

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF063018\
 Data File : BF107011.D
 Acq On : 30 Jun 2018 13:42
 Operator : JU/SJ
 Sample : J3248-11 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 02 04:04:51 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	57531	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	202865	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	85209	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	171492	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	212783	20.00	ng	-0.02
86) Perylene-d12	15.69	264	157533	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	77526	22.82	ng	0.00
7) Phenol-d6	6.60	99	90807	21.40	ng	-0.02
23) Nitrobenzene-d5	7.51	82	50211	13.75	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	21179	21.45	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	90760	3.97	ng	-0.02
78) Terphenyl-d14	13.07	244	121059	13.78	ng	-0.02

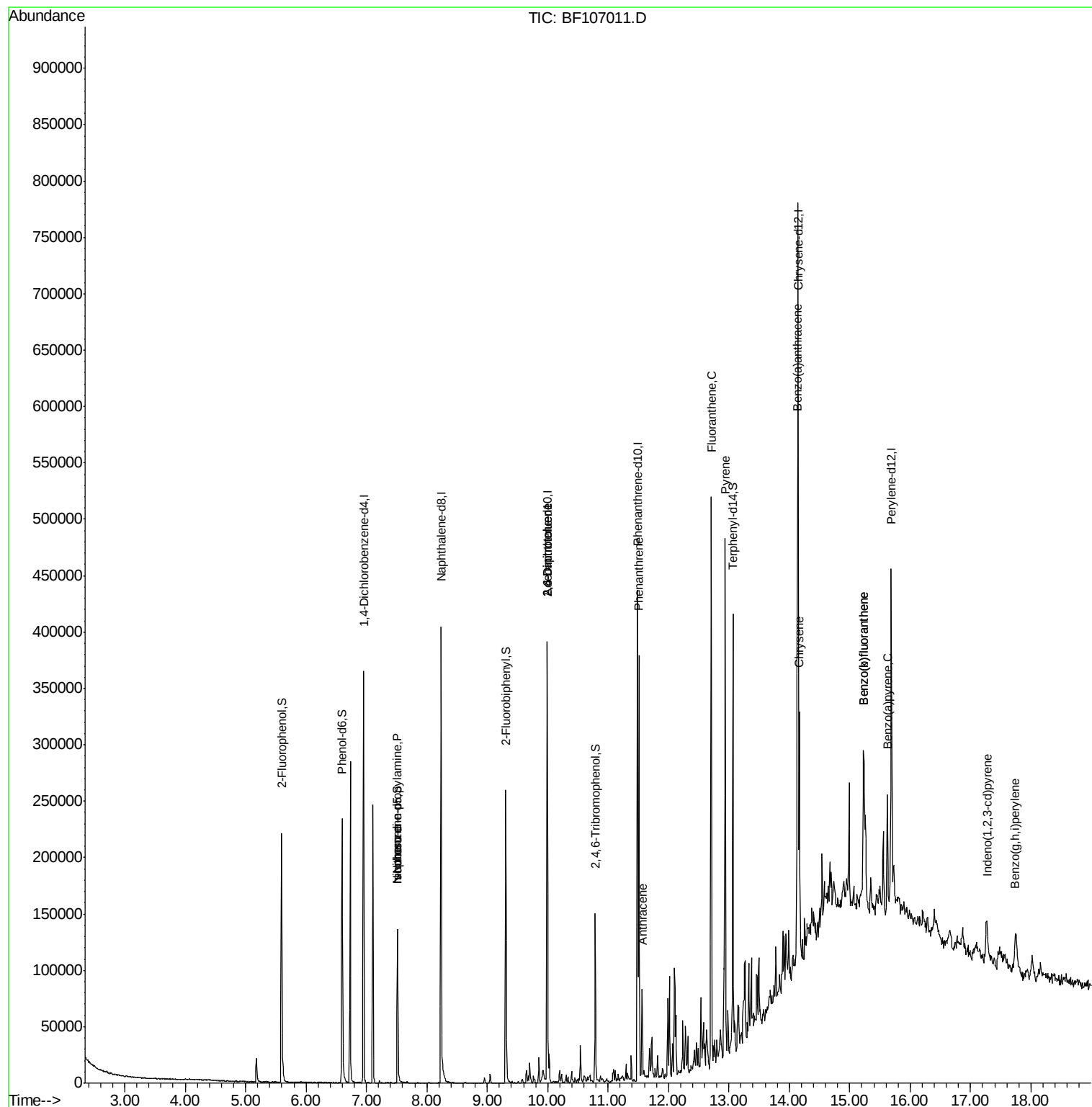
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.51	70	6201	2.217	ng	# 77
25) Isophorone	7.51	82	50211	7.806	ng	# 64
50) 2,6-Dinitrotoluene	10.00	165	10215	7.548	ng	# 24
56) 2,4-Dinitrotoluene	10.00	165	10215	5.783	ng	# 21
70) Phenanthrene	11.51	178	144055	17.416	ng	98
71) Anthracene	11.57	178	33414	3.958	ng	100
74) Fluoranthene	12.71	202	199926	21.930	ng	95
77) Pyrene	12.94	202	192379	13.710	ng	98
80) Benzo(a)anthracene	14.13	228	100526	7.752	ng	98
82) Chrysene	14.17	228	93120	7.805	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	25587	2.527	ng	# 92
87) Benzo(b)fluoranthene	15.23	252	109005	11.139	ng	94
88) Benzo(k)fluoranthene	15.23	252	109005	11.697	ng	# 94
89) Benzo(a)pyrene	15.62	252	56784	6.527	ng	98
91) Benzo(a,h,i)perylene	17.75	276	26454	3.671	ng	# 91

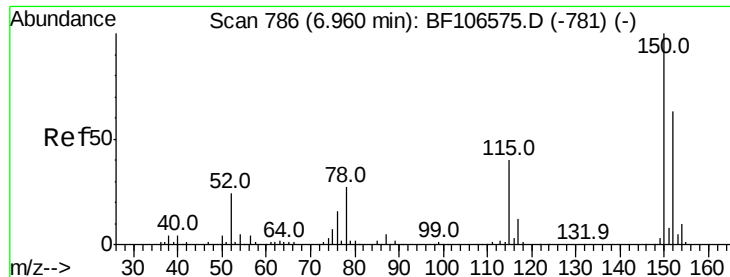
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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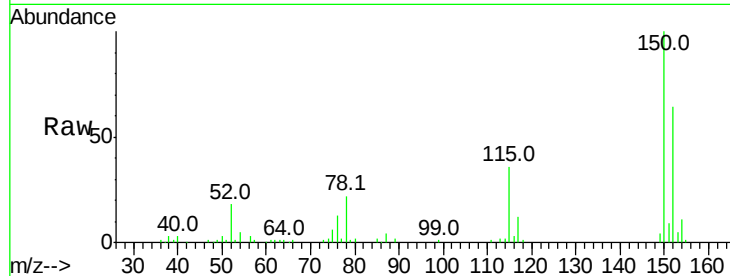


#1

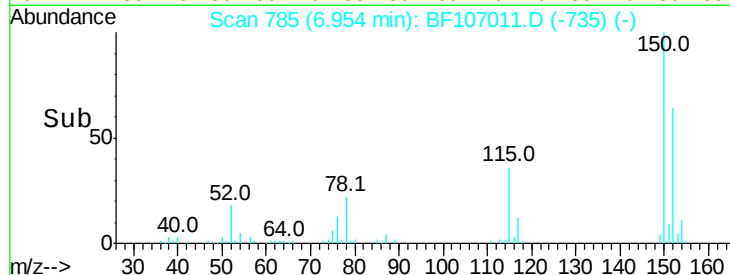
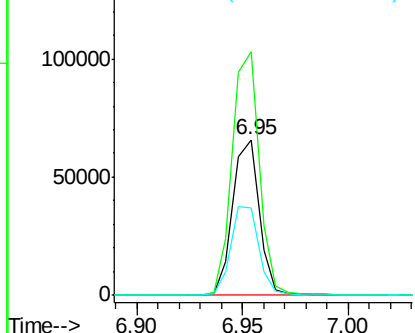
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 57531
 Ion Ratio Lower Upper
 152 100
 150 156.7 124.6 186.8
 115 56.3 50.1 75.1



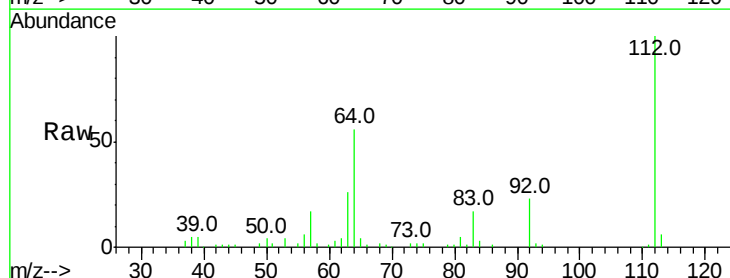
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



