

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070518\
 Data File : BF107130.D
 Acq On : 5 Jul 2018 16:46
 Operator : JU/SJ
 Sample : J3853-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-8

Quant Time: Jul 05 17:40:09 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	60565	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	229561	20.00	ng	-0.02
38) Acenaphthene-d10	9.99	164	109809	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	183678	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	165440	20.00	ng	-0.02
86) Perylene-d12	15.69	264	137661	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	357837	100.05	ng	0.00
7) Phenol-d6	6.60	99	447235	100.13	ng	-0.02
23) Nitrobenzene-d5	7.51	82	277129	67.09	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	126717	99.56	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	514579	78.13	ng	-0.02
78) Terphenyl-d14	13.07	244	467944	68.51	ng	-0.01

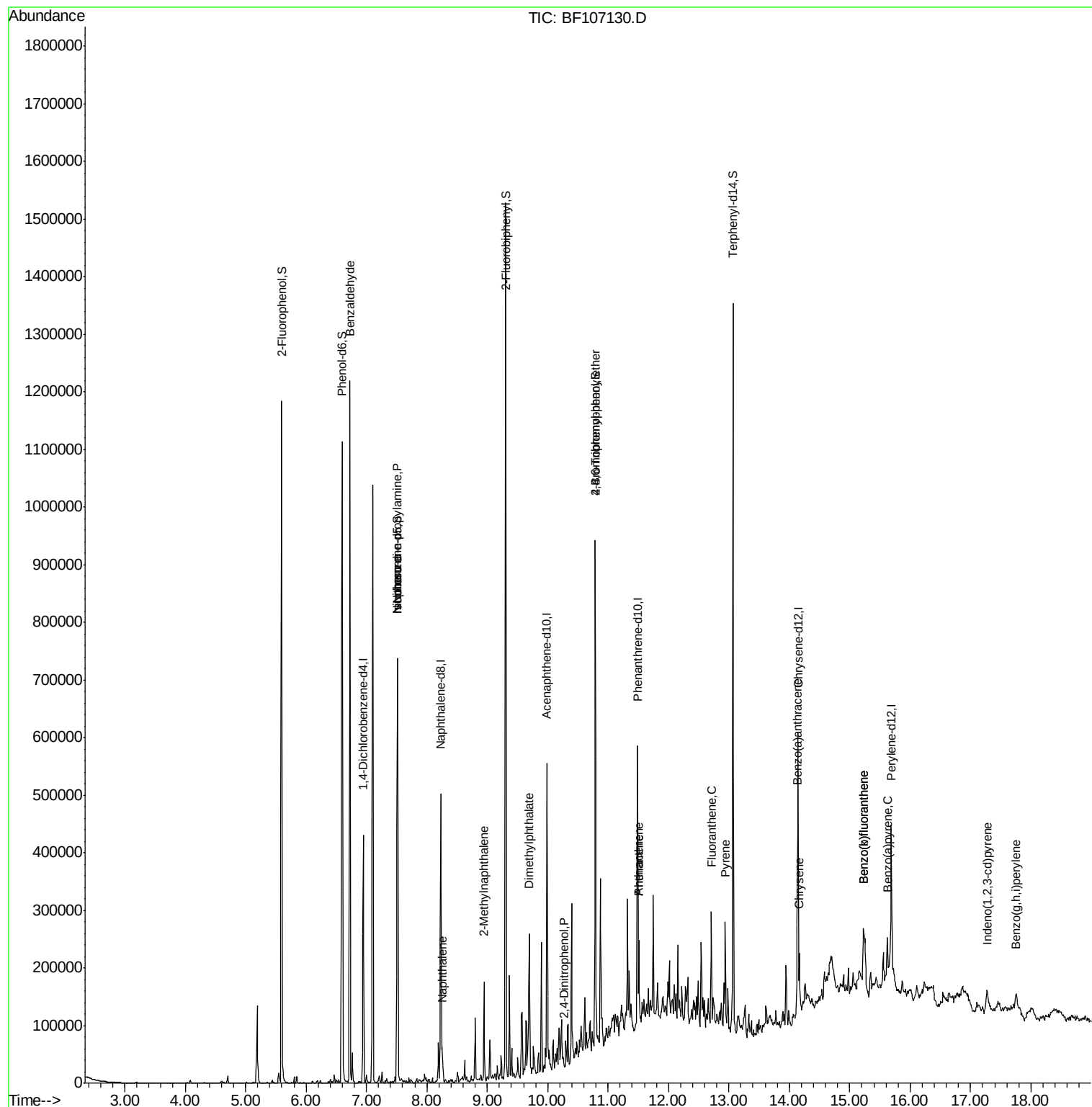
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.72	77	7504	2.006	ng	90
19) n-Nitroso-di-n-propylamine	7.51	70	37890	12.869	ng	# 74
25) Isophorone	7.51	82	277127	38.072	ng	# 64
31) Naphthalene	8.25	128	22317	2.079	ng	98
37) 2-Methylnaphthalene	8.95	142	52995	7.450	ng	94
49) Dimethylphthalate	9.70	163	84147	10.217	ng	98
53) 2,4-Dinitrophenol	10.27	184	361	5.724	ng	# 1
66) 4-Bromophenyl-phenylether	10.79	248	7737	3.529	ng	# 1
70) Phenanthrene	11.51	178	53088	5.992	ng	100
71) Anthracene	11.51	178	53088	5.871	ng	99
74) Fluoranthene	12.71	202	72043	7.378	ng	95
77) Pyrene	12.94	202	72285	6.626	ng	98
80) Benzo(a)anthracene	14.13	228	45097	4.473	ng	99
82) Chrysene	14.17	228	43157	4.652	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	19390	2.463	ng	95
87) Benzo(b)fluoranthene	15.23	252	72962	8.532	ng	# 97
88) Benzo(k)fluoranthene	15.23	252	72962	8.960	ng	98
89) Benzo(a)pyrene	15.62	252	34753	4.572	ng	# 94
91) Benzo(g,h,i)perylene	17.76	276	17400	2.763	ng	# 87

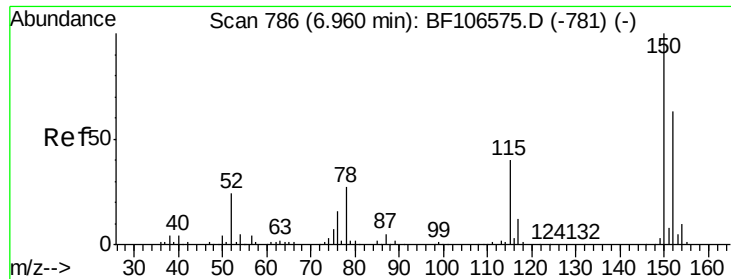
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF070518\
Data File : BF107130.D
Acq On : 5 Jul 2018 16:46
Operator : JU/SJ
Sample : J3853-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-8

Quant Time: Jul 05 17:40:09 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



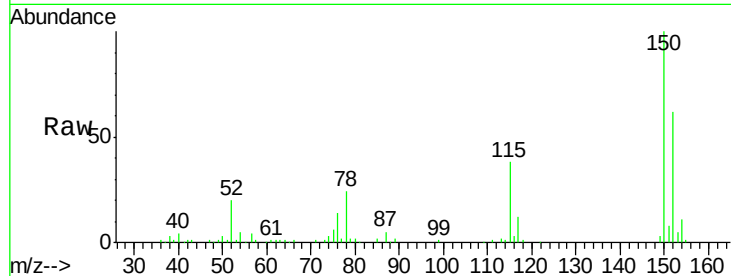


#1

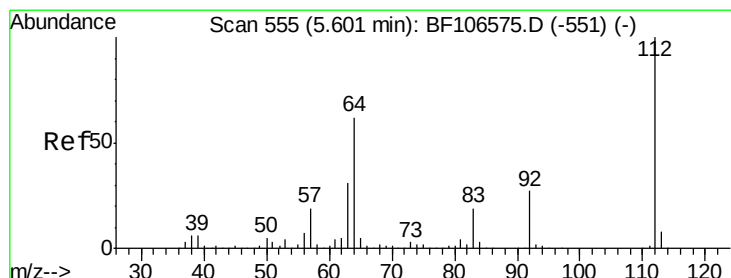
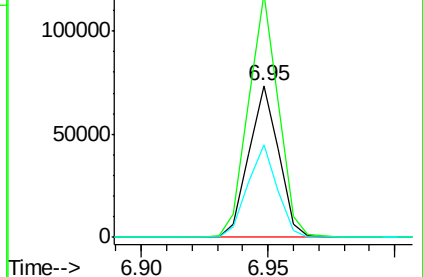
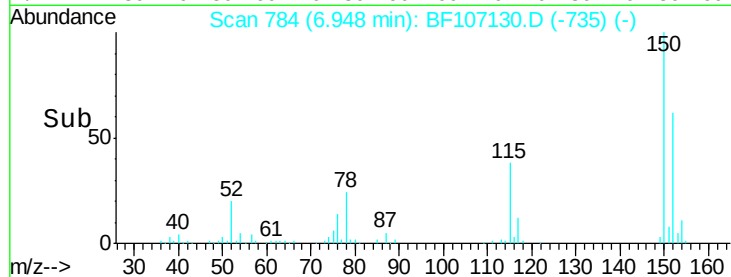
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Instrument :
BNA_F
ClientSampleId :
B-8

Tgt Ion:152 Resp: 60565
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 60.7 50.1 75.1



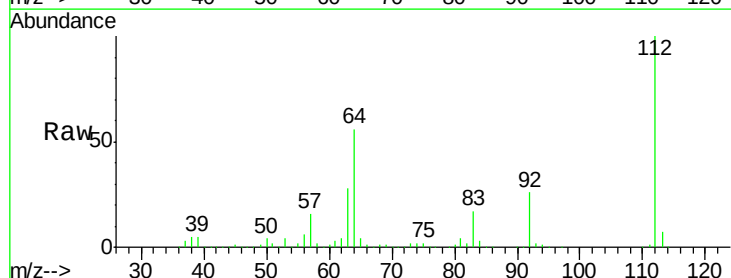
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



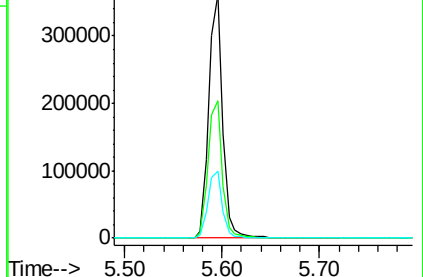
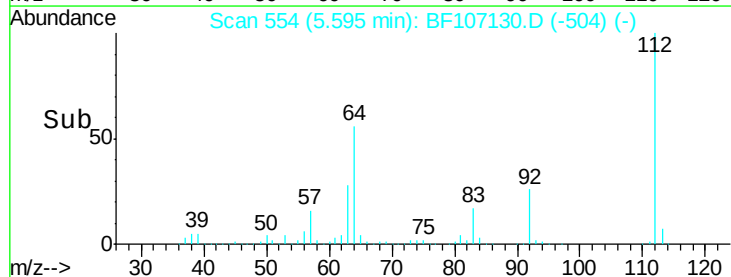
#5

