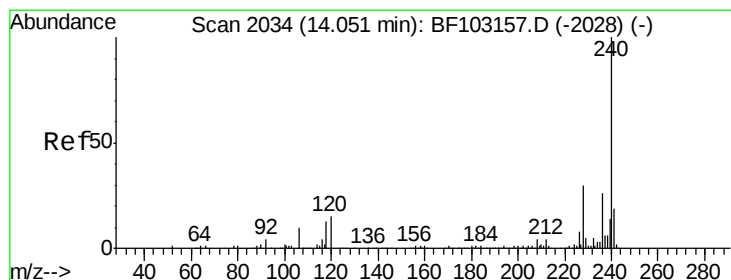
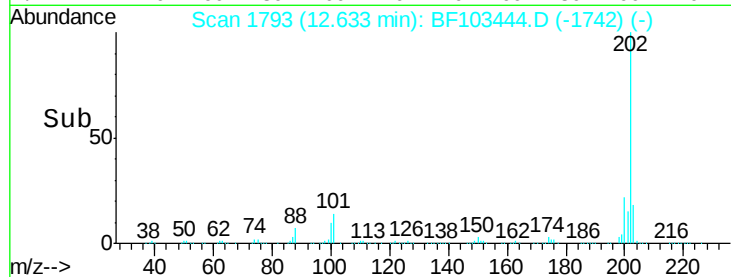
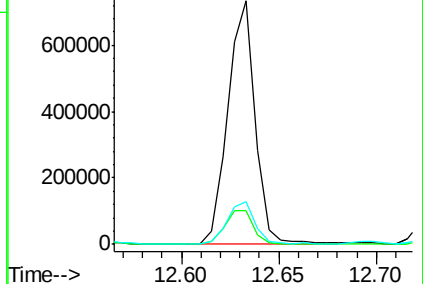
203 17.6 0.0 38.1



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

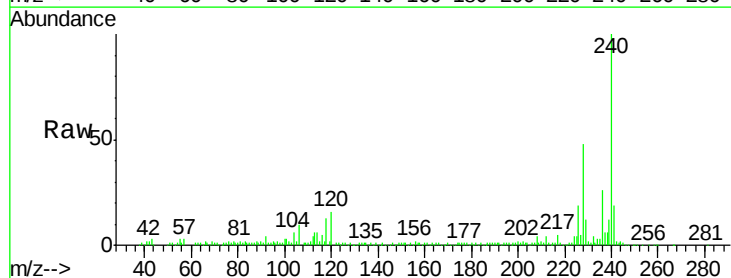
Tgt Ion:240 Resp: 185658

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

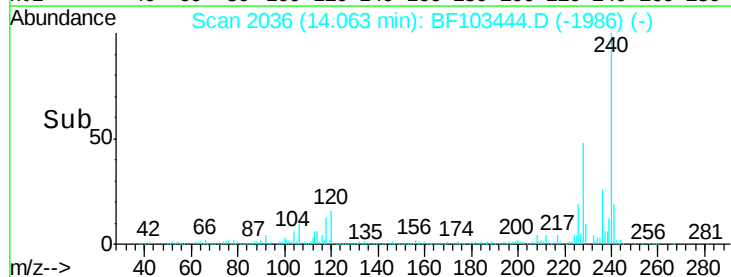
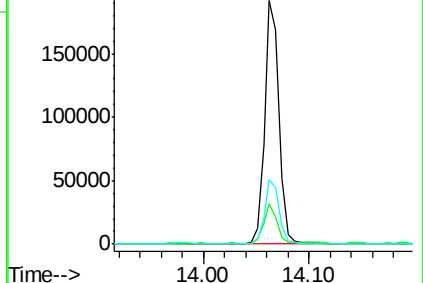
236 26.5 20.7 31.1

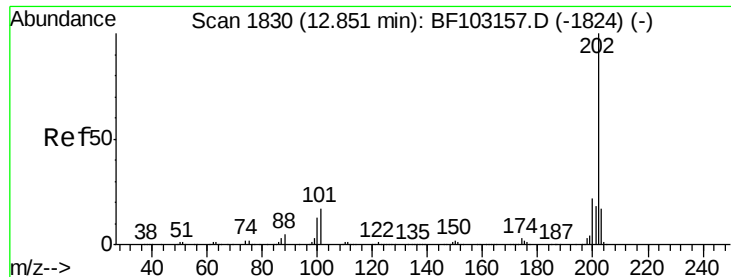


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 45.434 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

