

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF022818\
 Data File : BF103322.D
 Acq On : 1 Mar 2018 4:44
 Operator : SJ/JU
 Sample : J1399-09DL 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 01 05:53:00 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 27 17:05:20 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	125325	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	518199	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	211602	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	297875	20.00	ng	0.00
75) Chrysene-d12	14.06	240	221316	20.00	ng	0.00
86) Perylene-d12	15.55	264	177992	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	76909	9.28	ng	0.00
7) Phenol-d6	6.51	99	91951	9.07	ng	0.00
23) Nitrobenzene-d5	7.44	82	54119	5.96	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	10635	5.94	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	99451	4.26	ng	0.00
78) Terphenyl-d14	12.99	244	58736	6.38	ng	0.00

Target Compounds

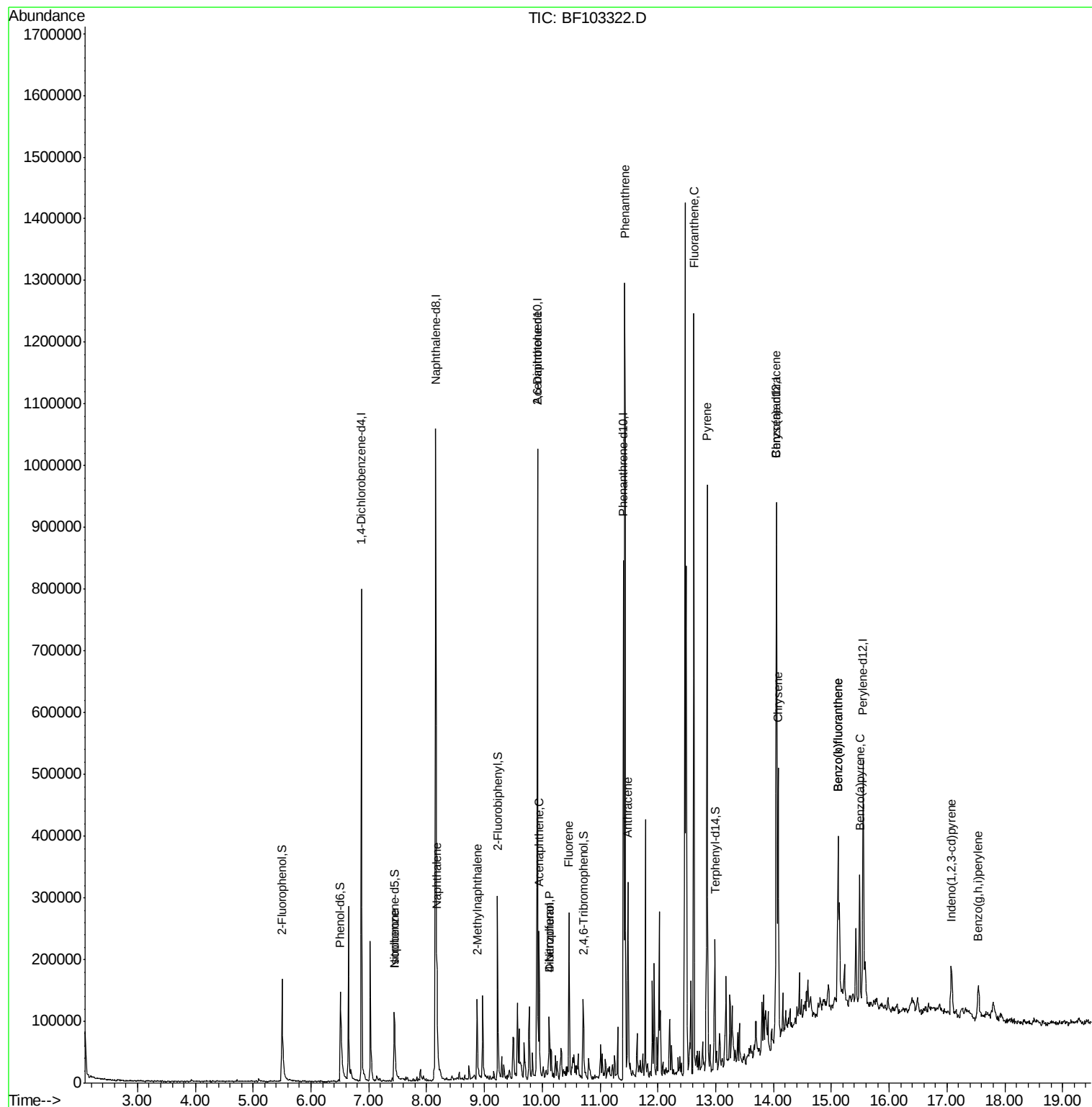
					Qvalue	
9) Benzaldehyde	6.47	77	233	Below Cal	#	1
25) Isophorone	7.44	82	54118	3.028 ng	#	64
31) Naphthalene	8.18	128	67776	2.672 ng		99
37) 2-Methylnaphthalene	8.87	142	47545	2.900 ng		93
50) 2,6-Dinitrotoluene	9.91	165	27707	7.778 ng	#	26
51) Acenaphthene	9.95	154	42192	3.352 ng		99
54) Dibenzofuran	10.12	168	38429	2.224 ng		95
55) 4-Nitrophenol	10.12	139	16350	5.837 ng	#	10
57) Fluorene	10.46	166	72913	4.954 ng		99
70) Phenanthrene	11.43	178	458156	27.948 ng		99
71) Anthracene	11.48	178	125472	7.464 ng		98
74) Fluoranthene	12.62	202	446963	27.133 ng		98
77) Pvrene	12.86	202	401054	23.243 ng		99
80) Benzo(a)anthracene	14.04	228	182333	12.697 ng		98
82) Chrysene	14.08	228	143551	10.296 ng		98
85) Indeno(1,2,3-cd)pyrene	17.07	276	46018	4.169 ng		98
87) Benzo(b)fluoranthene	15.12	252	197073	16.840 ng		96
88) Benzo(k)fluoranthene	15.12	252	197073	17.883 ng		99
89) Benzo(a)pvrene	15.49	252	99809	9.551 ng	#	94
91) Benzo(a,h,i)perylene	17.54	276	42950	5.442 ng		93

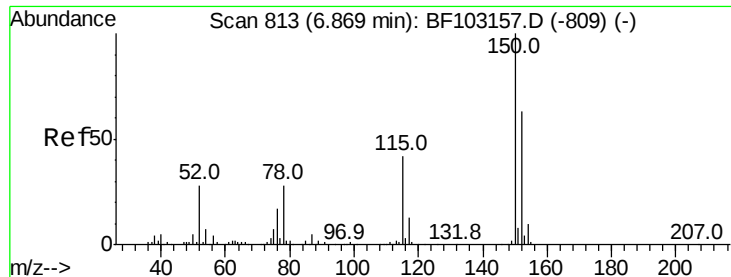
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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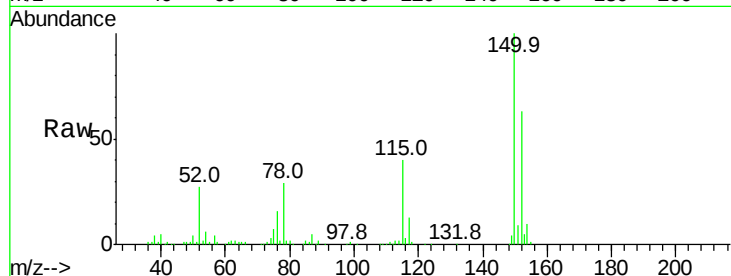


#1

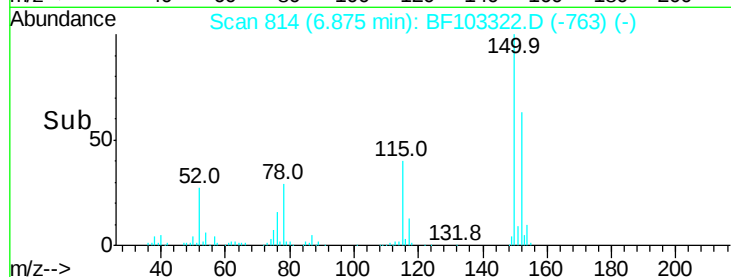
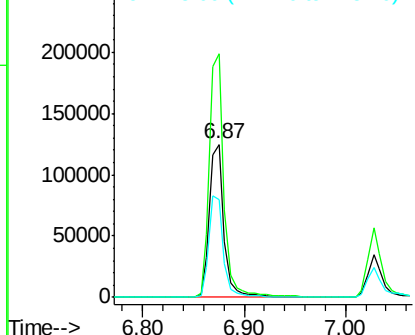
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125325
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 63.7 50.1 75.1



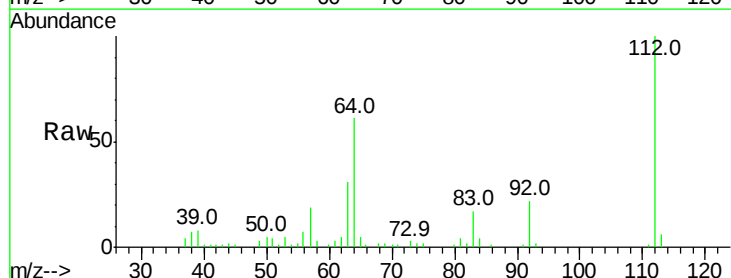
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



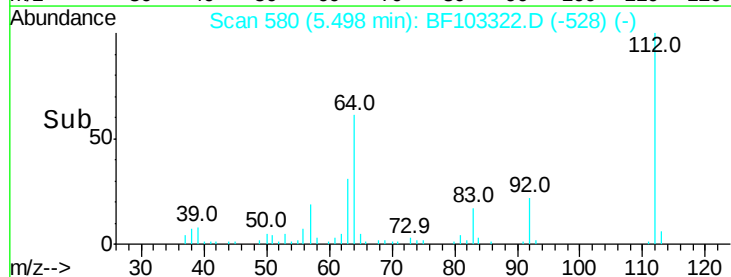
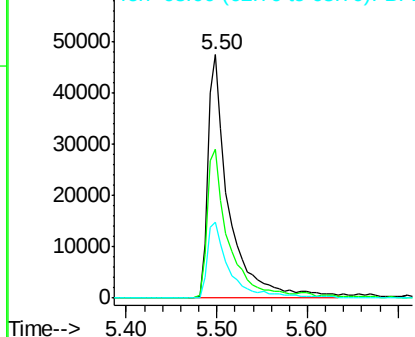
#5

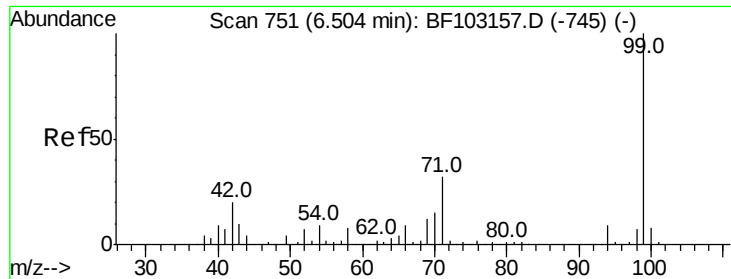
2-Fluorophenol
Concen: 9.281 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion:112 Resp: 76909
Ion Ratio Lower Upper
112 100
64 60.9 47.9 71.9
63 30.9 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: 9.069 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

