

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF040218\
 Data File : BF104139.D
 Acq On : 2 Apr 2018 17:00
 Operator : JU/SJ
 Sample : J2173-04
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 03 01:05:33 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	101451	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	406533	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	198096	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	322889	20.00	ng	0.00
75) Chrysene-d12	14.15	240	228547	20.00	ng	0.00
86) Perylene-d12	15.69	264	236204	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	302117	47.49	ng	0.00
7) Phenol-d6	6.59	99	237084	30.29	ng	0.00
23) Nitrobenzene-d5	7.52	82	551654	82.99	ng	0.00
41) 2,4,6-Tribromophenol	10.79	330	231176	104.80	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1083798	86.27	ng	0.00
78) Terphenyl-d14	13.08	244	759469	76.73	ng	0.00

Target Compounds

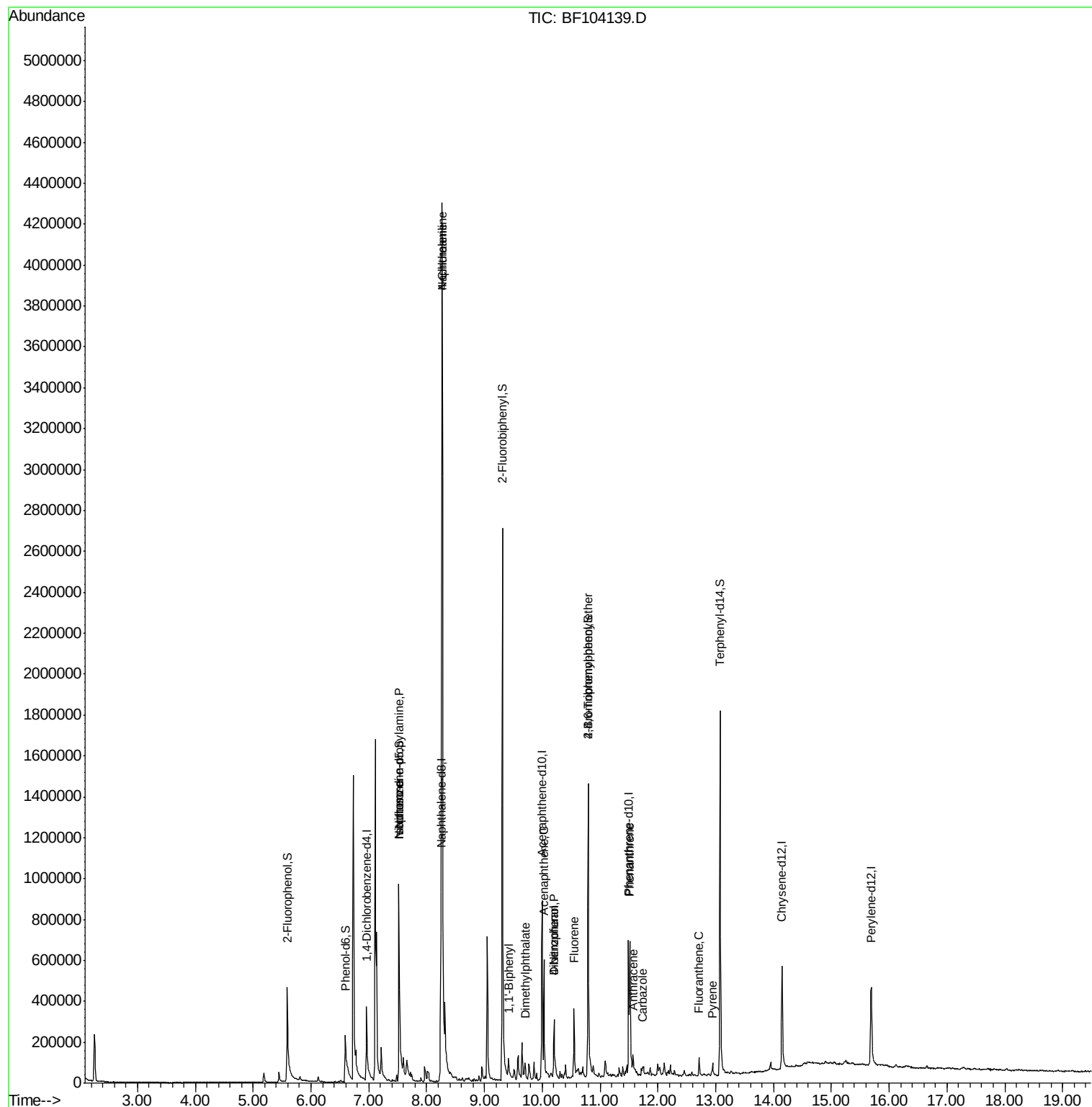
						Qvalue
19) n-Nitroso-di-n-propylamine	7.52	70	66830	14.388	ng	# 73
25) Isophorone	7.52	82	551654	45.030	ng	# 64
31) Naphthalene	8.27	128	2802615	141.115	ng	99
33) 4-Chloroaniline	8.27	127	375989	44.905	ng	# 33
45) 1,1'-Biphenyl	9.42	154	46284	2.722	ng	98
49) Dimethylphthalate	9.70	163	37745	2.413	ng	98
51) Acenaphthene	10.03	154	141580	12.046	ng	99
54) Dibenzofuran	10.20	168	164020	9.556	ng	99
55) 4-Nitrophenol	10.20	139	62112	26.781	ng	# 11
57) Fluorene	10.55	166	137932	9.742	ng	99
66) 4-Bromophenyl-phenylether	10.79	248	13324	3.857	ng	# 1
70) Phenanthrene	11.52	178	276771	15.832	ng	98
71) Anthracene	11.57	178	72506	3.971	ng	99
72) Carbazole	11.74	167	37438	2.148	ng	99
74) Fluoranthene	12.71	202	44457	2.392	ng	97
77) Pyrene	12.95	202	33047	2.011	ng	96

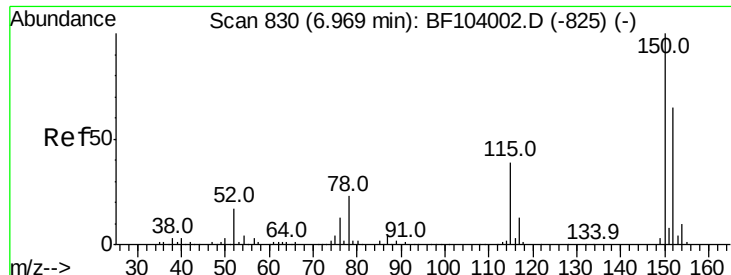
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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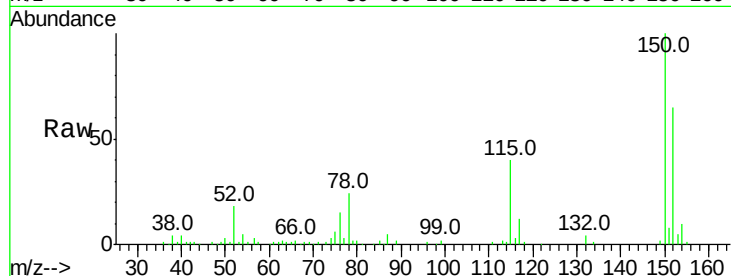


#1

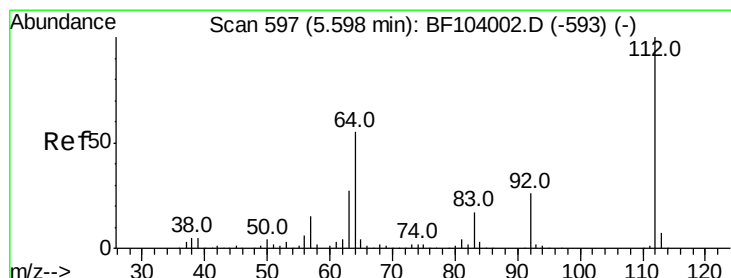
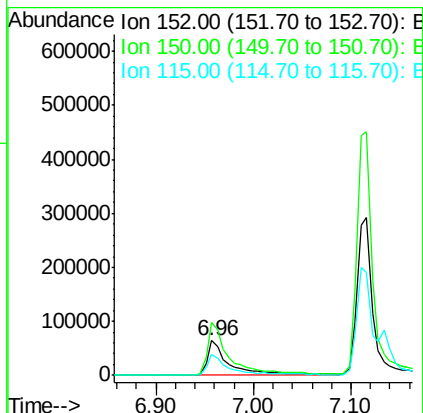
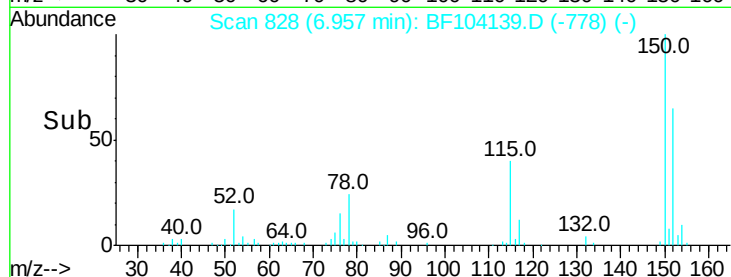
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 101451
Ion Ratio Lower Upper
152 100
150 153.5 124.6 186.8
115 61.6 50.1 75.1



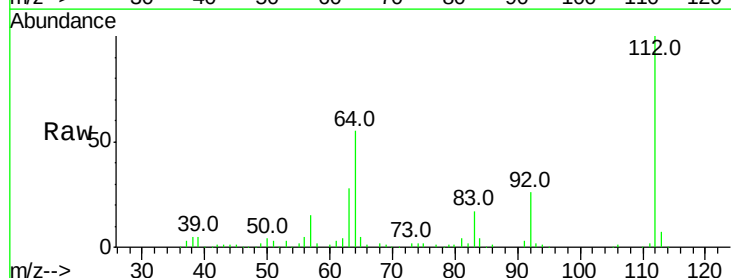
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