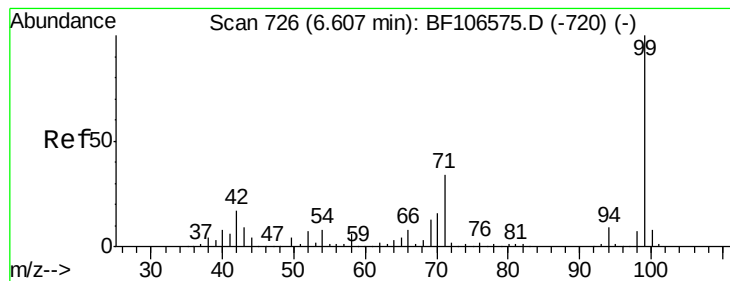
2-Fluorophenol
Concen: 100.047 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Tgt Ion:112 Resp: 357837
Ion Ratio Lower Upper
112 100
64 56.5 47.9 71.9
63 27.6 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: 100.128 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

Instrument :

BNA_F

ClientSampled :

B-8

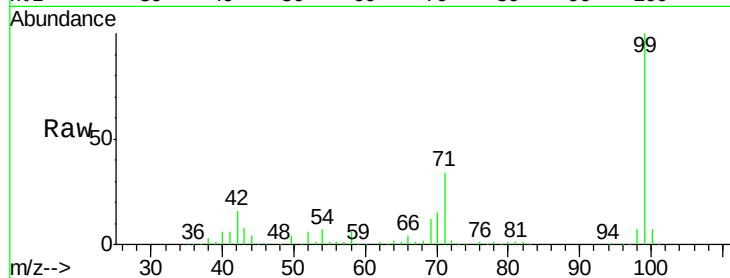
Tgt Ion: 99 Resp: 447235

Ion Ratio Lower Upper

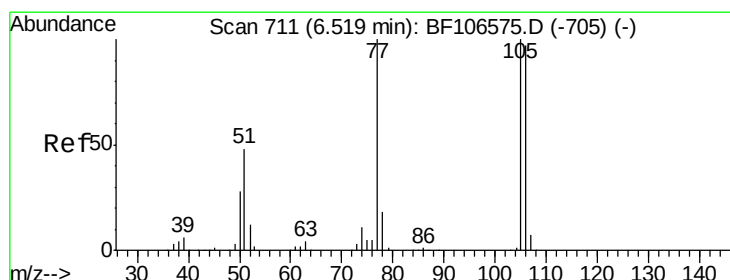
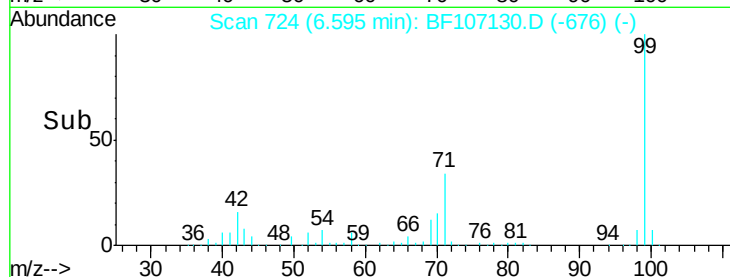
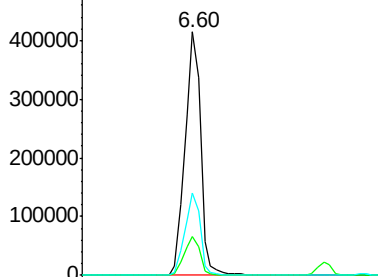
99 100

42 16.2 14.5 21.7

71 34.0 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



#9

Benzaldehyde

Concen: 2.006 ng

RT: 6.72 min Scan# 746

Delta R.T. 0.21 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

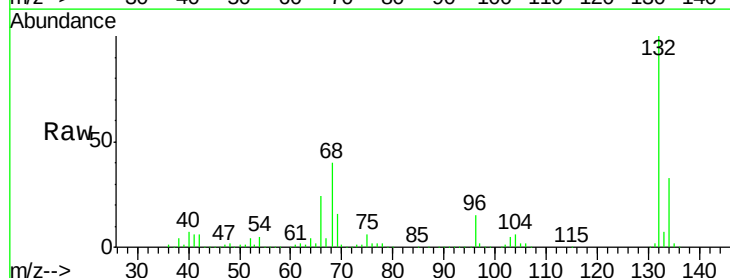
Tgt Ion: 77 Resp: 7504

Ion Ratio Lower Upper

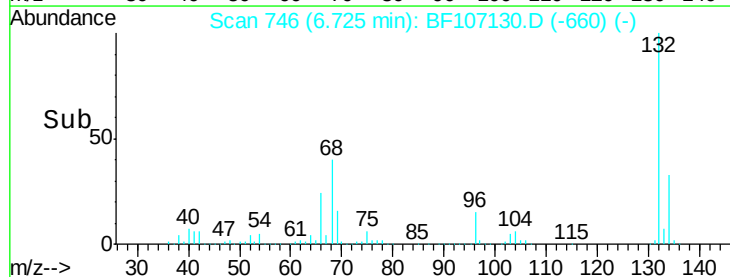
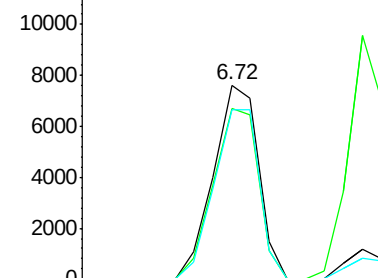
77 100

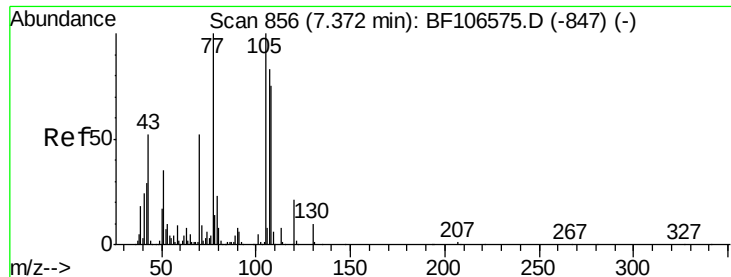
105 87.9 81.1 121.1

106 87.5 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1





#19

n-Nitroso-di-n-propylamine

Concen: 12.869 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

B-8

Tgt Ion: 70 Resp: 37890

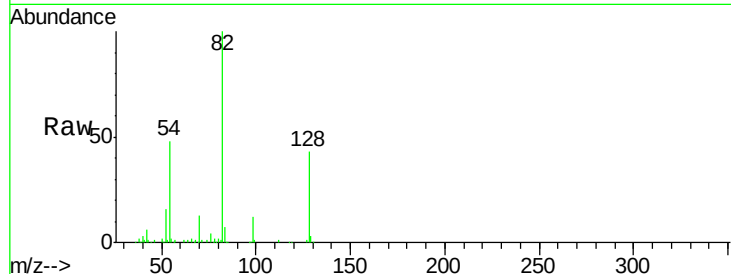
Ion Ratio Lower Upper

70 100

42 44.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#



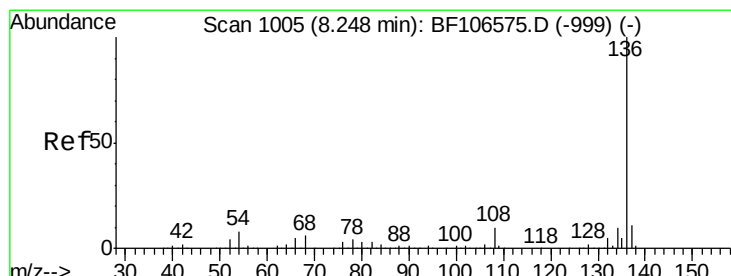
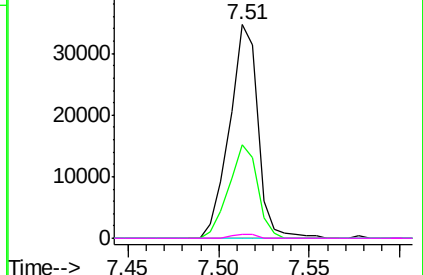
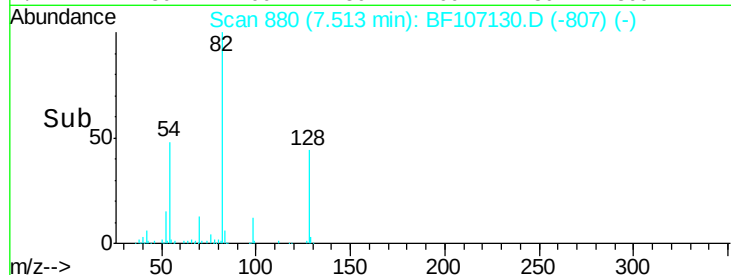
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.23 min Scan# 1002

Delta R.T. -0.02 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

Tgt Ion: 136 Resp: 229561

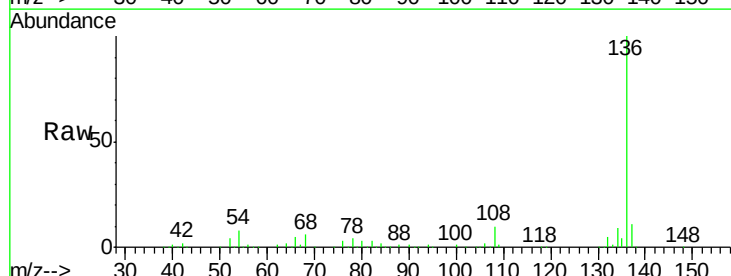
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 8.0 6.6 9.8

68 6.0 5.0 7.4



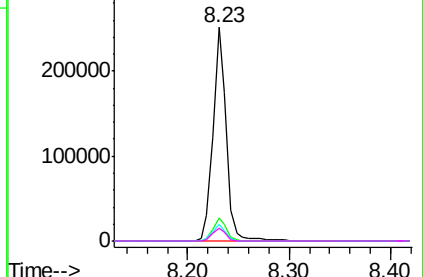
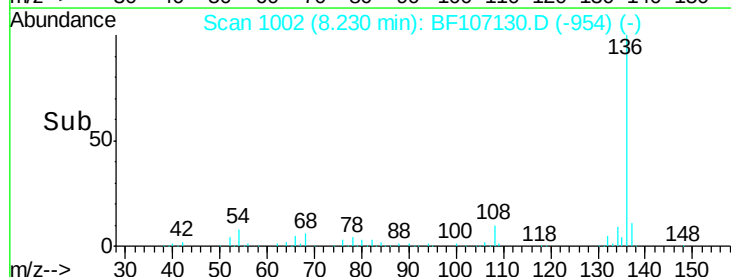
Abundance Ion 136.00 (135.70 to 136.70): BF1

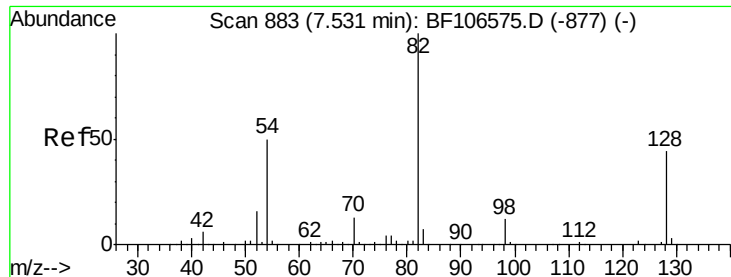
Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

