

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070518\
 Data File : BF107125.D
 Acq On : 5 Jul 2018 14:29
 Operator : JU/SJ
 Sample : J3853-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1-A

Quant Time: Jul 05 15:04:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	57174	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	223913	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	110074	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	182811	20.00	ng	0.00
75) Chrysene-d12	14.15	240	118091	20.00	ng	-0.01
86) Perylene-d12	15.69	264	108913	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	289213	85.66	ng	0.00
7) Phenol-d6	6.60	99	363538	86.22	ng	-0.01
23) Nitrobenzene-d5	7.52	82	226948	56.33	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	108403	84.97	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	446616	65.25	ng	-0.01
78) Terphenyl-d14	13.08	244	379459	77.84	ng	0.00

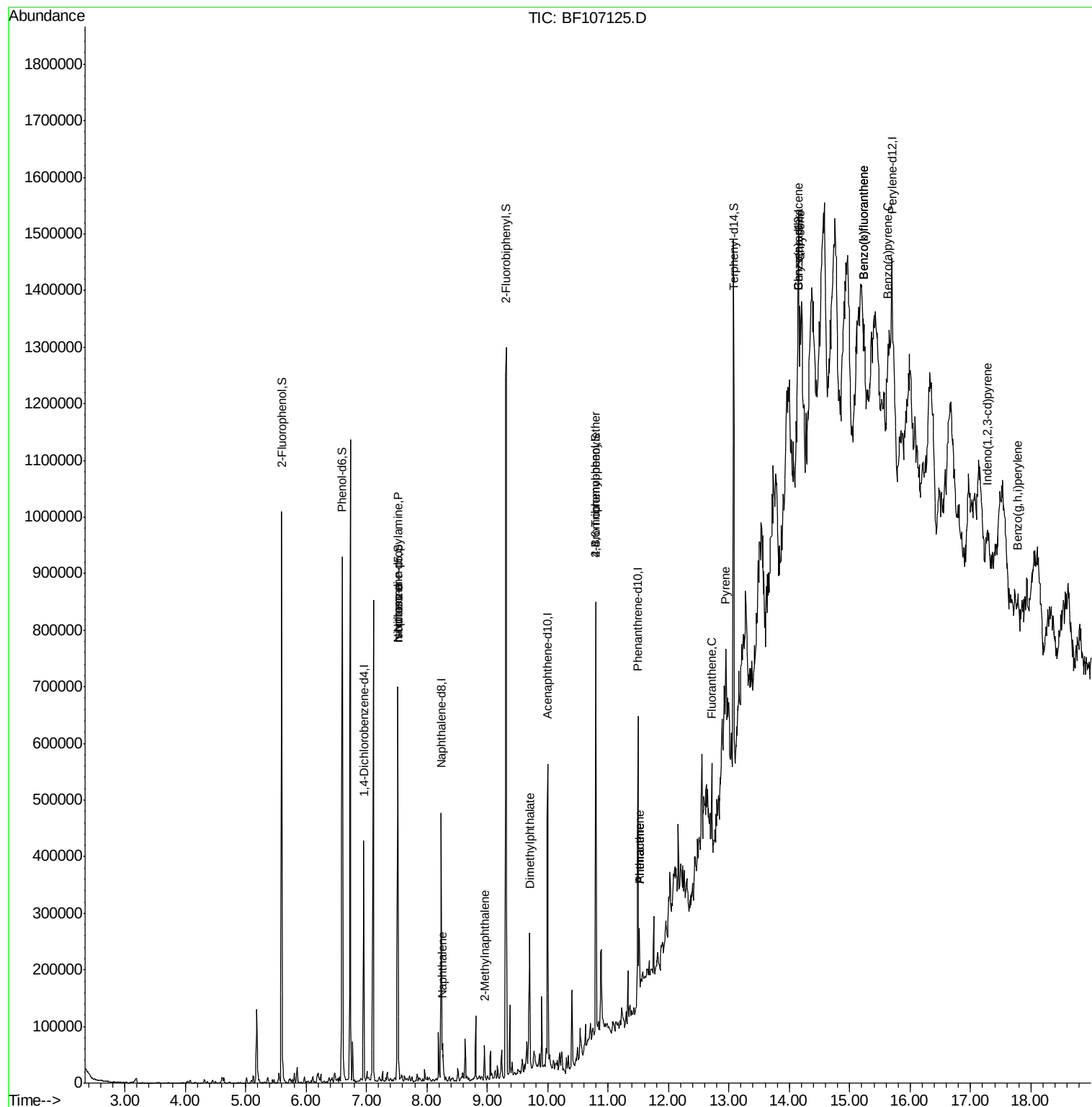
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.52	70	31470	11.323	ng	# 75
25) Isophorone	7.52	82	224885	31.674	ng	# 64
31) Naphthalene	8.26	128	22196	2.120	ng	99
37) 2-Methylnaphthalene	8.95	142	17450	2.515	ng	95
49) Dimethylphthalate	9.70	163	78939	9.562	ng	99
66) 4-Bromophenyl-phenylether	10.80	248	6506	2.982	ng	# 1
70) Phenanthrene	11.52	178	42013	4.765	ng	99
71) Anthracene	11.52	178	42013	4.668	ng	99
74) Fluoranthene	12.72	202	66172	6.809	ng	93
77) Pyrene	12.95	202	54518	7.001	ng	97
80) Benzo(a)anthracene	14.14	228	31583	4.388	ng	# 92
82) Chrysene	14.18	228	39841	6.017	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.29	276	16472	2.931	ng	# 90
87) Benzo(b)fluoranthene	15.24	252	62870	9.293	ng	# 52
88) Benzo(k)fluoranthene	15.24	252	62870	9.758	ng	# 55
89) Benzo(a)pyrene	15.63	252	26008	4.324	ng	# 23
91) Benzo(g,h,i)perylene	17.78	276	14836	2.978	ng	# 67

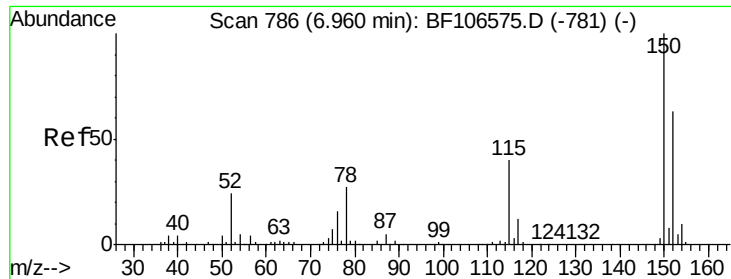
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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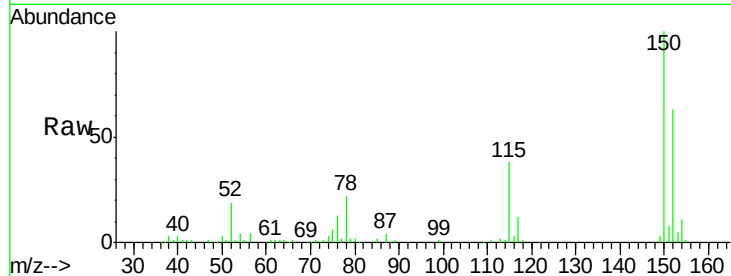




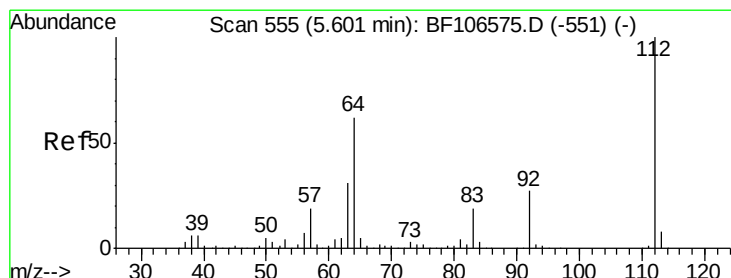
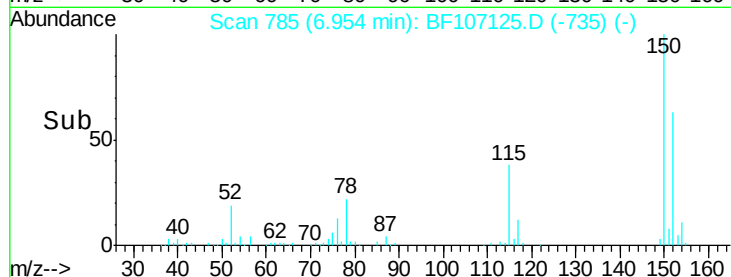
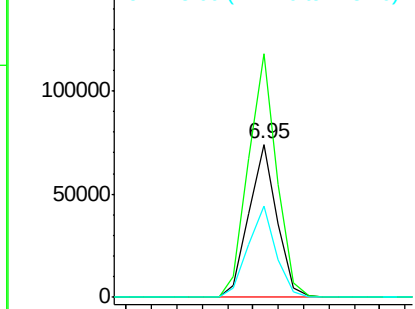
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Instrument :
 BNA_F
 ClientSampleId :
 B1-A

Tgt Ion:152 Resp: 57174
 Ion Ratio Lower Upper
 152 100
 150 158.9 124.6 186.8
 115 59.6 50.1 75.1

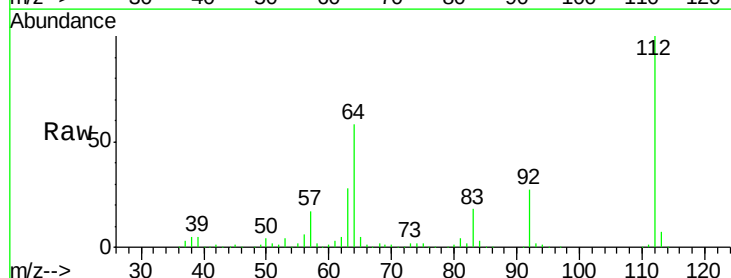


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

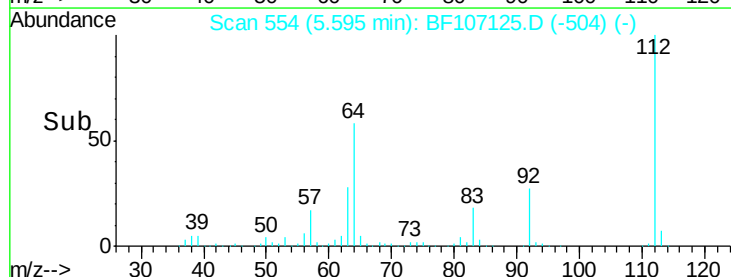
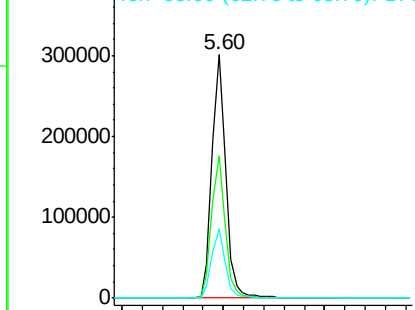