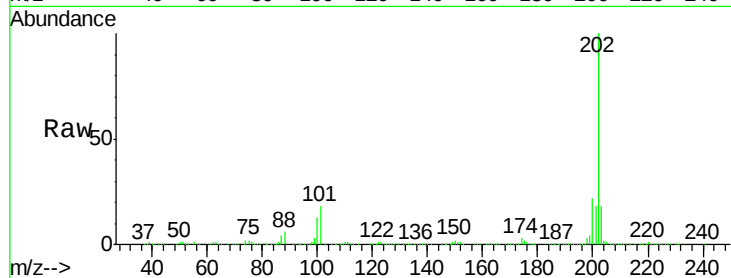
Tot Ion:202 Resp: 657659

Ion Ratio Lower Upper

202 100

200 21.6 17.4 26.2

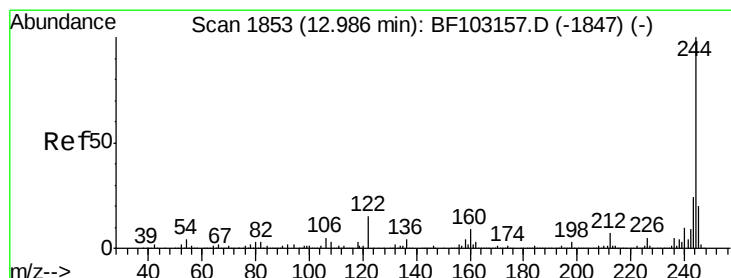
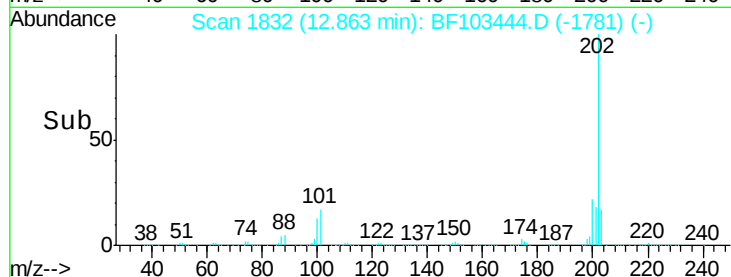
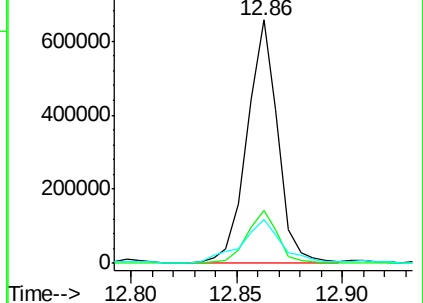
203 18.0 14.3 21.5