Time-->

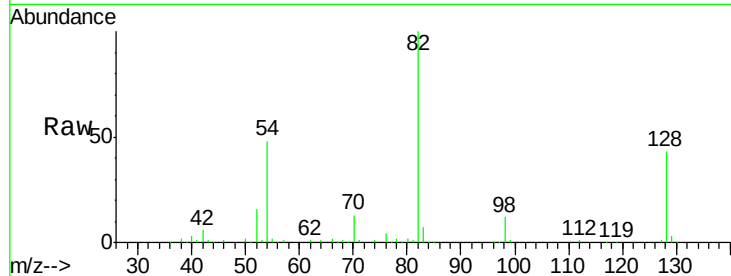




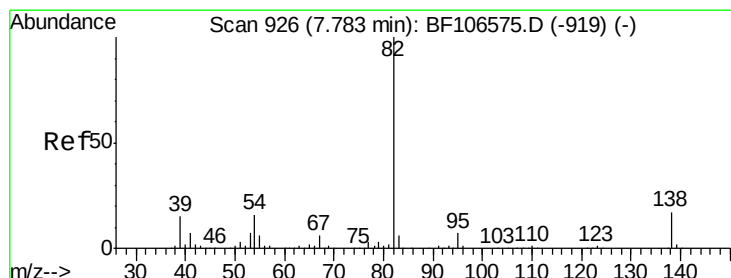
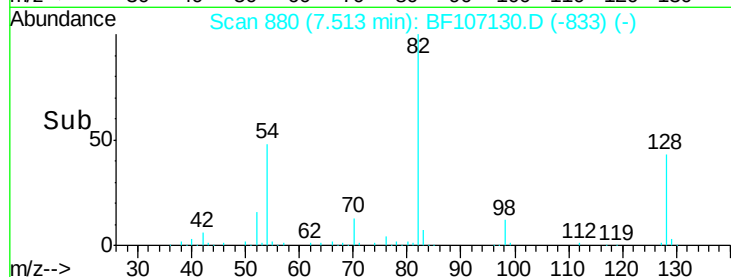
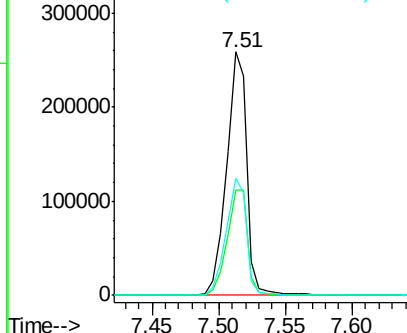
#23
Nitrobenzene-d5
Concen: 67.089 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Instrument :
BNA_F
ClientSampled :
B-8

Tgt Ion: 82 Resp: 277129
Ion Ratio Lower Upper
82 100
128 43.5 36.1 54.1
54 48.0 41.4 62.2

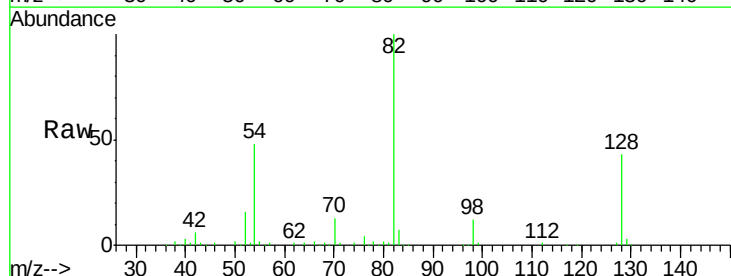


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

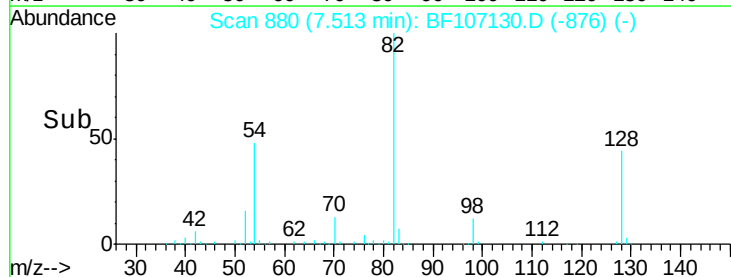
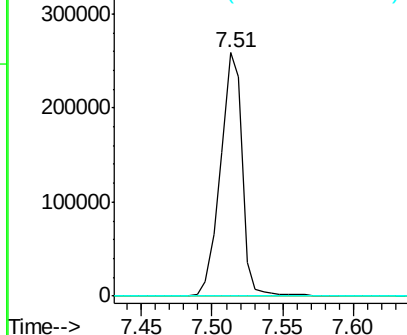


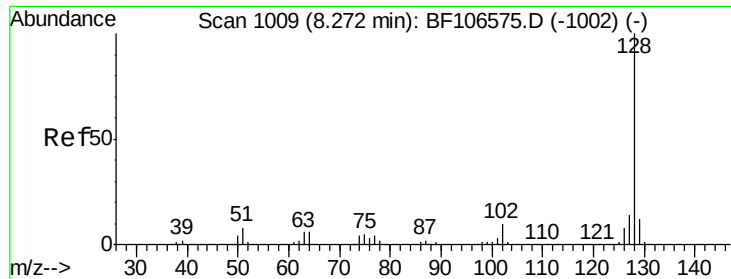
#25
Isophorone
Concen: 38.072 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.28 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Tgt Ion: 82 Resp: 277127
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 138.00 (137.70 to 138.70): BF1

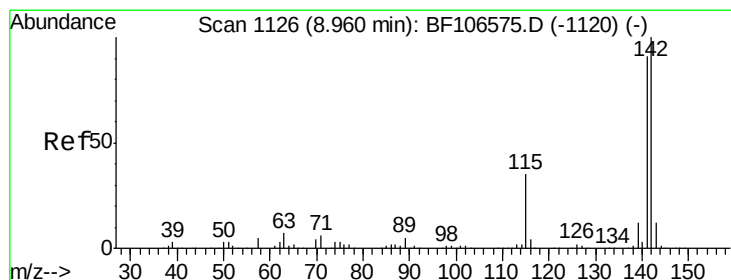
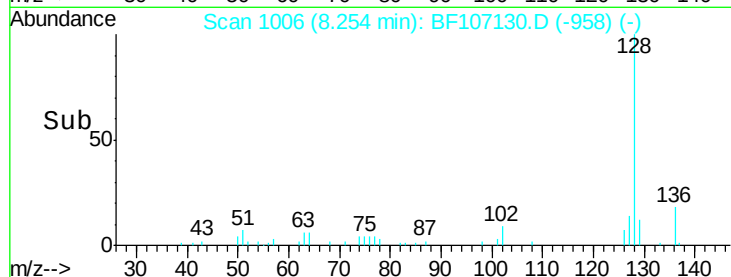
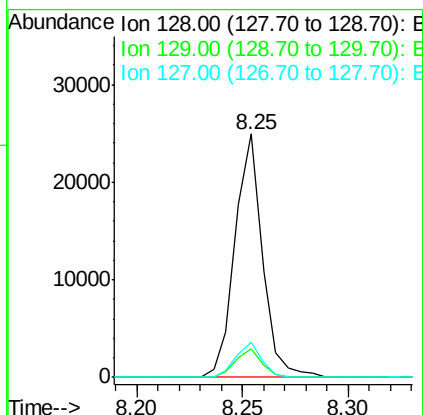
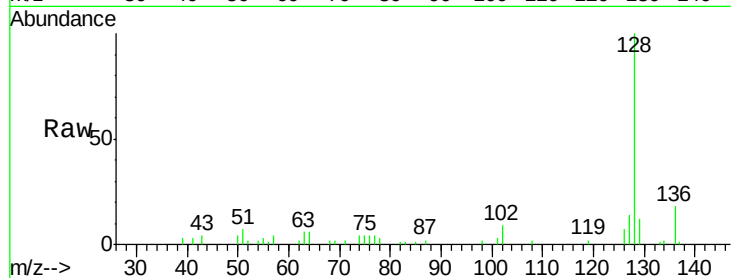




#31
Naphthalene
Concen: 2.079 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

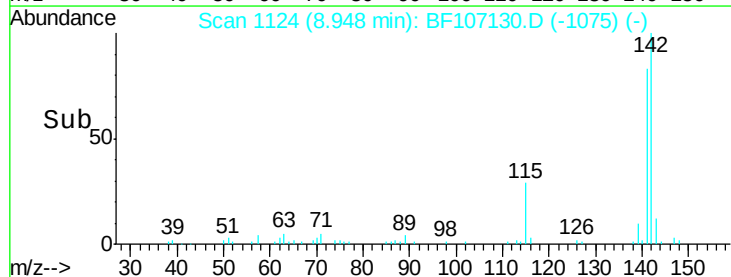
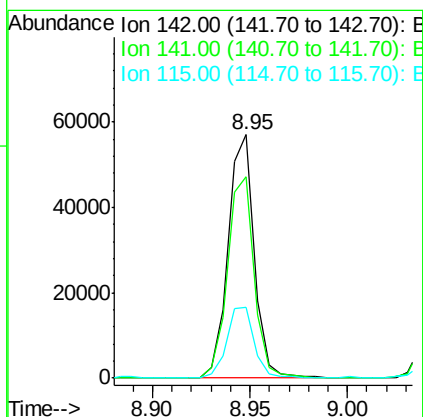
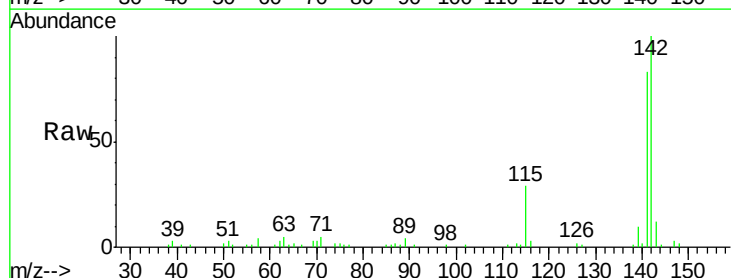
Instrument :
BNA_F
ClientSampleId :
B-8

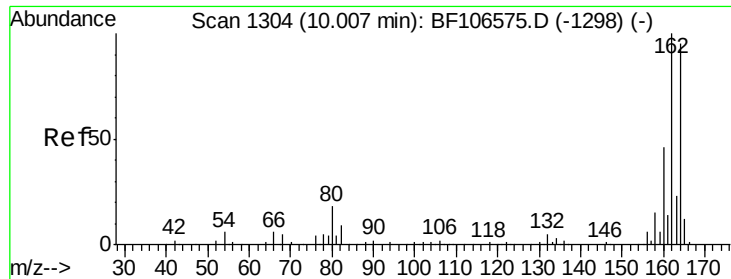
Tgt Ion:128 Resp: 22317
Ion Ratio Lower Upper
128 100
129 11.7 8.8 13.2
127 14.2 10.9 16.3



#37
2-Methylnaphthalene
Concen: 7.450 ng
RT: 8.95 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Tgt Ion:142 Resp: 52995
Ion Ratio Lower Upper
142 100
141 82.8 70.8 106.2
115 29.2 26.1 39.1