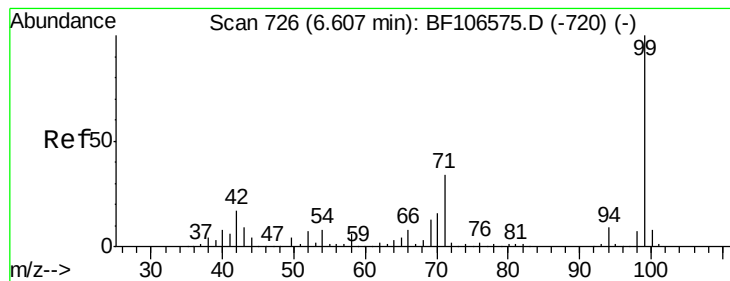
#5
 2-Fluorophenol
 Concen: 85.656 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Tgt Ion:112 Resp: 289213
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.9 71.9
 63 28.5 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: 86.217 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampleId :

B1-A

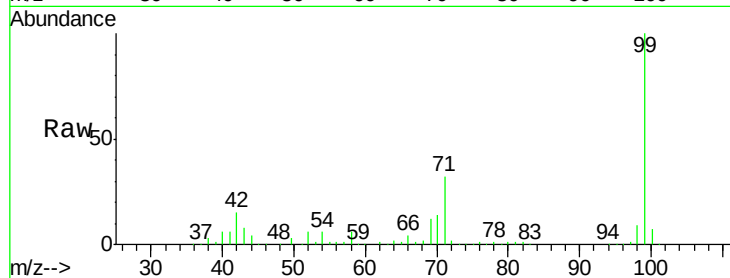
Tgt Ion: 99 Resp: 363538

Ion Ratio Lower Upper

99 100

42 15.0 14.5 21.7

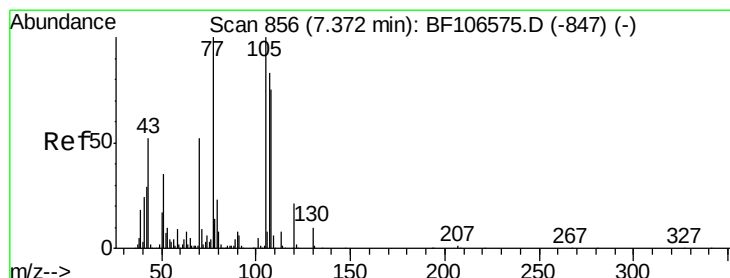
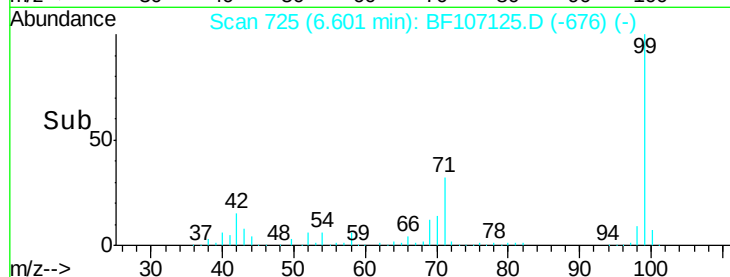
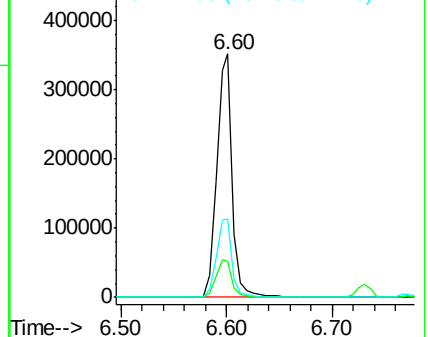
71 32.0 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.323 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Tgt Ion: 70 Resp: 31470

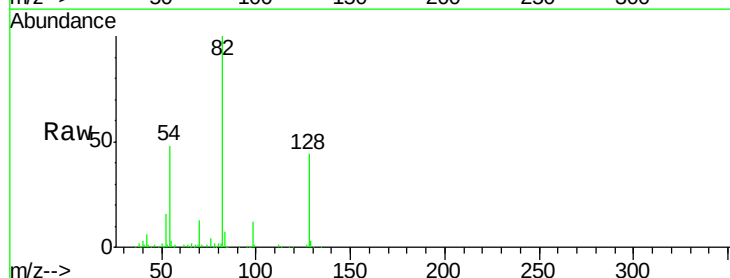
Ion Ratio Lower Upper

70 100

42 45.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

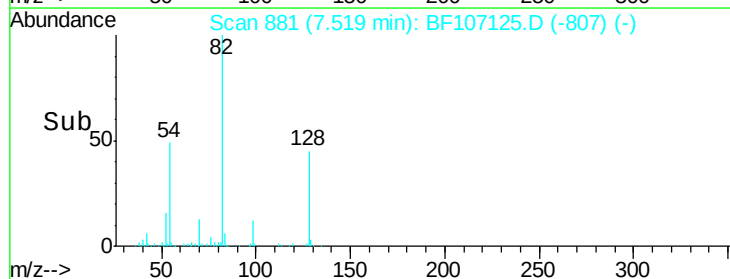
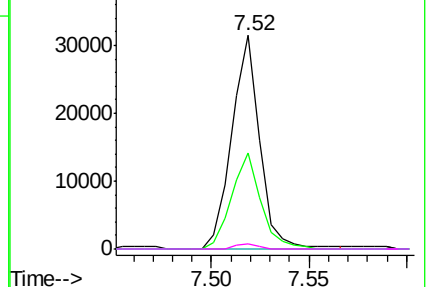


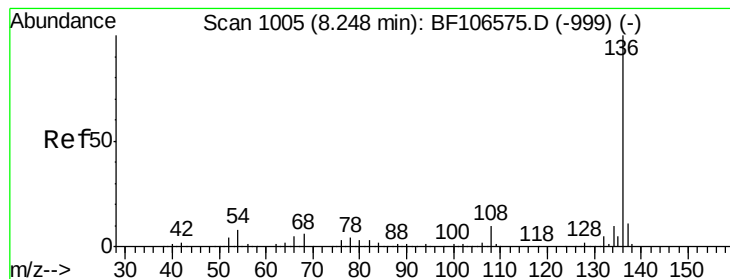
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.24 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampleId :

B1-A

Tgt Ion: 136 Resp: 223913

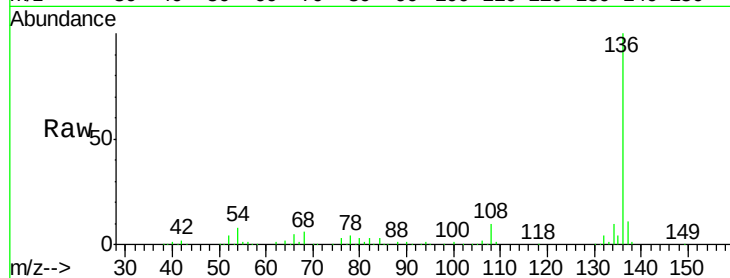
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.0 6.6 9.8

68 6.4 5.0 7.4

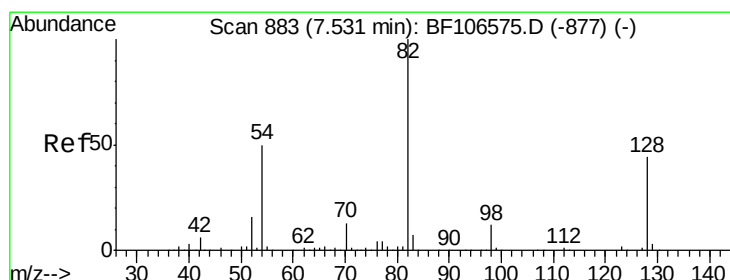
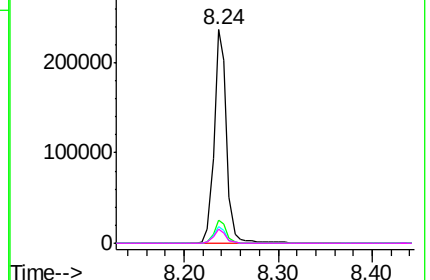
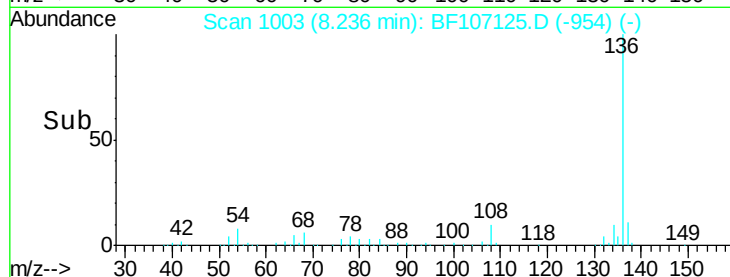


Abundance Ion 136.00 (135.70 to 136.70): E

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: 56.327 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.02 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

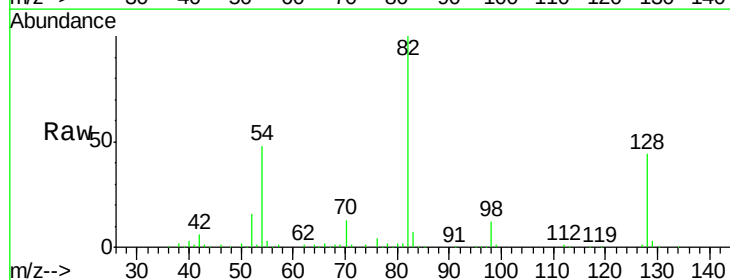
Tgt Ion: 82 Resp: 226948

Ion Ratio Lower Upper

82 100

128 44.3 36.1 54.1

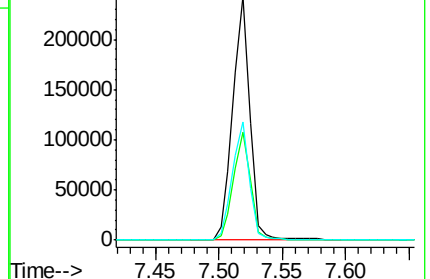
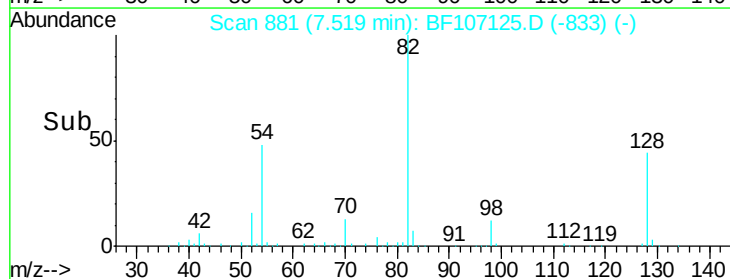
54 48.3 41.4 62.2

