

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107027.D
 Acq On : 30 Jun 2018 20:51
 Operator : JU/SJ
 Sample : J3638-03 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 04:07:35 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

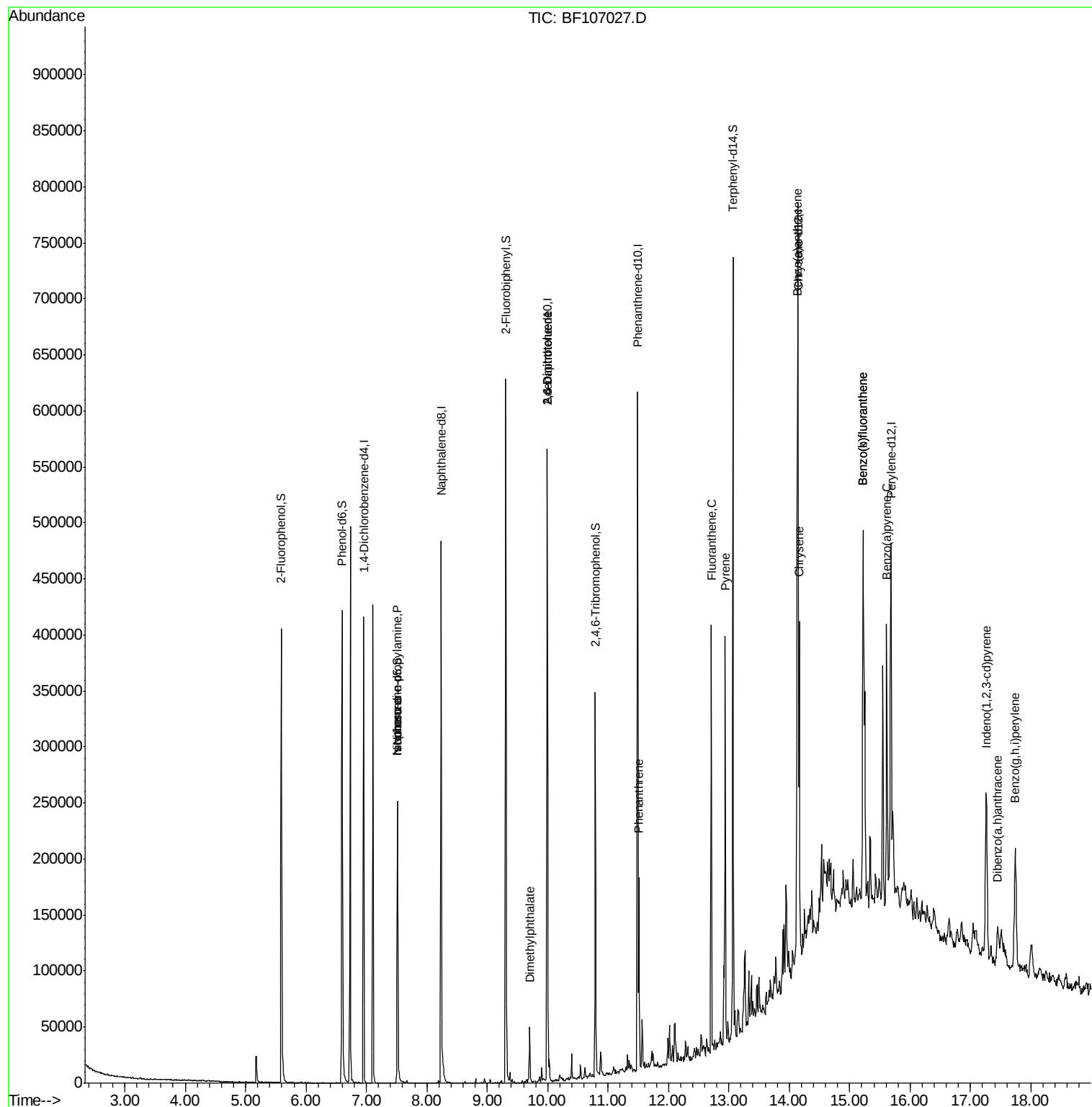
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	61129	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	233205	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	114110	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	226679	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	209850	20.00	ng	-0.02
86) Perylene-d12	15.68	264	177116	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	121731	33.72	ng	-0.01
7) Phenol-d6	6.60	99	155898	34.58	ng	-0.02
23) Nitrobenzene-d5	7.51	82	86033	20.50	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	47911	36.23	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	203323	18.64	ng	-0.02
78) Terphenyl-d14	13.07	244	258506	29.84	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.51	70	11163	3.756	ng	# 74
25) Isophorone	7.51	82	86048	11.637	ng	# 64
49) Dimethylphthalate	9.70	163	21968	2.567	ng	# 95
50) 2,6-Dinitrotoluene	10.00	165	14420	7.957	ng	# 25
56) 2,4-Dinitrotoluene	10.00	165	14420	6.096	ng	# 23
70) Phenanthrene	11.51	178	60451	5.529	ng	97
74) Fluoranthene	12.71	202	149052	12.369	ng	94
77) Pyrene	12.94	202	147589	10.665	ng	98
80) Benzo(a)anthracene	14.13	228	126617	9.900	ng	99
82) Chrysene	14.17	228	120348	10.228	ng	98
85) Indeno(1,2,3-cd)pyrene	17.26	276	96854	9.700	ng	# 86
87) Benzo(b)fluoranthene	15.22	252	279893	25.439	ng	# 95
88) Benzo(k)fluoranthene	15.22	252	279893	26.714	ng	# 95
89) Benzo(a)pyrene	15.61	252	136641	13.970	ng	96
90) Dibenzo(a,h)anthracene	17.45	278	20170	2.433	ng	94
91) Benzo(g,h,i)perylene	17.74	276	95462	11.783	ng	# 86

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

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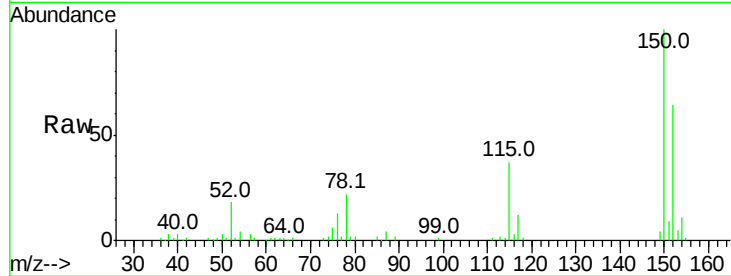


#1

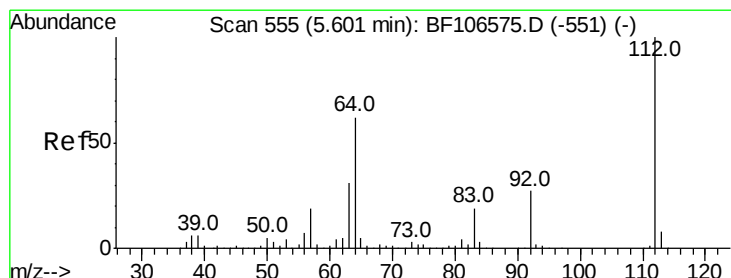
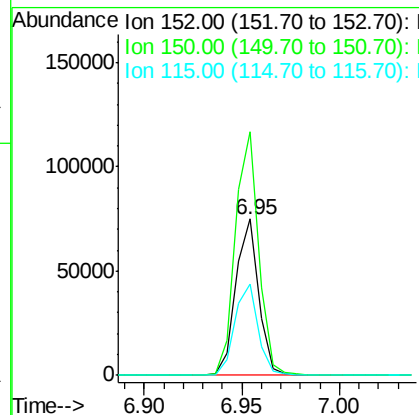
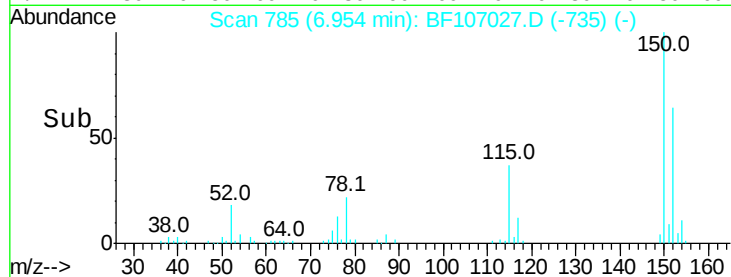
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 61129
 Ion Ratio Lower Upper
 152 100
 150 155.6 124.6 186.8
 115 58.1 50.1 75.1



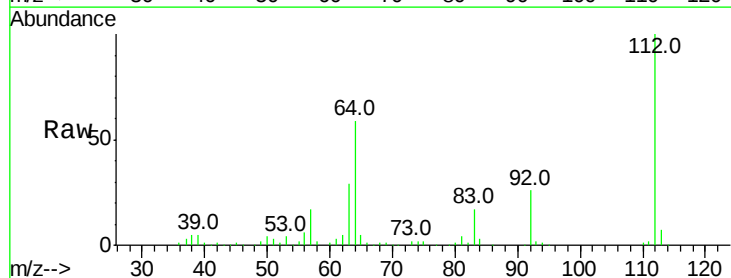
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