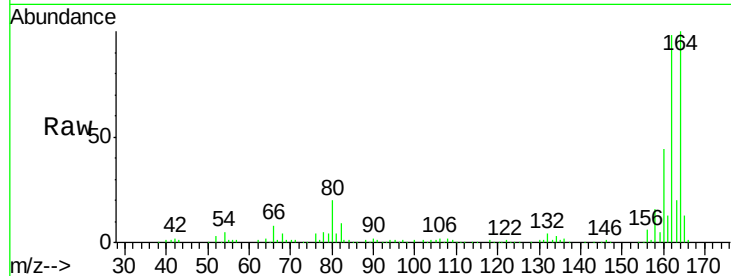




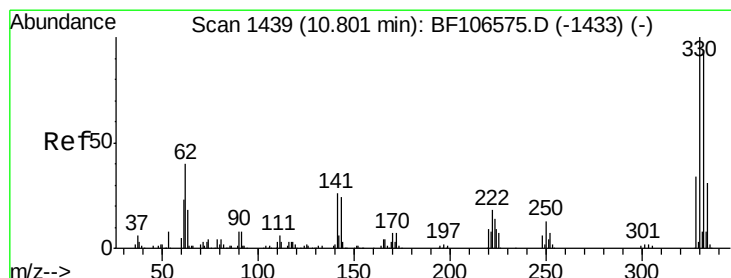
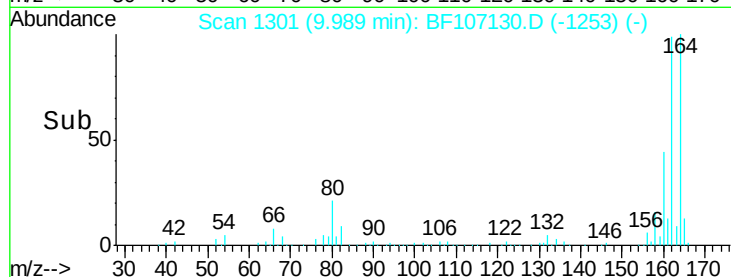
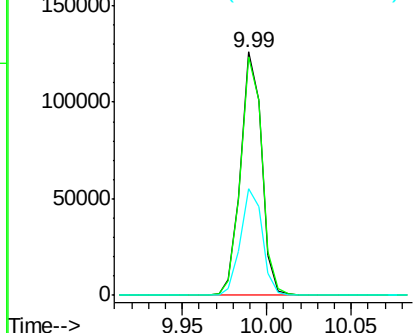
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107130.D
 Acq: 5 Jul 2018 16:46

Instrument :
 BNA_F
 ClientSampleId :
 B-8

Tgt Ion:164 Resp: 109809
 Ion Ratio Lower Upper
 164 100
 162 97.8 86.1 129.1
 160 43.8 38.3 57.5

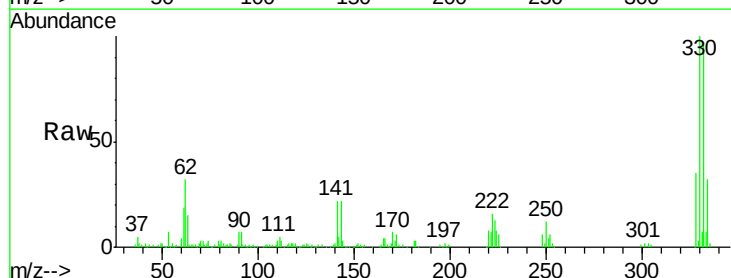


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

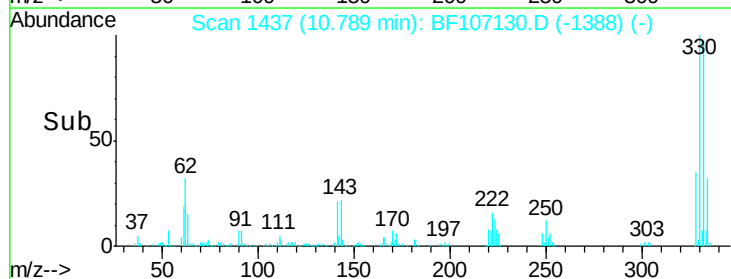
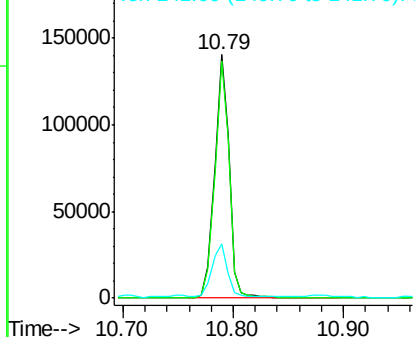


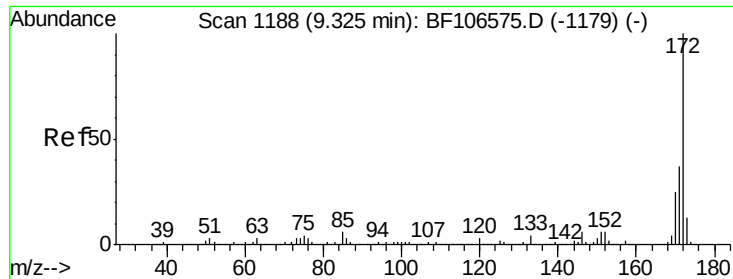
#41
 2,4,6-Tribromophenol
 Concen: 99.564 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107130.D
 Acq: 5 Jul 2018 16:46

Tgt Ion:330 Resp: 126717
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.0 115.6
 141 23.2 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

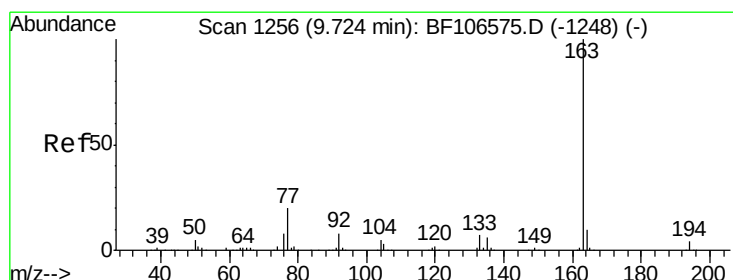
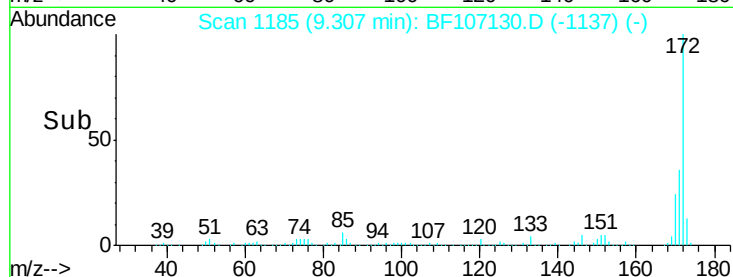
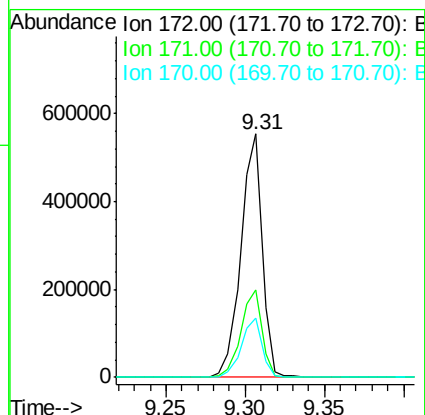
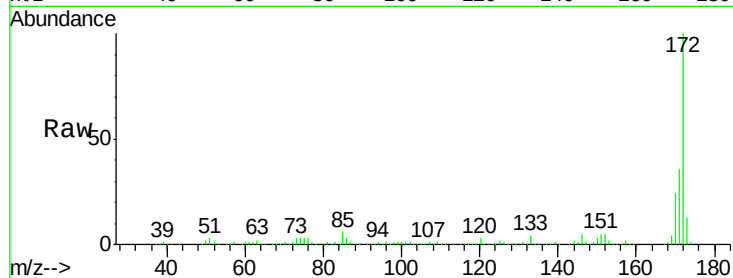




#44
2-Fluorobiphenyl
Concen: 78.126 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

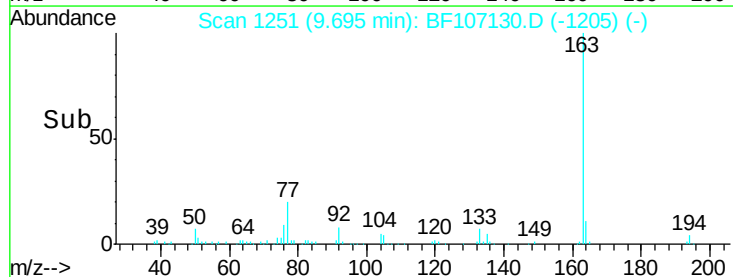
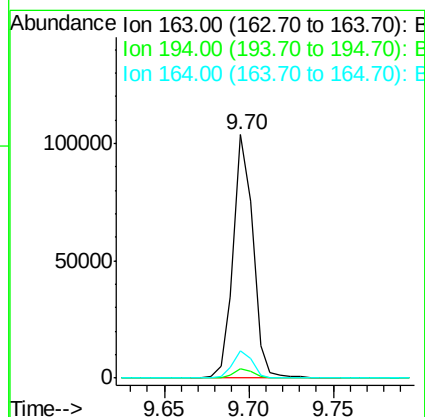
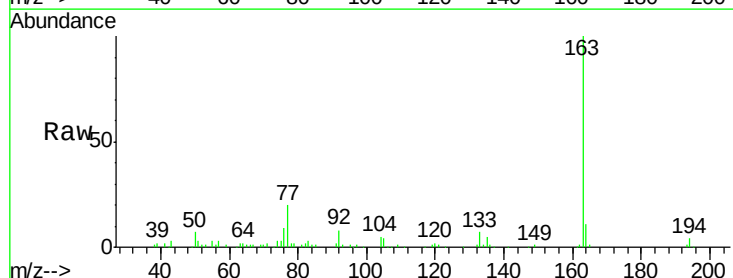
Instrument :
BNA_F
ClientSampleId :
B-8

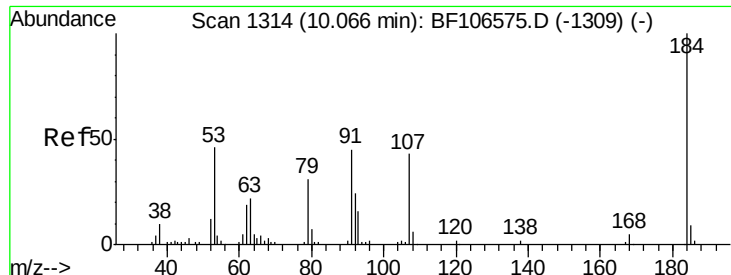
Tgt Ion:172 Resp: 514579
Ion Ratio Lower Upper
172 100
171 36.0 29.7 44.5
170 24.3 19.6 29.4



#49
Dimethylphthalate
Concen: 10.217 ng
RT: 9.70 min Scan# 1251
Delta R.T. -0.03 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Tgt Ion:163 Resp: 84147
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 11.2 8.2 12.2