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: 17.188 ng

RT: 12.99 min Scan# 1854

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

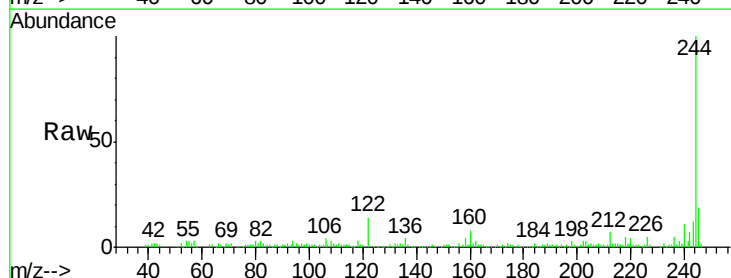
Tgt Ion:244 Resp: 132751

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

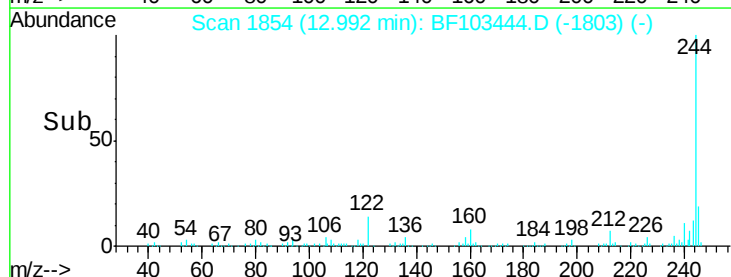
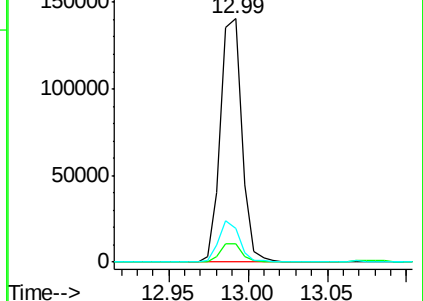
122 13.8 11.0 16.4

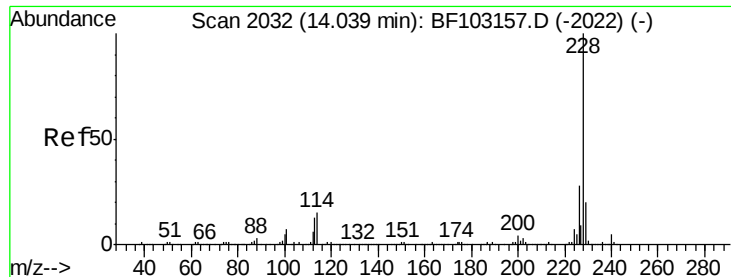


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.030 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

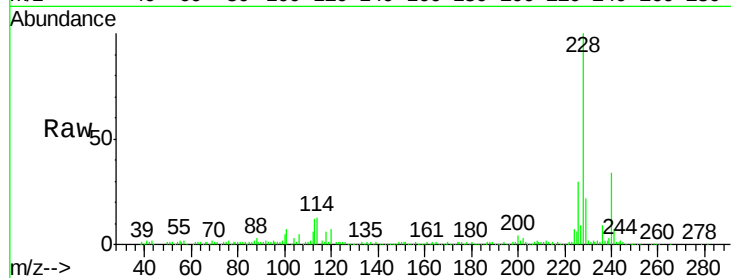
Tot Ion:228 Resp: 241281

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

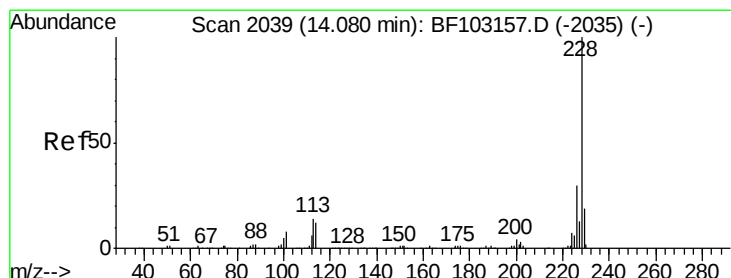
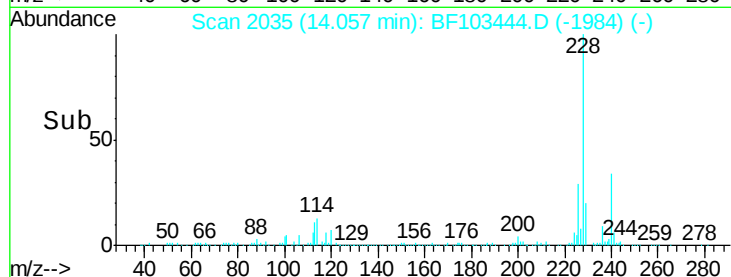
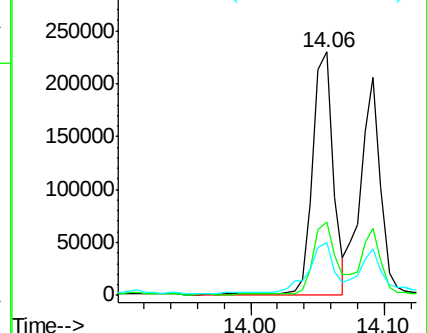
229 22.0 15.8 23.6



