

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104147.D
 Acq On : 2 Apr 2018 20:30
 Operator : JU/SJ
 Sample : J2099-07 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 01:09:01 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 02 13:40:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	95015	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	341363	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	185998	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	254768	20.00	ng	0.00
75) Chrysene-d12	14.16	240	188524	20.00	ng	0.00
86) Perylene-d12	15.70	264	202409	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	18519	3.11	ng	0.02
7) Phenol-d6	6.60	99	62058	8.47	ng	0.00
23) Nitrobenzene-d5	7.53	82	37384	6.70	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	12469	6.02	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	73803	6.26	ng	0.00
78) Terphenyl-d14	13.08	244	47045	5.76	ng	0.00

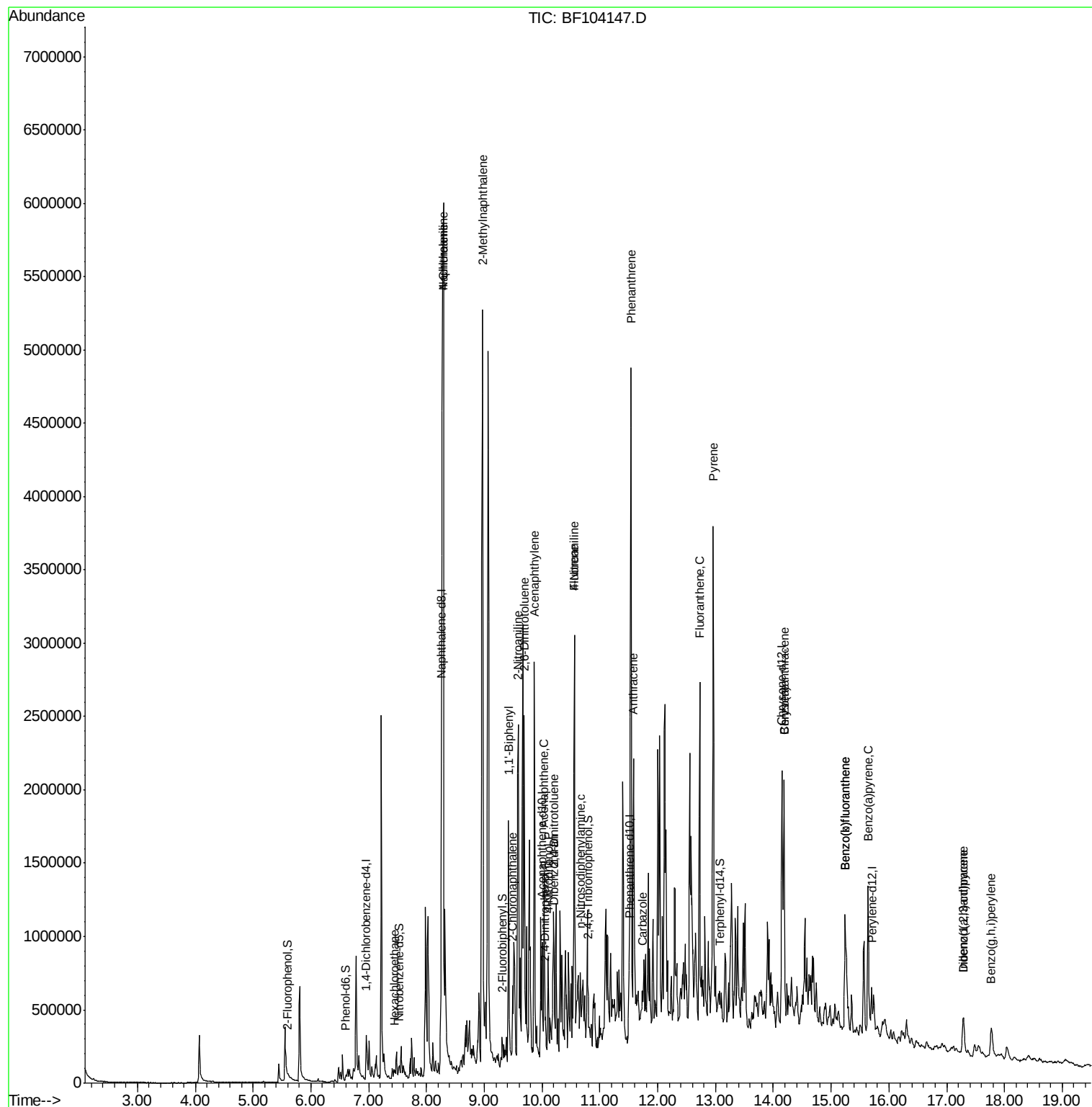
Target Compounds				Qvalue		
18) Hexachloroethane	7.45	117	11921	4.523	ng	# 17
31) Naphthalene	8.29	128	6681958	400.675	ng	98
33) 4-Chloroaniline	8.29	127	933575	132.785	ng	# 36
37) 2-Methylnaphthalene	8.97	142	2508636	228.368	ng	# 95
45) 1,1'-Biphenyl	9.42	154	709847	44.466	ng	99
46) 2-Chloronaphthalene	9.49	162	89060	7.073	ng	# 49
47) 2-Nitroaniline	9.59	65	11676	3.252	ng	# 22
48) Acenaphthylene	9.87	152	1158503	60.728	ng	98
50) 2,6-Dinitrotoluene	9.69	165	13539	4.285	ng	# 1
51) Acenaphthene	10.03	154	208027	18.850	ng	91
53) 2,4-Dinitrophenol	10.05	184	950	6.213	ng	# 1
54) Dibenzofuran	10.21	168	185868	11.533	ng	# 96
55) 4-Nitrophenol	10.10	139	10445	4.796	ng	# 43
56) 2,4-Dinitrotoluene	10.20	165	9803	2.432	ng	# 60
57) Fluorene	10.56	166	1029052	77.409	ng	99
61) 4-Nitroaniline	10.56	138	10322	3.037	ng	# 29
65) n-Nitrosodiphenylamine	10.66	169	32063	3.716	ng	# 74
70) Phenanthrene	11.54	178	2893516	209.775	ng	99
71) Anthracene	11.58	178	1062019	73.712	ng	99
72) Carbazole	11.74	167	70274	5.110	ng	# 87
74) Fluoranthene	12.73	202	1225220	83.566	ng	97
77) Pyrene	12.96	202	1862602	137.439	ng	99
80) Benzo(a)anthracene	14.19	228	773608	65.581	ng	93
82) Chrysene	14.19	228	773608	66.956	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	212895	17.782	ng	# 85
87) Benzo(b)fluoranthene	15.24	252	771217	62.607	ng	# 94
88) Benzo(k)fluoranthene	15.24	252	771217	66.461	ng	97
89) Benzo(a)pyrene	15.64	252	682472	59.785	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	58206	5.515	ng	# 89
91) Benzo(g,h,i)perylene	17.77	276	222493	21.047	ng	95

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

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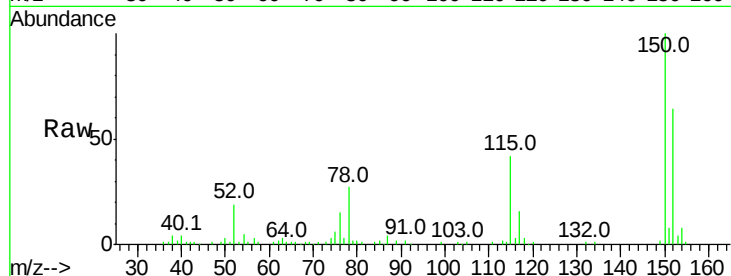


#1

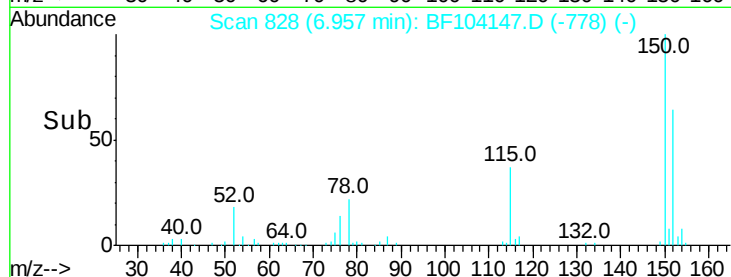
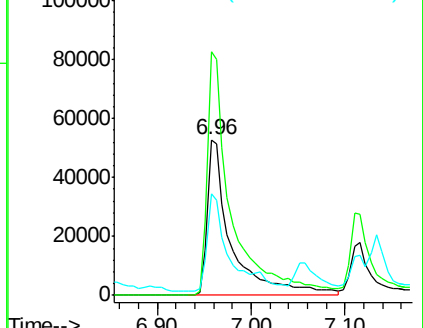
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 95015
 Ion Ratio Lower Upper
 152 100
 150 156.6 124.6 186.8
 115 65.0 50.1 75.1



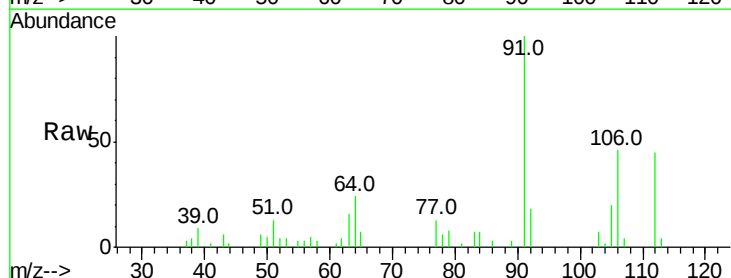
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



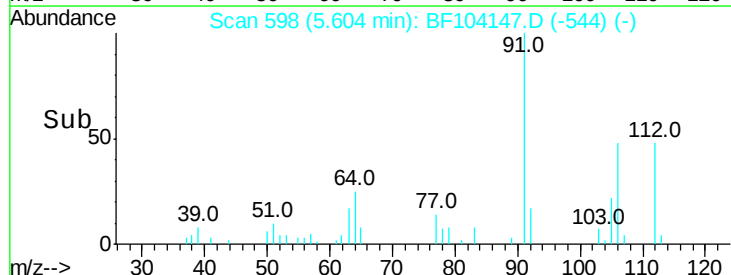
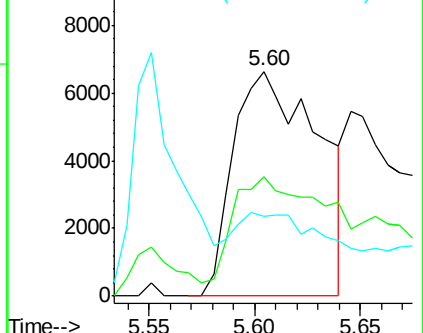
#5

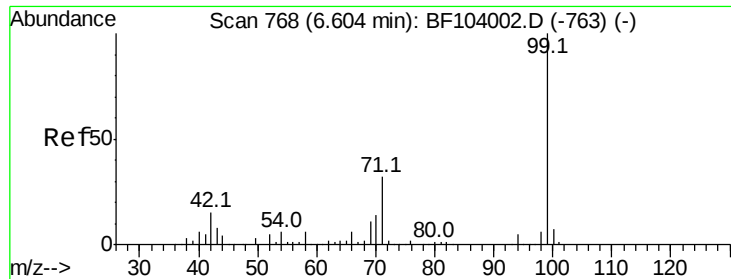
2-Fluorophenol
 Concen: 3.108 ng
 RT: 5.60 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

Tgt Ion:112 Resp: 18519
 Ion Ratio Lower Upper
 112 100
 64 53.0 47.9 71.9
 63 35.7 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: 8.466 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampleId :

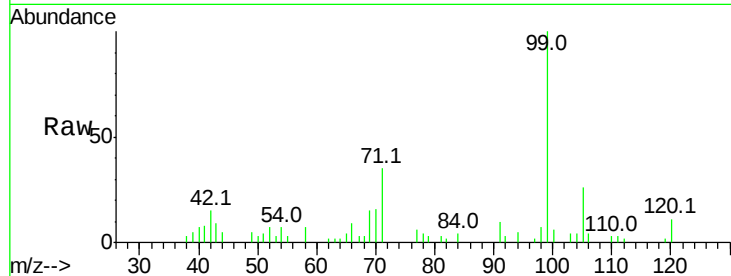
Tot Ion: 99 Resp: 62058

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

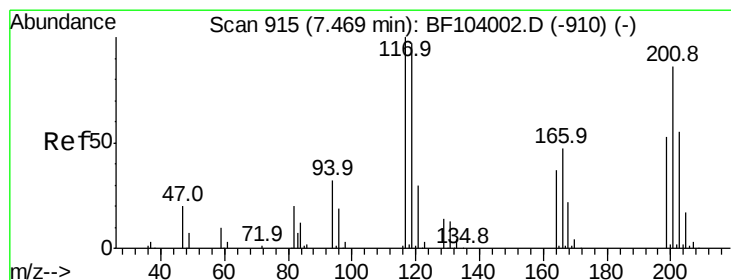
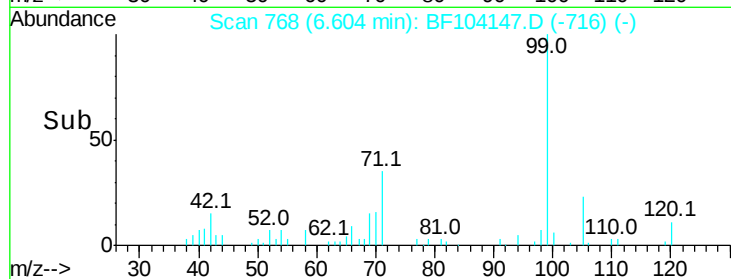
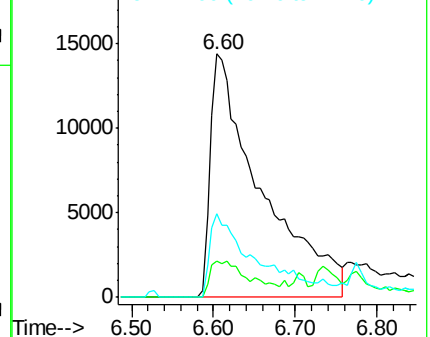
71 34.5 25.4 38.0



