

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107025.D
 Acq On : 30 Jun 2018 19:57
 Operator : JU/SJ
 Sample : J3629-15 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 04:07:11 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

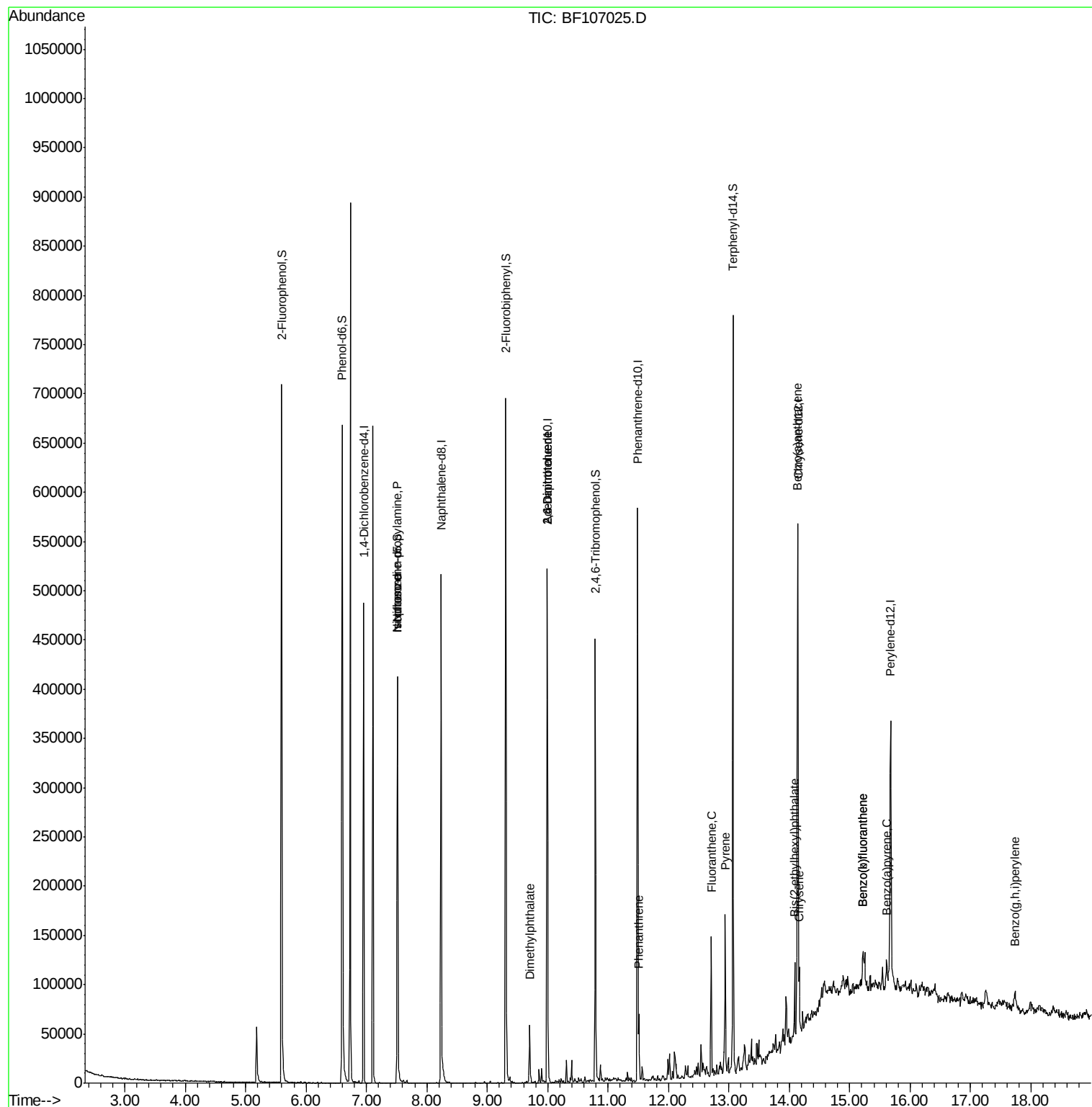
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	71334	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	251512	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	109069	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	222363	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	193784	20.00	ng	-0.02
86) Perylene-d12	15.68	264	134671	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	219431	52.09	ng	0.00
7) Phenol-d6	6.60	99	262675	49.93	ng	-0.02
23) Nitrobenzene-d5	7.51	82	141071	31.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	64904	51.34	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	233327	25.96	ng	-0.02
78) Terphenyl-d14	13.07	244	283052	35.38	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	18010	5.194	ng	# 75
25) Isophorone	7.51	82	141069	17.689	ng	# 64
49) Dimethylphthalate	9.70	163	27560	3.369	ng	97
50) 2,6-Dinitrotoluene	10.00	165	13612	7.858	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	13612	6.020	ng	# 21
70) Phenanthrene	11.51	178	26742	2.493	ng	99
74) Fluoranthene	12.71	202	56588	4.787	ng	94
77) Pyrene	12.94	202	64276	5.030	ng	99
80) Benzo(a)anthracene	14.13	228	25484	2.158	ng	# 90
82) Chrysene	14.17	228	27731	2.552	ng	94
83) Bis(2-ethylhexyl)phthalate	14.09	149	20034	2.983	ng	# 95
87) Benzo(b)fluoranthene	15.22	252	28250	3.377	ng	# 90
88) Benzo(k)fluoranthene	15.22	252	29733	3.732	ng	# 93
89) Benzo(a)pyrene	15.61	252	15711	2.113	ng	97
91) Benzo(a,h,i)perylene	17.74	276	13744	2.231	ng	98

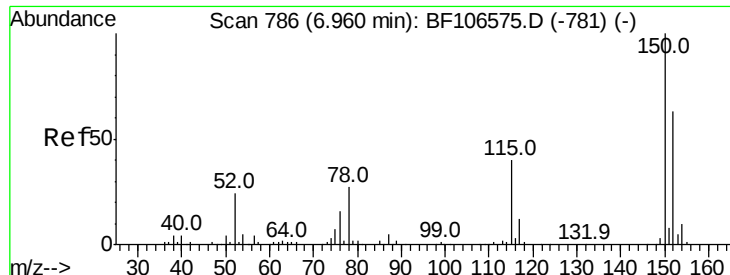
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
Data File : BF107025.D
Acq On : 30 Jun 2018 19:57
Operator : JU/SJ
Sample : J3629-15 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jul 02 04:07:11 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



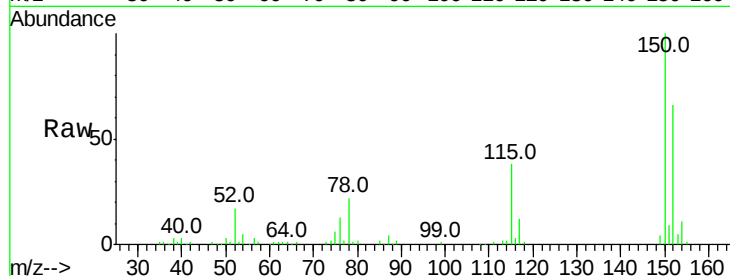


#1

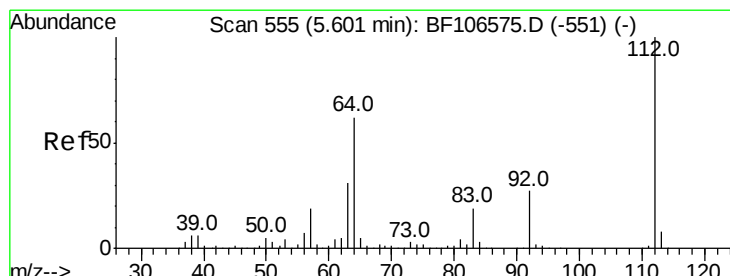
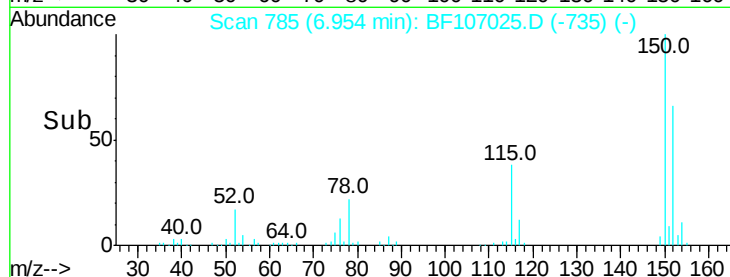
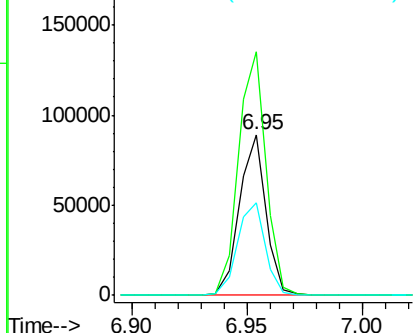
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 71334
Ion Ratio Lower Upper
152 100
150 151.6 124.6 186.8
115 57.5 50.1 75.1



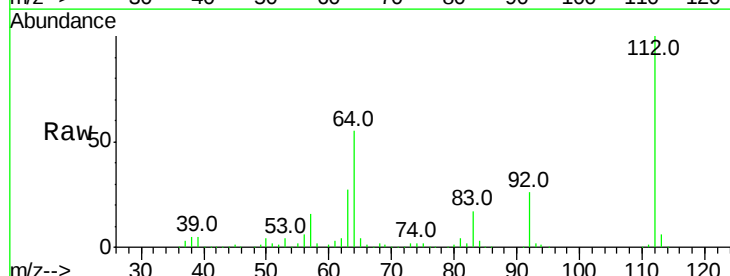
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