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: 18.521 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

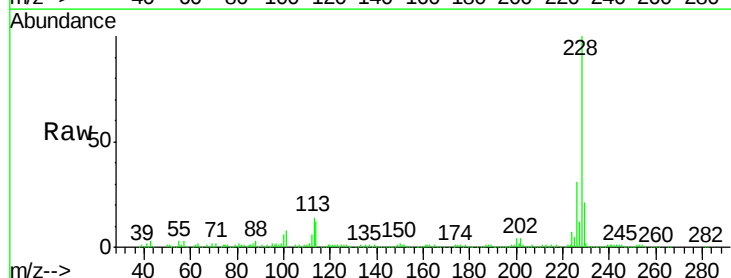
Tgt Ion:228 Resp: 216637

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

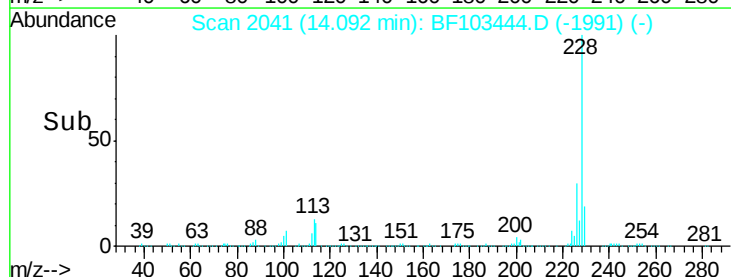
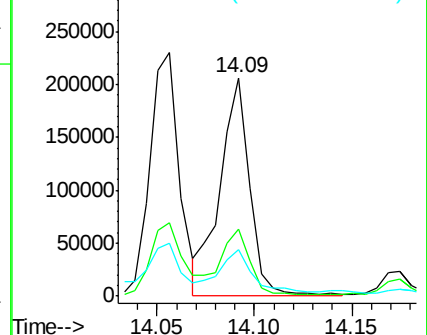
229 21.2 16.2 24.4

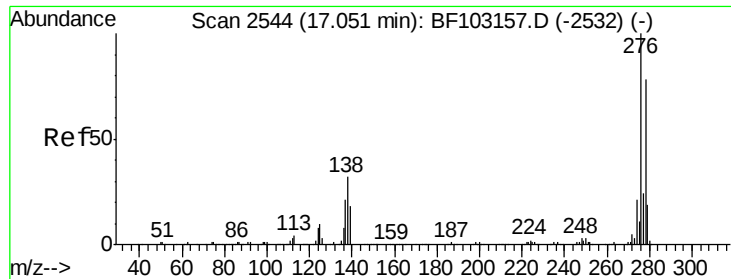


Abundance Ion 228.00 (227.70 to 228.70): E

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: 6.590 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

