

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070318\
 Data File : BF107094.D
 Acq On : 3 Jul 2018 20:46
 Operator : JU/SJ
 Sample : J3840-12
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Quant Time: Jul 03 22:49:04 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	48501	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	166372	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	73033	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	153254	20.00	ng	0.00
75) Chrysene-d12	14.15	240	128124	20.00	ng	-0.02
86) Perylene-d12	15.69	264	97148	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.60	112	284309	99.26	ng	0.00
7) Phenol-d6	6.60	99	340546	95.21	ng	-0.01
23) Nitrobenzene-d5	7.52	82	186572	62.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	88497	104.55	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	340986	77.77	ng	-0.01
78) Terphenyl-d14	13.08	244	436237	82.47	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.74	77	6139	2.048	ng	83
19) n-Nitroso-di-n-propylamine	7.52	70	23827	10.106	ng	# 74
25) Isophorone	7.52	82	186569	35.366	ng	# 64
49) Dimethylphthalate	9.71	163	62999	11.501	ng	99
56) 2,4-Dinitrotoluene	10.00	165	9547	6.306	ng	# 21
66) 4-Bromophenyl-phenylether	10.80	248	5605	3.065	ng	# 1
70) Phenanthrene	11.52	178	117478	15.893	ng	99
71) Anthracene	11.57	178	31065	4.117	ng	98
74) Fluoranthene	12.71	202	249654	30.643	ng	97
77) Pyrene	12.95	202	236860	28.034	ng	98
80) Benzo(a)anthracene	14.14	228	108965	13.954	ng	99
82) Chrysene	14.17	228	90164	12.551	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	35467	5.818	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	117431	19.459	ng	95
88) Benzo(k)fluoranthene	15.23	252	117431	20.434	ng	# 95
89) Benzo(a)pyrene	15.62	252	63036	11.750	ng	# 94
91) Benzo(a,h,i)perylene	17.77	276	36333	8.176	ng	# 90

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

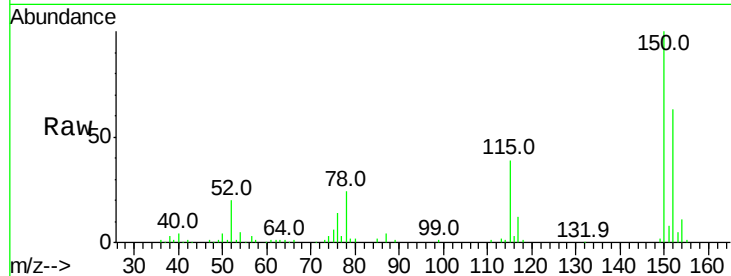


#1

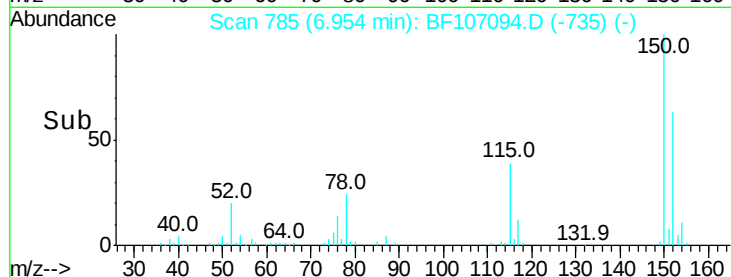
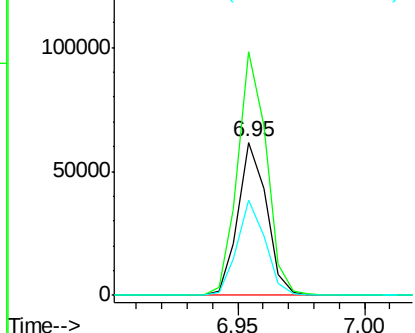
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleId :
TP-4-S

Tot Ion:152 Resp: 48501
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 62.3 50.1 75.1



