

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF062918\
 Data File : BF106979.D
 Acq On : 29 Jun 2018 18:00
 Operator : JU/SJ
 Sample : J3677-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 93-95-B3(0-2.5)

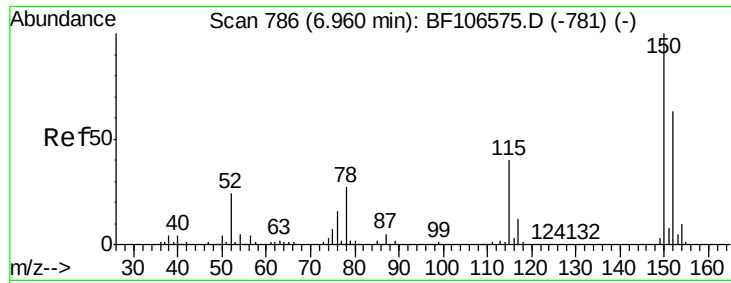
Quant Time: Jun 29 23:09:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	77849	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	293159	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	138965	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	240409	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	211215	20.00	ng	-0.02
86) Perylene-d12	15.69	264	164395	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	445565	96.92	ng	0.00
7) Phenol-d6	6.60	99	560857	97.69	ng	-0.02
23) Nitrobenzene-d5	7.52	82	350327	66.41	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	169431	105.19	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	659168	79.30	ng	-0.02
78) Terphenyl-d14	13.07	244	666029	76.38	ng	-0.01

Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.52	70	46080	12.176	ng	# 71
25) Isophorone	7.52	82	350321	37.687	ng	# 64
49) Dimethylphthalate	9.70	163	99521	9.549	ng	# 98
56) 2,4-Dinitrotoluene	10.00	165	17688	6.140	ng	# 22
66) 4-Bromophenyl-phenylether	10.79	248	10227	3.564	ng	# 1
70) Phenanthrene	11.51	178	44795	3.863	ng	96
74) Fluoranthene	12.71	202	70860	5.544	ng	94
77) Pyrene	12.94	202	64785	4.651	ng	98
80) Benzo(a)anthracene	14.13	228	33833	2.628	ng	96
82) Chrysene	14.17	228	29841	2.520	ng	98
83) Bis(2-ethylhexyl)phthalate	14.09	149	16110	2.200	ng	# 95
87) Benzo(b)fluoranthene	15.23	252	42691	4.180	ng	# 95
88) Benzo(k)fluoranthene	15.23	252	42691	4.390	ng	# 95
89) Benzo(a)pyrene	15.62	252	22135	2.438	ng	97

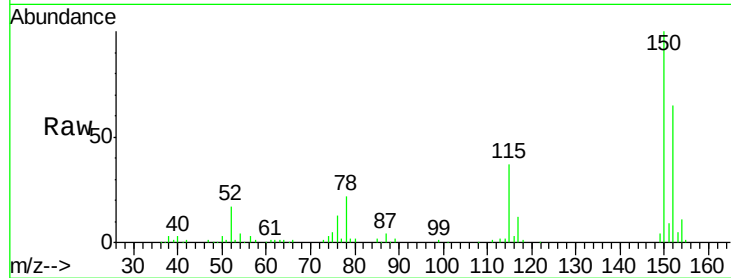
(#) = qualifier out of range (m) = manual integration (+) = signals summed



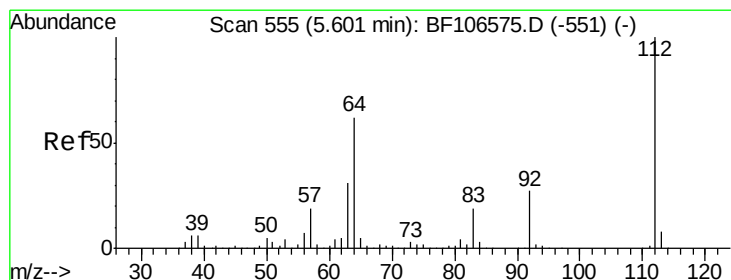
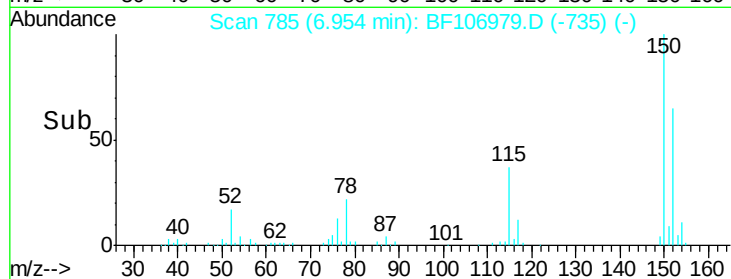
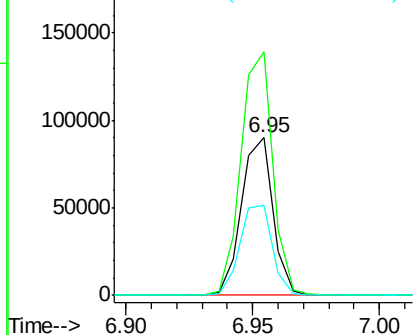
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.95 min Scan# 785
 Delta R.T. -0.01 min
 Lab File: BF106979.D
 Acq: 29 Jun 2018 18:00

Instrument :
 BNA_F
 ClientSampleId :
 93-95-B3(0-2.5)

Tgt Ion:152 Resp: 77849
 Ion Ratio Lower Upper
 152 100
 150 154.5 124.6 186.8
 115 57.4 50.1 75.1

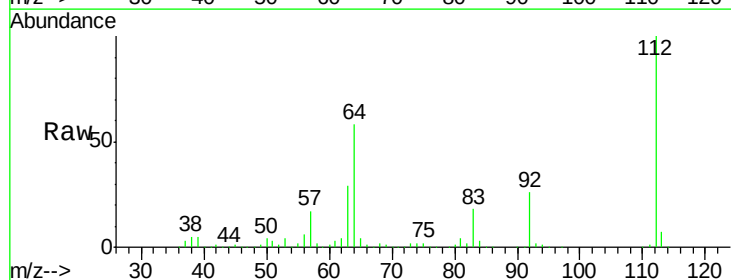


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

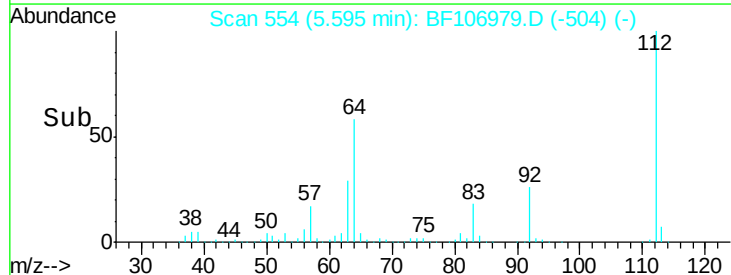
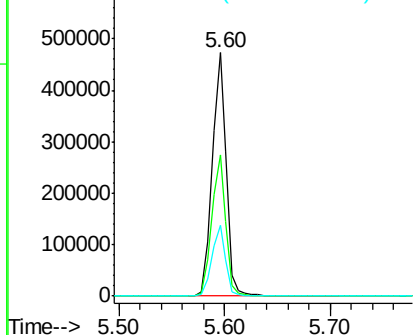


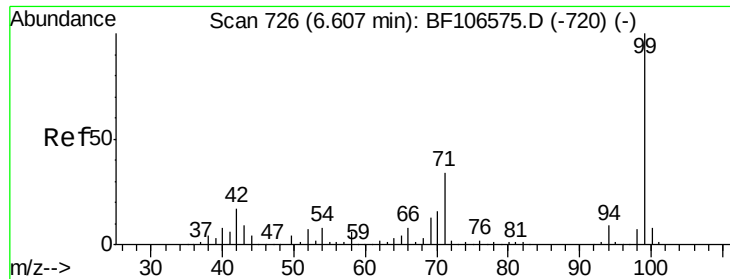
#5
 2-Fluorophenol
 Concen: 96.916 ng
 RT: 5.60 min Scan# 554
 Delta R.T. -0.01 min
 Lab File: BF106979.D
 Acq: 29 Jun 2018 18:00

Tgt Ion:112 Resp: 445565
 Ion Ratio Lower Upper
 112 100
 64 58.2 47.9 71.9
 63 28.9 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: 97.688 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

Instrument :

BNA_F

ClientSampleId :

93-95-B3(0-2.5)