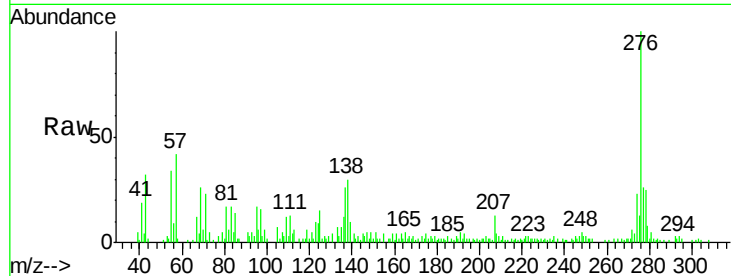
Tot Ion:276 Resp: 61026

Ion Ratio Lower Upper

276 100

138 27.6 25.0 37.6

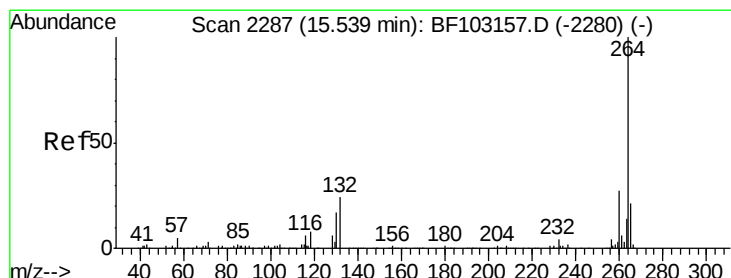
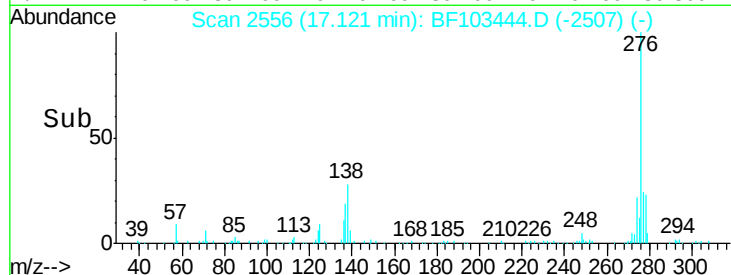
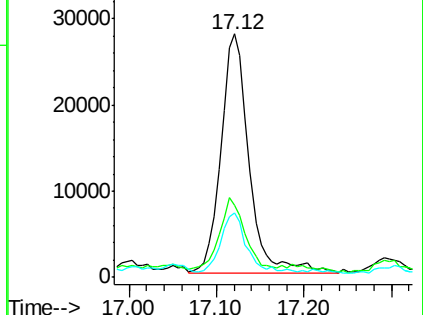
277 22.4 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

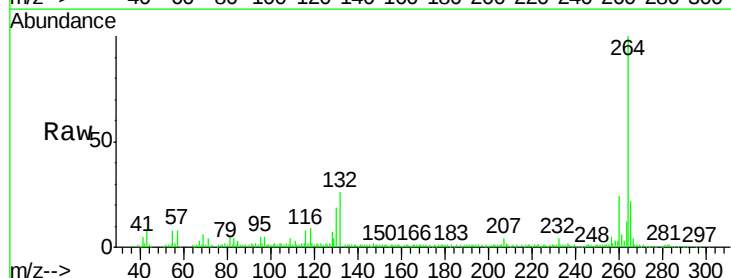
Tgt Ion:264 Resp: 144015

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

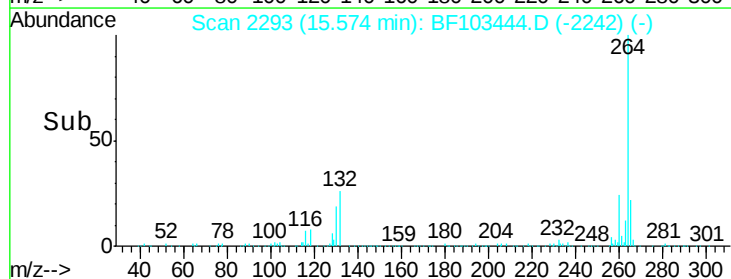
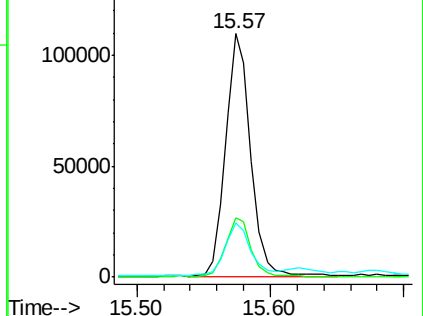
265 22.4 17.5 26.3

