

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104213.D
 Acq On : 4 Apr 2018 8:01
 Operator : JU/SJ
 Sample : J2099-07DL 200X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 04 08:31:17 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	91693	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	455175	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	212583	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	386739	20.00	ng	0.00
75) Chrysene-d12	14.14	240	249948	20.00	ng	-0.01
86) Perylene-d12	15.69	264	216929	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.77	99	109	0.02	ng	0.17
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.32	172	3173	0.24	ng	0.00
78) Terphenyl-d14	13.07	244	3485	0.32	ng	0.00

Target Compounds

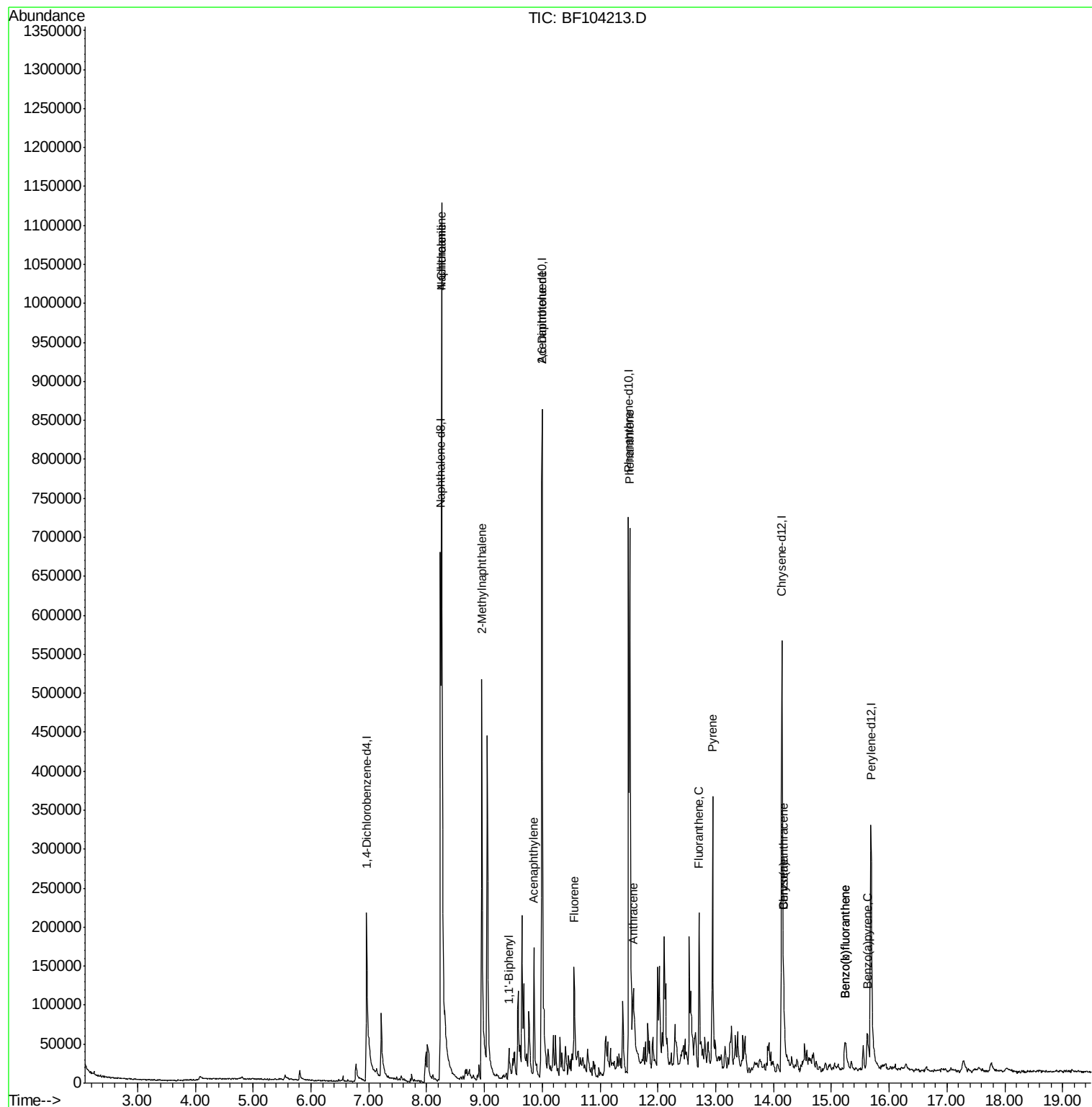
						Qvalue
9) Benzaldehyde	6.55	77	248	Below Cal	#	1
31) Naphthalene	8.26	128	786397	35.365 ng		99
33) 4-Chloroaniline	8.26	127	99088	10.570 ng	#	33
37) 2-Methylnaphthalene	8.95	142	218474	14.915 ng		99
45) 1,1'-Biphenyl	9.42	154	42141	2.310 ng		98
48) Acenaphthylene	9.86	152	75677	3.471 ng		96
50) 2,6-Dinitrotoluene	10.00	165	33120	9.172 ng	#	27
57) Fluorene	10.55	166	70905	4.667 ng		97
70) Phenanthrene	11.52	178	317766	15.176 ng		97
71) Anthracene	11.57	178	96881	4.430 ng		98
74) Fluoranthene	12.71	202	108849	4.891 ng		98
77) Pylene	12.94	202	189389	10.541 ng		98
80) Benzo(a)anthracene	14.17	228	46063	2.945 ng		96
82) Chrysene	14.17	228	46063	3.007 ng		97
87) Benzo(b)fluoranthene	15.23	252	39192	2.969 ng	#	88
88) Benzo(k)fluoranthene	15.23	252	39192	3.151 ng	#	91
89) Benzo(a)pyrene	15.62	252	37946	3.102 ng		97

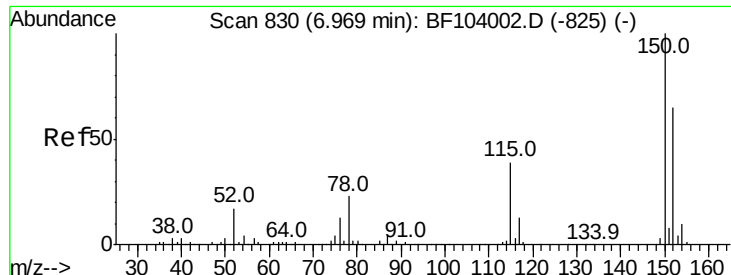
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
Data File : BF104213.D
Acq On : 4 Apr 2018 8:01
Operator : JU/SJ
Sample : J2099-07DL 200X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 04 08:31:17 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 03 15:22:43 2018
Response via : Initial Calibration



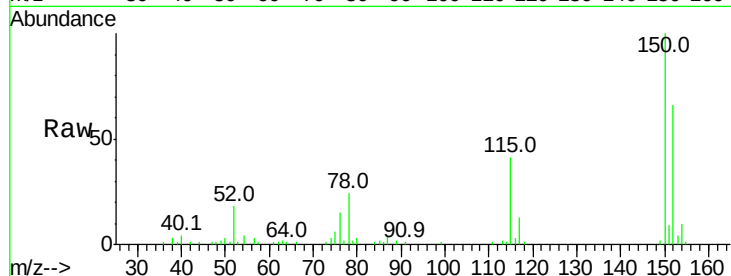


#1

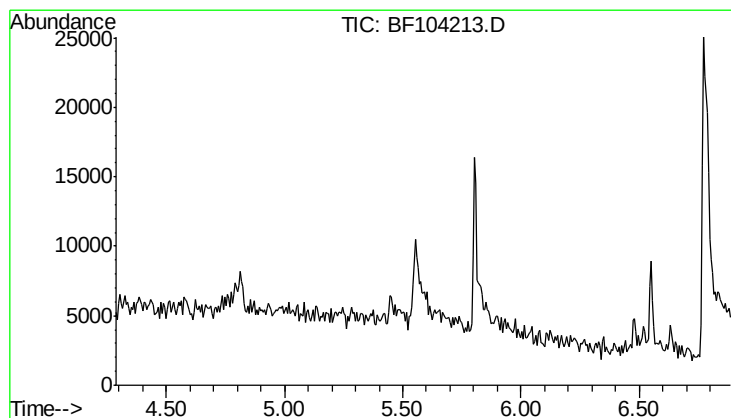
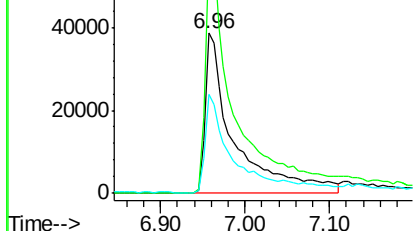
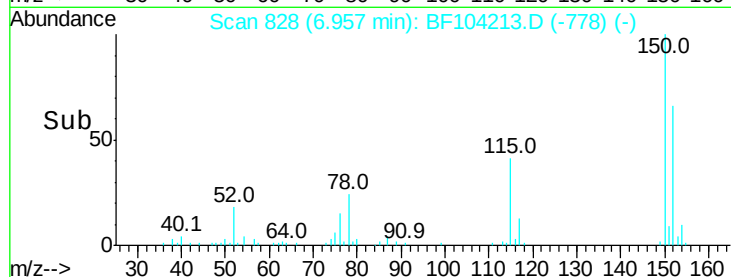
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91693
Ion Ratio Lower Upper
152 100
150 151.9 124.6 186.8
115 61.6 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