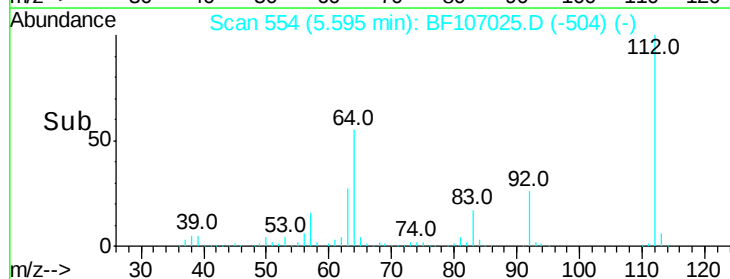
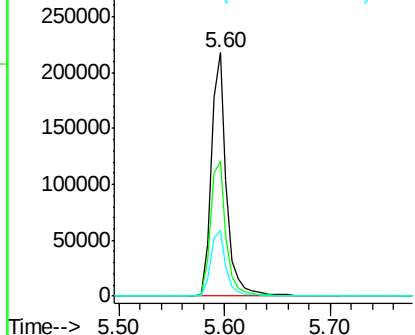
#5

2-Fluorophenol
Concen: 52.088 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Tgt Ion:112 Resp: 219431
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 27.2 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: 49.930 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107025.D

Acq: 30 Jun 2018 19:57

Instrument :

BNA_F

ClientSampleId :

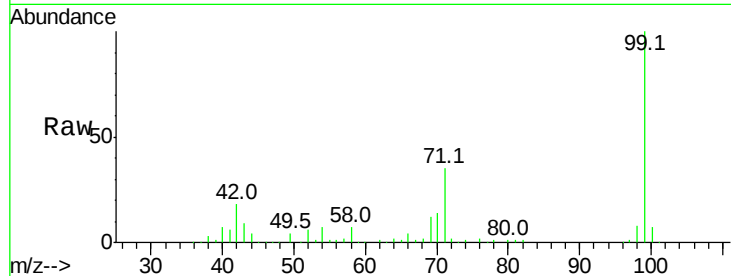
Tot Ion: 99 Resp: 262675

Ion Ratio Lower Upper

99 100

42 17.6 14.5 21.7

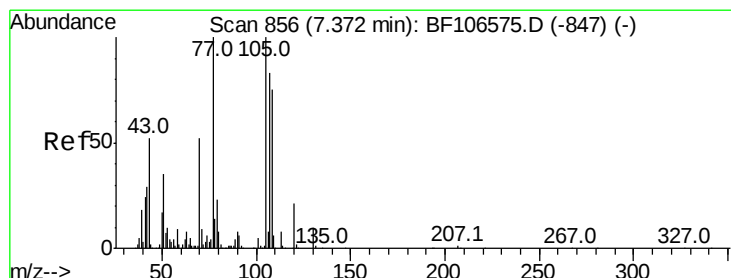
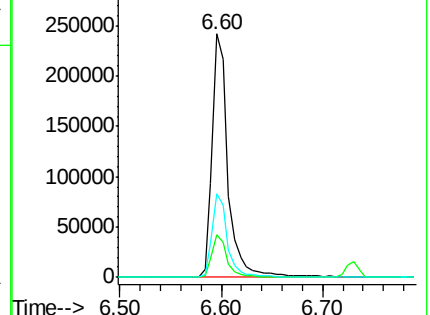
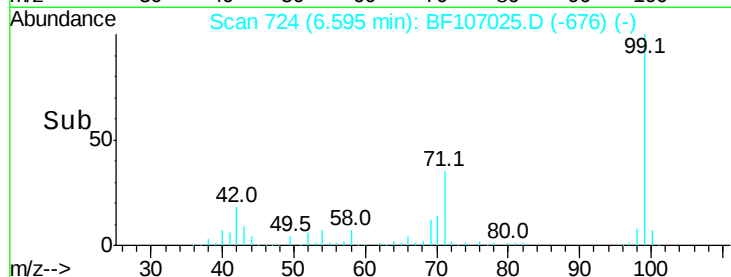
71 34.6 25.4 38.0



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: 5.194 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107025.D

Acq: 30 Jun 2018 19:57

Tgt Ion: 70 Resp: 18010

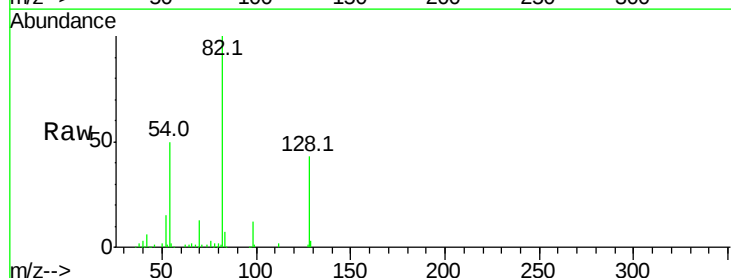
Ion Ratio Lower Upper

70 100

42 45.3 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

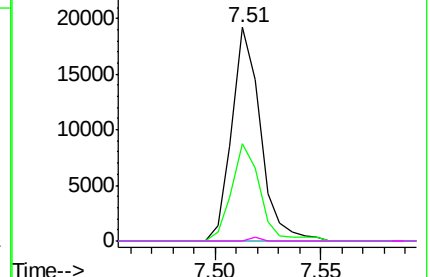
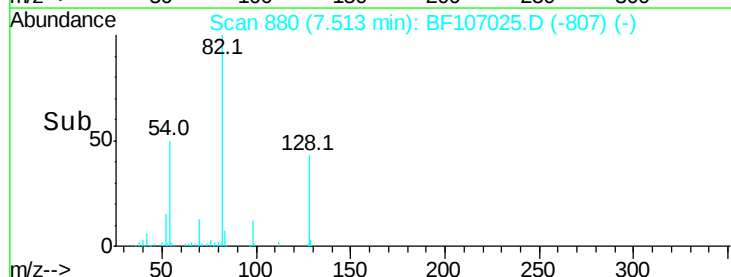


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

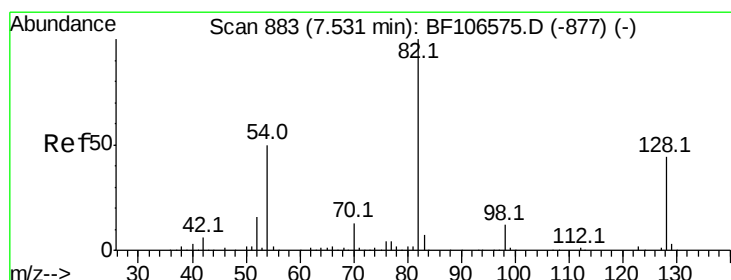
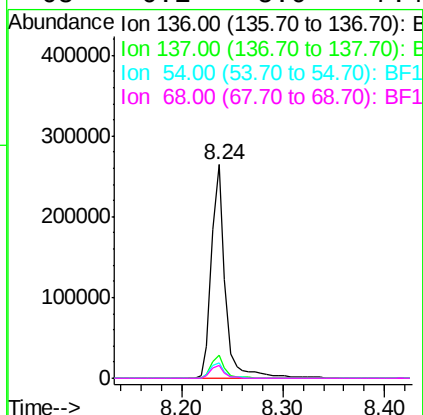
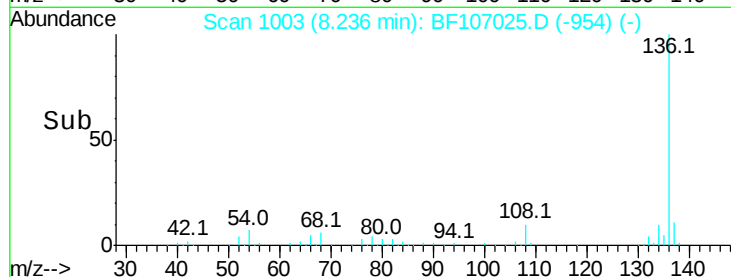
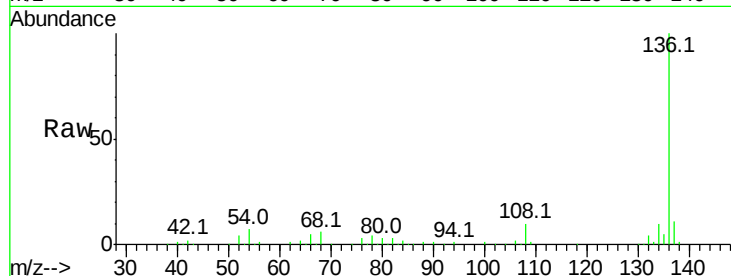