ClientSampleId :

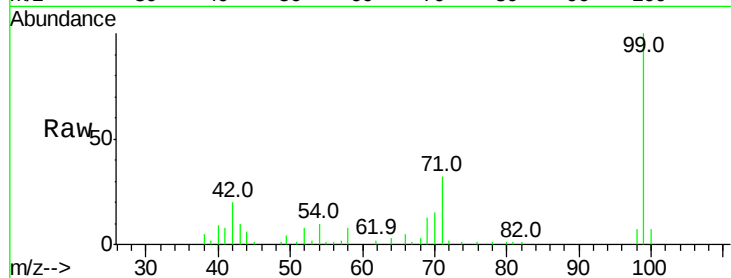
Tot Ion: 99 Resp: 91951

Ion Ratio Lower Upper

99 100

42 19.8 14.5 21.7

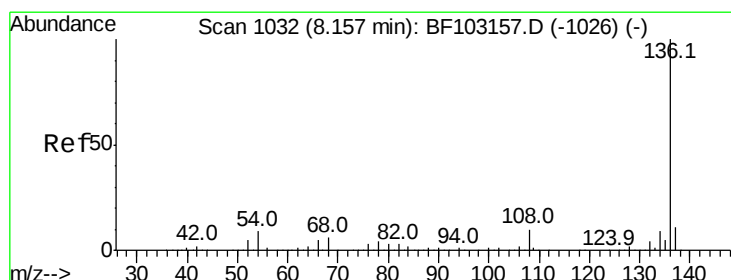
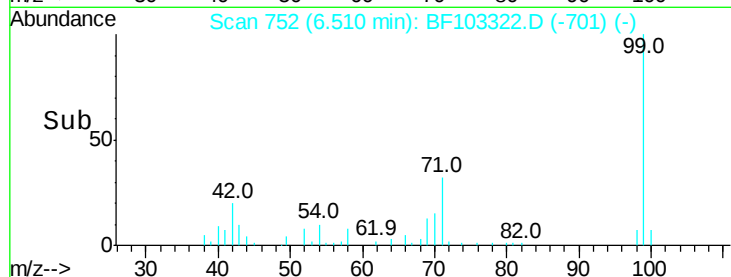
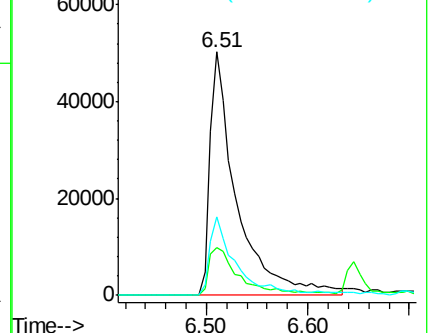
71 32.4 25.4 38.0



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: BF103322.D

Acq: 1 Mar 2018 4:44

Tgt Ion: 136 Resp: 518199

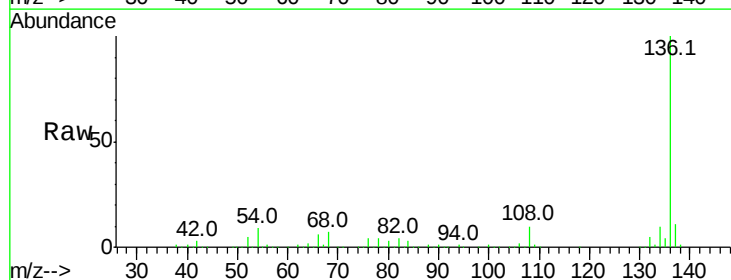
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.4 6.6 9.8

68 6.5 5.0 7.4

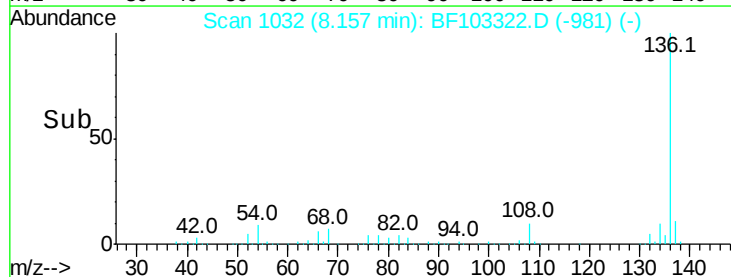
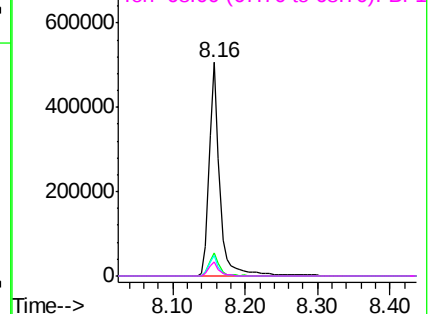


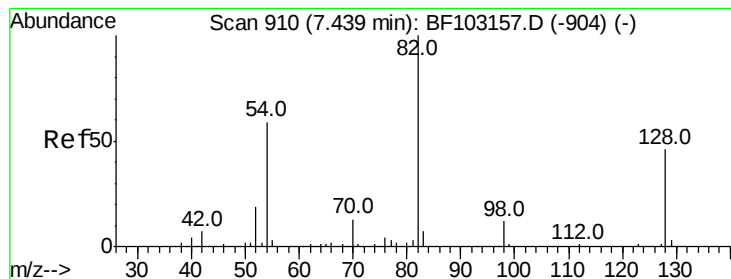
Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.964 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

ClientSampled :

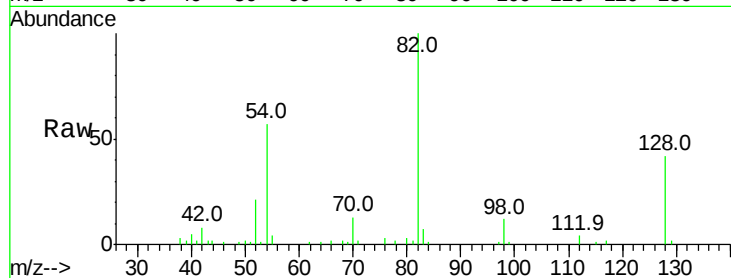
Tot Ion: 82 Resp: 54119

Ion Ratio Lower Upper

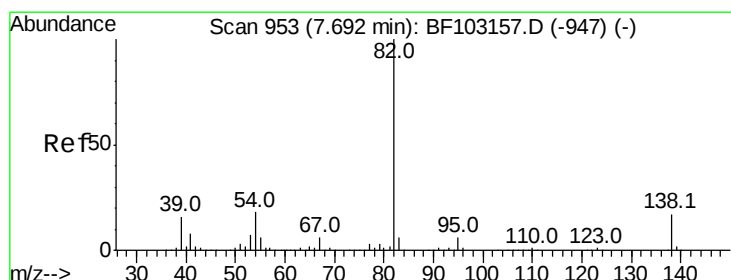
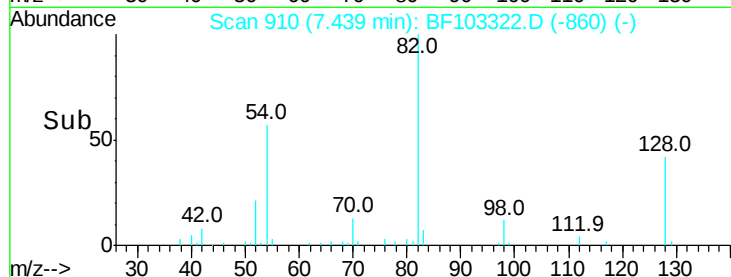
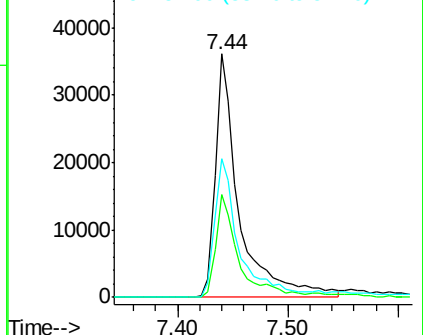
82 100

128 42.0 36.1 54.1

54 57.0 41.4 62.2



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



#25

Isophorone

Concen: 3.028 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

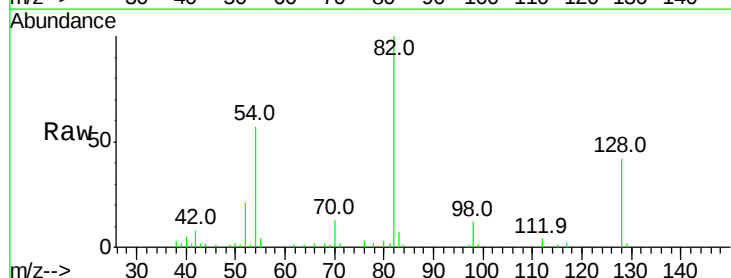
Tgt Ion: 82 Resp: 54118

Ion Ratio Lower Upper

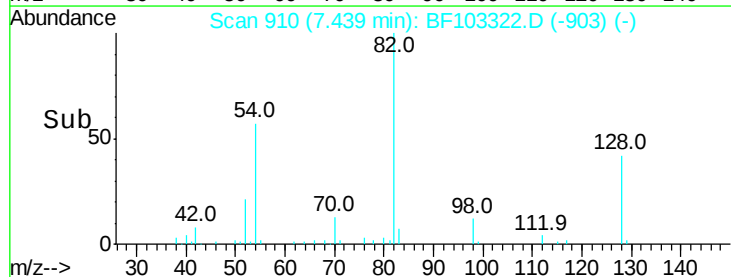
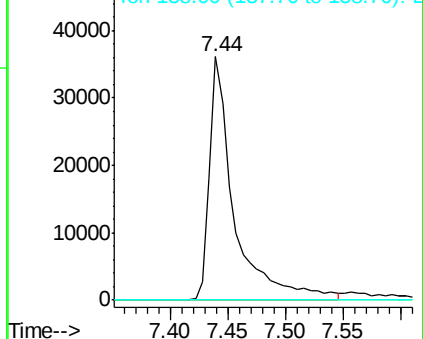
82 100

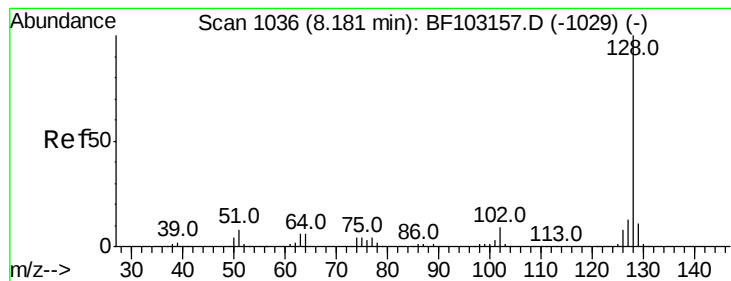
95 0.0 5.2 7.8#

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: 2.672 ng

RT: 8.18 min Scan# 1036

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

ClientSampleId :