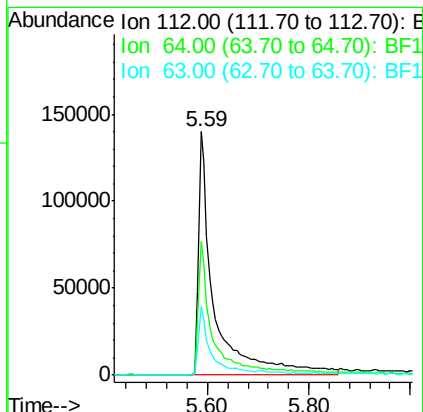
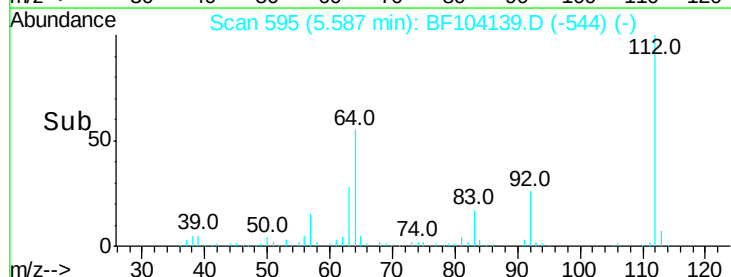
#5

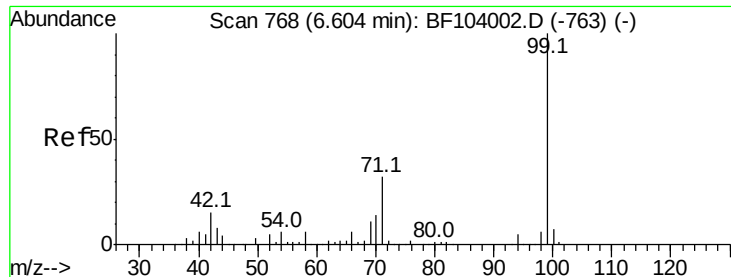
2-Fluorophenol
Concen: 47.491 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.00 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Tgt Ion:112 Resp: 302117
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.0 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: 30.292 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

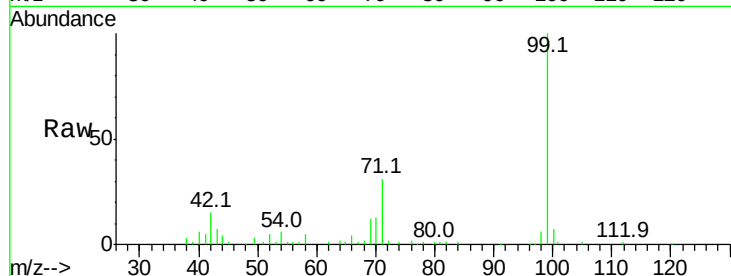
Tot Ion: 99 Resp: 237084

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

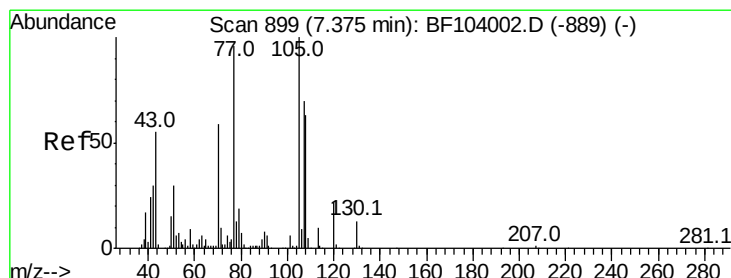
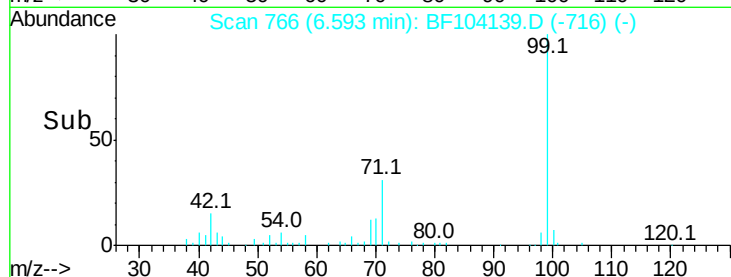
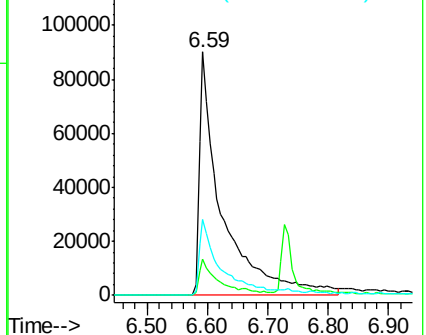
71 31.4 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.388 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.15 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Tgt Ion: 70 Resp: 66830

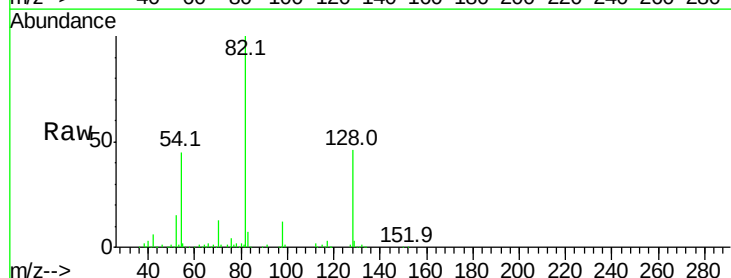
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

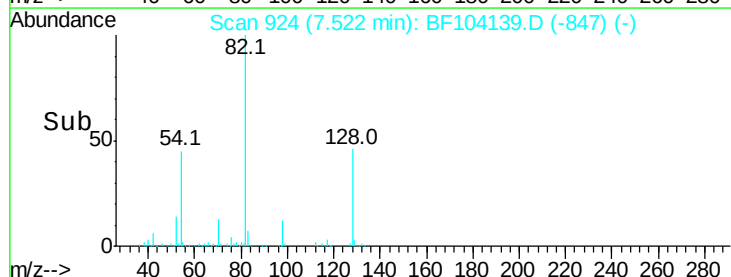
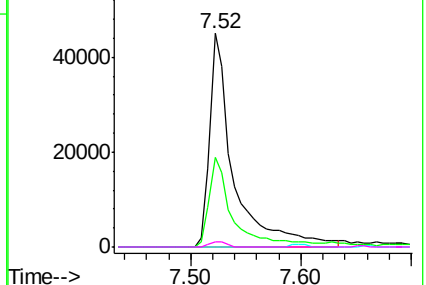


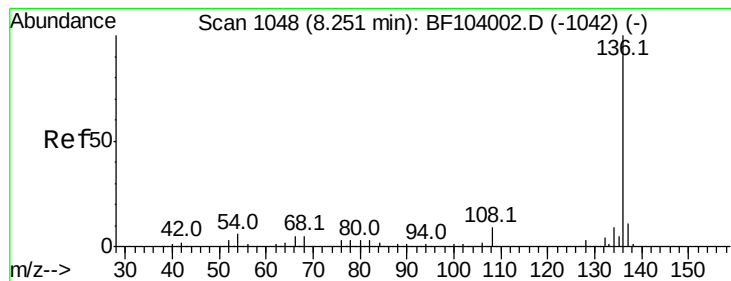
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

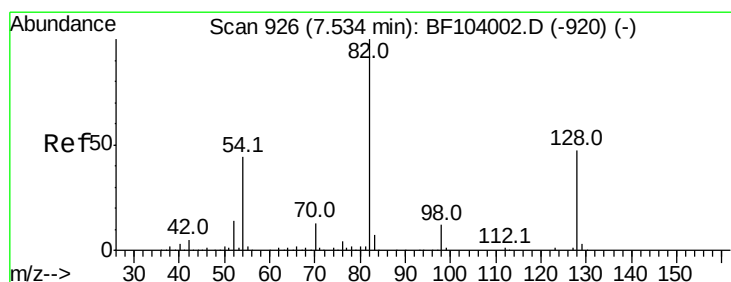
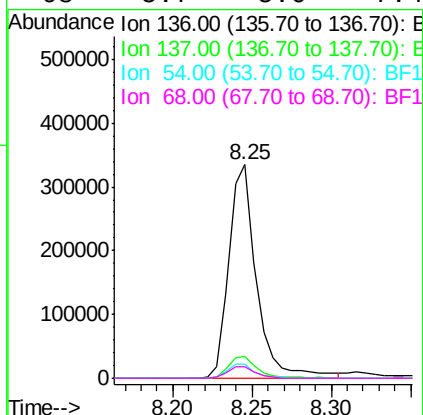
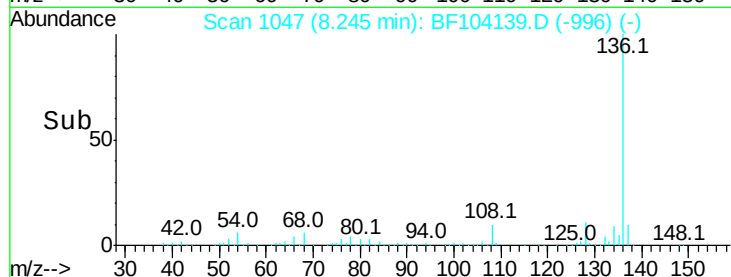
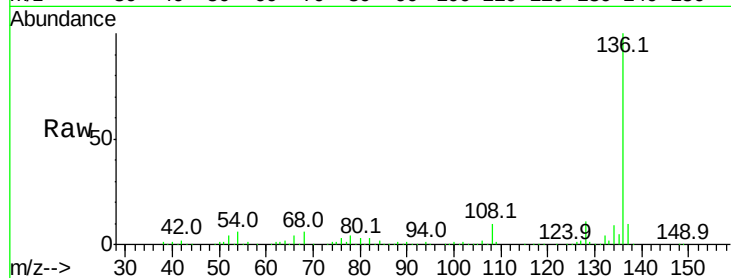




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.00 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