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

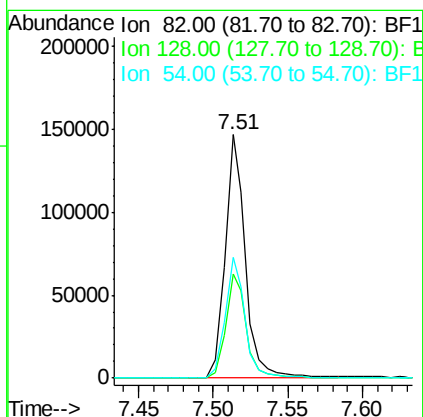
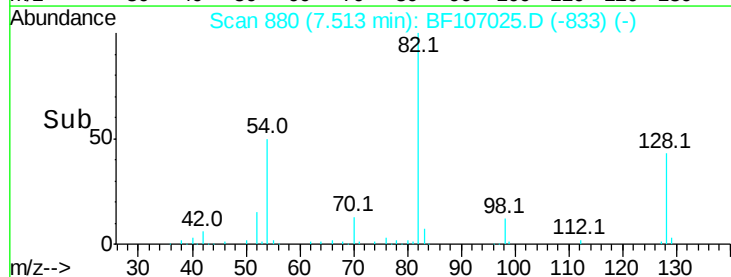
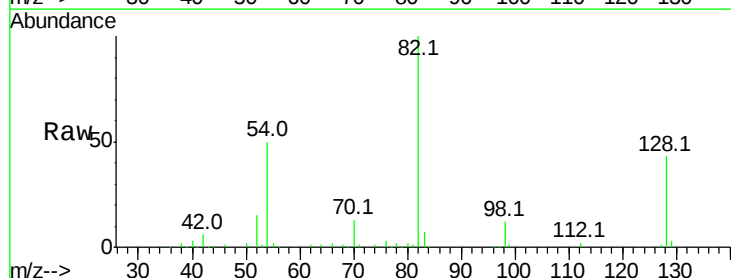
Instrument :
BNA_F
ClientSampleId :

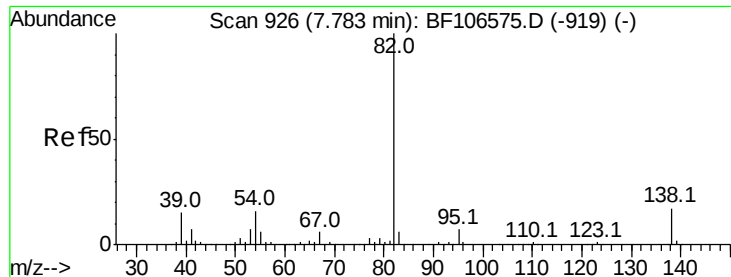
Tot Ion:	136	Resp:	251512
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.2	6.6	9.8
68	6.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 31.171 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Tgt Ion:	82	Resp:	141071
Ion	Ratio	Lower	Upper
82	100		
128	42.9	36.1	54.1
54	49.5	41.4	62.2





#25

Isophorone

Concen: 17.689 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107025.D

Acq: 30 Jun 2018 19:57

Instrument :

BNA_F

ClientSampled :

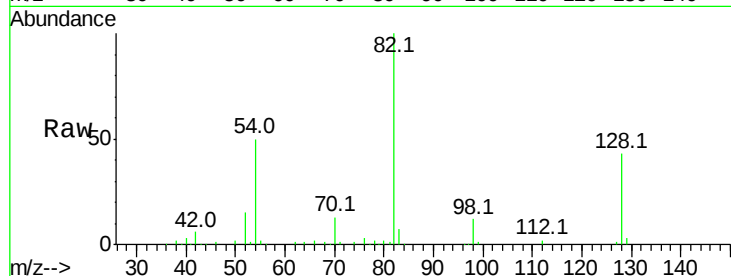
Tot Ion: 82 Resp: 141069

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

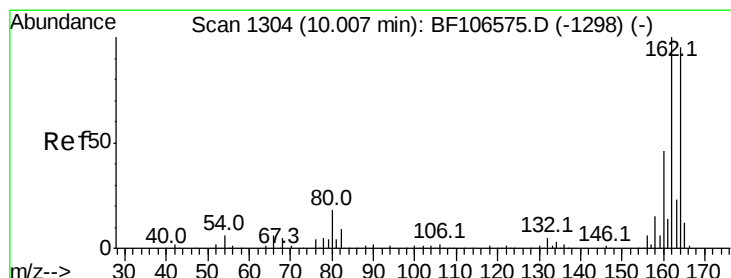
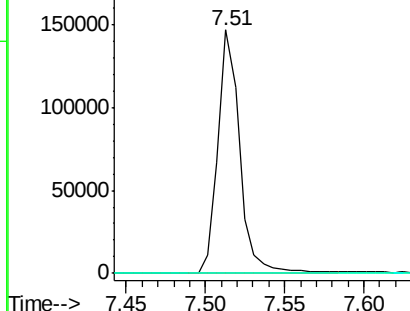
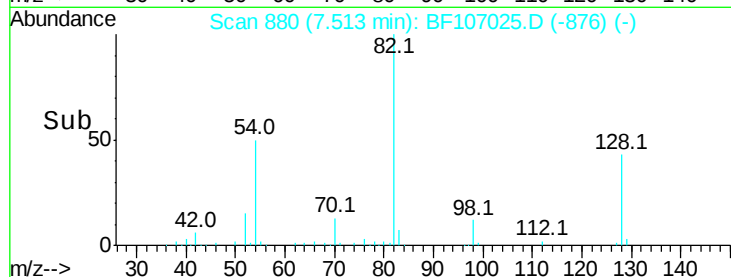
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF107025.D

Acq: 30 Jun 2018 19:57

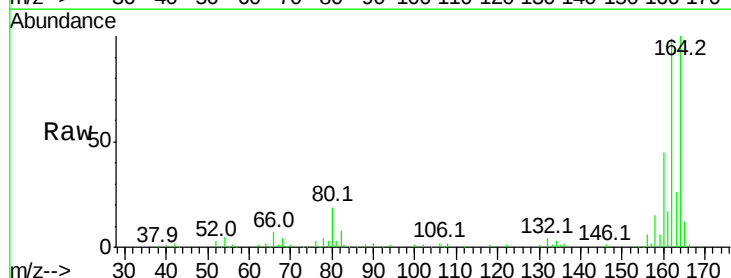
Tgt Ion:164 Resp: 109069

Ion Ratio Lower Upper

164 100

162 98.6 86.1 129.1

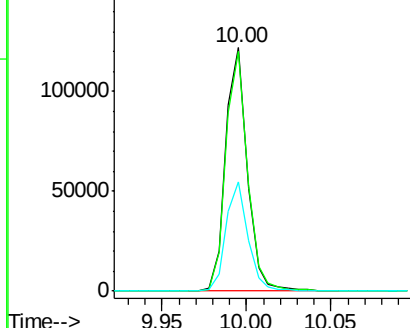
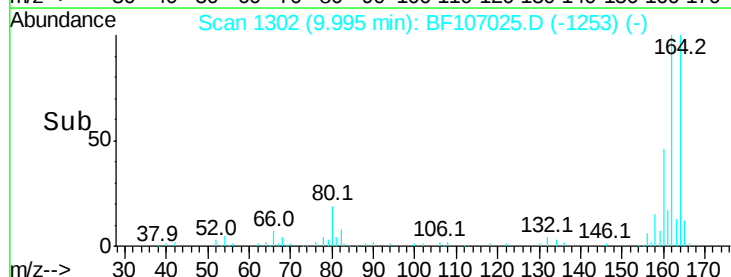
160 45.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

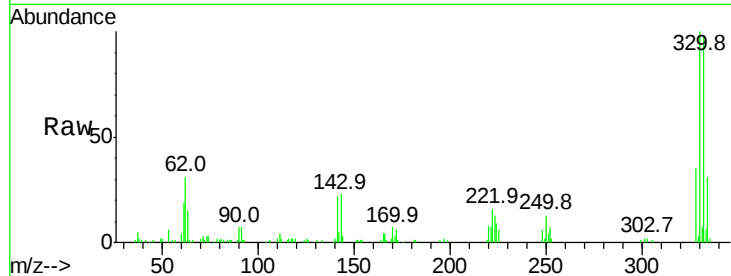




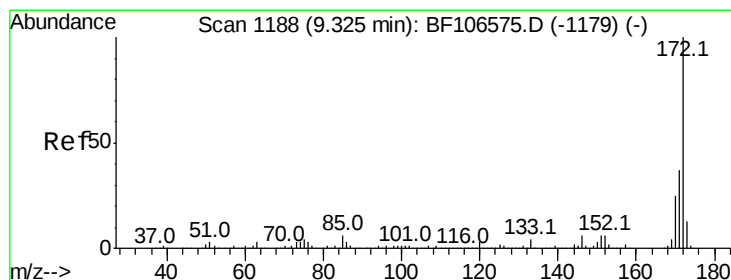
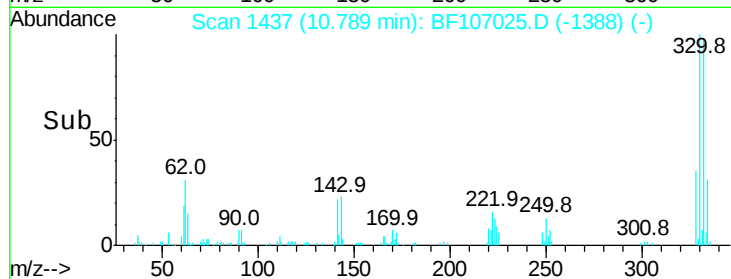
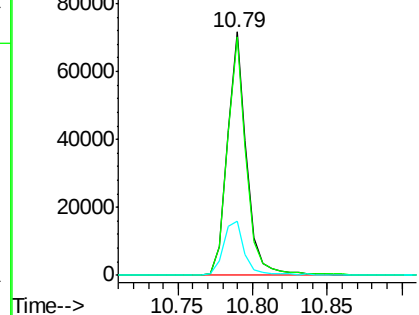
#41
 2,4,6-Tribromophenol
 Concen: 51.342 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107025.D
 Acq: 30 Jun 2018 19:57