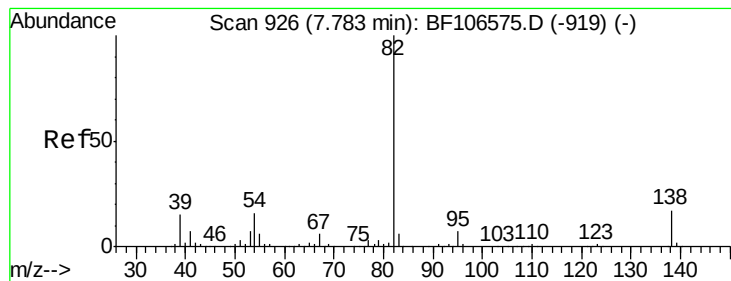


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.674 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampleId :

B1-A

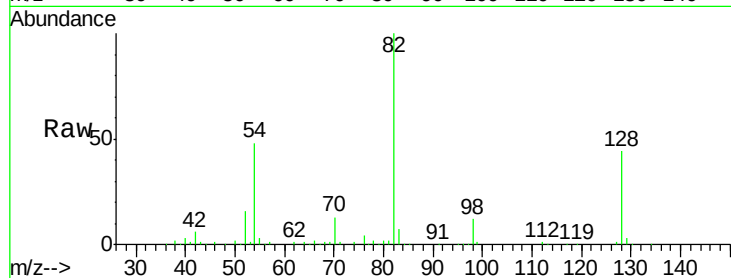
Tgt Ion: 82 Resp: 224885

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

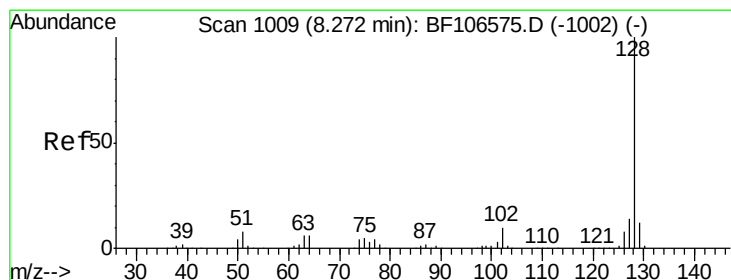
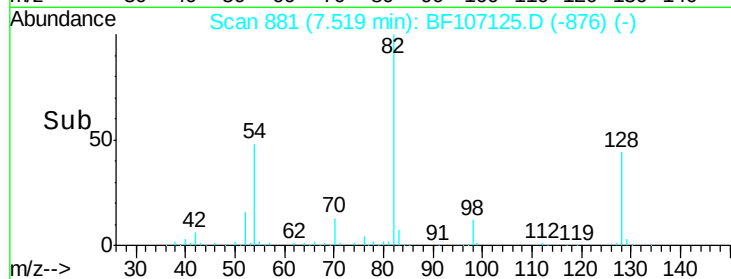
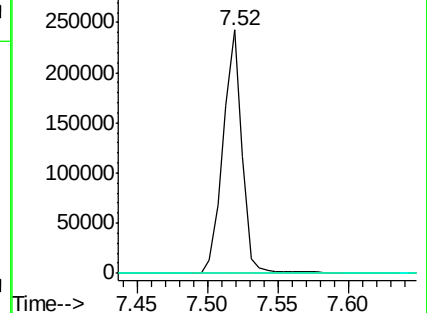
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#31

Naphthalene

Concen: 2.120 ng

RT: 8.26 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

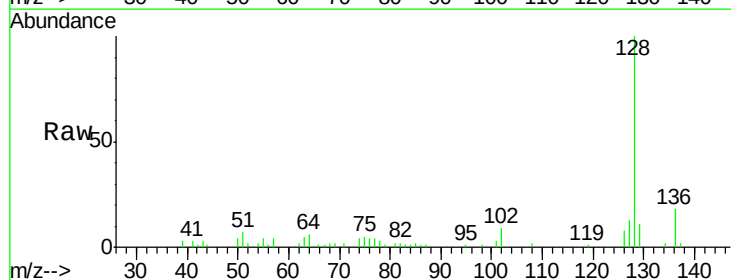
Tgt Ion: 128 Resp: 22196

Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

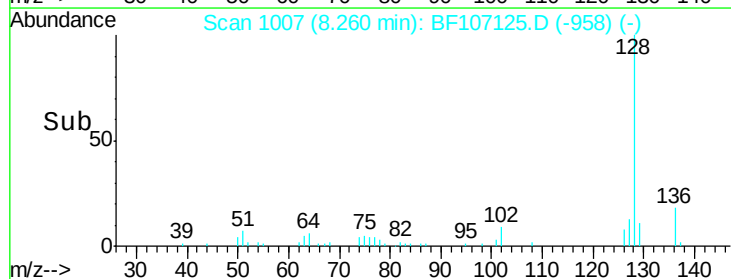
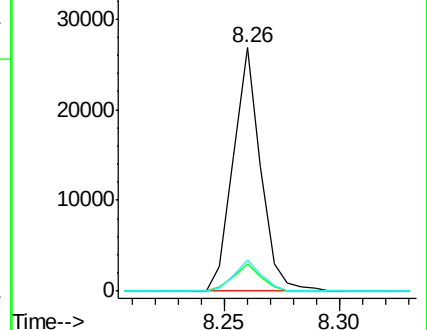
127 13.0 10.9 16.3

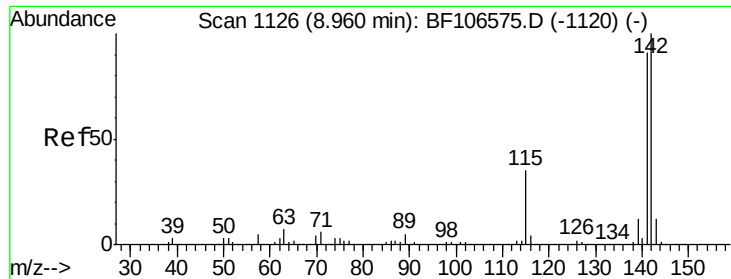


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

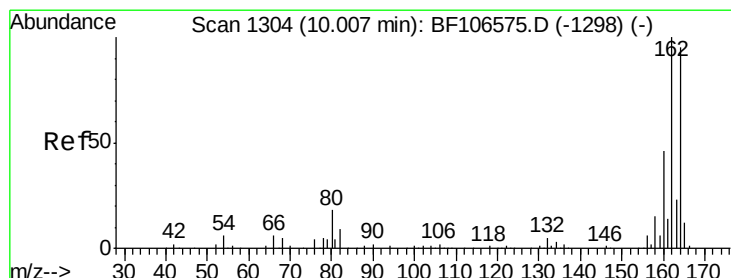
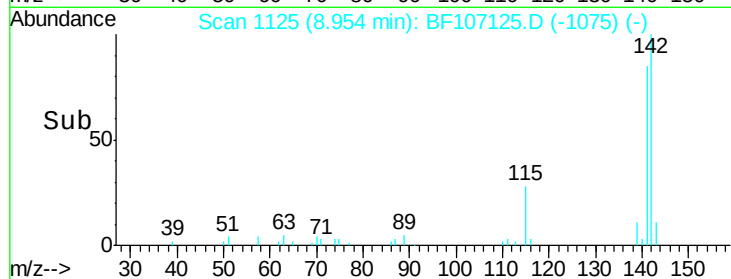
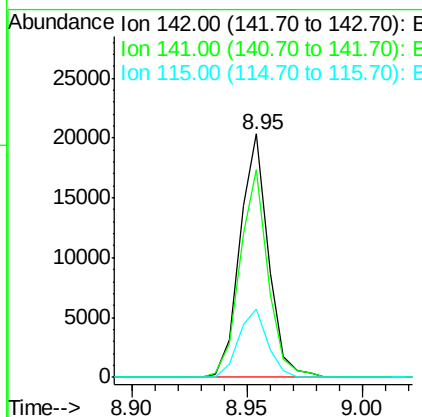
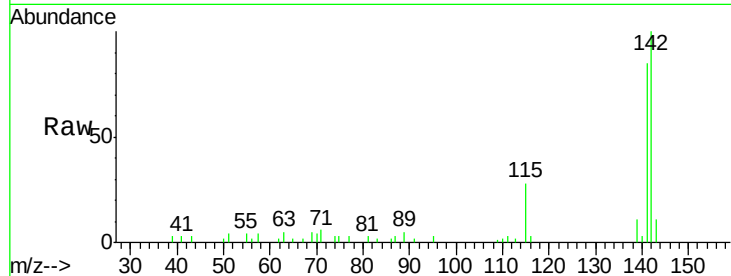




#37
 2-Methylnaphthalene
 Concen: 2.515 ng
 RT: 8.95 min Scan# 1125
 Delta R.T. -0.01 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