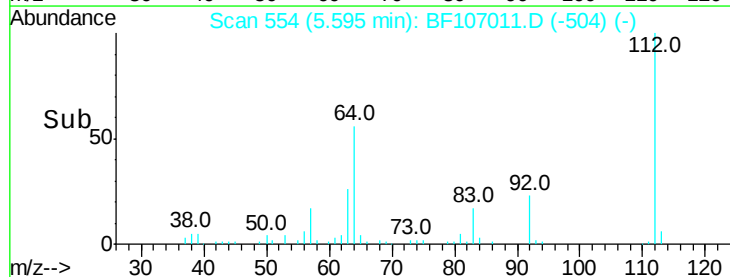
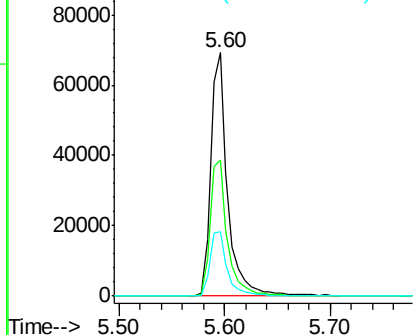
#5

2-Fluorophenol
 Concen: 22.818 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion:112 Resp: 77526
 Ion Ratio Lower Upper
 112 100
 64 55.7 47.9 71.9
 63 26.4 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: 21.402 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Instrument :

BNA_F

ClientSampled :

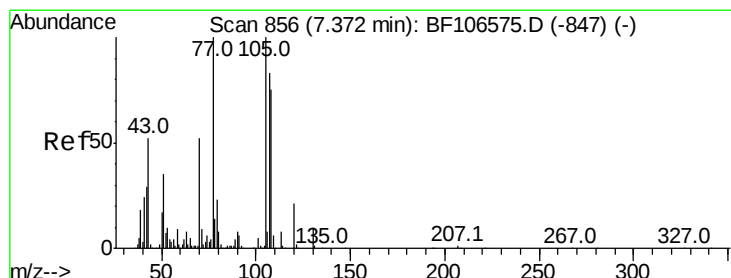
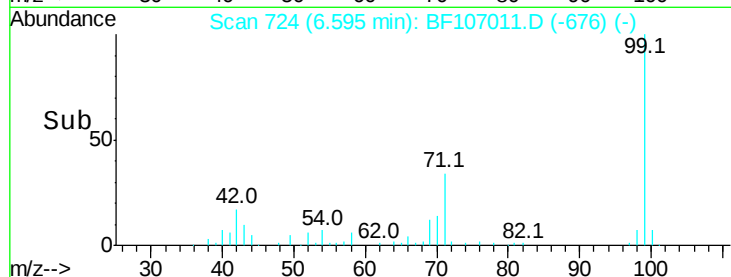
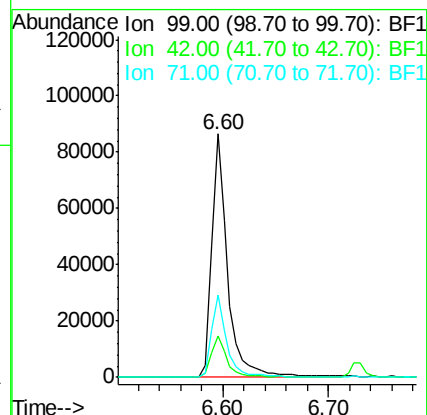
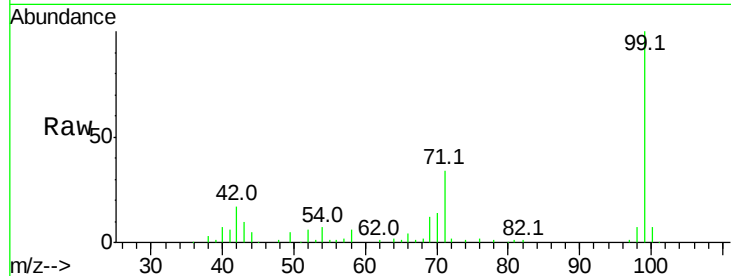
Tot Ion: 99 Resp: 90807

Ion Ratio Lower Upper

99 100

42 16.8 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.217 ng

RT: 7.51 min Scan# 880

Delta R.T. 0.13 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Tgt Ion: 70 Resp: 6201

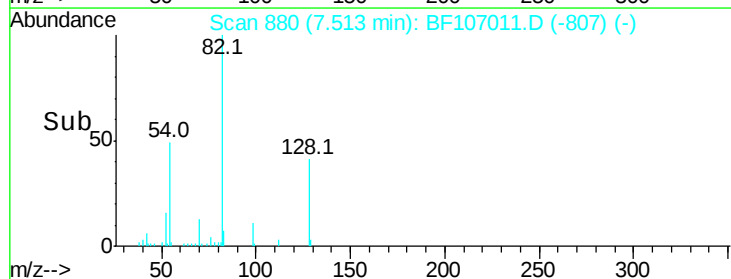
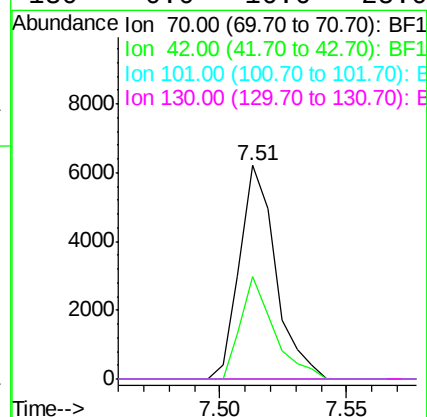
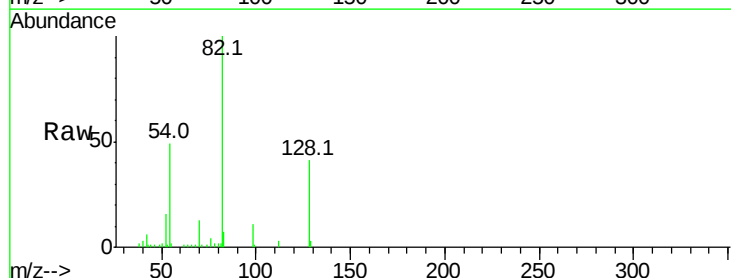
Ion Ratio Lower Upper

70 100

42 47.8 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

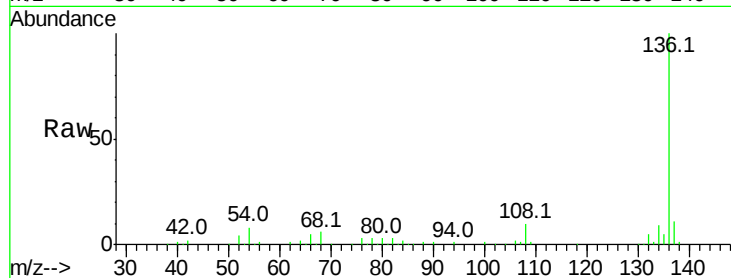




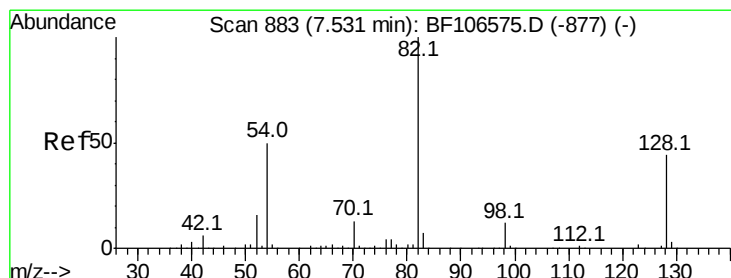
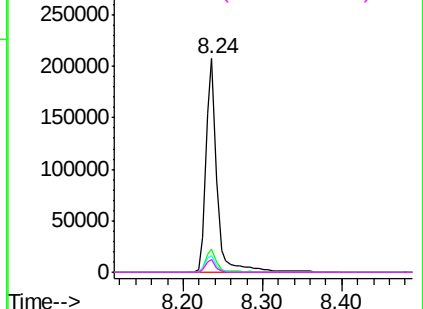
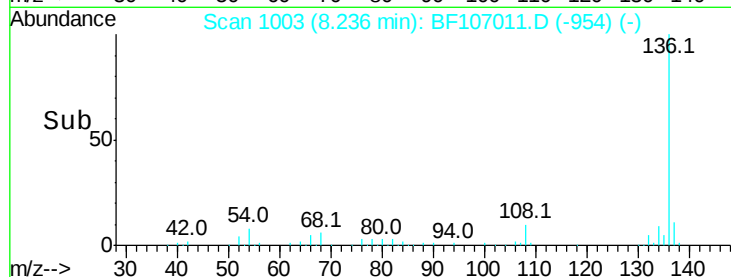
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	202865
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.9	6.6	9.8
68	6.0	5.0	7.4