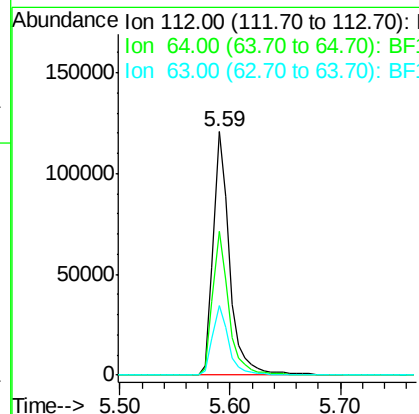
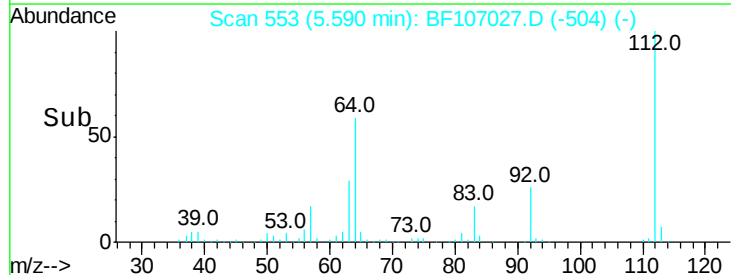
#5

2-Fluorophenol
 Concen: 33.720 ng
 RT: 5.59 min Scan# 553
 Delta R.T. -0.01 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

Tgt Ion:112 Resp: 121731
 Ion Ratio Lower Upper
 112 100
 64 58.9 47.9 71.9
 63 28.6 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: 34.581 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

Instrument :

BNA_F

ClientSampled :

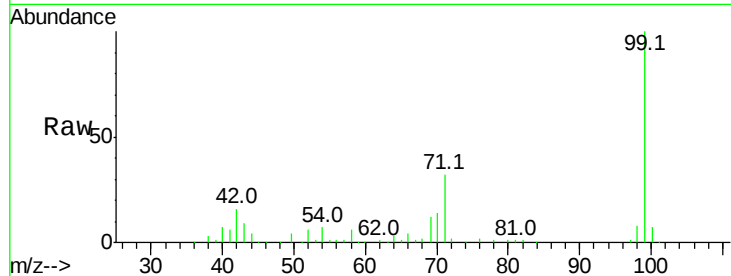
Tot Ion: 99 Resp: 155898

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

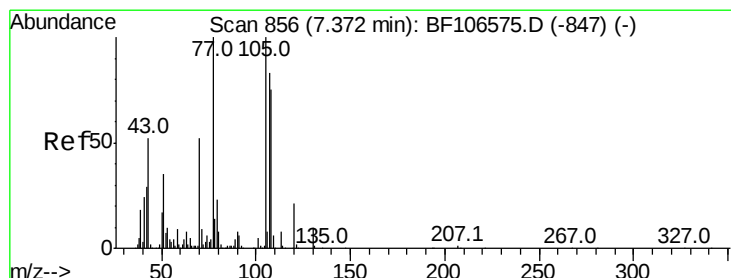
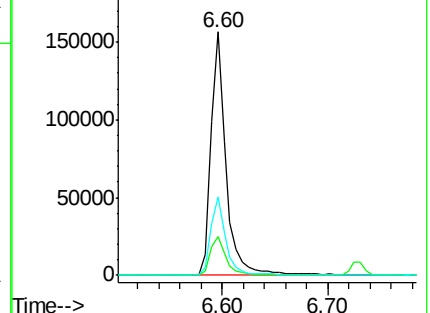
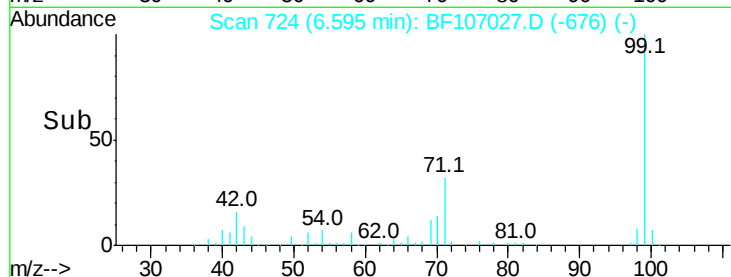
71 32.2 25.4 38.0



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: 3.756 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

Tgt Ion: 70 Resp: 11163

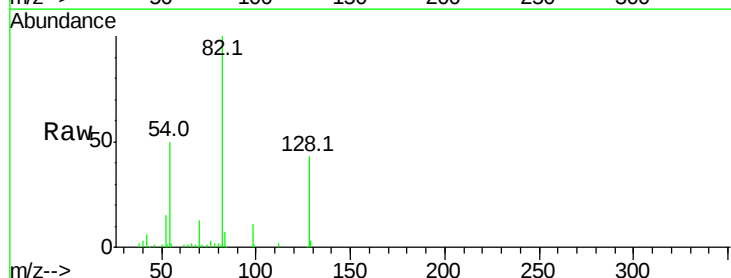
Ion Ratio Lower Upper

70 100

42 44.8 47.5 71.3#

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

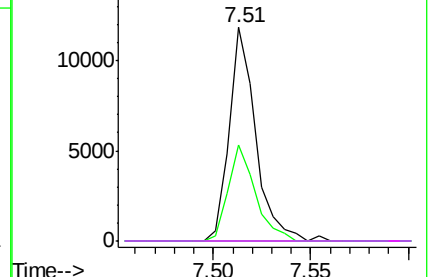
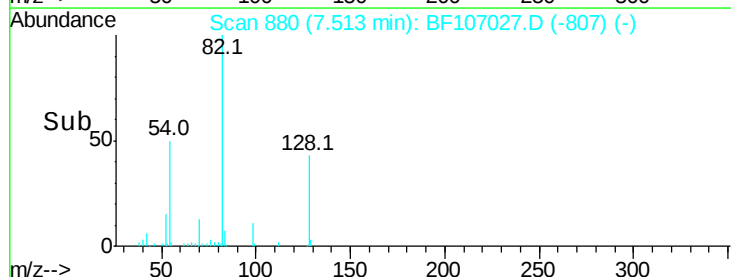


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF107027.D

Acq: 30 Jun 2018 20:51

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 233205

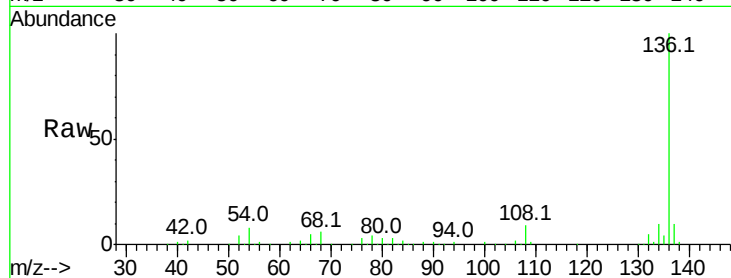
Ion Ratio Lower Upper

136 100

137 10.5 8.9 13.3

54 7.7 6.6 9.8

68 5.9 5.0 7.4

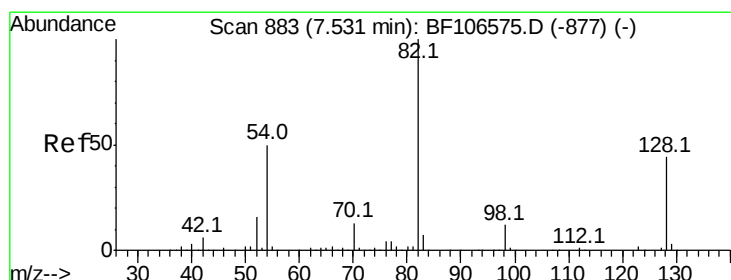
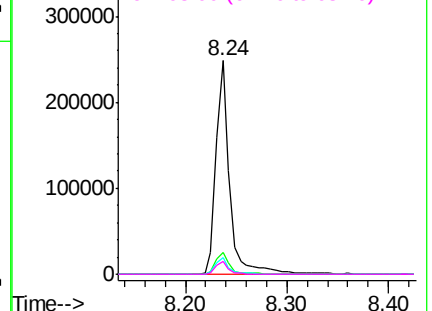
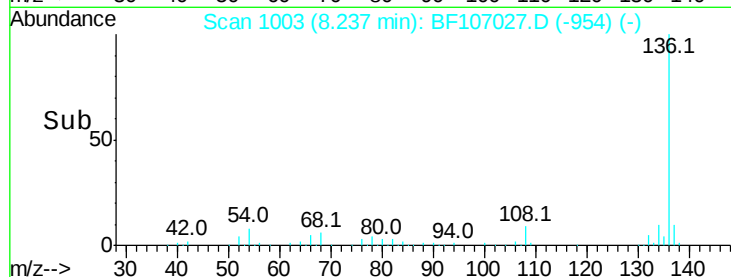


Abundance Ion 136.00 (135.70 to 136.70): E

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: 20.502 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

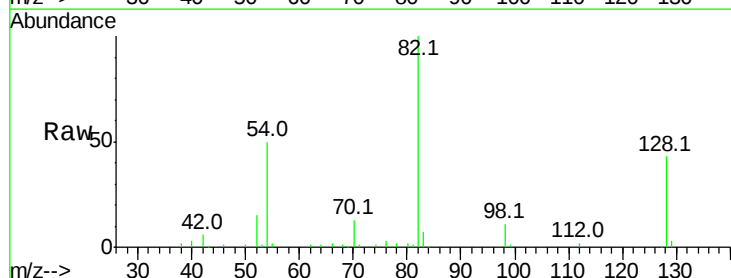
Tgt Ion: 82 Resp: 86033

Ion Ratio Lower Upper

82 100

128 42.6 36.1 54.1

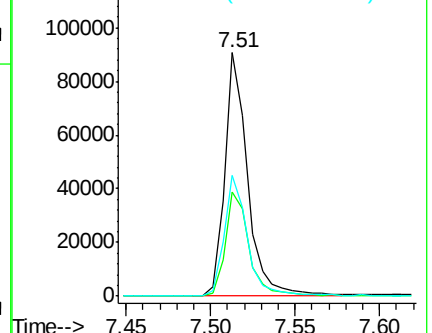
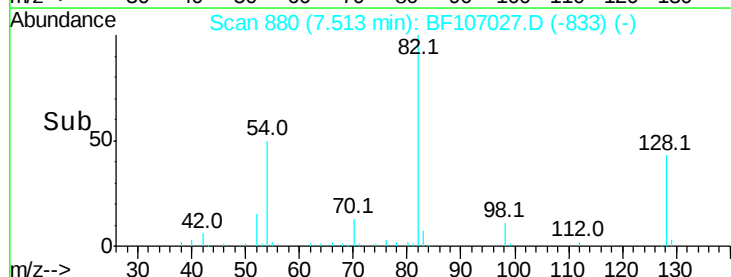
54 49.8 41.4 62.2