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



#18

Hexachloroethane

Concen: 4.523 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

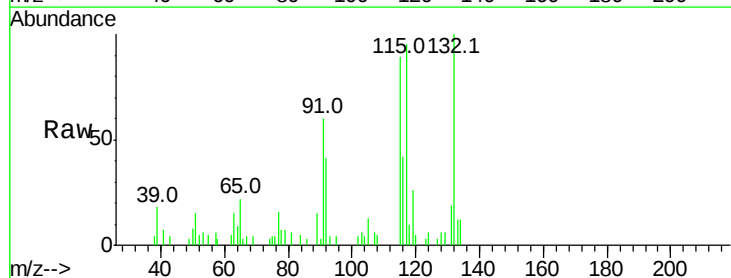
Tgt Ion: 117 Resp: 11921

Ion Ratio Lower Upper

117 100

119 27.8 75.8 113.8#

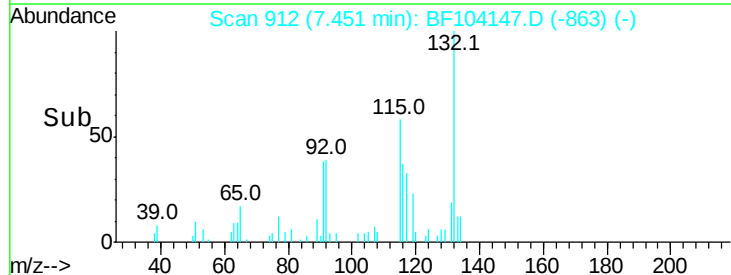
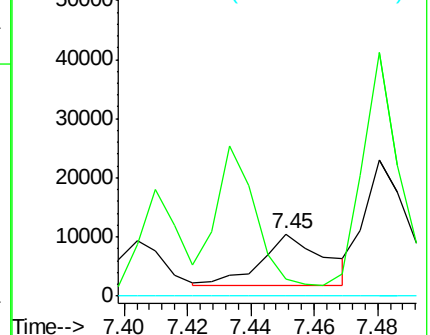
201 0.0 75.7 113.5#

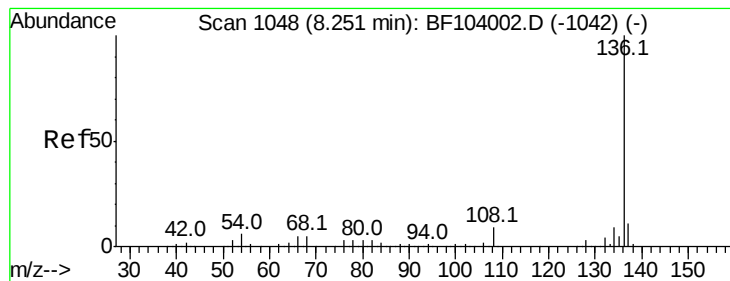


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 341363

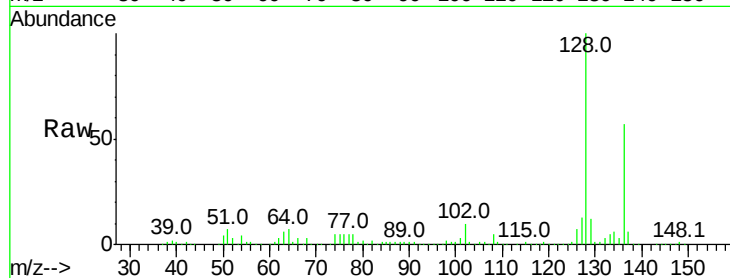
Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 6.6 6.6 9.8

68 5.8 5.0 7.4

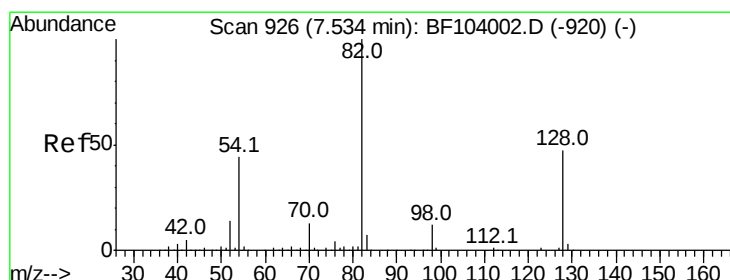
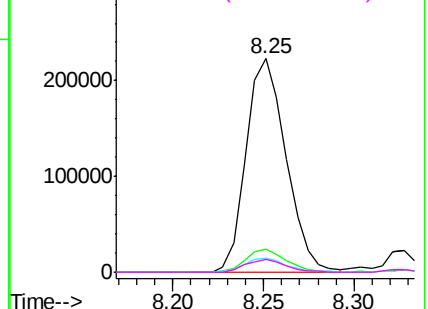
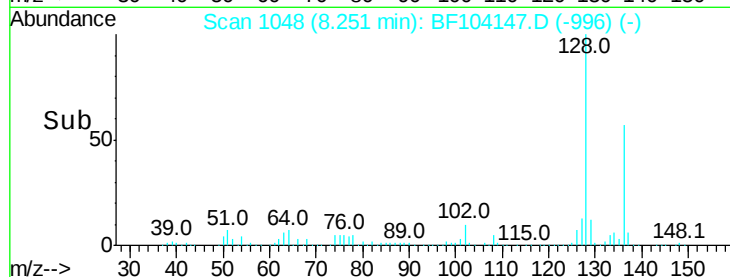


Abundance Ion 136.00 (135.70 to 136.70): E

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: 6.697 ng

RT: 7.53 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

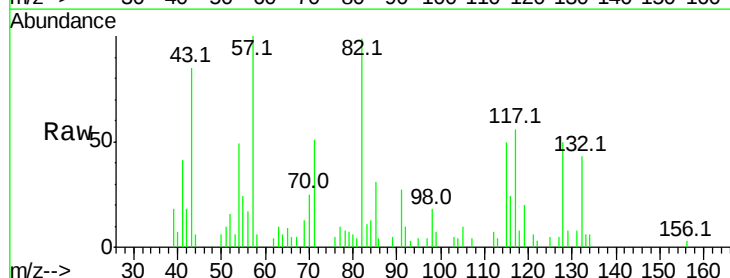
Tgt Ion: 82 Resp: 37384

Ion Ratio Lower Upper

82 100

128 50.6 36.1 54.1

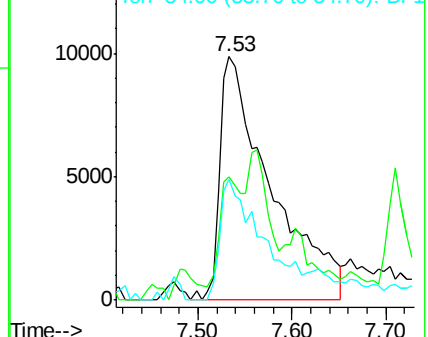
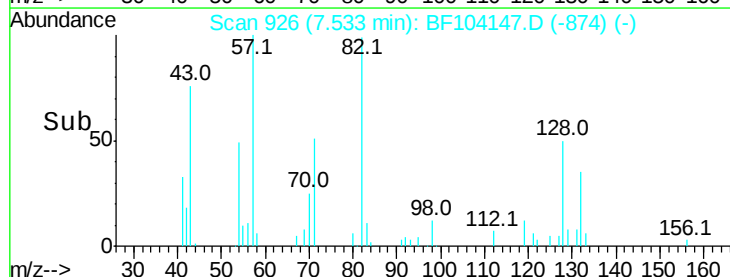
54 49.6 41.4 62.2

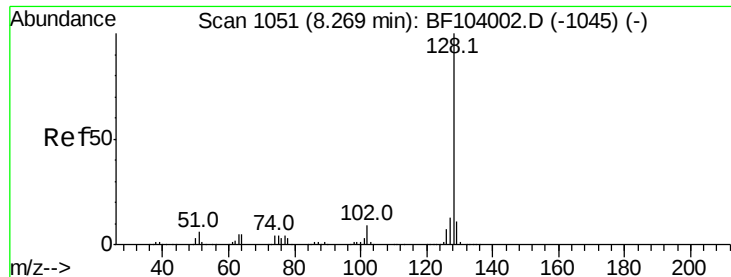


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

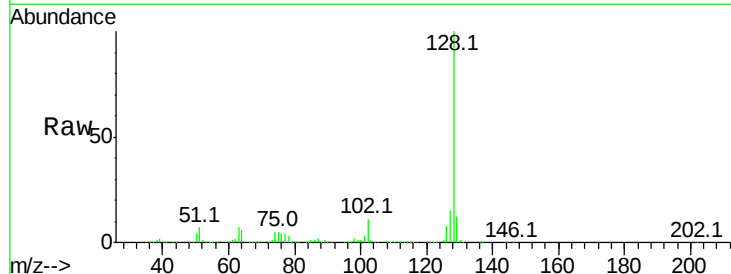




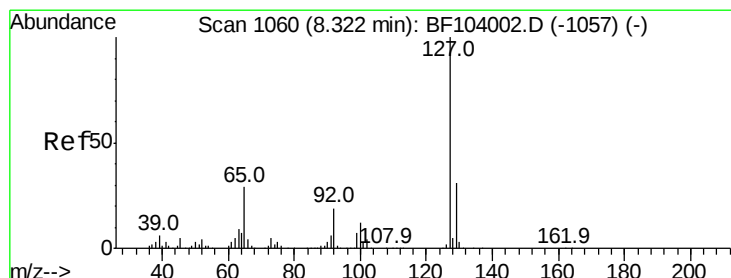
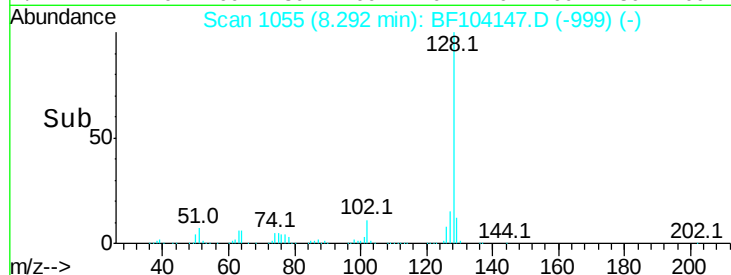
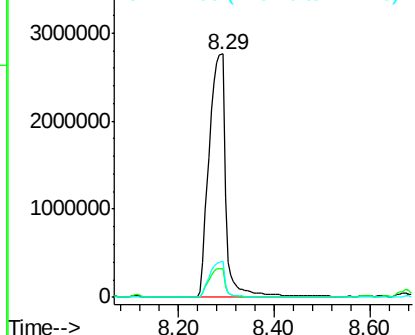
#31
Naphthalene
Concen: 400.675 ng
RT: 8.29 min Scan# 1055
Delta R.T. 0.03 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:128 Resp: 6681958
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.7 10.9 16.3

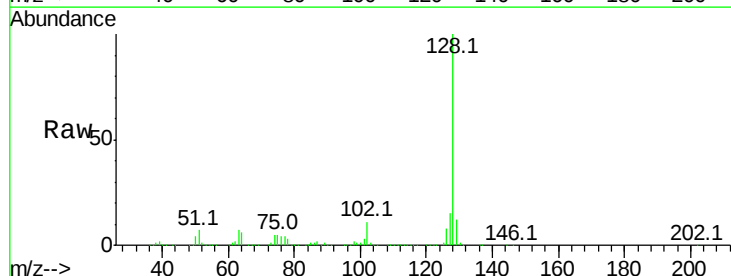


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

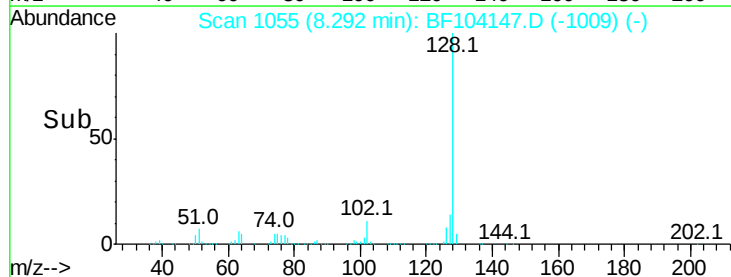
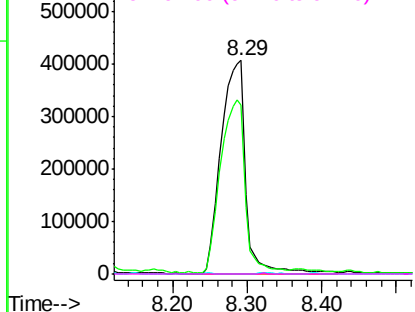


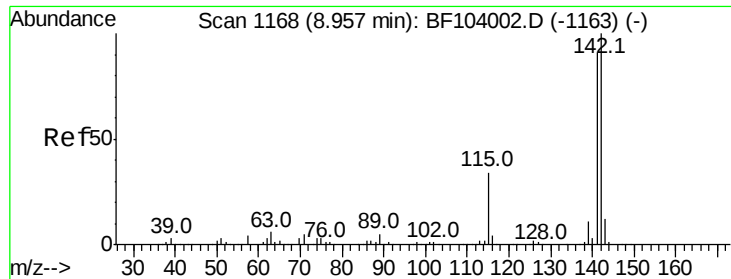
#33
4-Chloroaniline
Concen: 132.785 ng
RT: 8.29 min Scan# 1055
Delta R.T. -0.03 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Tgt Ion:127 Resp: 933575
Ion Ratio Lower Upper
127 100
129 79.3 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

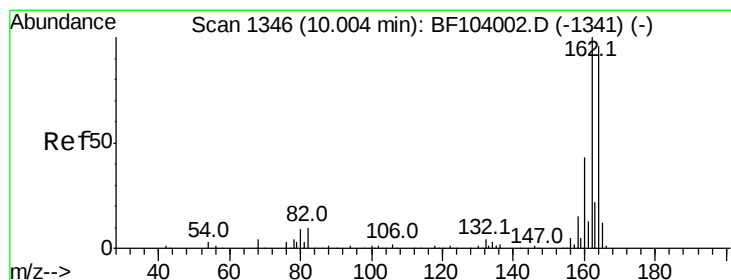
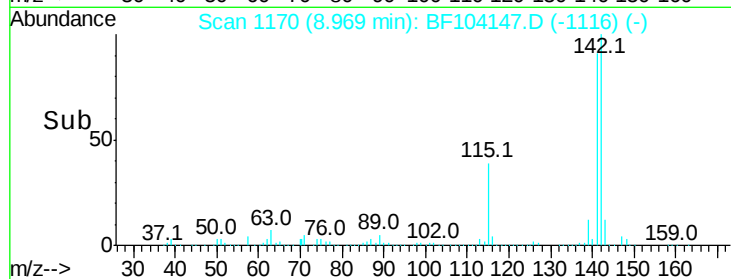
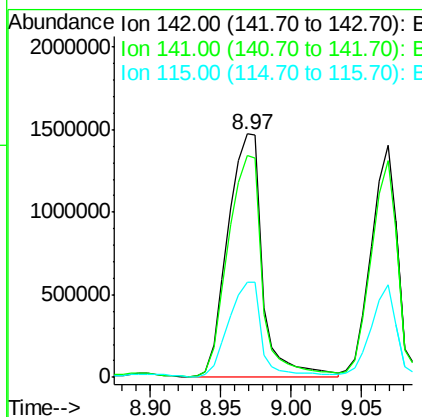
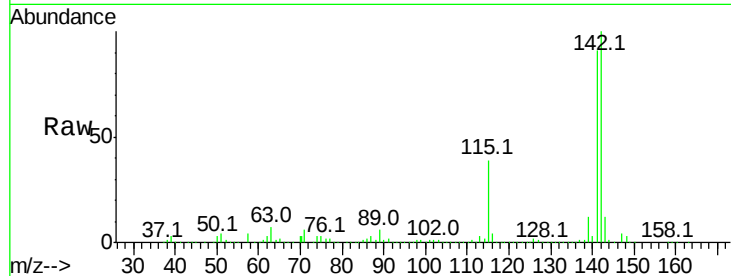