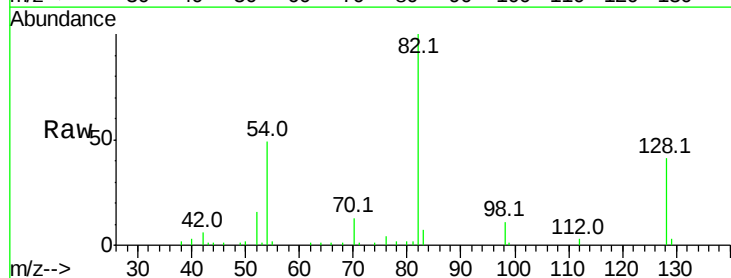


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

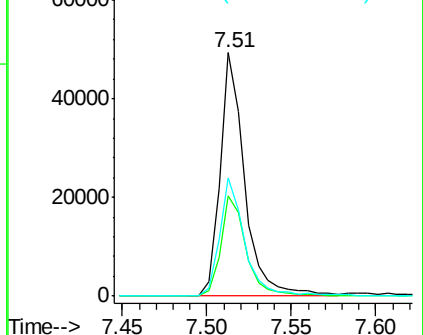
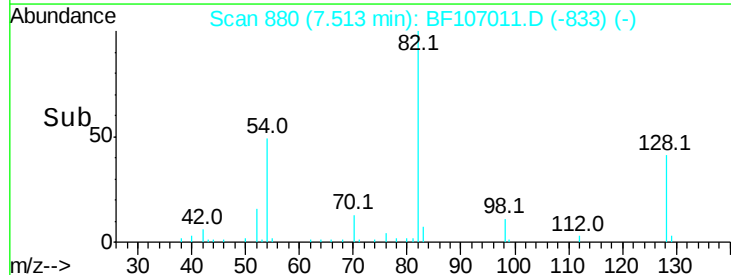


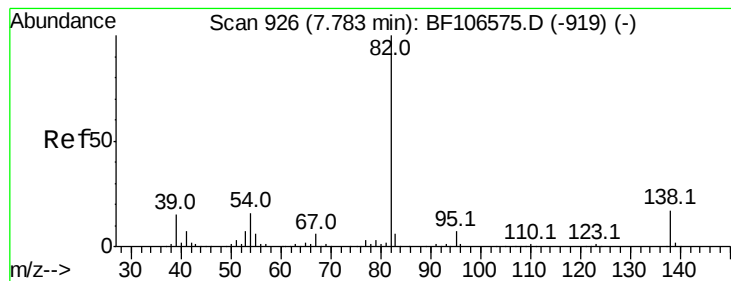
#23
Nitrobenzene-d5
Concen: 13.755 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Tgt Ion:	82	Resp:	50211
Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	48.5	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: 7.806 ng

RT: 7.51 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Instrument :

BNA_F

ClientSampleId :

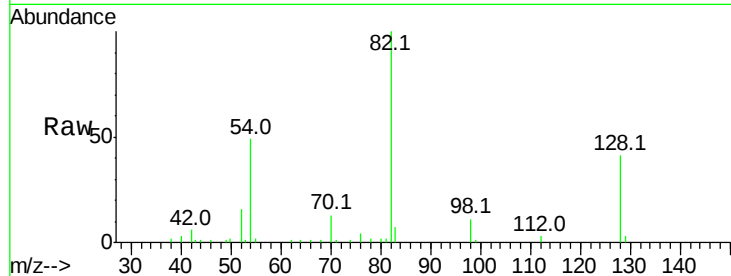
Tot Ion: 82 Resp: 50211

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

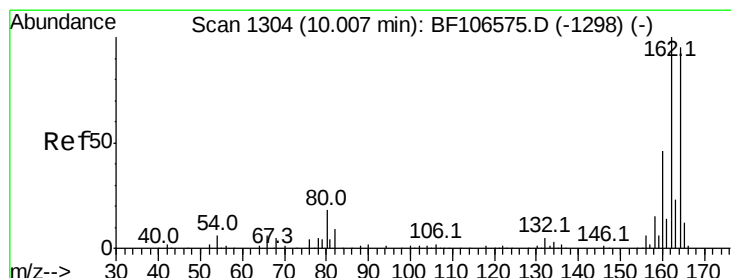
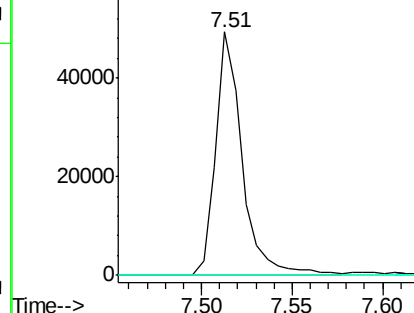
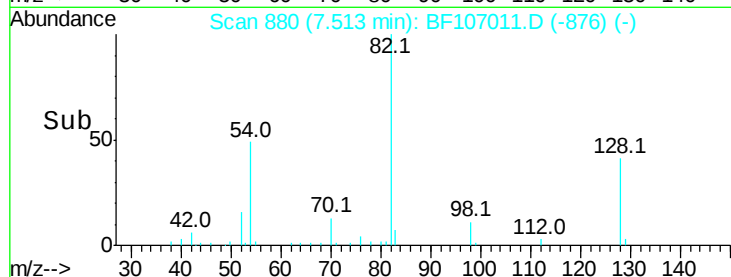
138 0.0 14.9 22.3#



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: BF107011.D

Acq: 30 Jun 2018 13:42

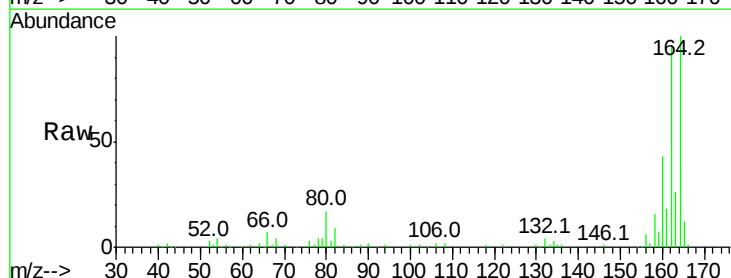
Tgt Ion:164 Resp: 85209

Ion Ratio Lower Upper

164 100

162 96.0 86.1 129.1

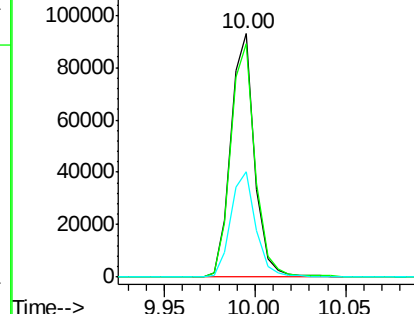
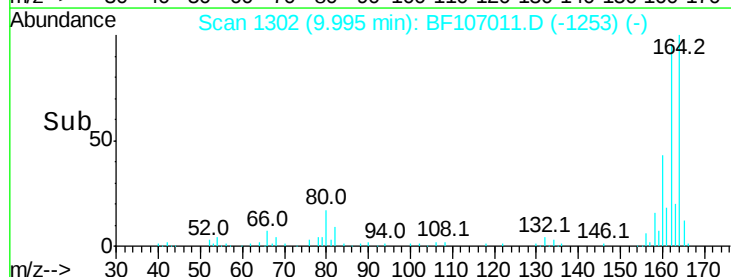
160 43.1 38.3 57.5

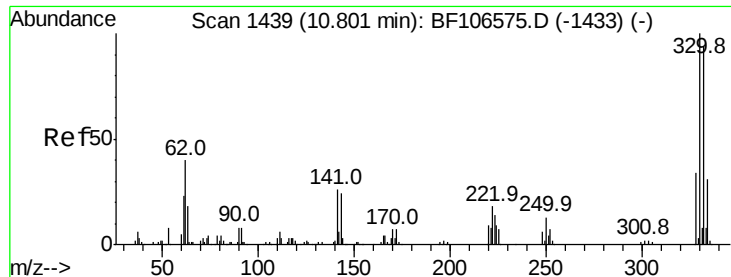


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

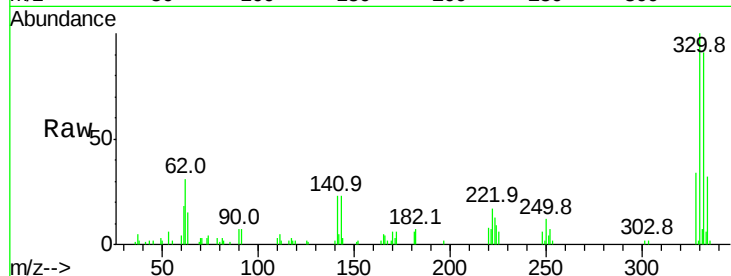




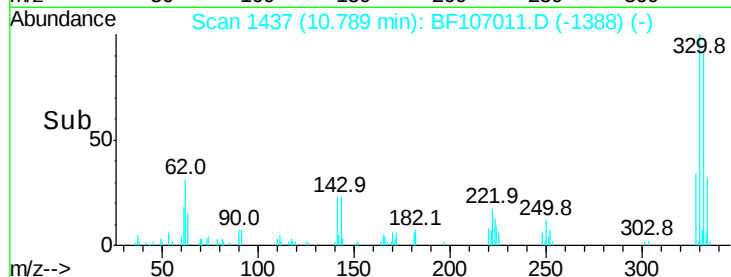
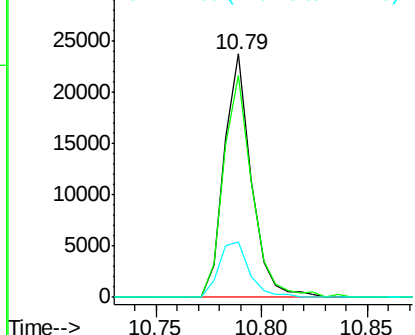
#41
 2,4,6-Tribromophenol
 Concen: 21.445 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 21179
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 25.8 29.9 44.9#