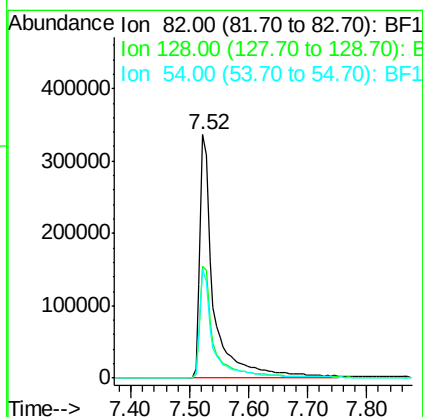
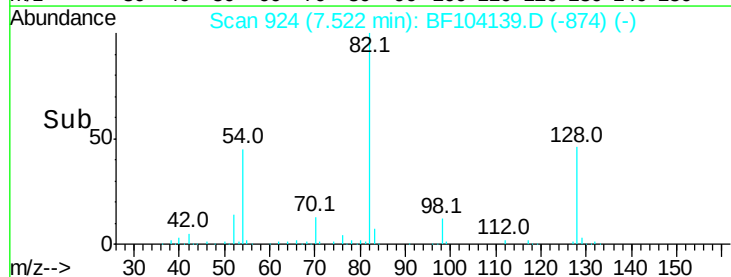
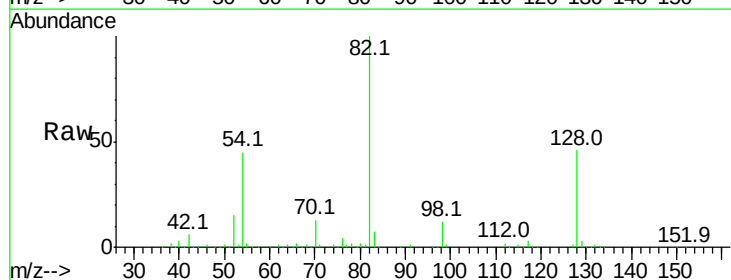
Instrument :
BNA_F
ClientSampled :

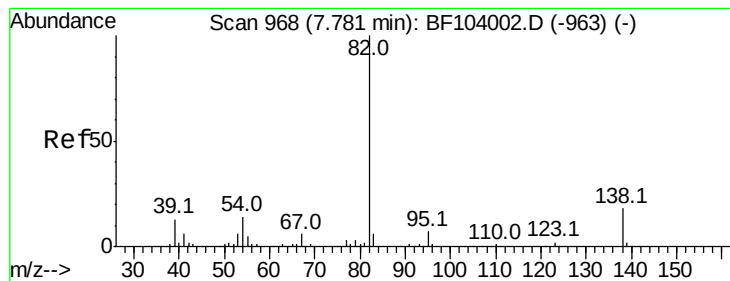
Tot Ion:	136	Resp:	406533
Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.9	13.3
54	6.3	6.6	9.8#
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 82.986 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Tgt Ion:	82	Resp:	551654
Ion	Ratio	Lower	Upper
82	100		
128	45.7	36.1	54.1
54	45.1	41.4	62.2





#25

Isophorone

Concen: 45.030 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.25 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

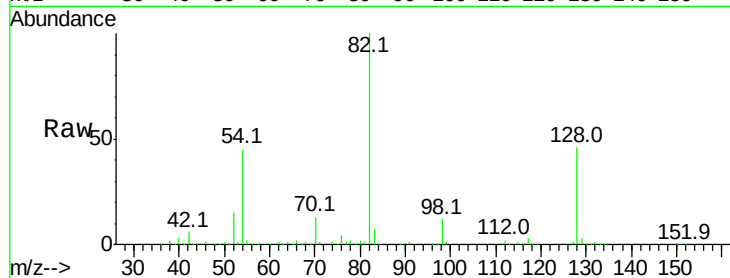
Tot Ion: 82 Resp: 551654

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

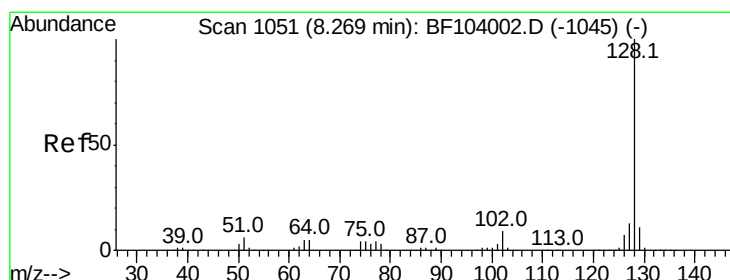
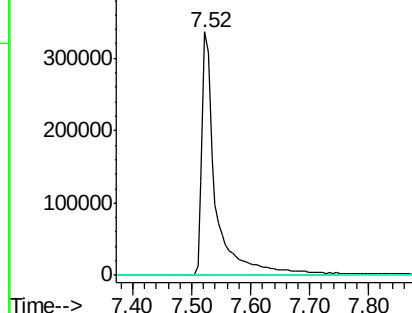
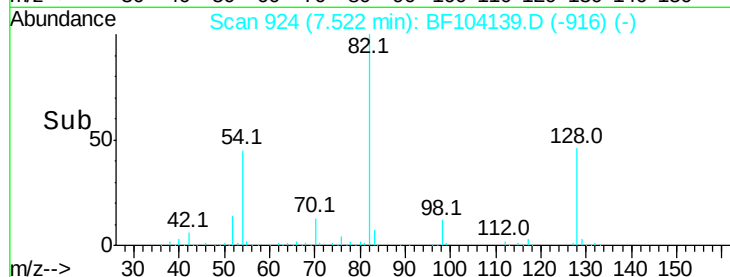
138 0.0 14.9 22.3#



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: 141.115 ng

RT: 8.27 min Scan# 1051

Delta R.T. 0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

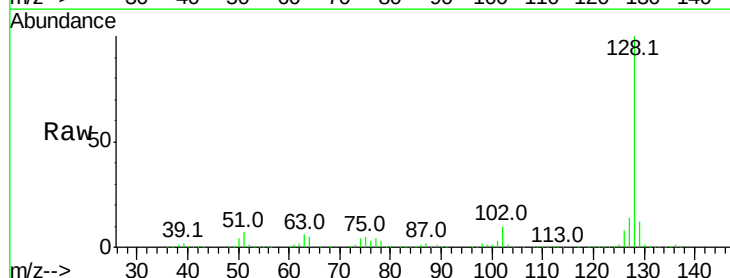
Tgt Ion:128 Resp: 2802615

Ion Ratio Lower Upper

128 100

129 11.8 8.8 13.2

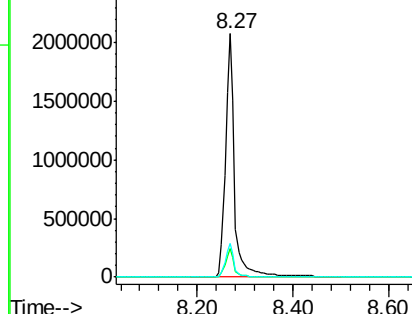
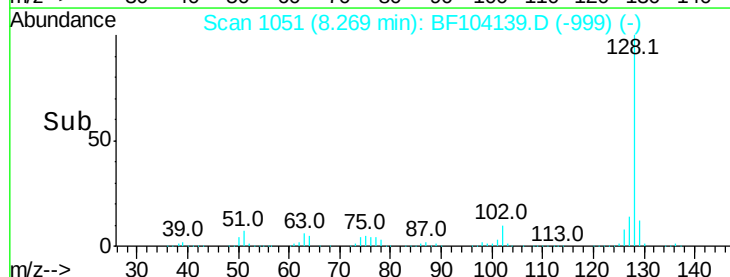
127 13.9 10.9 16.3

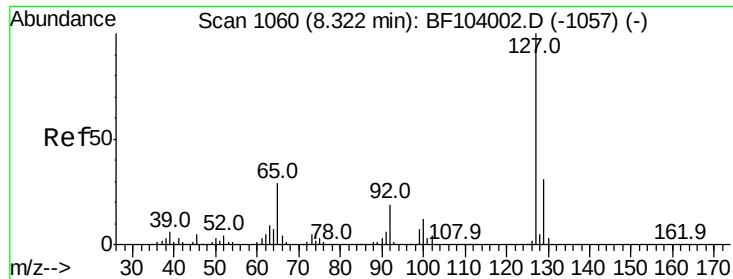


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

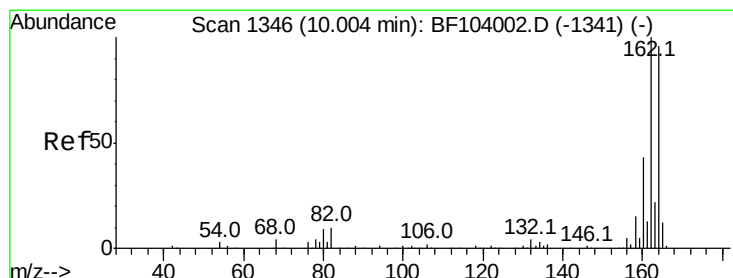
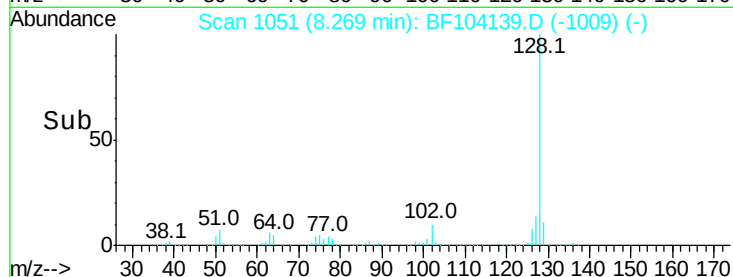
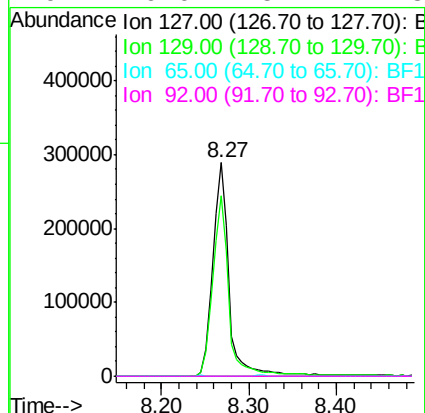
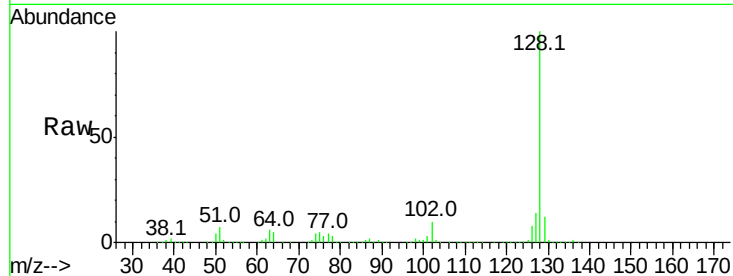