#37
 2-Methylnaphthalene
 Concen: 228.368 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. 0.02 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

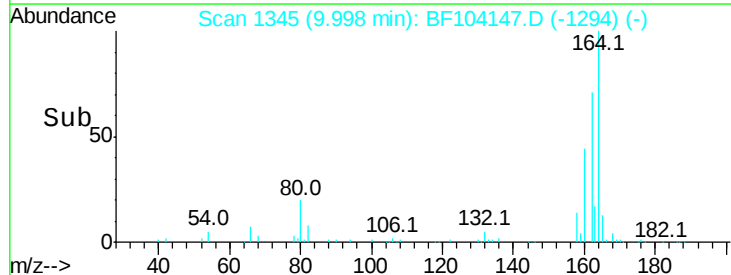
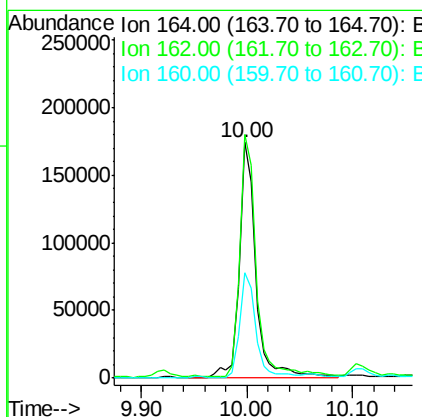
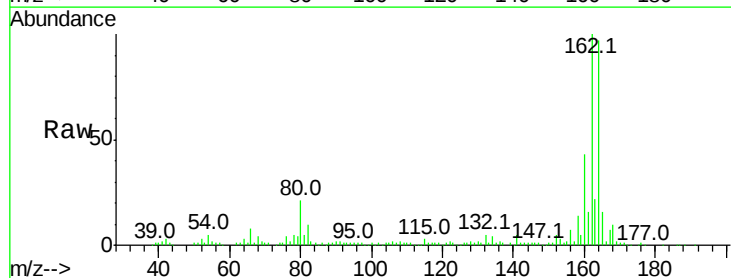
Instrument :
 BNA_F
 ClientSampleId :

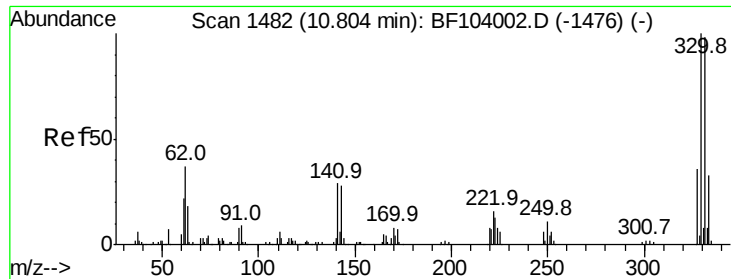
Tot Ion:142 Resp: 2508636
 Ion Ratio Lower Upper
 142 100
 141 91.0 70.8 106.2
 115 39.2 26.1 39.1#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

Tgt Ion:164 Resp: 185998
 Ion Ratio Lower Upper
 164 100
 162 103.5 86.1 129.1
 160 44.7 38.3 57.5

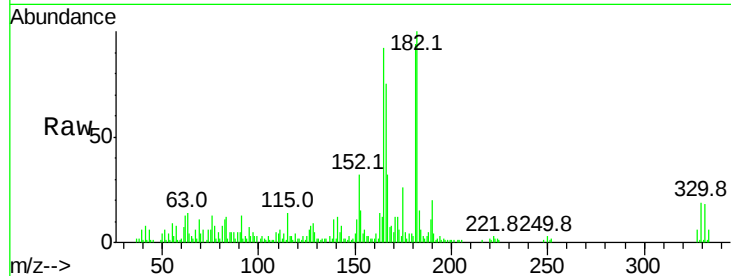




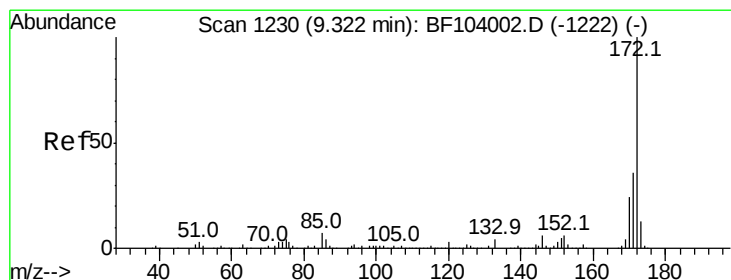
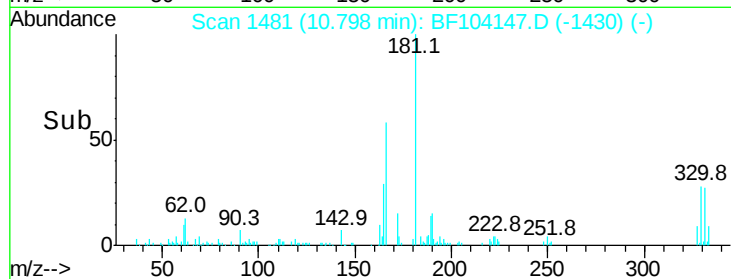
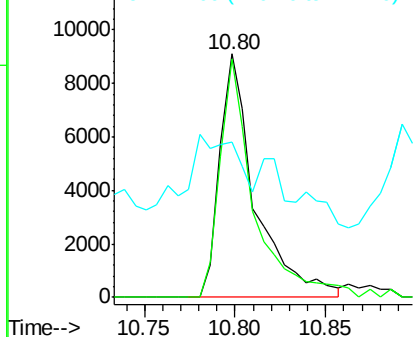
#41
 2,4,6-Tribromophenol
 Concen: 6.020 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 12469
 Ion Ratio Lower Upper
 330 100
 332 93.7 77.0 115.6
 141 41.7 29.9 44.9

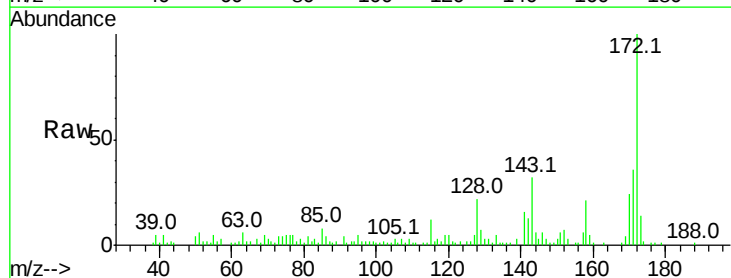


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

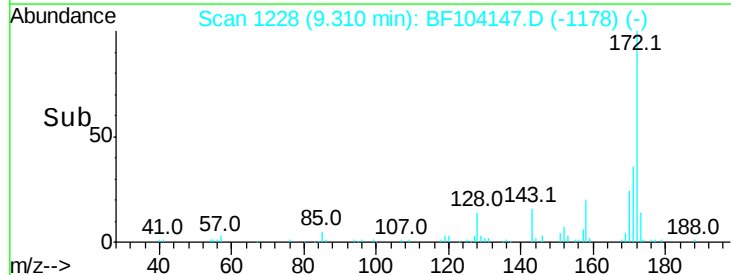
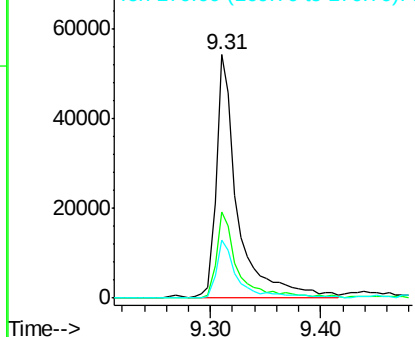


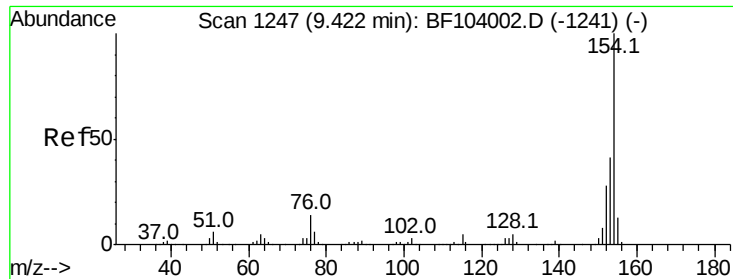
#44
 2-Fluorobiphenyl
 Concen: 6.257 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

Tgt Ion:172 Resp: 73803
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.9 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





#45

1,1'-Biphenyl

Concen: 44.466 ng

RT: 9.42 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampleId :

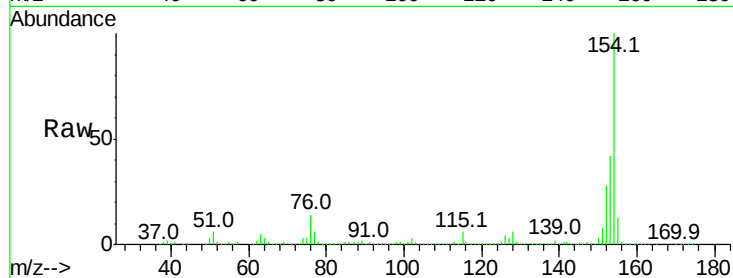
Tot Ion:154 Resp: 709847

Ion Ratio Lower Upper

154 100

153 41.9 21.3 61.3

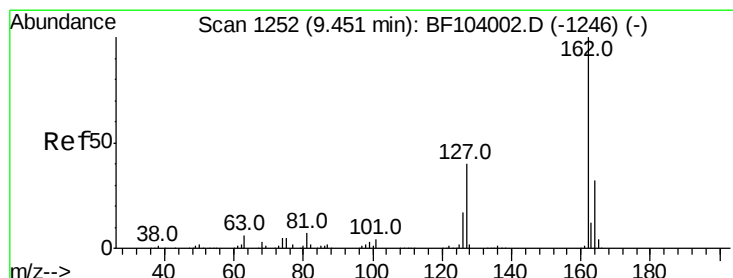
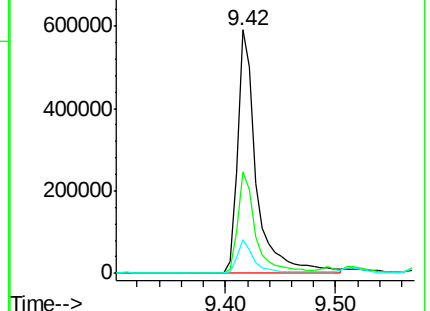
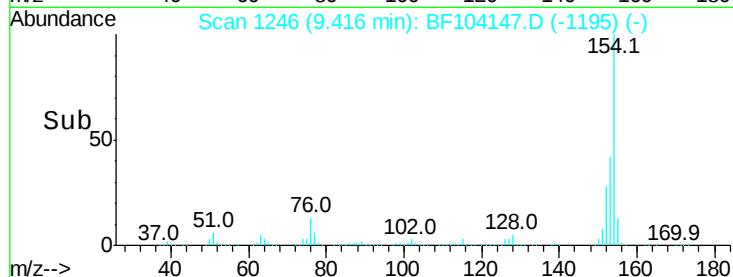
76 13.6 0.0 34.0



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



#46

2-Chloronaphthalene

Concen: 7.073 ng

RT: 9.49 min Scan# 1259

Delta R.T. 0.04 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

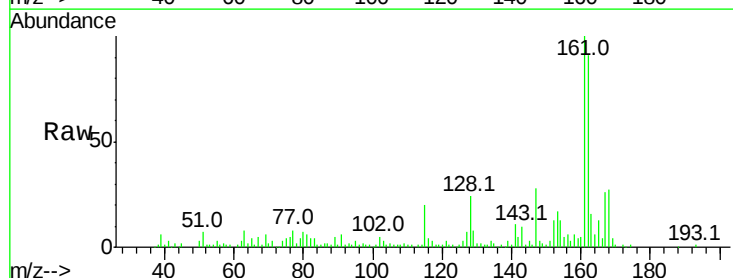
Tgt Ion:162 Resp: 89060

Ion Ratio Lower Upper

162 100

127 7.6 33.9 50.9#

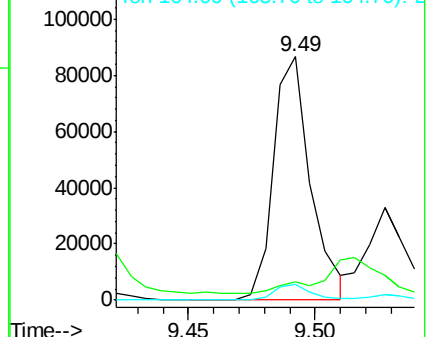
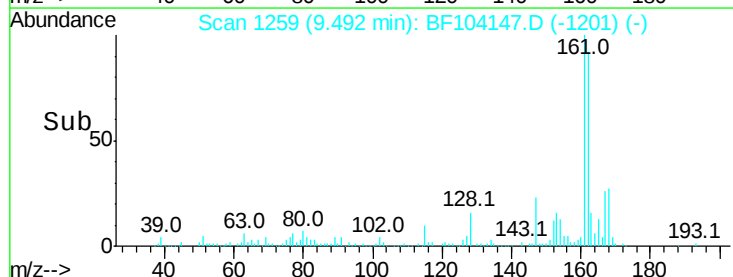
164 6.7 26.5 39.7#

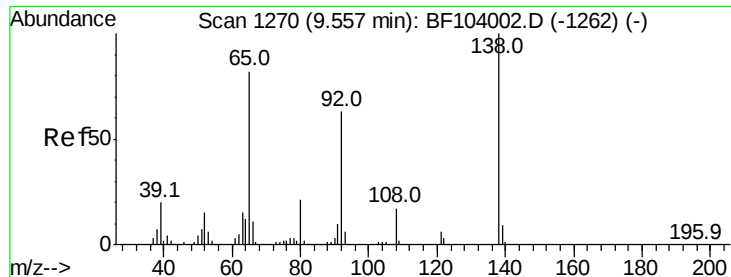


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 3.252 ng

RT: 9.59 min Scan# 1275

Delta R.T. 0.04 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampled :