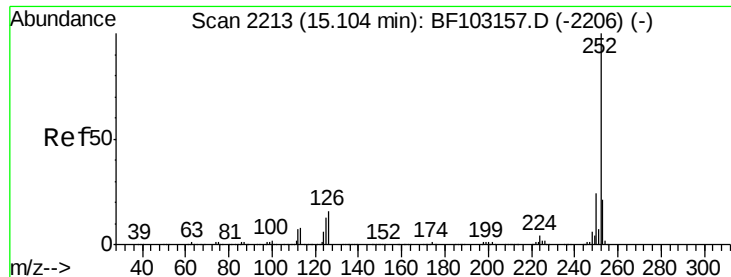


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

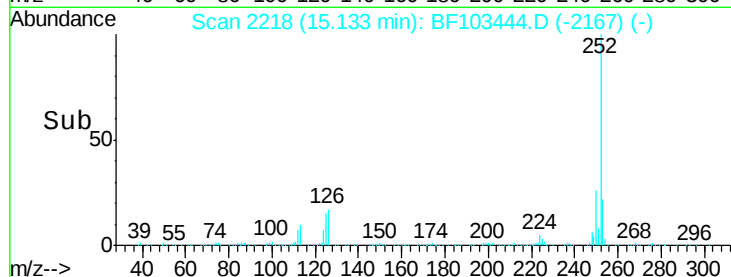
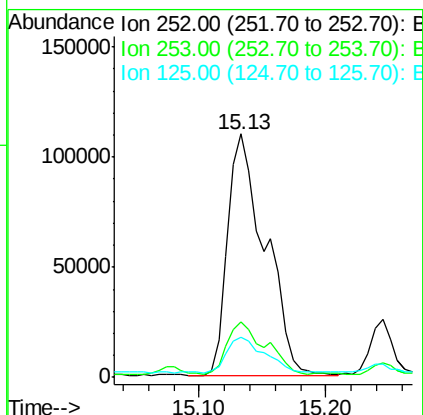
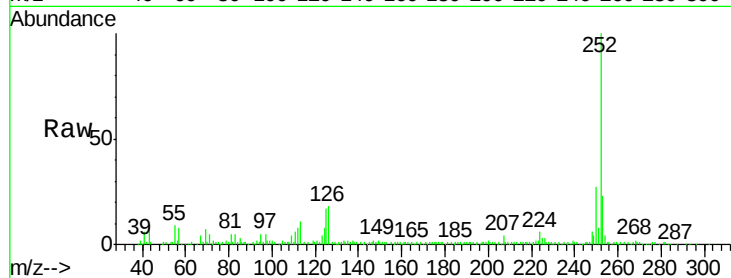




#87
Benzo(b)fluoranthene
Concen: 23.708 ng
RT: 15.13 min Scan# 2218
Delta R.T. 0.00 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

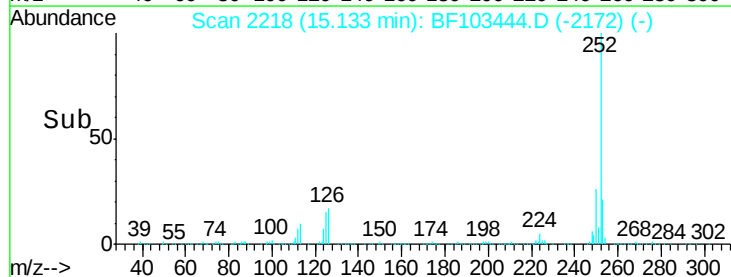
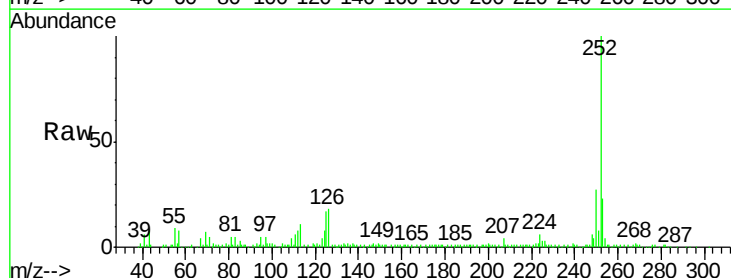
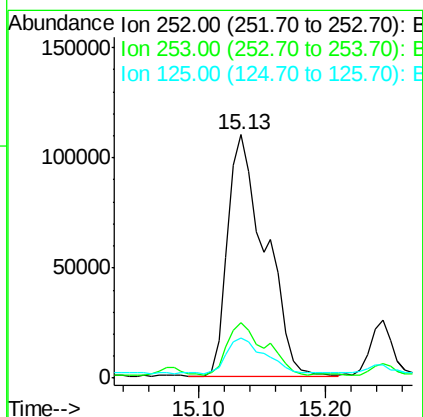
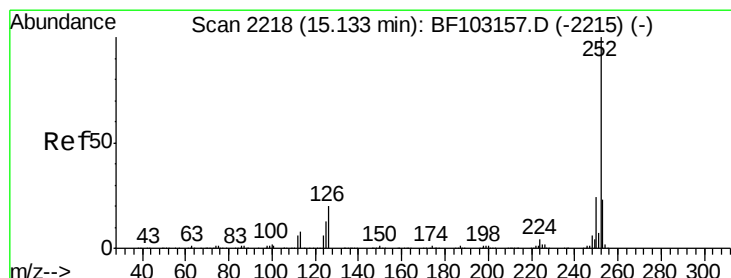
Instrument :
BNA_F
ClientSampled :