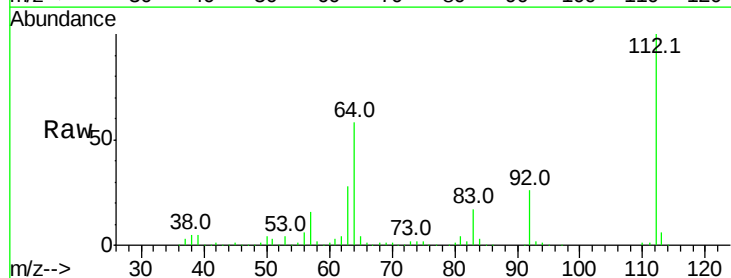
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



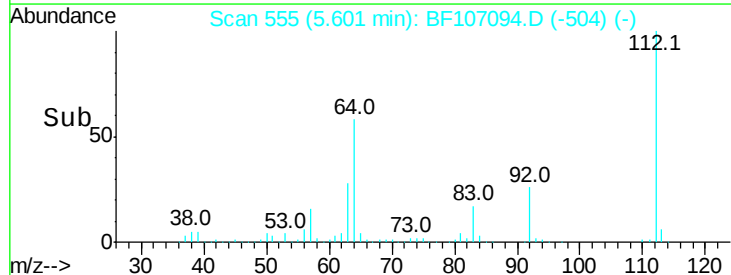
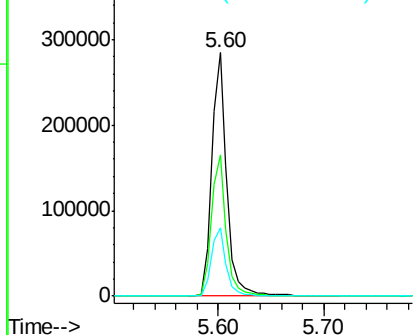
#5

2-Fluorophenol
Concen: 99.261 ng
RT: 5.60 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion:112 Resp: 284309
Ion Ratio Lower Upper
112 100
64 58.1 47.9 71.9
63 28.0 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: 95.207 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Instrument :

BNA_F

ClientSampled :

TP-4-S

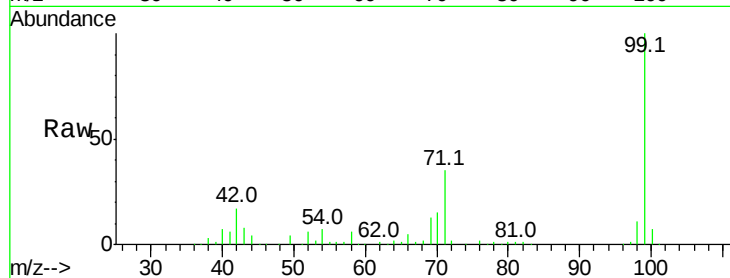
Tot Ion: 99 Resp: 340546

Ion Ratio Lower Upper

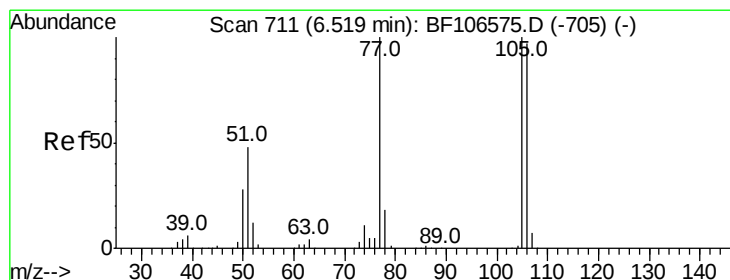
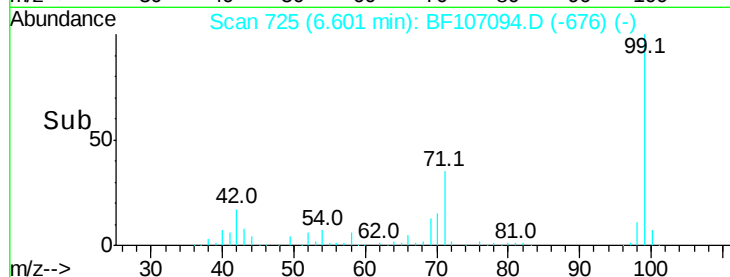
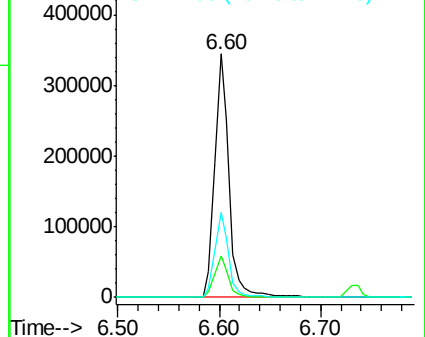
99 100