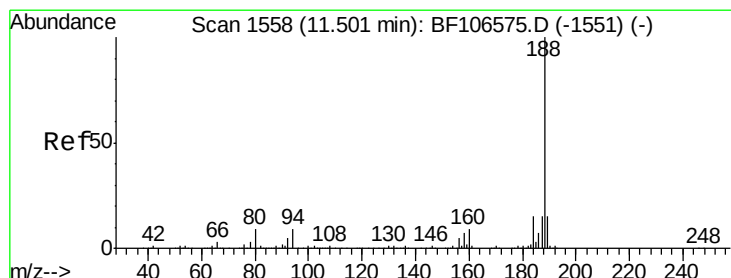
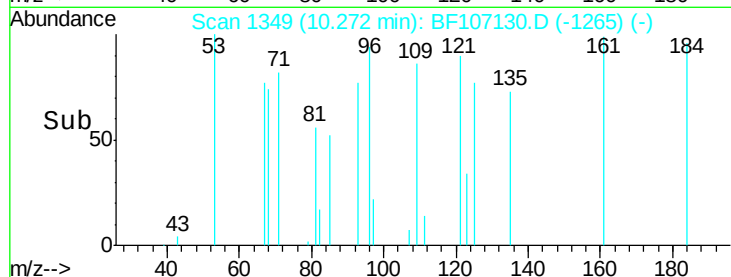
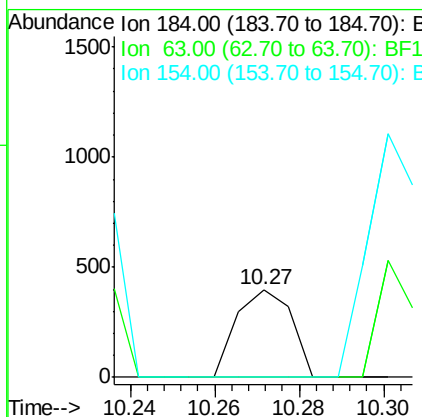
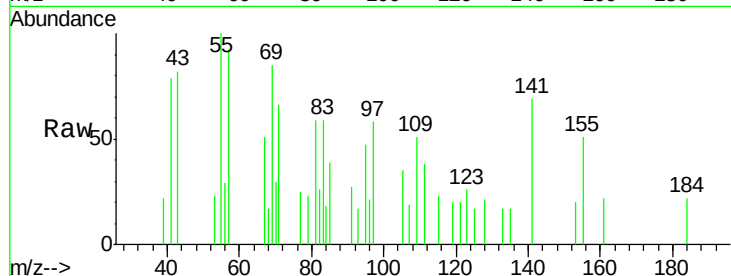




#53
 2,4-Dinitrophenol
 Concen: 5.724 ng
 RT: 10.27 min Scan# 1349
 Delta R.T. 0.19 min
 Lab File: BF107130.D
 Acq: 5 Jul 2018 16:46

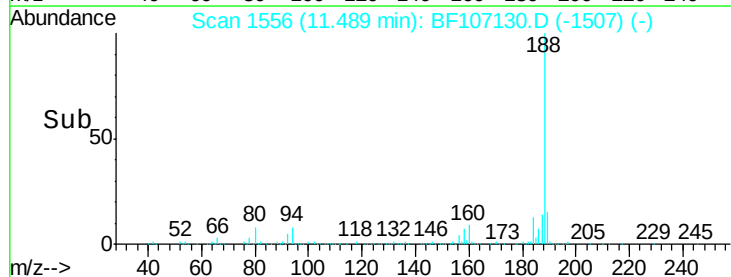
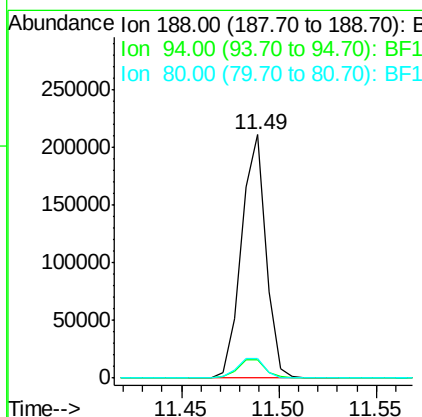
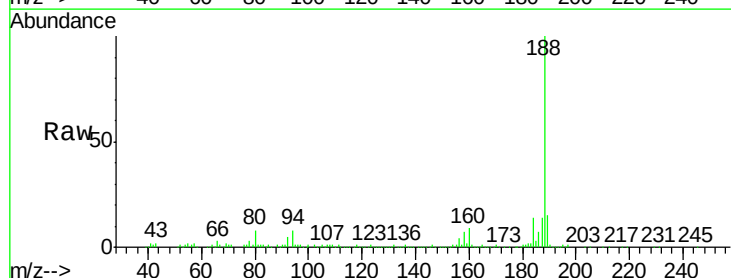
Instrument :
 BNA_F
 ClientSampled :
 B-8

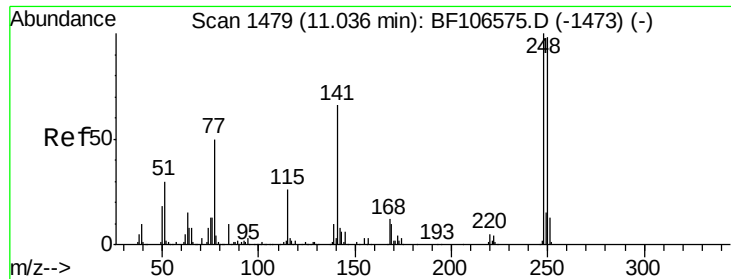
Tgt Ion:184 Resp: 361
 Ion Ratio Lower Upper
 184 100
 63 0.0 54.2 81.2#
 154 0.0 184.0 276.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107130.D
 Acq: 5 Jul 2018 16:46

Tgt Ion:188 Resp: 183678
 Ion Ratio Lower Upper
 188 100
 94 7.8 8.5 12.7#
 80 8.3 9.2 13.8#

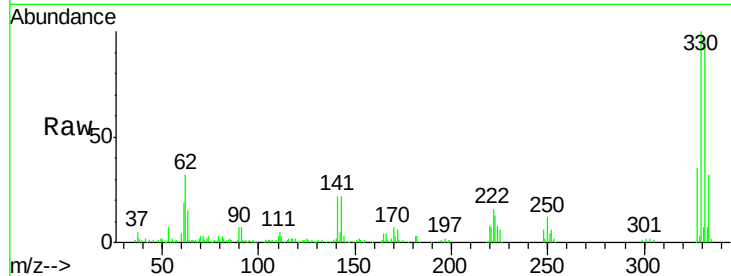




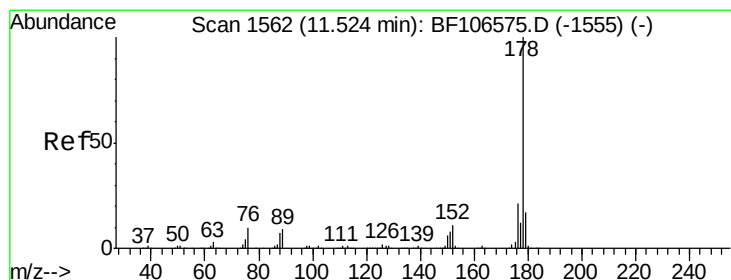
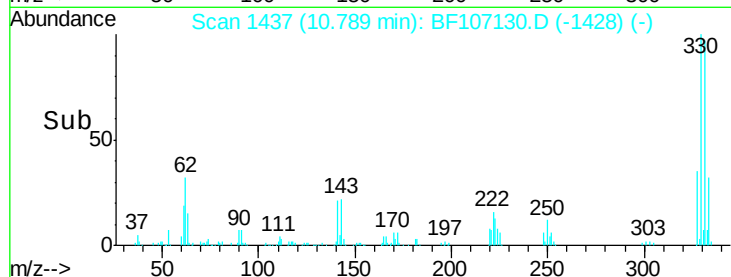
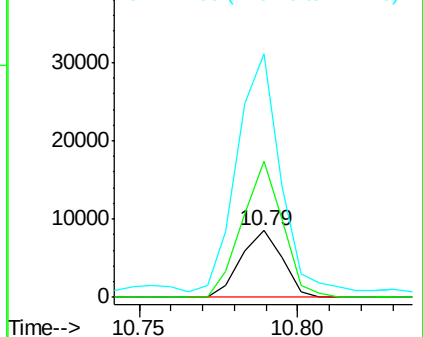
#66
4-Bromophenyl-phenylether
Concen: 3.529 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Instrument :
BNA_F
ClientSampleId :
B-8

Tgt Ion:248 Resp: 7737
Ion Ratio Lower Upper
248 100
250 203.3 76.9 115.3#
141 364.1 74.4 111.6#

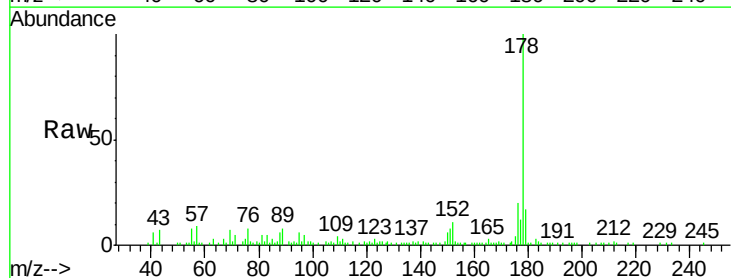


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

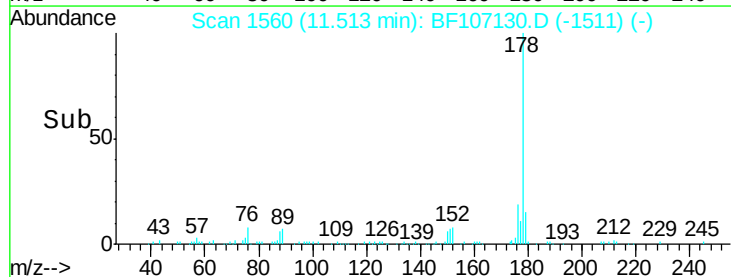
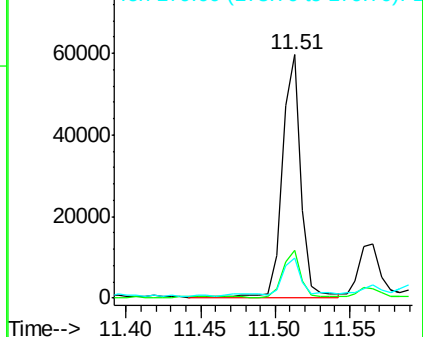


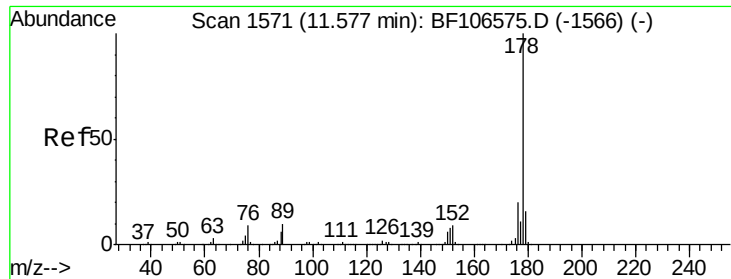
#70
Phenanthrene
Concen: 5.992 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Tgt Ion:178 Resp: 53088
Ion Ratio Lower Upper
178 100
176 19.6 15.8 23.8
179 16.5 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