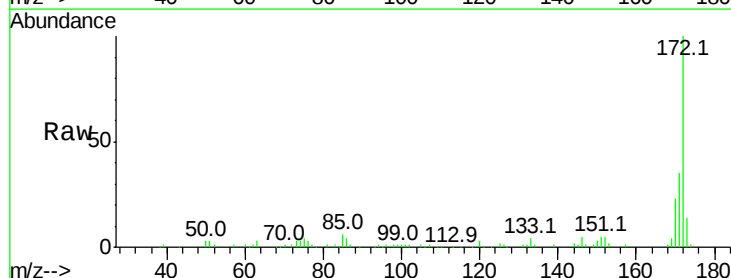


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

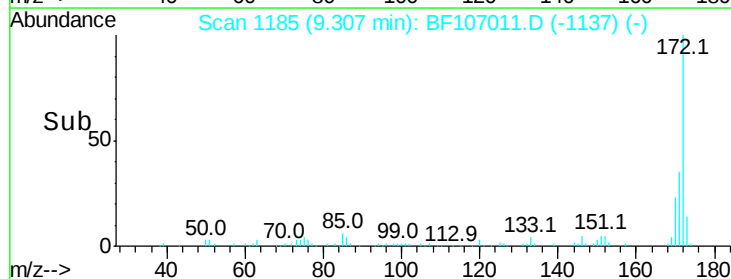
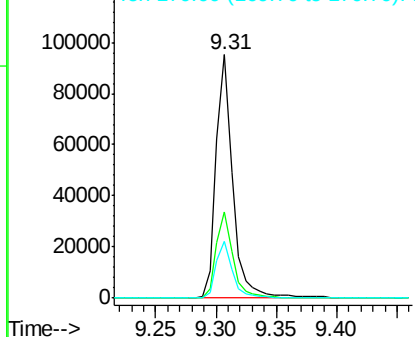


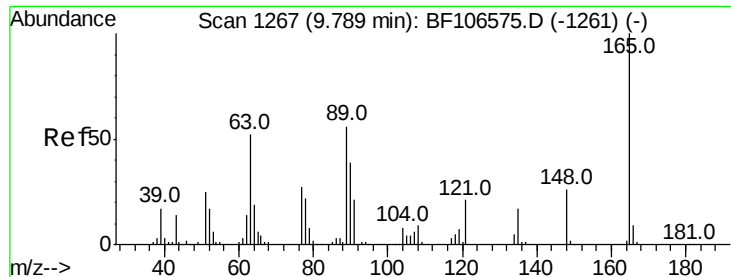
#44
 2-Fluorobiphenyl
 Concen: 3.966 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion:172 Resp: 90760
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.7 44.5
 170 23.4 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

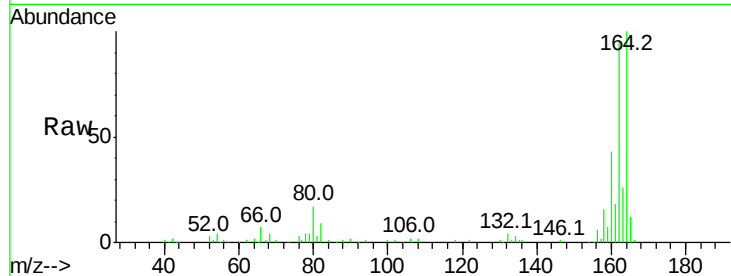




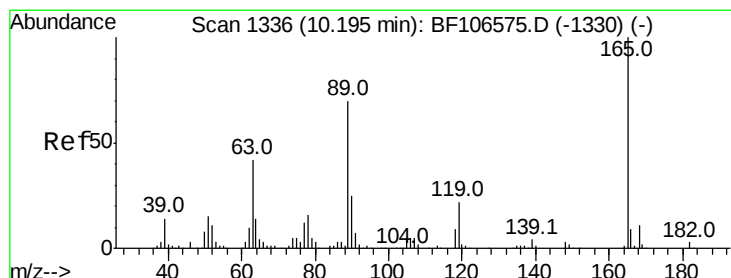
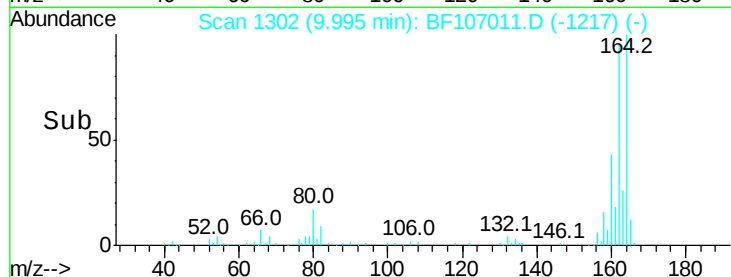
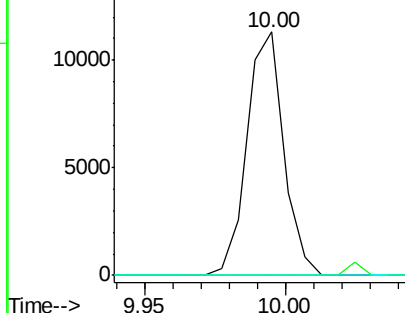
#50
 2,6-Dinitrotoluene
 Concen: 7.548 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. 0.20 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	0.0	44.0	66.0#



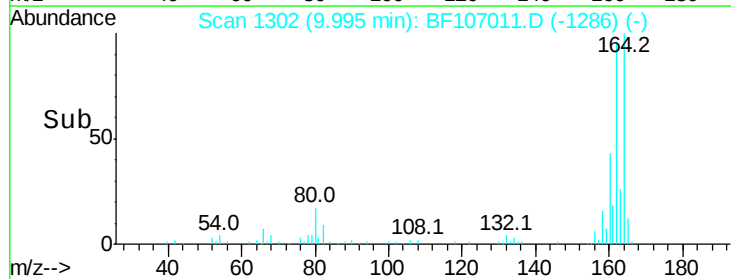
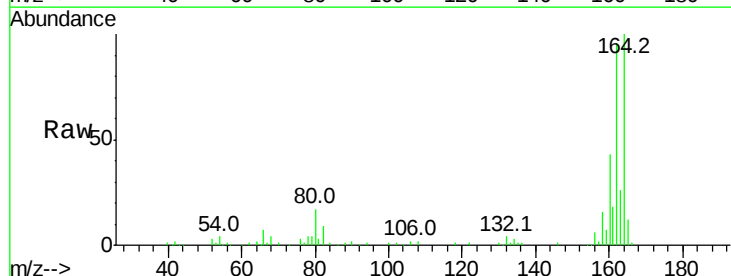
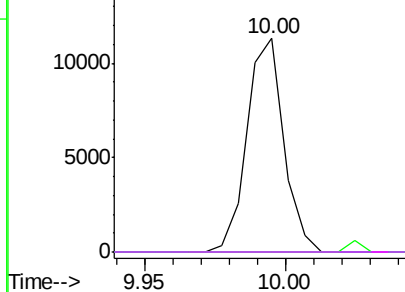
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 5.783 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt 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

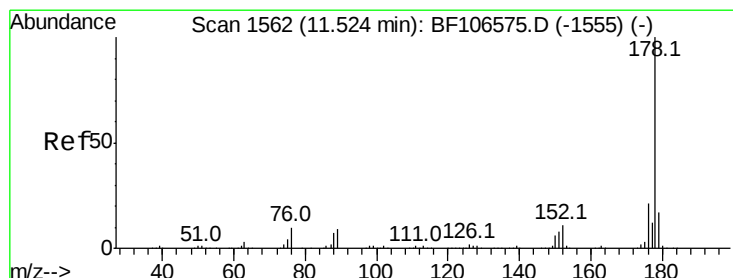
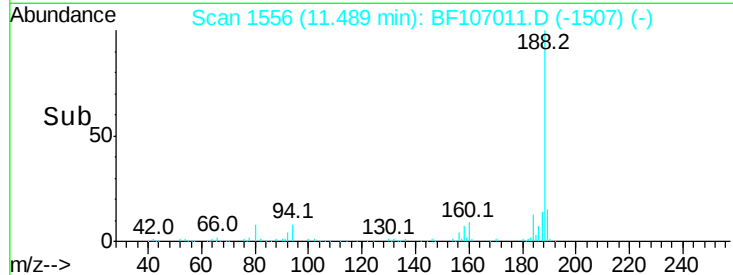
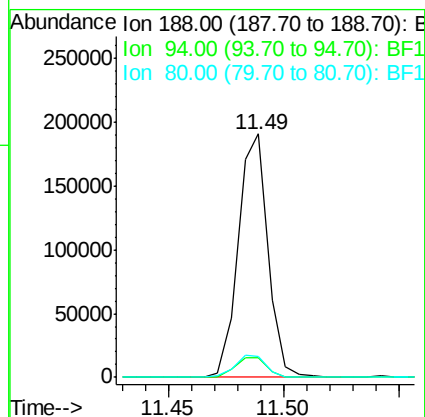
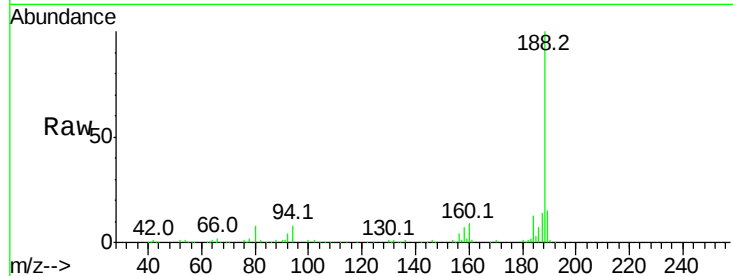