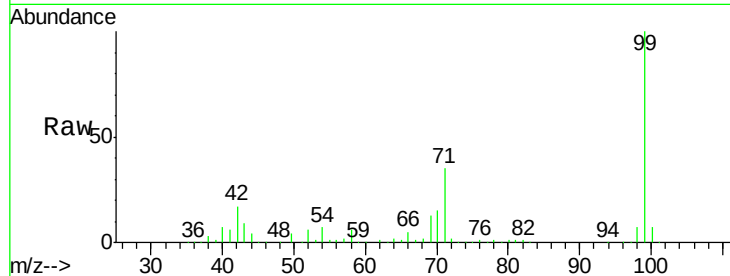
Tgt Ion: 99 Resp: 560857

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

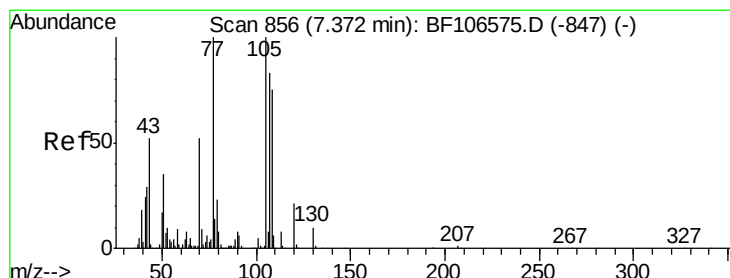
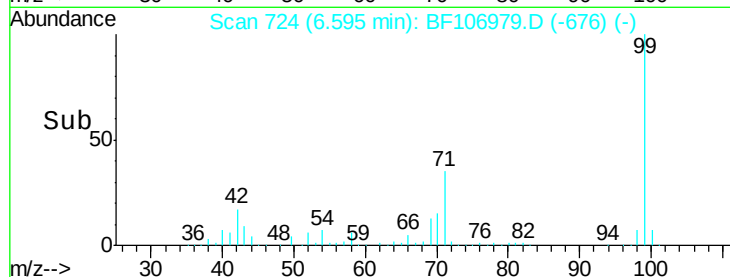
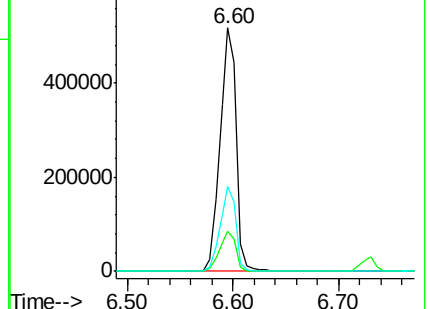
71 34.7 25.4 38.0



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: 12.176 ng

RT: 7.52 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

Tgt Ion: 70 Resp: 46080

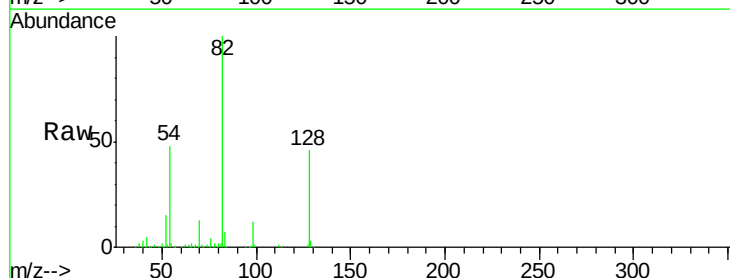
Ion Ratio Lower Upper

70 100

42 39.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

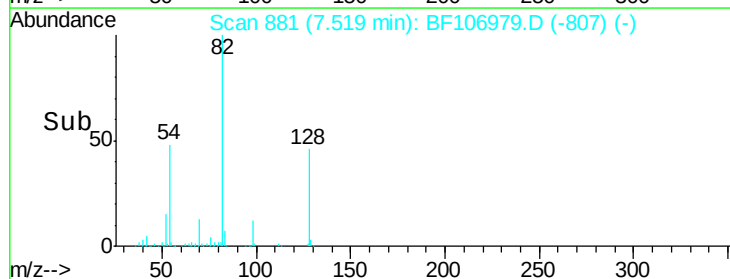
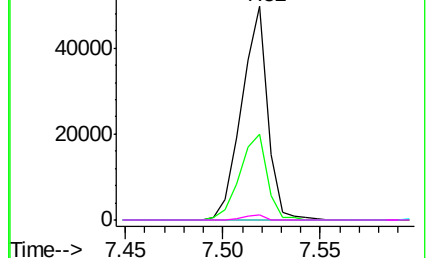


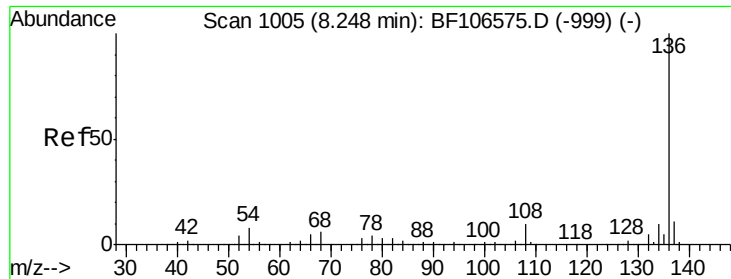
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

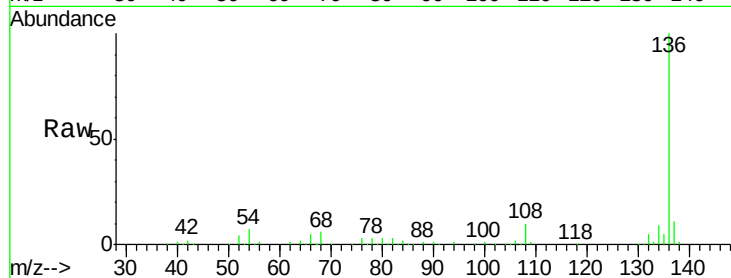




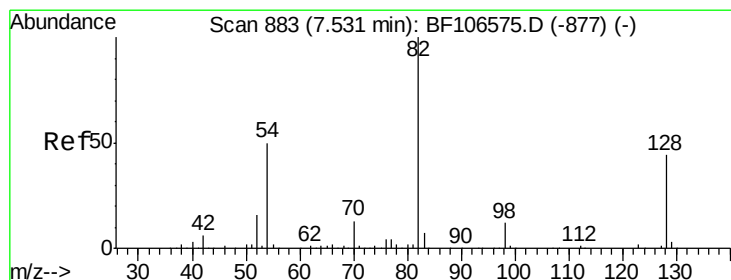
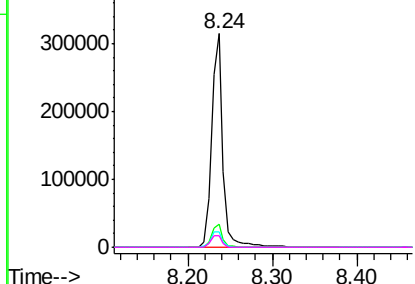
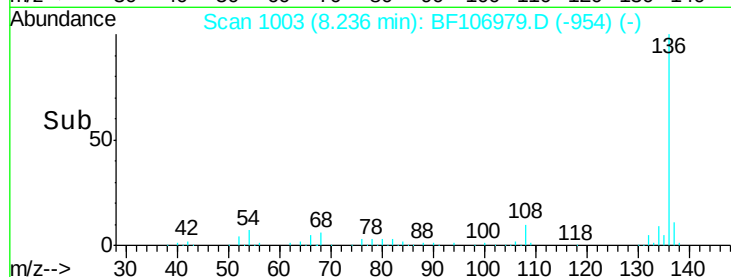
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

Instrument :
BNA_F
ClientSampleId :
93-95-B3(0-2.5)

Tgt Ion:	136	Resp:	293159
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.3	6.6	9.8
68	5.6	5.0	7.4

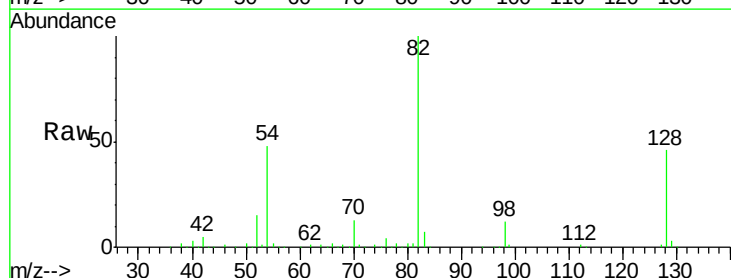


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

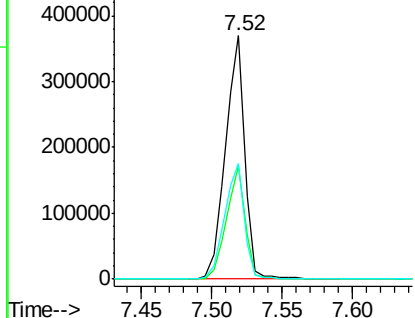
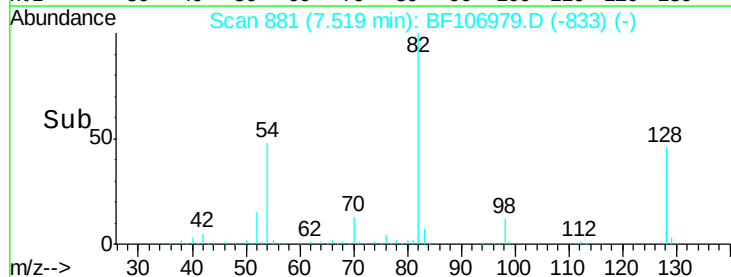