#33
 4-Chloroaniline
 Concen: 44.905 ng
 RT: 8.27 min Scan# 1051
 Delta R.T. -0.05 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

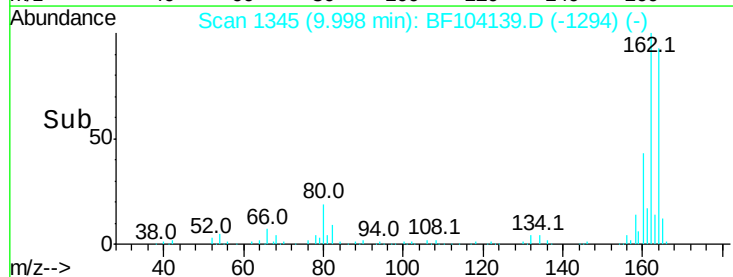
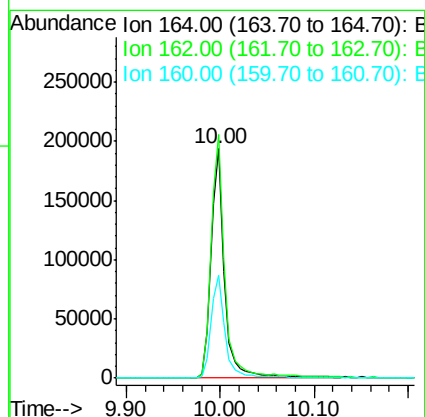
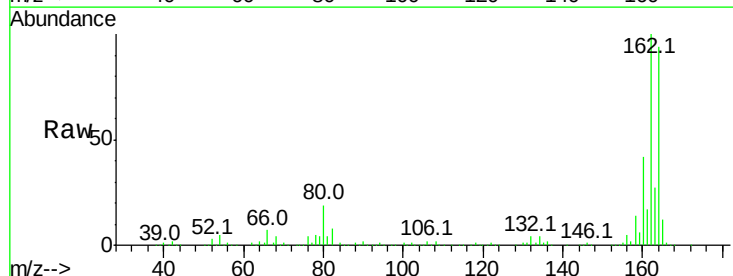
Instrument :
 BNA_F
 ClientSampleId :

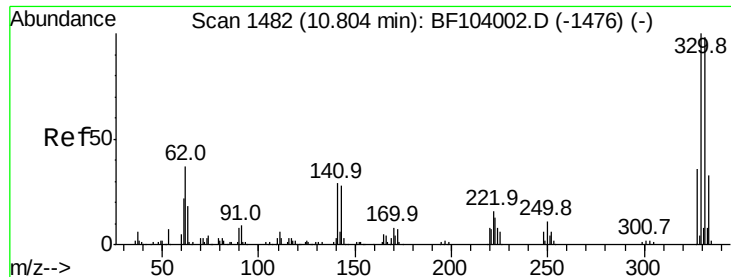
Tot Ion:	127	Resp:	375989
Ion	Ratio	Lower	Upper
127	100		
129	84.5	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1345
 Delta R.T. -0.00 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:	164	Resp:	198096
Ion	Ratio	Lower	Upper
164	100		
162	106.1	86.1	129.1
160	45.1	38.3	57.5

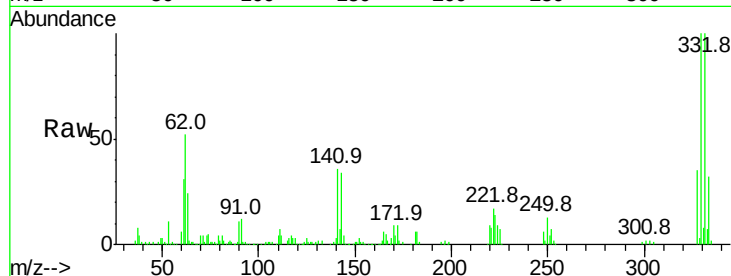




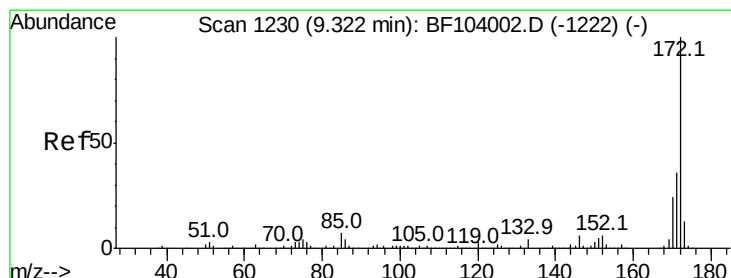
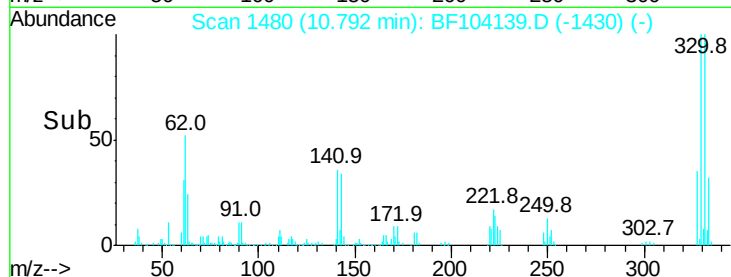
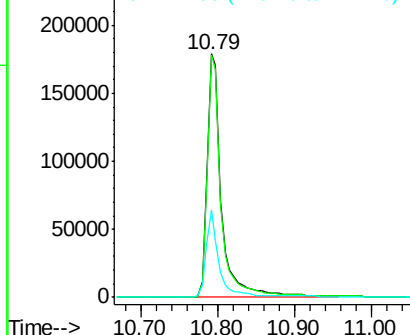
#41
 2,4,6-Tribromophenol
 Concen: 104.804 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 231176
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 32.0 29.9 44.9

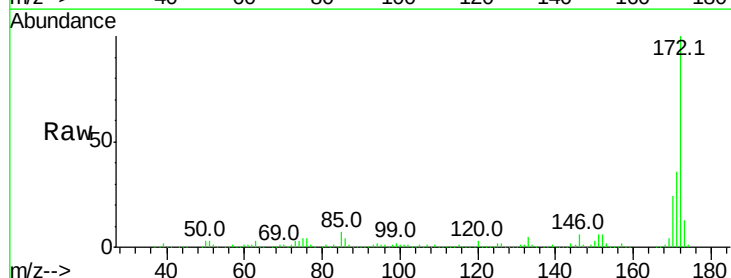


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

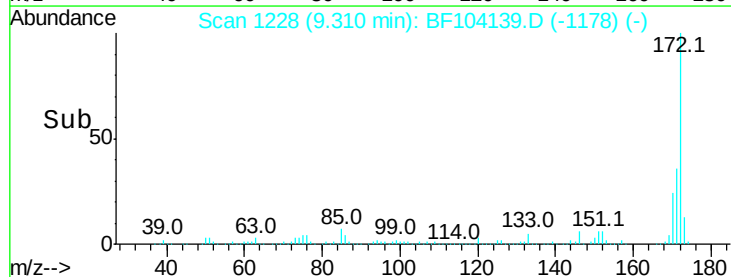
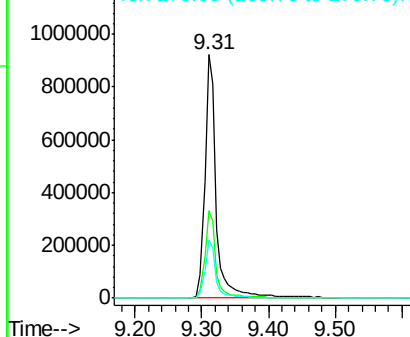


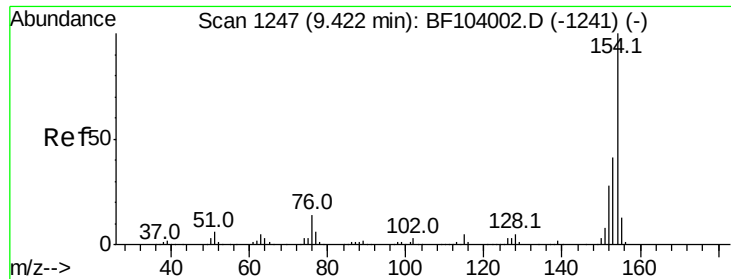
#44
 2-Fluorobiphenyl
 Concen: 86.274 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:172 Resp: 1083798
 Ion Ratio Lower Upper
 172 100
 171 36.0 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