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	330	332	141	Ratio	Lower	Upper
330	100					
332	98.0			77.0	115.6	
141	24.6			29.9	44.9	

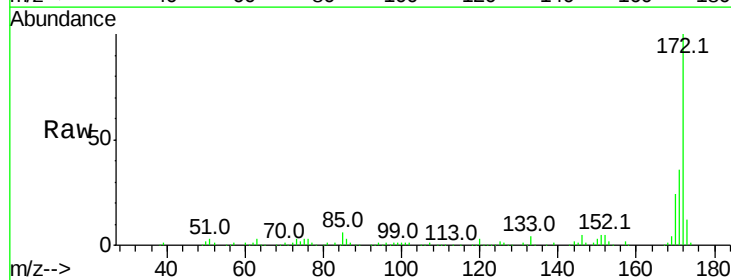


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

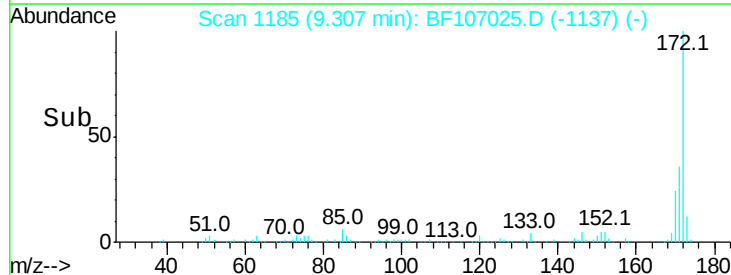
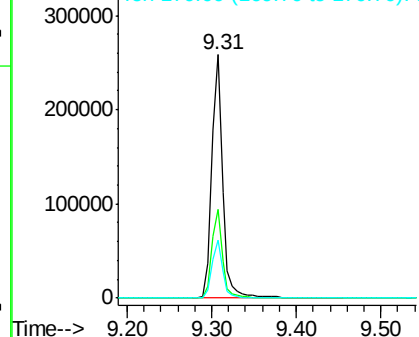


#44
 2-Fluorobiphenyl
 Concen: 25.964 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107025.D
 Acq: 30 Jun 2018 19:57

Tgt Ion	172	171	170	Ratio	Lower	Upper
172	100					
171	36.3			29.7	44.5	
170	23.6			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

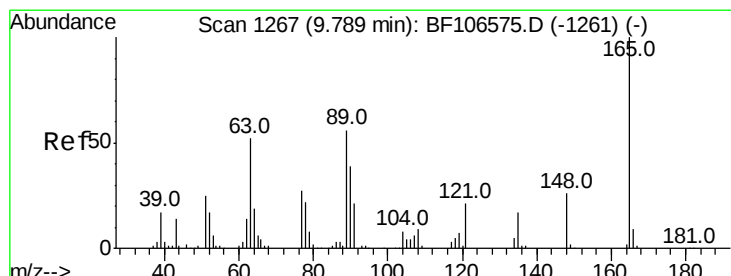
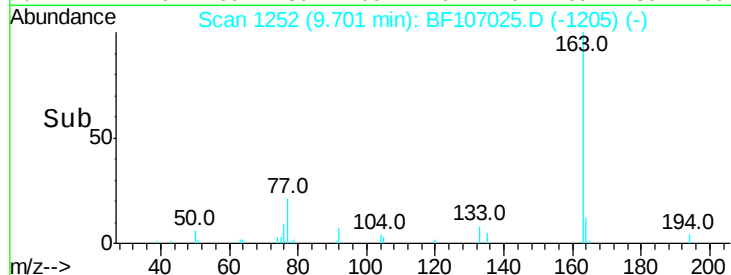
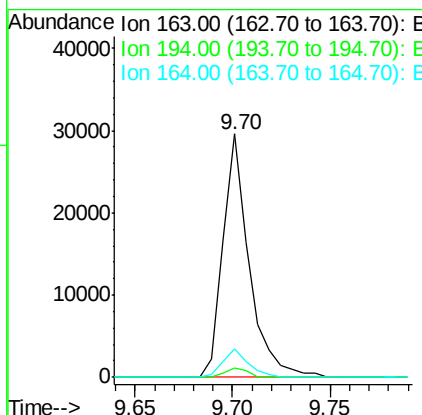
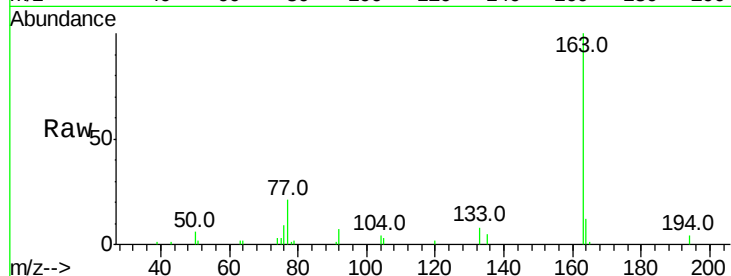




#49
Dimethylphthalate
Concen: 3.369 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

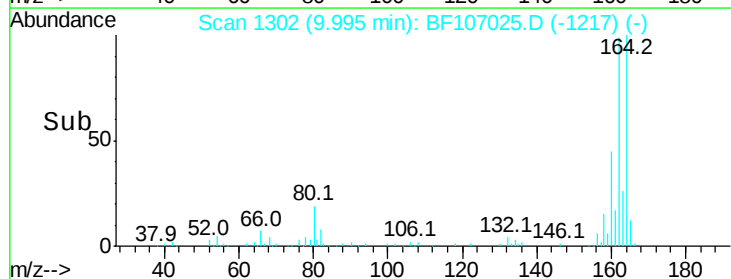
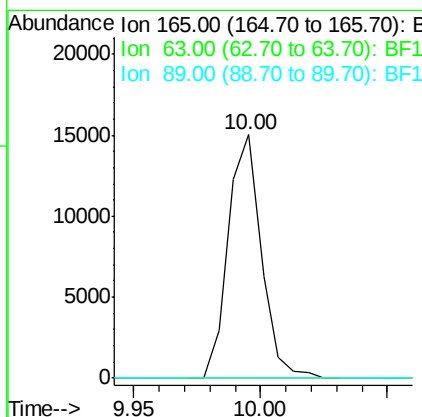
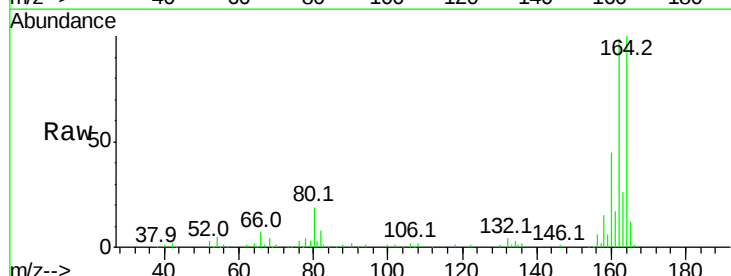
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 27560
Ion Ratio Lower Upper
163 100
194 4.1 2.7 4.1
164 11.5 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.858 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.20 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Tgt Ion:165 Resp: 13612
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 0.0 44.0 66.0#

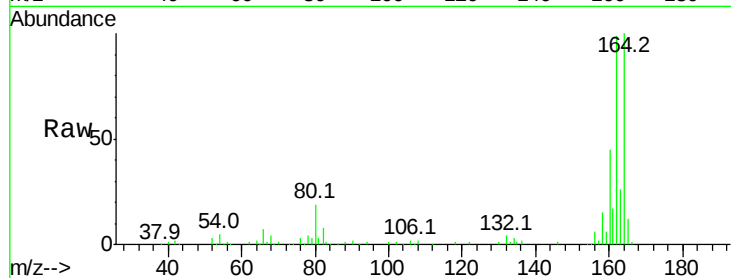




#56
 2,4-Dinitrotoluene
 Concen: 6.020 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107025.D
 Acq: 30 Jun 2018 19:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#

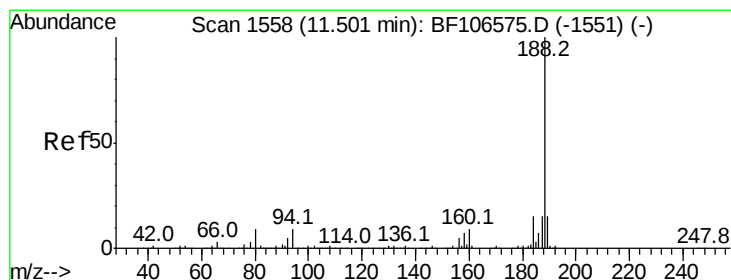
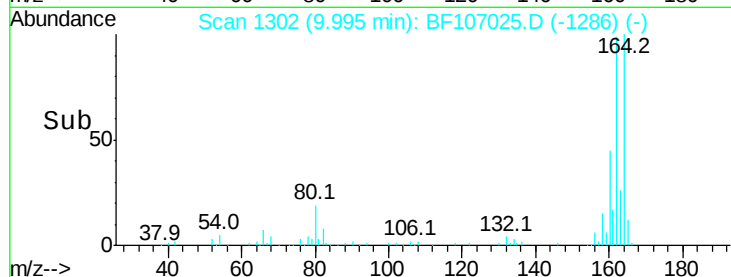
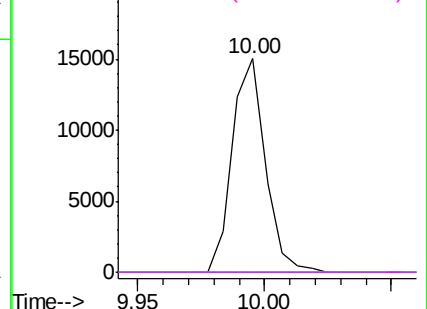