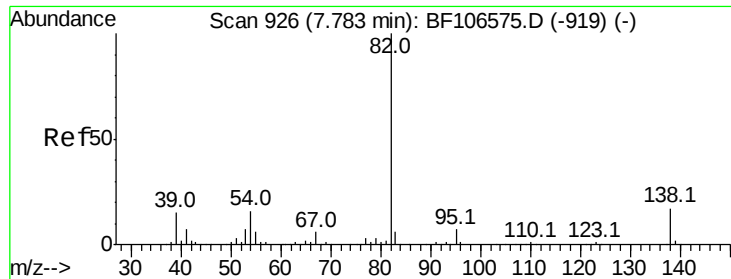


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 11.637 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

Instrument :

BNA_F

ClientSampled :

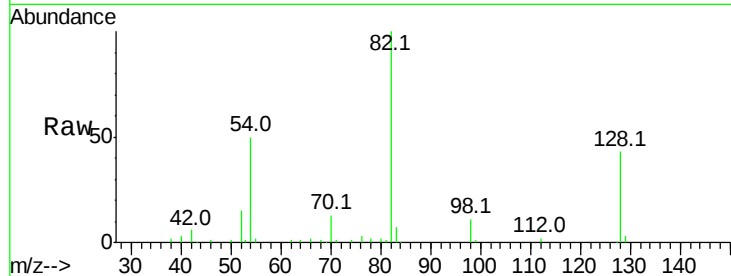
Tot Ion: 82 Resp: 86048

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

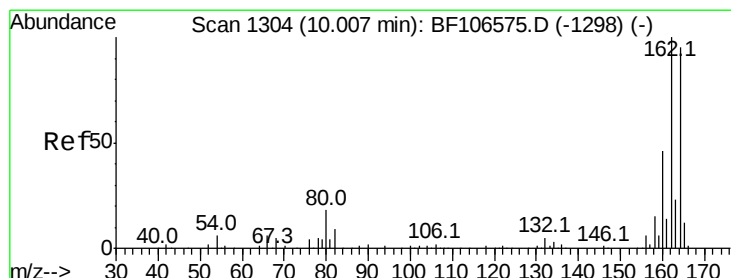
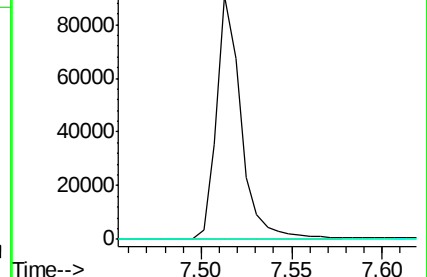
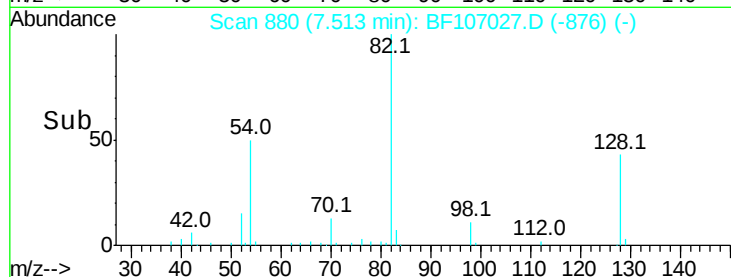
138 0.0 14.9 22.3#



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: BF107027.D

Acq: 30 Jun 2018 20:51

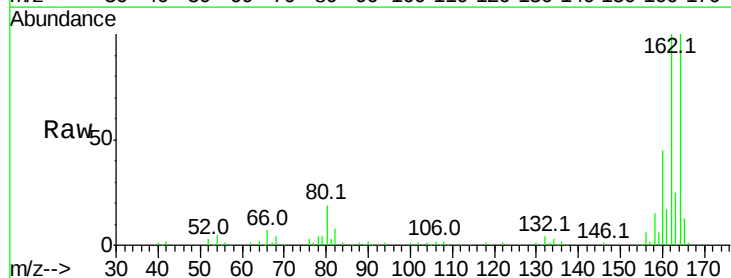
Tgt Ion:164 Resp: 114110

Ion Ratio Lower Upper

164 100

162 99.5 86.1 129.1

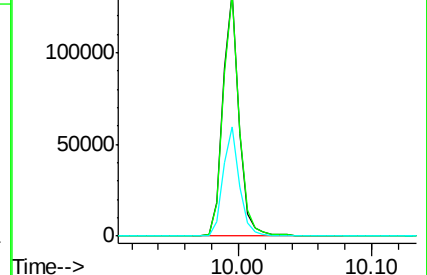
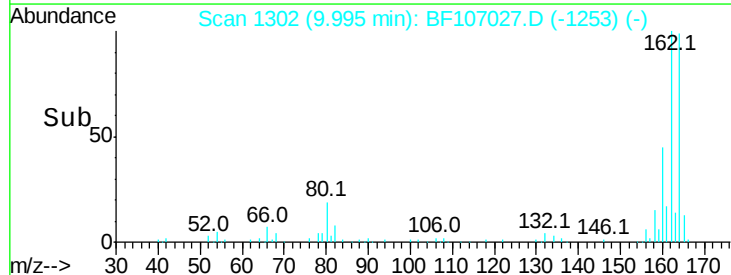
160 44.6 38.3 57.5

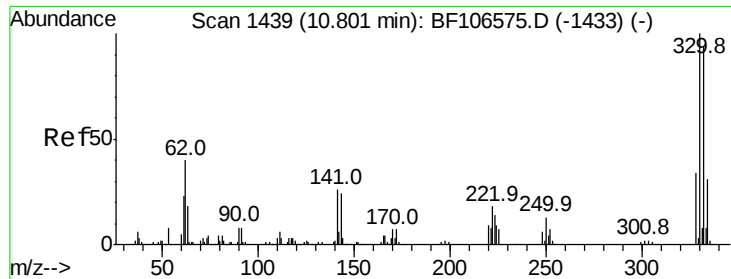


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

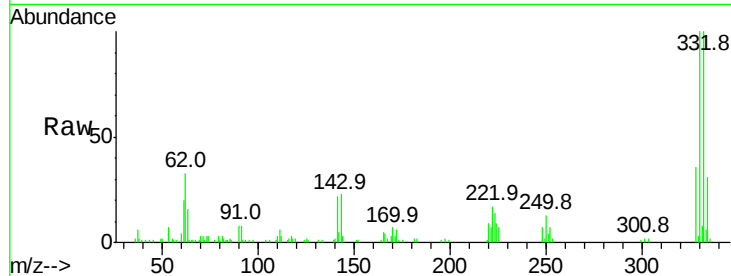




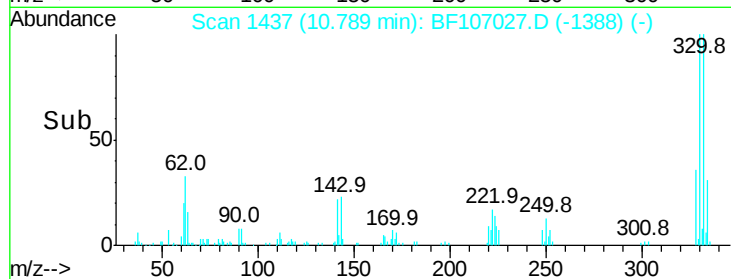
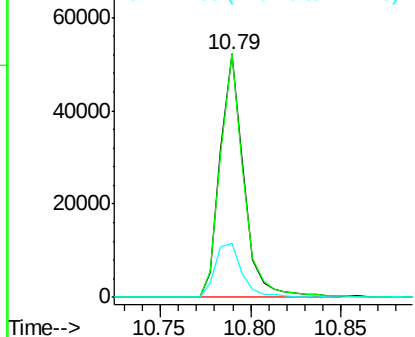
#41
 2,4,6-Tribromophenol
 Concen: 36.226 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.0	115.6
141	24.7	29.9	44.9#

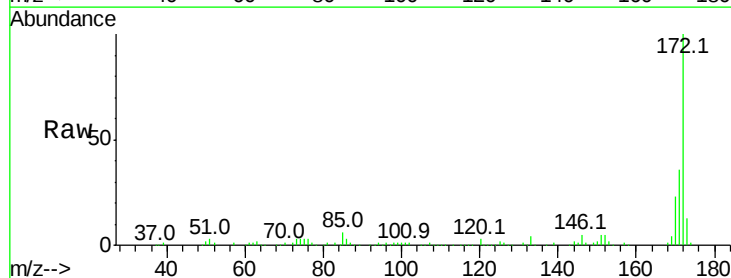


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

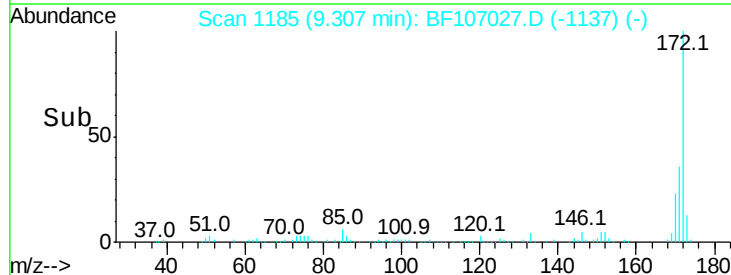
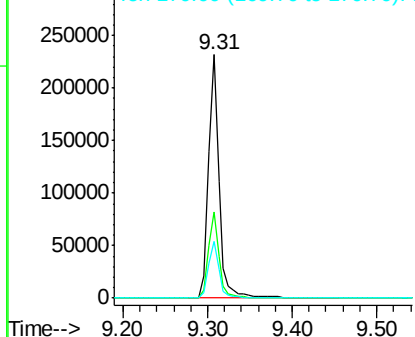