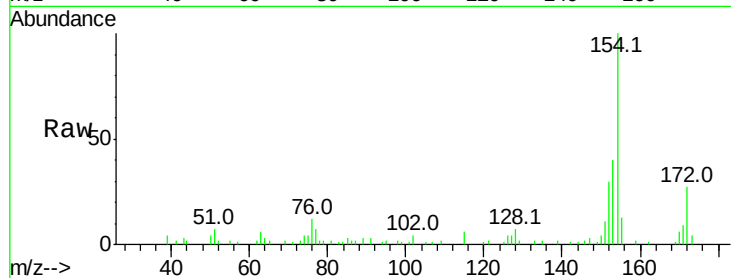




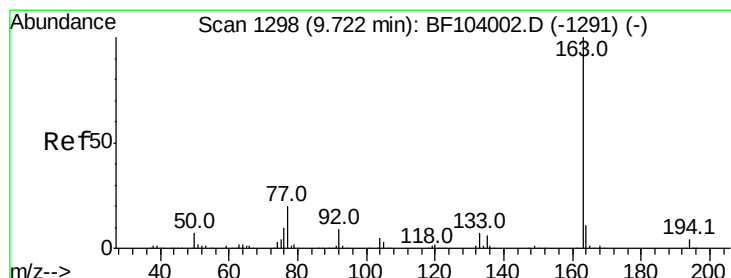
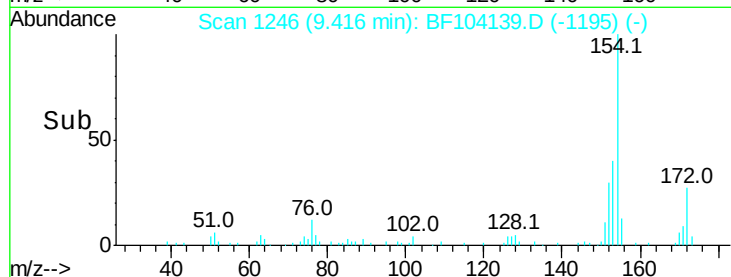
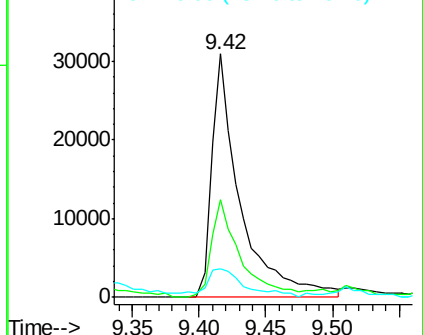
#45
 1,1'-Biphenyl
 Concen: 2.722 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.00 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:154 Resp: 46284
 Ion Ratio Lower Upper
 154 100
 153 40.3 21.3 61.3
 76 12.0 0.0 34.0

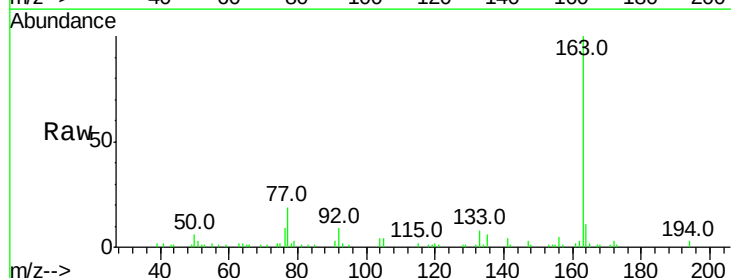


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

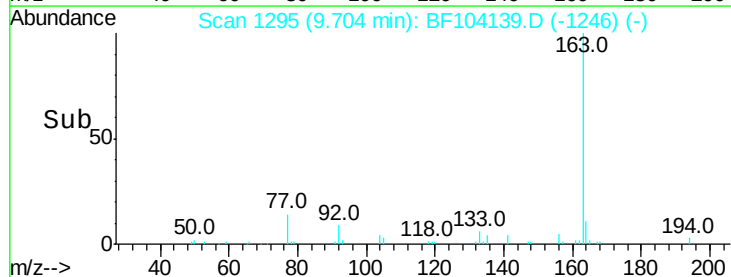
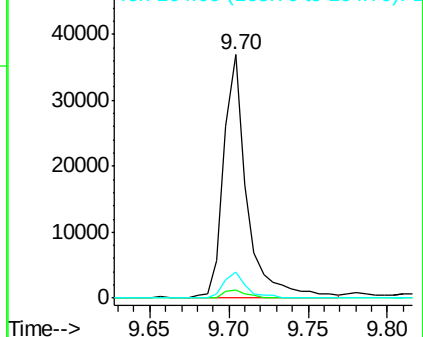


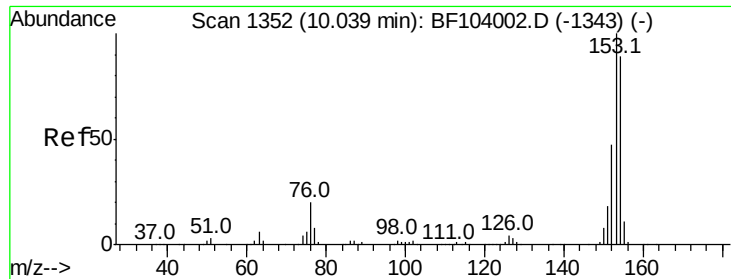
#49
 Dimethylphthalate
 Concen: 2.413 ng
 RT: 9.70 min Scan# 1295
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:163 Resp: 37745
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 10.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 12.046 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

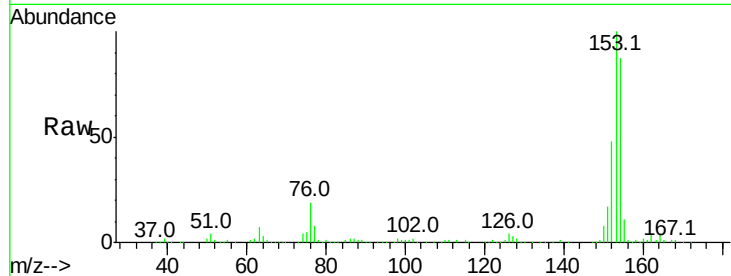
Tot Ion:154 Resp: 141580

Ion Ratio Lower Upper

154 100

153 115.5 91.2 136.8

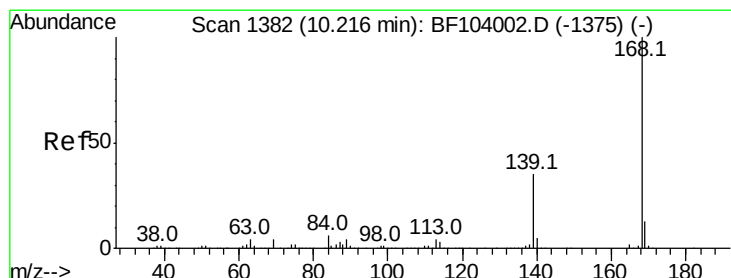
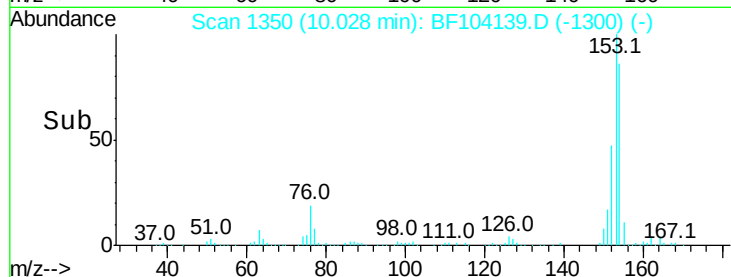
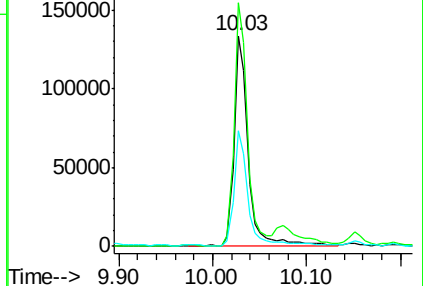
152 55.0 43.8 65.8



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: 9.556 ng

RT: 10.20 min Scan# 1380

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

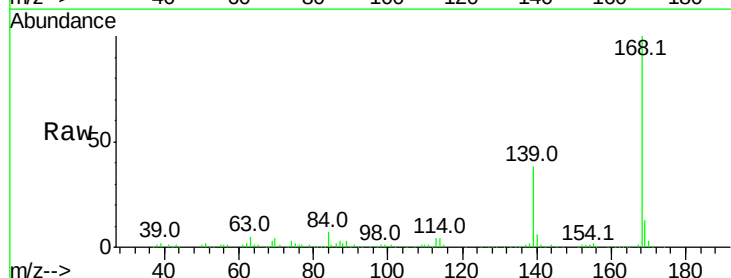
Tgt Ion:168 Resp: 164020

Ion Ratio Lower Upper

168 100

139 38.0 30.1 45.1

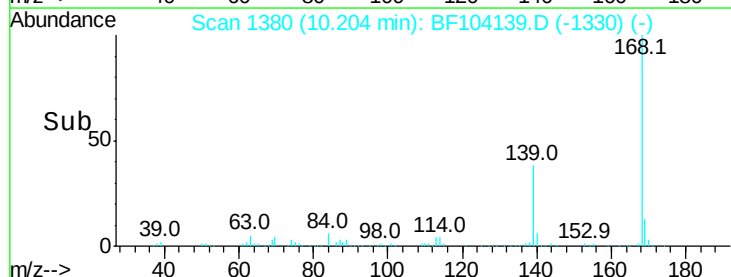
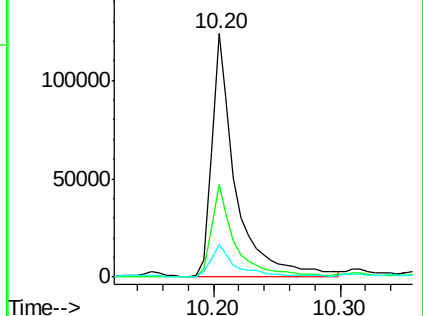
169 13.3 10.9 16.3