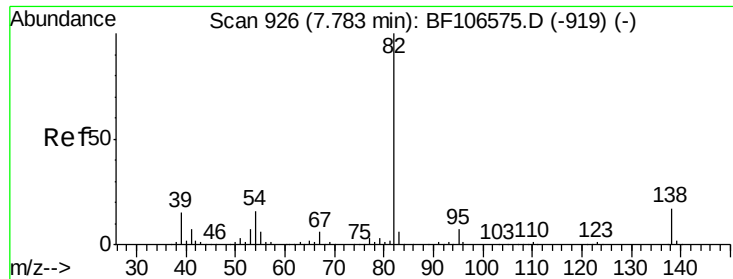
#23
Nitrobenzene-d5
Concen: 66.411 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

Tgt Ion:	82	Resp:	350327
Ion	Ratio	Lower	Upper
82	100		
128	46.2	36.1	54.1
54	47.6	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: 37.687 ng

RT: 7.52 min Scan# 881

Delta R.T. -0.27 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

Instrument :

BNA_F

ClientSampleId :

93-95-B3(0-2.5)

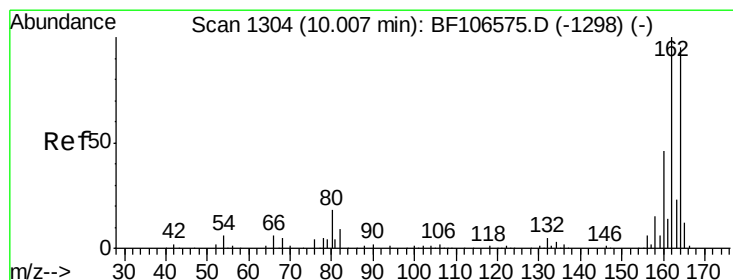
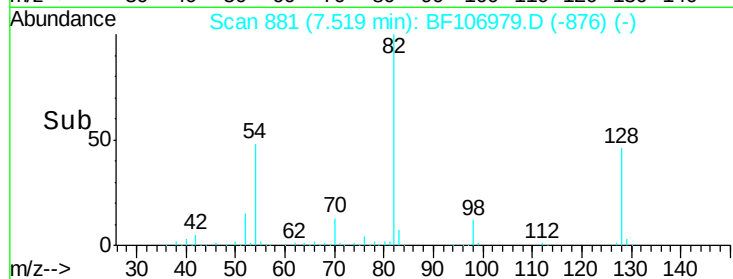
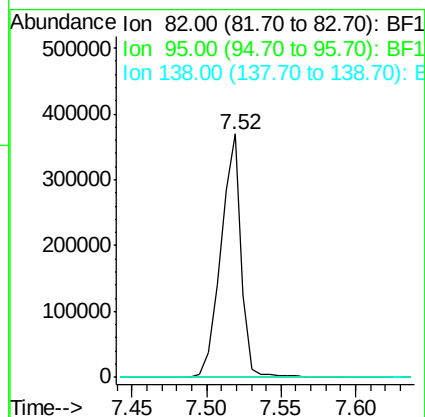
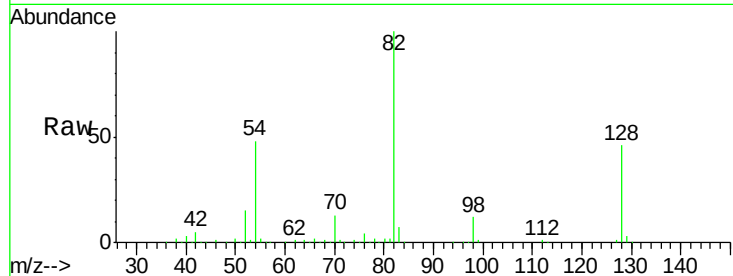
Tgt Ion: 82 Resp: 350321

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

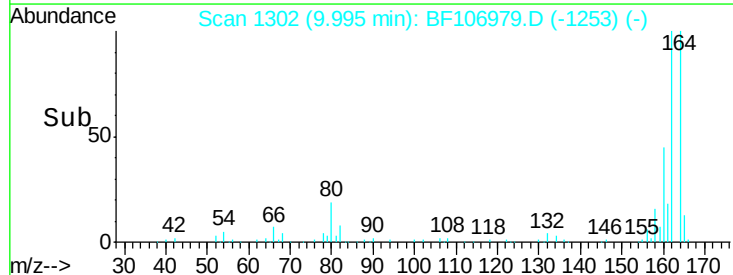
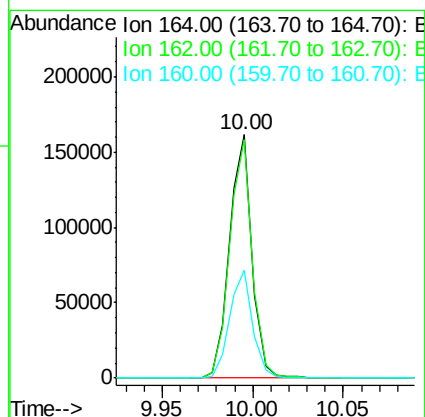
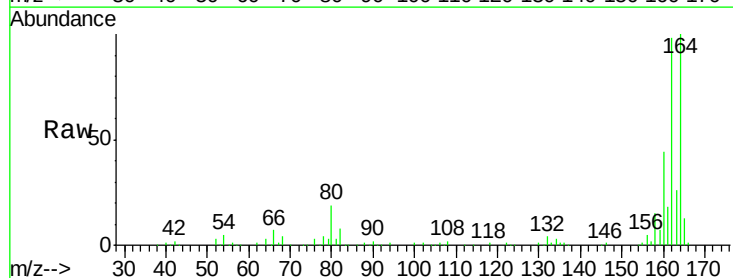
Tgt Ion: 164 Resp: 138965

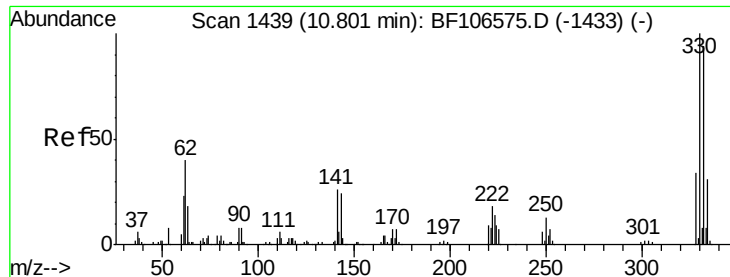
Ion Ratio Lower Upper

164 100

162 97.7 86.1 129.1

160 44.2 38.3 57.5

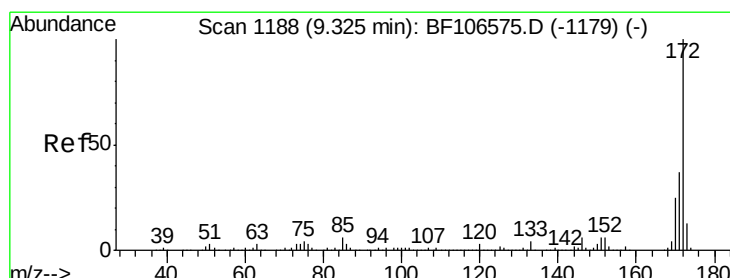
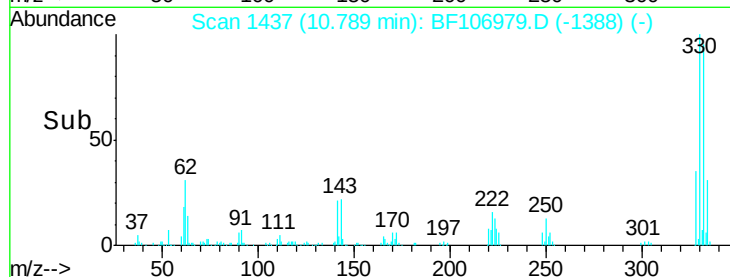
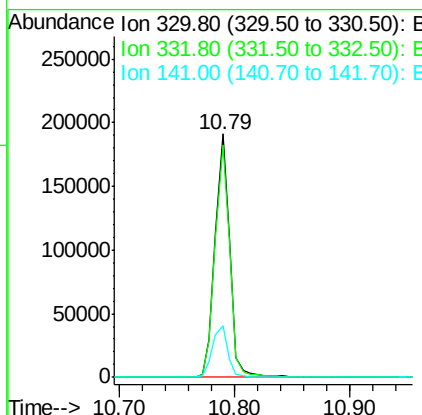
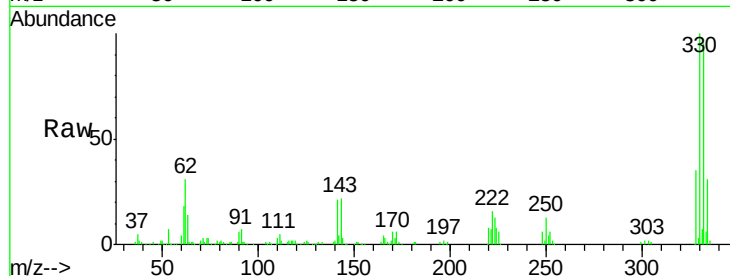