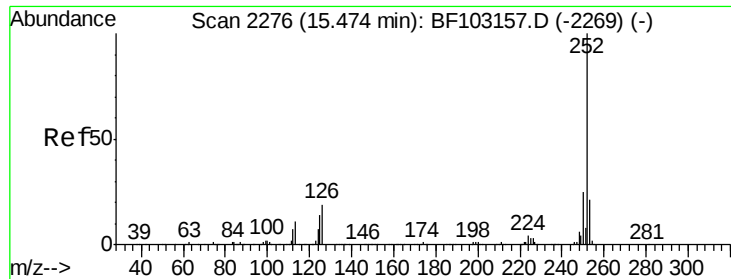
Tot Ion:252 Resp: 224486
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 16.7 9.0 13.6#



#88
Benzo(k)fluoranthene
Concen: 25.188 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.03 min
Lab File: BF103444.D
Acq: 6 Mar 2018 8:59

Tgt Ion:252 Resp: 224585
Ion Ratio Lower Upper
252 100
253 22.6 17.9 26.9
125 16.7 10.2 15.2#





#89

Benzo(a)pyrene

Concen: 15.980 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

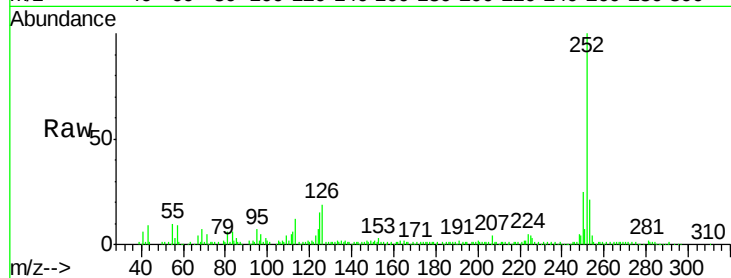
Tot Ion:252 Resp: 135119

Ion Ratio Lower Upper

252 100

253 21.3 17.1 25.7

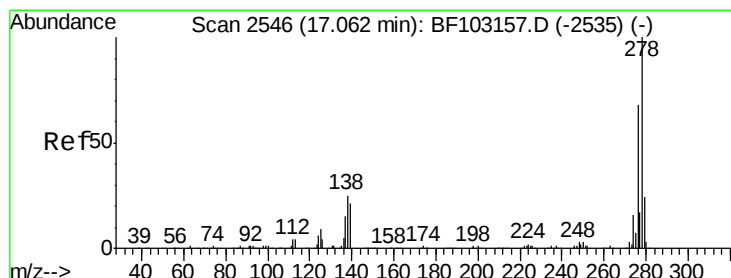
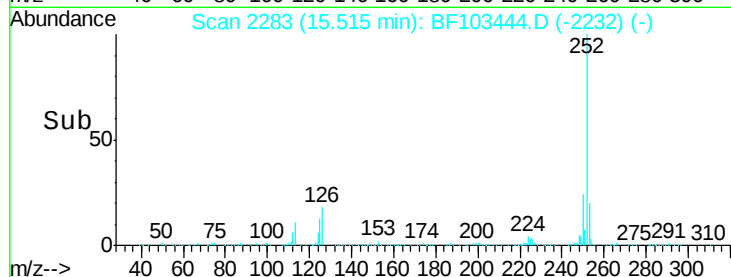
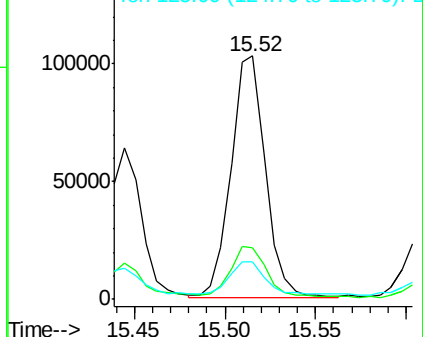
125 15.2 9.8 14.6#