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

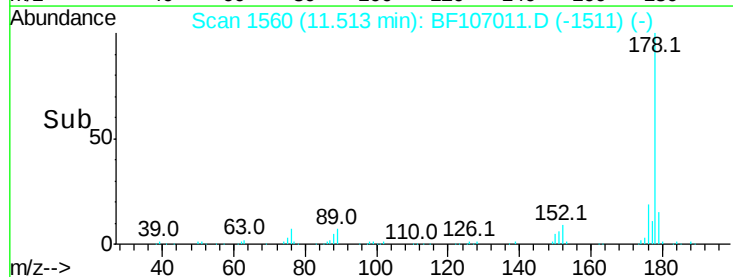
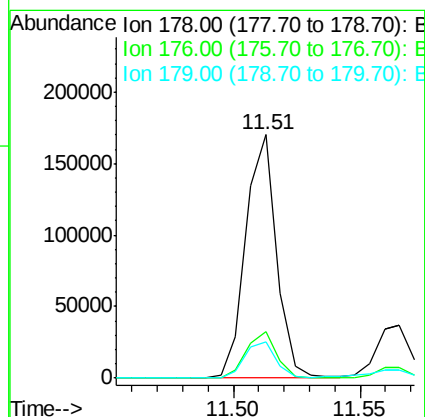
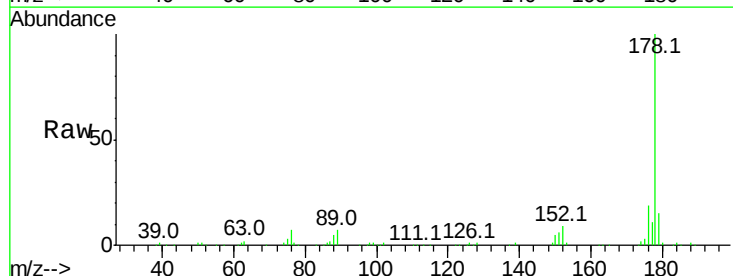
Instrument :
 BNA_F
 ClientSampleId :

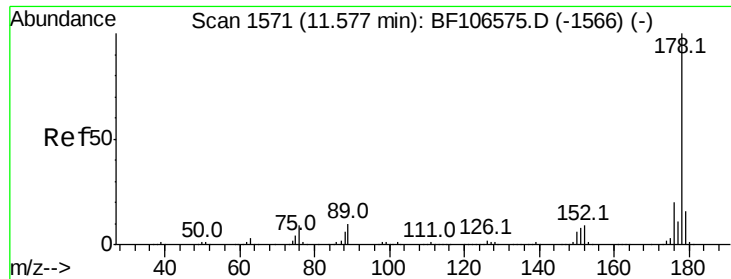
Tot Ion:188 Resp: 171492
 Ion Ratio Lower Upper
 188 100
 94 7.8 8.5 12.7#
 80 8.4 9.2 13.8#



#70
 Phenanthrene
 Concen: 17.416 ng
 RT: 11.51 min Scan# 1560
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion:178 Resp: 144055
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.8 23.8
 179 15.1 13.0 19.6

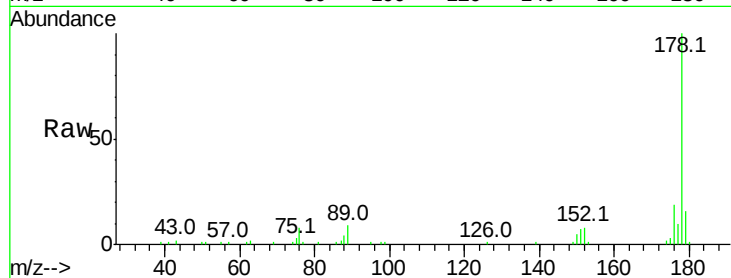




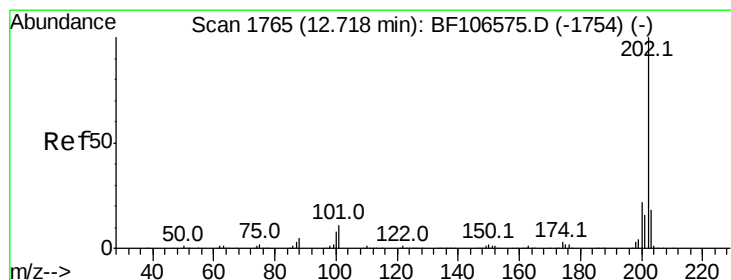
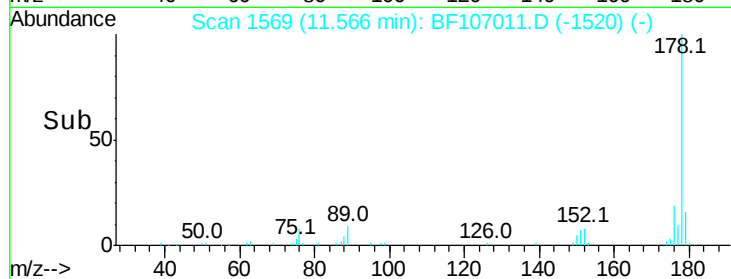
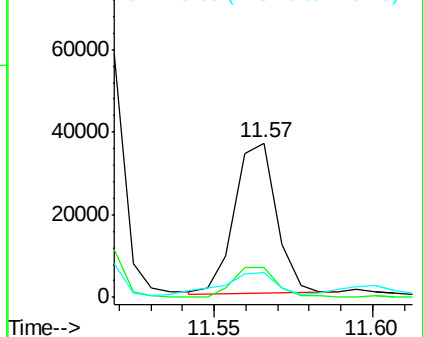
#71
 Anthracene
 Concen: 3.958 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 33414
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.2
 179 15.6 12.6 19.0

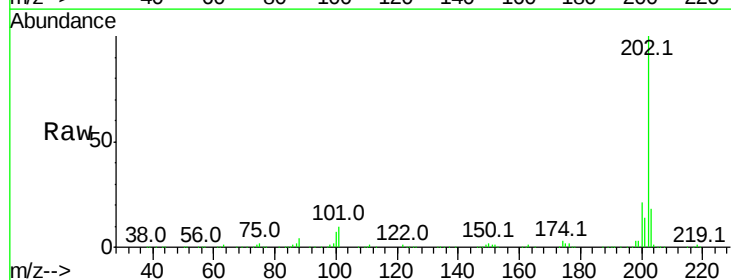


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

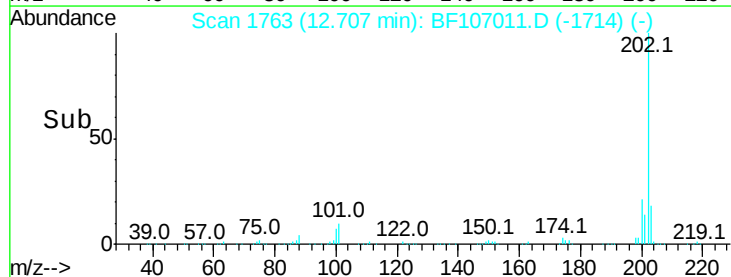
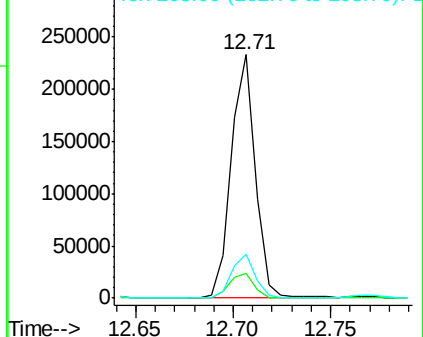


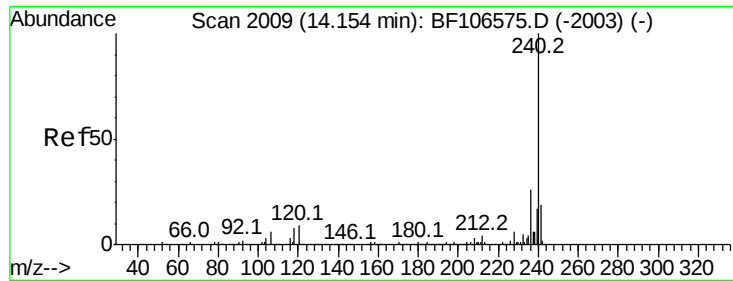
#74
 Fluoranthene
 Concen: 21.930 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion:202 Resp: 199926
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 34.1
 203 18.2 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: BF107011.D