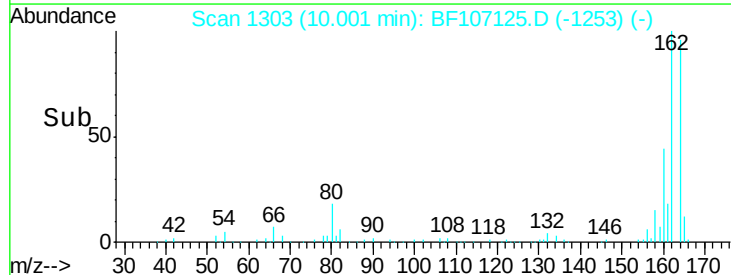
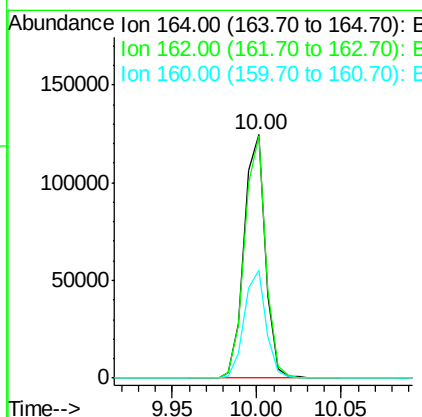
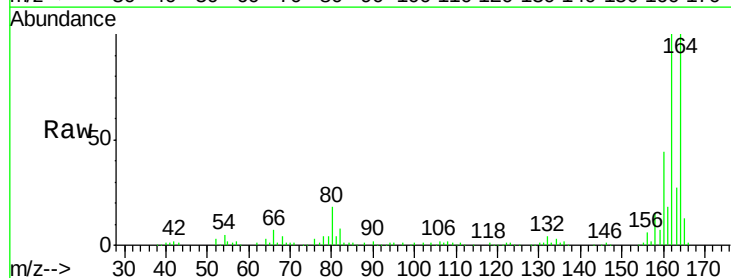
Instrument :
 BNA_F
 ClientSampleId :
 B1-A

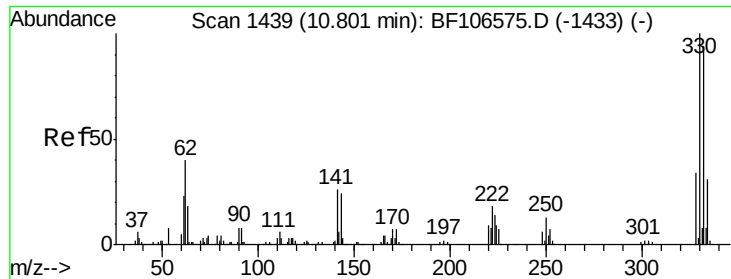
Tgt Ion:142 Resp: 17450
 Ion Ratio Lower Upper
 142 100
 141 85.3 70.8 106.2
 115 28.2 26.1 39.1



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Tgt Ion:164 Resp: 110074
 Ion Ratio Lower Upper
 164 100
 162 99.8 86.1 129.1
 160 44.2 38.3 57.5

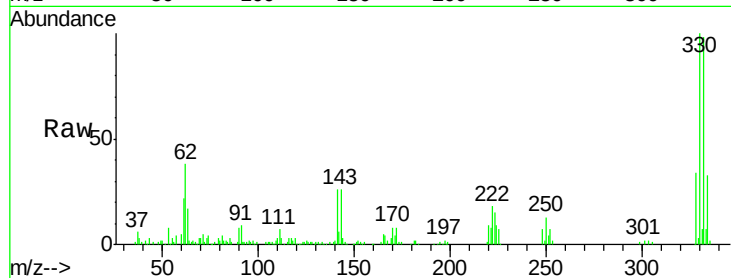




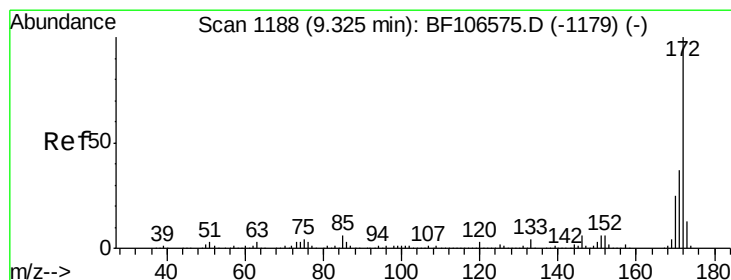
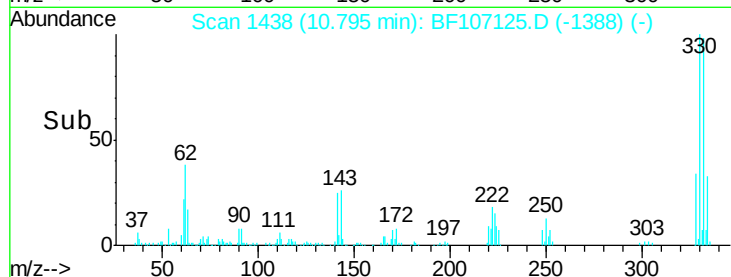
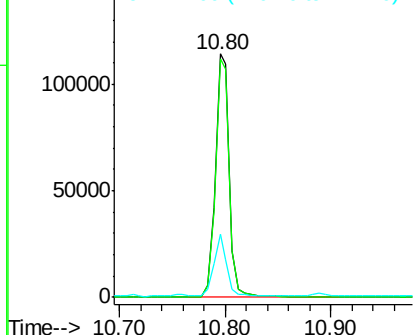
#41
 2,4,6-Tribromophenol
 Concen: 84.969 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Instrument :
 BNA_F
 ClientSampleId :
 B1-A

Tgt Ion:330 Resp: 108403
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 23.6 29.9 44.9#

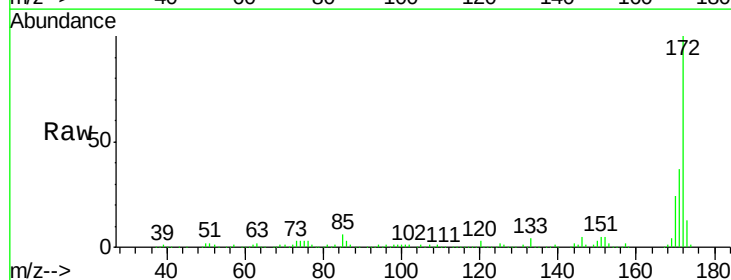


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

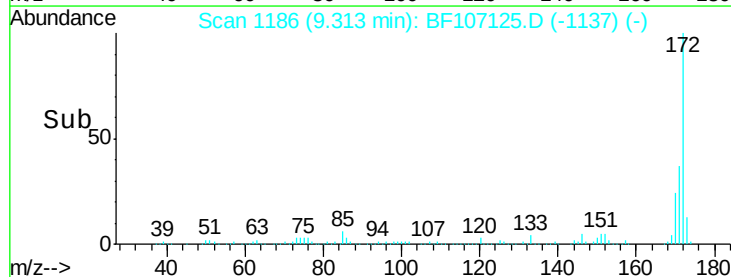
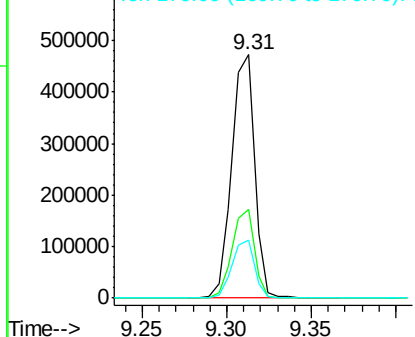


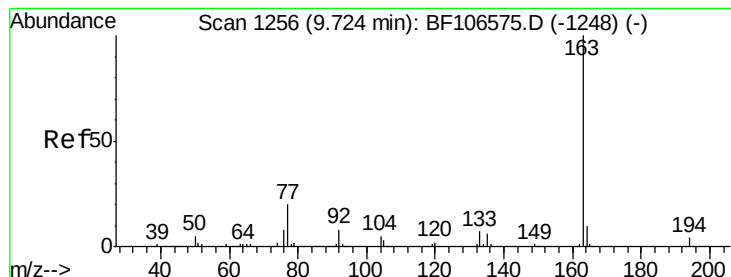
#44
 2-Fluorobiphenyl
 Concen: 65.249 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Tgt Ion:172 Resp: 446616
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.7 44.5
 170 23.7 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





#49

Dimethylphthalate

Concen: 9.562 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampleId :

B1-A

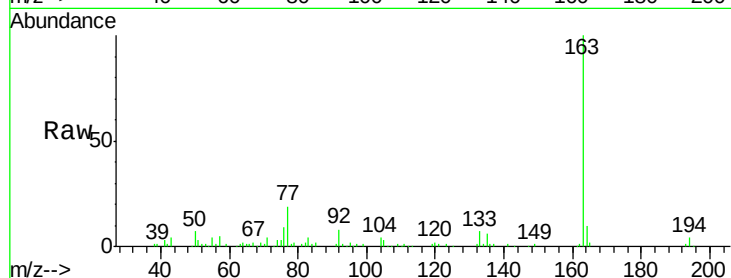
Tgt Ion:163 Resp: 78939

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

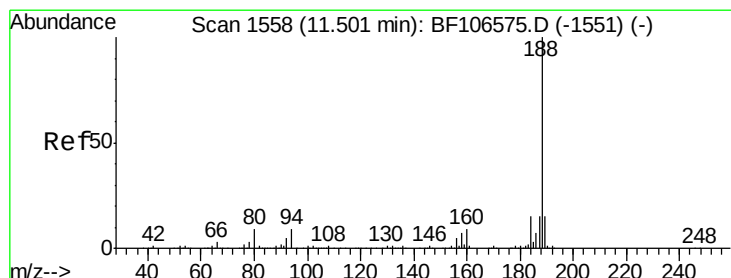
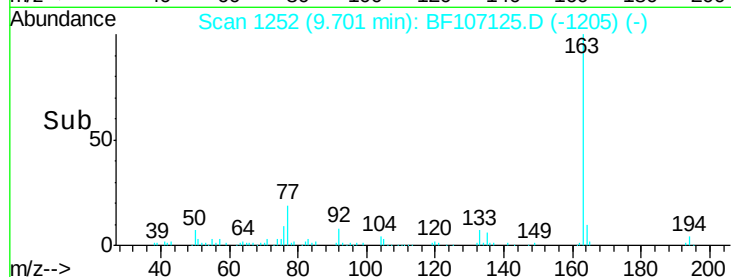
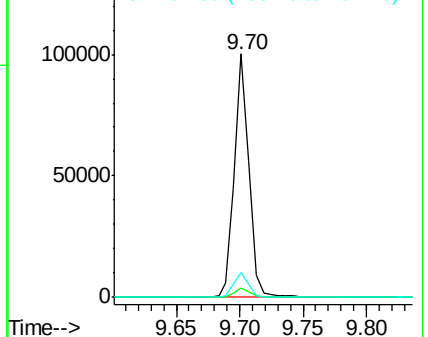
164 10.3 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