#41
 2,4,6-Tribromophenol
 Concen: 105.195 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF106979.D
 Acq: 29 Jun 2018 18:00

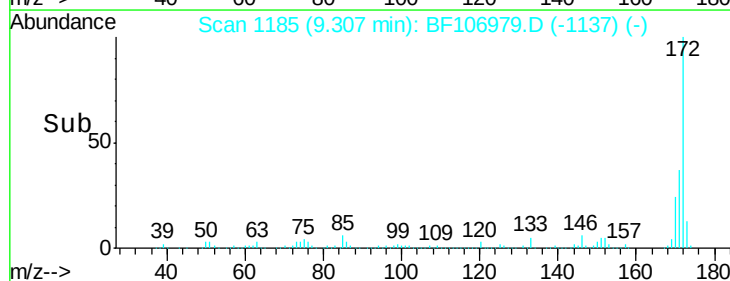
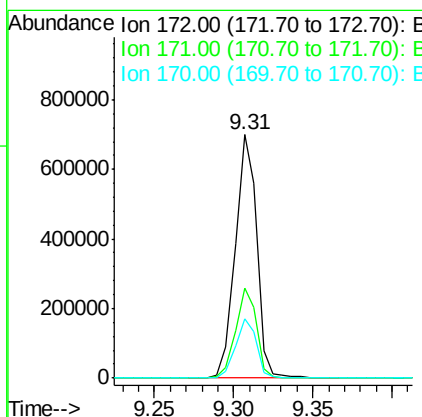
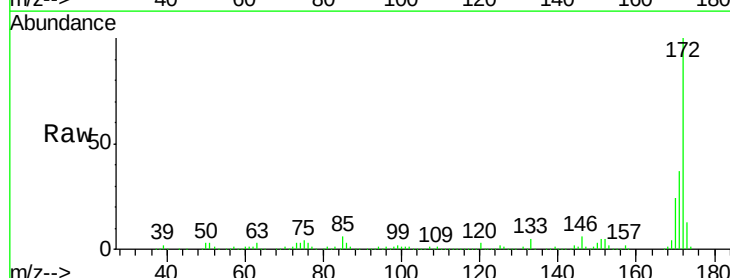
Instrument :
 BNA_F
 ClientSampleId :
 93-95-B3(0-2.5)

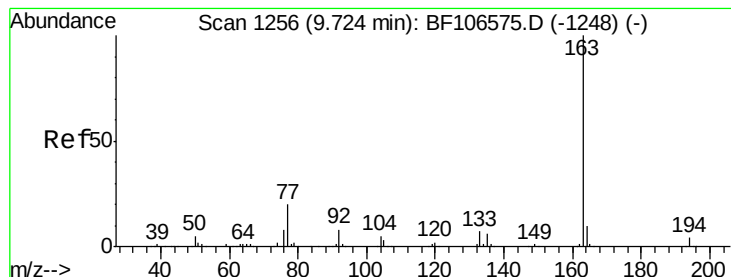
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	22.7	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 79.299 ng
 RT: 9.31 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF106979.D
 Acq: 29 Jun 2018 18:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.4	19.6	29.4





#49

Dimethylphthalate

Concen: 9.549 ng

RT: 9.70 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

Instrument :

BNA_F

ClientSampleId :

93-95-B3(0-2.5)

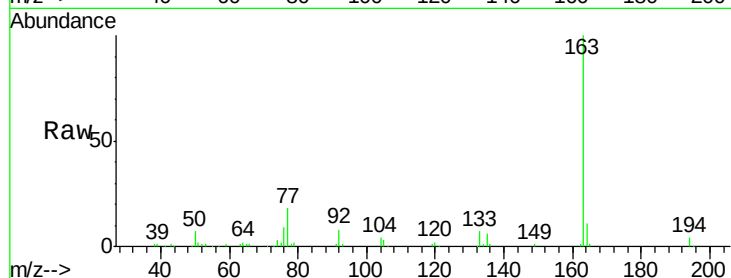
Tgt Ion:163 Resp: 99521

Ion Ratio Lower Upper

163 100

194 4.1 2.7 4.1#

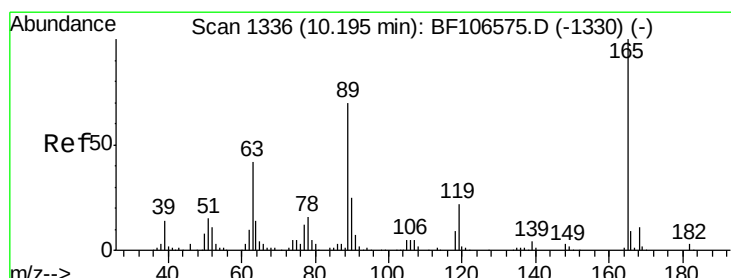
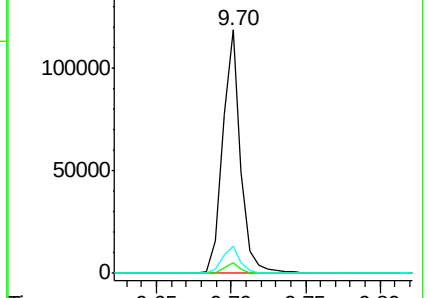
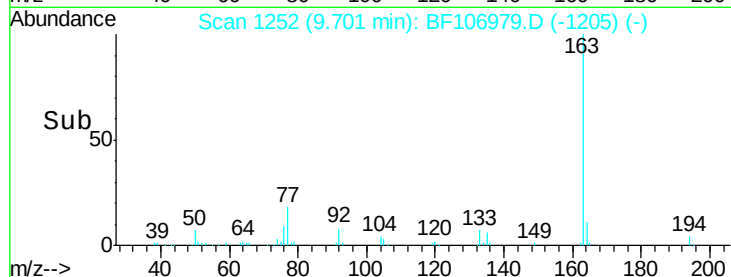
164 11.0 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.140 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.21 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

Tgt Ion:165 Resp: 17688

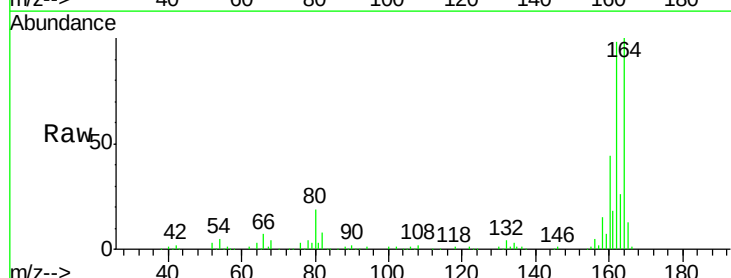
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

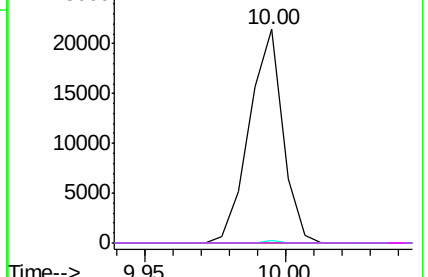
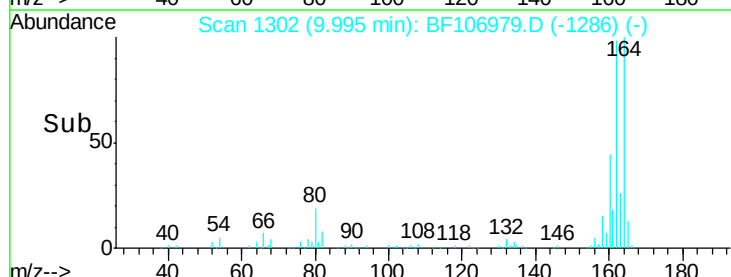


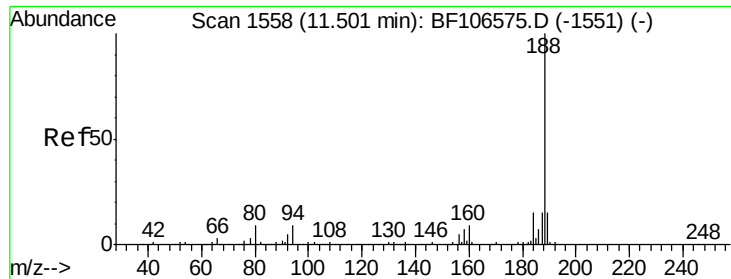
Abundance Ion 165.00 (164.70 to 165.70): E