Acq: 30 Jun 2018 13:42

Instrument :

BNA_F

ClientSampleId :

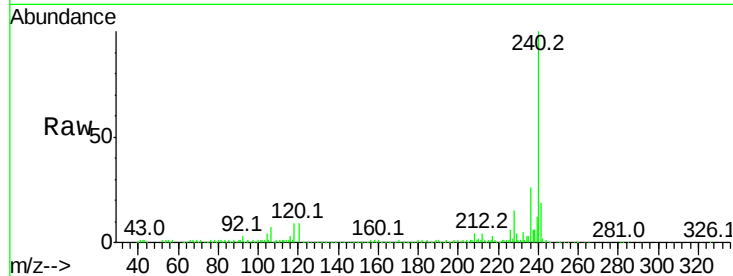
Tot Ion:240 Resp: 212783

Ion Ratio Lower Upper

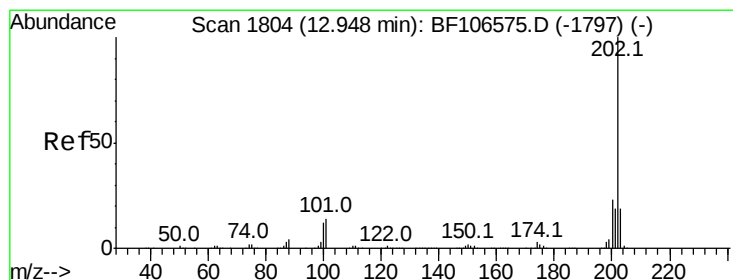
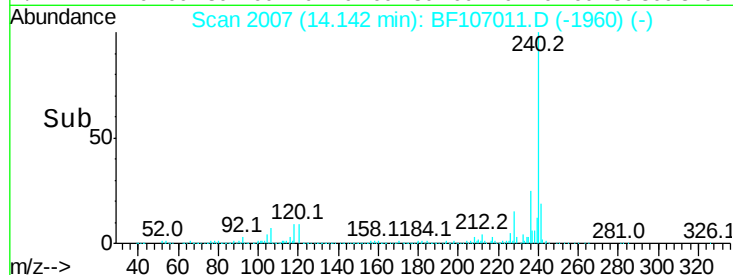
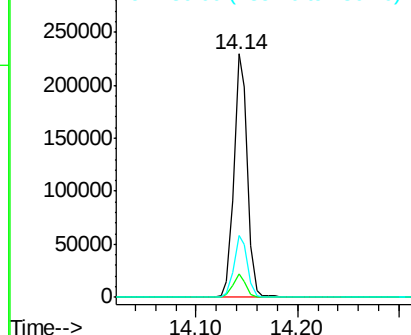
240 100

120 9.5 9.5 14.3#

236 25.7 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: 13.710 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

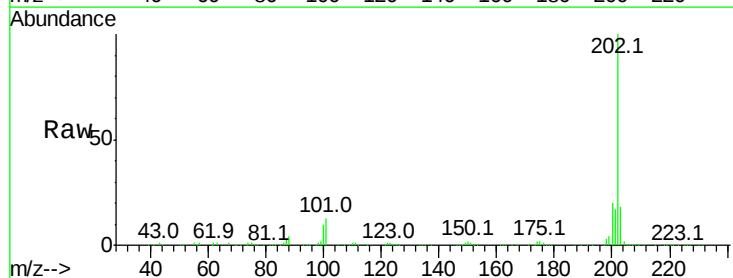
Tgt Ion:202 Resp: 192379

Ion Ratio Lower Upper

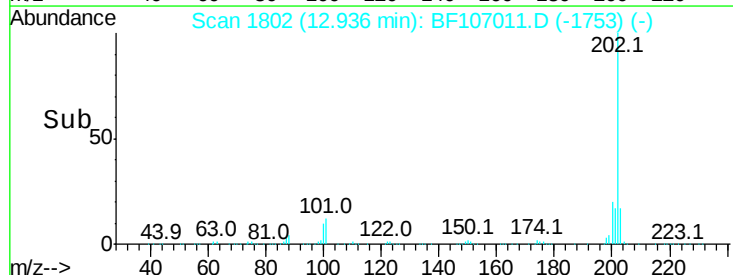
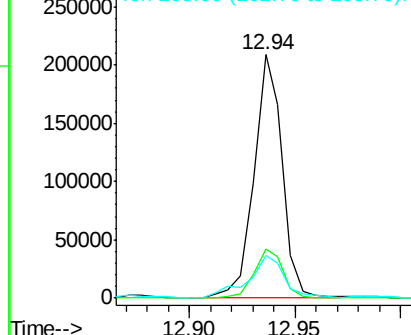
202 100

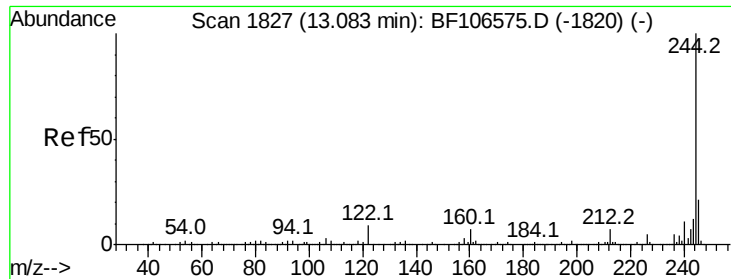
200 20.1 17.4 26.2

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

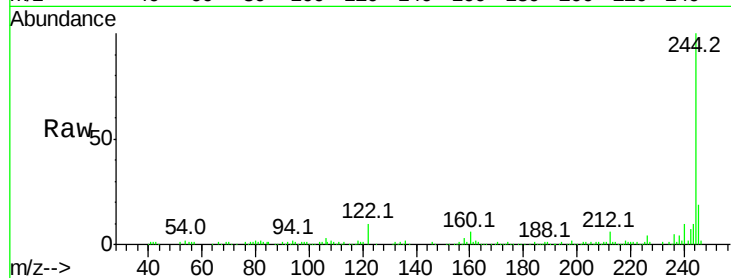




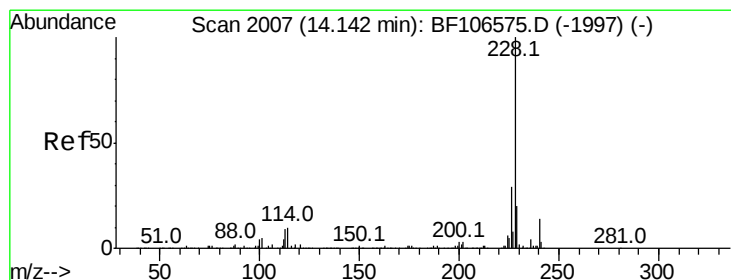
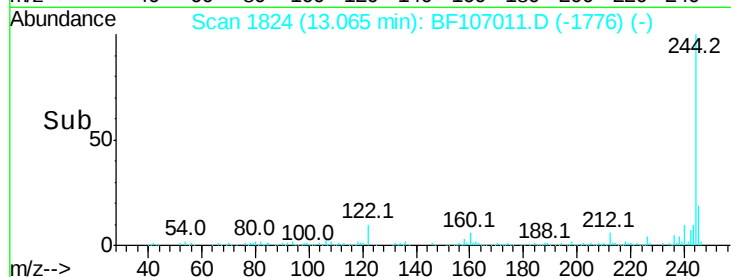
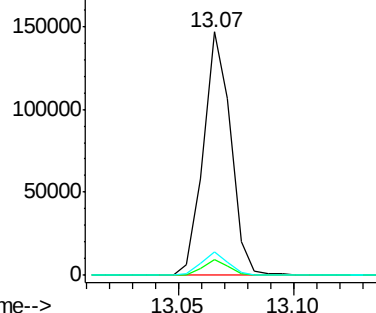
#78
 Terphenyl-d14
 Concen: 13.781 ng
 RT: 13.07 min Scan# 1824
 Delta R.T. -0.02 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 121059
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.6 11.0 16.4#

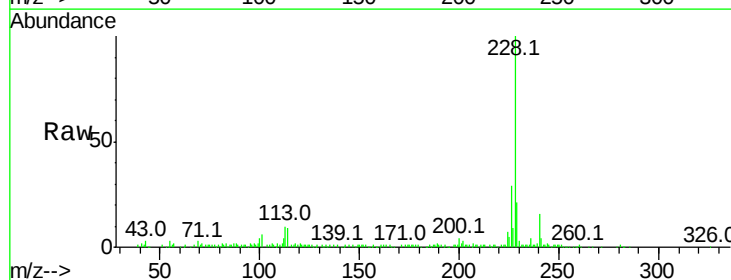


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

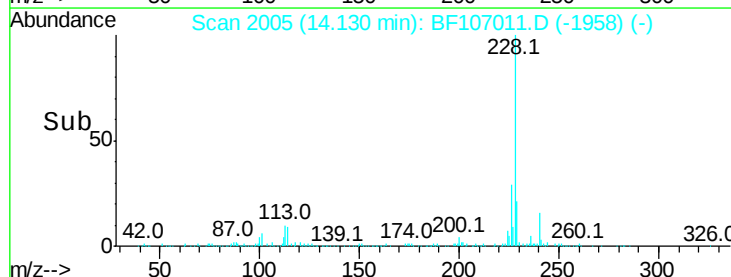
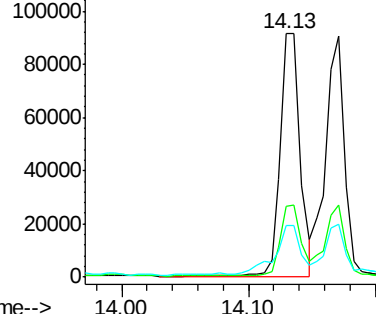