#44
 2-Fluorobiphenyl
 Concen: 18.644 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.1	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

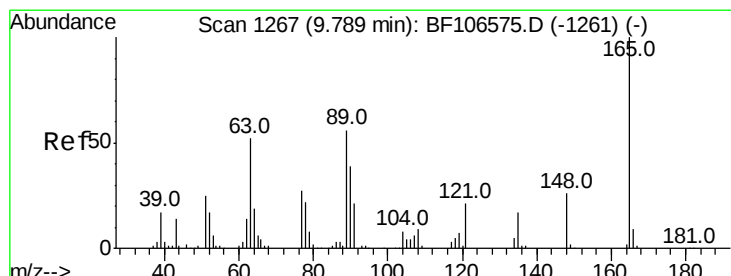
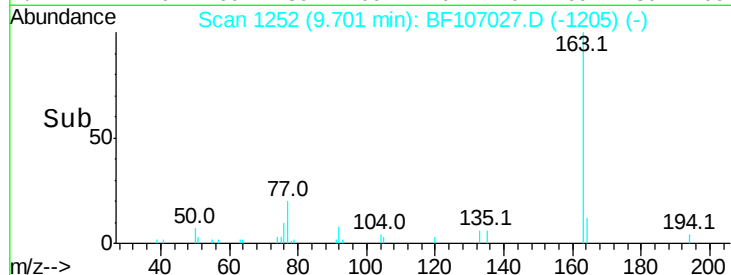
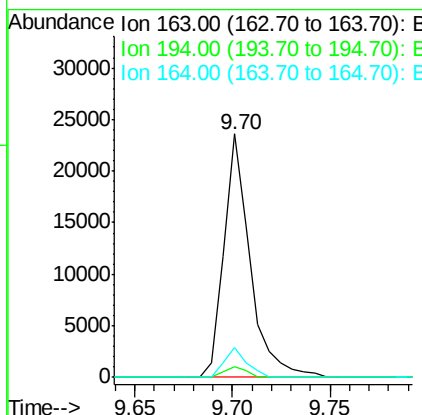
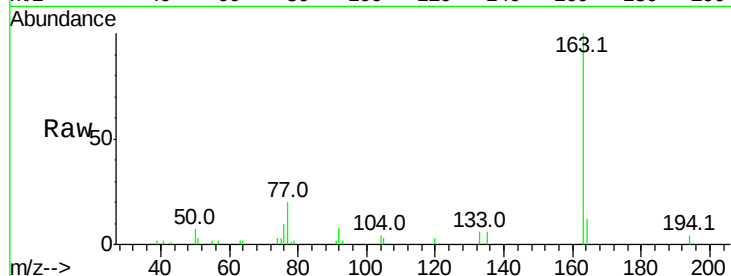




#49
Dimethylphthalate
Concen: 2.567 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

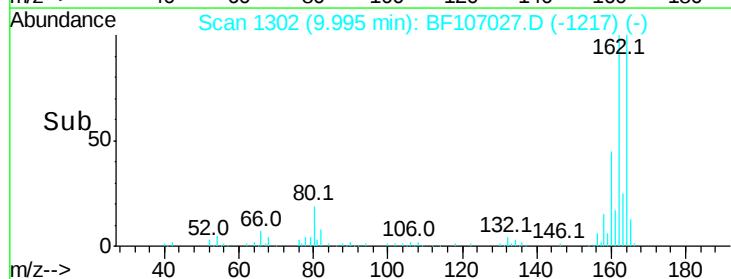
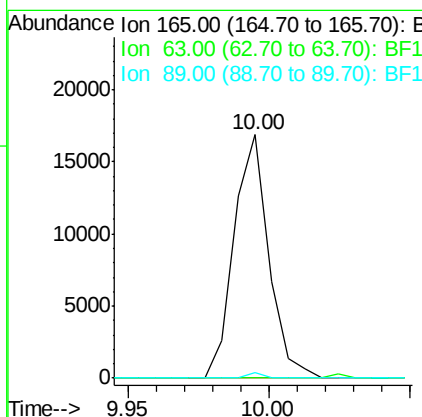
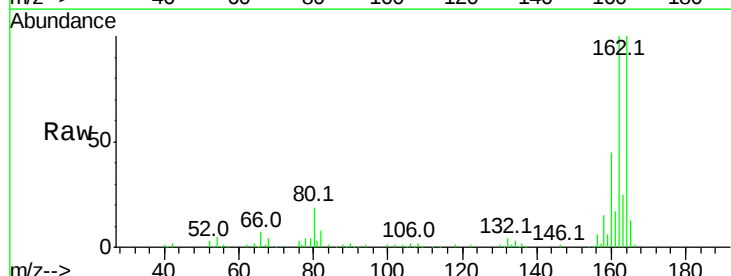
Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 21968
Ion Ratio Lower Upper
163 100
194 4.4 2.7 4.1#
164 12.1 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 7.957 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.20 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

Tgt Ion:165 Resp: 14420
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 2.0 44.0 66.0#

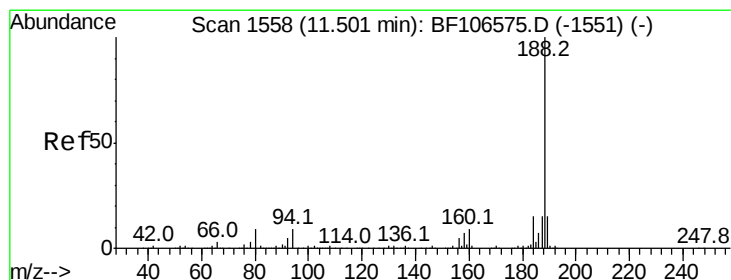
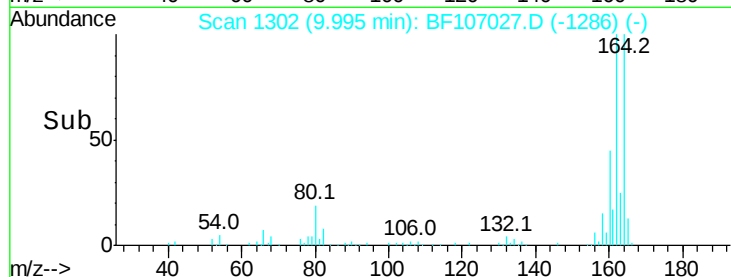
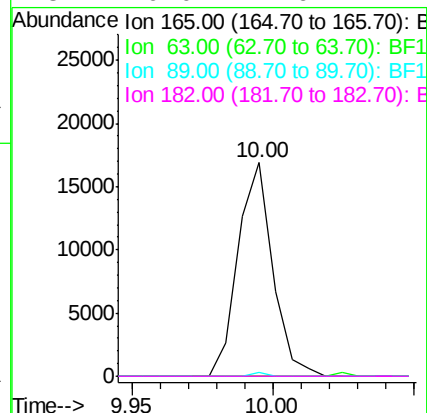
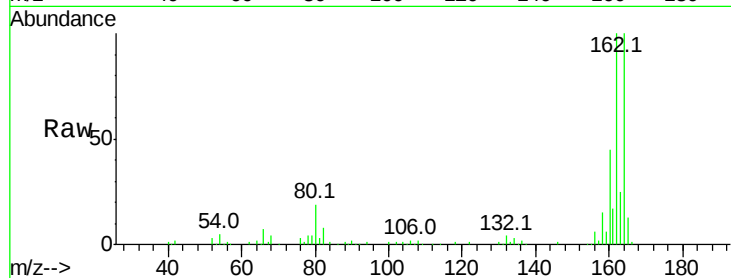




#56
 2,4-Dinitrotoluene
 Concen: 6.096 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

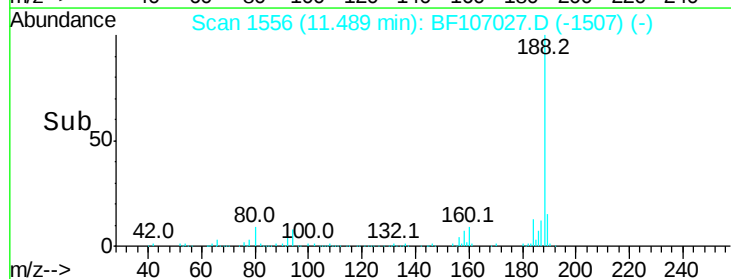
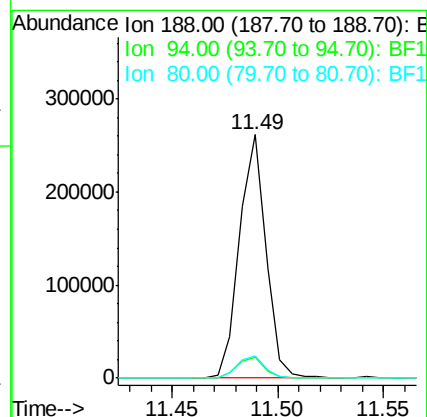
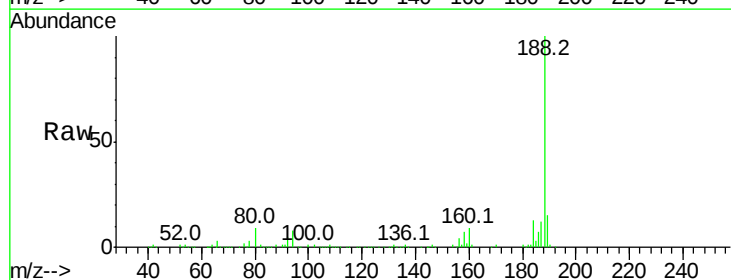
Instrument :
 BNA_F
 ClientSampled :