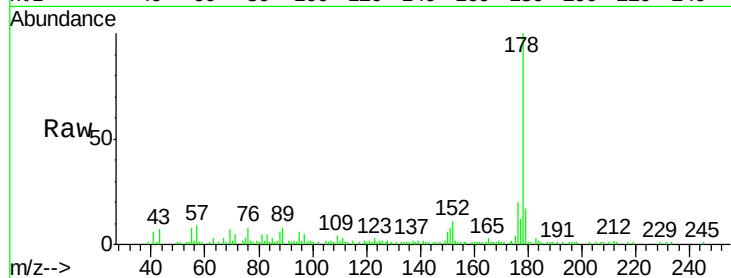




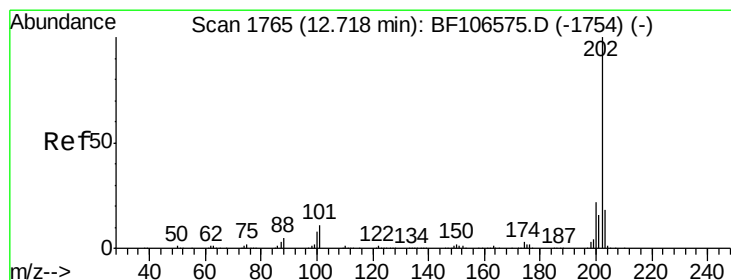
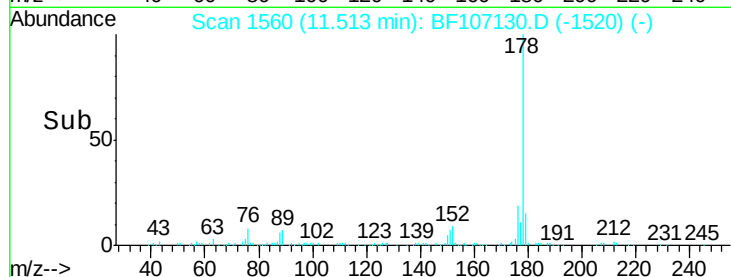
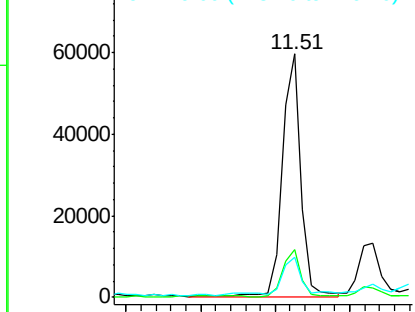
#71
 Anthracene
 Concen: 5.871 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.06 min
 Lab File: BF107130.D
 Acq: 5 Jul 2018 16:46

Instrument :
 BNA_F
 ClientSampleId :
 B-8

Tgt Ion:178 Resp: 53088
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.2
 179 16.5 12.6 19.0

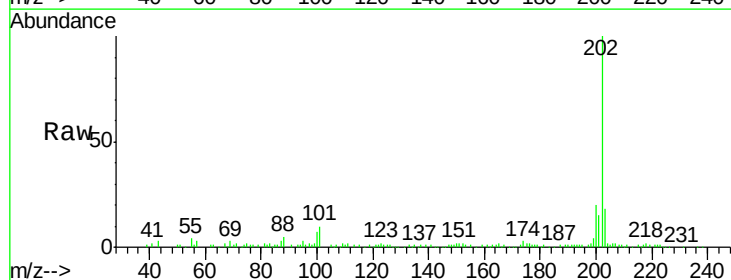


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

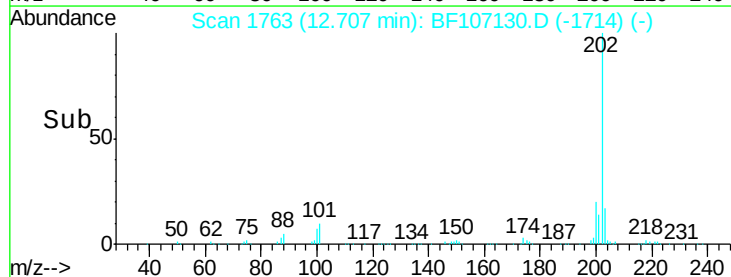
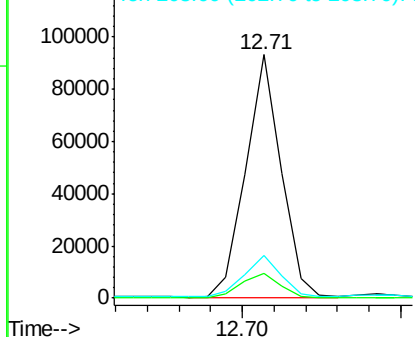


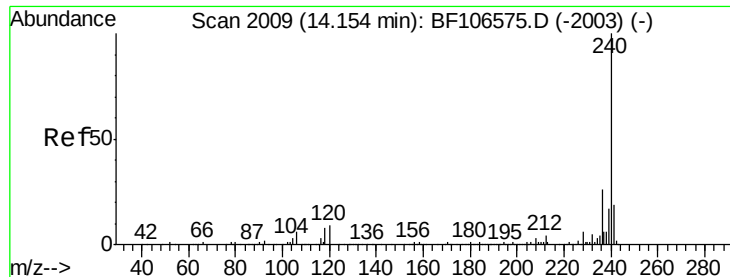
#74
 Fluoranthene
 Concen: 7.378 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107130.D
 Acq: 5 Jul 2018 16:46

Tgt Ion:202 Resp: 72043
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 34.1
 203 17.7 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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

B-8

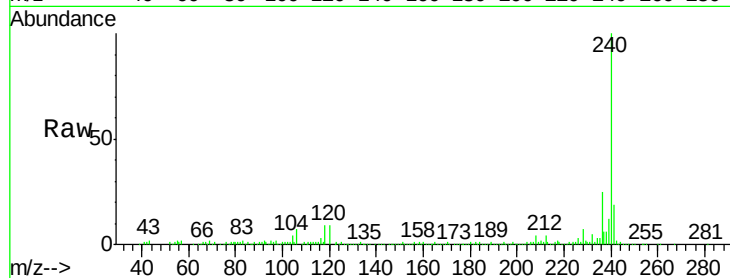
Tgt Ion:240 Resp: 165440

Ion Ratio Lower Upper

240 100

120 9.5 9.5 14.3#

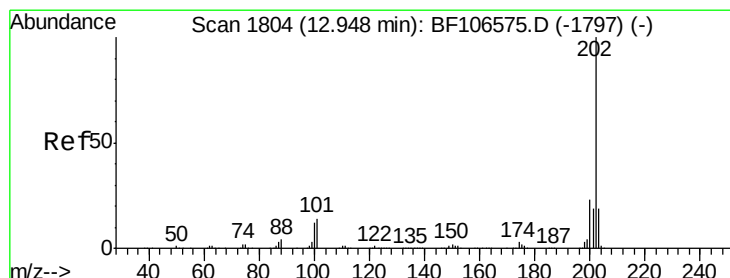
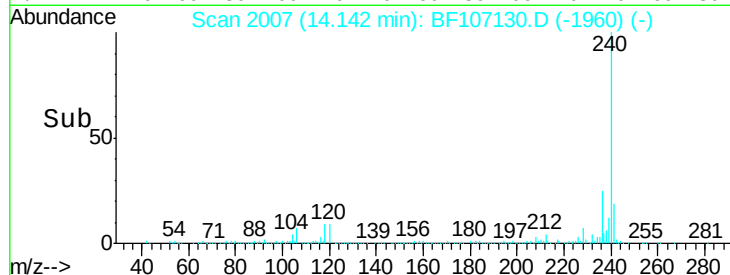
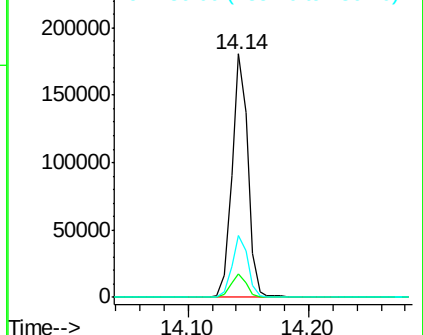
236 25.3 20.7 31.1



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: 6.626 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

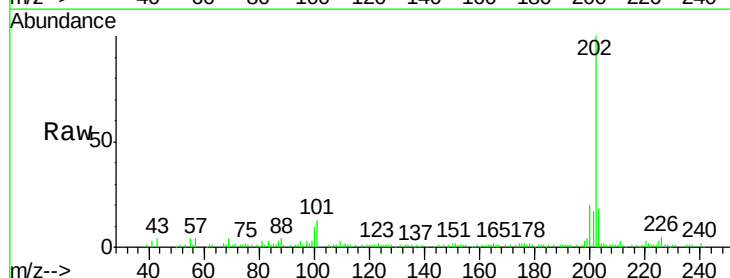
Tgt Ion:202 Resp: 72285

Ion Ratio Lower Upper

202 100

200 20.1 17.4 26.2

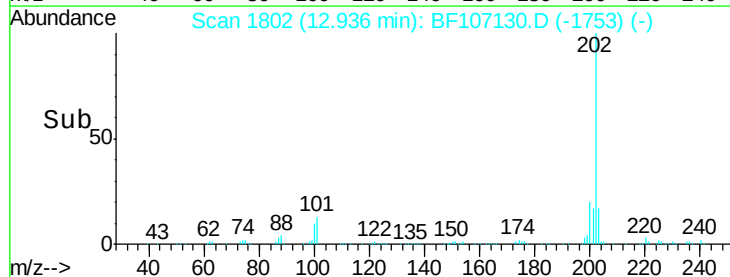
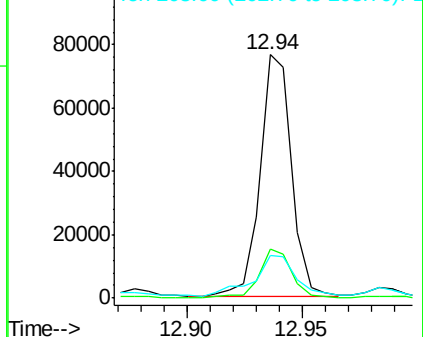
203 17.6 14.3 21.5

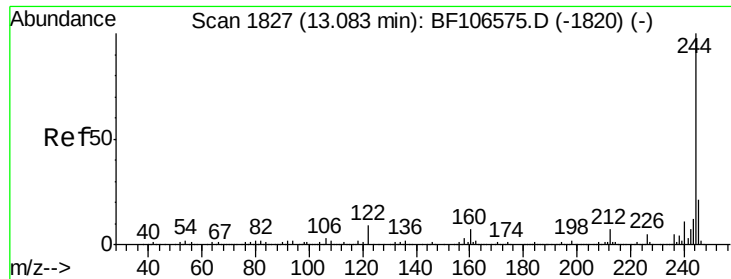


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 68.514 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