42 17.0 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



#9

Benzaldehyde

Concen: 2.048 ng

RT: 6.74 min Scan# 748

Delta R.T. 0.22 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

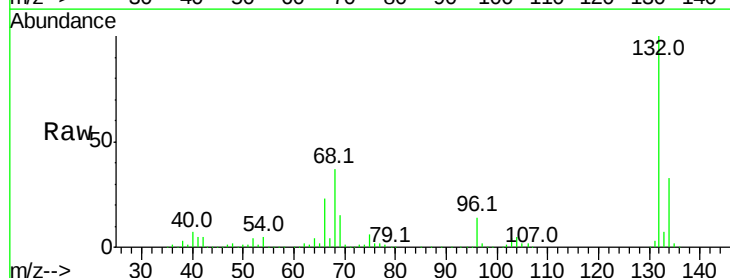
Tgt Ion: 77 Resp: 6139

Ion Ratio Lower Upper

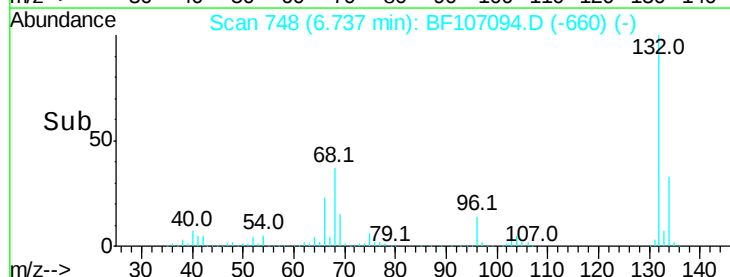
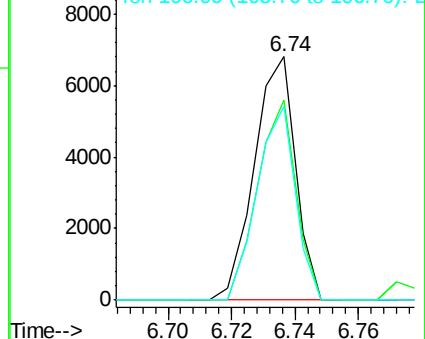
77 100