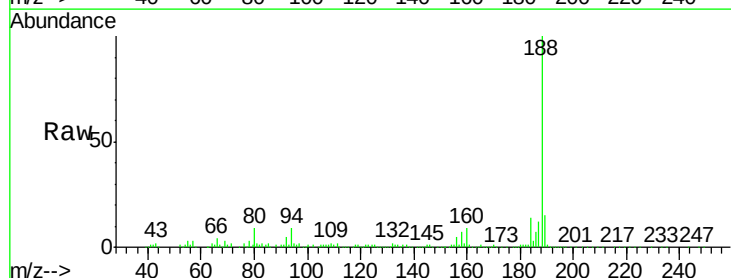
Tgt Ion:188 Resp: 182811

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

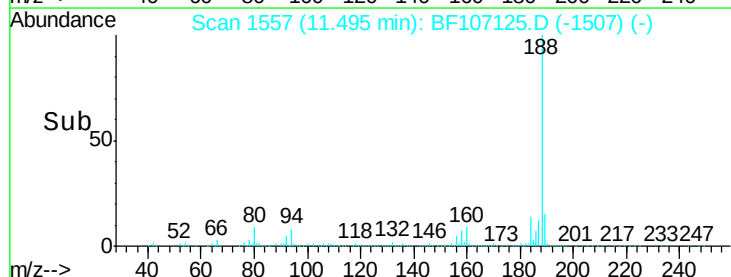
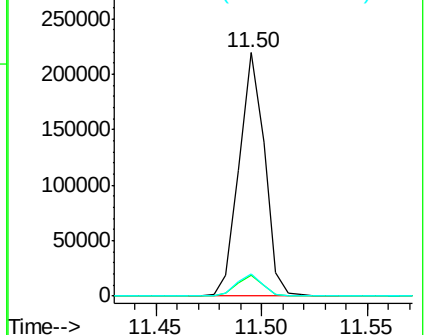
80 9.2 9.2 13.8

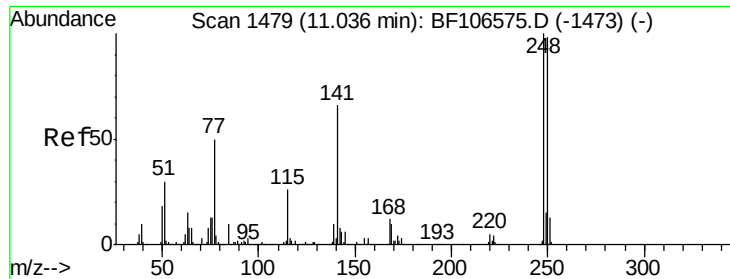


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

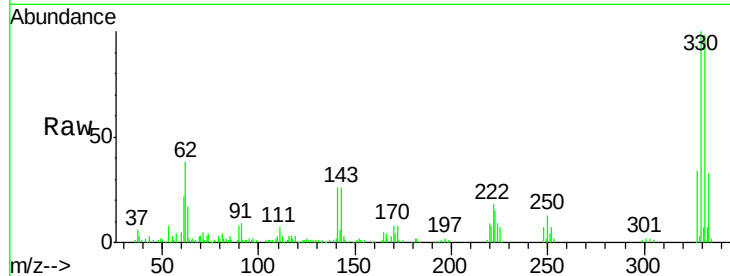




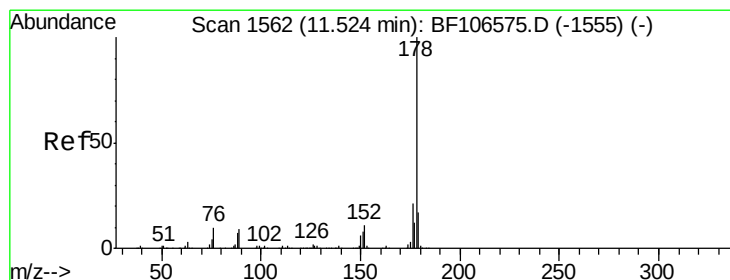
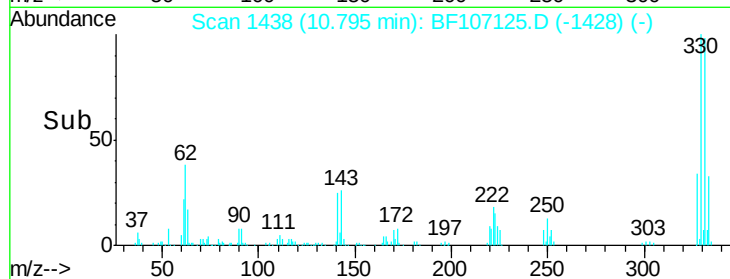
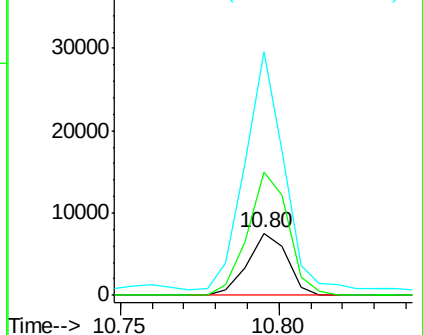
#66
 4-Bromophenyl-phenylether
 Concen: 2.982 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Instrument :
 BNA_F
 ClientSampleId :
 B1-A

Tgt Ion:248 Resp: 6506
 Ion Ratio Lower Upper
 248 100
 250 200.1 76.9 115.3#
 141 393.4 74.4 111.6#

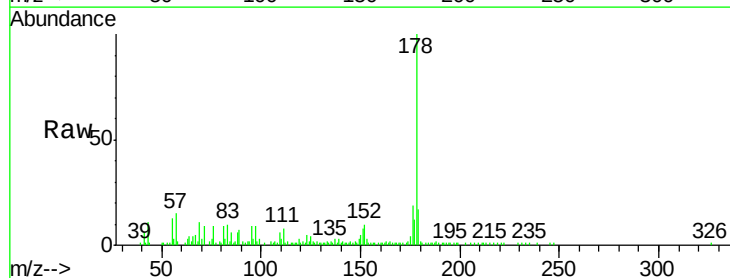


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

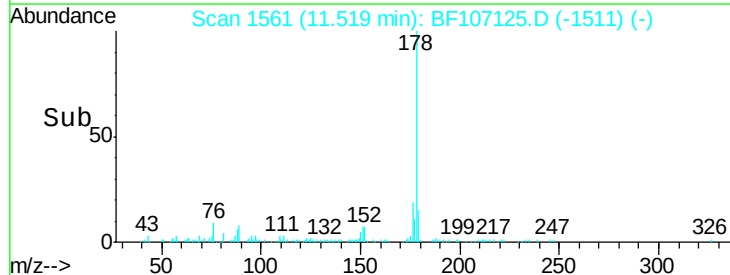
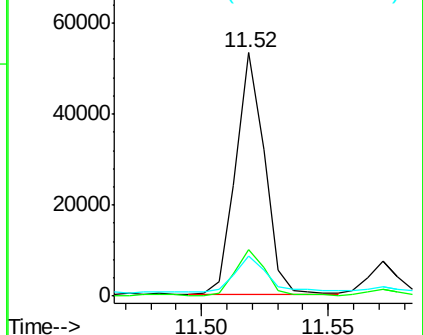


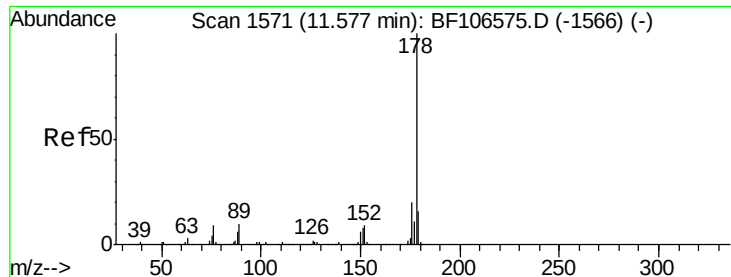
#70
 Phenanthrene
 Concen: 4.765 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Tgt Ion:178 Resp: 42013
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.8 23.8
 179 16.6 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

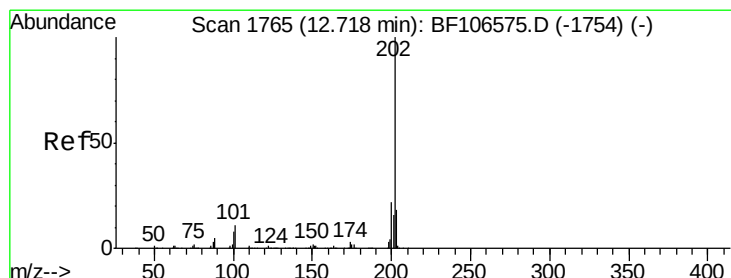
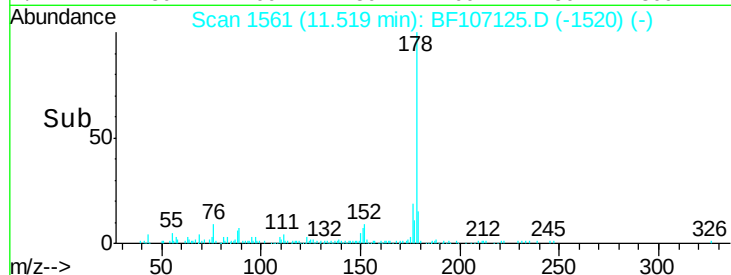
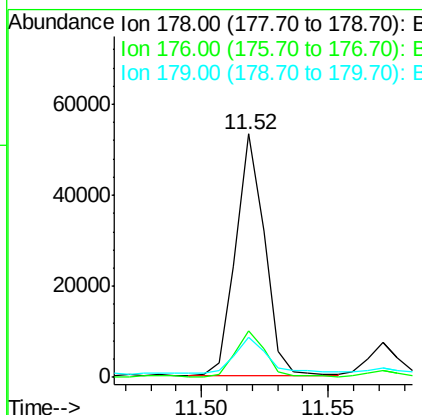
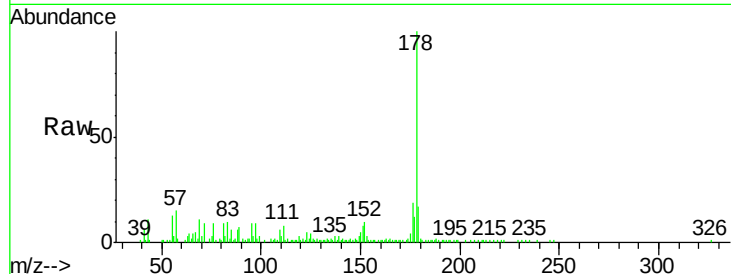




#71
 Anthracene
 Concen: 4.668 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.06 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