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

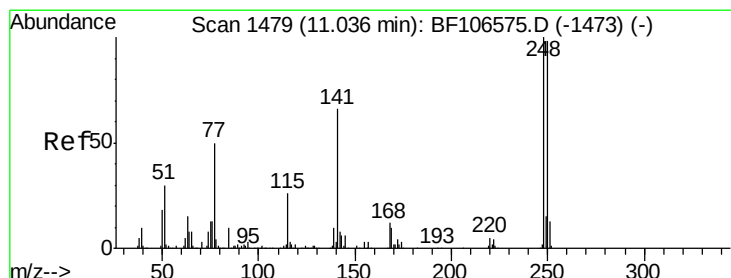
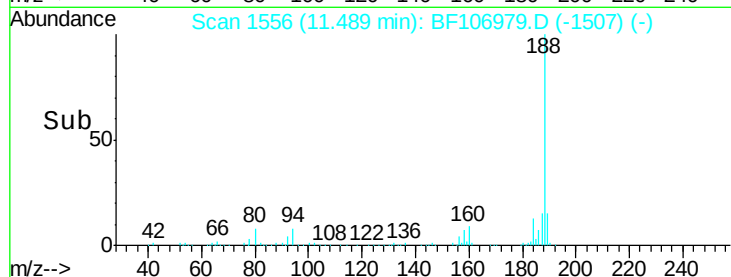
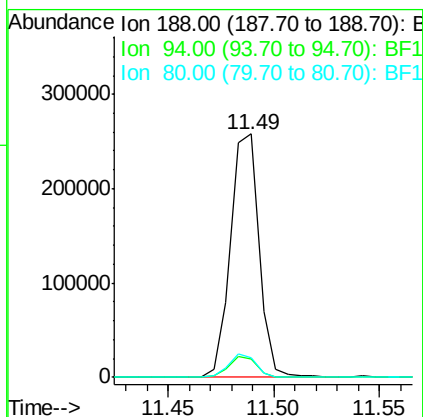
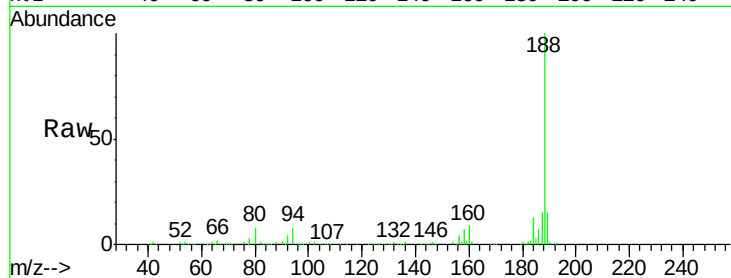




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

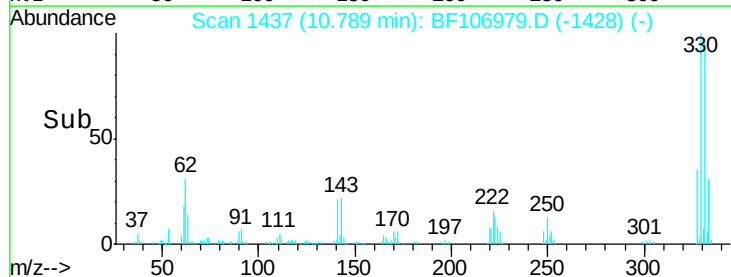
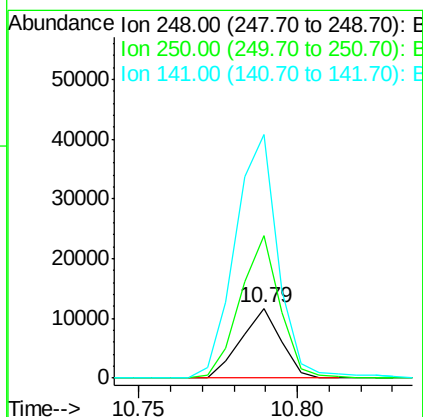
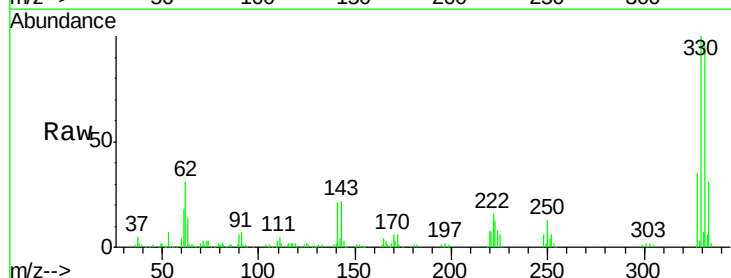
Instrument :
BNA_F
ClientSampleId :
93-95-B3(0-2.5)

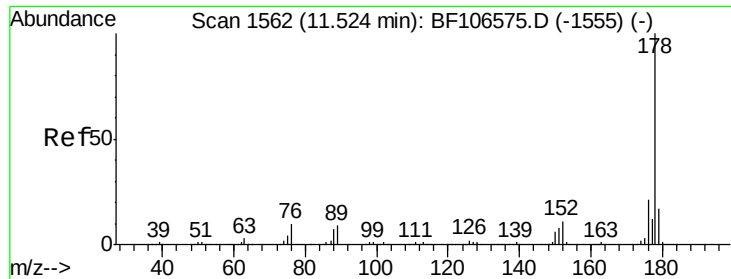
Tgt Ion:188 Resp: 240409
Ion Ratio Lower Upper
188 100
94 7.8 8.5 12.7#
80 7.9 9.2 13.8#



#66
4-Bromophenyl-phenylether
Concen: 3.564 ng
RT: 10.79 min Scan# 1437
Delta R.T. -0.25 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

Tgt Ion:248 Resp: 10227
Ion Ratio Lower Upper
248 100
250 203.7 76.9 115.3#
141 347.2 74.4 111.6#





#70

Phenanthrene

Concen: 3.863 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.02 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

Instrument :

BNA_F

ClientSampleId :

93-95-B3(0-2.5)

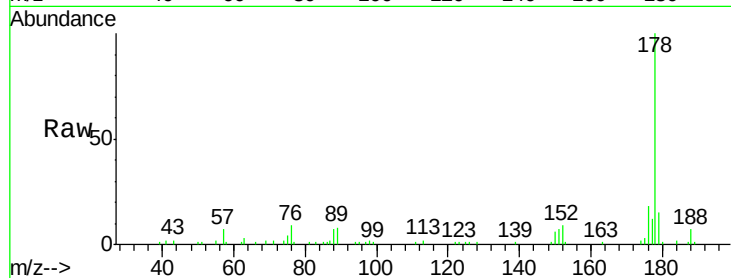
Tgt Ion:178 Resp: 44795

Ion Ratio Lower Upper

178 100

176 17.7 15.8 23.8

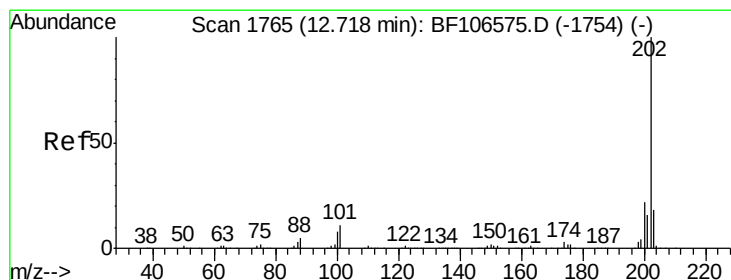
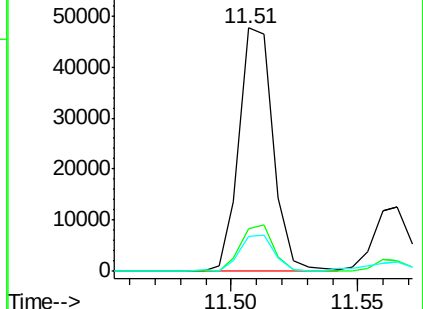
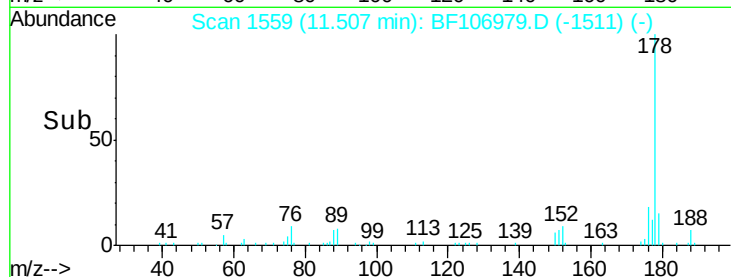
179 14.6 13.0 19.6



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: 5.544 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

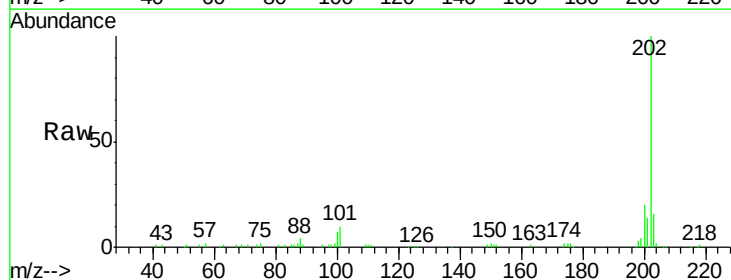
Tgt Ion:202 Resp: 70860

Ion Ratio Lower Upper

202 100

101 10.0 0.0 34.1

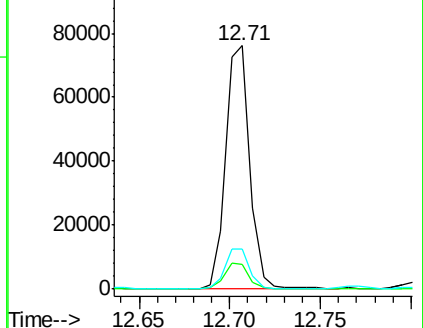
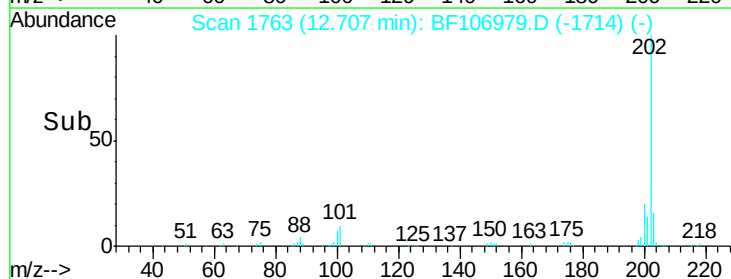
203 16.5 0.0 38.1