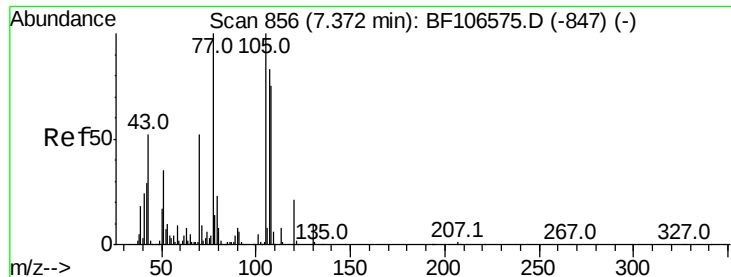
105 82.2 81.1 121.1

106 79.4 74.5 114.5



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

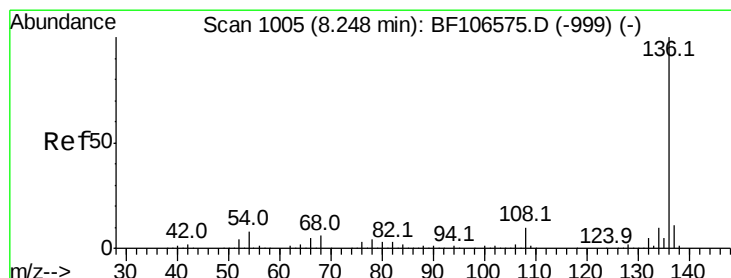
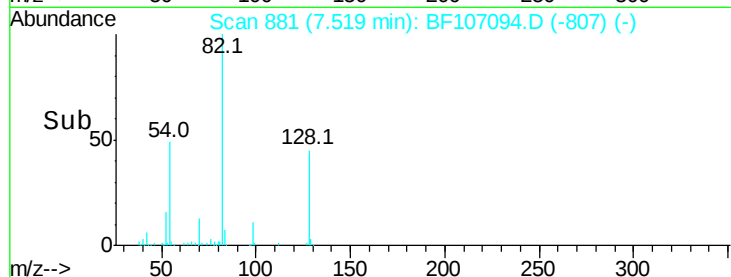
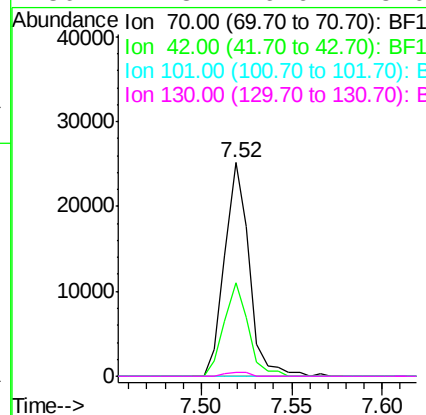
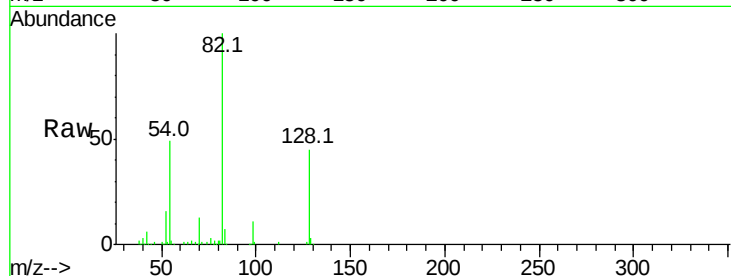




#19
n-Nitroso-di-n-propylamine
Concen: 10.106 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.14 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

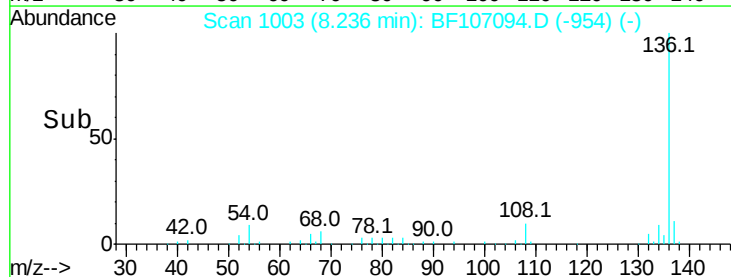
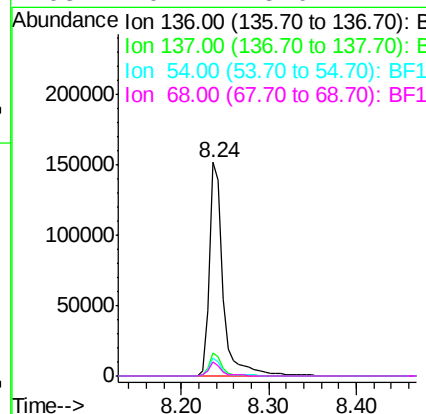
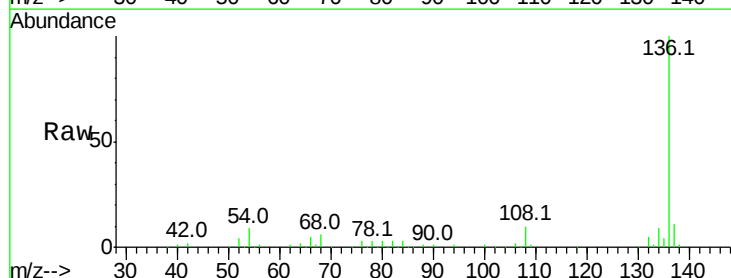
Instrument :
BNA_F
ClientSampleId :
TP-4-S