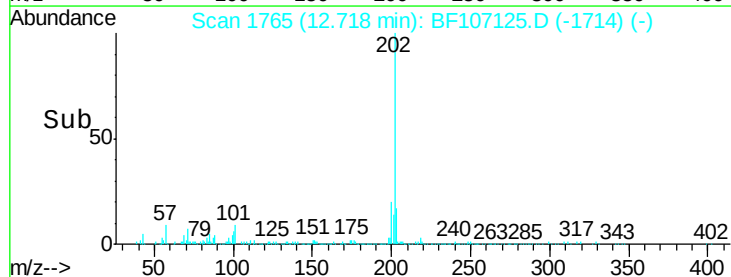
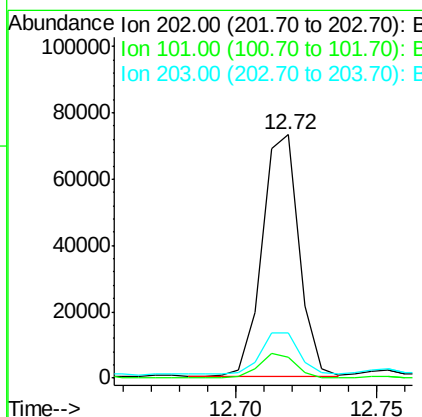
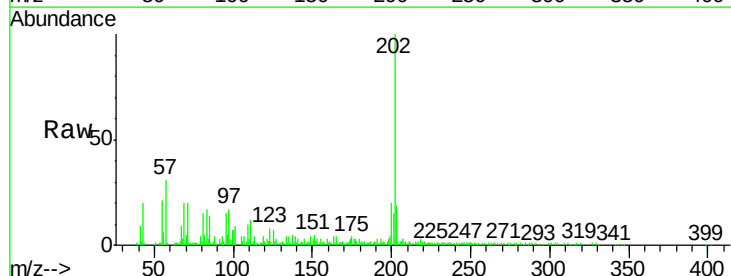
Instrument :
 BNA_F
 ClientSampleId :
 B1-A

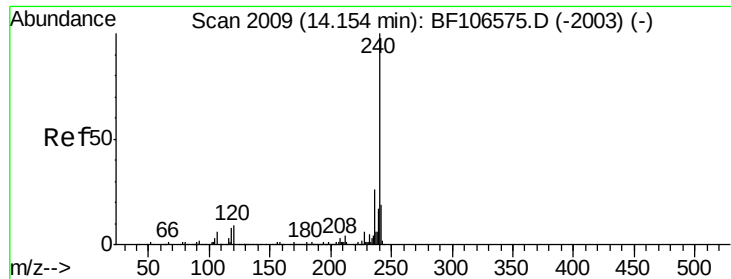
Tgt Ion:178 Resp: 42013
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.4 23.2
 179 16.6 12.6 19.0



#74
 Fluoranthene
 Concen: 6.809 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.00 min
 Lab File: BF107125.D
 Acq: 5 Jul 2018 14:29

Tgt Ion:202 Resp: 66172
 Ion Ratio Lower Upper
 202 100
 101 8.6 0.0 34.1
 203 18.6 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampleId :

B1-A

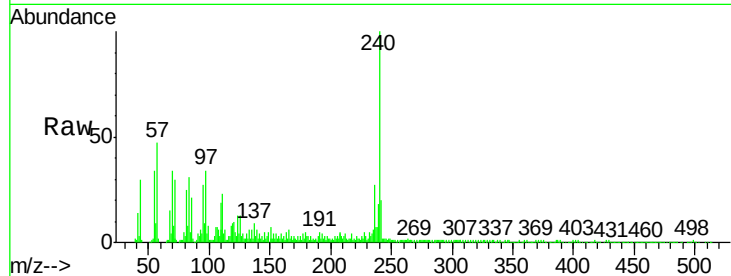
Tgt Ion:240 Resp: 118091

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

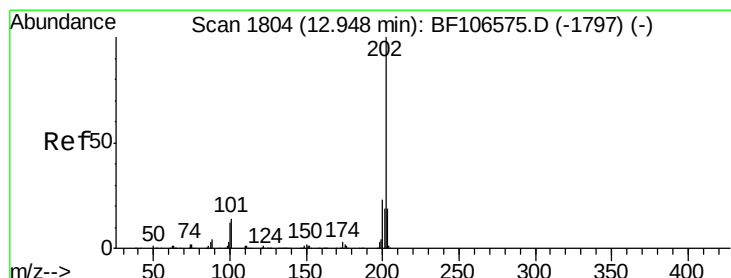
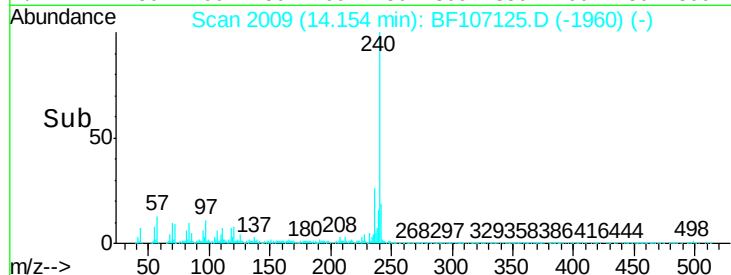
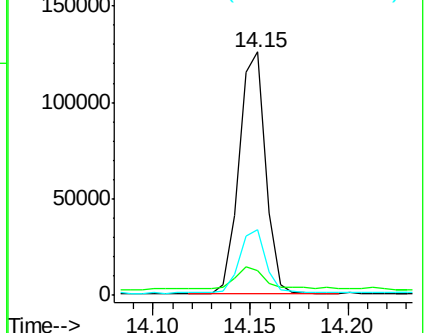
236 27.1 20.7 31.1



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: 7.001 ng

RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

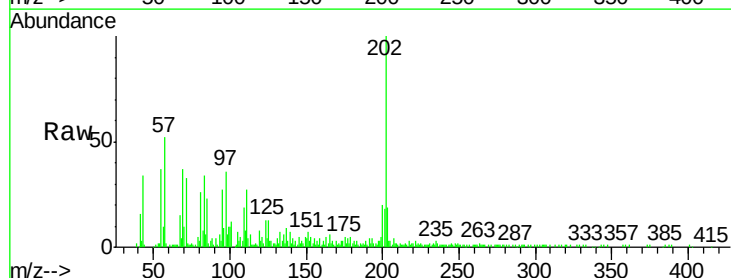
Tgt Ion:202 Resp: 54518

Ion Ratio Lower Upper

202 100

200 19.9 17.4 26.2

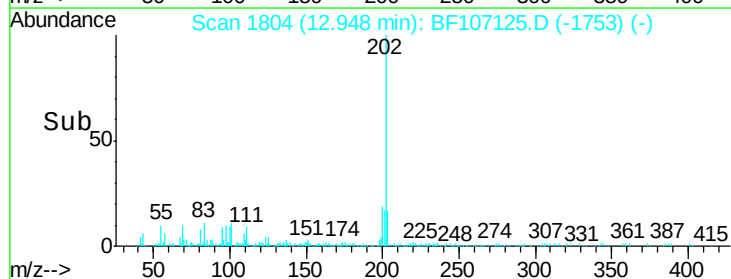
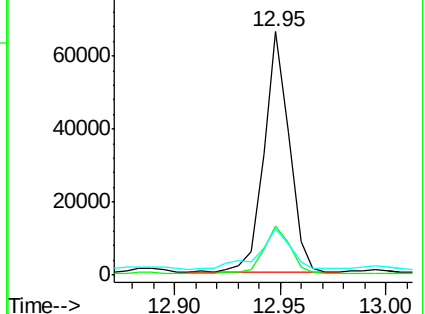
203 19.1 14.3 21.5

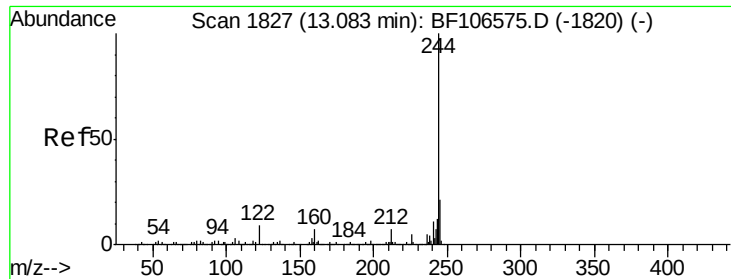


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 77.835 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampleId :

B1-A

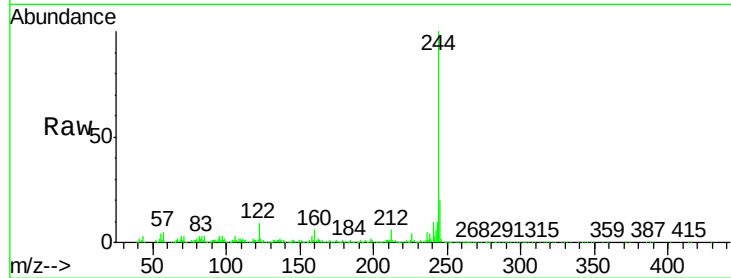
Tgt Ion:244 Resp: 379459

Ion Ratio Lower Upper

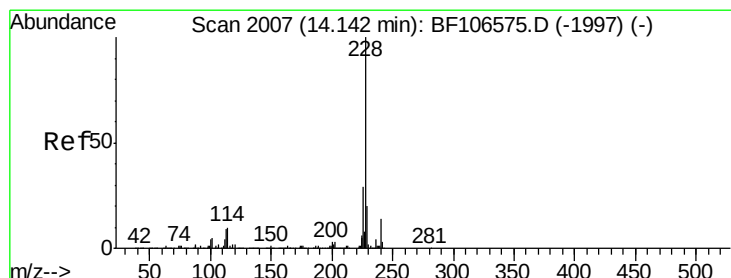
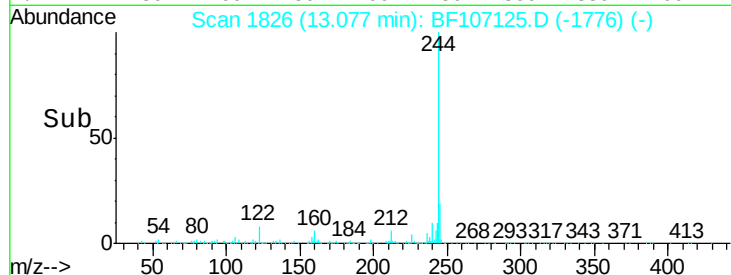
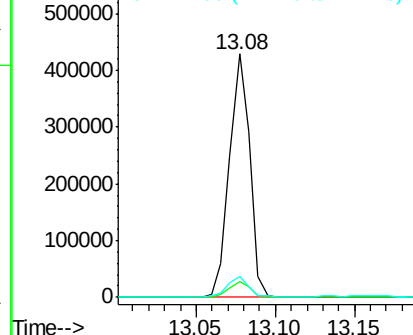
244 100