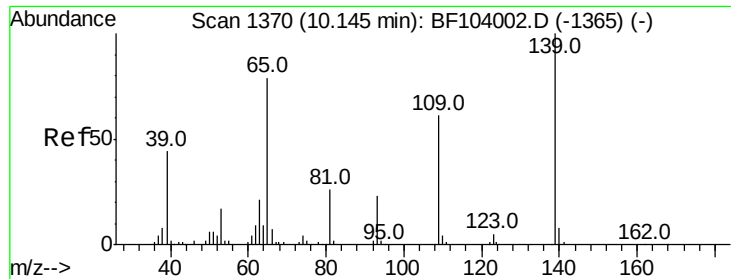


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

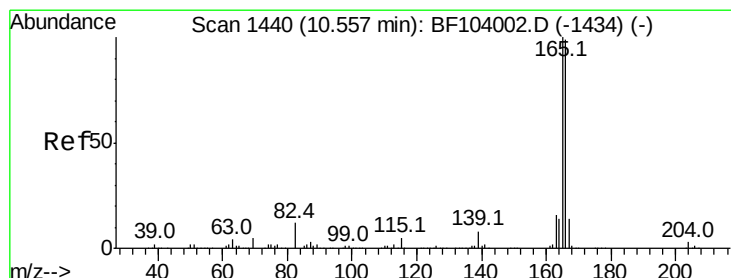
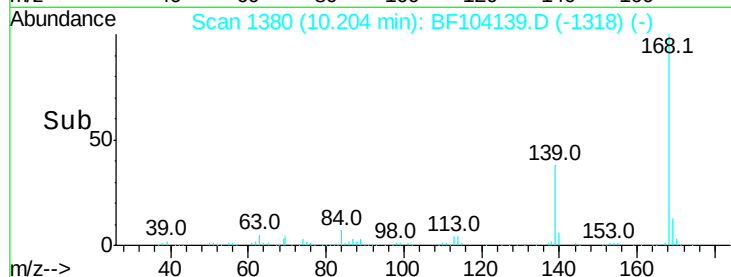
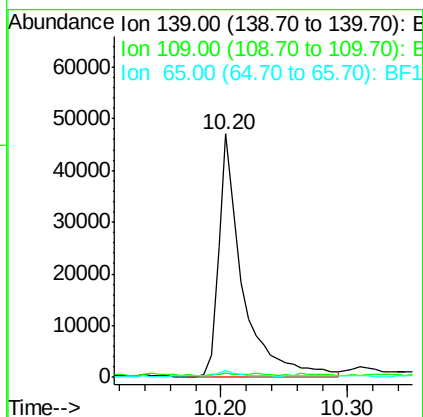
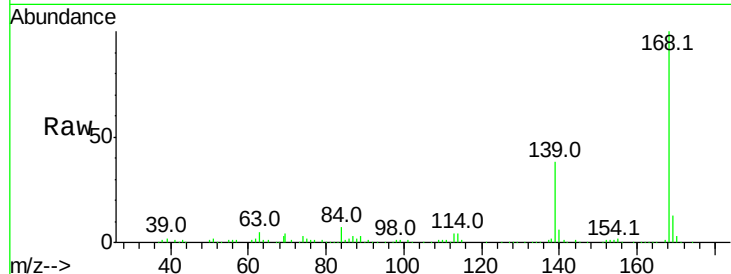




#55
4-Nitrophenol
Concen: 26.781 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.06 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

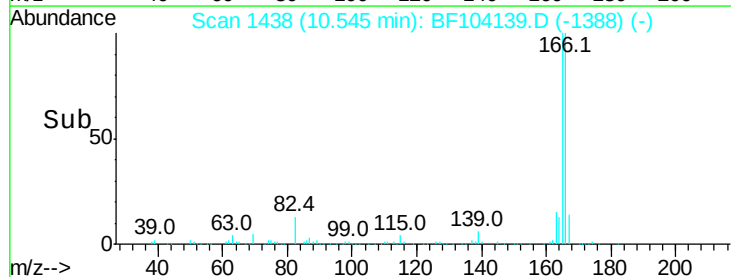
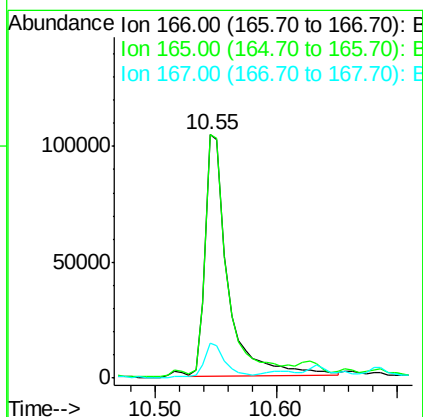
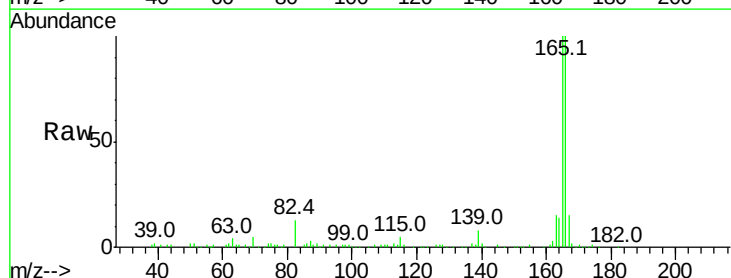
Instrument :
BNA_F
ClientSampleId :

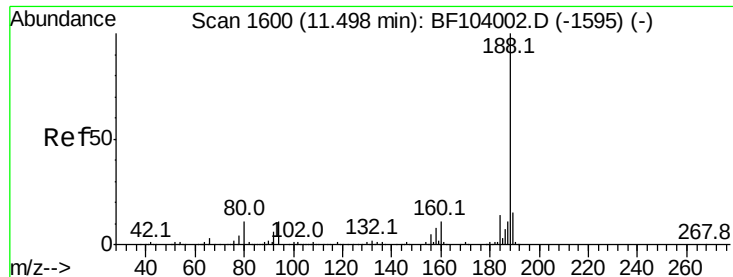
Tot Ion:139 Resp: 62112
Ion Ratio Lower Upper
139 100
109 1.8 48.4 88.4#
65 2.7 72.6 112.6#



#57
Fluorene
Concen: 9.742 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Tgt Ion:166 Resp: 137932
Ion Ratio Lower Upper
166 100
165 100.2 79.8 119.8
167 14.5 10.6 16.0

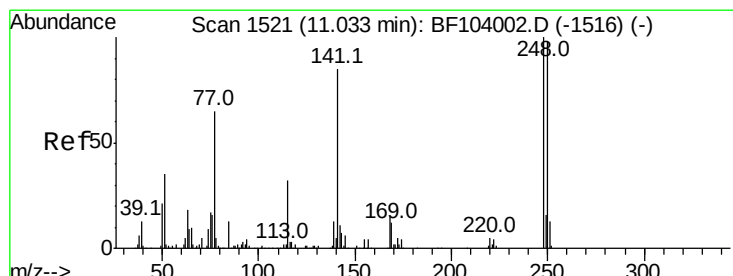
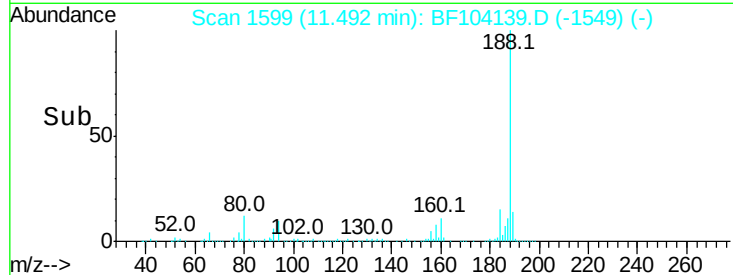
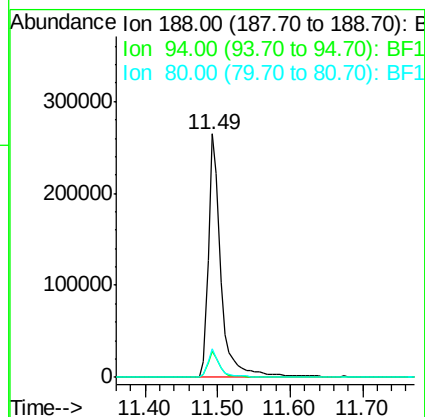
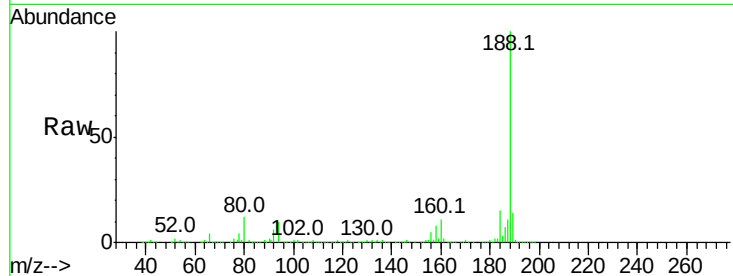




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

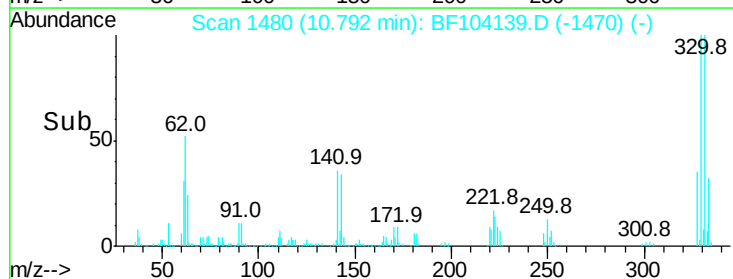
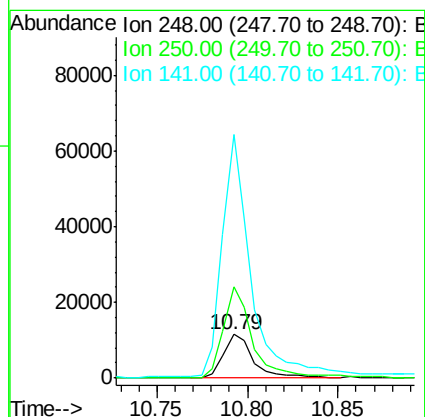
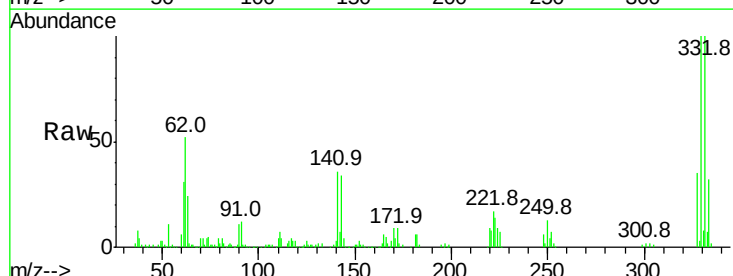
Instrument :
 BNA_F
 ClientSampleId :