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

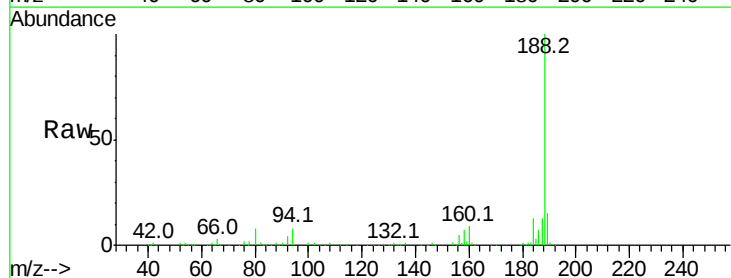
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107025.D
 Acq: 30 Jun 2018 19:57

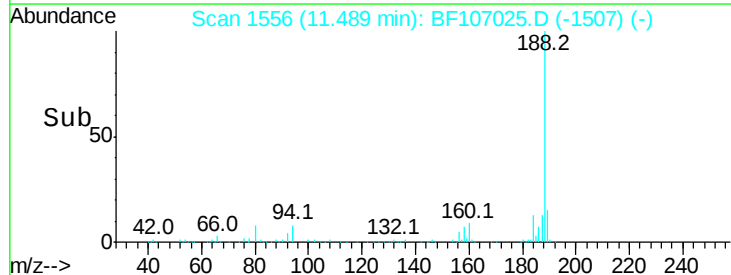
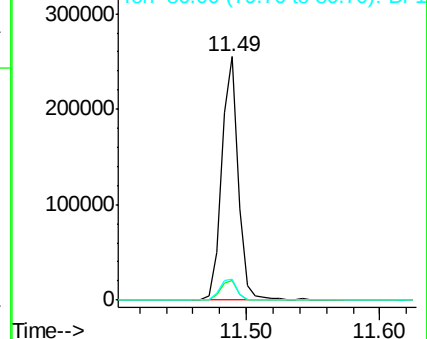
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	8.5	12.7#
80	8.4	9.2	13.8#

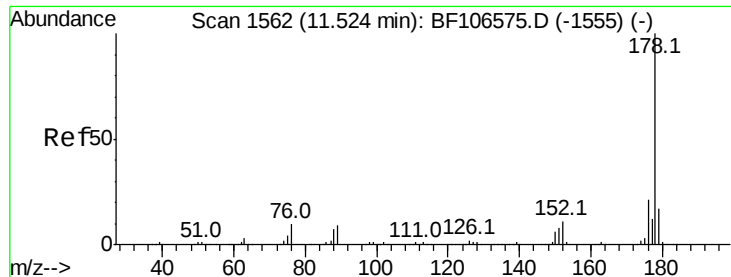


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

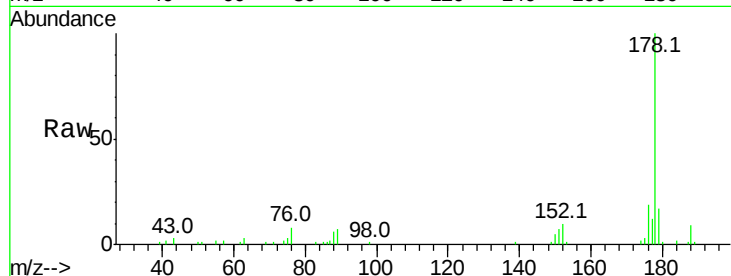




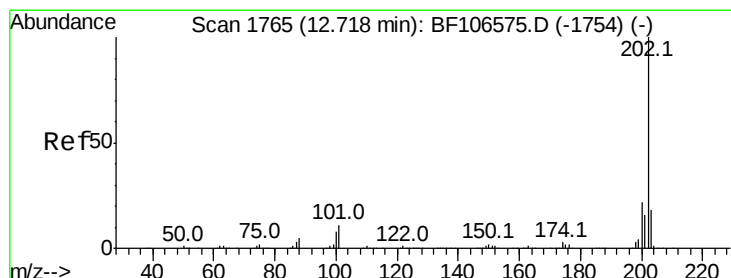
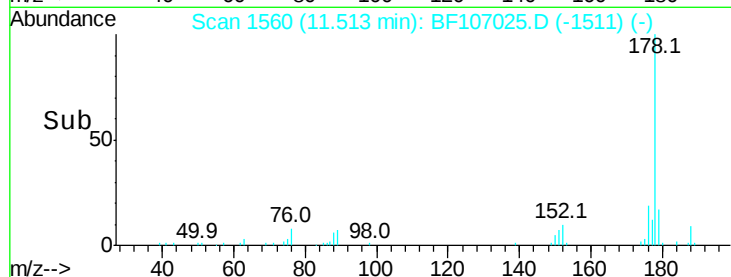
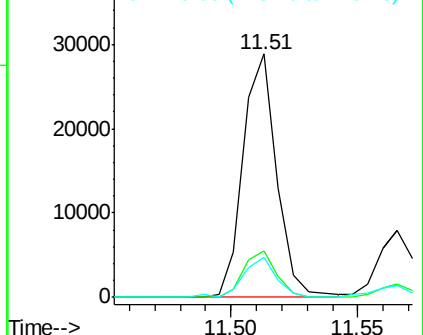
#70
Phenanthrene
Concen: 2.493 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 26742
Ion Ratio Lower Upper
178 100
176 19.0 15.8 23.8
179 16.6 13.0 19.6

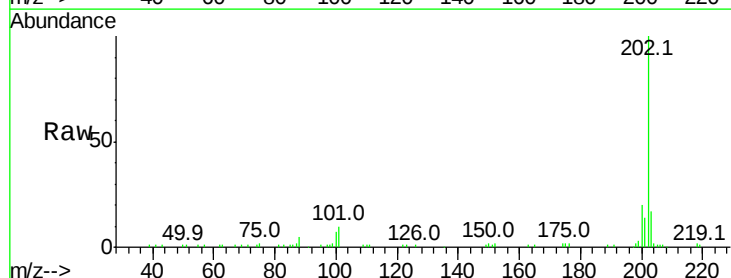


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

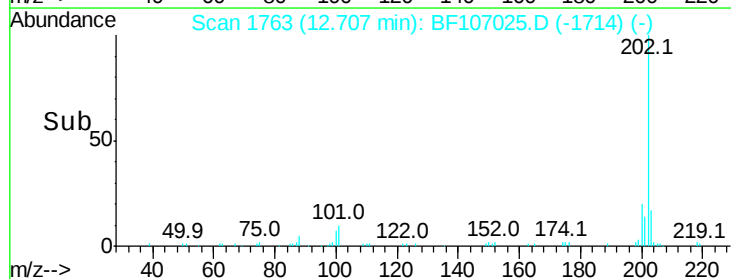
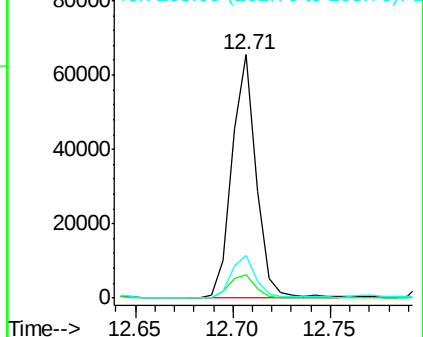


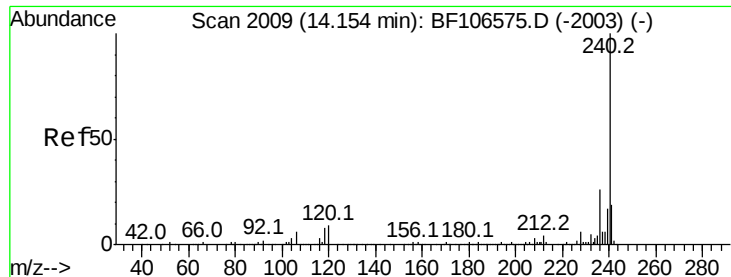
#74
Fluoranthene
Concen: 4.787 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Tgt Ion:202 Resp: 56588
Ion Ratio Lower Upper
202 100
101 9.5 0.0 34.1
203 17.4 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: BF107025.D

Acq: 30 Jun 2018 19:57

Instrument :

BNA_F

ClientSampled :