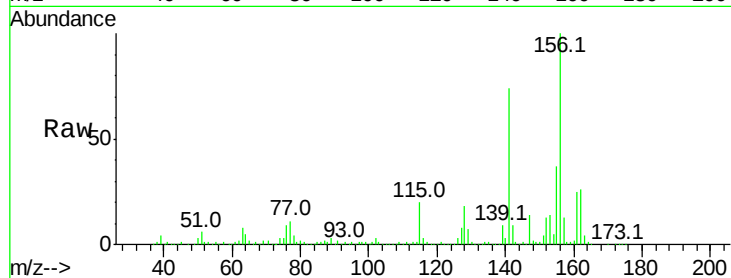
Tot Ion: 65 Resp: 11676

Ion Ratio Lower Upper

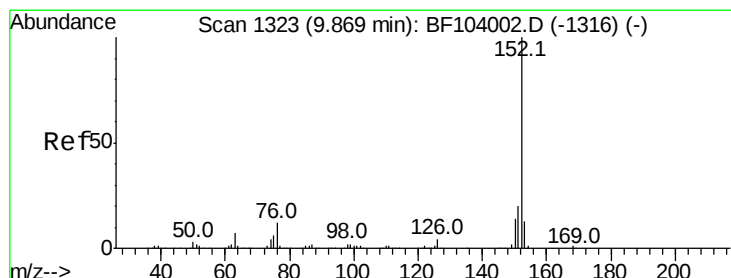
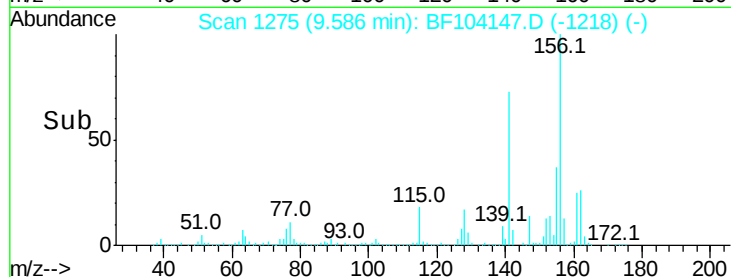
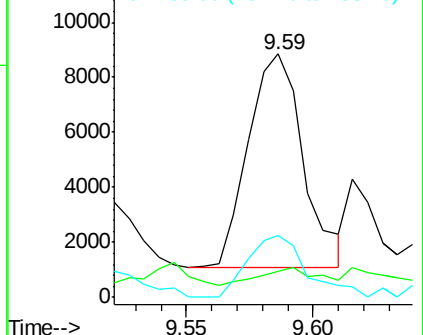
65 100

92 10.4 55.8 83.6#

138 25.7 91.2 136.8#



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



#48

Acenaphthylene

Concen: 60.728 ng

RT: 9.87 min Scan# 1323

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

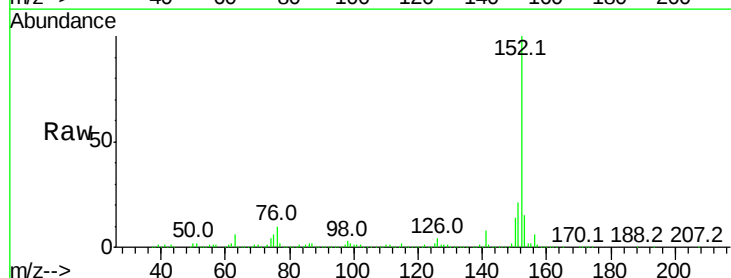
Tgt Ion: 152 Resp: 1158503

Ion Ratio Lower Upper

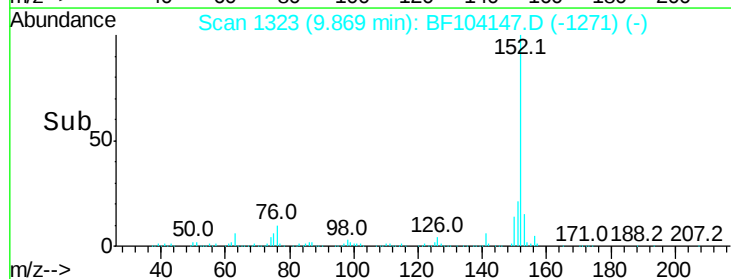
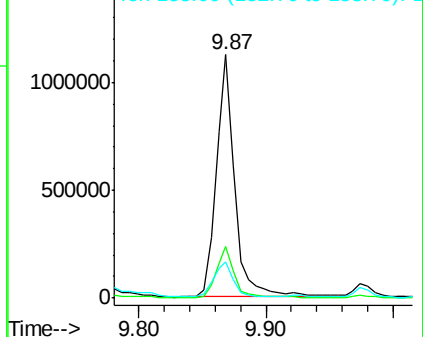
152 100

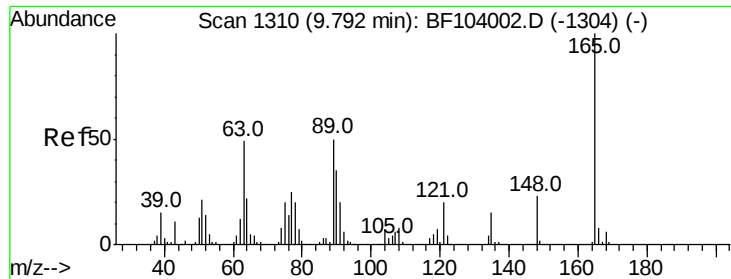
151 20.9 16.3 24.5

153 15.1 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

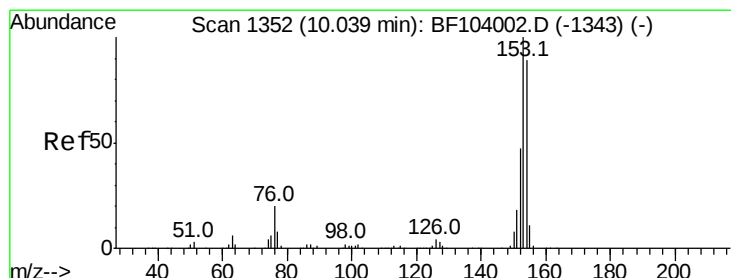
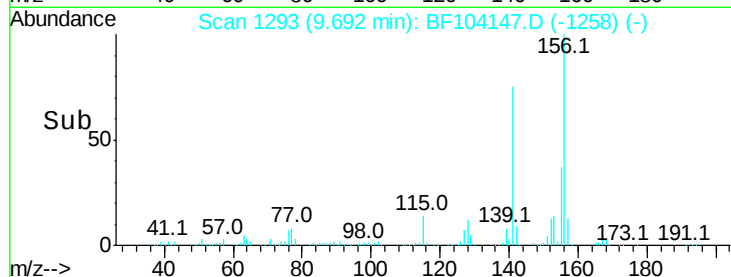
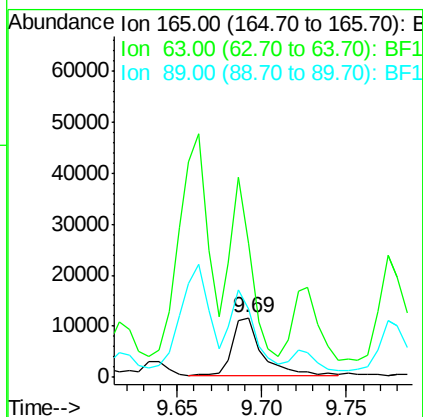
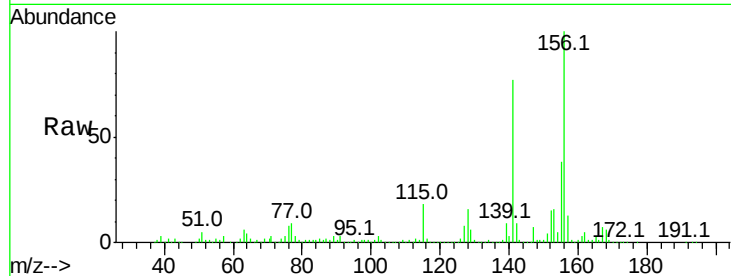




#50
2,6-Dinitrotoluene
Concen: 4.285 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.09 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

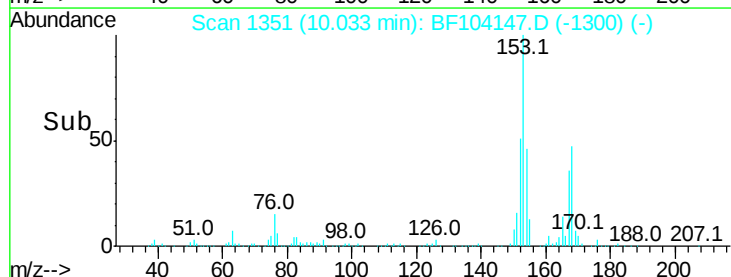
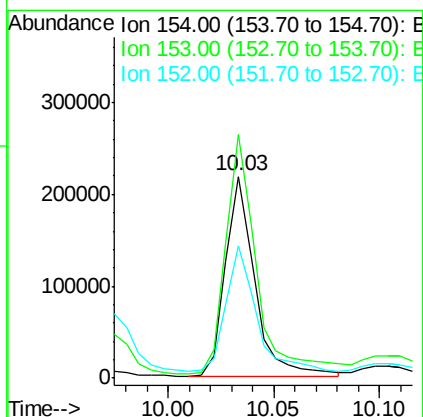
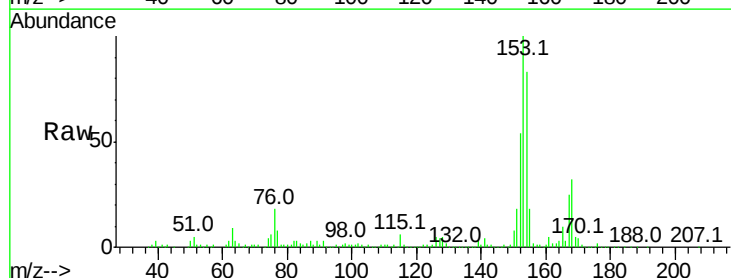
Instrument :
BNA_F
ClientSampleId :

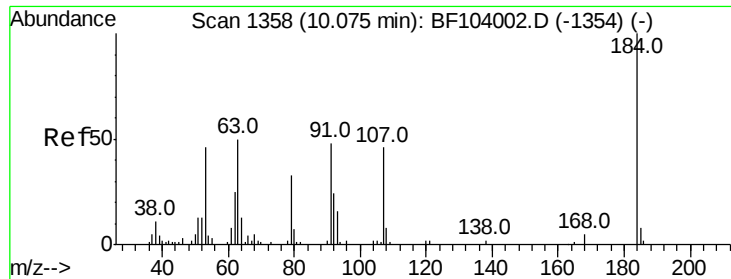
Tot Ion:165 Resp: 13539
Ion Ratio Lower Upper
165 100
63 225.2 44.7 67.1#
89 114.8 44.0 66.0#



#51
Acenaphthene
Concen: 18.850 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Tgt Ion:154 Resp: 208027
Ion Ratio Lower Upper
154 100
153 120.8 91.2 136.8
152 65.7 43.8 65.8

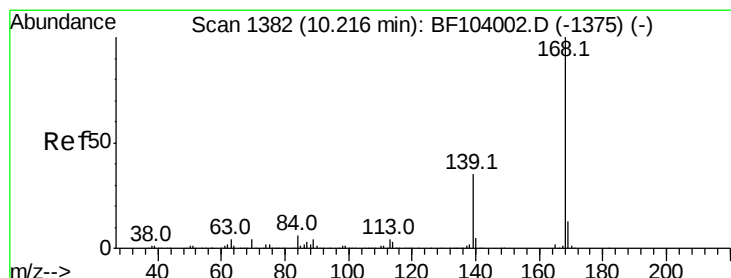
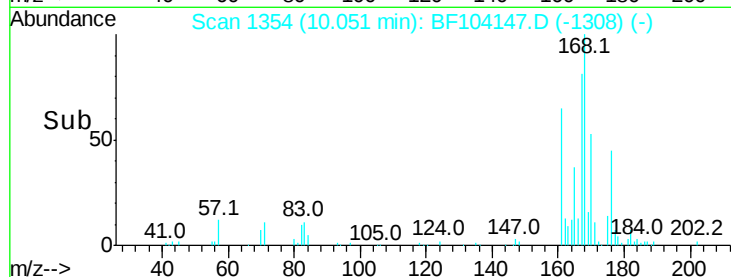
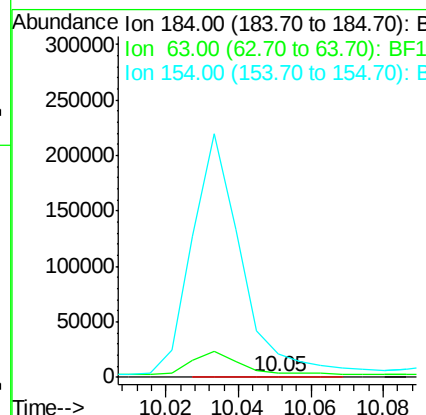
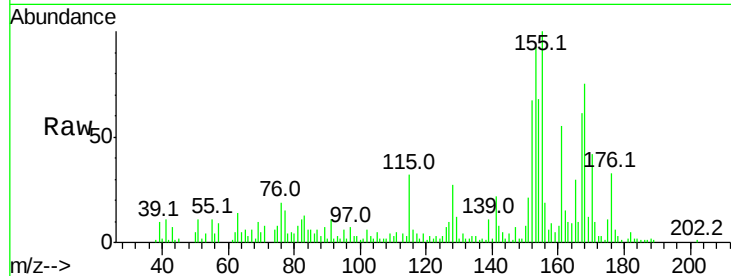




#53
2,4-Dinitrophenol
Concen: 6.213 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.03 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

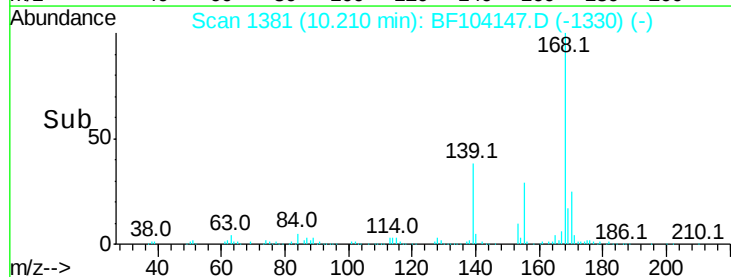
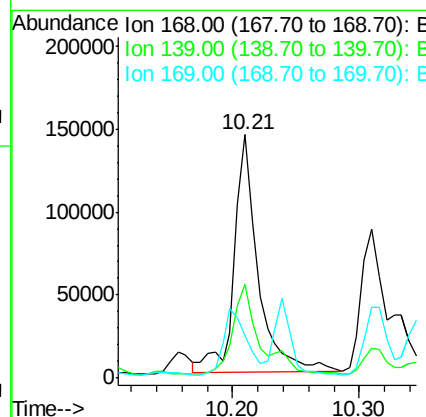
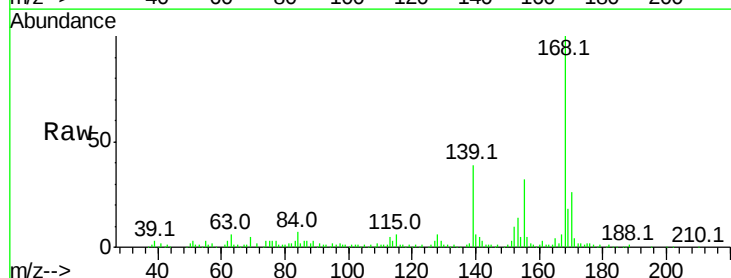
Instrument :
BNA_F
ClientSampled :