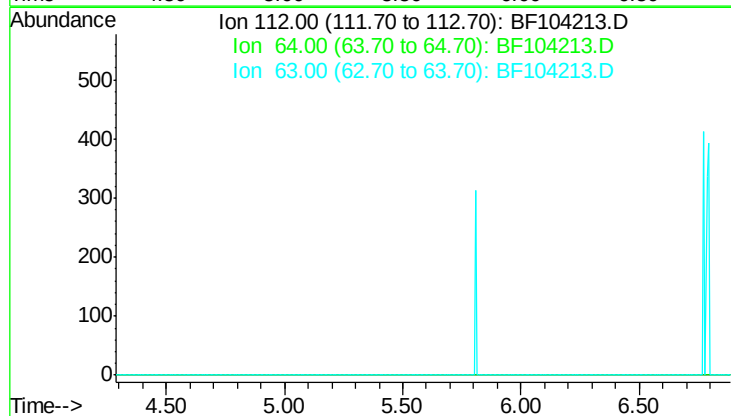


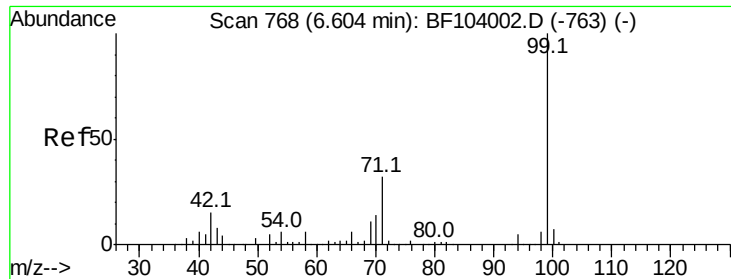
#5

2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Tgt Ion: 112
Sig Exp Ratio
112 100
64 59.9
63 29.6





#7

Phenol-d6

Concen: 0.015 ng

RT: 6.77 min Scan# 796

Delta R.T. 0.17 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

Instrument :

BNA_F

ClientSampleId :

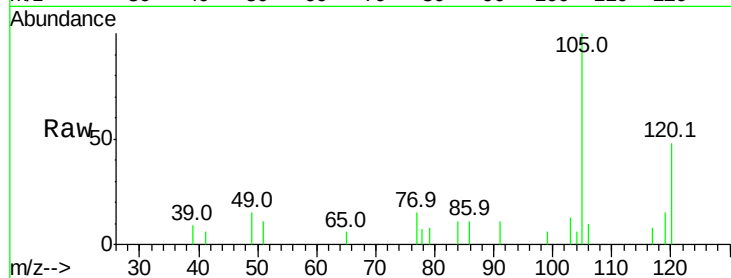
Tot Ion: 99 Resp: 109

Ion Ratio Lower Upper

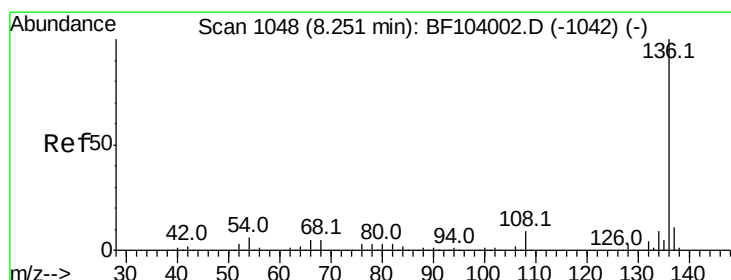
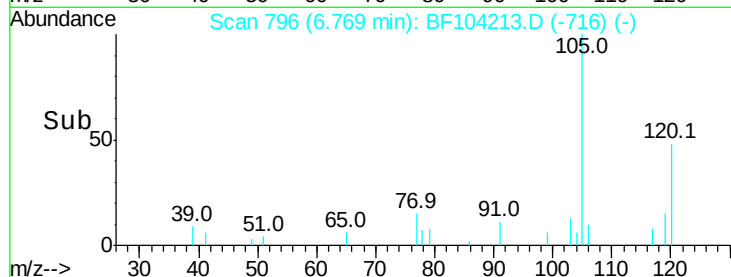
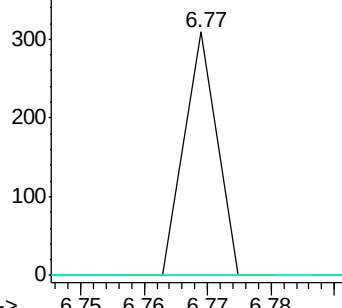
99 100

42 0.0 14.5 21.7#

71 0.0 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: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

Tgt Ion: 136 Resp: 455175

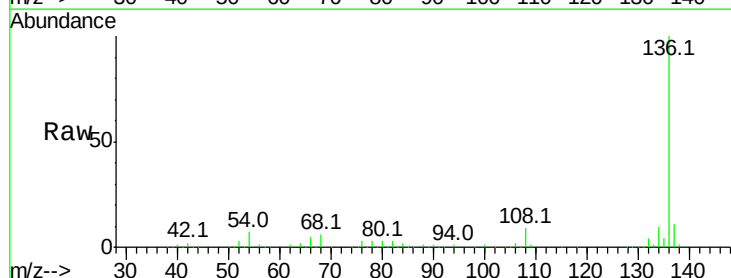
Ion Ratio Lower Upper

136 100

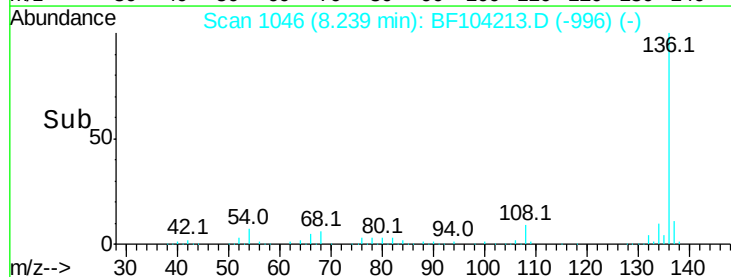
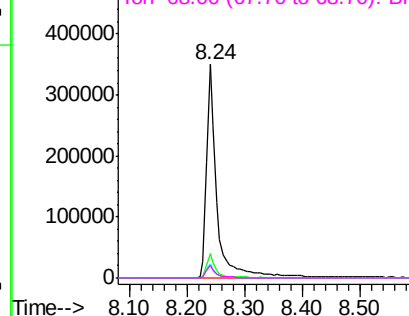
137 11.3 8.9 13.3

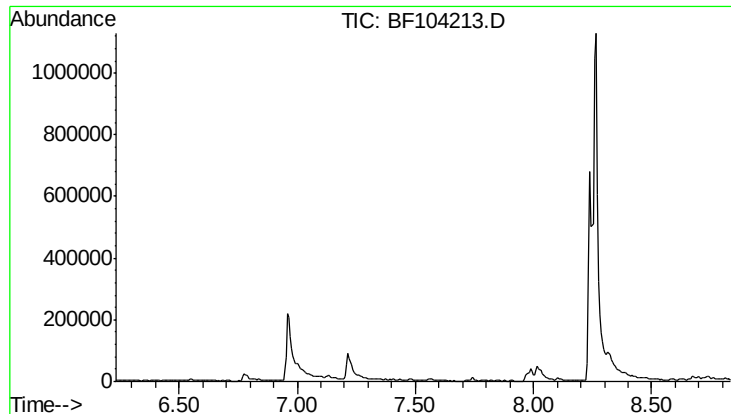
54 6.8 6.6 9.8

68 6.0 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

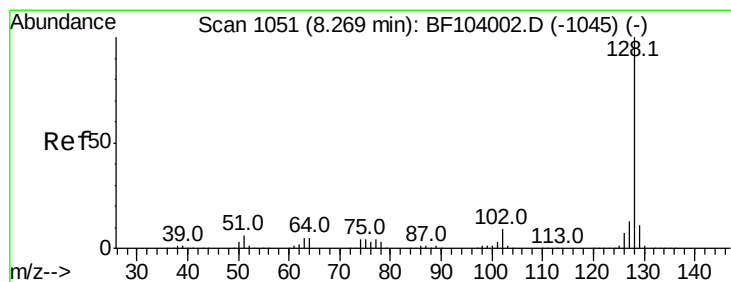
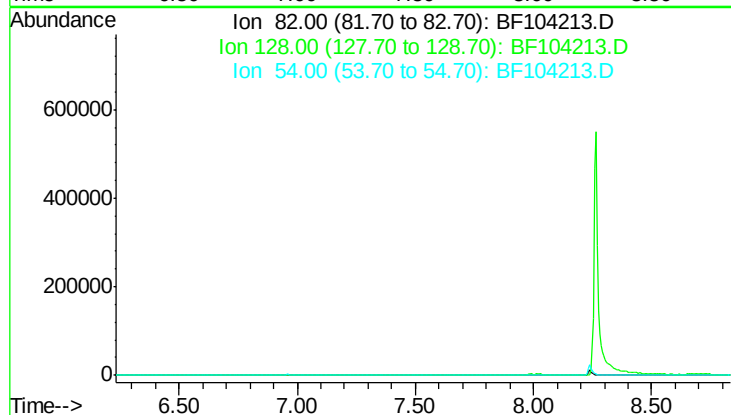




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.53 min
 Lab File: BF104213.D
 Acq: 4 Apr 2018 8:01

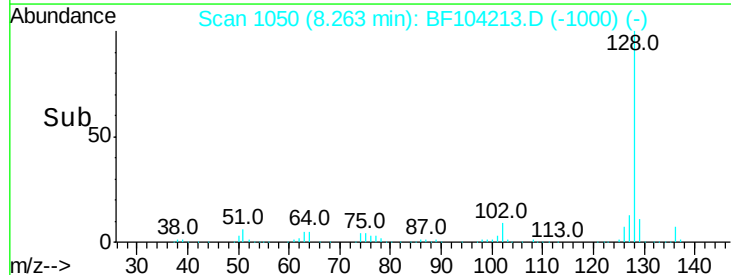
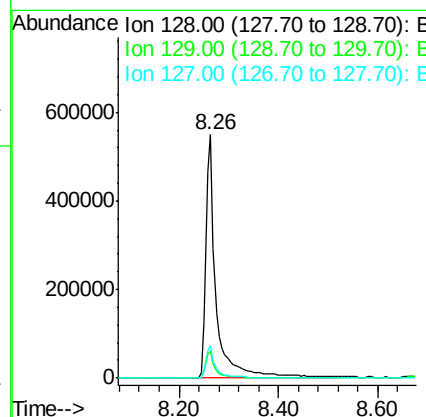
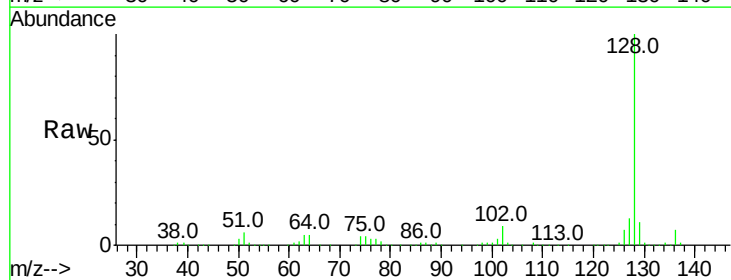
Instrument :
 BNA_F
 ClientSampleId :