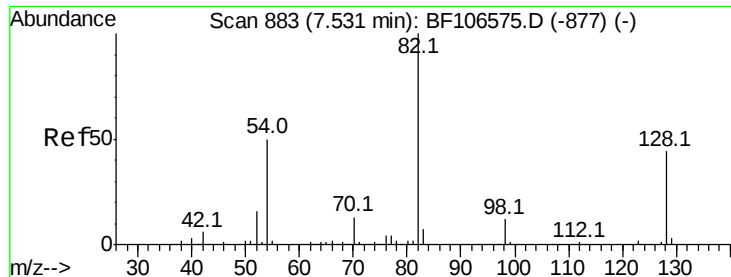
Tot Ion: 70 Resp: 23827
Ion Ratio Lower Upper
70 100
42 43.8 47.5 71.3#
101 0.0 7.4 11.2#
130 1.8 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion: 136 Resp: 166372
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.7 6.6 9.8
68 6.4 5.0 7.4

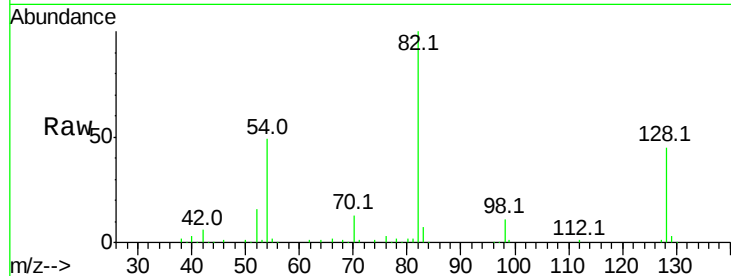




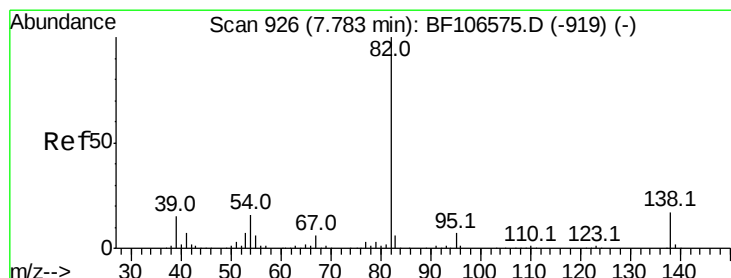
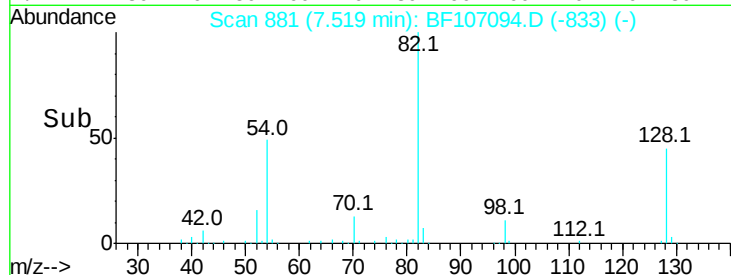
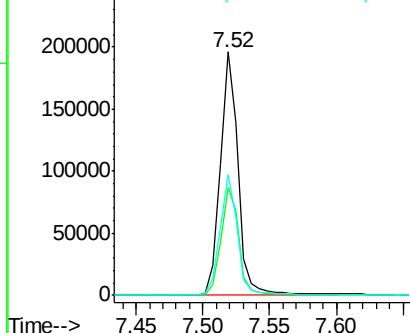
#23
 Nitrobenzene-d5
 Concen: 62.321 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.02 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Tot Ion: 82 Resp: 186572
 Ion Ratio Lower Upper
 82 100
 128 44.5 36.1 54.1
 54 49.4 41.4 62.2