B-8

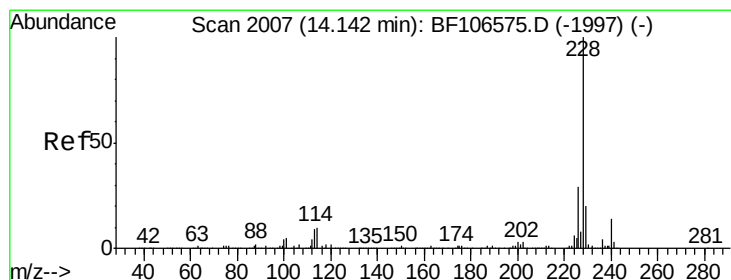
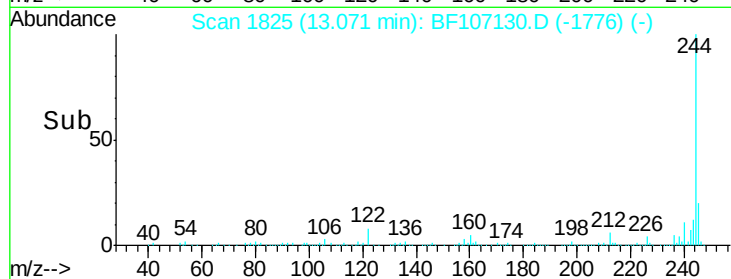
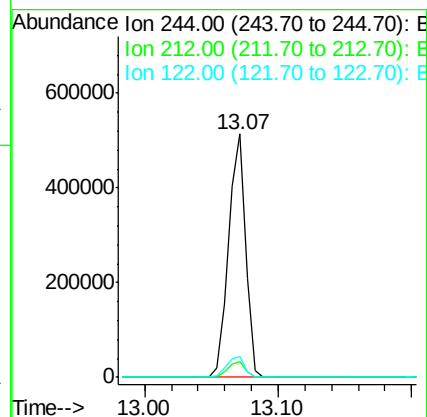
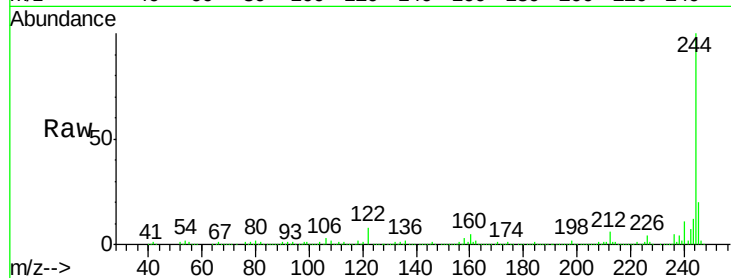
Tgt Ion:244 Resp: 467944

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 8.5 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 4.473 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

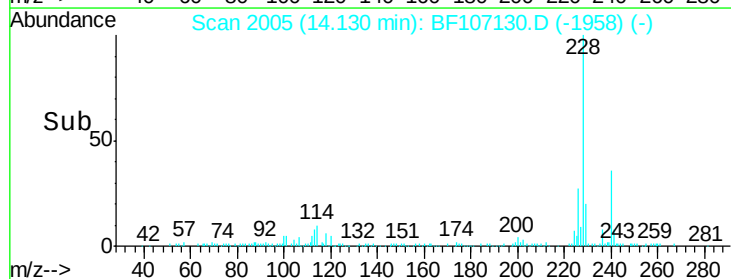
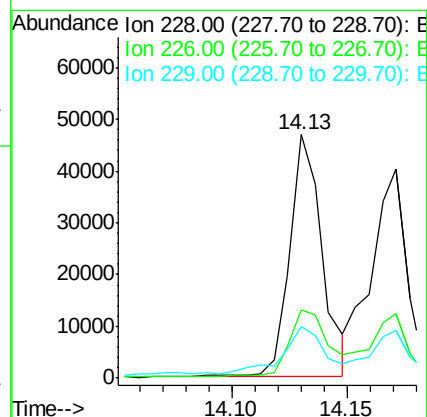
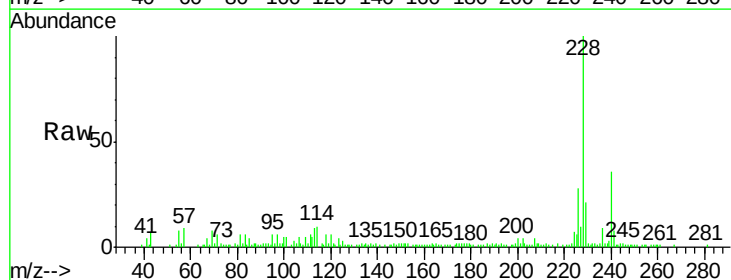
Tgt Ion:228 Resp: 45097

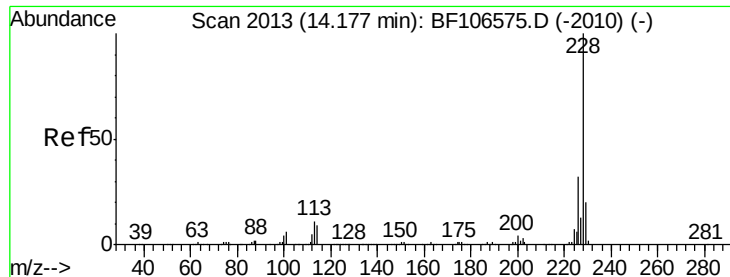
Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

229 21.2 15.8 23.6





#82

Chrysene

Concen: 4.652 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

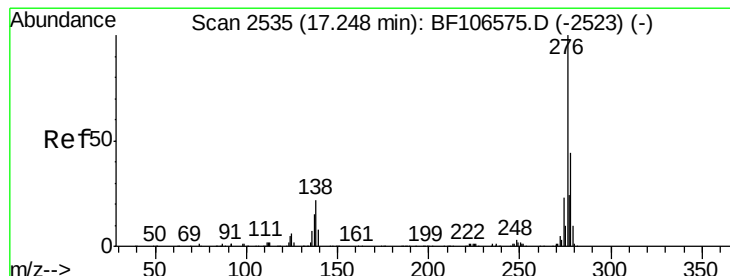
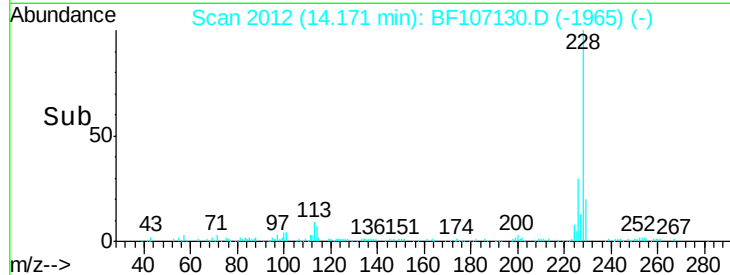
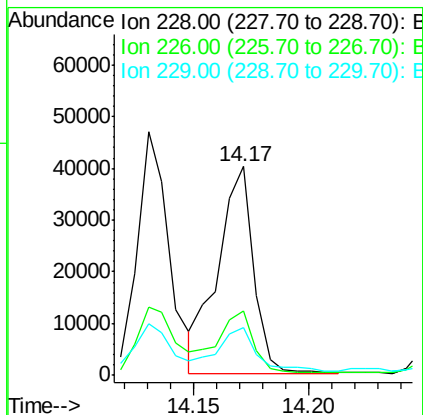
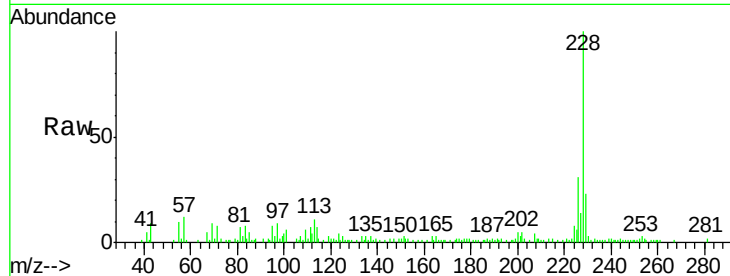
Instrument :

BNA_F

ClientSampleId :

B-8

Tgt Ion:	228	Resp:	43157
Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.1	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.463 ng

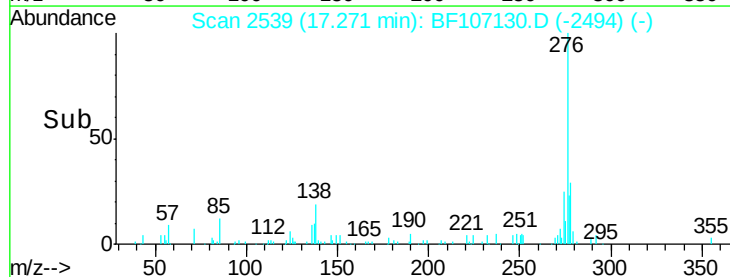
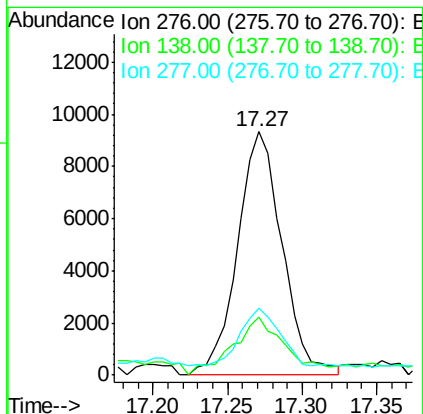
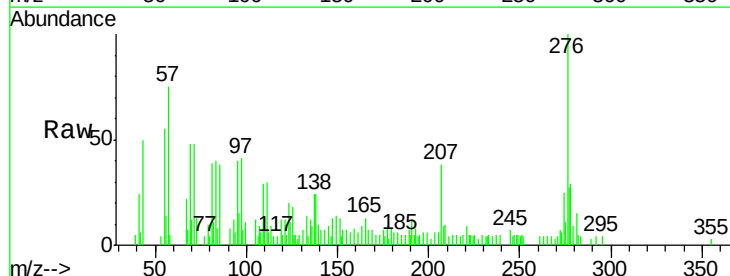
RT: 17.27 min Scan# 2539

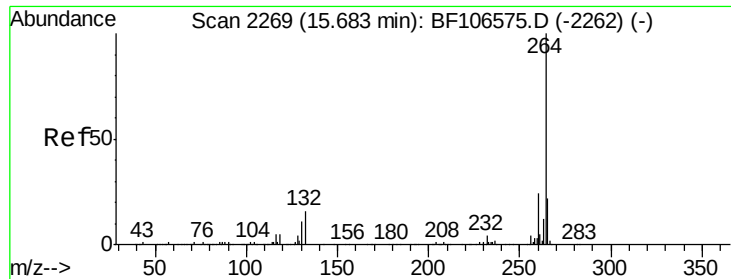
Delta R.T. -0.04 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

Tgt Ion:	276	Resp:	19390
Ion	Ratio	Lower	Upper
276	100		
138	28.1	25.0	37.6
277	22.6	20.1	30.1