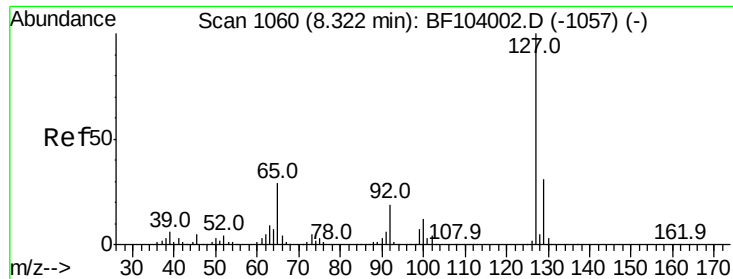
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 45.1
 54 51.8



#31
 Naphthalene
 Concen: 35.365 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF104213.D
 Acq: 4 Apr 2018 8:01

Tgt Ion:128 Resp: 786397
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.8 13.2
 127 13.1 10.9 16.3

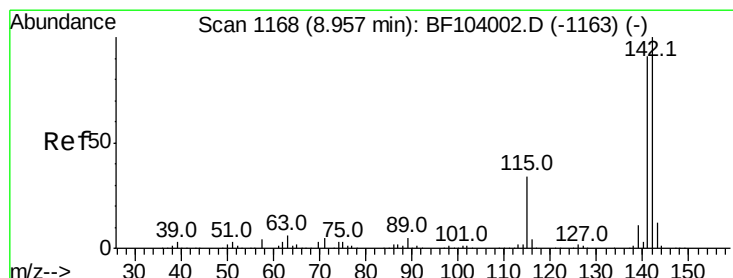
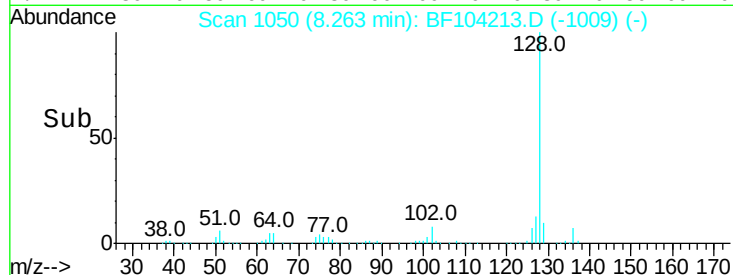
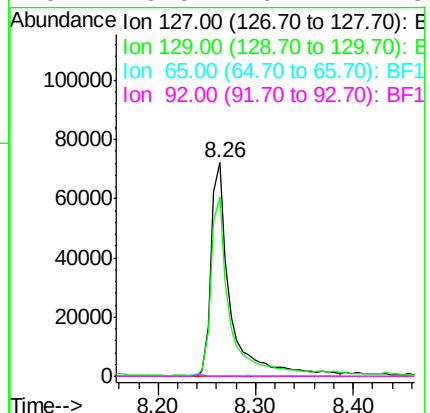
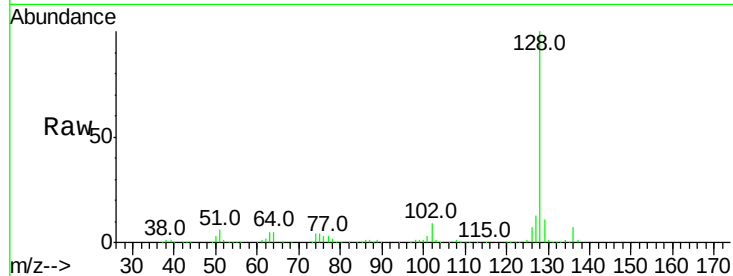




#33
4-Chloroaniline
Concen: 10.570 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.06 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

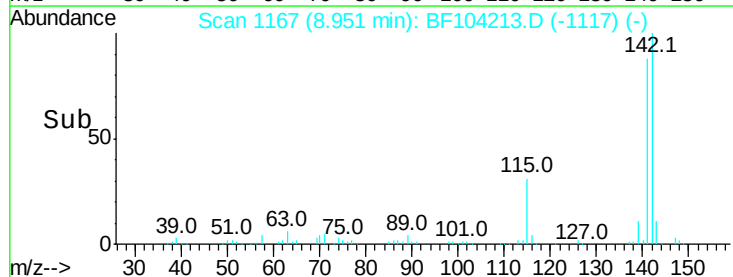
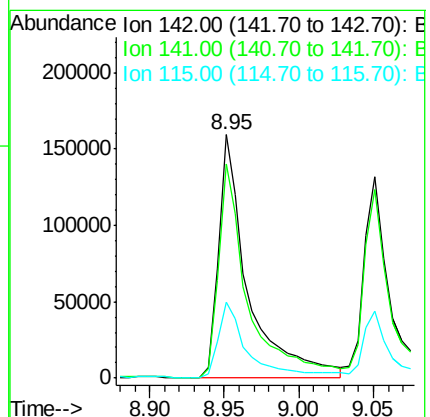
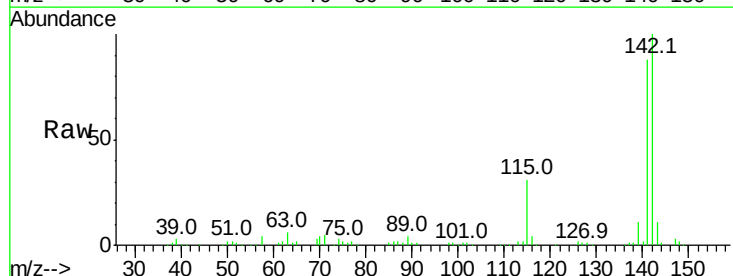
Instrument :
BNA_F
ClientSampled :

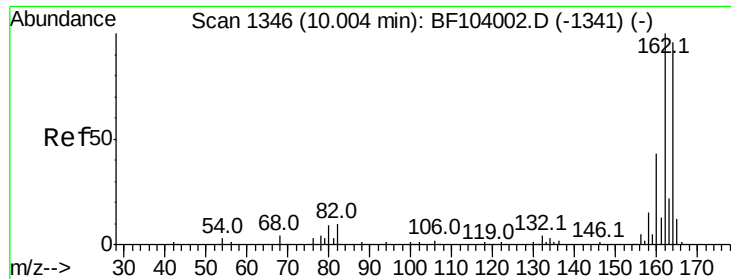
Tot Ion	Ratio	Lower	Upper
127	100		
129	83.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#37
2-Methylnaphthalene
Concen: 14.915 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.8	70.8	106.2
115	31.0	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

Instrument :

BNA_F

ClientSampleId :

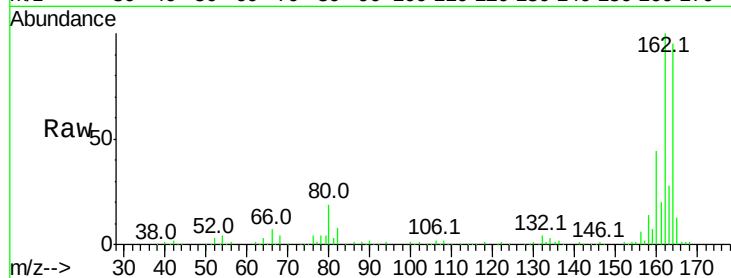
Tot Ion:164 Resp: 212583

Ion Ratio Lower Upper

164 100

162 105.7 86.1 129.1

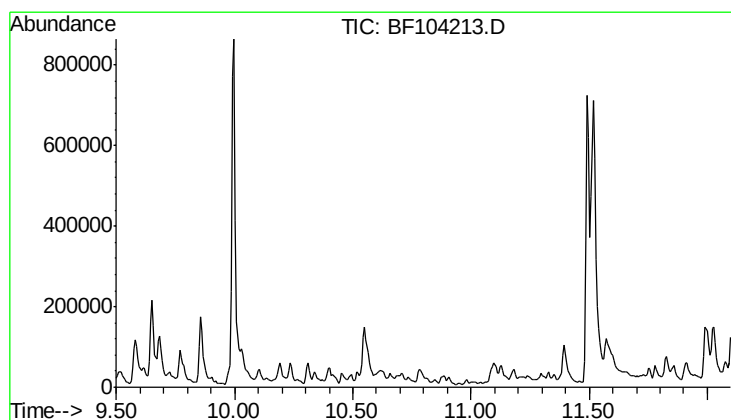
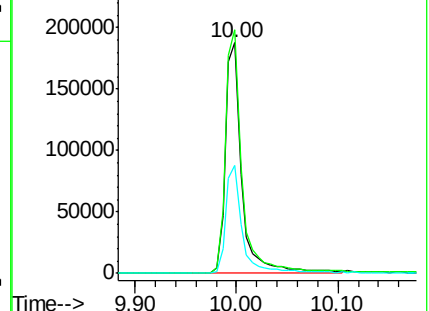
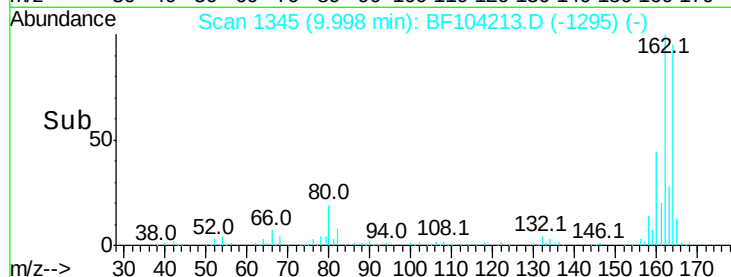
160 46.6 38.3 57.5