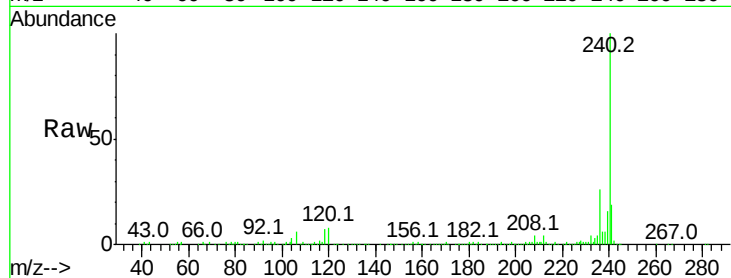
Tot Ion:240 Resp: 193784

Ion Ratio Lower Upper

240 100

120 8.5 9.5 14.3#

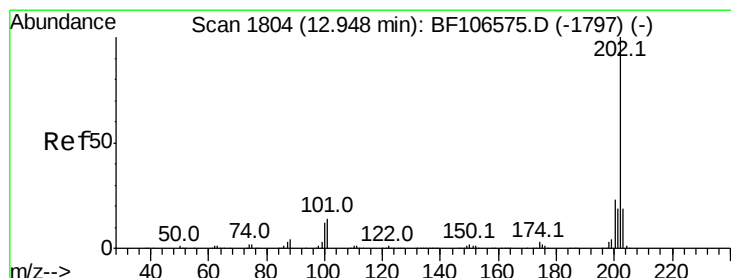
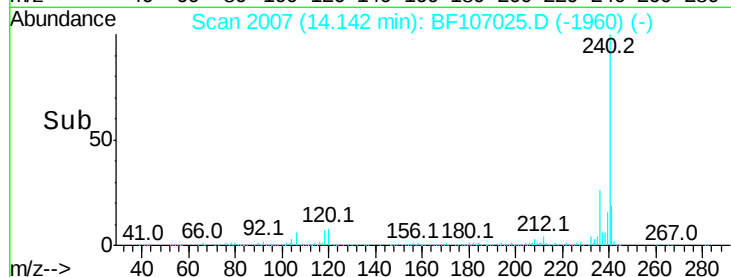
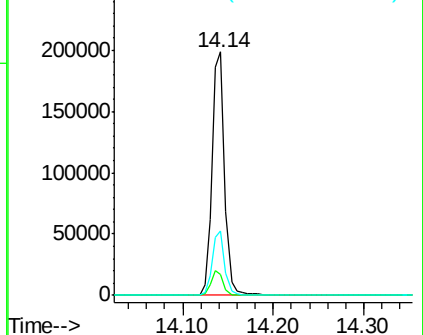
236 26.4 20.7 31.1



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: 5.030 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107025.D

Acq: 30 Jun 2018 19:57

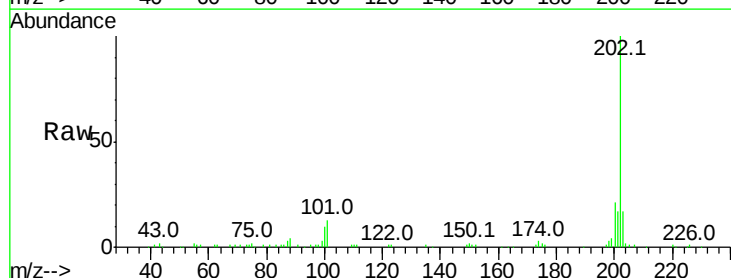
Tgt Ion:202 Resp: 64276

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

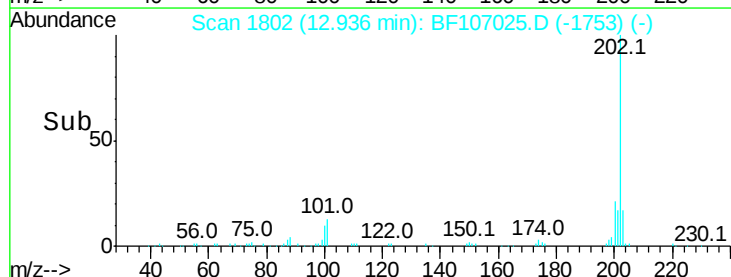
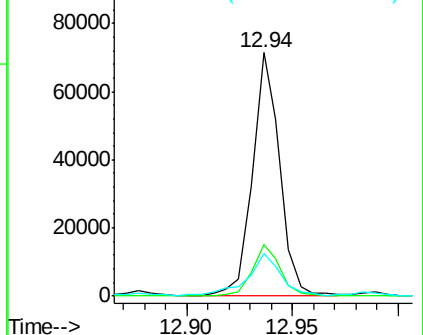
203 17.5 14.3 21.5

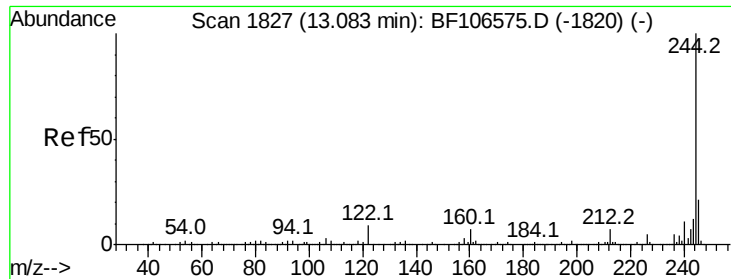


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 35.381 ng

RT: 13.07 min Scan# 1824

Delta R.T. -0.02 min

Lab File: BF107025.D

Acq: 30 Jun 2018 19:57

Instrument :

BNA_F

ClientSampleId :

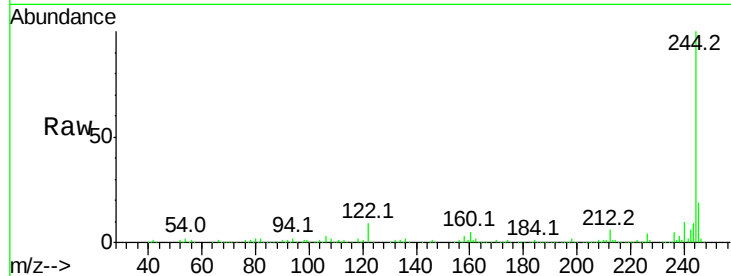
Tot Ion:244 Resp: 283052

Ion Ratio Lower Upper

244 100

212 6.2 5.4 8.0

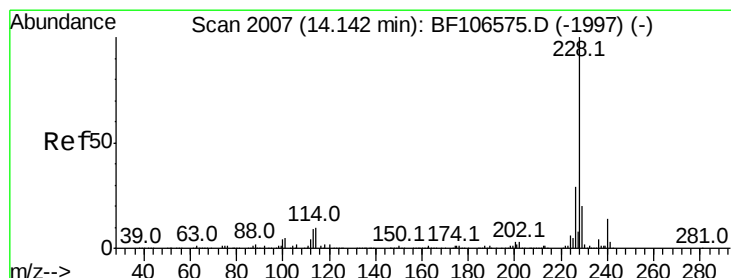
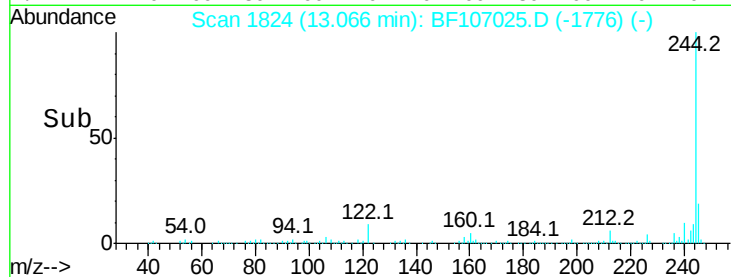
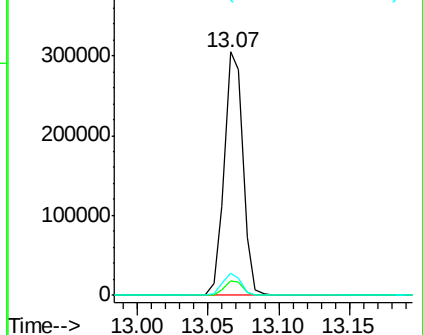
122 9.3 11.0 16.4#



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: 2.158 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF107025.D

Acq: 30 Jun 2018 19:57

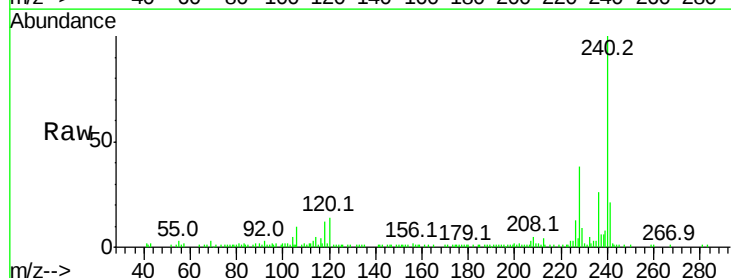
Tgt Ion:228 Resp: 25484

Ion Ratio Lower Upper

228 100

226 33.5 22.6 33.8

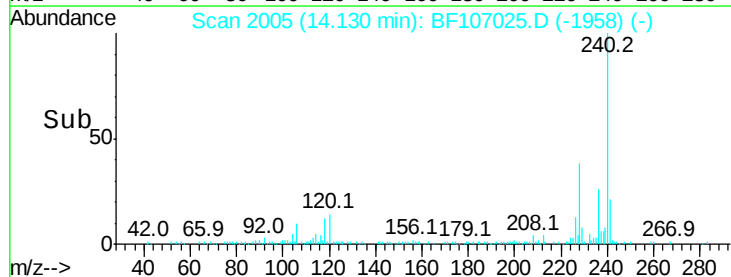
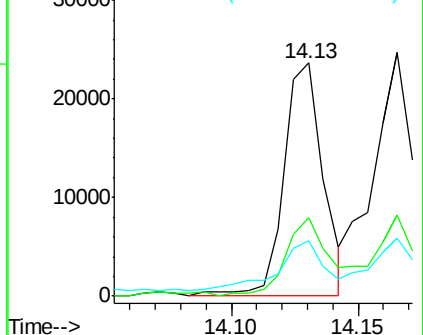
229 23.8 15.8 23.6#