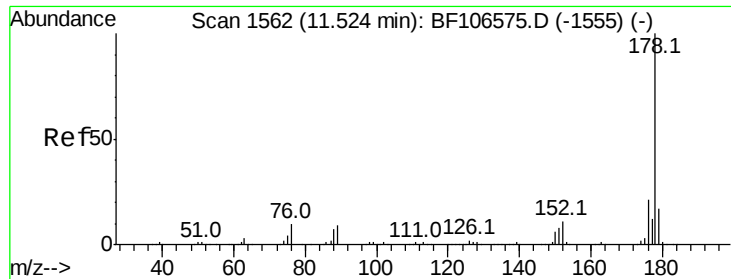
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	8.9	9.2	13.8#

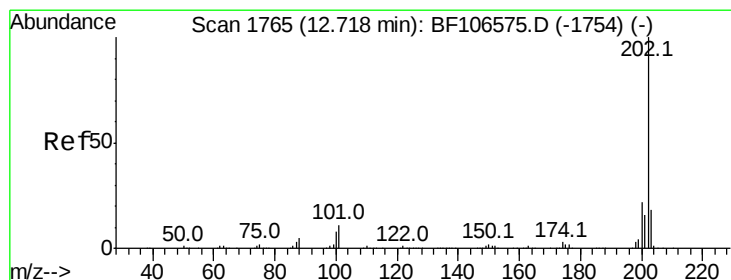
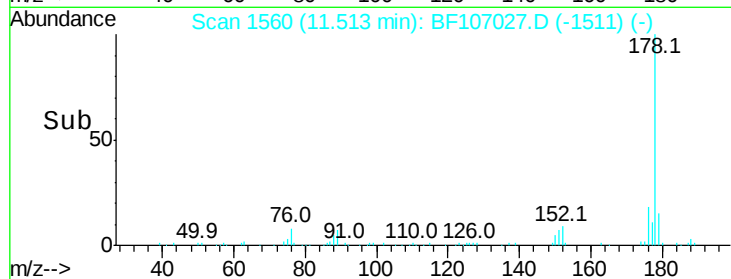
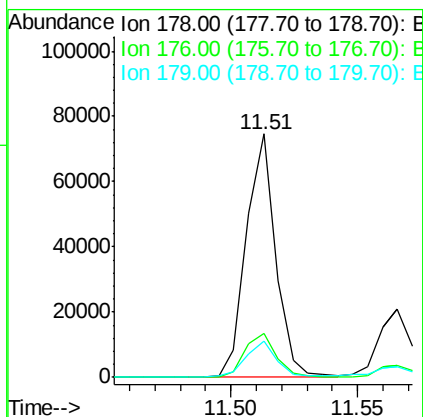
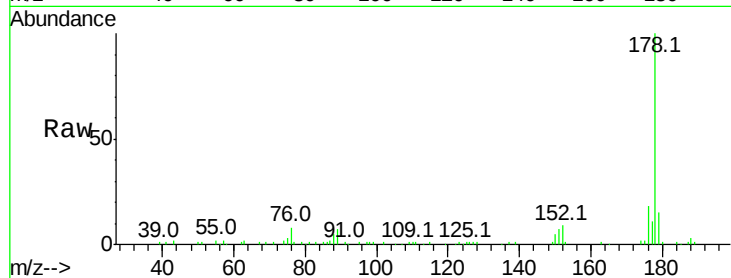




#70
Phenanthrene
Concen: 5.529 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

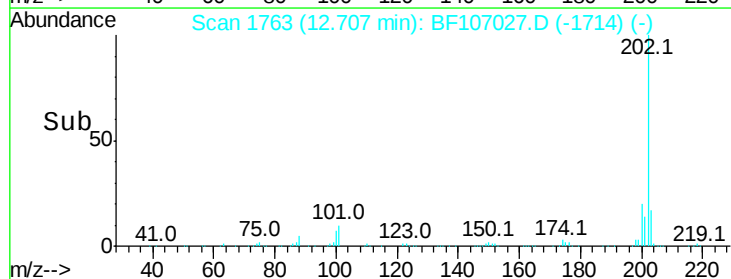
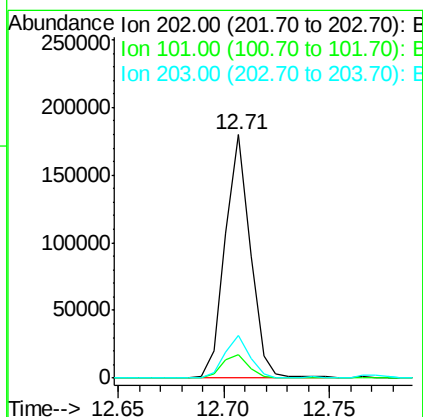
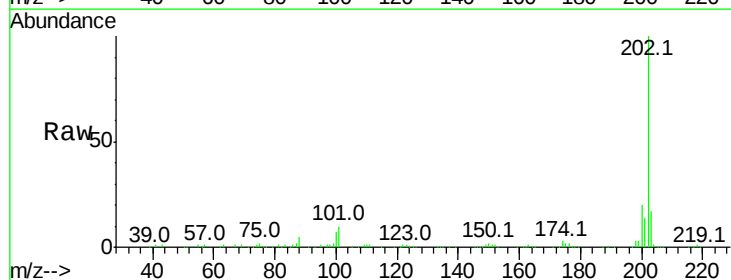
Instrument :
BNA_F
ClientSampled :

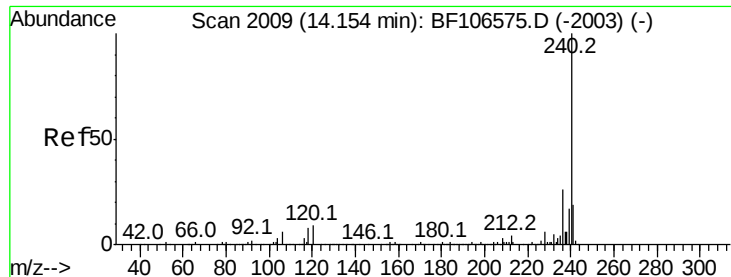
Tot Ion:178 Resp: 60451
Ion Ratio Lower Upper
178 100
176 18.1 15.8 23.8
179 15.0 13.0 19.6



#74
Fluoranthene
Concen: 12.369 ng
RT: 12.71 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

Tgt Ion:202 Resp: 149052
Ion Ratio Lower Upper
202 100
101 9.8 0.0 34.1
203 17.3 0.0 38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

Instrument :

BNA_F

ClientSampleId :

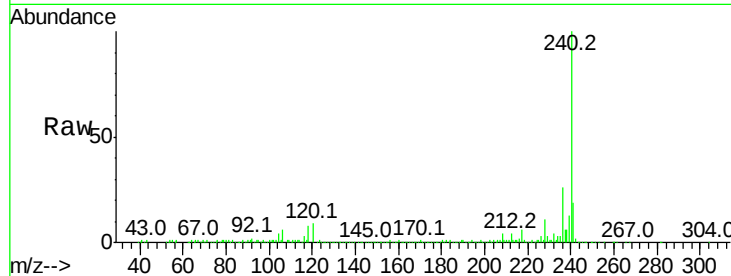
Tot Ion:240 Resp: 209850

Ion Ratio Lower Upper

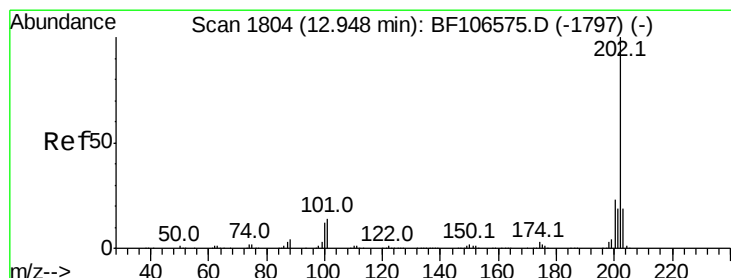
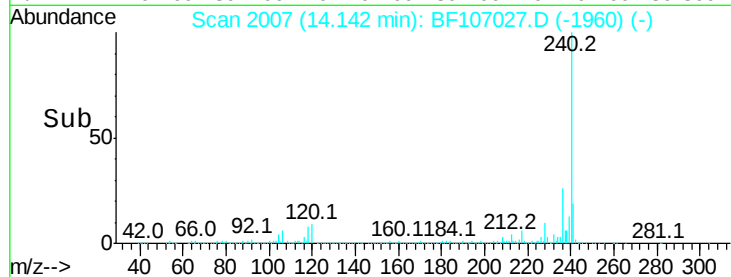
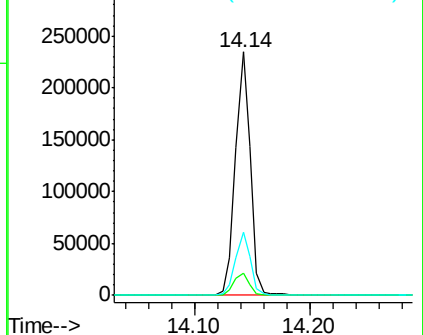
240 100