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: 0.000 ng

Expected RT: 10.80 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

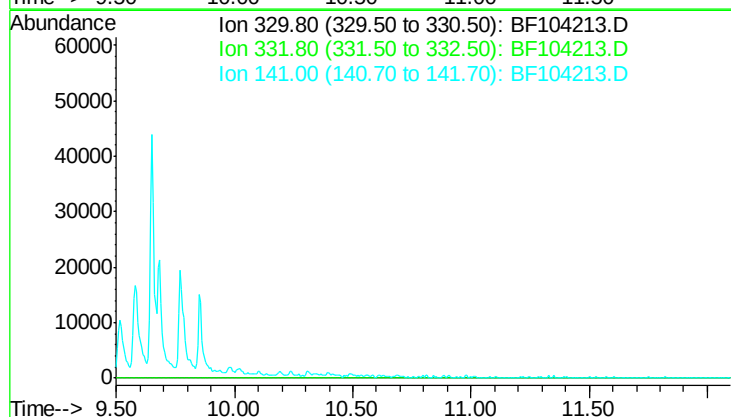
Tgt Ion: 330

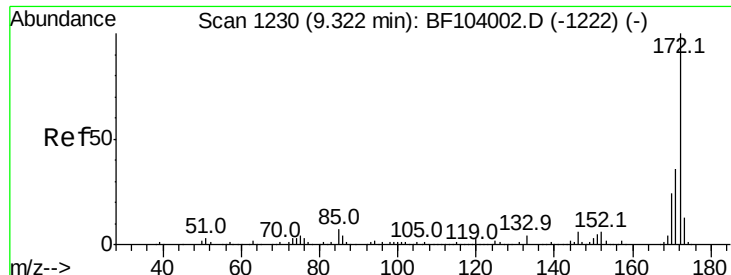
Sig Exp Ratio

330 100

332 96.3

141 37.4

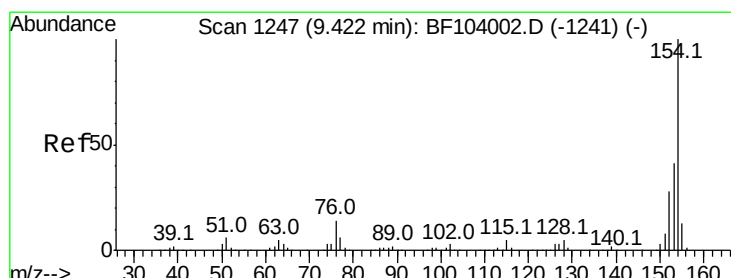
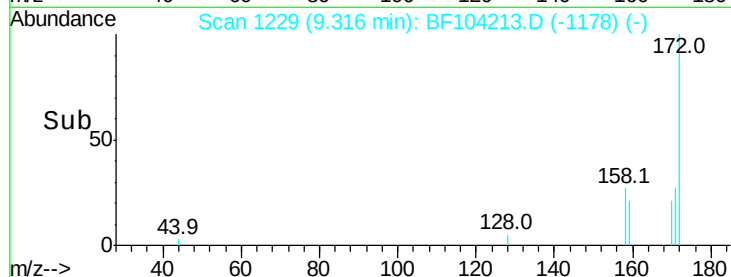
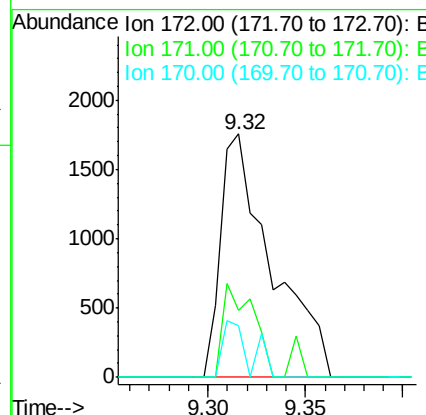
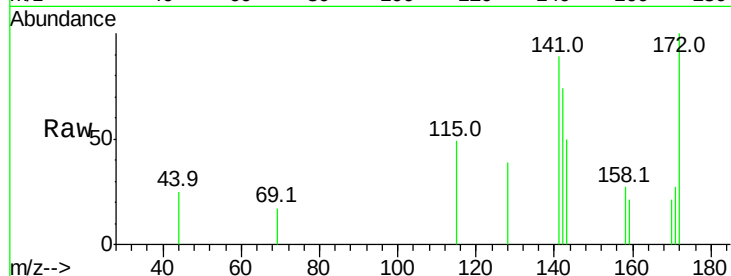




#44
 2-Fluorobiphenyl
 Concen: 0.235 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: BF104213.D
 Acq: 4 Apr 2018 8:01

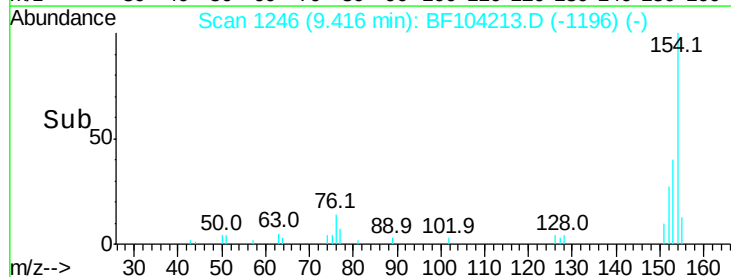
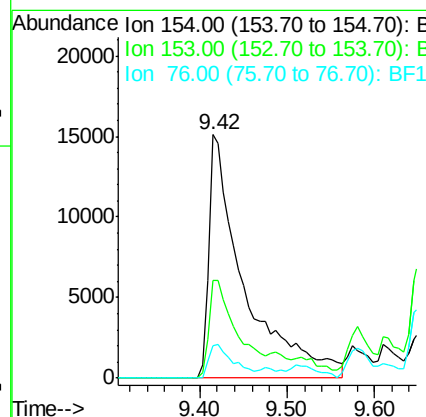
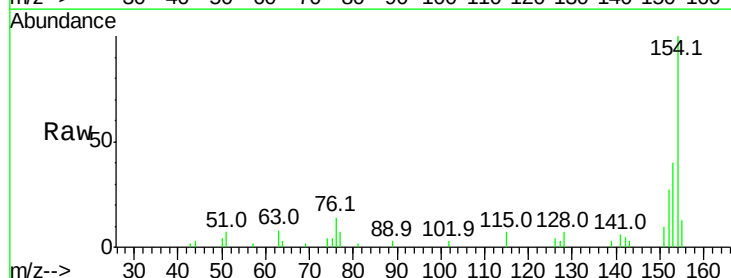
Instrument :
 BNA_F
 ClientSampleId :

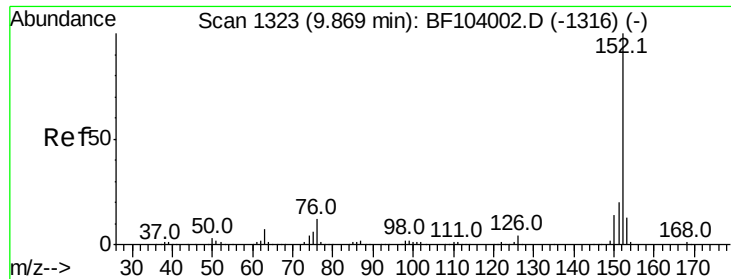
Tot Ion:172 Resp: 3173
 Ion Ratio Lower Upper
 172 100
 171 27.5 29.7 44.5#
 170 21.1 19.6 29.4



#45
 1,1'-Biphenyl
 Concen: 2.310 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.01 min
 Lab File: BF104213.D
 Acq: 4 Apr 2018 8:01

Tgt Ion:154 Resp: 42141
 Ion Ratio Lower Upper
 154 100
 153 40.0 21.3 61.3
 76 13.5 0.0 34.0

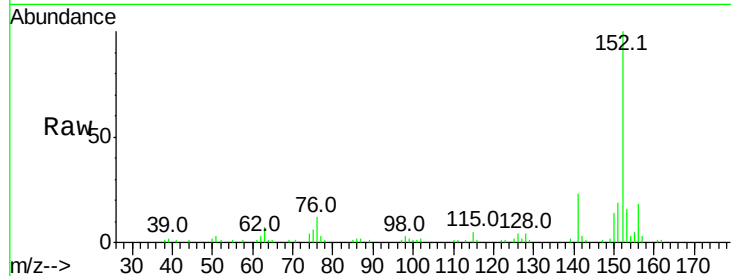




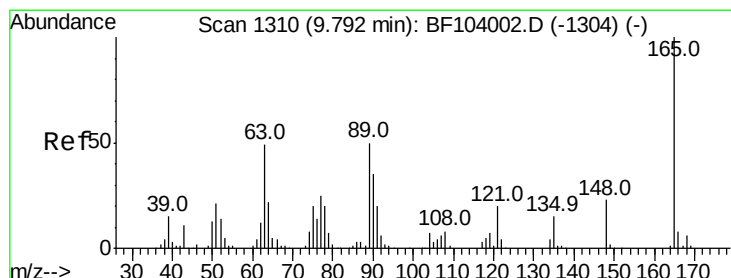
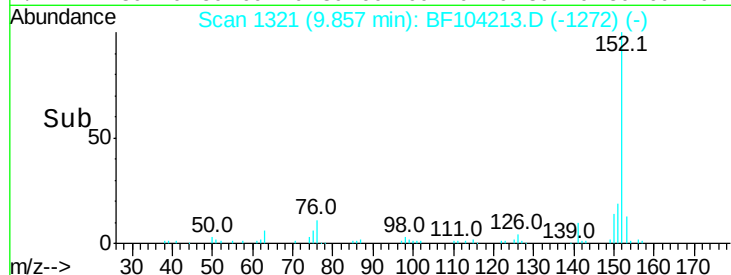
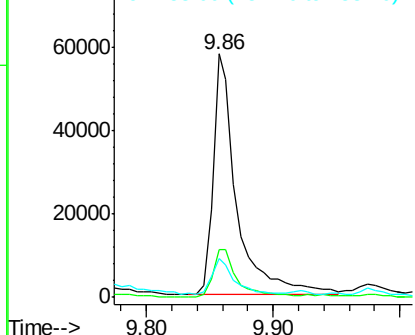
#48
Acenaphthylene
Concen: 3.471 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	15.8	10.7	16.1