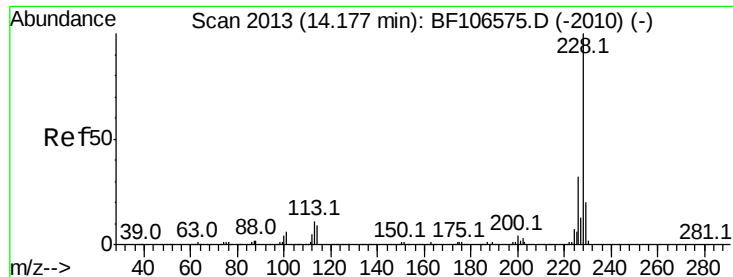


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

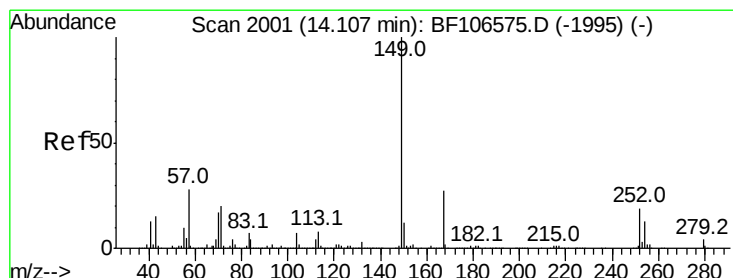
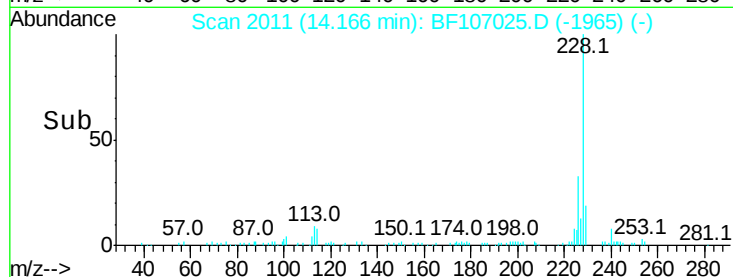
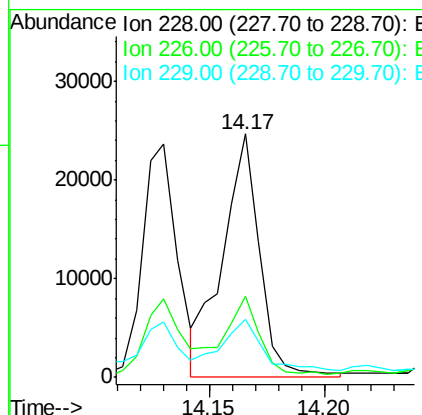
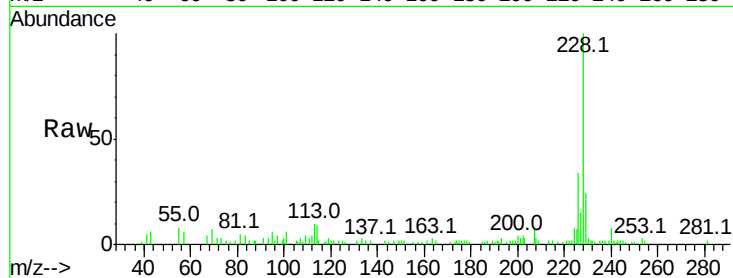




#82
 Chrysene
 Concen: 2.552 ng
 RT: 14.17 min Scan# 2011
 Delta R.T. -0.03 min
 Lab File: BF107025.D
 Acq: 30 Jun 2018 19:57

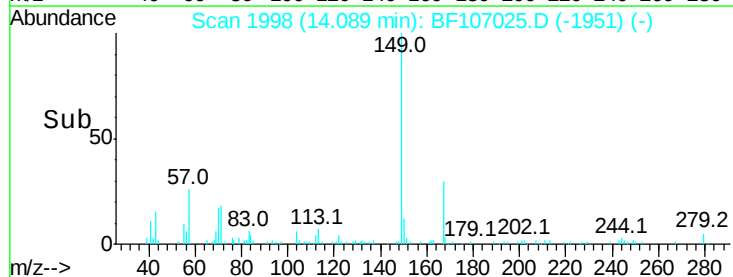
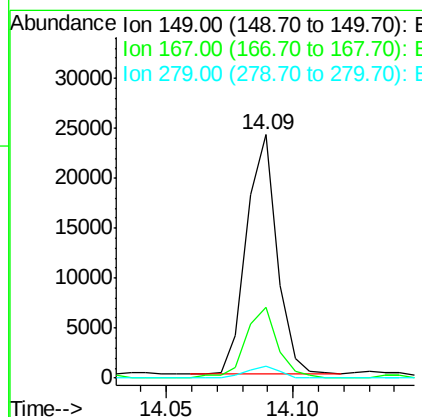
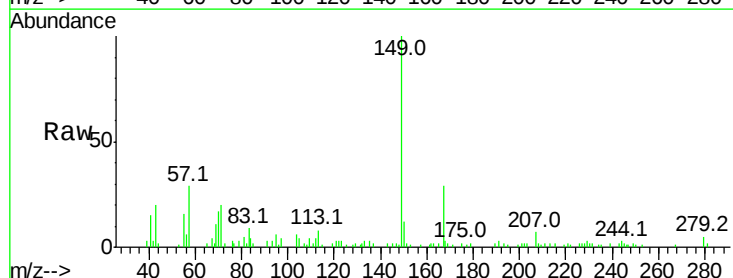
Instrument :
 BNA_F
 ClientSampleId :

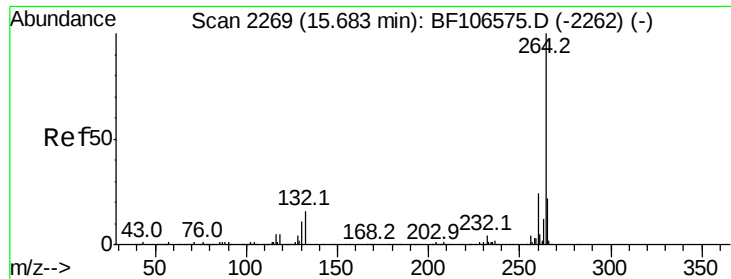
Tot Ion:228 Resp: 27731
 Ion Ratio Lower Upper
 228 100
 226 33.6 25.0 37.6
 229 24.0 16.2 24.4



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.983 ng
 RT: 14.09 min Scan# 1998
 Delta R.T. -0.02 min
 Lab File: BF107025.D
 Acq: 30 Jun 2018 19:57

Tgt Ion:149 Resp: 20034
 Ion Ratio Lower Upper
 149 100
 167 29.1 21.3 31.9
 279 5.0 3.0 4.4#

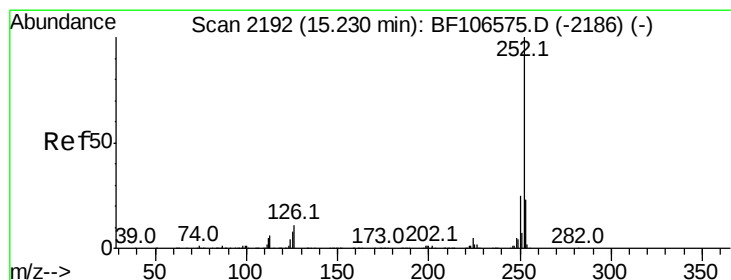
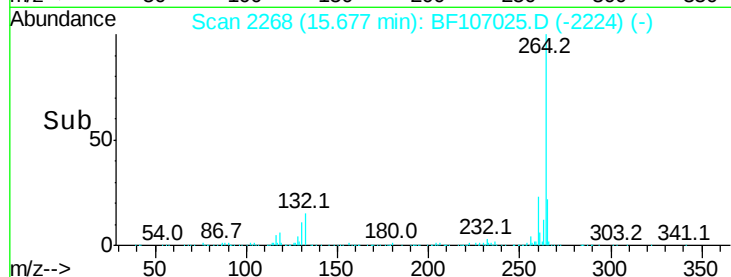
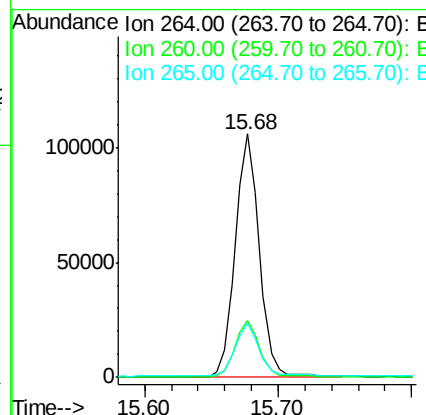
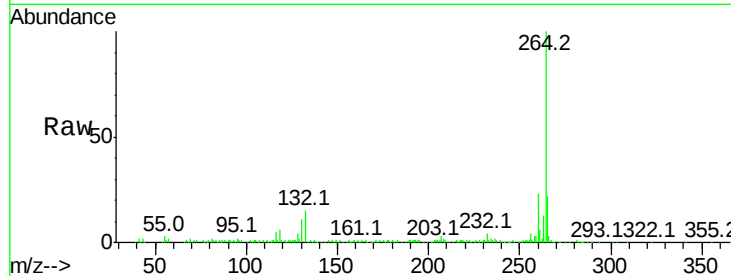