212 6.5 5.4 8.0

122 8.5 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: 4.388 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

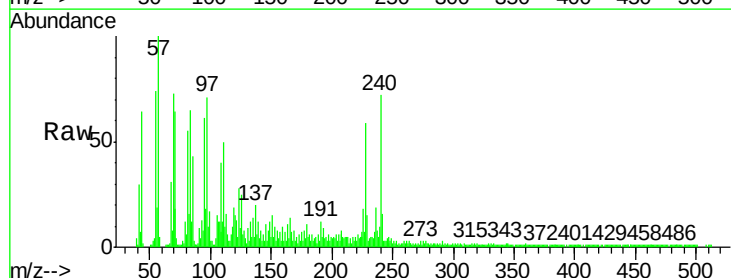
Tgt Ion:228 Resp: 31583

Ion Ratio Lower Upper

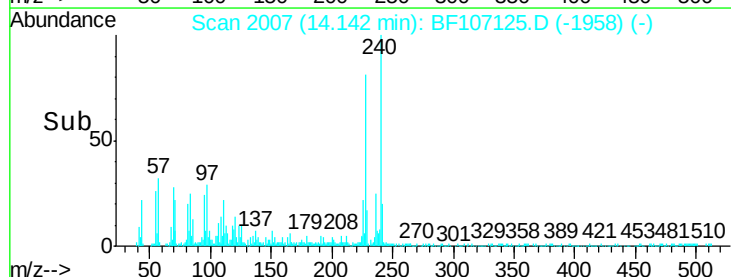
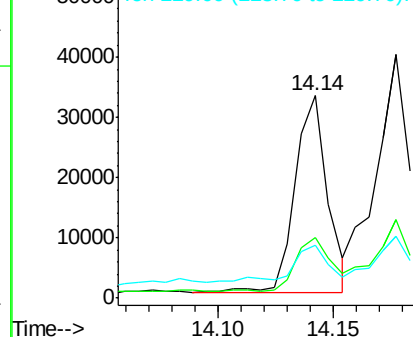
228 100

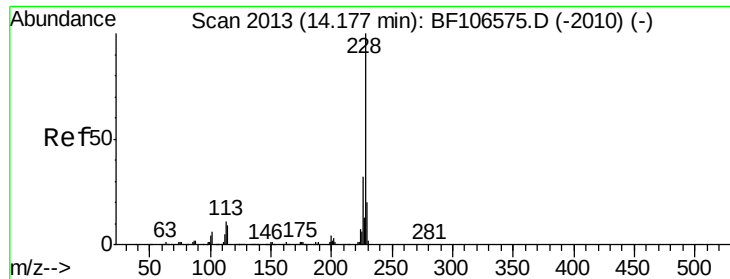
226 29.8 22.6 33.8

229 26.1 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: 6.017 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampled :

B1-A

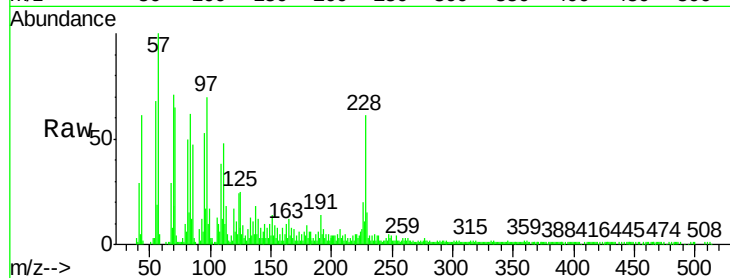
Tgt Ion:228 Resp: 39841

Ion Ratio Lower Upper

228 100

226 32.1 25.0 37.6

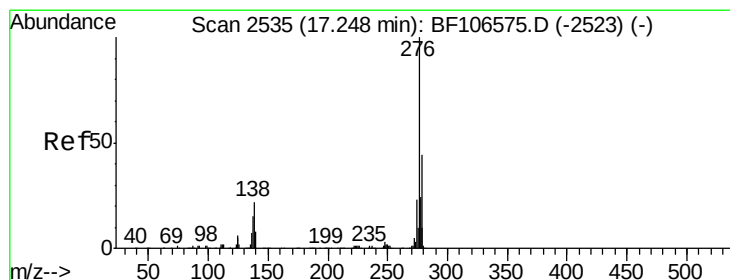
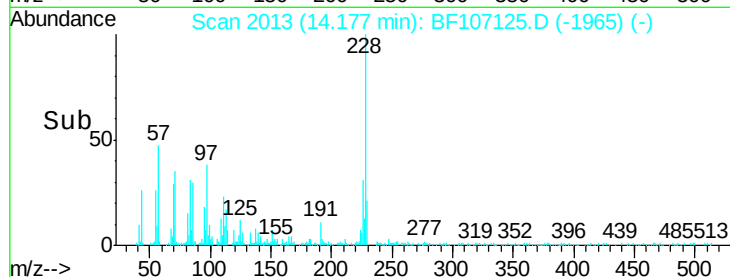
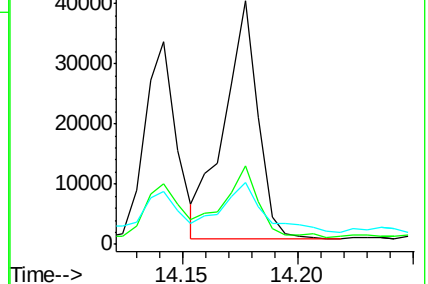
229 25.3 16.2 24.4#



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: 2.931 ng

RT: 17.29 min Scan# 2542

Delta R.T. -0.02 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

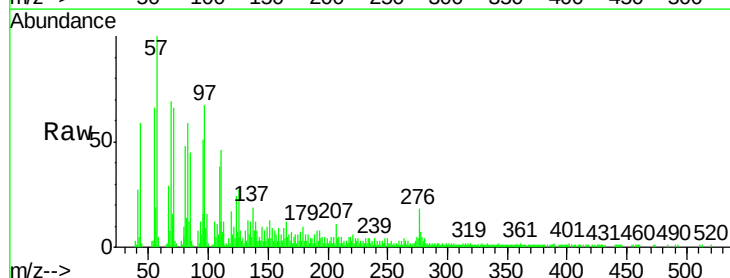
Tgt Ion:276 Resp: 16472

Ion Ratio Lower Upper

276 100

138 22.4 25.0 37.6#

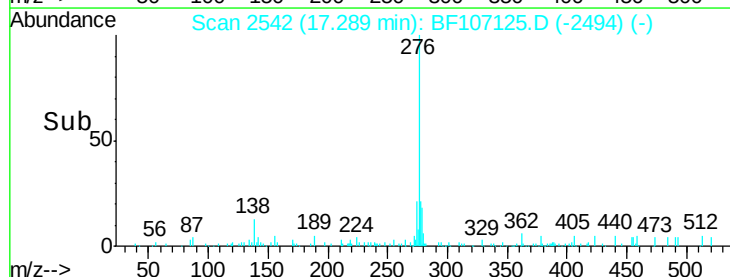
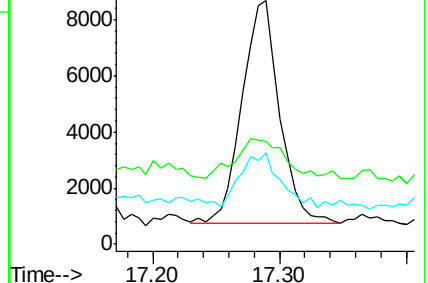
277 25.8 20.1 30.1

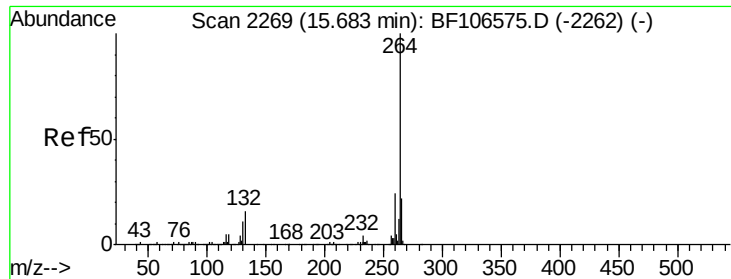


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

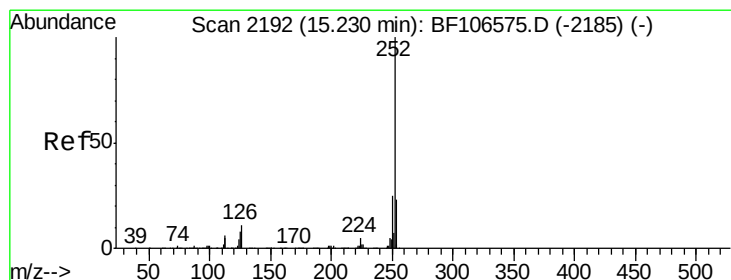
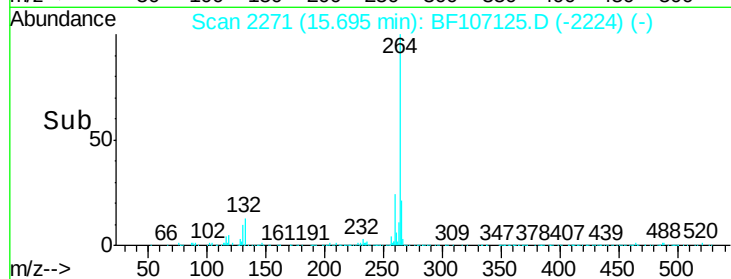
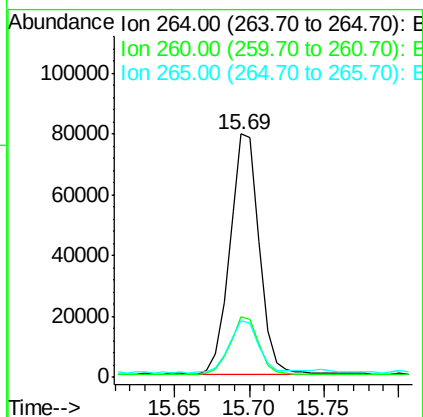
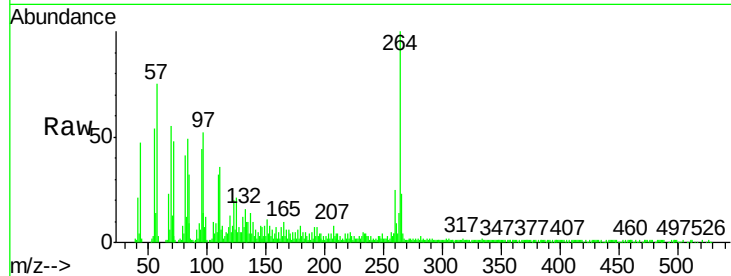