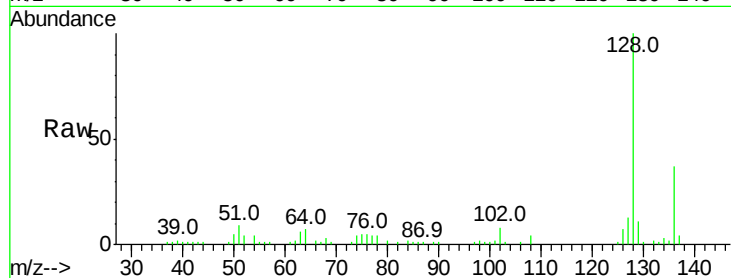
Tot Ion:128 Resp: 67776

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

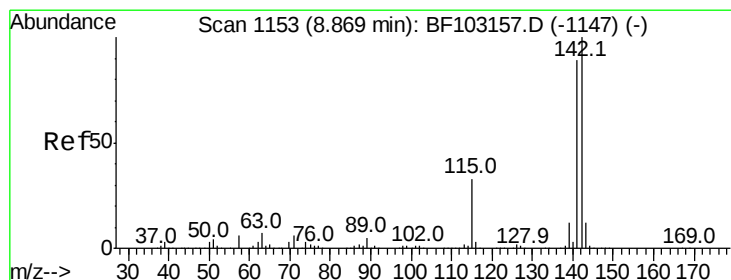
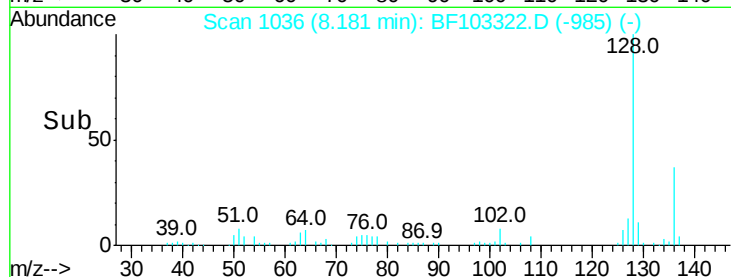
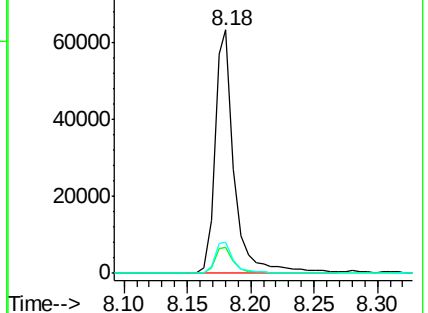
127 12.8 10.9 16.3



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



#37

2-Methylnaphthalene

Concen: 2.900 ng

RT: 8.87 min Scan# 1154

Delta R.T. 0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

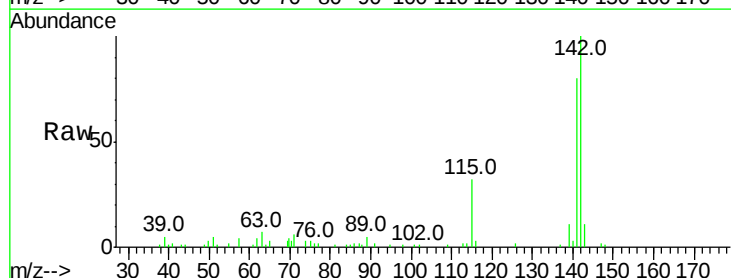
Tgt Ion:142 Resp: 47545

Ion Ratio Lower Upper

142 100

141 80.5 70.8 106.2

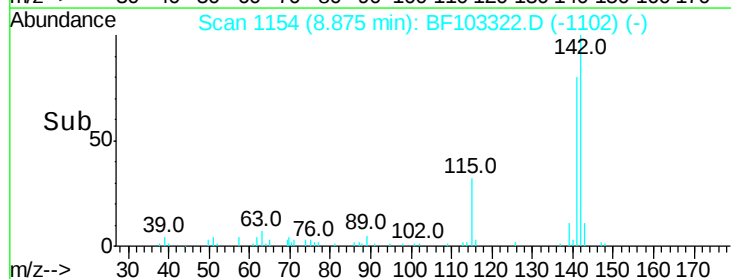
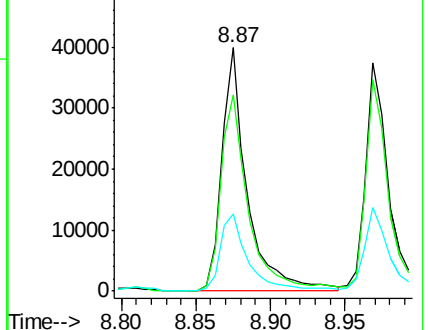
115 31.6 26.1 39.1

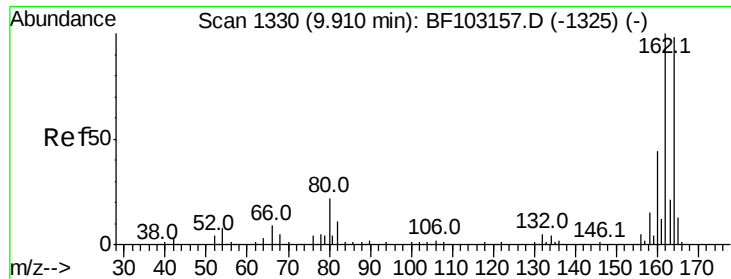


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

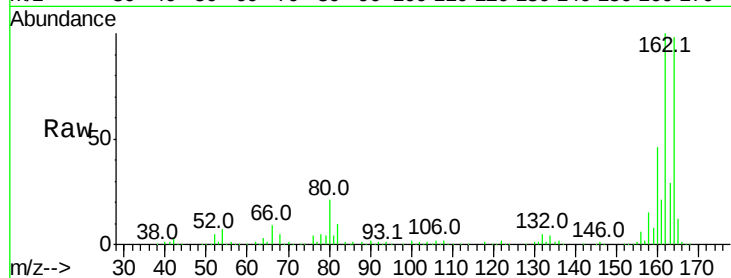




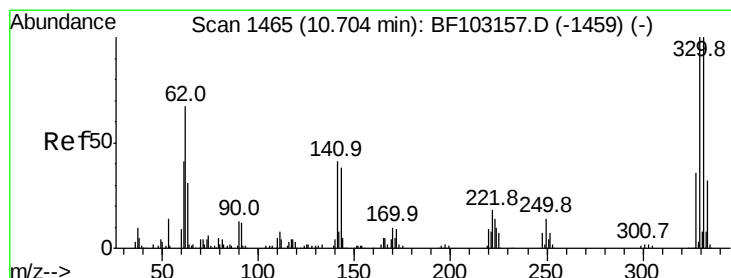
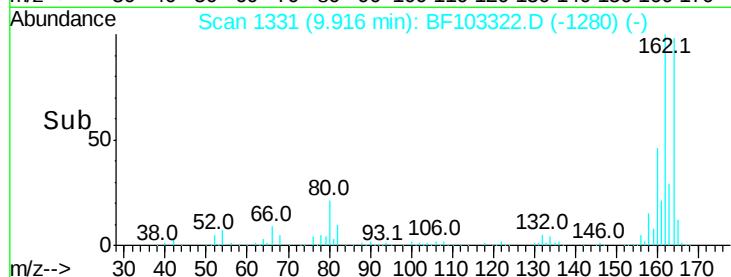
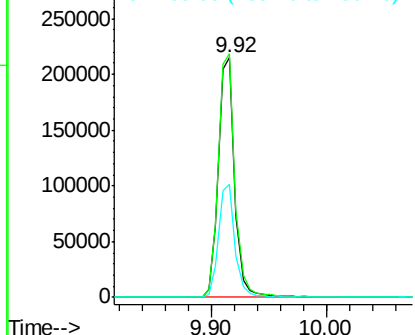
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 211602
Ion Ratio Lower Upper
164 100
162 101.8 86.1 129.1
160 47.1 38.3 57.5

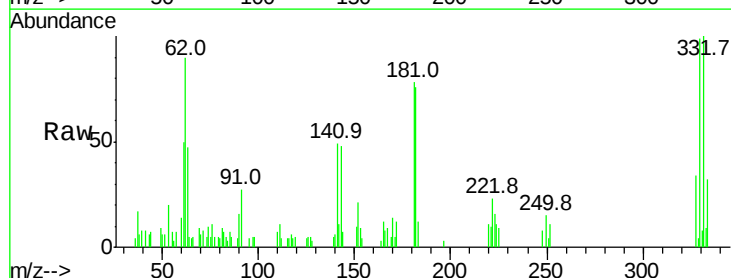


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

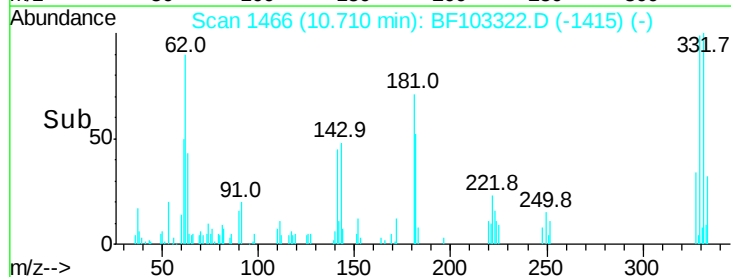
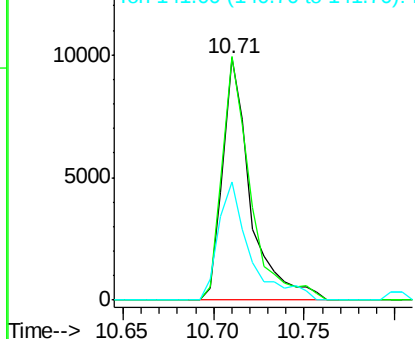


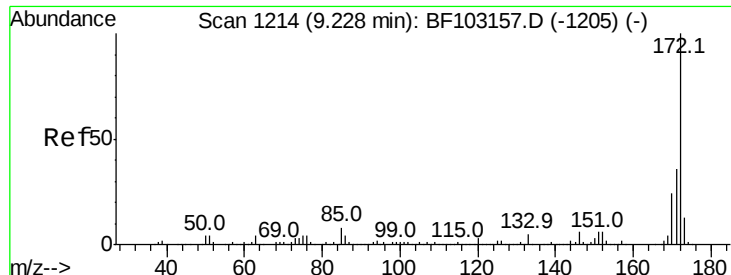
#41
2,4,6-Tribromophenol
Concen: 5.938 ng
RT: 10.71 min Scan# 1466
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion:330 Resp: 10635
Ion Ratio Lower Upper
330 100
332 102.0 77.0 115.6
141 54.5 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