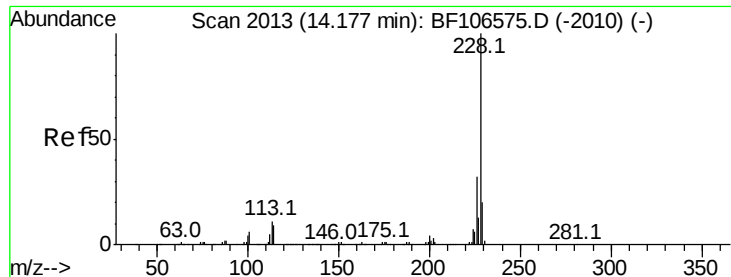
#80
 Benzo(a)anthracene
 Concen: 7.752 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Tgt Ion:228 Resp: 100526
 Ion Ratio Lower Upper
 228 100
 226 28.9 22.6 33.8
 229 21.5 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: 7.805 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.02 min

Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

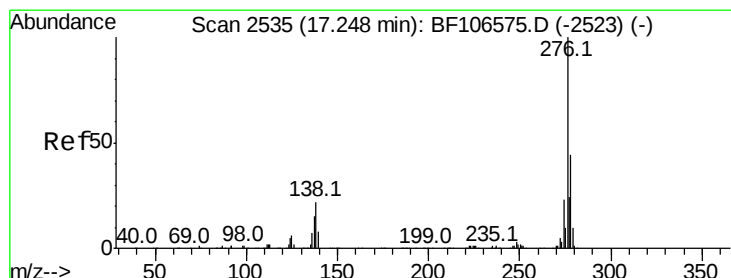
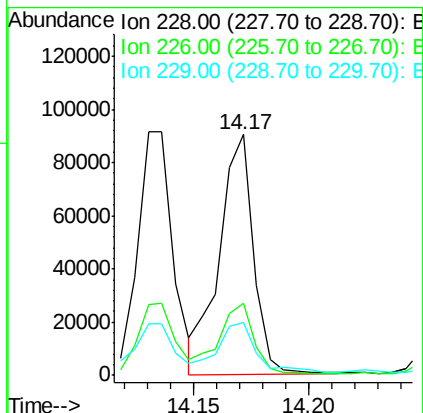
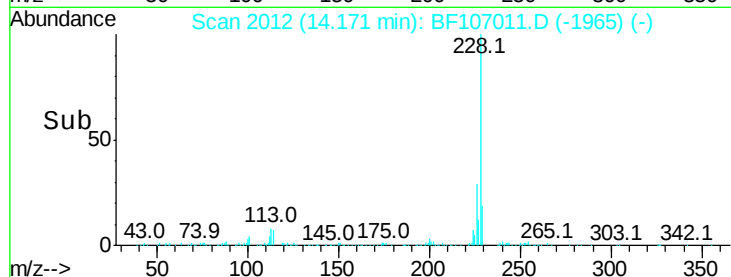
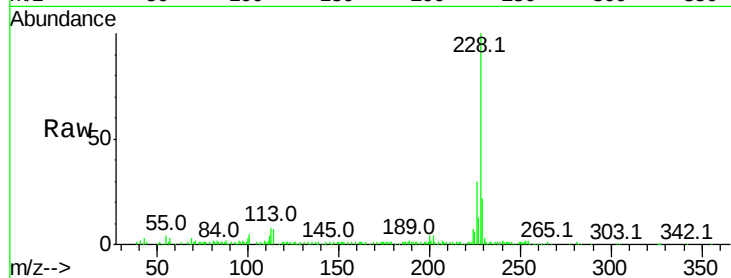
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 93120

Ion	Ratio	Lower	Upper
228	100		
226	30.1	25.0	37.6
229	22.0	16.2	24.4



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.527 ng

RT: 17.27 min Scan# 2538

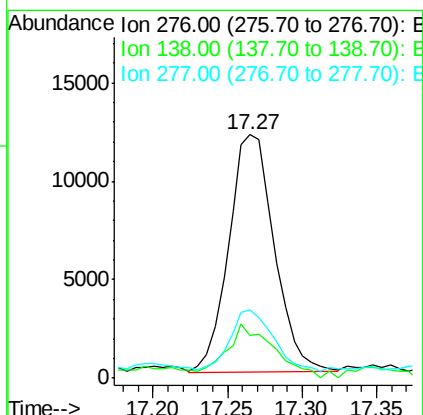
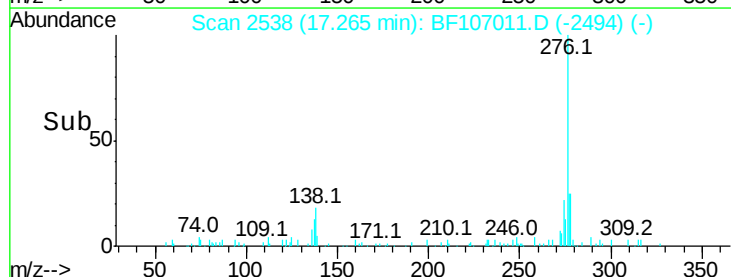
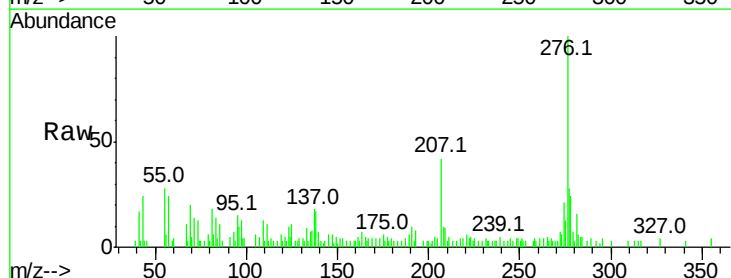
Delta R.T. -0.04 min

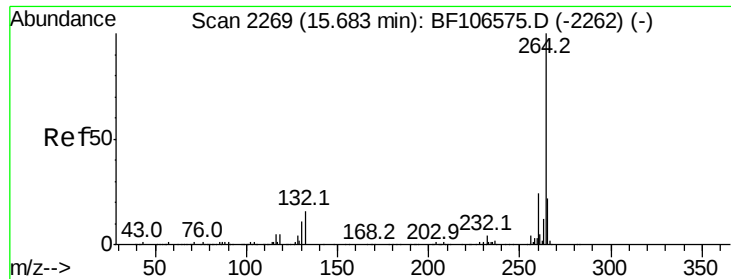
Lab File: BF107011.D

Acq: 30 Jun 2018 13:42

Tgt Ion:276 Resp: 25587

Ion	Ratio	Lower	Upper
276	100		
138	23.8	25.0	37.6#
277	25.6	20.1	30.1



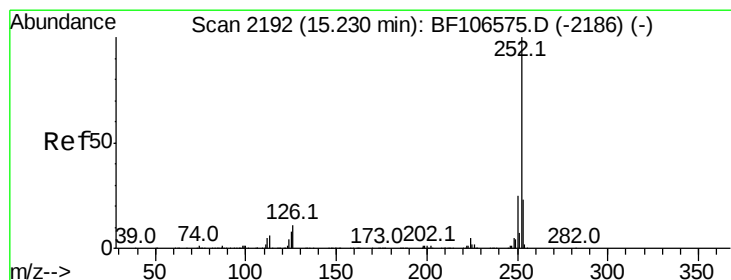
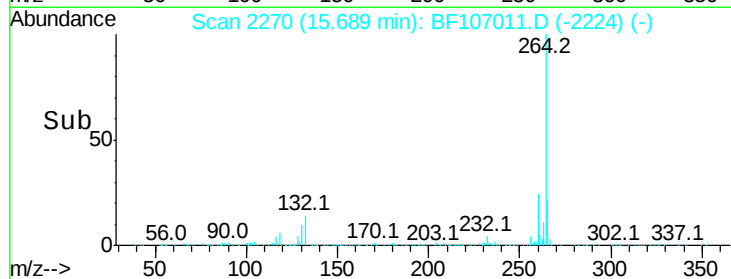
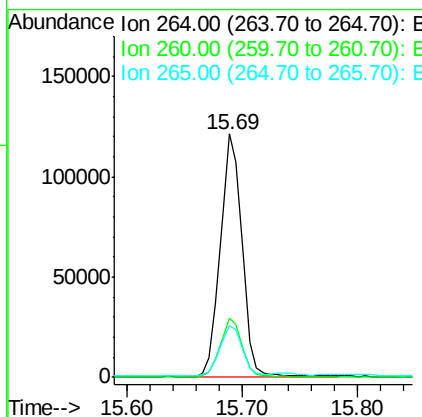
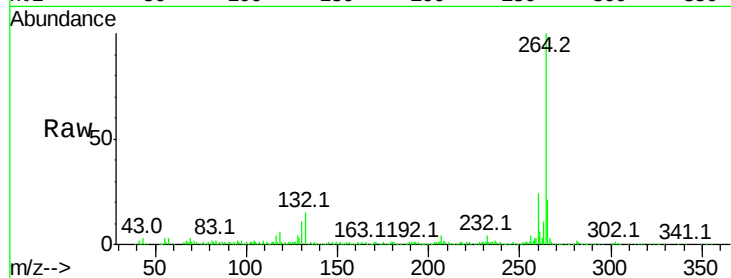