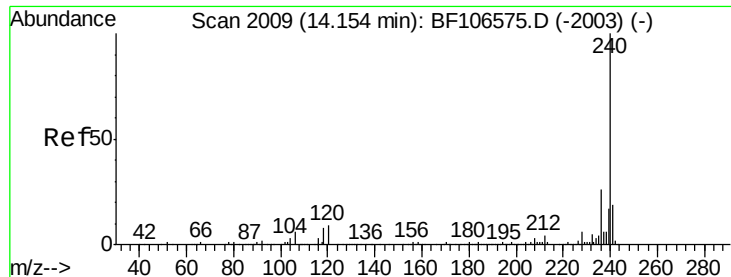


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF106979.D

Acq: 29 Jun 2018 18:00

Instrument :

BNA_F

ClientSampleId :

93-95-B3(0-2.5)

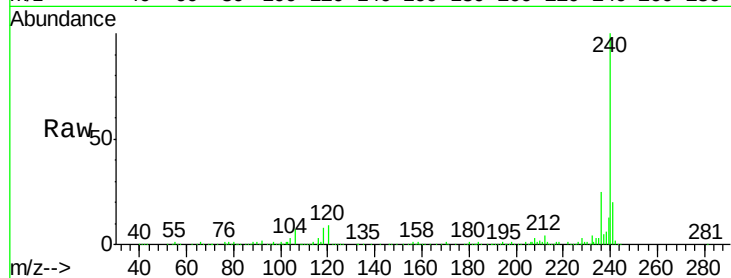
Tgt Ion:240 Resp: 211215

Ion Ratio Lower Upper

240 100

120 8.9 9.5 14.3#

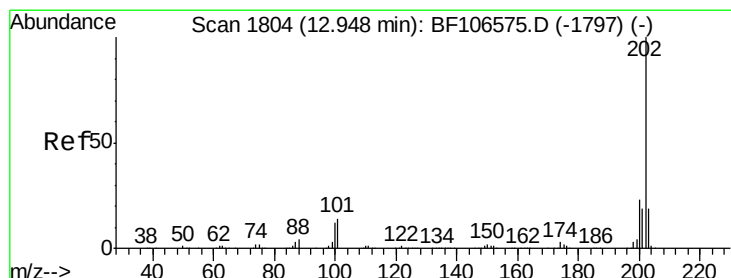
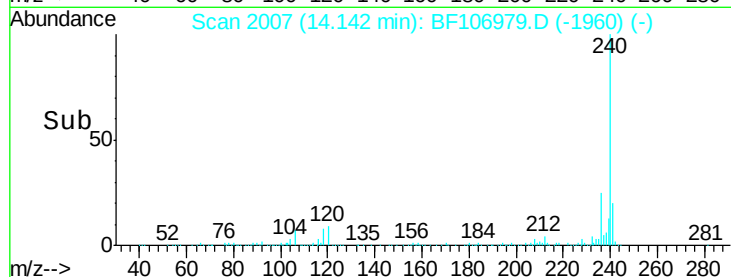
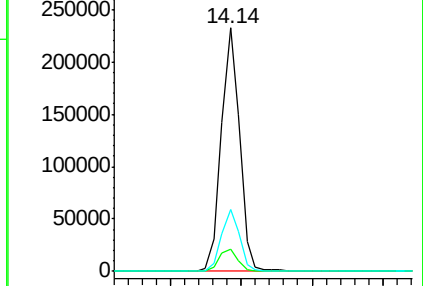
236 25.3 20.7 31.1



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: 4.651 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

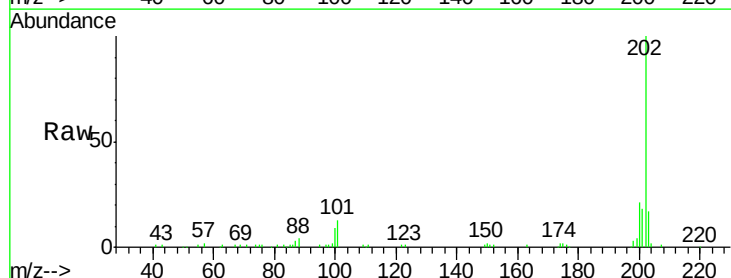
Tgt Ion:202 Resp: 64785

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

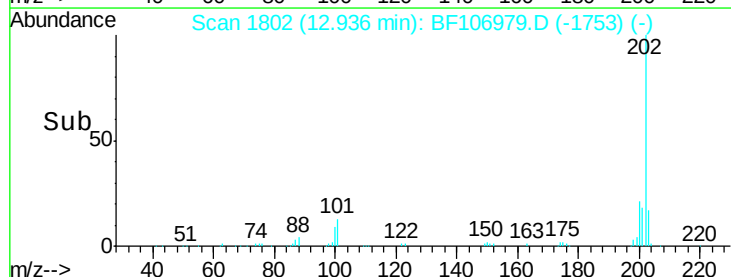
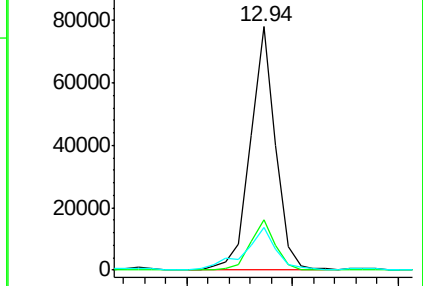
203 17.3 14.3 21.5

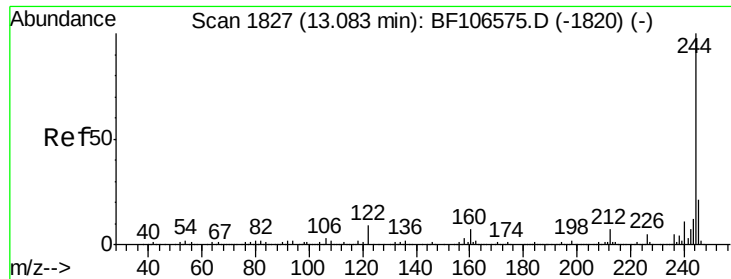


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

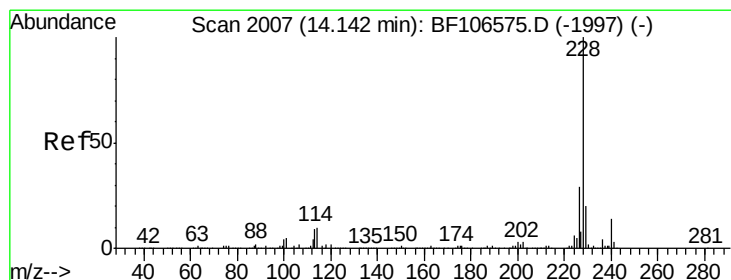
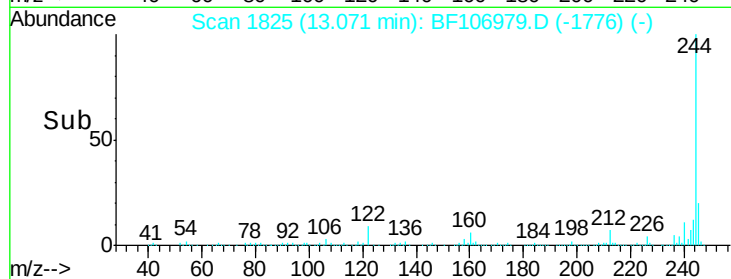
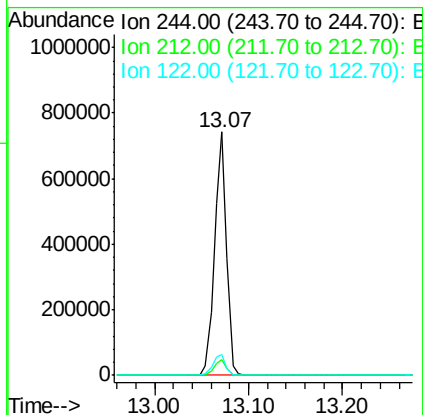
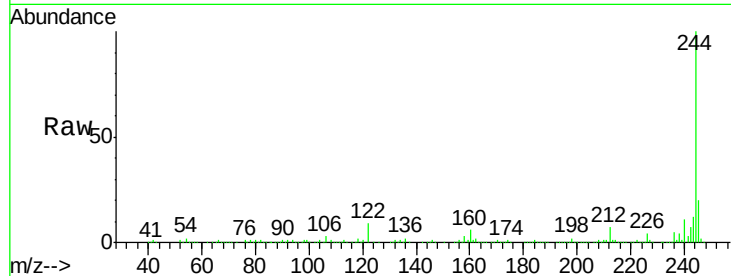