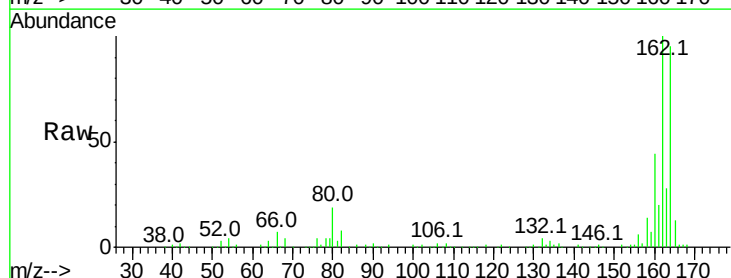


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

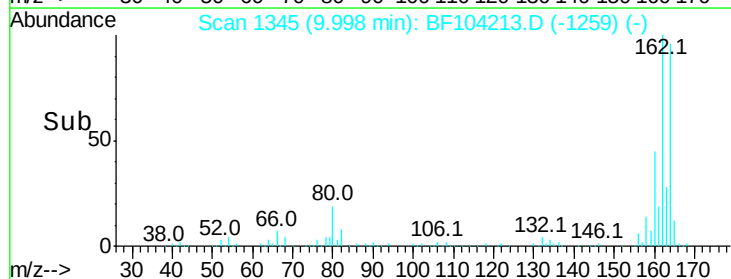
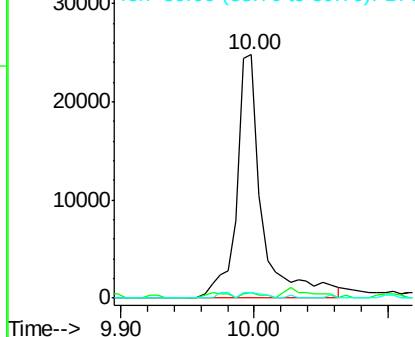


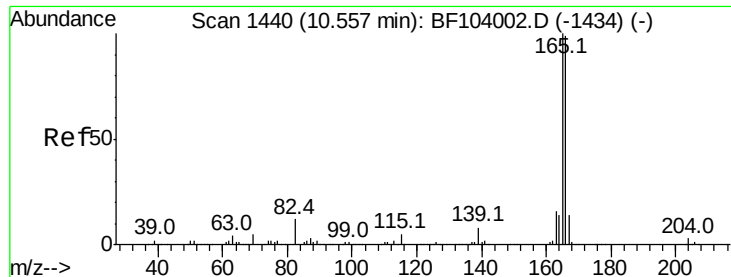
#50
2,6-Dinitrotoluene
Concen: 9.172 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.21 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	2.5	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

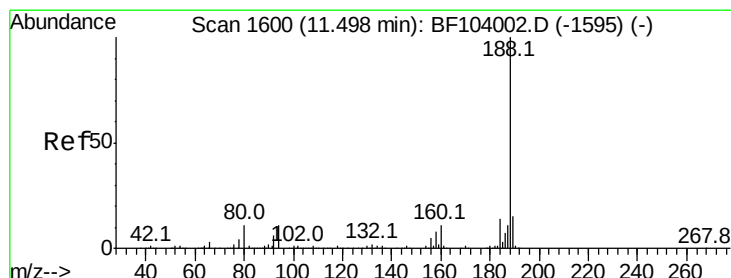
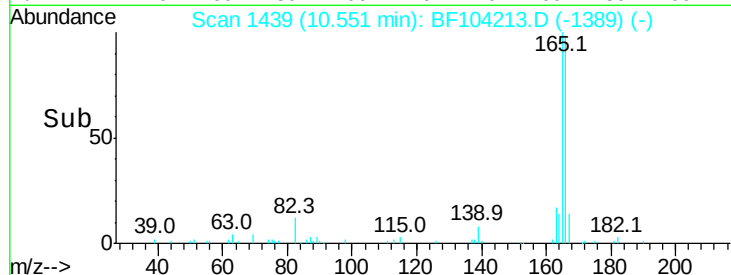
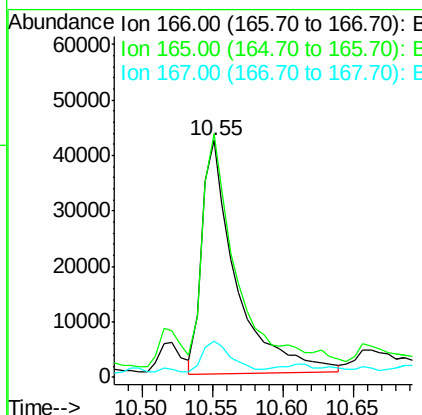
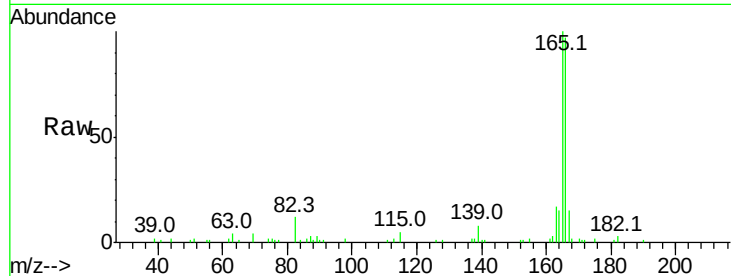




#57
 Fluorene
 Concen: 4.667 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF104213.D
 Acq: 4 Apr 2018 8:01

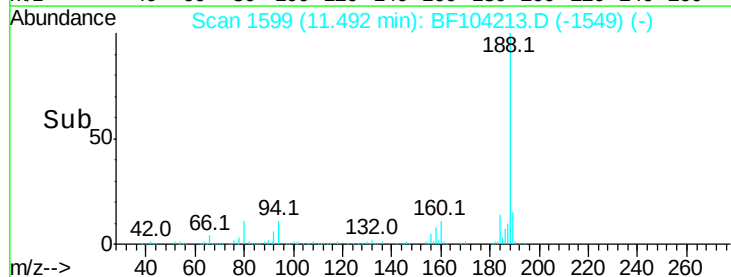
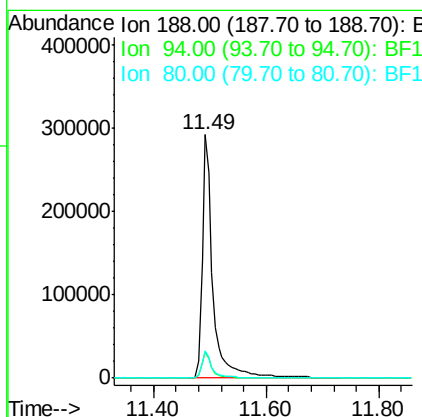
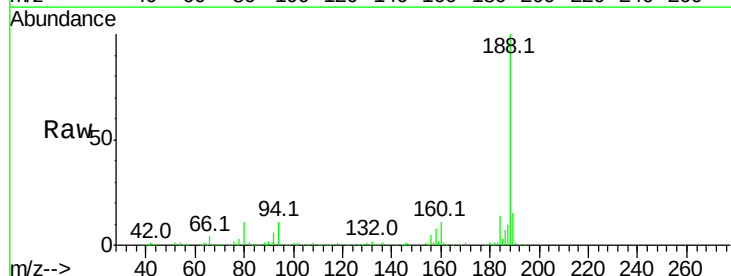
Instrument :
 BNA_F
 ClientSampleId :

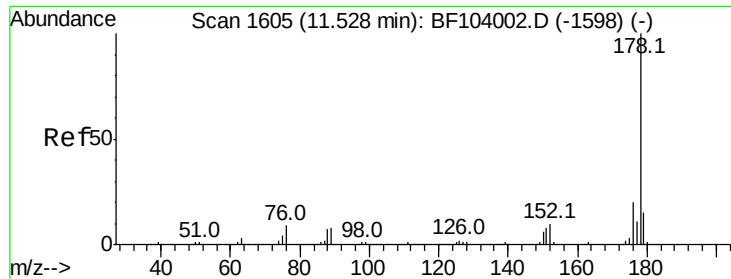
Tot Ion:166 Resp: 70905
 Ion Ratio Lower Upper
 166 100
 165 102.8 79.8 119.8
 167 15.3 10.6 16.0



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104213.D
 Acq: 4 Apr 2018 8:01

Tgt Ion:188 Resp: 386739
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.4 9.2 13.8

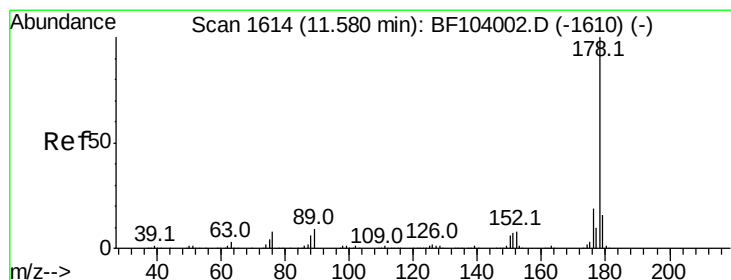
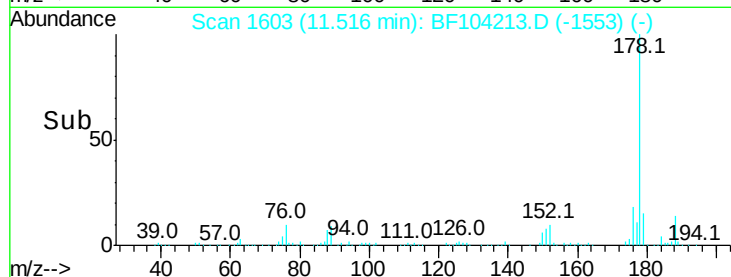
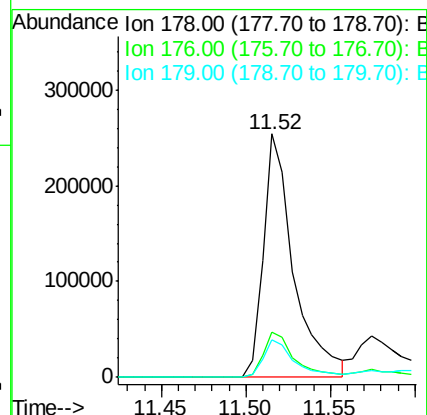
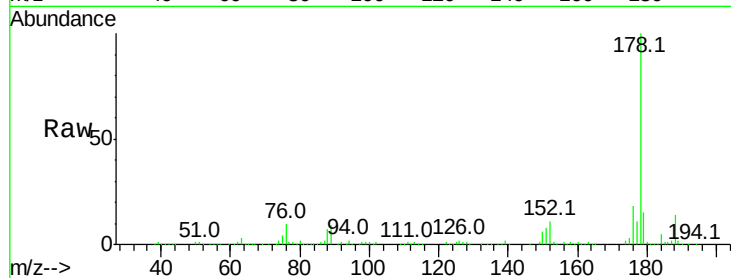