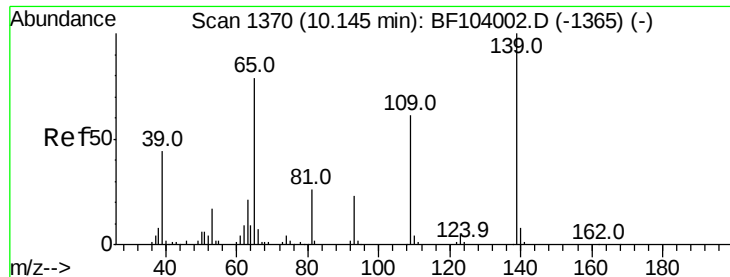
Tot Ion:184 Resp: 950
Ion Ratio Lower Upper
184 100
63 739.6 54.2 81.2#
154 3602.7 184.0 276.0#



#54
Dibenzofuran
Concen: 11.533 ng
RT: 10.21 min Scan# 1381
Delta R.T. -0.00 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Tgt Ion:168 Resp: 185868
Ion Ratio Lower Upper
168 100
139 38.8 30.1 45.1
169 17.6 10.9 16.3#

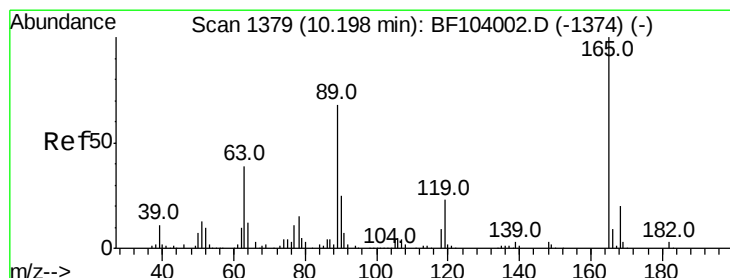
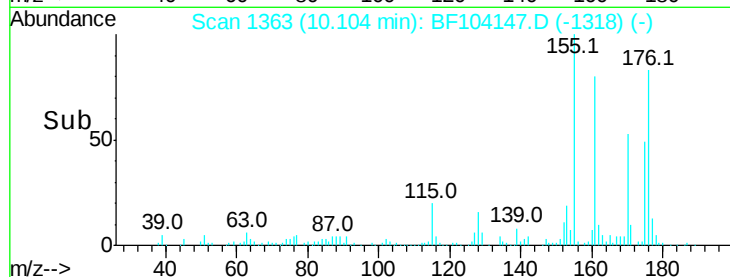
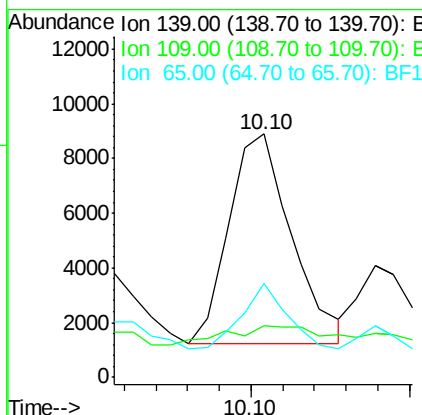
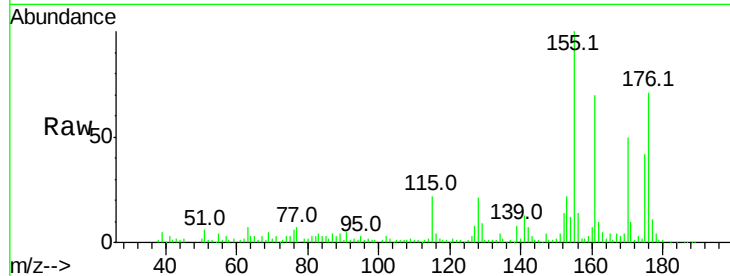




#55
 4-Nitrophenol
 Concen: 4.796 ng
 RT: 10.10 min Scan# 1363
 Delta R.T. -0.04 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

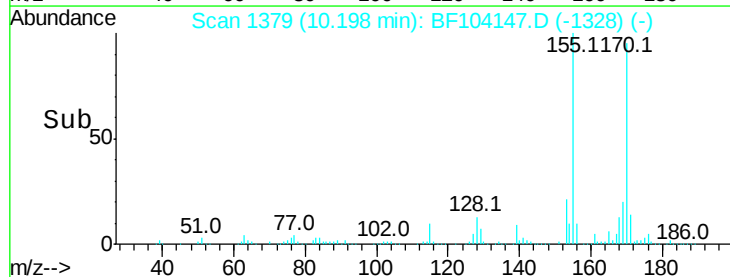
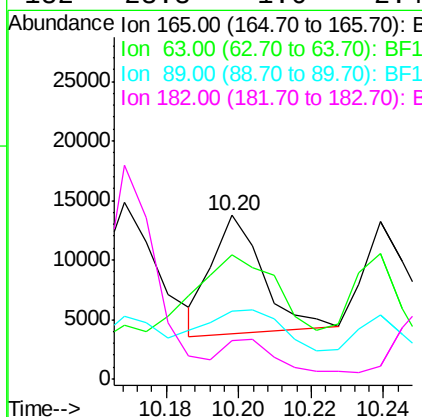
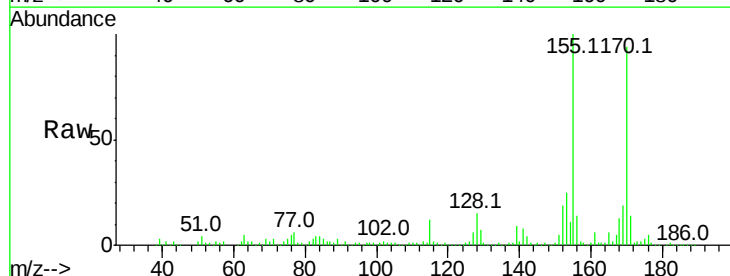
Instrument :
 BNA_F
 ClientSampled :

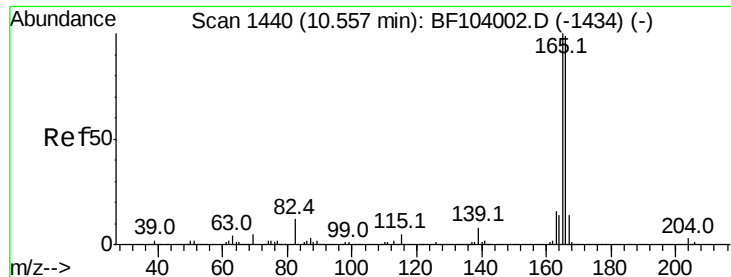
Tot Ion:139 Resp: 10445
 Ion Ratio Lower Upper
 139 100
 109 21.5 48.4 88.4#
 65 38.3 72.6 112.6#



#56
 2,4-Dinitrotoluene
 Concen: 2.432 ng
 RT: 10.20 min Scan# 1379
 Delta R.T. -0.00 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

Tgt Ion:165 Resp: 9803
 Ion Ratio Lower Upper
 165 100
 63 75.6 36.4 54.6#
 89 41.8 57.8 86.6#
 182 23.3 1.6 2.4#

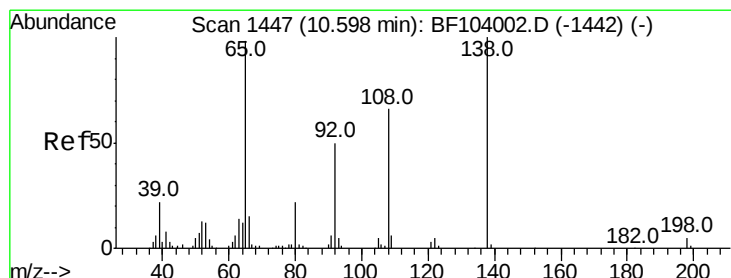
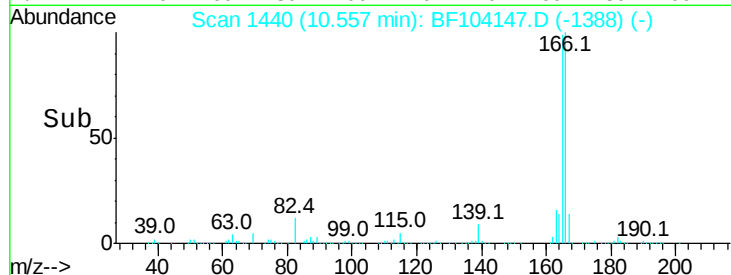
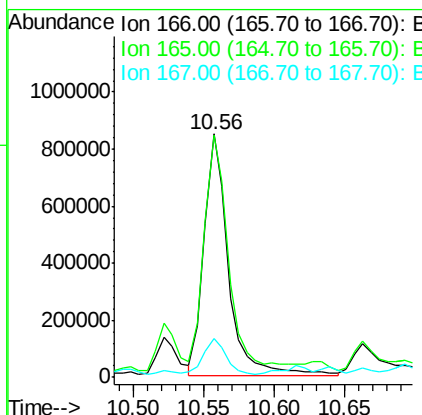
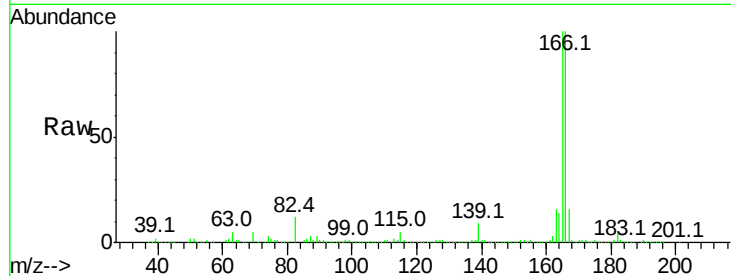




#57
 Fluorene
 Concen: 77.409 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.01 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

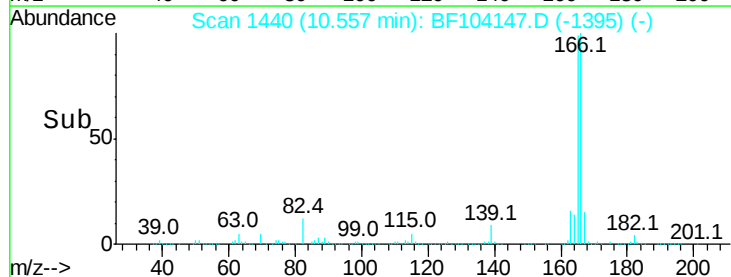
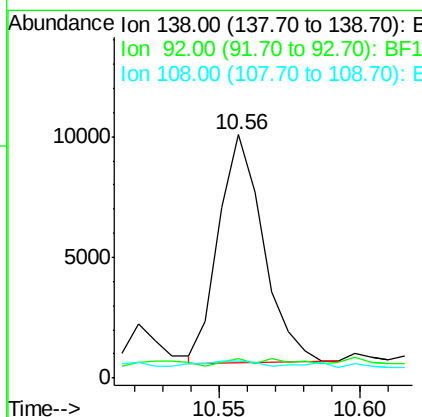
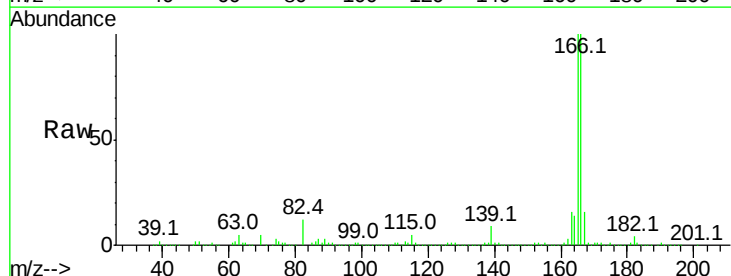
Instrument :
 BNA_F
 ClientSampleId :

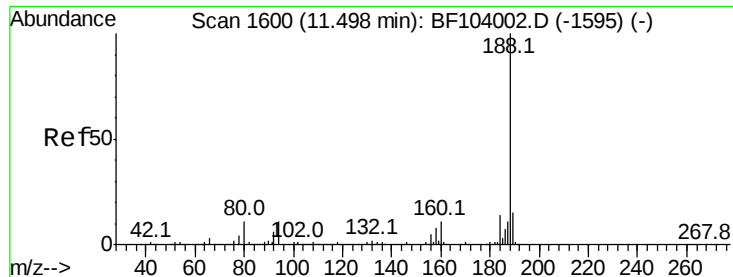
Tot Ion:166 Resp: 1029052
 Ion Ratio Lower Upper
 166 100
 165 99.7 79.8 119.8
 167 15.8 10.6 16.0



#61
 4-Nitroaniline
 Concen: 3.037 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.04 min
 Lab File: BF104147.D
 Acq: 2 Apr 2018 20:30

Tgt Ion:138 Resp: 10322
 Ion Ratio Lower Upper
 138 100
 92 8.3 30.2 70.2#
 108 7.2 52.5 92.5#

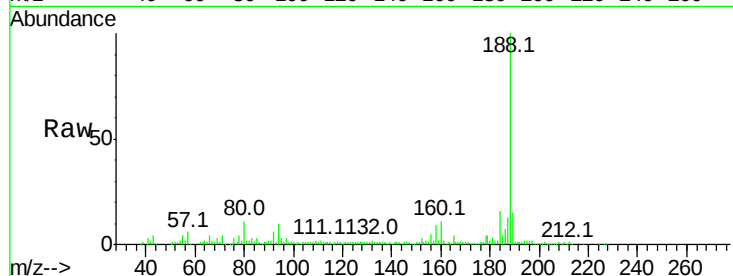




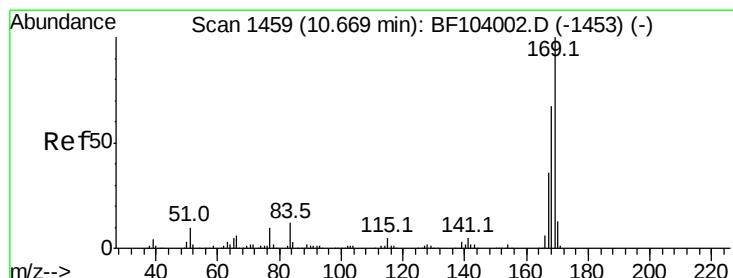
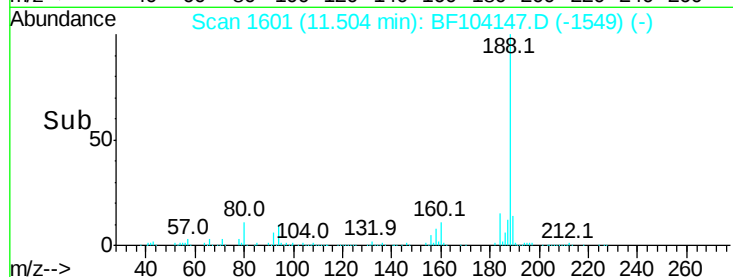
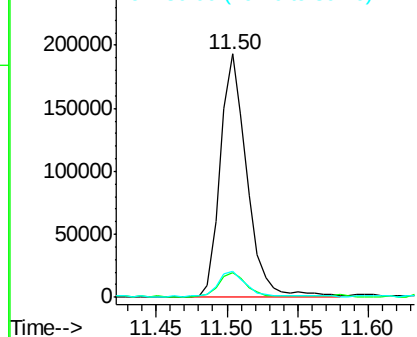
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Instrument :
BNA_F
ClientSampled :