#78
 Terphenyl-d14
 Concen: 76.383 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106979.D
 Acq: 29 Jun 2018 18:00

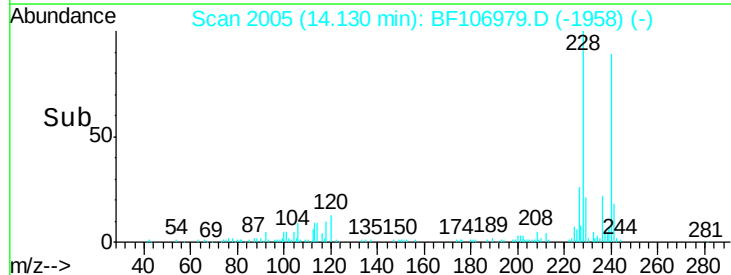
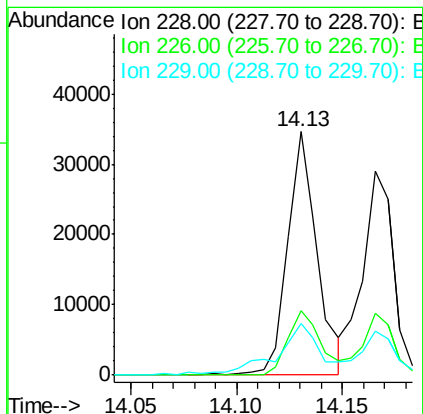
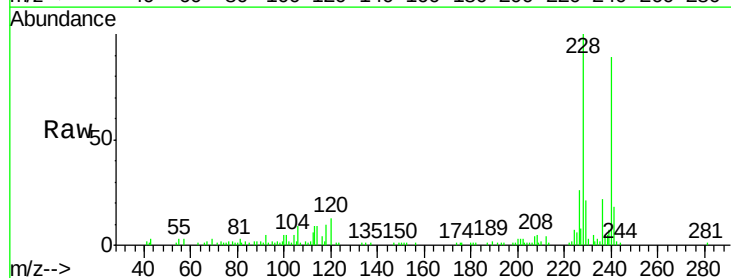
Instrument :
 BNA_F
 ClientSampleId :
 93-95-B3(0-2.5)

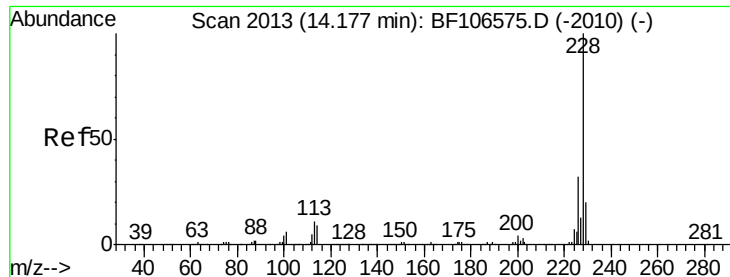
Tgt Ion:244 Resp: 666029
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 8.8 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.628 ng
 RT: 14.13 min Scan# 2005
 Delta R.T. -0.02 min
 Lab File: BF106979.D
 Acq: 29 Jun 2018 18:00

Tgt Ion:228 Resp: 33833
 Ion Ratio Lower Upper
 228 100
 226 26.2 22.6 33.8
 229 21.2 15.8 23.6





#82

Chrysene

Concen: 2.520 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.03 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

Instrument :

BNA_F

ClientSampleId :

93-95-B3(0-2.5)

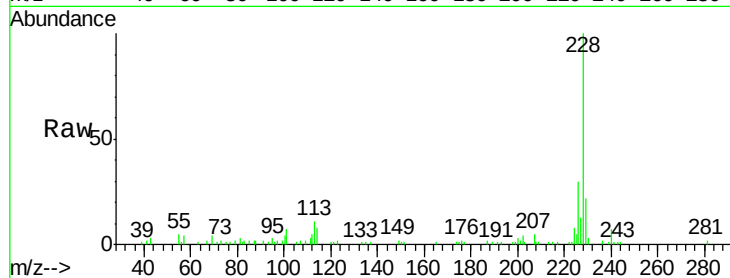
Tgt Ion:228 Resp: 29841

Ion Ratio Lower Upper

228 100

226 30.5 25.0 37.6

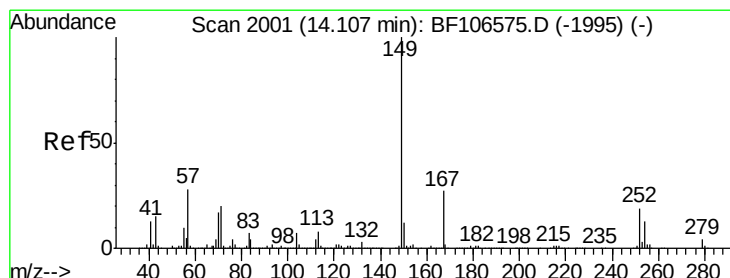
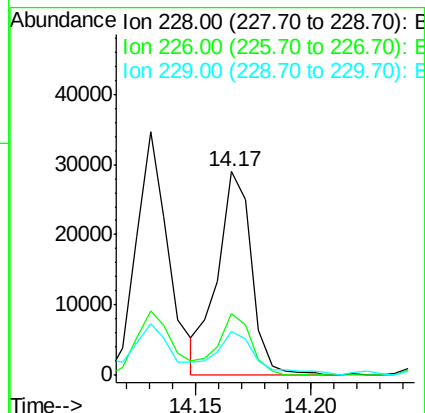
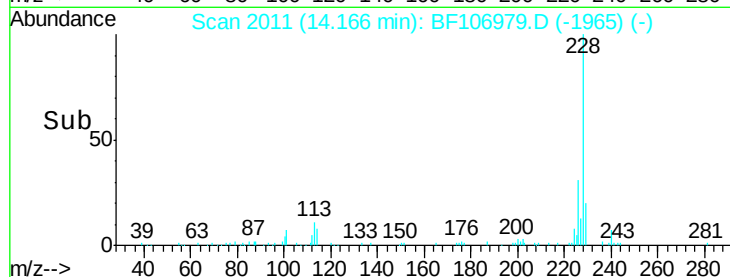
229 21.6 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.200 ng

RT: 14.09 min Scan# 1999

Delta R.T. -0.02 min

Lab File: BF106979.D

Acq: 29 Jun 2018 18:00

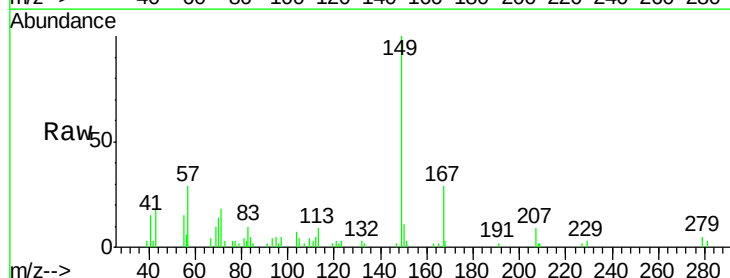
Tgt Ion:149 Resp: 16110

Ion Ratio Lower Upper

149 100

167 29.2 21.3 31.9

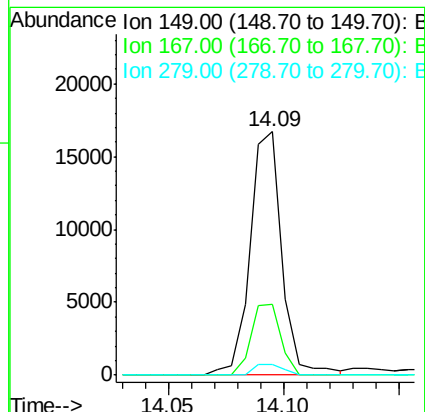
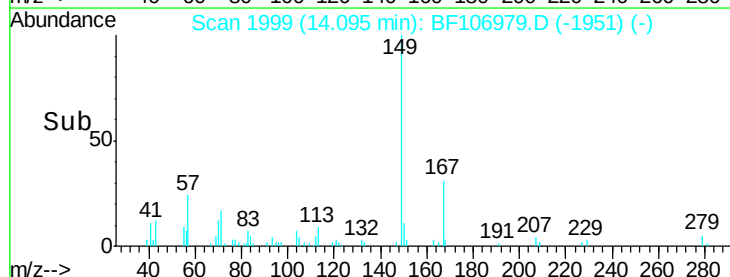
279 4.5 3.0 4.4#