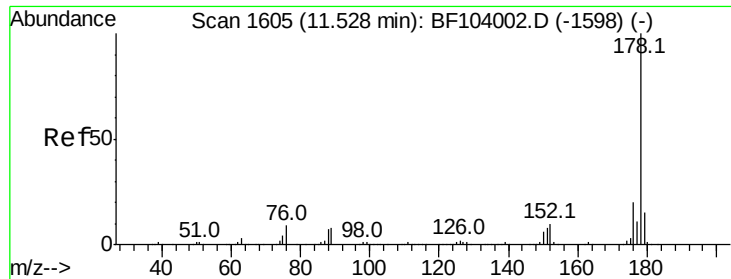
Tot Ion:188 Resp: 322889
 Ion Ratio Lower Upper
 188 100
 94 10.5 8.5 12.7
 80 11.6 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.857 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.24 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:248 Resp: 13324
 Ion Ratio Lower Upper
 248 100
 250 207.9 76.9 115.3#
 141 557.7 74.4 111.6#

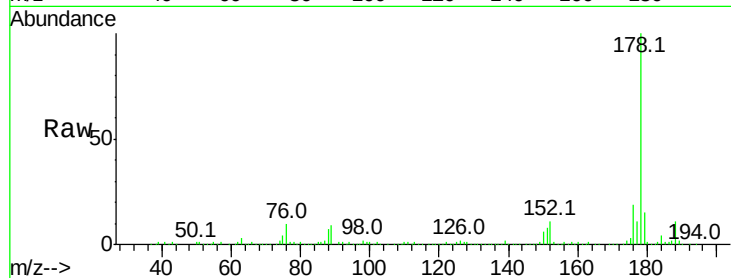




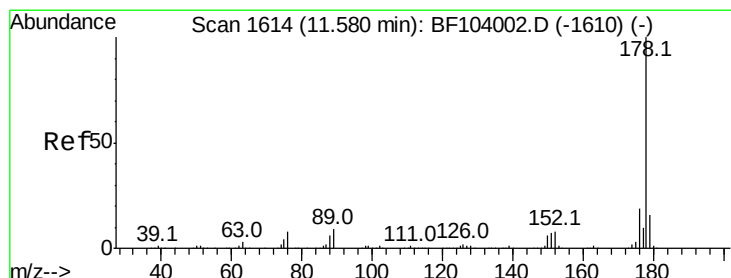
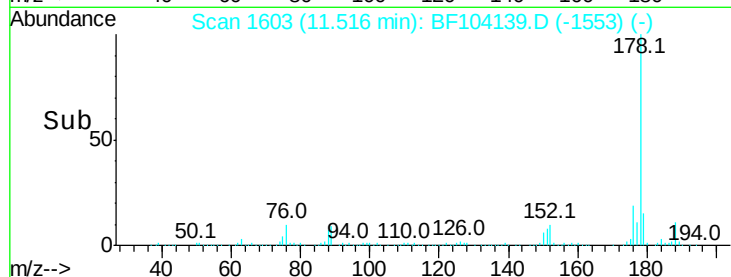
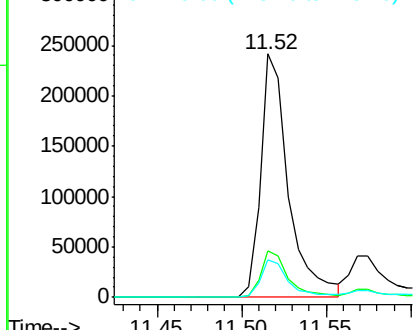
#70
Phenanthrene
Concen: 15.832 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 276771
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 15.2 13.0 19.6

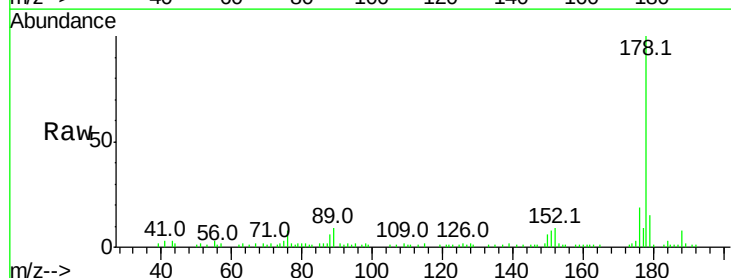


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

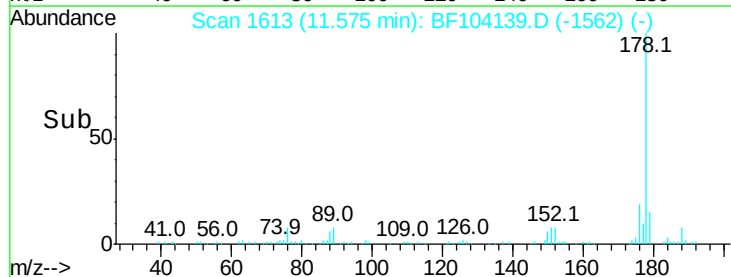
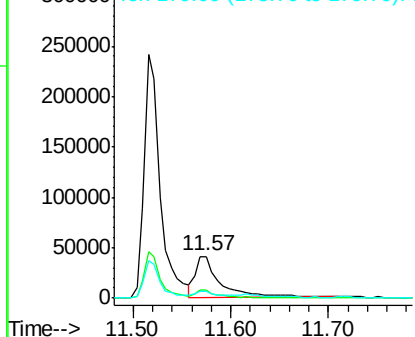


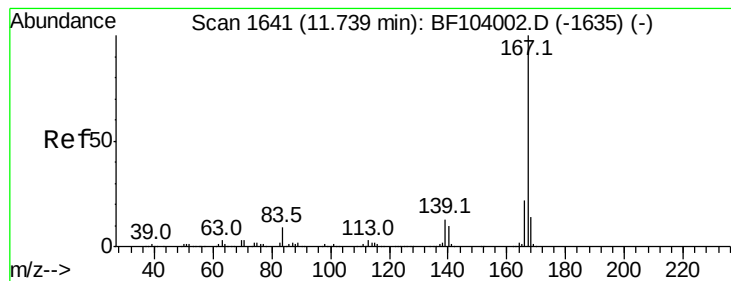
#71
Anthracene
Concen: 3.971 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF104139.D
Acq: 2 Apr 2018 17:00

Tgt Ion:178 Resp: 72506
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.2
179 15.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.148 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

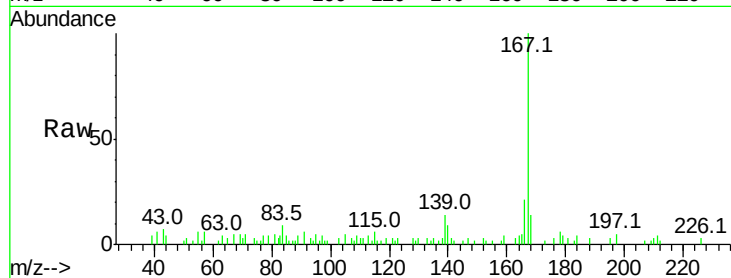
Tot Ion:167 Resp: 37438

Ion Ratio Lower Upper

167 100

166 21.1 17.6 26.4

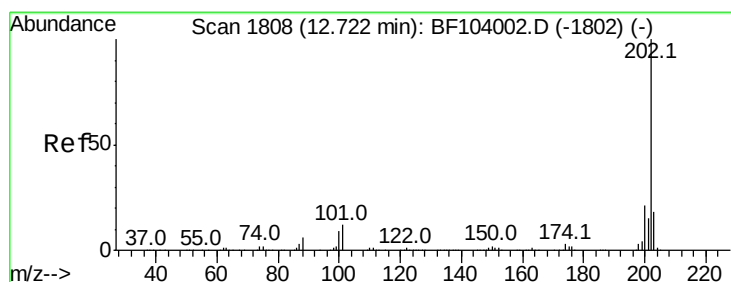
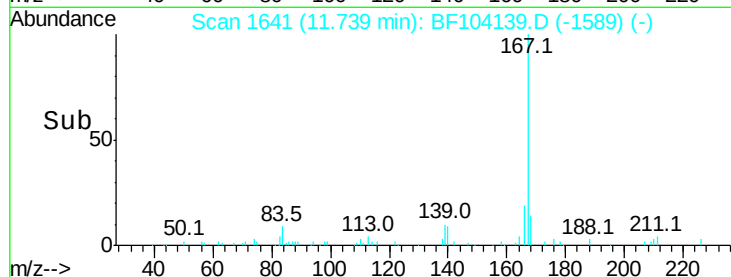
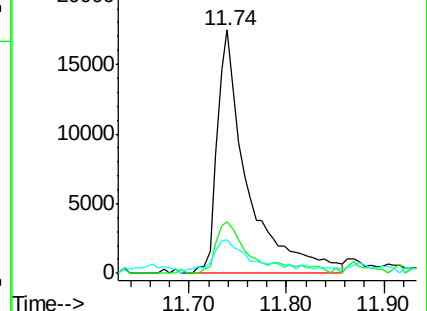
139 13.8 10.9 16.3



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 2.392 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

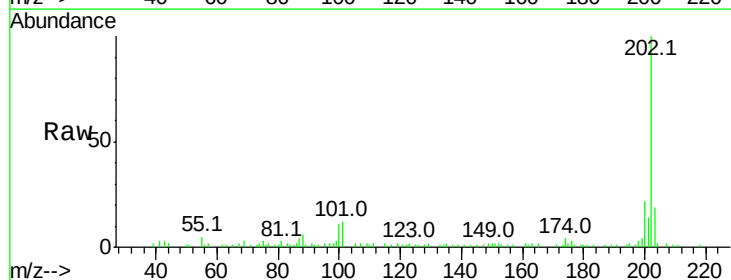
Tgt Ion:202 Resp: 44457

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

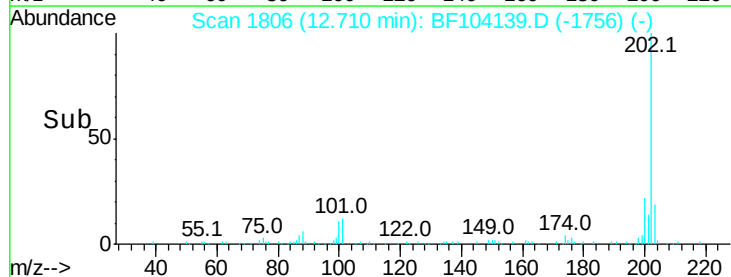
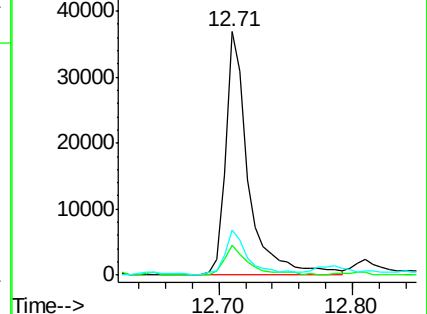
203 18.7 0.0 38.1