#70
Phenanthrene
Concen: 15.176 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

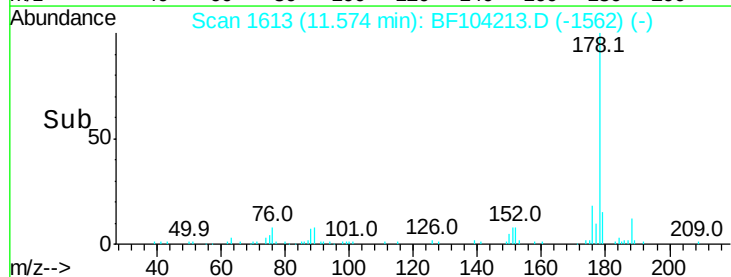
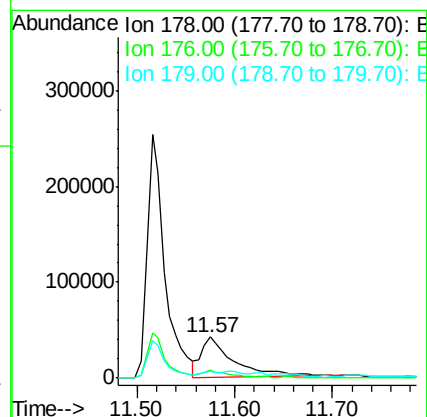
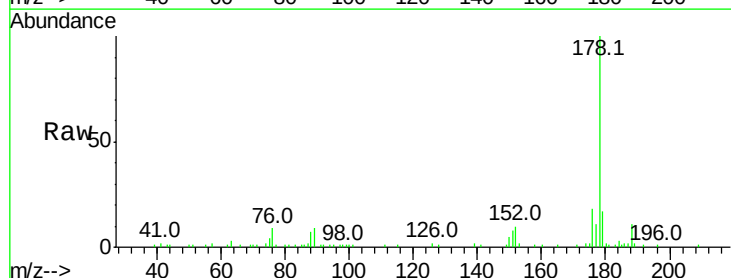
Instrument :
BNA_F
ClientSampleId :

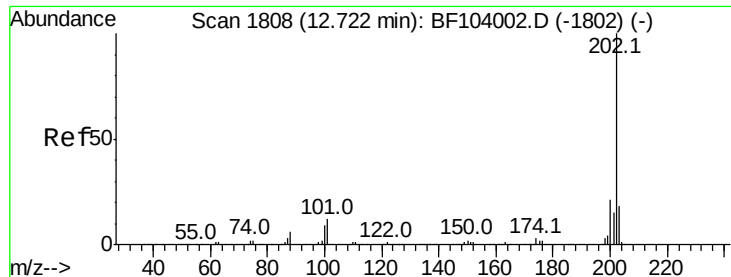
Tot Ion:178 Resp: 317766
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.8
179 15.2 13.0 19.6



#71
Anthracene
Concen: 4.430 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Tgt Ion:178 Resp: 96881
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 17.0 12.6 19.0





#74

Fluoranthene

Concen: 4.891 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF104213.D

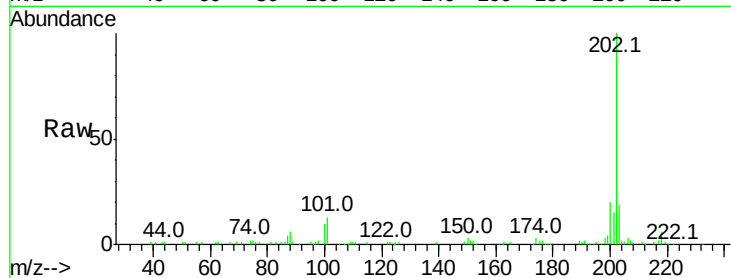
Acq: 4 Apr 2018 8:01

Instrument :

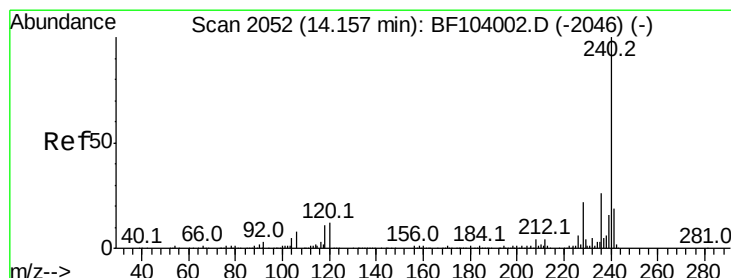
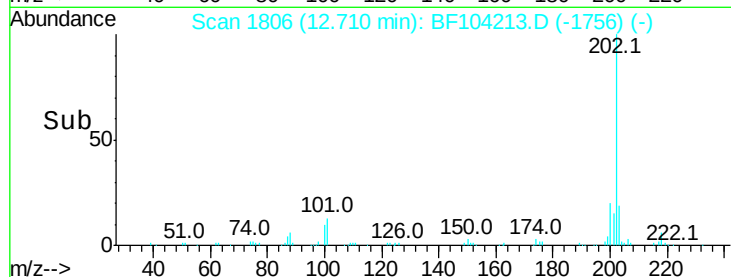
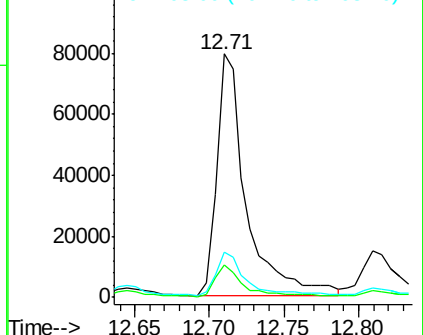
BNA_F

ClientSampled :

Tot Ion:	202	Resp:	108849
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.8	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

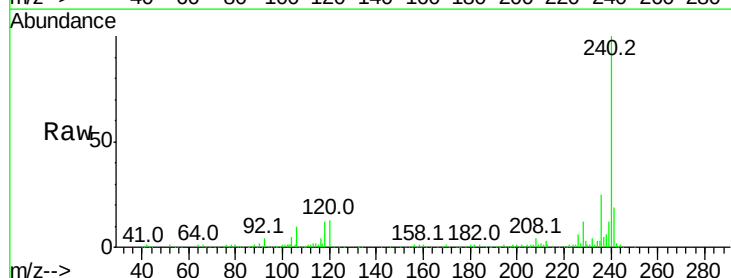
RT: 14.14 min Scan# 2050

Delta R.T. -0.01 min

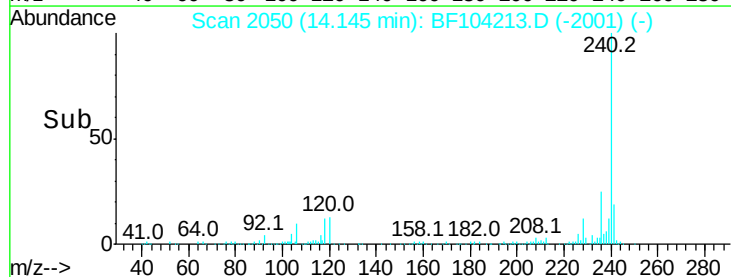
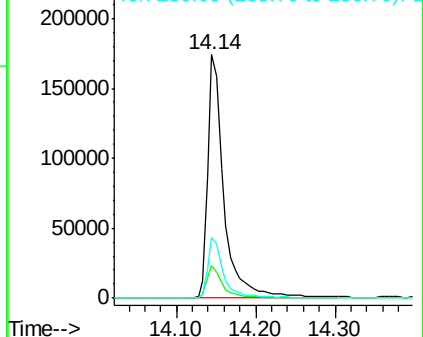
Lab File: BF104213.D

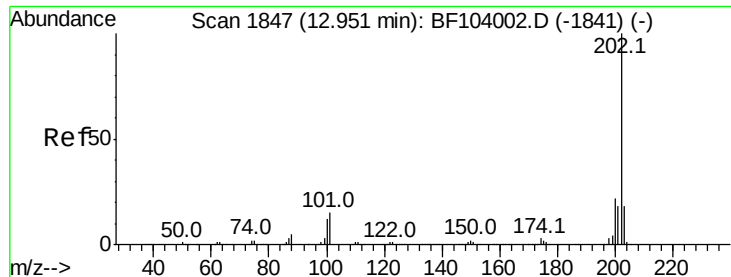
Acq: 4 Apr 2018 8:01

Tgt Ion:	240	Resp:	249948
Ion	Ratio	Lower	Upper
240	100		
120	13.2	9.5	14.3
236	24.9	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