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 157533

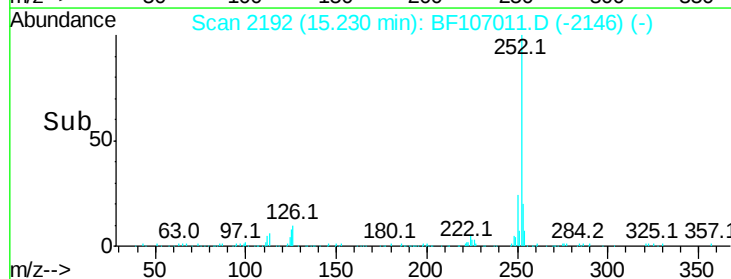
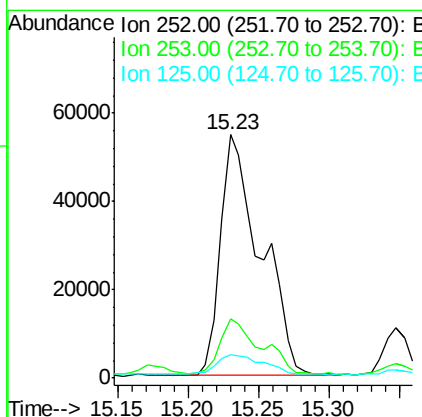
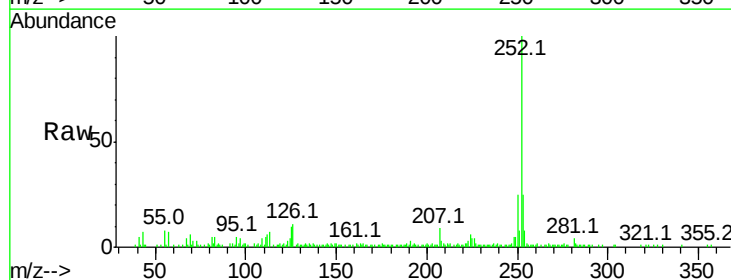
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	21.3	17.5	26.3

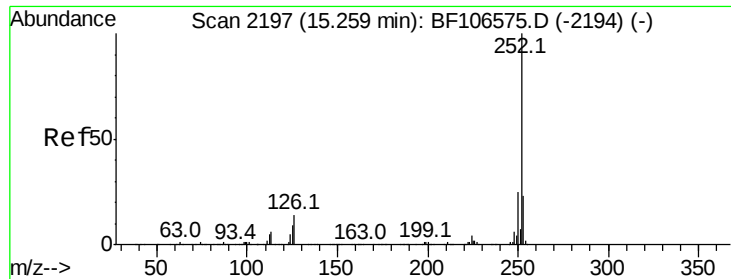


#87
Benzo(b)fluoranthene
Concen: 11.139 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Tgt Ion:252 Resp: 109005

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	9.6	9.0	13.6

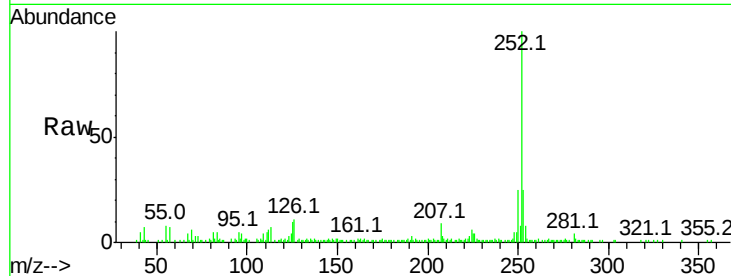




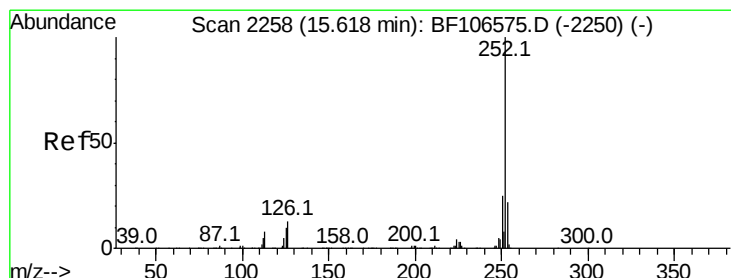
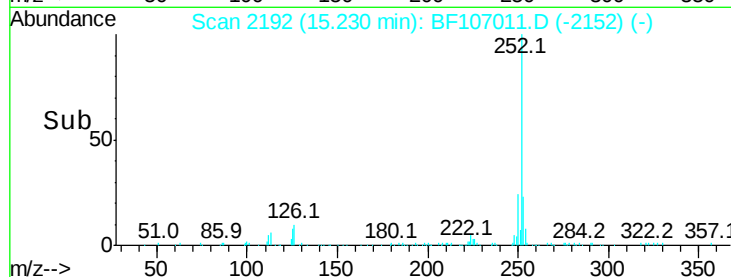
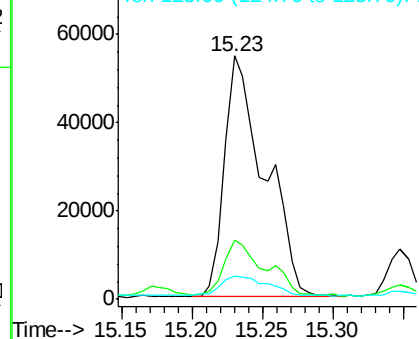
#88
Benzo(k)fluoranthene
Concen: 11.697 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 109005
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 9.6 10.2 15.2#

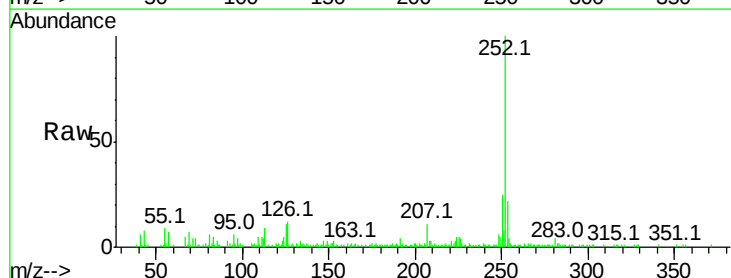


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

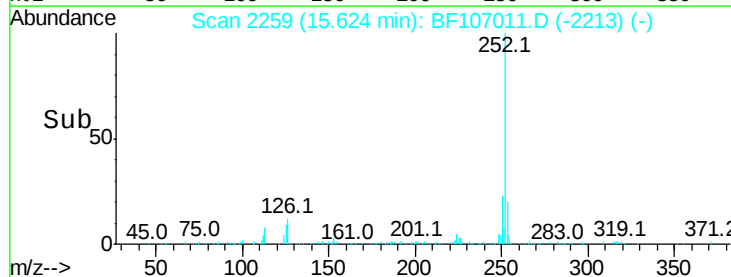
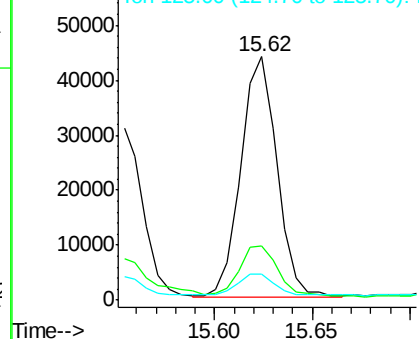


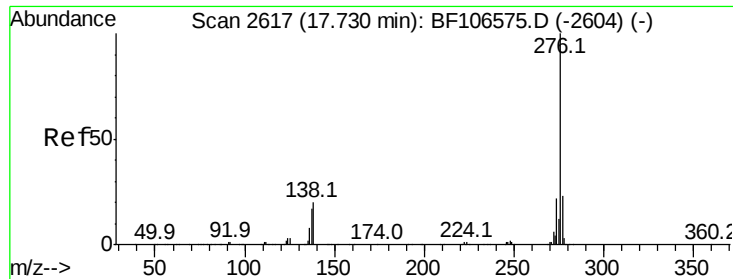
#89
Benzo(a)pyrene
Concen: 6.527 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107011.D
Acq: 30 Jun 2018 13:42

Tgt Ion:252 Resp: 56784
Ion Ratio Lower Upper
252 100
253 22.0 17.1 25.7
125 10.9 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91
 Benzo(a,h,i)perylene
 Concen: 3.671 ng
 RT: 17.75 min Scan# 2620
 Delta R.T. -0.04 min
 Lab File: BF107011.D
 Acq: 30 Jun 2018 13:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	20.4	21.8	32.8