120 9.3 9.5 14.3#

236 25.9 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: 10.665 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

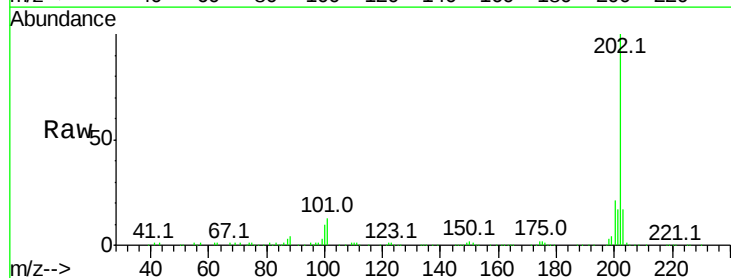
Tgt Ion:202 Resp: 147589

Ion Ratio Lower Upper

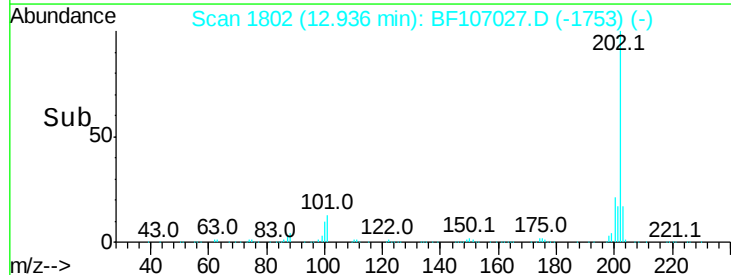
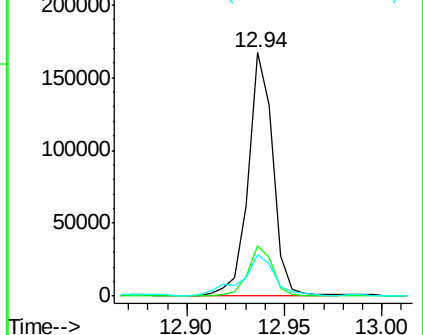
202 100

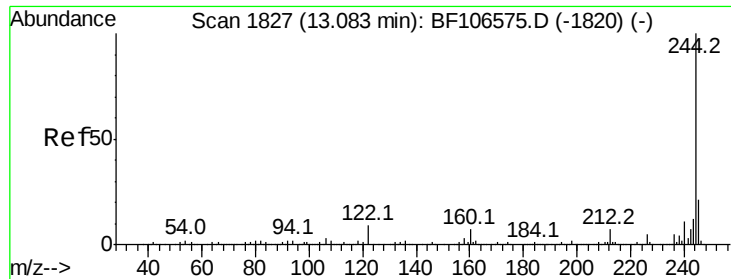
200 20.9 17.4 26.2

203 17.0 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

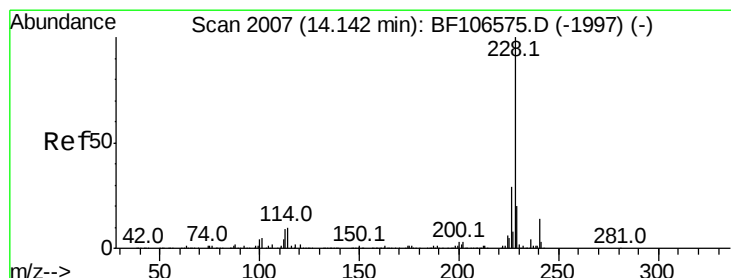
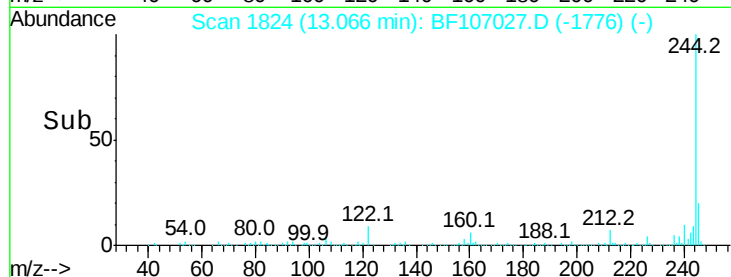
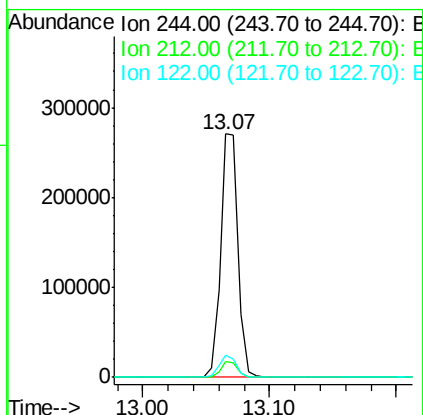
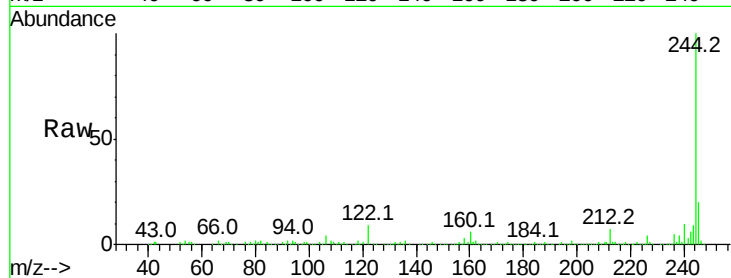




#78
 Terphenyl-d14
 Concen: 29.839 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

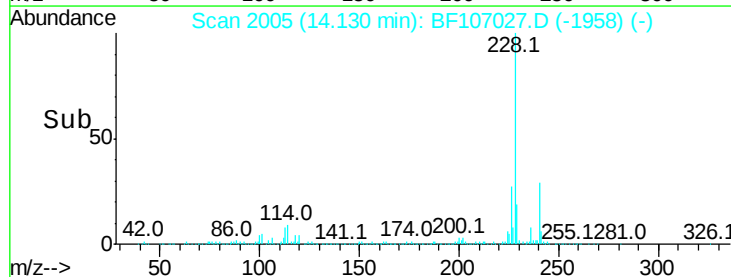
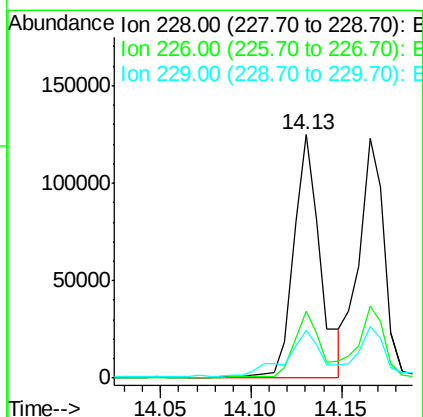
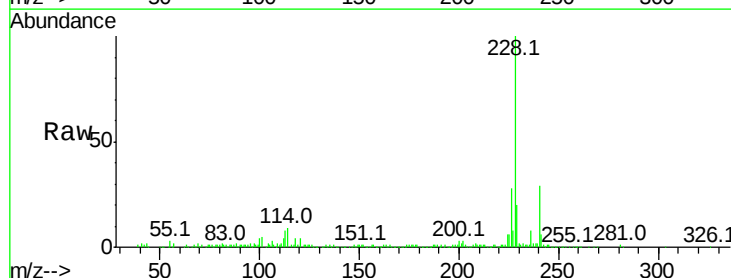
Instrument :
 BNA_F
 ClientSampleId :

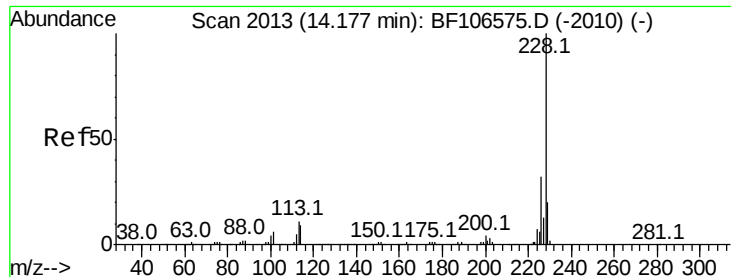
Tot Ion:244 Resp: 258506
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.3 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 9.900 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107027.D
 Acq: 30 Jun 2018 20:51

Tgt Ion:228 Resp: 126617
 Ion Ratio Lower Upper
 228 100
 226 27.7 22.6 33.8
 229 19.7 15.8 23.6





#82

Chrysene

Concen: 10.228 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

Instrument :

BNA_F

ClientSampleId :