Tot Ion:188 Resp: 254768
Ion Ratio Lower Upper
188 100
94 10.4 8.5 12.7
80 10.9 9.2 13.8

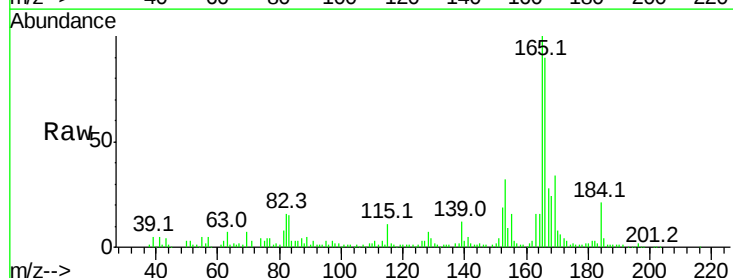


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

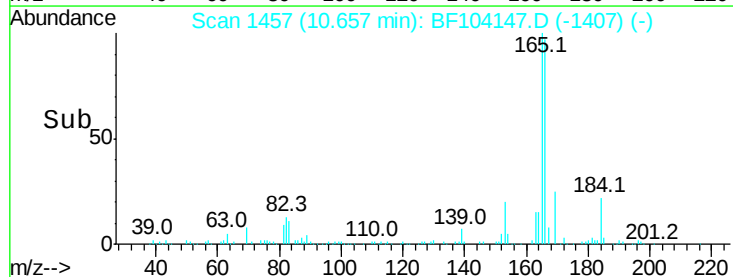
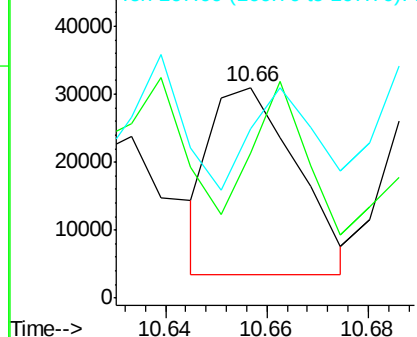


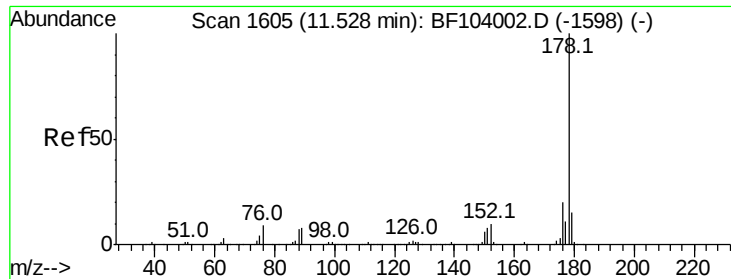
#65
n-Nitrosodiphenylamine
Concen: 3.716 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.01 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Tgt Ion:169 Resp: 32063
Ion Ratio Lower Upper
169 100
168 68.8 54.4 81.6
167 80.6 29.8 44.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 209.775 ng

RT: 11.54 min Scan# 1607

Delta R.T. 0.02 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampleId :

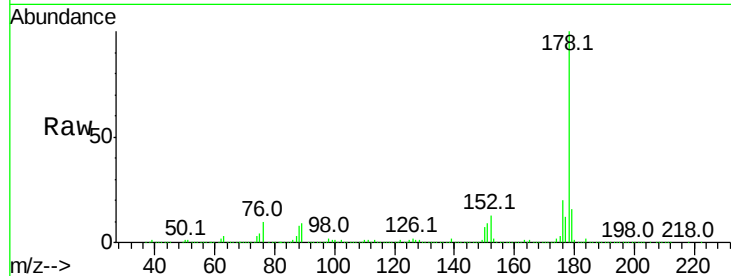
Tot Ion:178 Resp: 2893516

Ion Ratio Lower Upper

178 100

176 20.4 15.8 23.8

179 16.3 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E

2500000 Ion 176.00 (175.70 to 176.70): E

2000000 Ion 179.00 (178.70 to 179.70): E

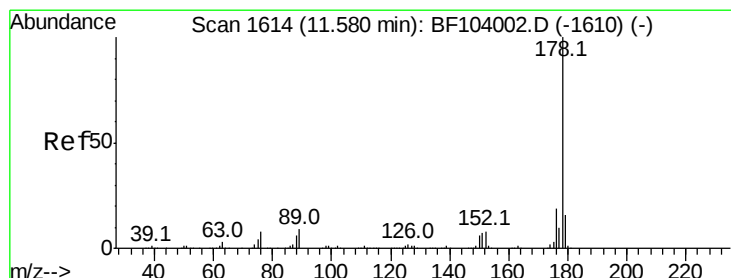
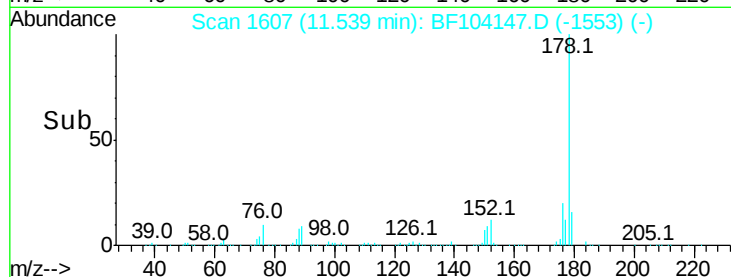
1500000

1000000

500000

0

Time--> 11.45 11.50 11.55



#71

Anthracene

Concen: 73.712 ng

RT: 11.58 min Scan# 1614

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

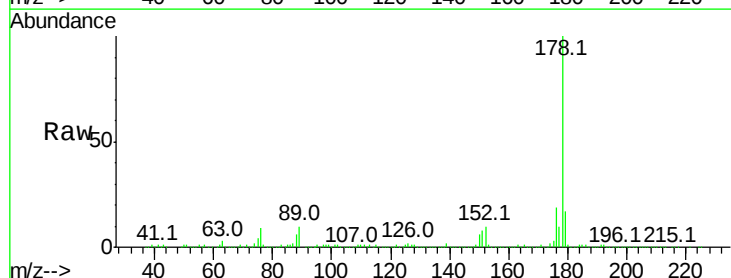
Tgt Ion:178 Resp: 1062019

Ion Ratio Lower Upper

178 100

176 18.8 15.4 23.2

179 16.6 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

2500000 Ion 176.00 (175.70 to 176.70): E

2000000 Ion 179.00 (178.70 to 179.70): E

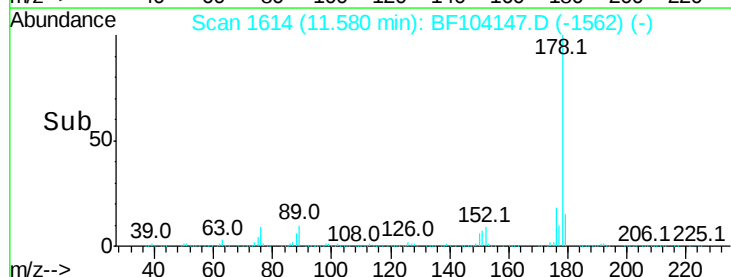
1500000

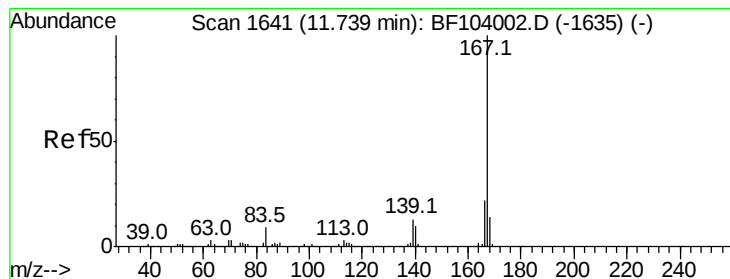
1000000

500000

0

Time--> 11.60 11.70





#72

Carbazole

Concen: 5.110 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampled :

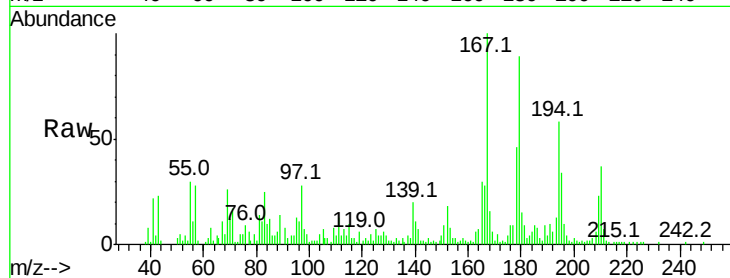
Tot Ion:167 Resp: 70274

Ion Ratio Lower Upper

167 100

166 27.9 17.6 26.4#

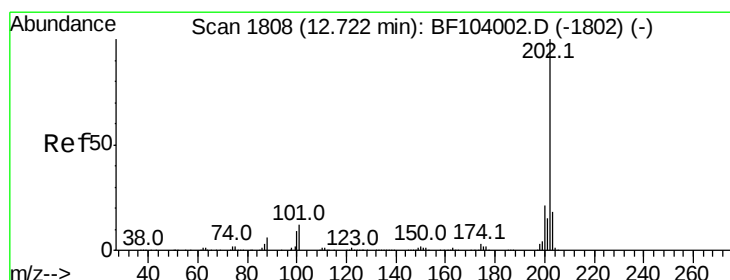
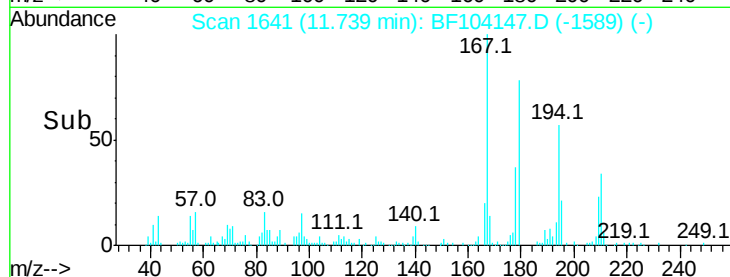
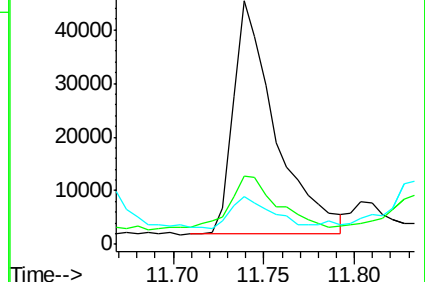
139 19.5 10.9 16.3#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 83.566 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

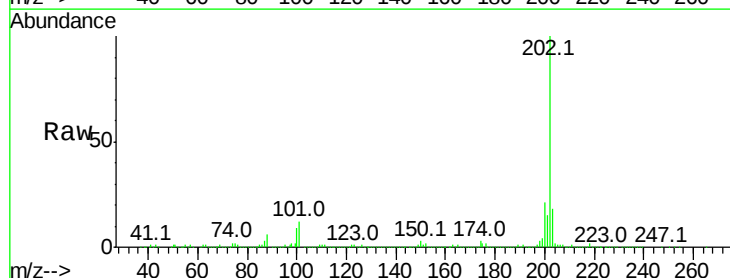
Tgt Ion:202 Resp: 1225220

Ion Ratio Lower Upper

202 100

101 12.0 0.0 34.1

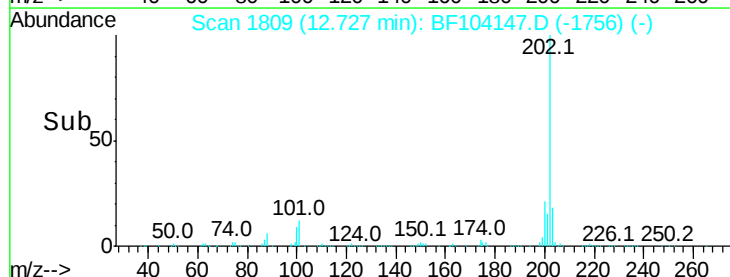
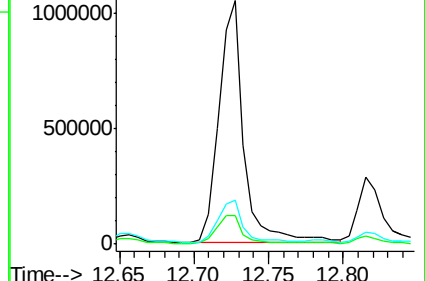
203 17.8 0.0 38.1

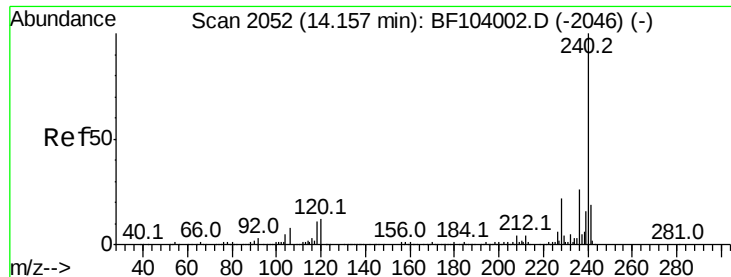


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

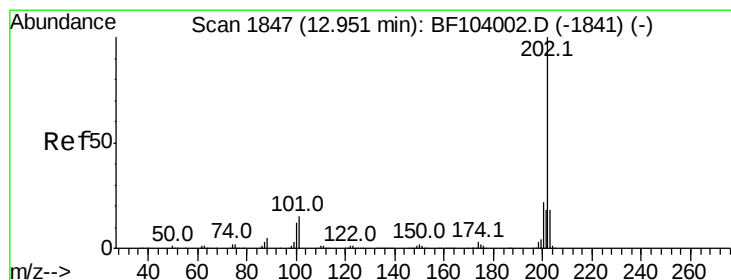
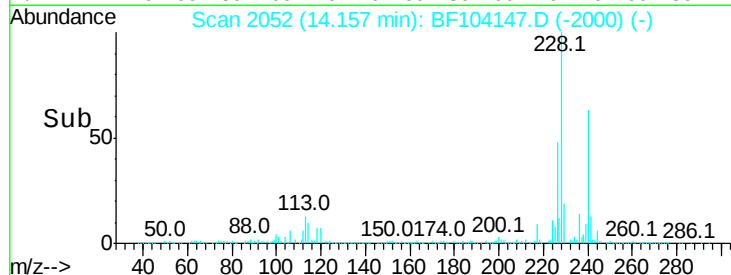
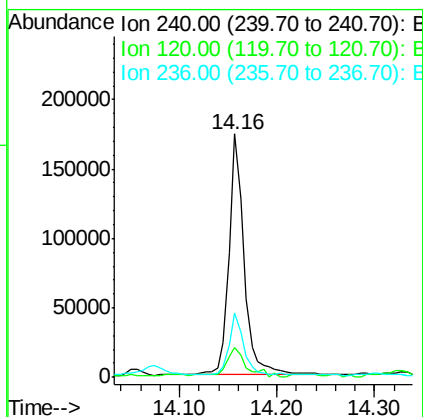
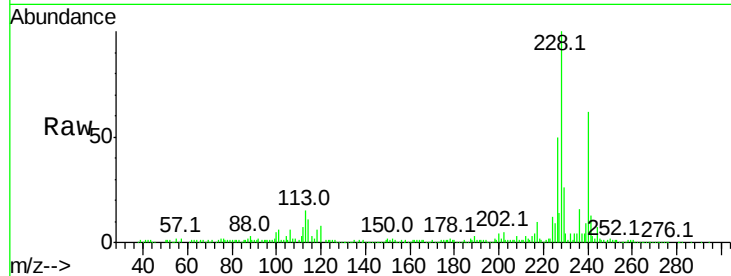