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: 2.215 ng

RT: 17.12 min Scan# 2555

Delta R.T. -0.02 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

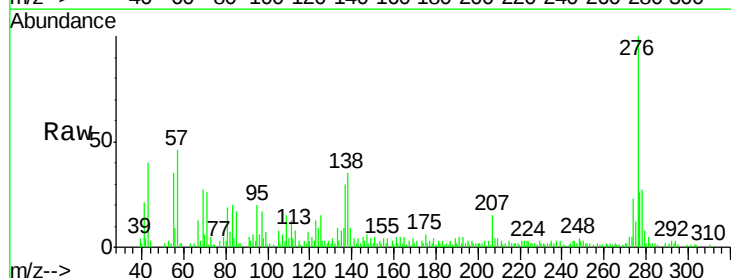
Tgt Ion:278 Resp: 14472

Ion Ratio Lower Upper

278 100

139 34.8 15.9 23.9#

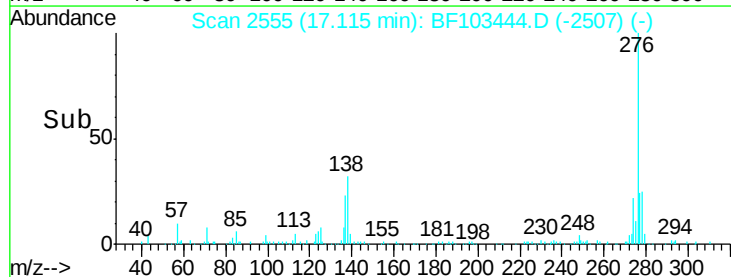
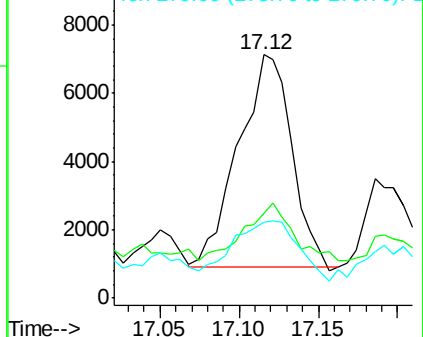
279 31.4 19.0 28.4#

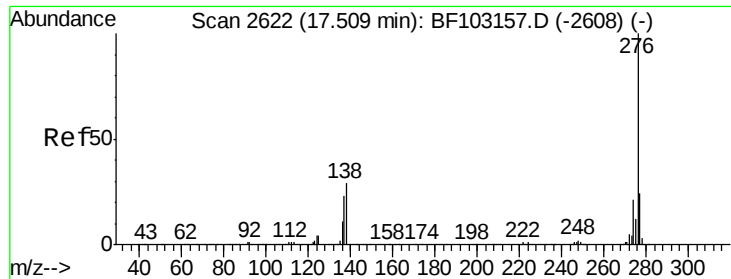


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.614 ng

RT: 17.59 min Scan# 2636

Delta R.T. 0.00 min

Lab File: BF103444.D

Acq: 6 Mar 2018 8:59

Instrument :

BNA_F

ClientSampleId :

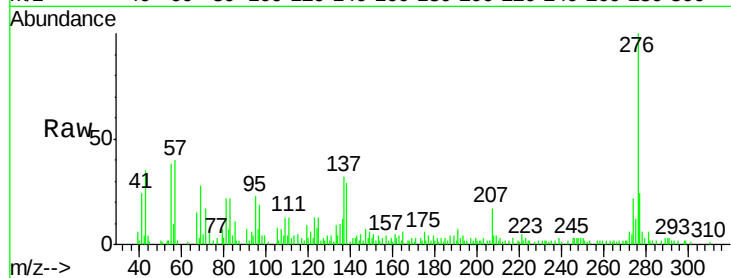
Tot Ion:276 Resp: 55006

Ion Ratio Lower Upper

276 100

277 24.2 17.9 26.9

138 29.0 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