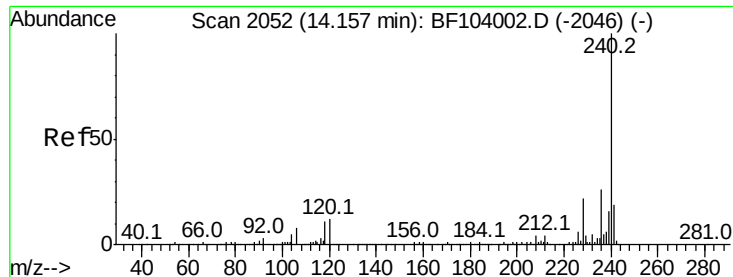


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.15 min Scan# 2051

Delta R.T. -0.00 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

Instrument :

BNA_F

ClientSampleId :

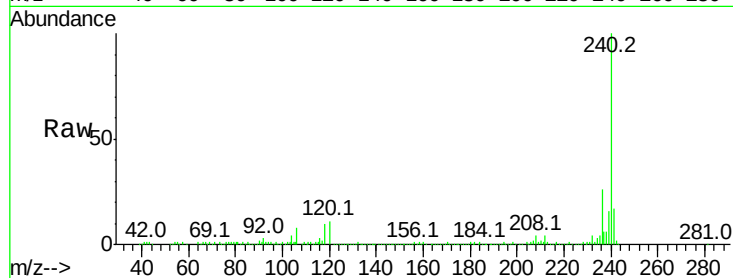
Tot Ion:240 Resp: 228547

Ion Ratio Lower Upper

240 100

120 10.8 9.5 14.3

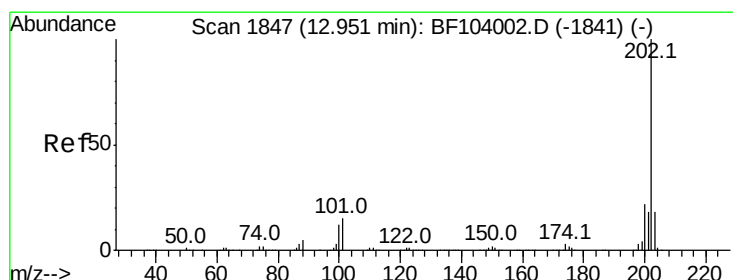
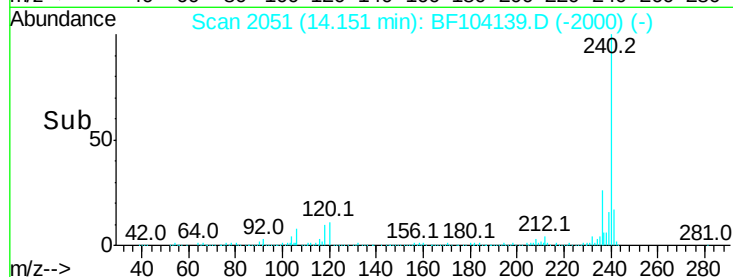
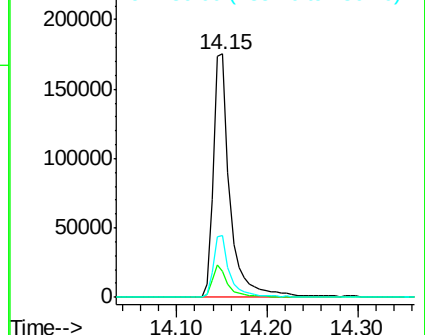
236 25.5 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.011 ng

RT: 12.95 min Scan# 1846

Delta R.T. -0.00 min

Lab File: BF104139.D

Acq: 2 Apr 2018 17:00

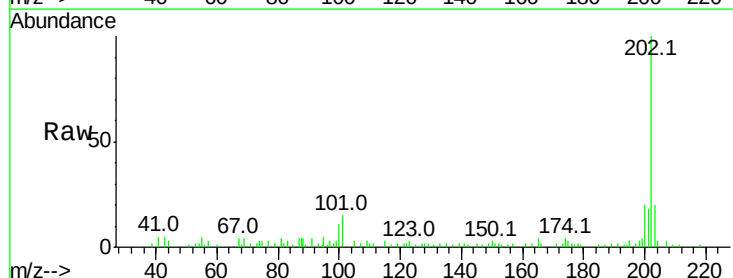
Tgt Ion:202 Resp: 33047

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

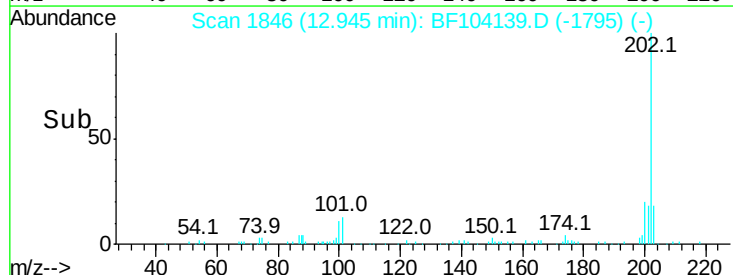
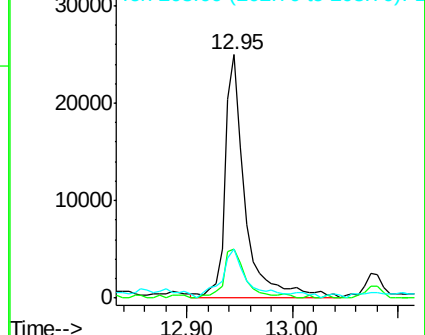
203 20.4 14.3 21.5

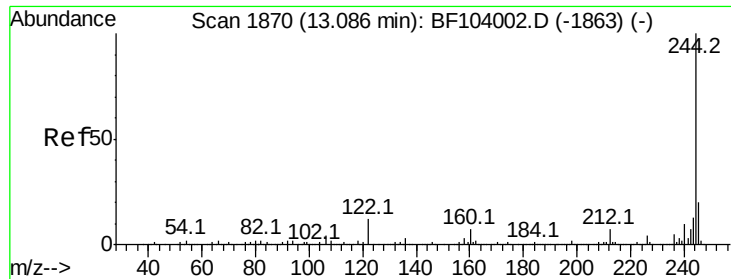


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

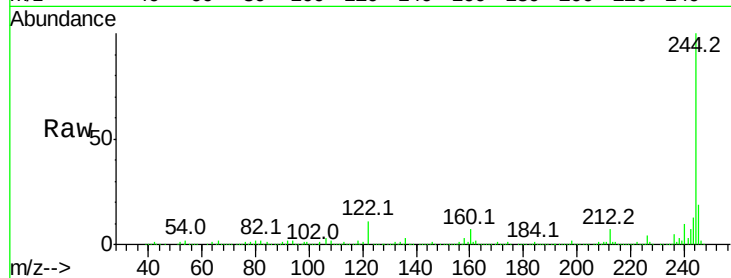




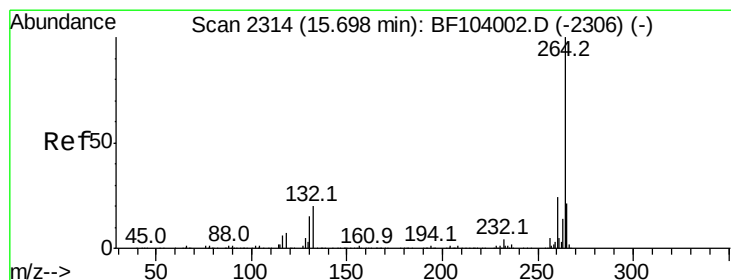
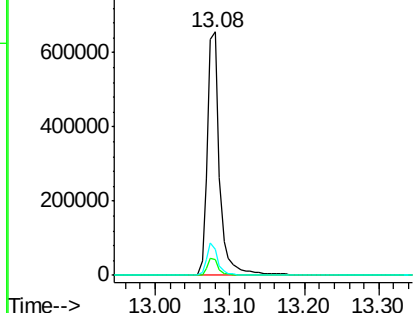
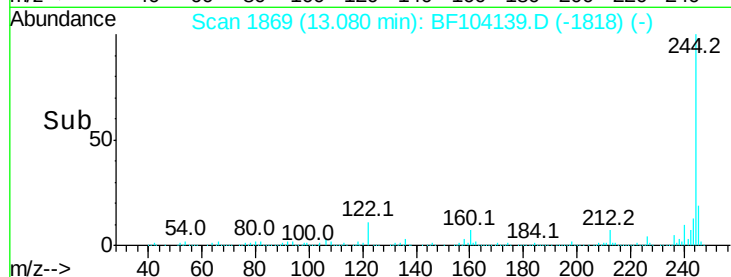
#78
 Terphenyl-d14
 Concen: 76.727 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 759469
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.7 11.0 16.4#

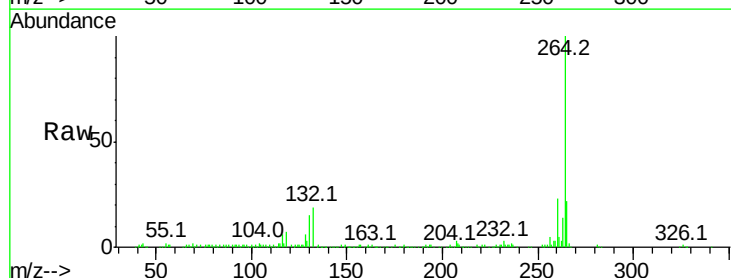


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: BF104139.D
 Acq: 2 Apr 2018 17:00

Tgt Ion:264 Resp: 236204
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 21.5 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