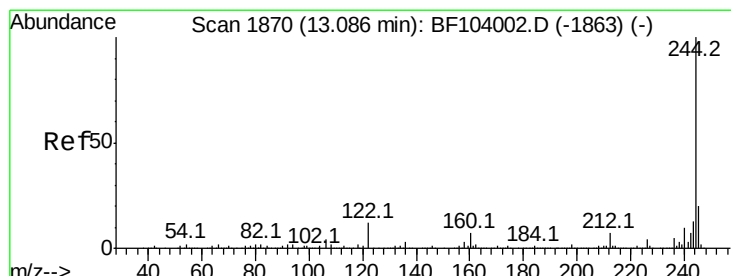
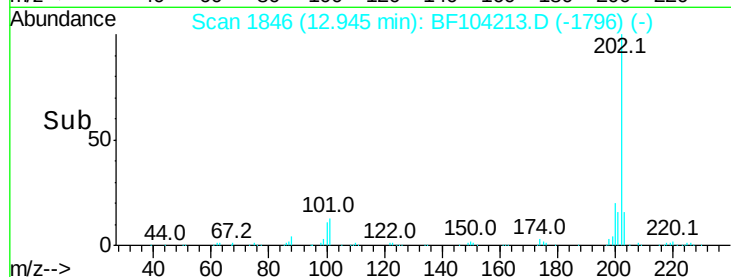
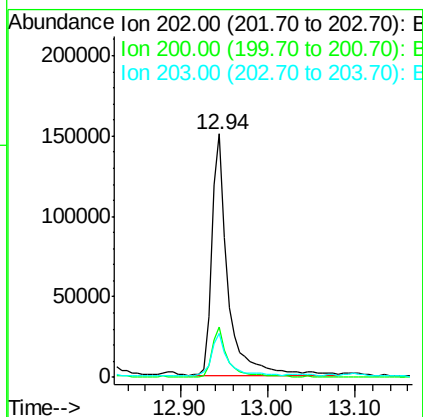
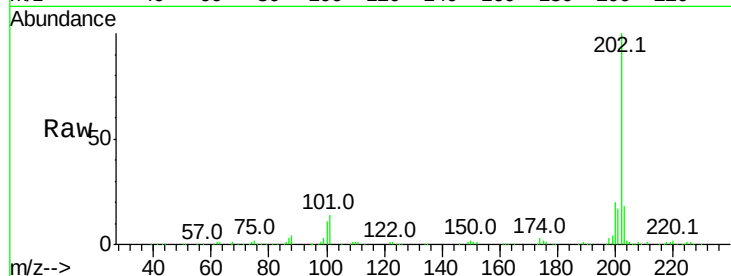




#77
Pvrene
Concen: 10.541 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

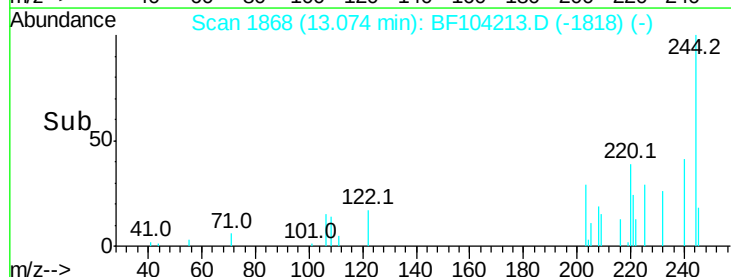
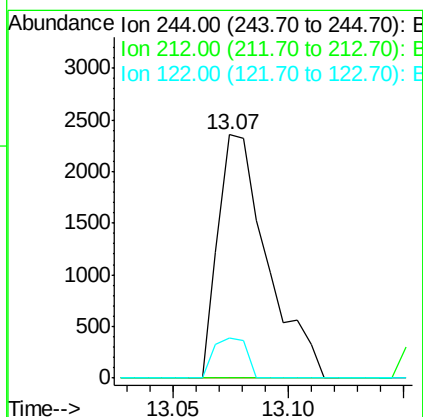
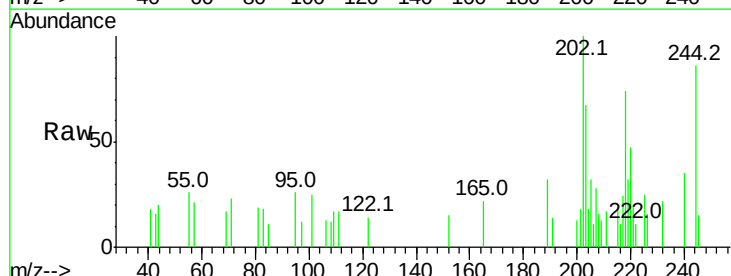
Instrument :
BNA_F
ClientSampleId :

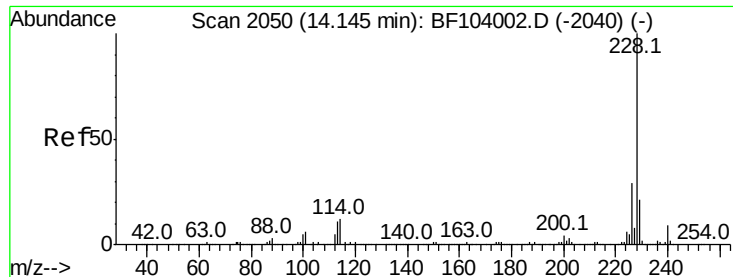
Tot Ion:202 Resp: 189389
Ion Ratio Lower Upper
202 100
200 20.5 17.4 26.2
203 17.8 14.3 21.5



#78
Terphenyl-d14
Concen: 0.322 ng
RT: 13.07 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Tgt Ion:244 Resp: 3485
Ion Ratio Lower Upper
244 100
212 0.0 5.4 8.0#
122 16.6 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 2.945 ng

RT: 14.17 min Scan# 2055

Delta R.T. 0.03 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

Instrument :

BNA_F

ClientSampleId :

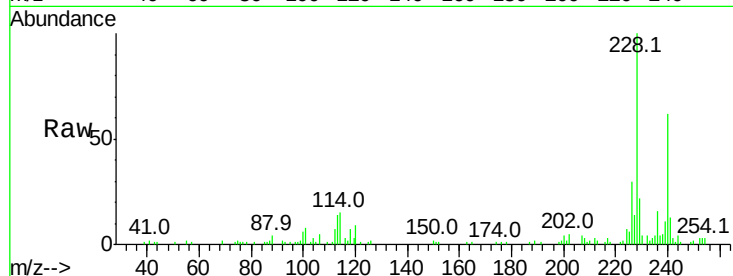
Tot Ion:228 Resp: 46063

Ion Ratio Lower Upper

228 100

226 30.3 22.6 33.8

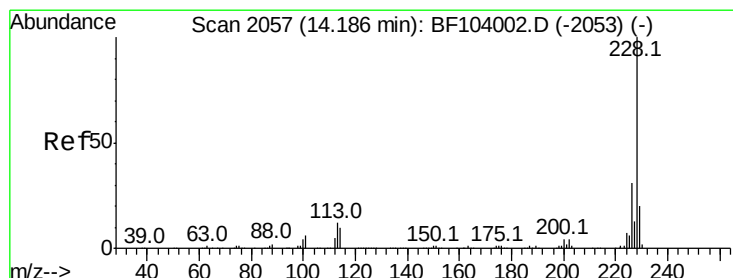
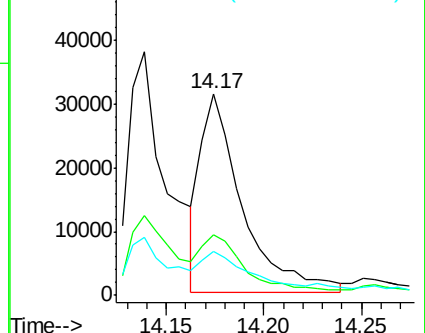
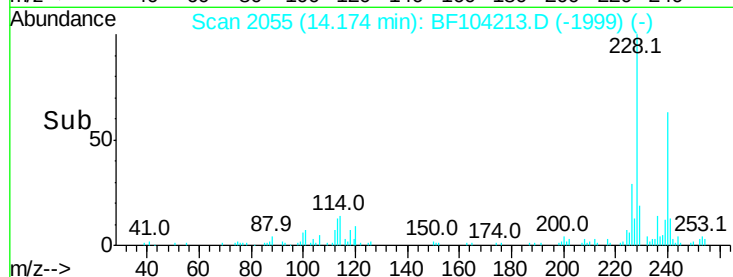
229 22.0 15.8 23.6



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: 3.007 ng

RT: 14.17 min Scan# 2055

Delta R.T. -0.01 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

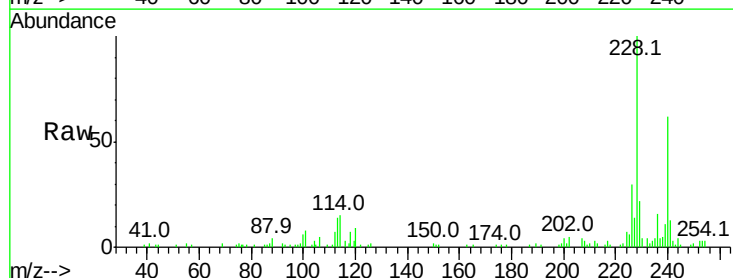
Tgt Ion:228 Resp: 46063

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.6

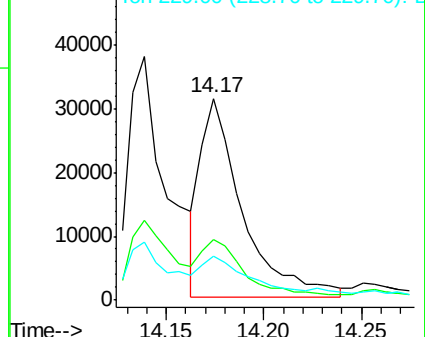
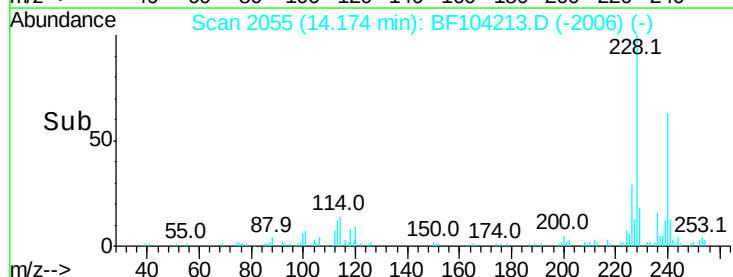
229 22.0 16.2 24.4