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2271
Delta R.T. -0.02 min
Lab File: BF107125.D
Acq: 5 Jul 2018 14:29

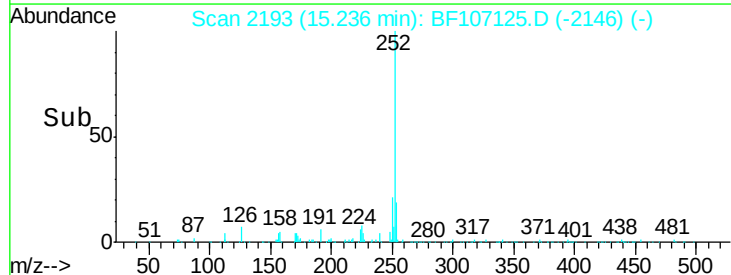
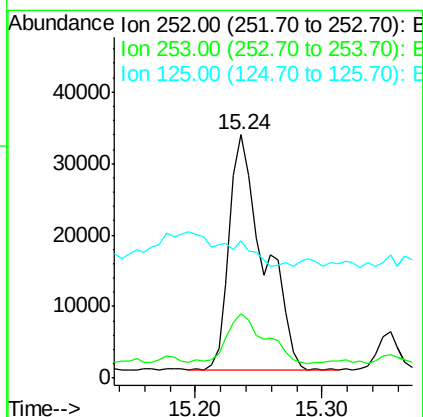
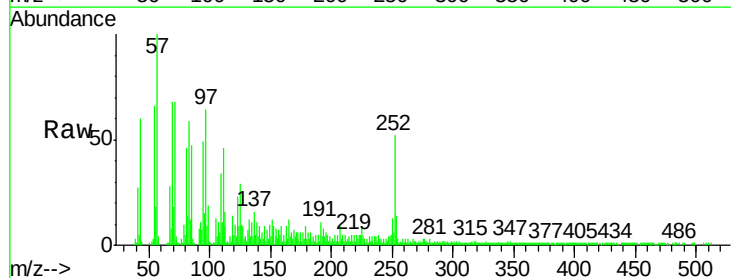
Instrument :
BNA_F
ClientSampleId :
B1-A

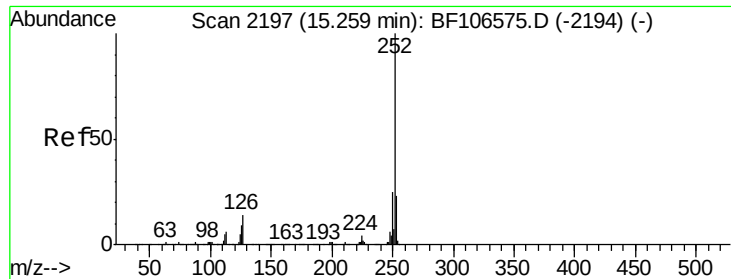
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	23.0	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 9.293 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF107125.D
Acq: 5 Jul 2018 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.0	25.6#
125	56.6	9.0	13.6#

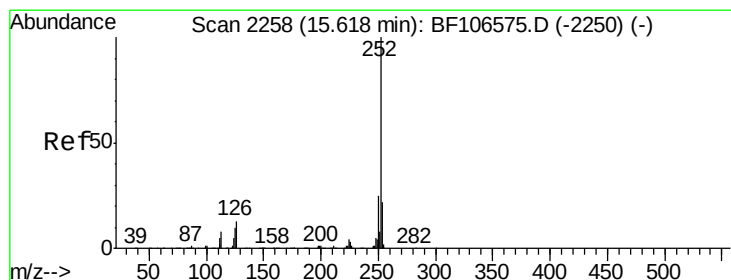
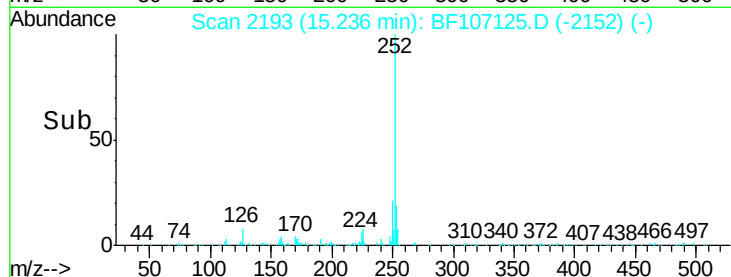
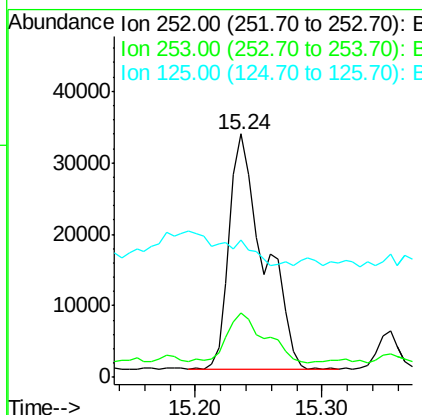
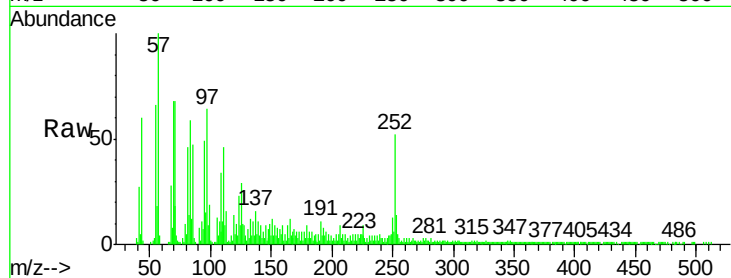




#88
Benzo(k)fluoranthene
Concen: 9.758 ng
RT: 15.24 min Scan# 2193
Delta R.T. -0.06 min
Lab File: BF107125.D
Acq: 5 Jul 2018 14:29

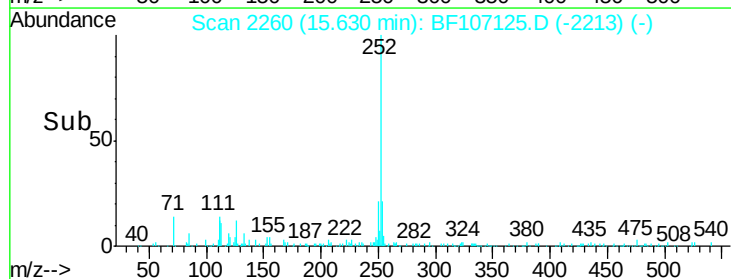
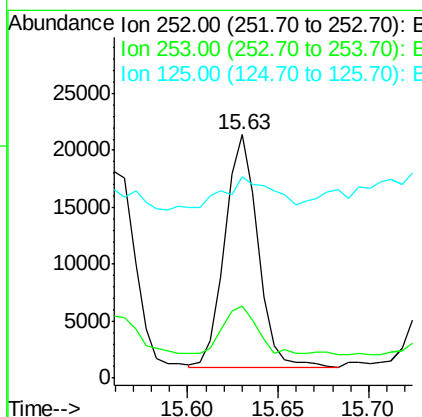
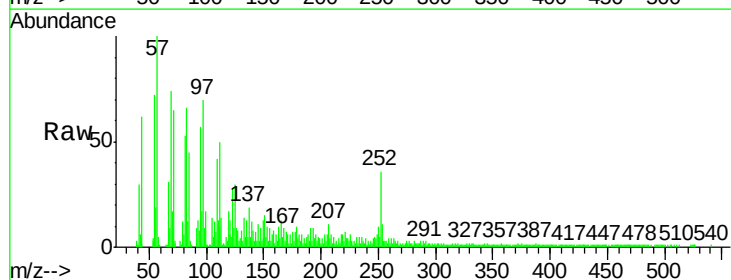
Instrument :
BNA_F
ClientSampleId :
B1-A

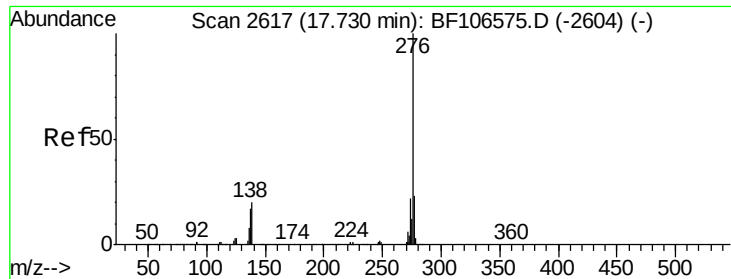
Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.9	26.9
125	56.6	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 4.324 ng
RT: 15.63 min Scan# 2260
Delta R.T. -0.02 min
Lab File: BF107125.D
Acq: 5 Jul 2018 14:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.1	25.7#
125	82.8	9.8	14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.978 ng

RT: 17.78 min Scan# 2625

Delta R.T. -0.01 min

Lab File: BF107125.D

Acq: 5 Jul 2018 14:29

Instrument :

BNA_F

ClientSampleId :

B1-A

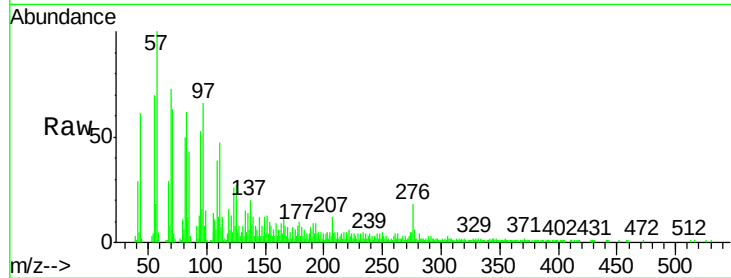
Tgt Ion: 276 Resp: 14836

Ion Ratio Lower Upper

276 100

277 36.0 17.9 26.9#

138 46.7 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