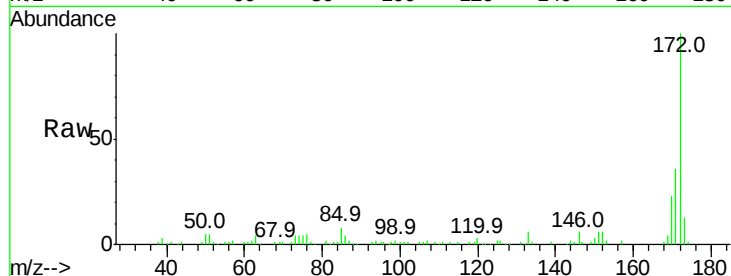


#44
 2-Fluorobiphenyl
 Concen: 4.262 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

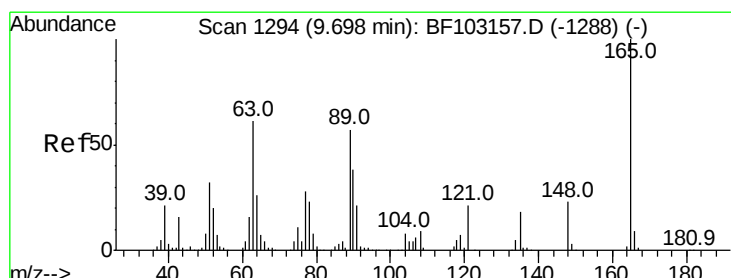
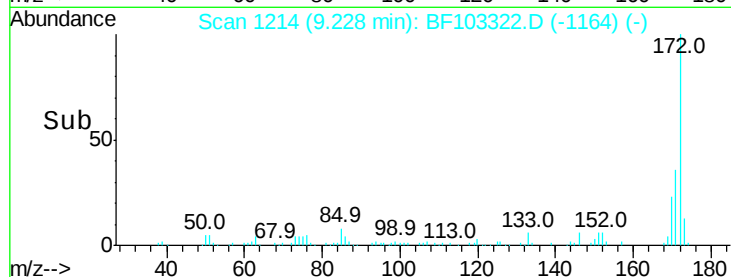
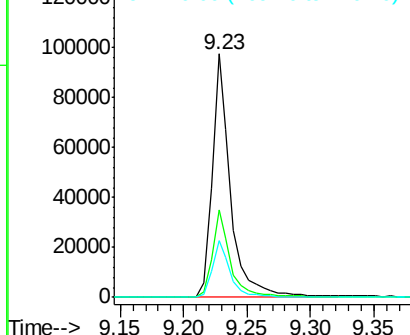
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 99451

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	23.1	19.6	29.4



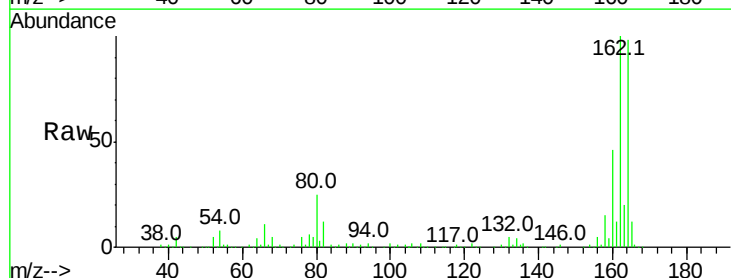
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



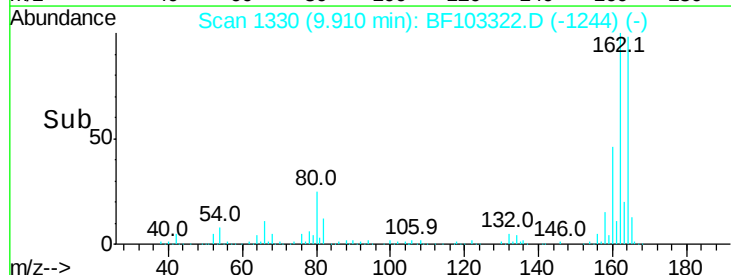
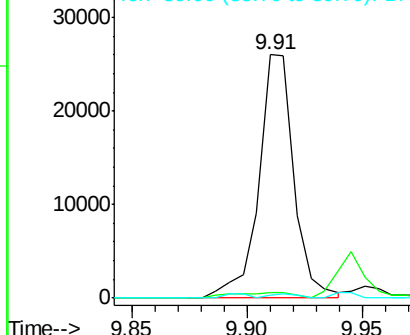
#50
 2,6-Dinitrotoluene
 Concen: 7.778 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. 0.21 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

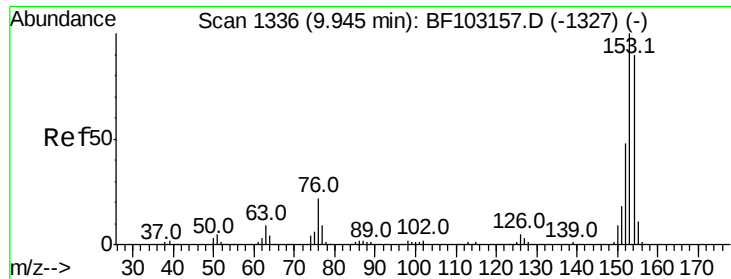
Tgt Ion:165 Resp: 27707

Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.7	67.1#
89	1.2	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: 3.352 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

ClientSampleId :

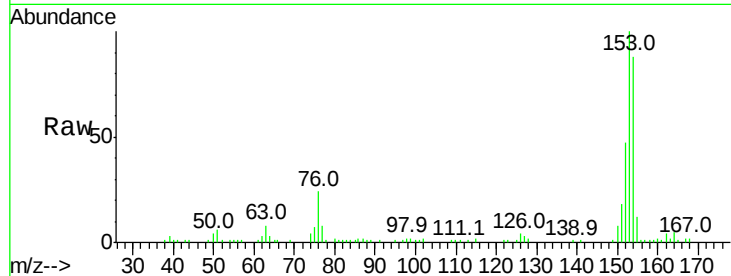
Tot Ion:154 Resp: 42192

Ion Ratio Lower Upper

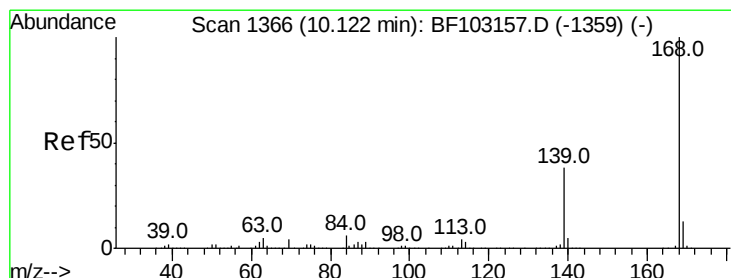
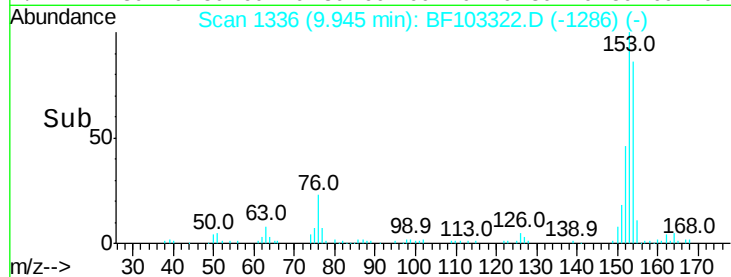
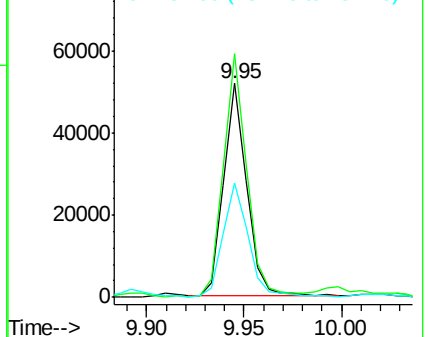
154 100

153 113.9 91.2 136.8

152 53.4 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: 2.224 ng

RT: 10.12 min Scan# 1366

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

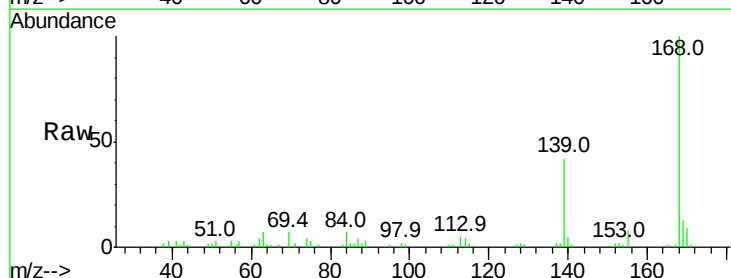
Tgt Ion:168 Resp: 38429

Ion Ratio Lower Upper

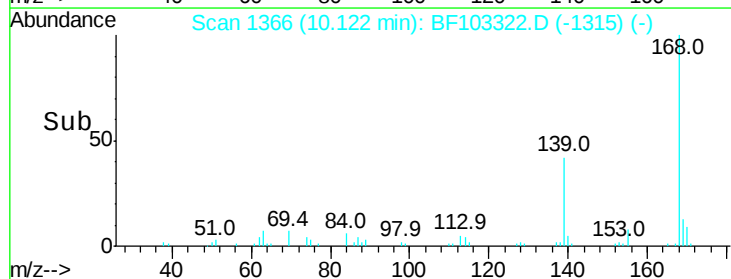
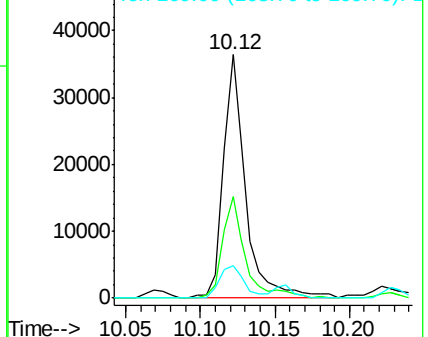
168 100