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

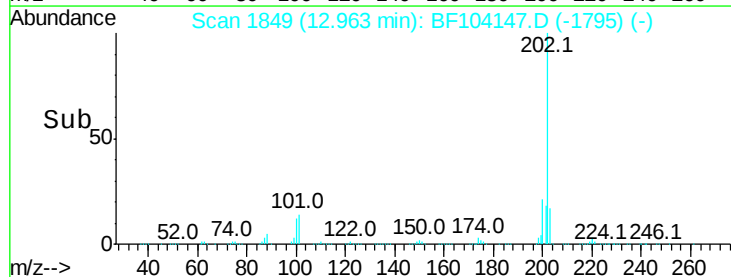
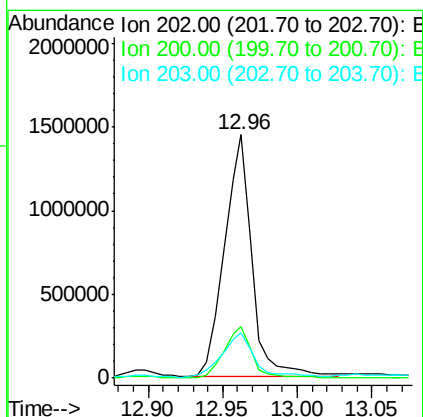
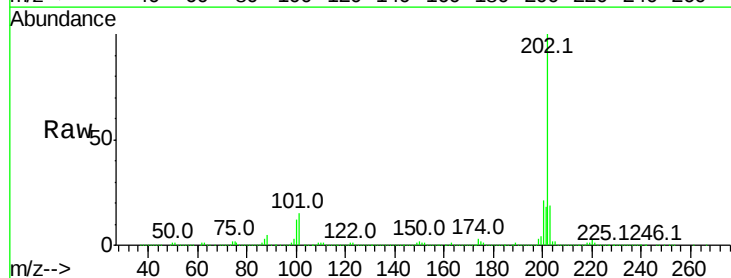
Instrument :
BNA_F
ClientSampleId :

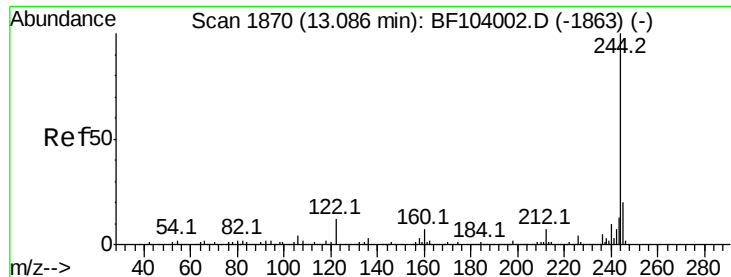
Tot Ion:240 Resp: 188524
Ion Ratio Lower Upper
240 100
120 12.5 9.5 14.3
236 26.4 20.7 31.1



#77
Pyrene
Concen: 137.439 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.02 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Tgt Ion:202 Resp: 1862602
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.2
203 18.8 14.3 21.5





#78

Terphenyl-d14

Concen: 5.762 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampleId :

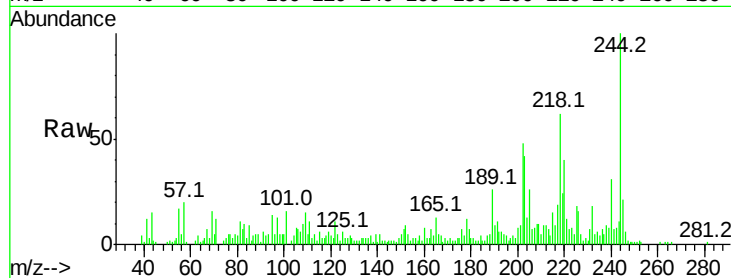
Tot Ion:244 Resp: 47045

Ion Ratio Lower Upper

244 100

212 9.3 5.4 8.0#

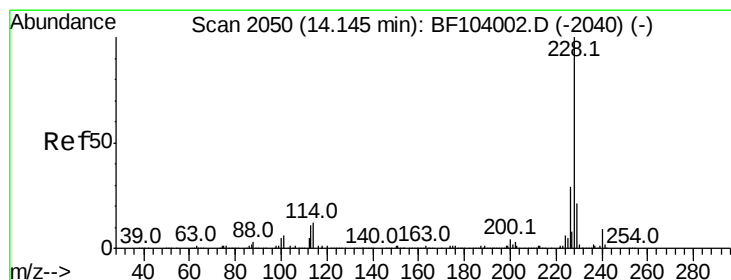
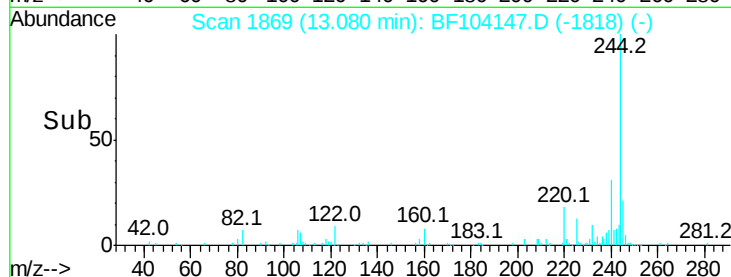
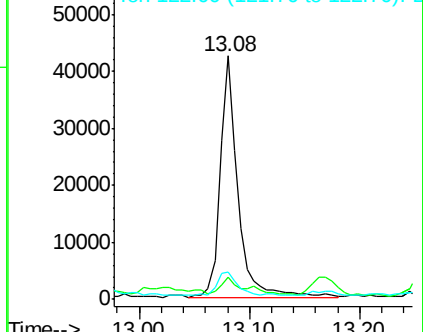
122 11.1 11.0 16.4



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: 65.581 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.05 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

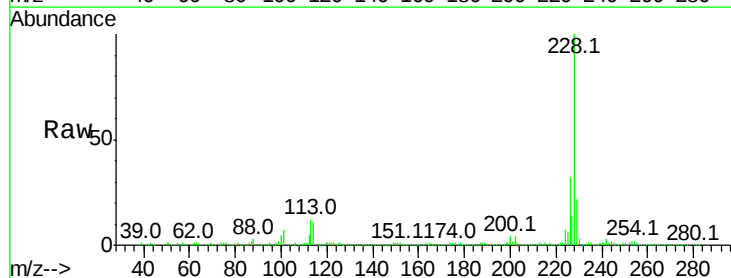
Tgt Ion:228 Resp: 773608

Ion Ratio Lower Upper

228 100

226 32.4 22.6 33.8

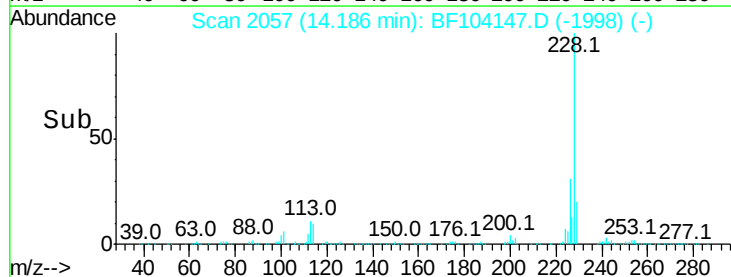
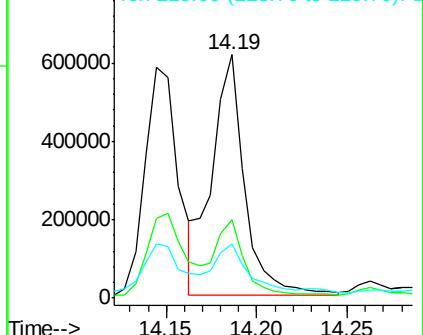
229 22.5 15.8 23.6

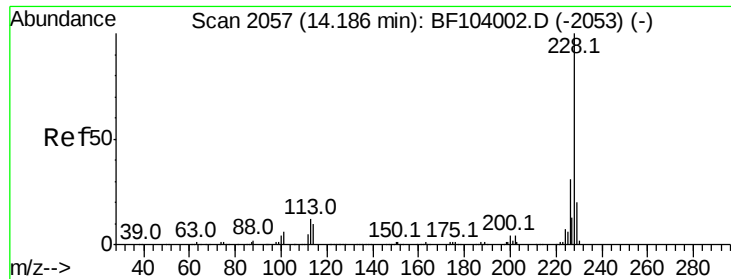


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 66.956 ng

RT: 14.19 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

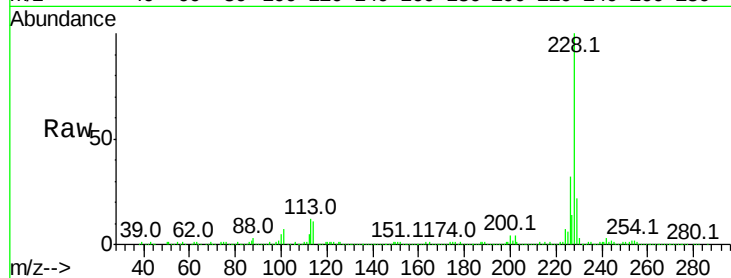
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 773608

Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	22.5	16.2	24.4

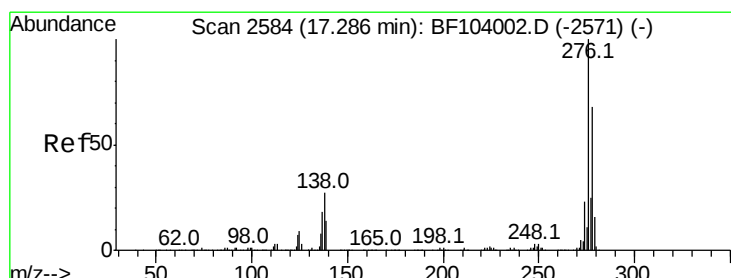
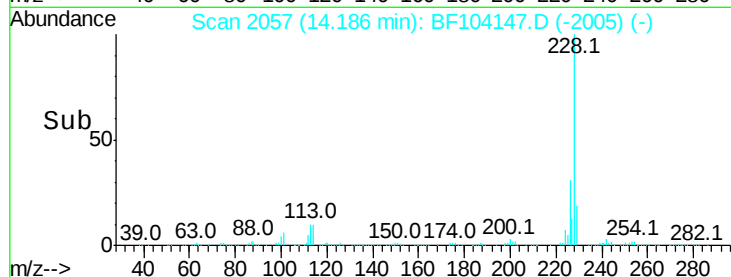
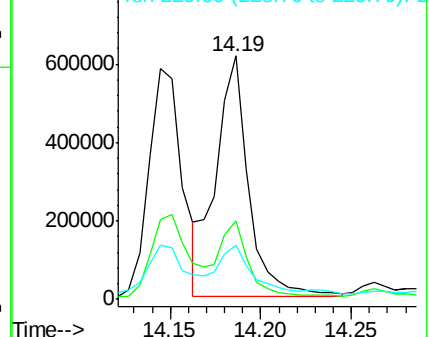


Abundance

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: 17.782 ng

RT: 17.29 min Scan# 2585

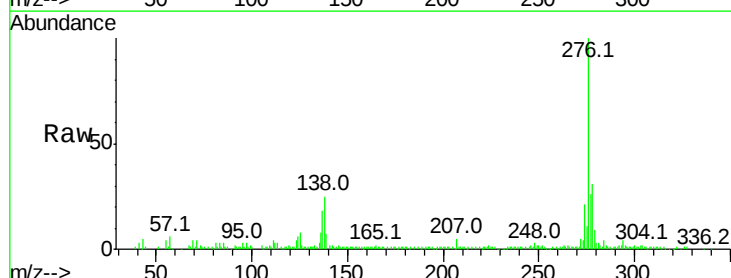
Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Tgt Ion:276 Resp: 212895

Ion	Ratio	Lower	Upper
276	100		
138	21.1	25.0	37.6#
277	20.0	20.1	30.1#

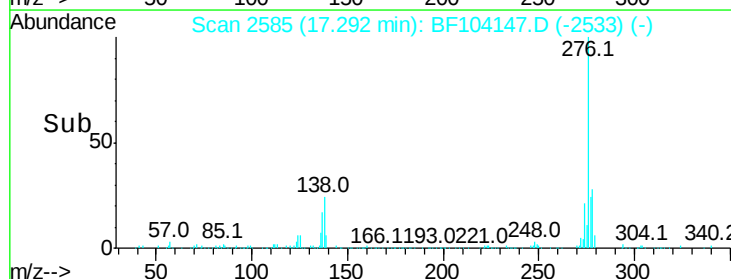
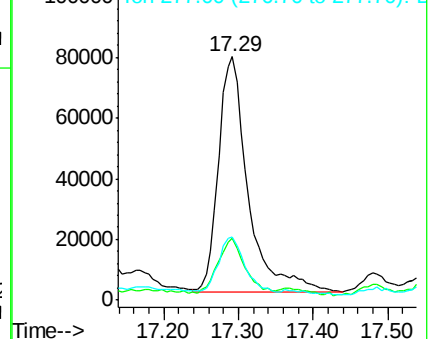