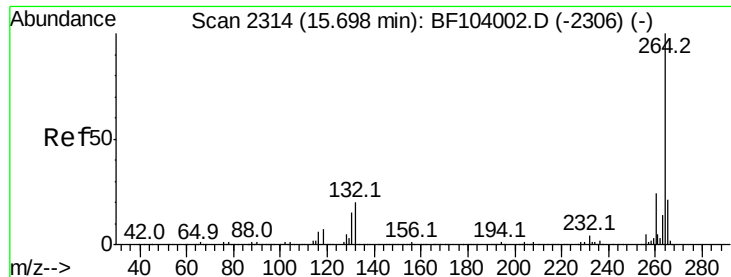


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



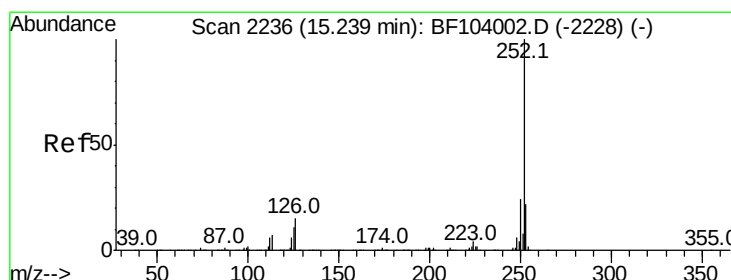
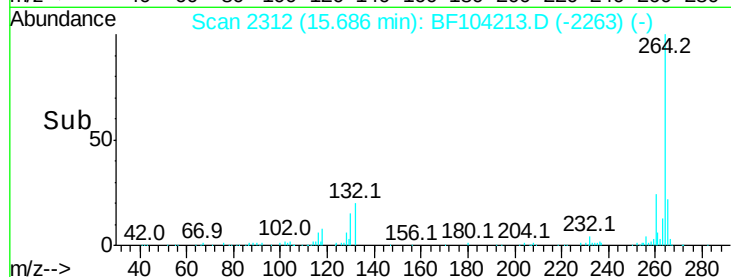
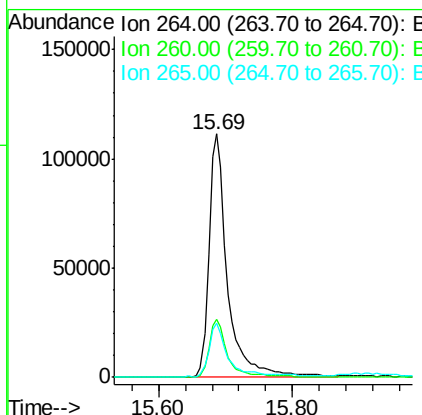
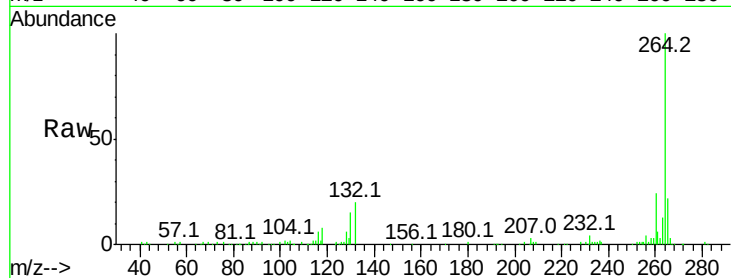


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2312
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 216929

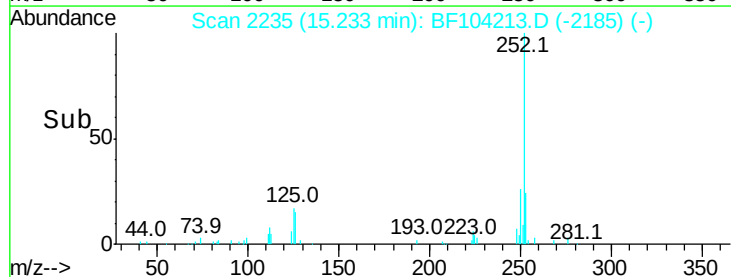
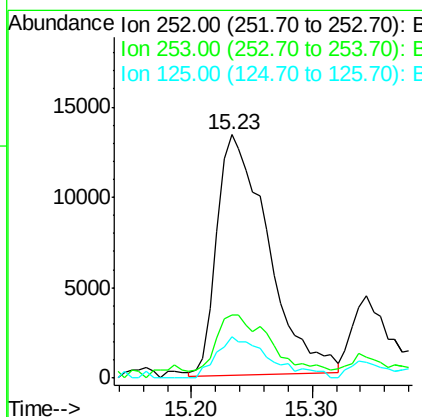
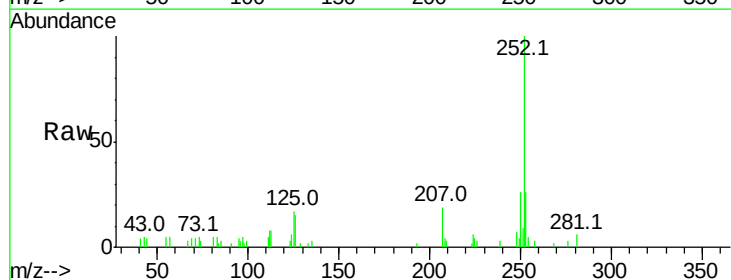
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.1	17.5	26.3

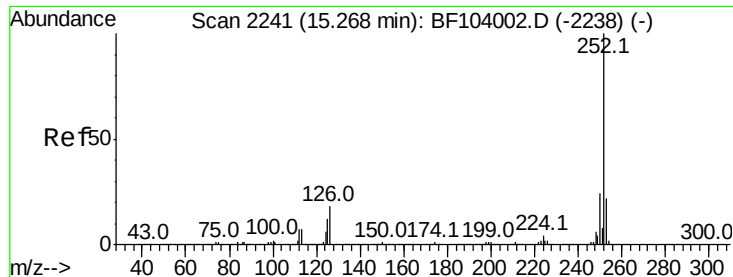


#87
Benzo(b)fluoranthene
Concen: 2.969 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104213.D
Acq: 4 Apr 2018 8:01

Tgt Ion:252 Resp: 39192

Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.0	25.6#
125	17.1	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 3.151 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.04 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

Instrument :

BNA_F

ClientSampleId :

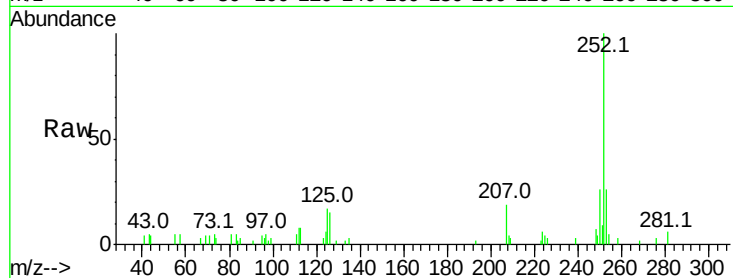
Tot Ion:252 Resp: 39192

Ion Ratio Lower Upper

252 100

253 26.2 17.9 26.9

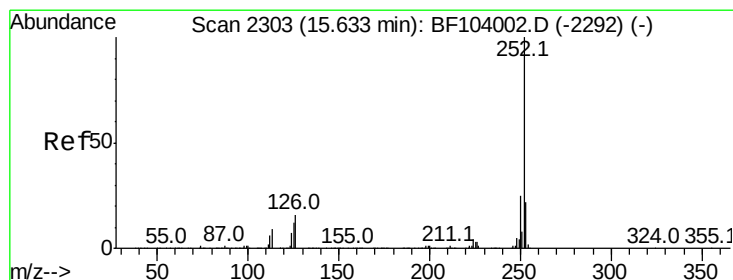
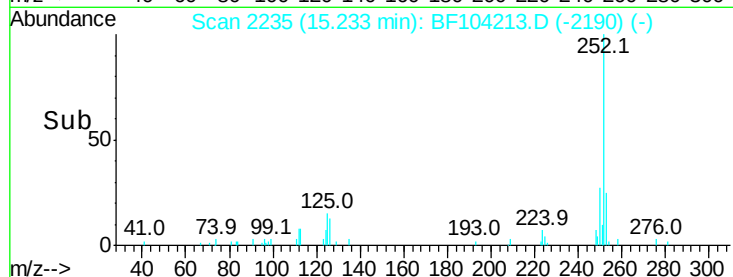
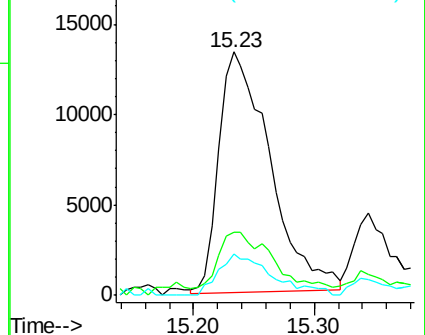
125 17.1 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 3.102 ng

RT: 15.62 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BF104213.D

Acq: 4 Apr 2018 8:01

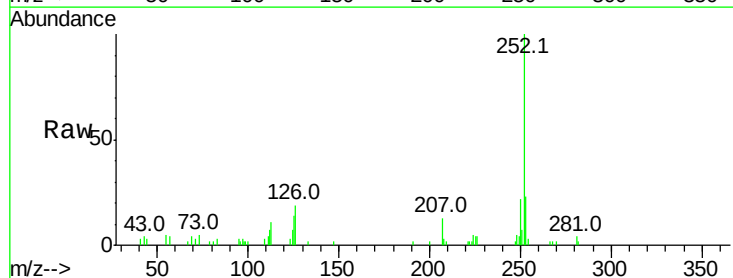
Tgt Ion:252 Resp: 37946

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

125 13.6 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