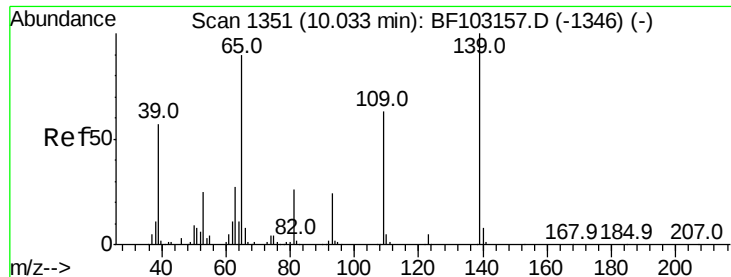
139 41.6 30.1 45.1

169 13.4 10.9 16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

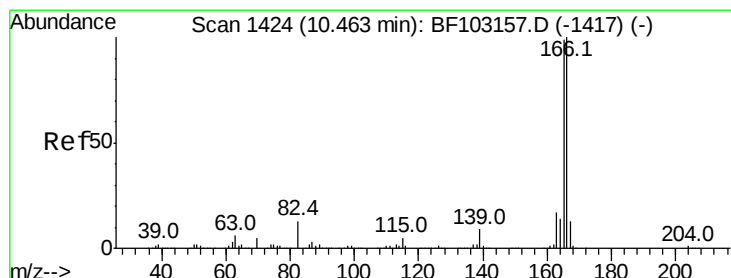
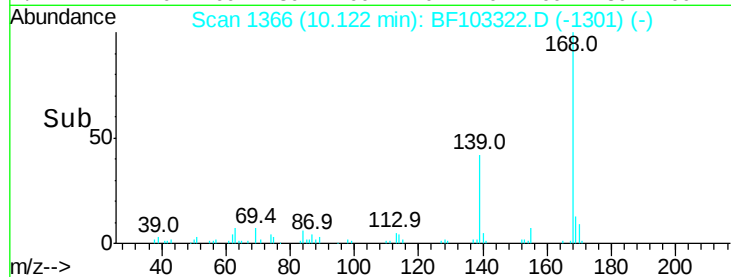
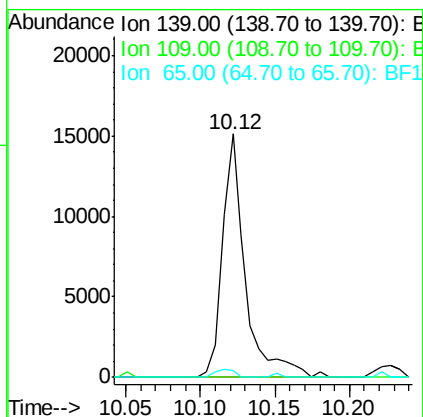
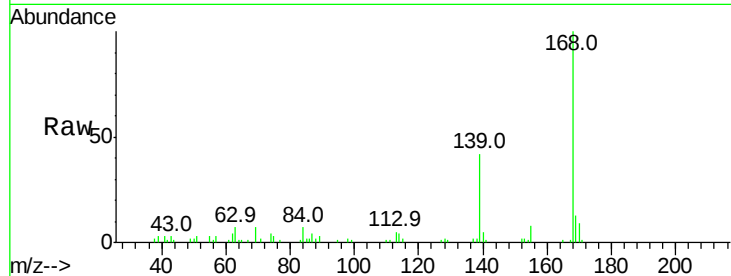




#55
4-Nitrophenol
Concen: 5.837 ng
RT: 10.12 min Scan# 1366
Delta R.T. 0.08 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

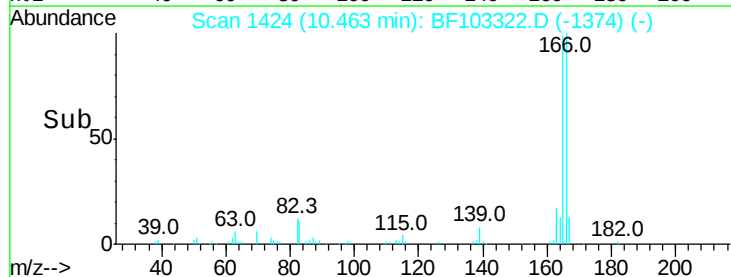
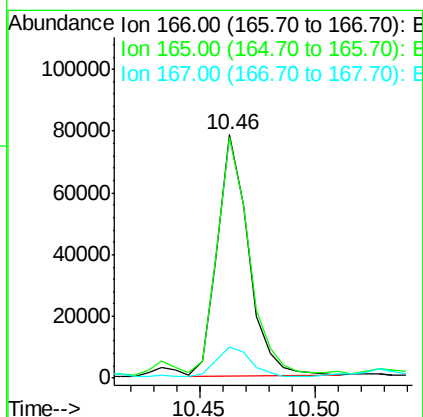
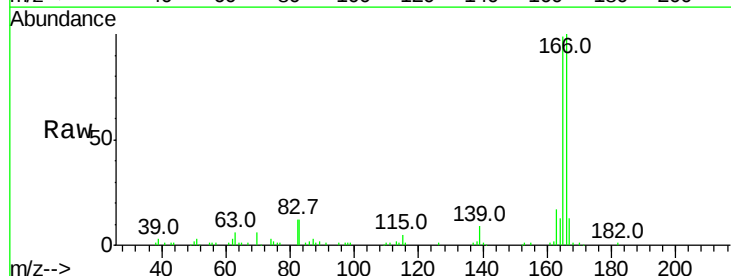
Instrument :
BNA_F
ClientSampleId :

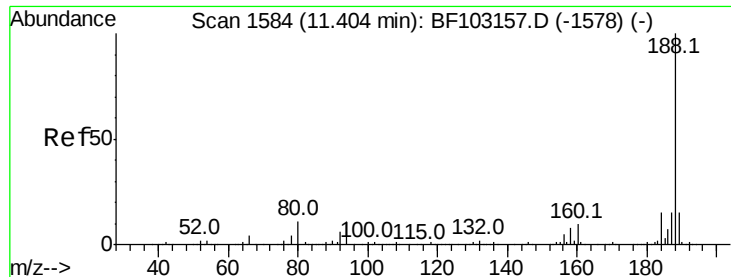
Tot Ion:139 Resp: 16350
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 2.9 72.6 112.6#



#57
Fluorene
Concen: 4.954 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion:166 Resp: 72913
Ion Ratio Lower Upper
166 100
165 99.2 79.8 119.8
167 12.6 10.6 16.0

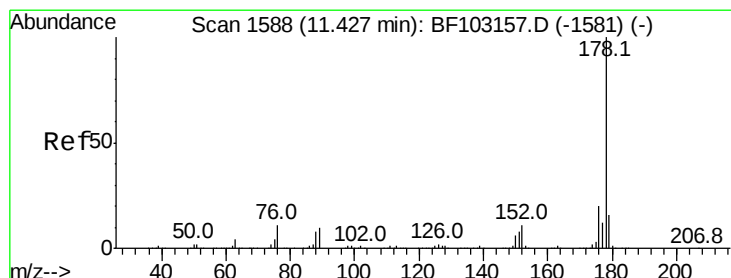
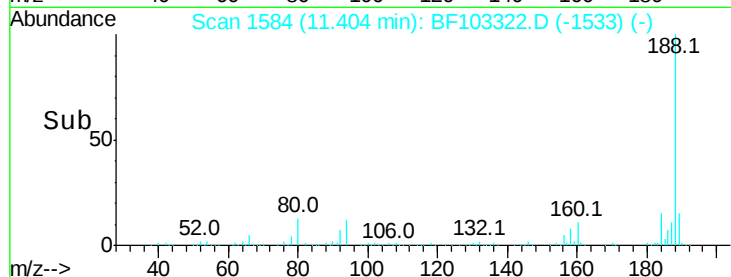
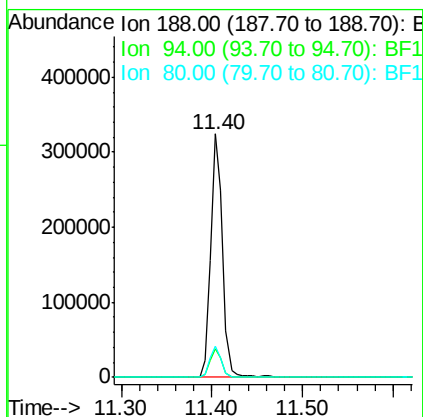
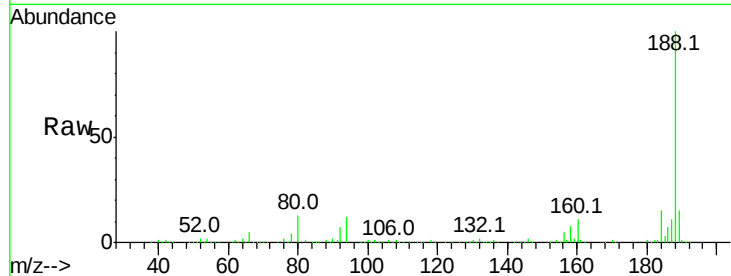




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.00 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

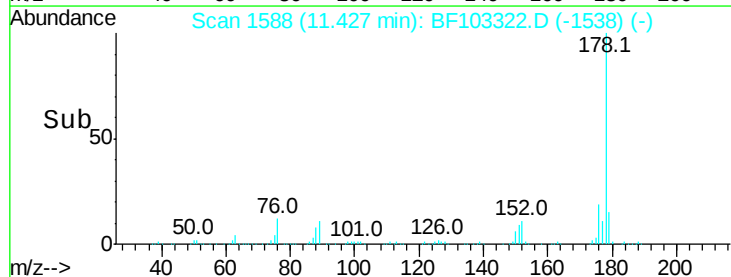
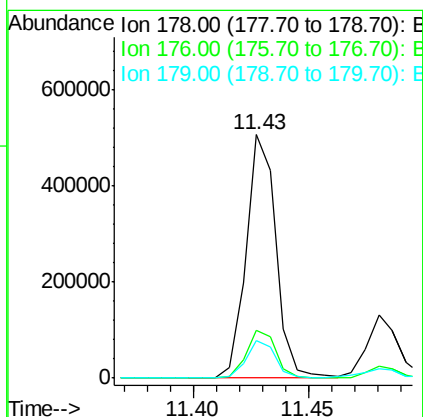
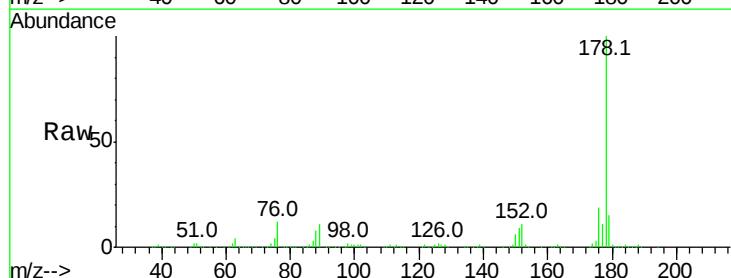
Instrument :
BNA_F
ClientSampleId :

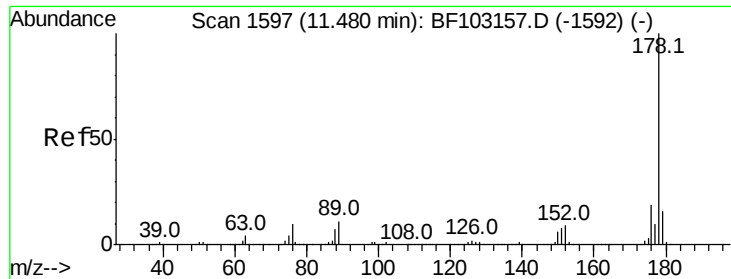
Tot Ion:188 Resp: 297875
Ion Ratio Lower Upper
188 100
94 11.6 8.5 12.7
80 12.8 9.2 13.8



#70
Phenanthrene
Concen: 27.948 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion:178 Resp: 458156
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.4 13.0 19.6