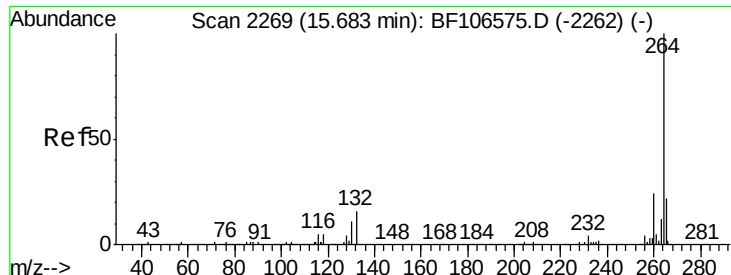


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



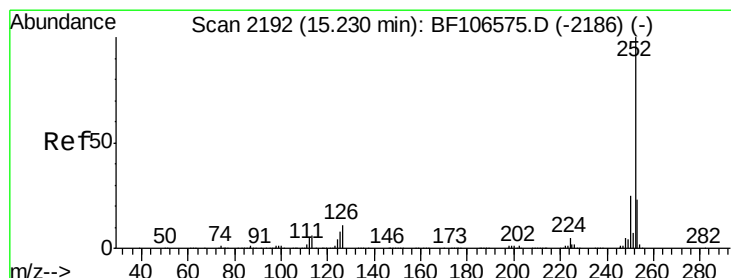
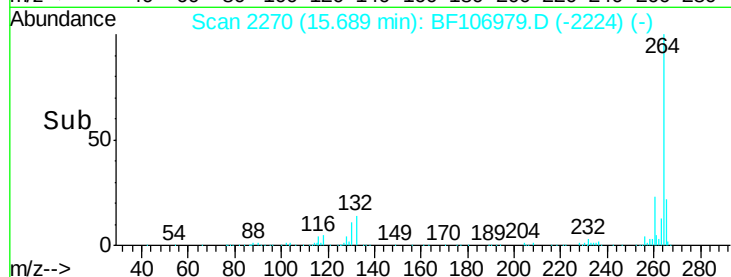
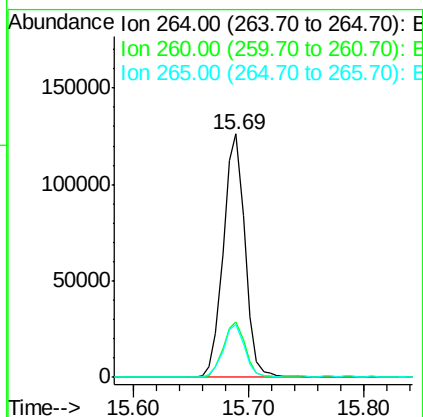
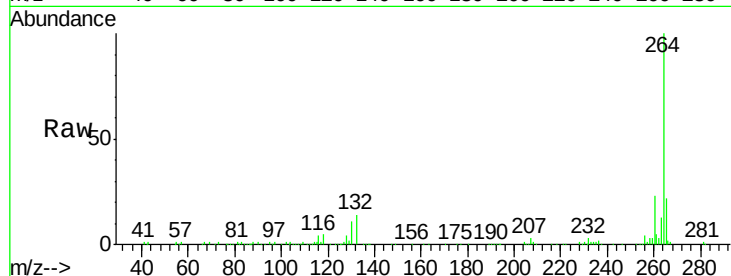


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

Instrument :
BNA_F
ClientSampleId :
93-95-B3(0-2.5)

Tgt Ion: 264 Resp: 164395

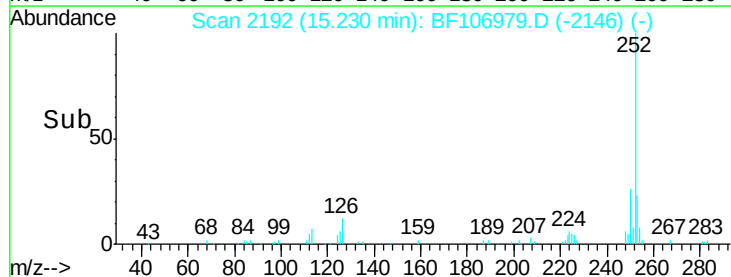
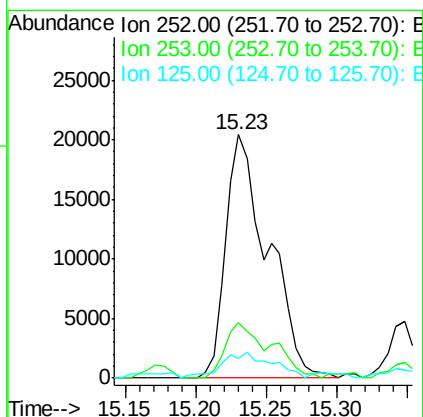
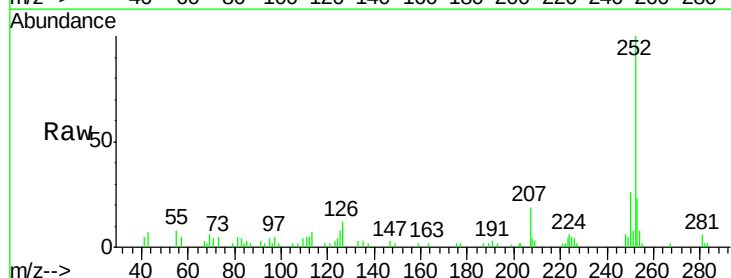
Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.7	17.5	26.3

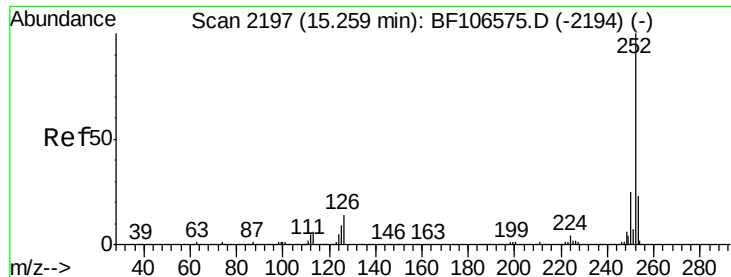


#87
Benzo(b)fluoranthene
Concen: 4.180 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

Tgt Ion: 252 Resp: 42691

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	8.0	9.0	13.6

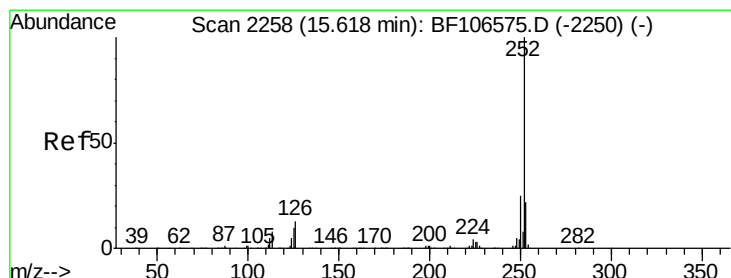
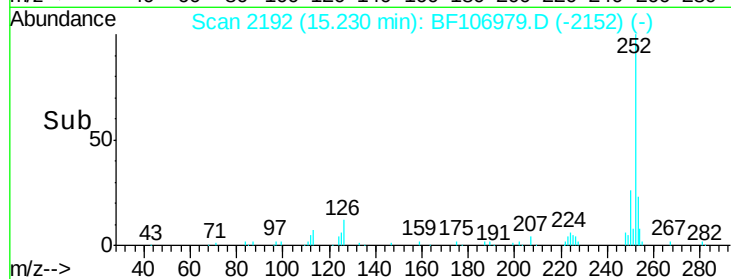
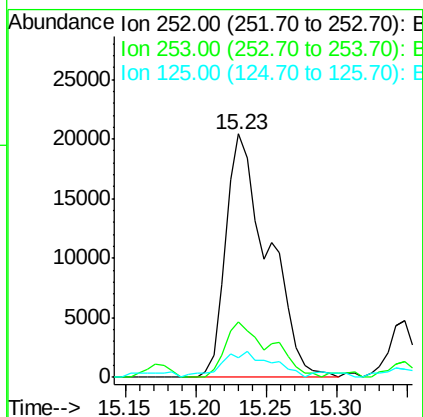
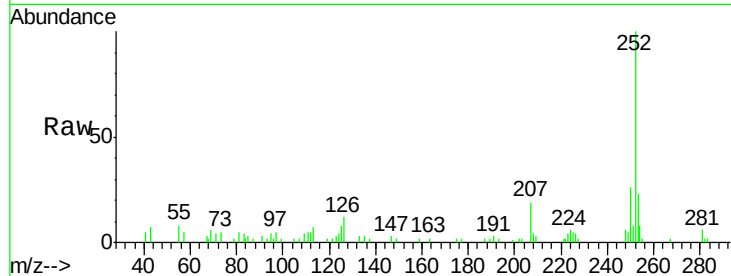




#88
Benzo(k)fluoranthene
Concen: 4.390 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

Instrument :
BNA_F
ClientSampleId :
93-95-B3(0-2.5)

Tgt Ion:252 Resp: 42691
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 8.0 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.438 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.04 min
Lab File: BF106979.D
Acq: 29 Jun 2018 18:00

Tgt Ion:252 Resp: 22135
Ion Ratio Lower Upper
252 100
253 20.5 17.1 25.7
125 10.1 9.8 14.6