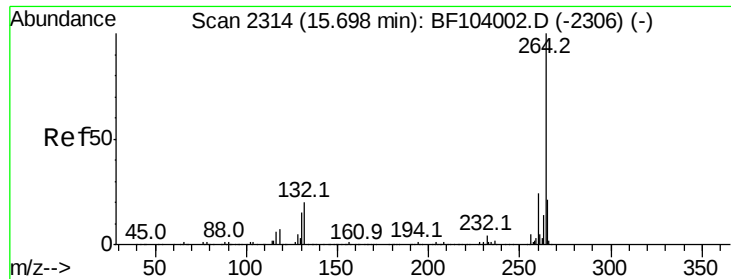
Abundance

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



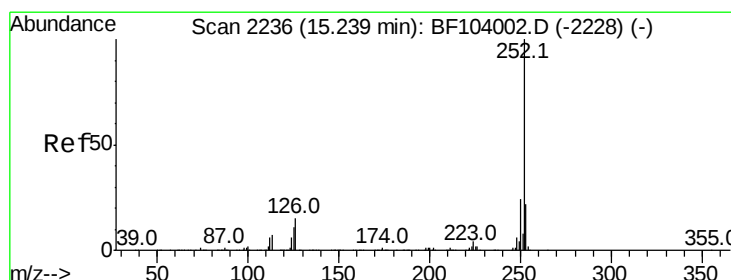
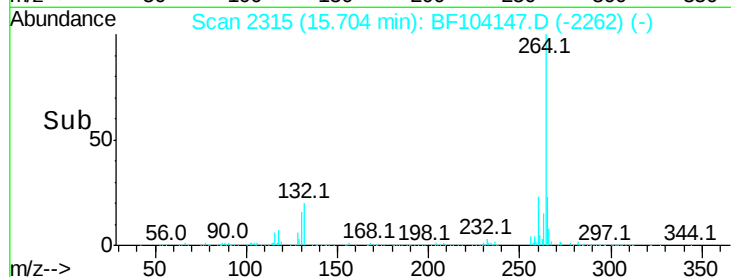
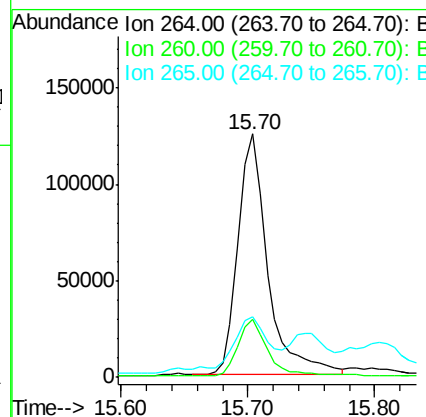
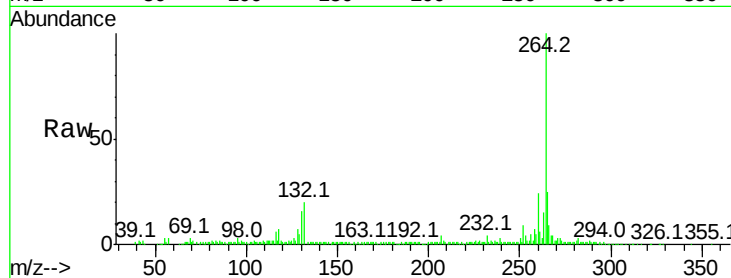


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 202409

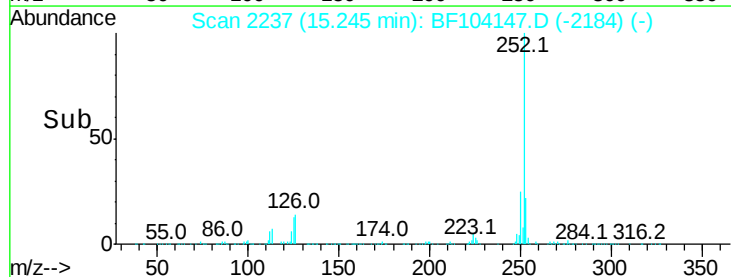
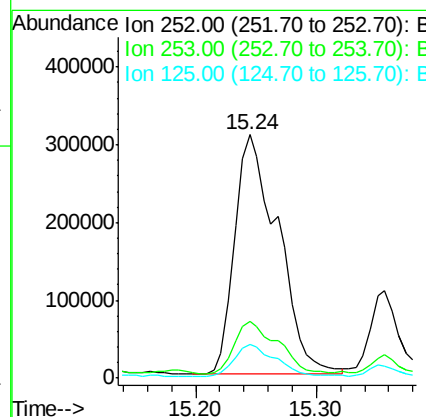
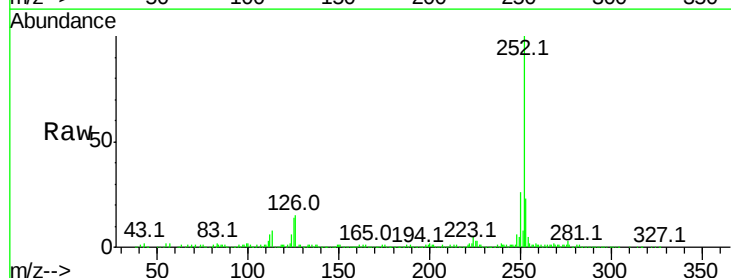
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	24.8	17.5	26.3

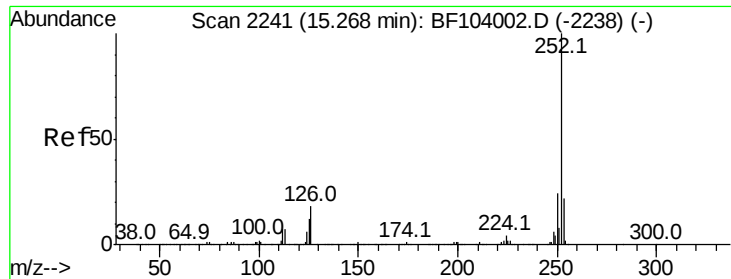


#87
Benzo(b)fluoranthene
Concen: 62.607 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

Tgt Ion:252 Resp: 771217

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	14.1	9.0	13.6

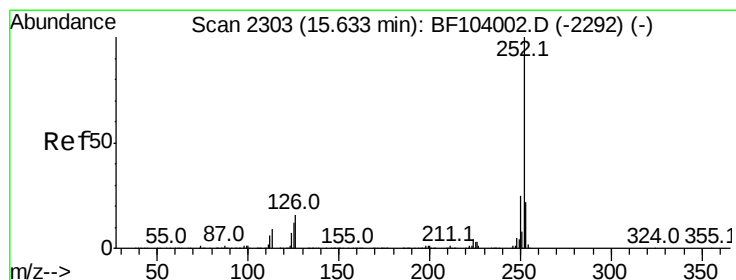
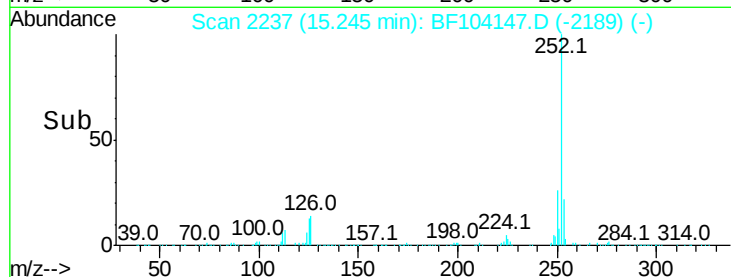
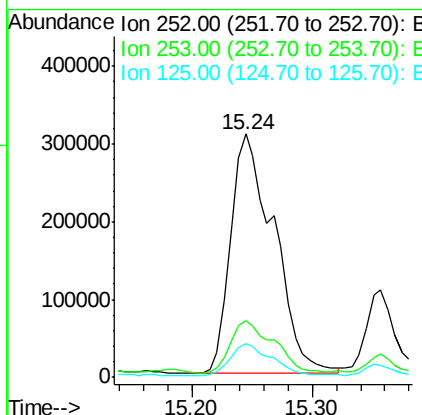
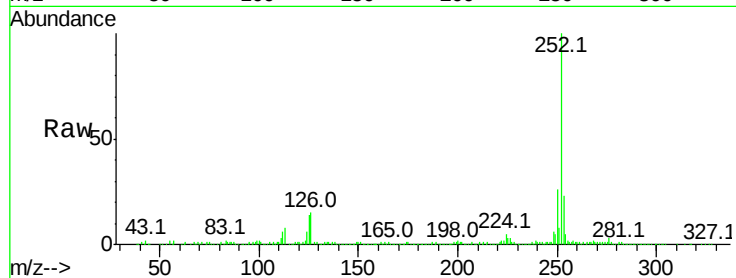




#88
Benzo(k)fluoranthene
Concen: 66.461 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

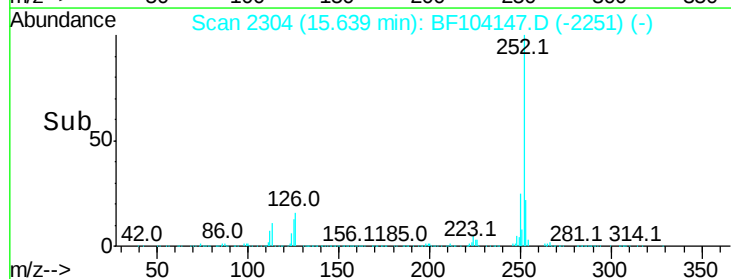
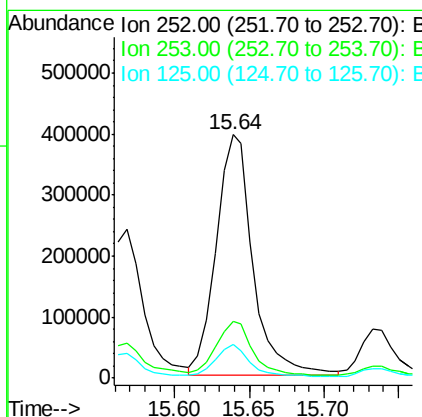
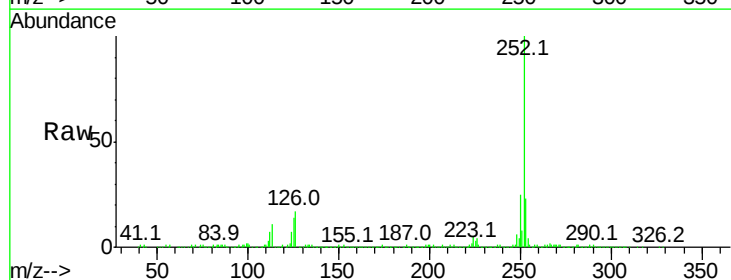
Instrument :
BNA_F
ClientSampleId :

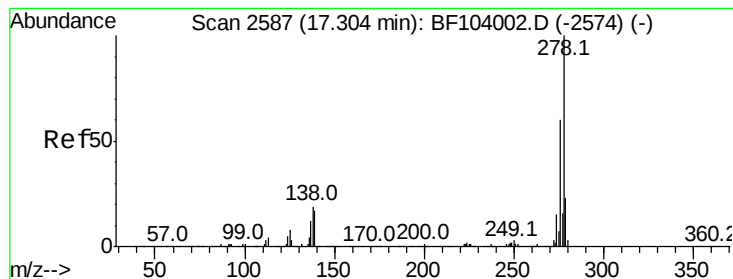
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.1	10.2	15.2



#89
Benzo(a)pyrene
Concen: 59.785 ng
RT: 15.64 min Scan# 2304
Delta R.T. 0.01 min
Lab File: BF104147.D
Acq: 2 Apr 2018 20:30

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





#90

Dibenzo(a,h)anthracene

Concen: 5.515 ng

RT: 17.29 min Scan# 2585

Delta R.T. -0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

Instrument :

BNA_F

ClientSampleId :

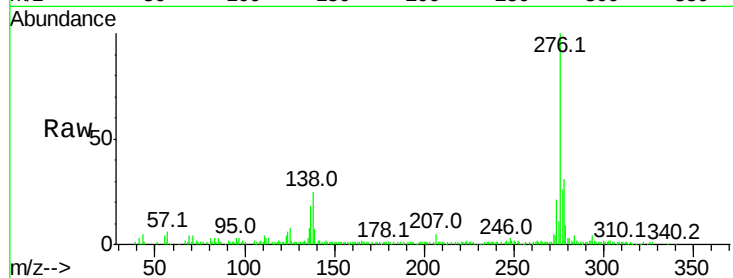
Tot Ion:278 Resp: 58206

Ion Ratio Lower Upper

278 100

139 23.7 15.9 23.9

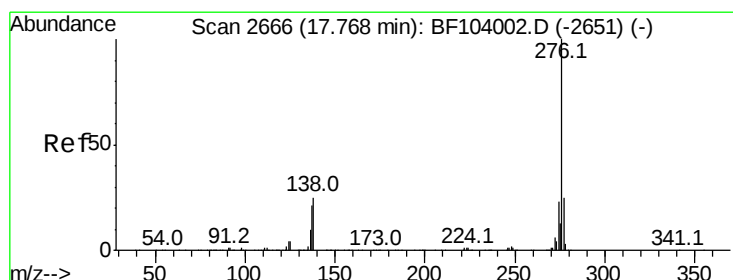
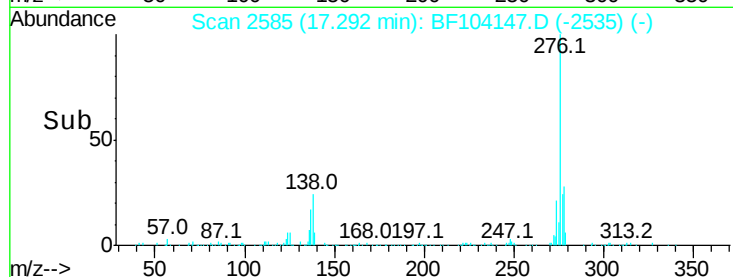
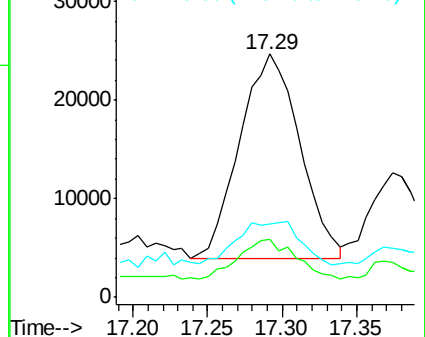
279 30.0 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 21.047 ng

RT: 17.77 min Scan# 2667

Delta R.T. 0.01 min

Lab File: BF104147.D

Acq: 2 Apr 2018 20:30

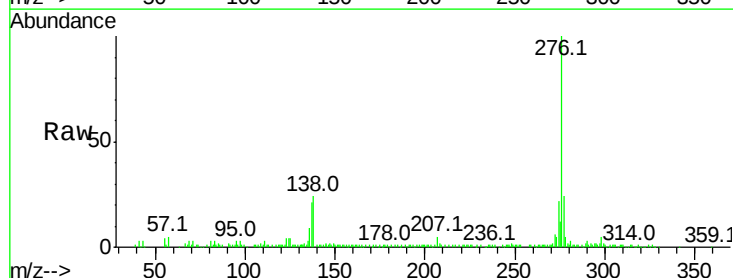
Tgt Ion:276 Resp: 222493

Ion Ratio Lower Upper

276 100

277 24.4 17.9 26.9

138 24.2 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