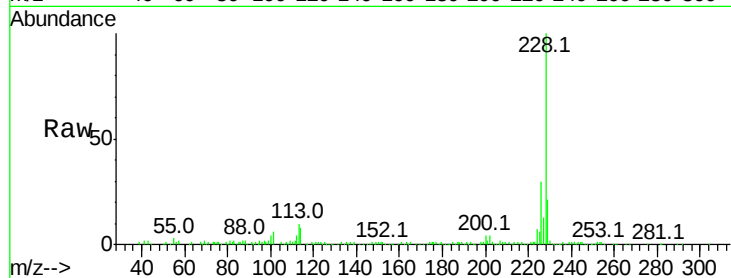
Tot Ion:228 Resp: 120348

Ion Ratio Lower Upper

228 100

226 29.9 25.0 37.6

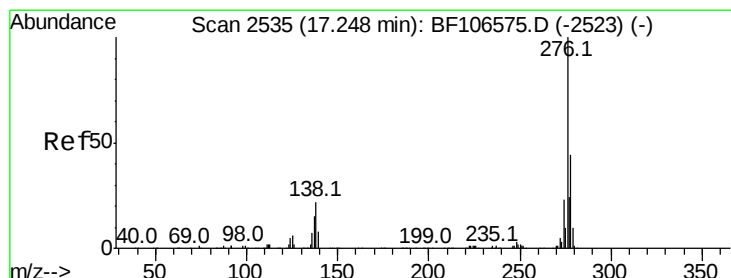
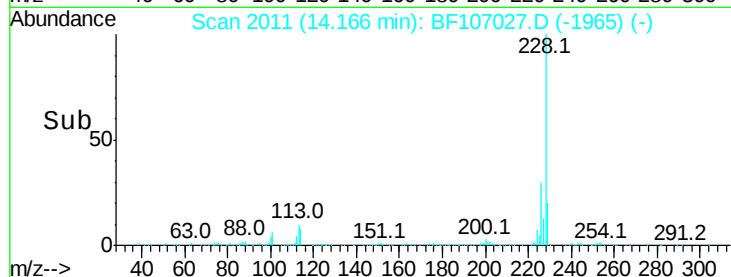
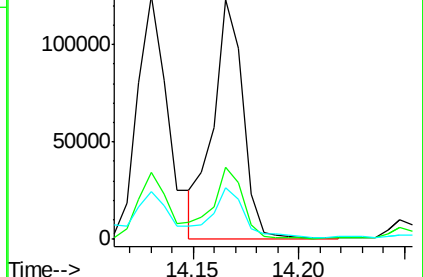
229 21.3 16.2 24.4



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: 9.700 ng

RT: 17.26 min Scan# 2537

Delta R.T. -0.05 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

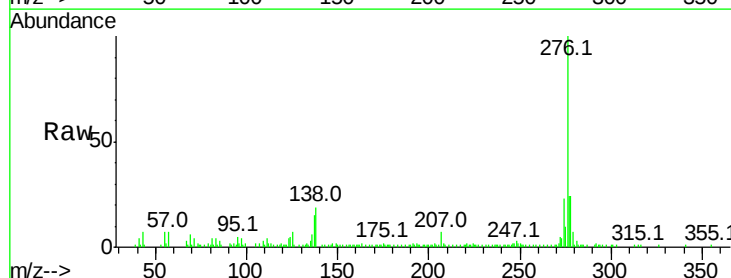
Tgt Ion:276 Resp: 96854

Ion Ratio Lower Upper

276 100

138 18.5 25.0 37.6#

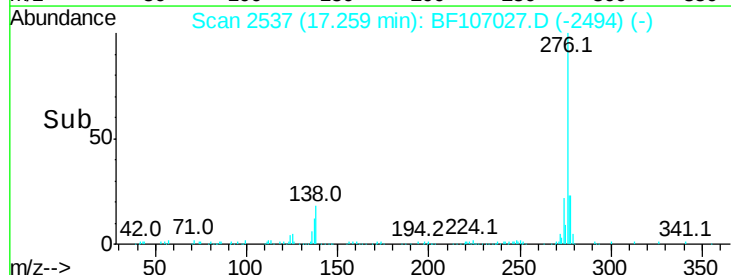
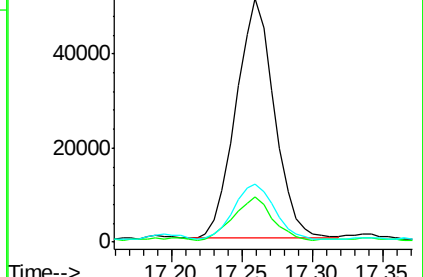
277 24.2 20.1 30.1

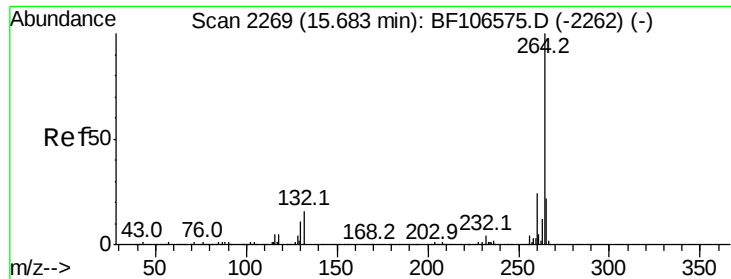


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



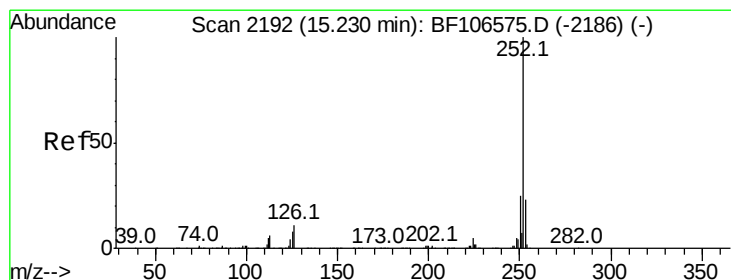
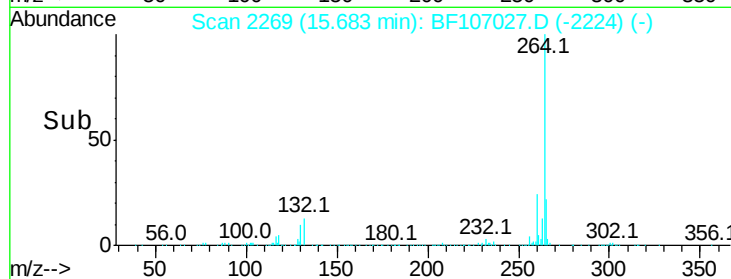
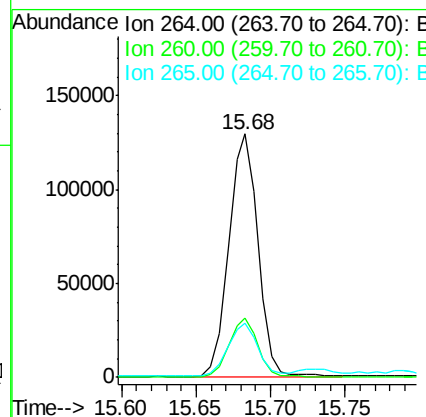
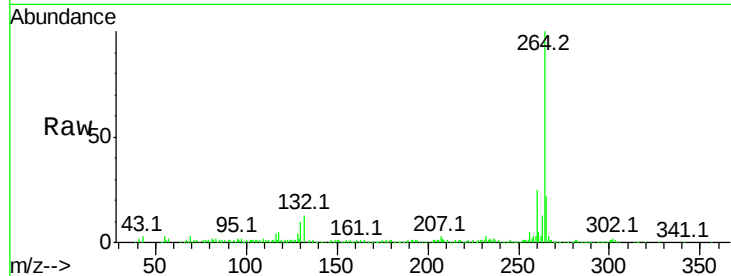


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.04 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 177116

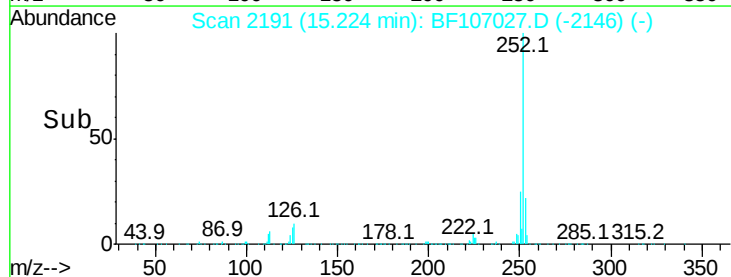
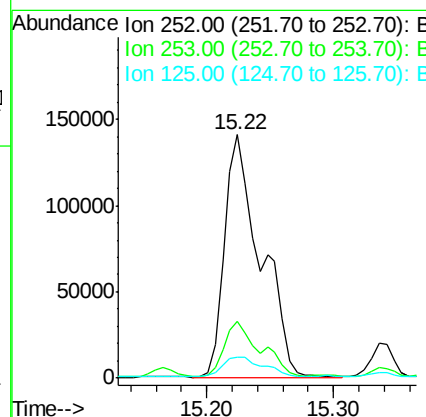
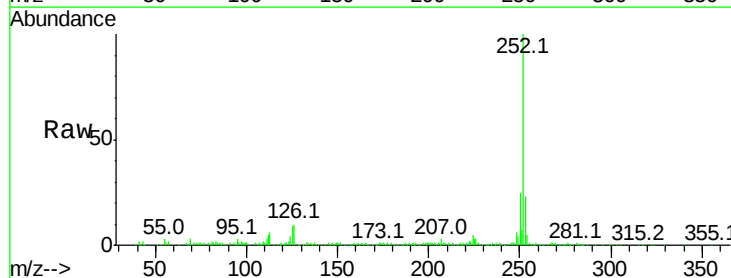
Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.4	17.5	26.3

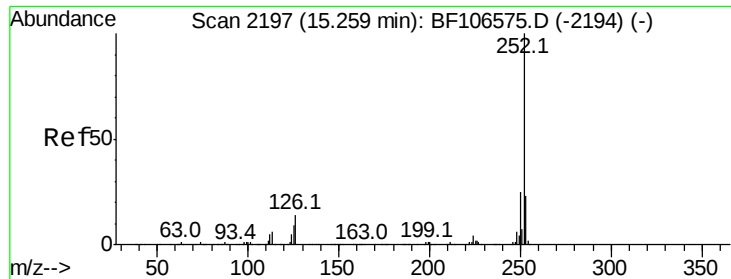


#87
Benzo(b)fluoranthene
Concen: 25.439 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.04 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