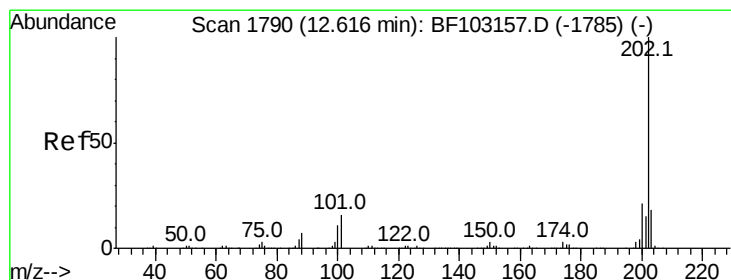
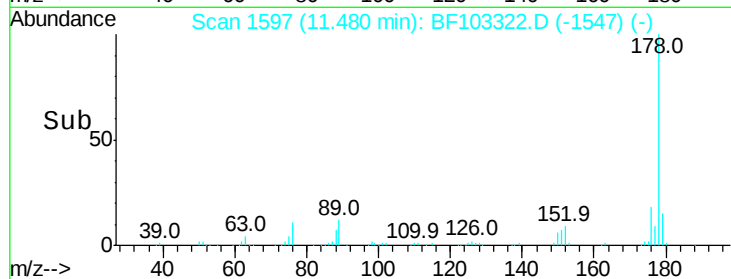
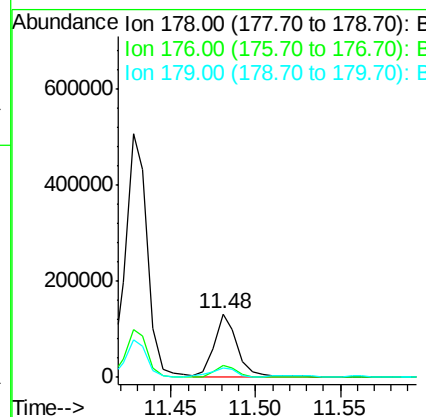
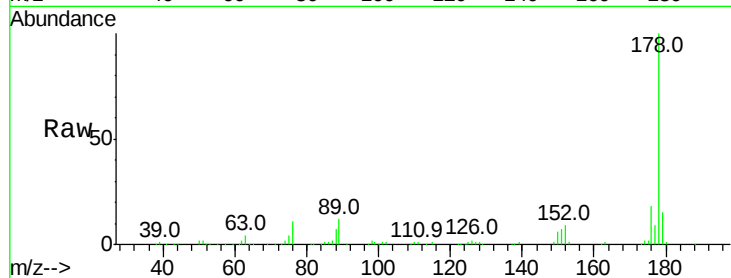




#71
 Anthracene
 Concen: 7.464 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

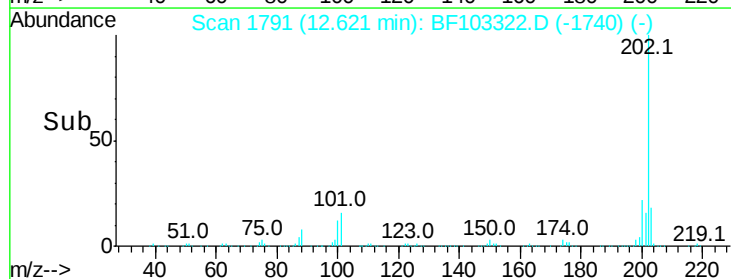
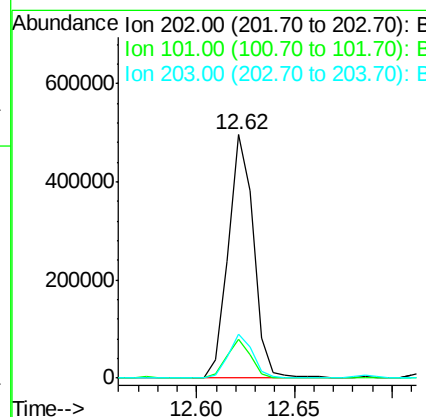
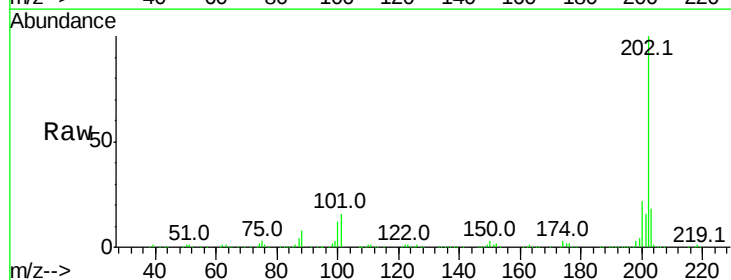
Instrument :
 BNA_F
 ClientSampleId :

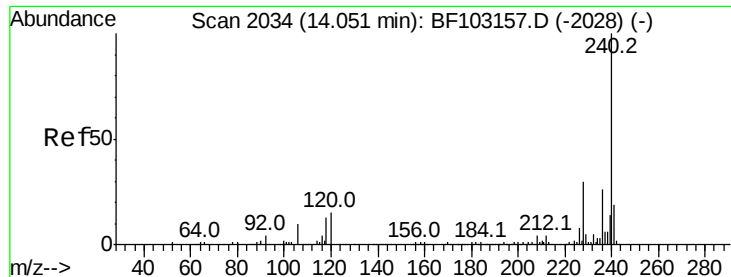
Tot Ion:178 Resp: 125472
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 15.1 12.6 19.0



#74
 Fluoranthene
 Concen: 27.133 ng
 RT: 12.62 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

Tgt Ion:202 Resp: 446963
 Ion Ratio Lower Upper
 202 100
 101 15.9 0.0 34.1
 203 18.2 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

ClientSampleId :

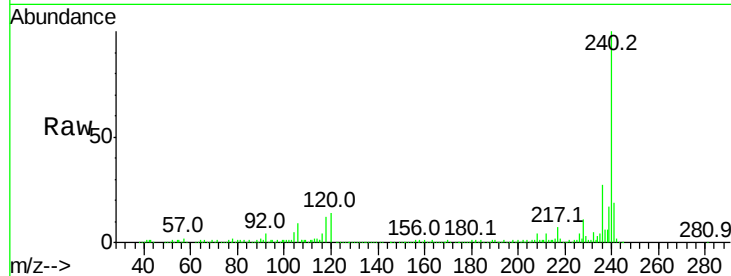
Tot Ion:240 Resp: 221316

Ion Ratio Lower Upper

240 100

120 13.8 9.5 14.3

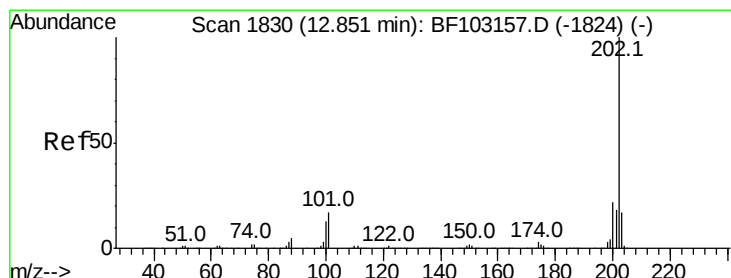
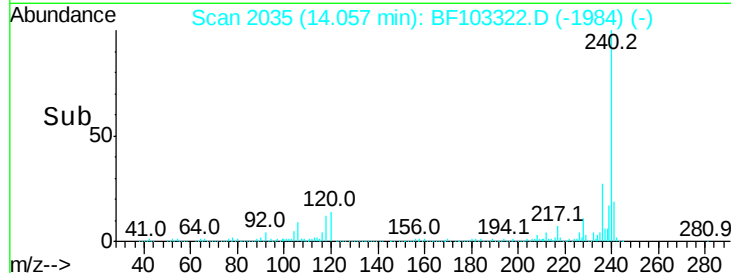
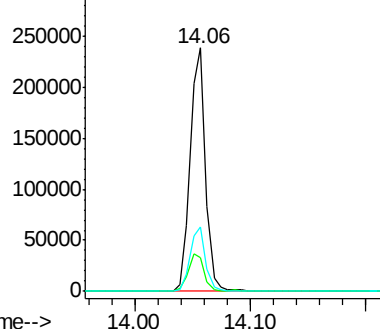
236 26.7 20.7 31.1



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: 23.243 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

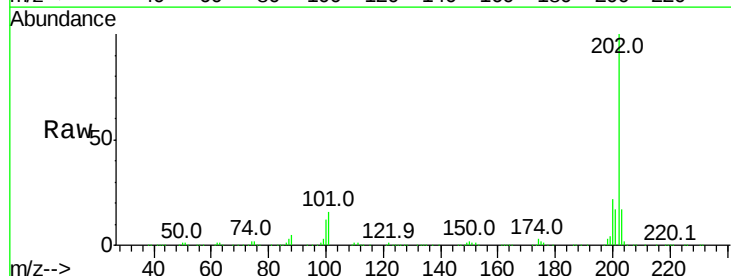
Tgt Ion:202 Resp: 401054

Ion Ratio Lower Upper

202 100

200 21.8 17.4 26.2

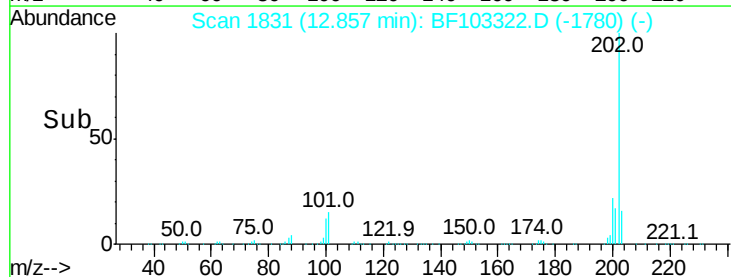
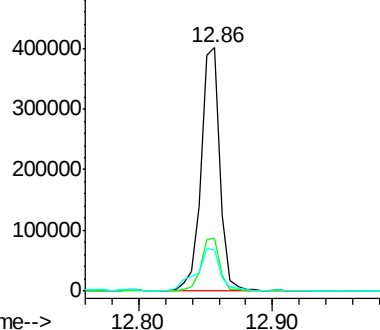
203 16.9 14.3 21.5

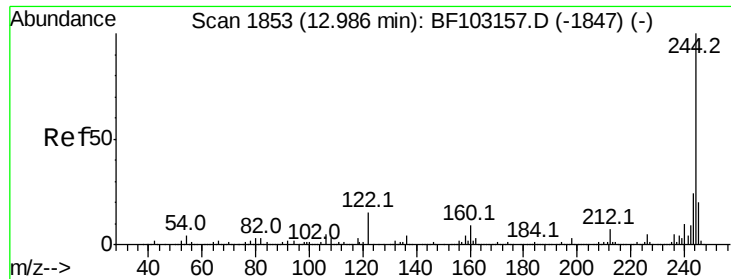


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.380 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

ClientSampleId :