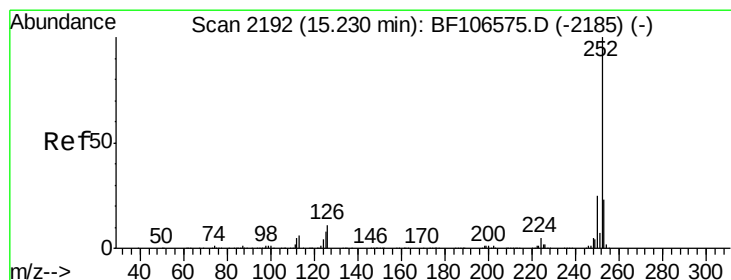
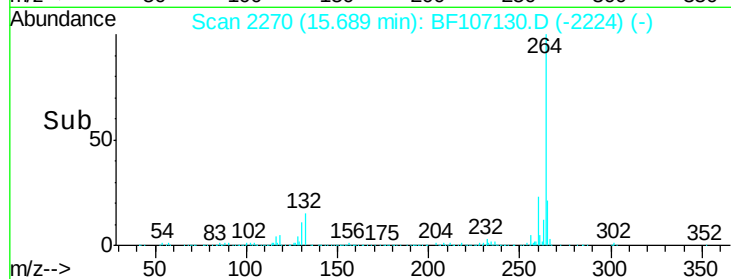
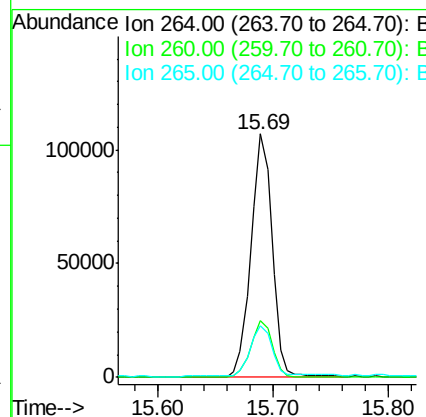
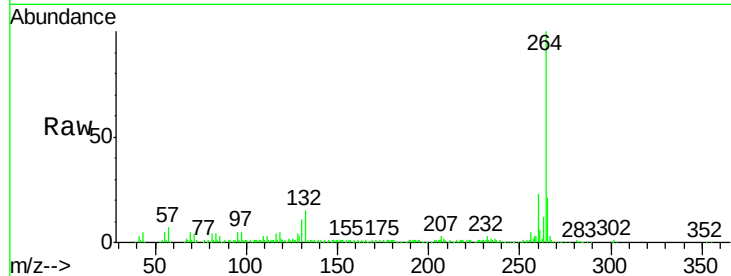




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

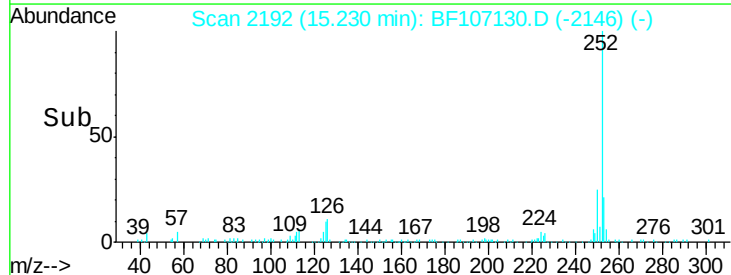
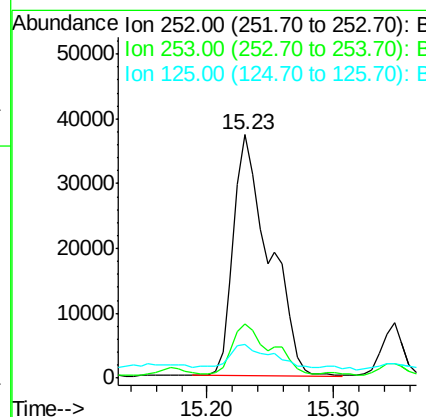
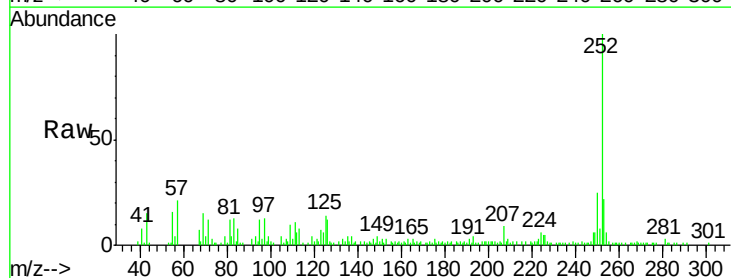
Instrument :
BNA_F
ClientSampled :
B-8

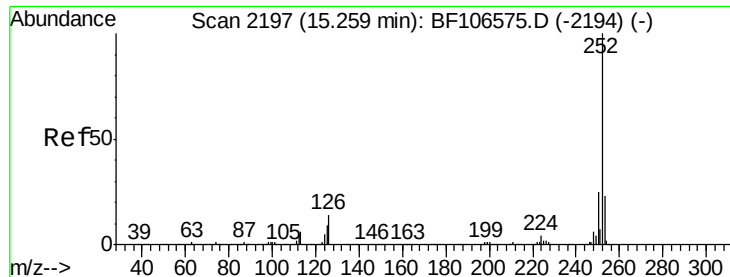
Tgt Ion:264 Resp: 137661
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.3 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 8.532 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Tgt Ion:252 Resp: 72962
Ion Ratio Lower Upper
252 100
253 22.0 17.0 25.6
125 13.9 9.0 13.6#

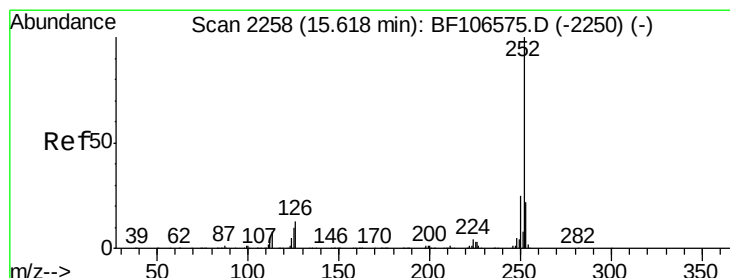
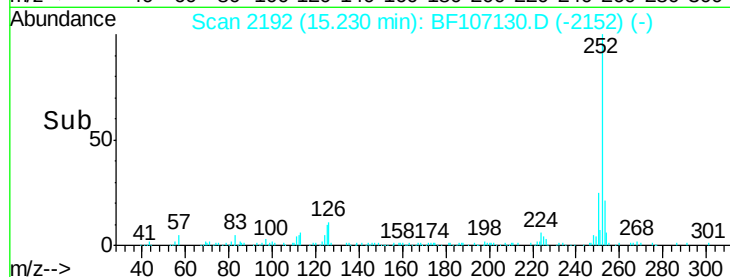
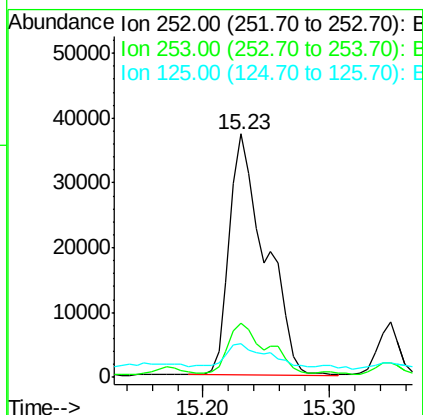
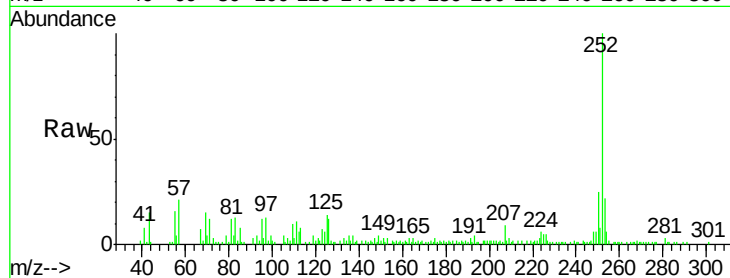




#88
Benzo(k)fluoranthene
Concen: 8.960 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

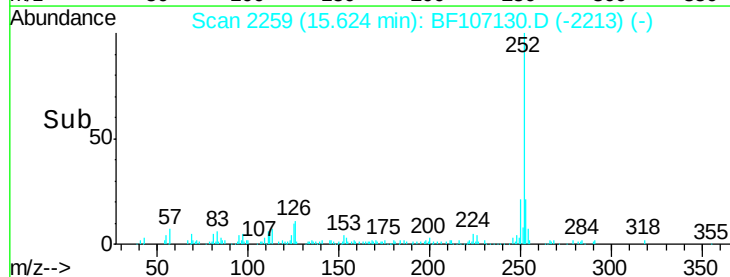
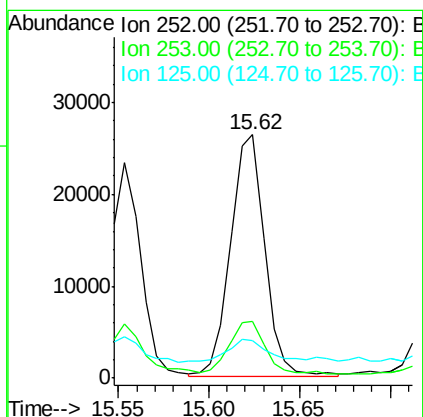
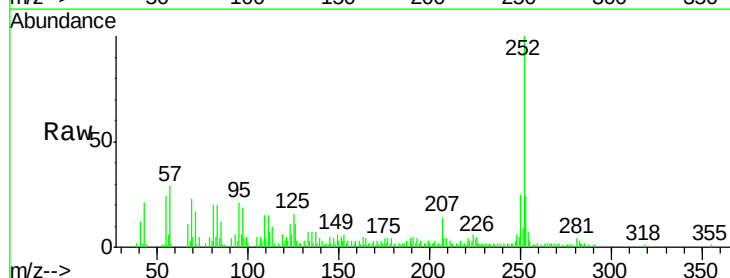
Instrument :
BNA_F
ClientSampleId :
B-8

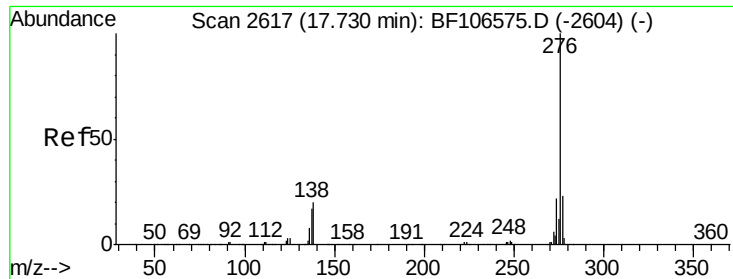
Tgt Ion:252 Resp: 72962
Ion Ratio Lower Upper
252 100
253 22.0 17.9 26.9
125 13.9 10.2 15.2



#89
Benzo(a)pyrene
Concen: 4.572 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107130.D
Acq: 5 Jul 2018 16:46

Tgt Ion:252 Resp: 34753
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 15.6 9.8 14.6#





#91

Benzo(g,h,i)perylene

Concen: 2.763 ng

RT: 17.76 min Scan# 2622

Delta R.T. -0.03 min

Lab File: BF107130.D

Acq: 5 Jul 2018 16:46

Instrument :

BNA_F

ClientSampleId :

B-8

Tgt Ion: 276 Resp: 17400

Ion Ratio Lower Upper

276 100

277 28.2 17.9 26.9#

138 19.9 21.8 32.8#