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

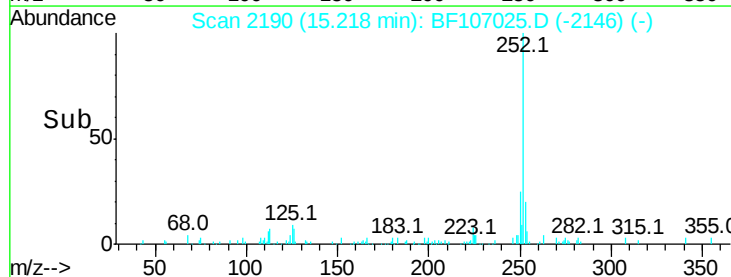
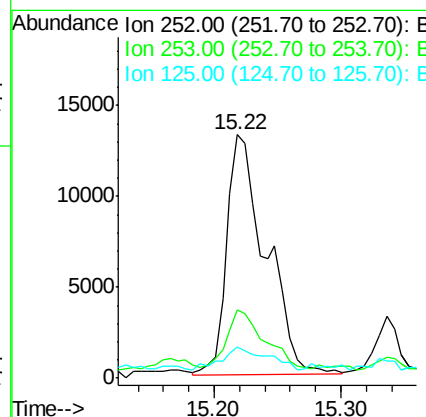
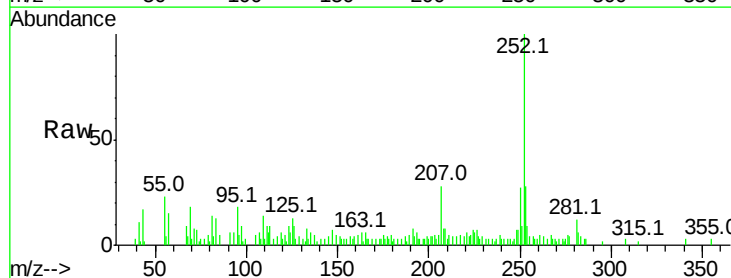
Instrument :
BNA_F
ClientSampled :

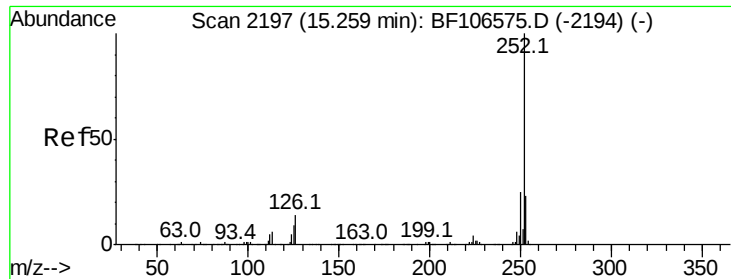
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.4	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 3.377 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.0	25.6#
125	12.6	9.0	13.6

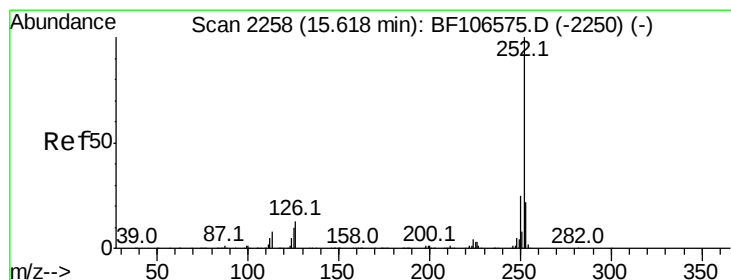
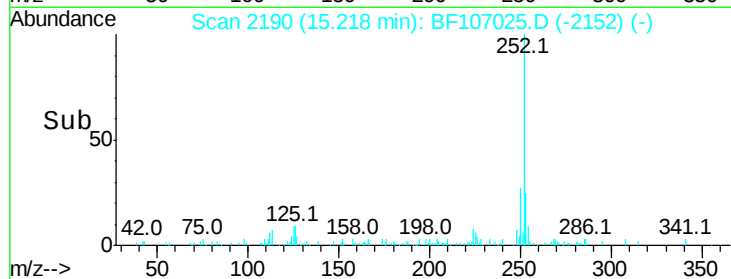
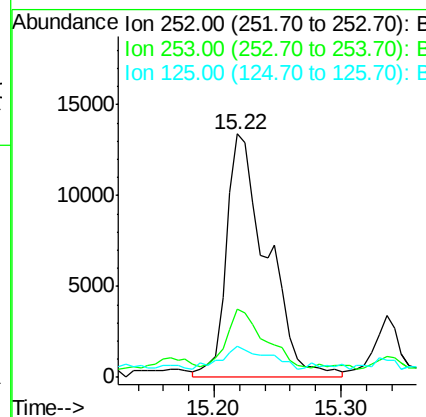
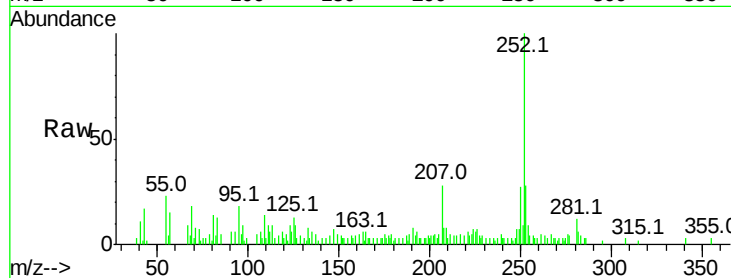




#88
Benzo(k)fluoranthene
Concen: 3.732 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.08 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

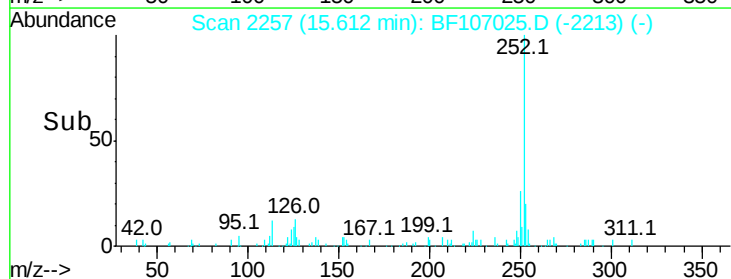
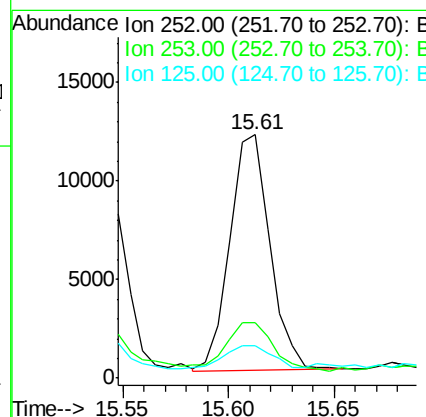
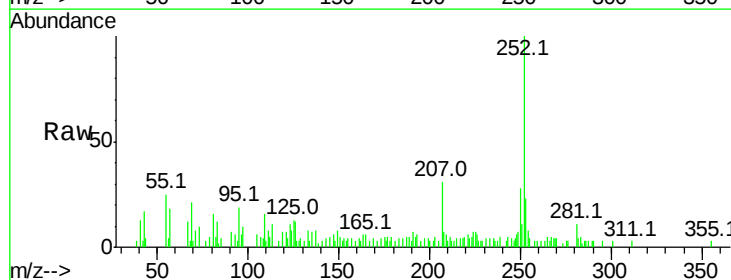
Instrument :
BNA_F
ClientSampleId :

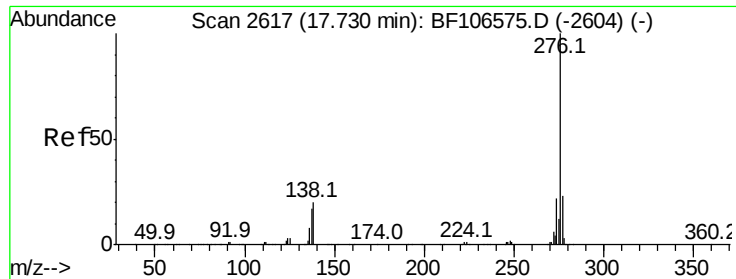
Tot Ion:252 Resp: 29733
Ion Ratio Lower Upper
252 100
253 27.9 17.9 26.9#
125 12.6 10.2 15.2



#89
Benzo(a)pyrene
Concen: 2.113 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107025.D
Acq: 30 Jun 2018 19:57

Tgt Ion:252 Resp: 15711
Ion Ratio Lower Upper
252 100
253 22.8 17.1 25.7
125 13.1 9.8 14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.231 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. -0.05 min
 Lab File: BF107025.D
 Acq: 30 Jun 2018 19:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.5	17.9	26.9
138	25.3	21.8	32.8