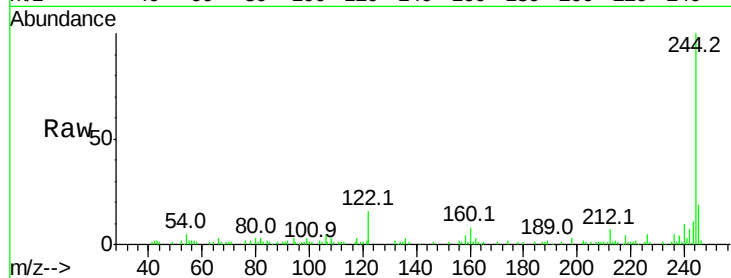
Tot Ion:244 Resp: 58736

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

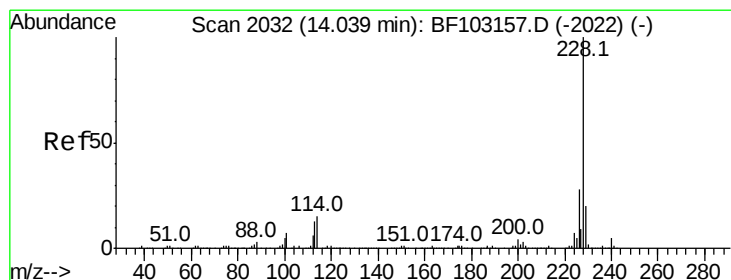
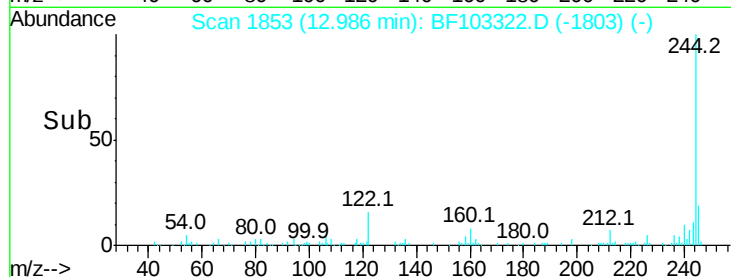
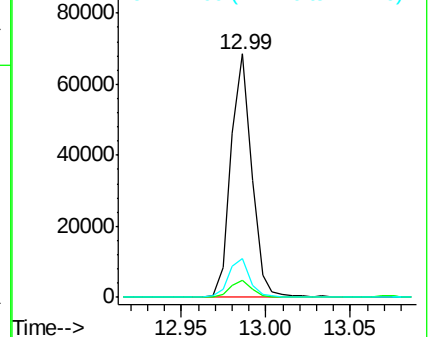
122 16.1 11.0 16.4



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: 12.697 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.00 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

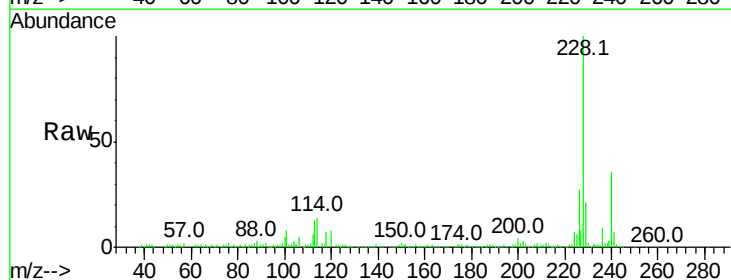
Tgt Ion:228 Resp: 182333

Ion Ratio Lower Upper

228 100

226 27.1 22.6 33.8

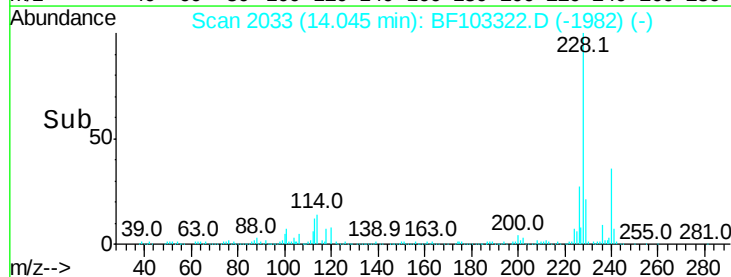
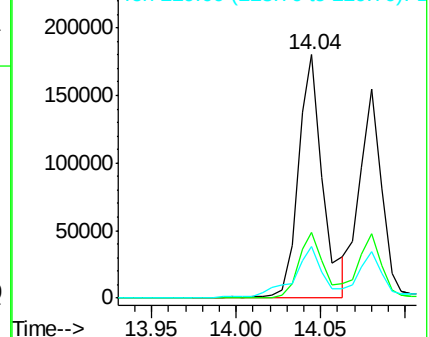
229 21.0 15.8 23.6

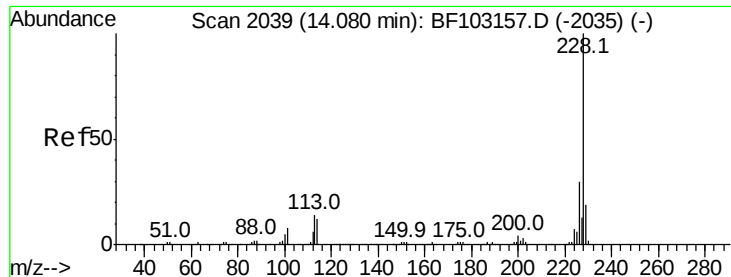


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 10.296 ng

RT: 14.08 min Scan# 2039

Delta R.T. -0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

Instrument :

BNA_F

ClientSampled :

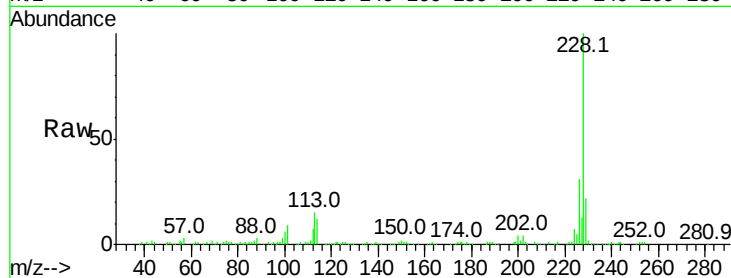
Tot Ion:228 Resp: 143551

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.6

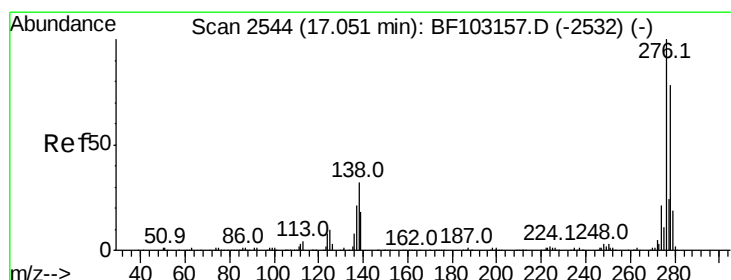
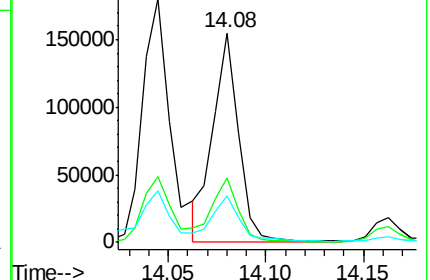
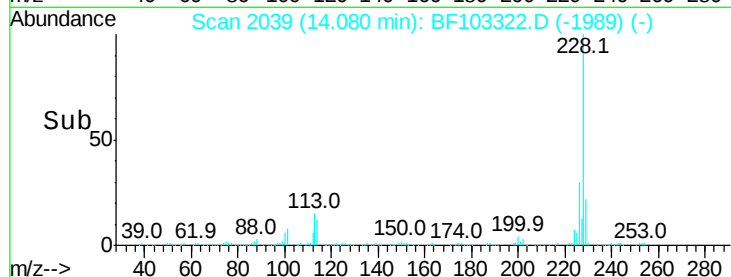
229 22.2 16.2 24.4



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: 4.169 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.01 min

Lab File: BF103322.D

Acq: 1 Mar 2018 4:44

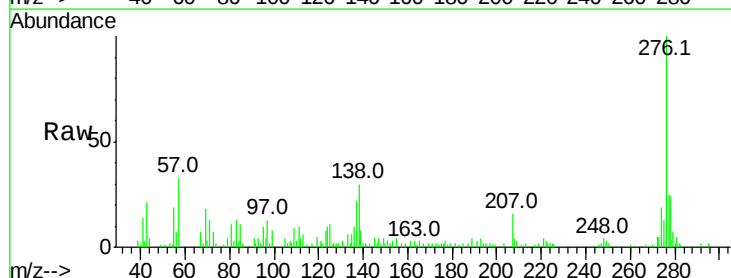
Tgt Ion:276 Resp: 46018

Ion Ratio Lower Upper

276 100

138 30.3 25.0 37.6

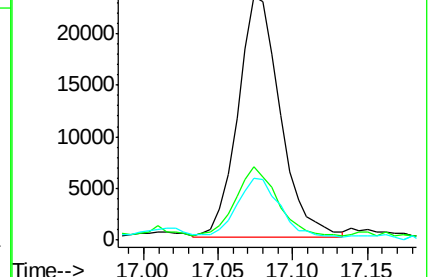
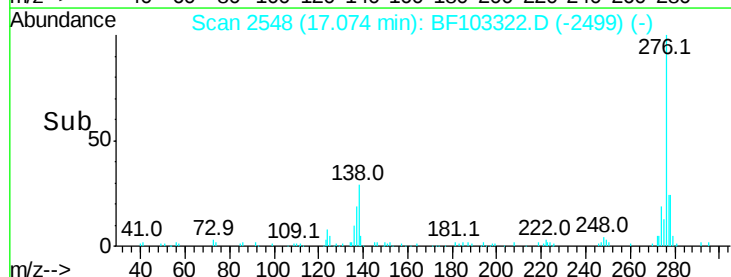
277 24.4 20.1 30.1

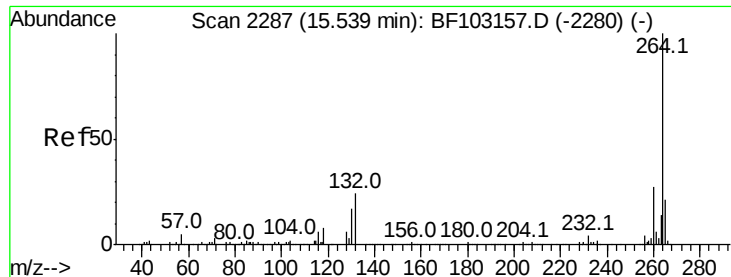


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

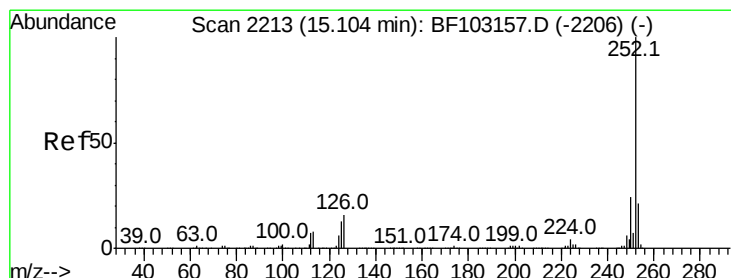
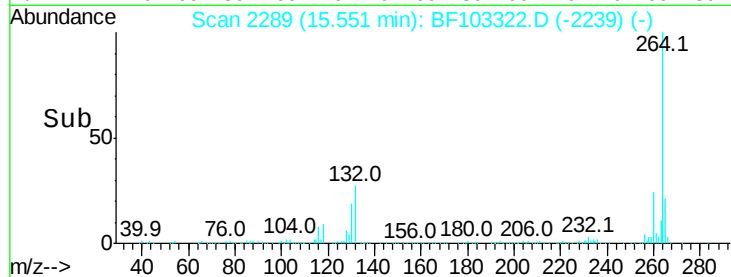
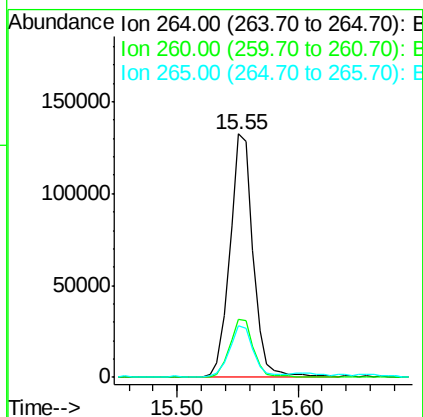
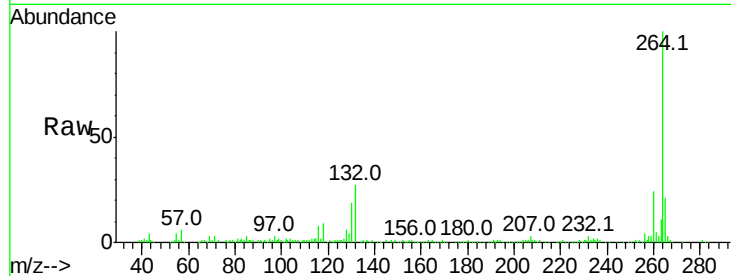