Tgt Ion:252 Resp: 279893

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	8.8	9.0	13.6#

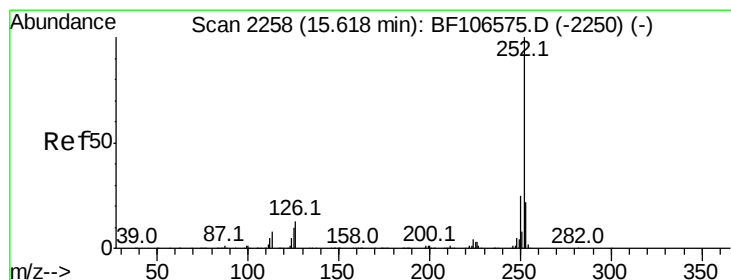
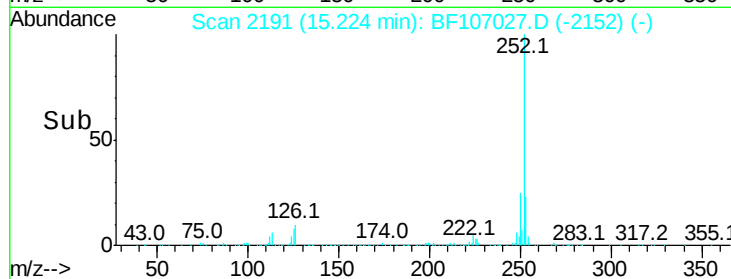
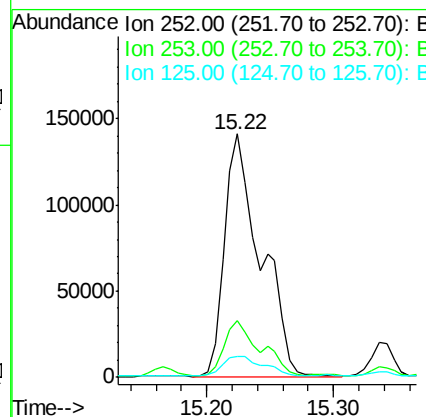
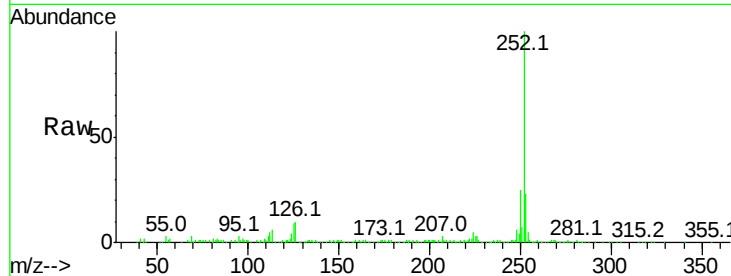




#88
Benzo(k)fluoranthene
Concen: 26.714 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.07 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

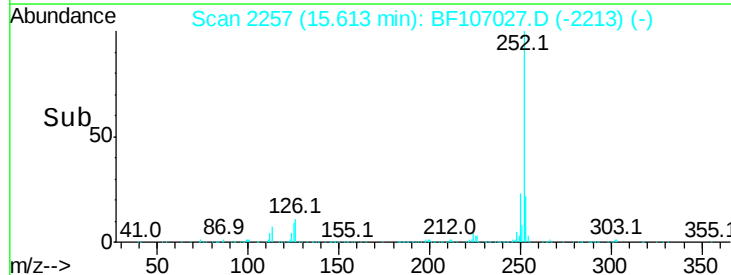
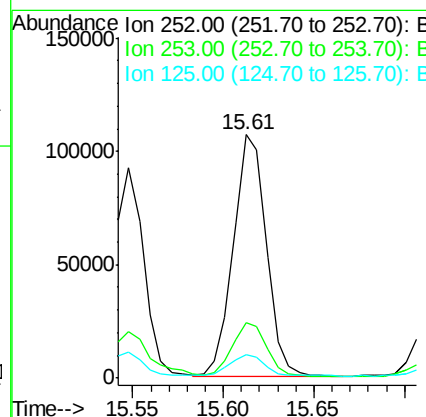
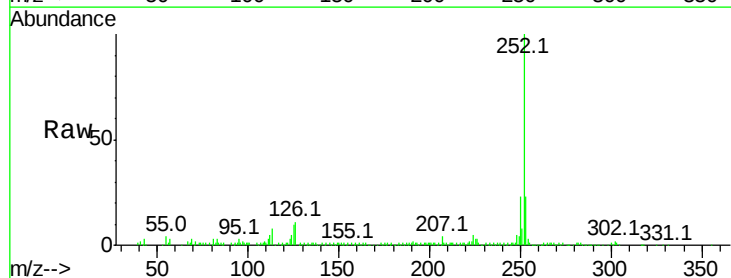
Instrument :
BNA_F
ClientSampleId :

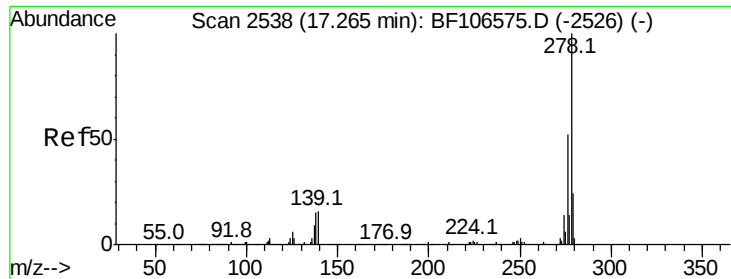
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	8.8	10.2	15.2#



#89
Benzo(a)pyrene
Concen: 13.970 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107027.D
Acq: 30 Jun 2018 20:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	9.8	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.433 ng

RT: 17.45 min Scan# 2569

Delta R.T. 0.12 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

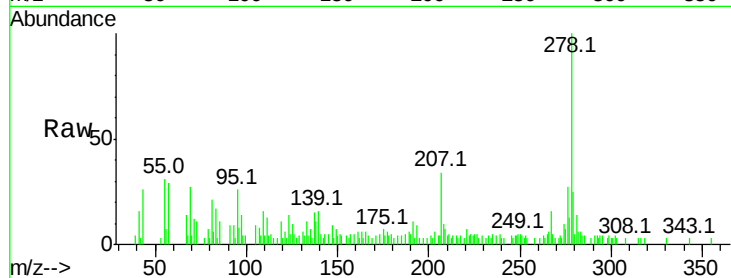
Instrument :

BNA_F

ClientSampled :

Tot Ion:278 Resp: 20170

Ion	Ratio	Lower	Upper
278	100		
139	16.0	15.9	23.9
279	25.4	19.0	28.4

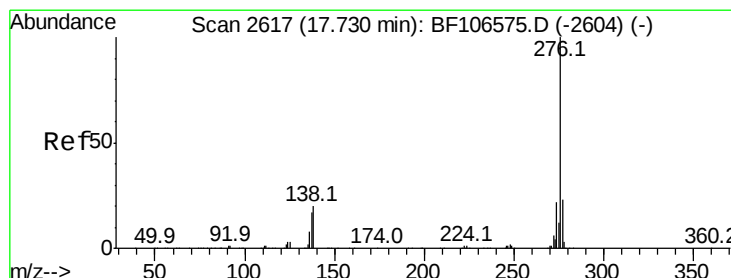
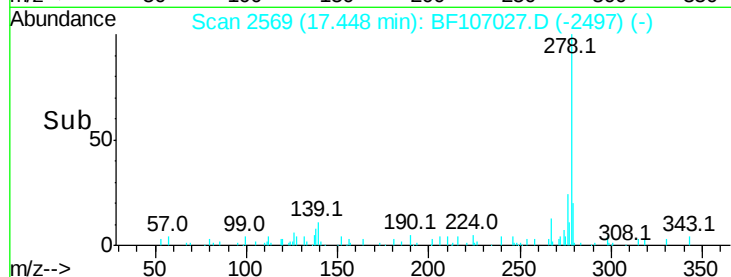
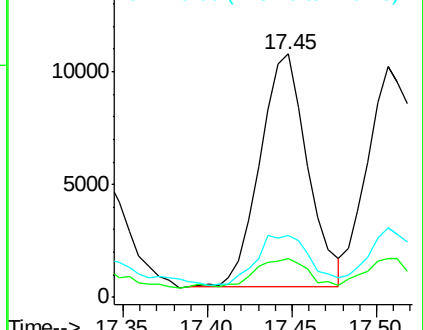


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 11.783 ng

RT: 17.74 min Scan# 2619

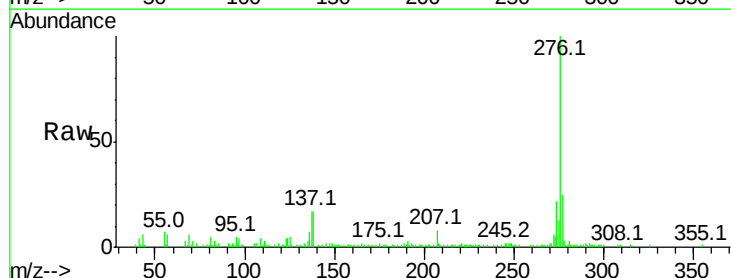
Delta R.T. -0.05 min

Lab File: BF107027.D

Acq: 30 Jun 2018 20:51

Tgt Ion:276 Resp: 95462

Ion	Ratio	Lower	Upper
276	100		
277	25.3	17.9	26.9
138	17.0	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