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.55 min Scan# 2289
 Delta R.T. -0.01 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

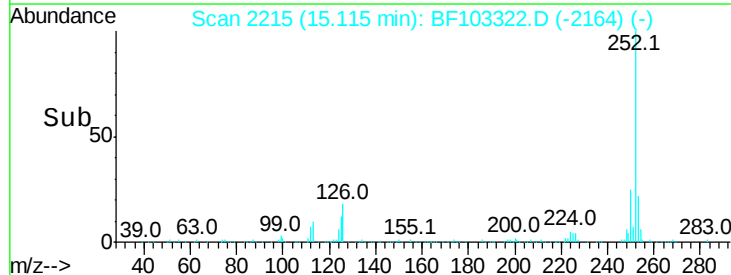
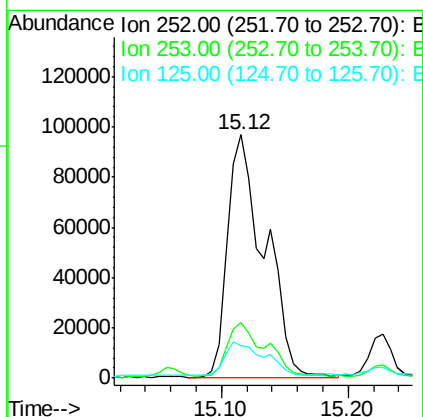
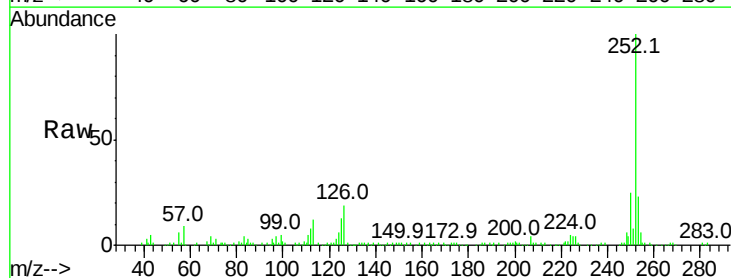
Instrument :
 BNA_F
 ClientSampleId :

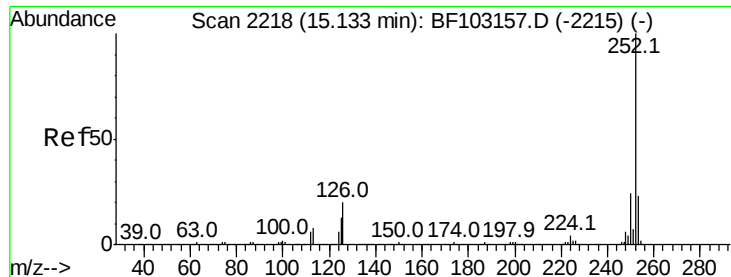
Tot Ion:264 Resp: 177992
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.3 17.5 26.3



#87
 Benzo(b)fluoranthene
 Concen: 16.840 ng
 RT: 15.12 min Scan# 2215
 Delta R.T. 0.00 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

Tgt Ion:252 Resp: 197073
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.0 25.6
 125 13.4 9.0 13.6

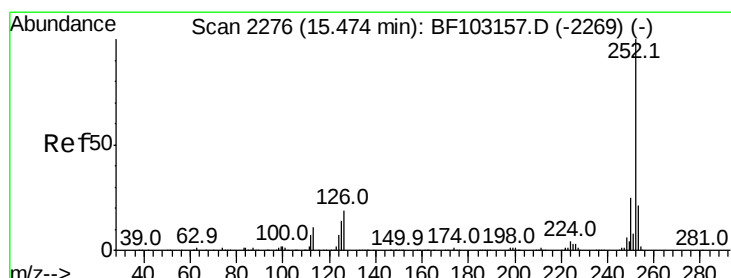
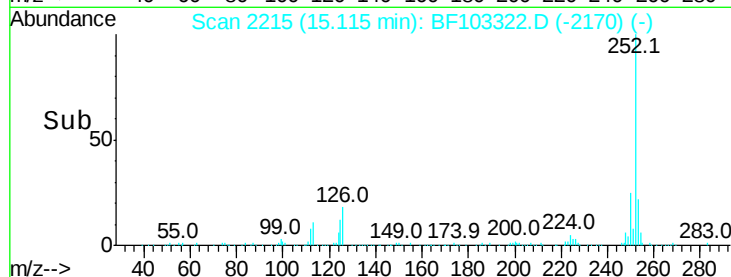
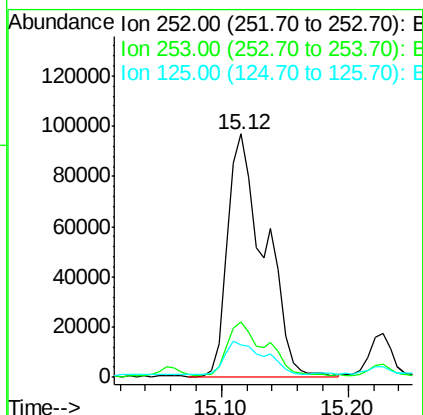
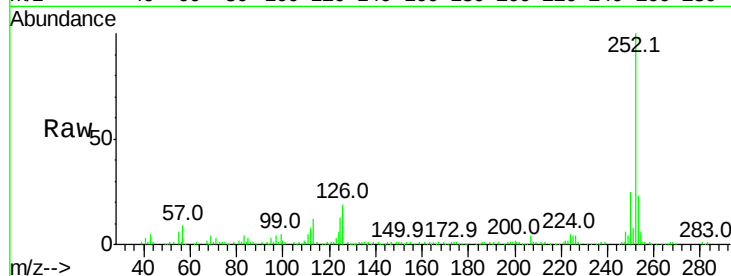




#88
Benzo(k)fluoranthene
Concen: 17.883 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.04 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

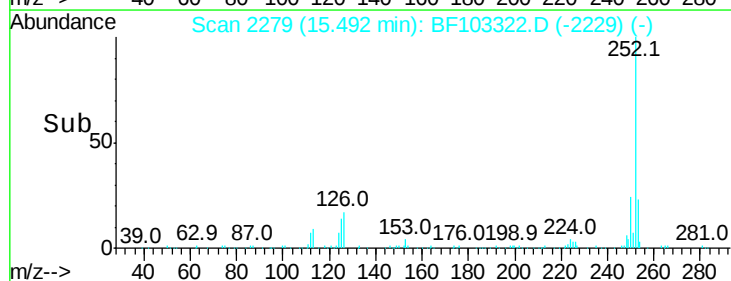
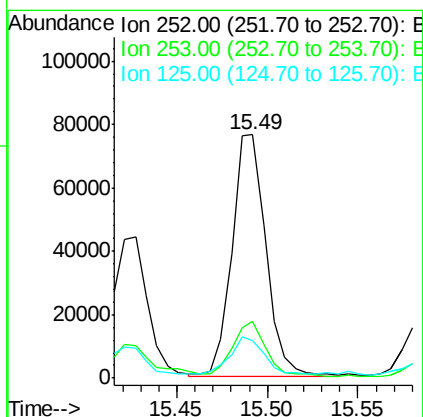
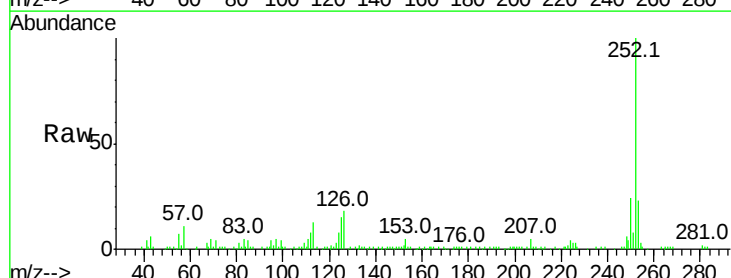
Instrument :
BNA_F
ClientSampleId :

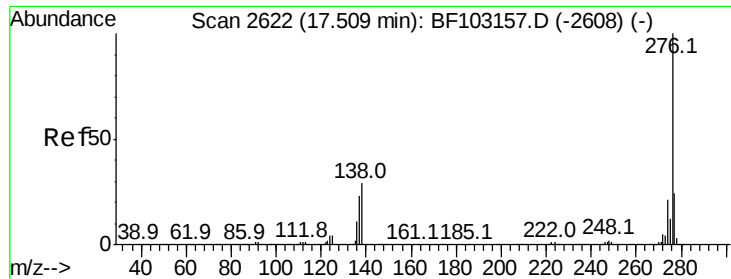
Tot Ion:252 Resp: 197073
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 13.4 10.2 15.2



#89
Benzo(a)pyrene
Concen: 9.551 ng
RT: 15.49 min Scan# 2279
Delta R.T. -0.01 min
Lab File: BF103322.D
Acq: 1 Mar 2018 4:44

Tgt Ion:252 Resp: 99809
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 15.5 9.8 14.6#

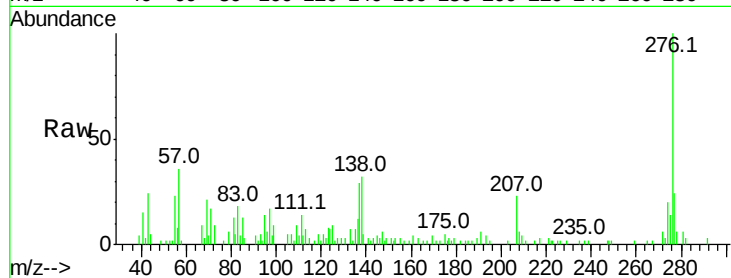




#91
 Benzo(a,h,i)perylene
 Concen: 5.442 ng
 RT: 17.54 min Scan# 2627
 Delta R.T. 0.00 min
 Lab File: BF103322.D
 Acq: 1 Mar 2018 4:44

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	32.2	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