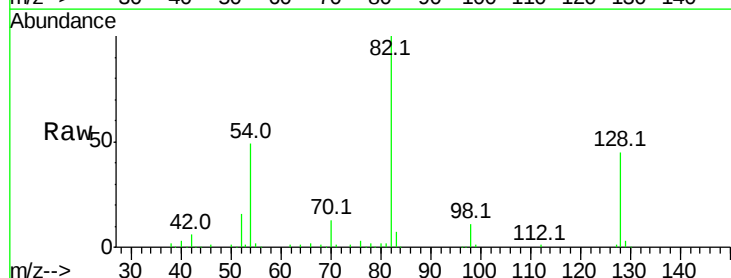


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

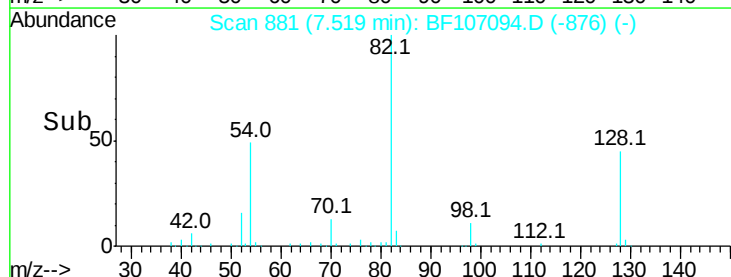
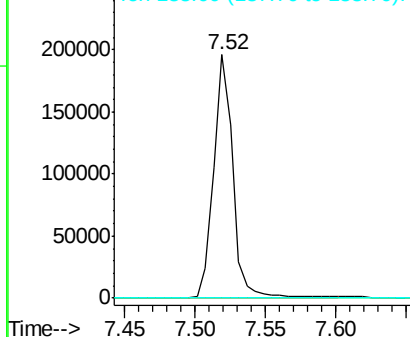


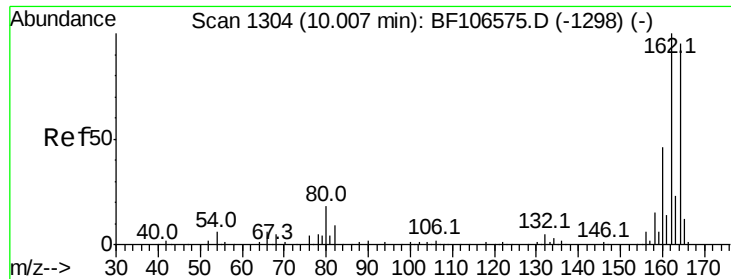
#25
 Isophorone
 Concen: 35.366 ng
 RT: 7.52 min Scan# 881
 Delta R.T. -0.27 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion: 82 Resp: 186569
 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

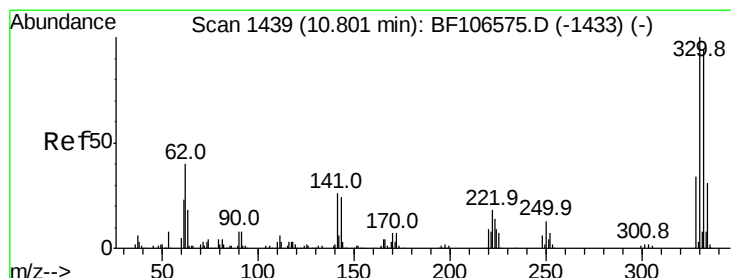
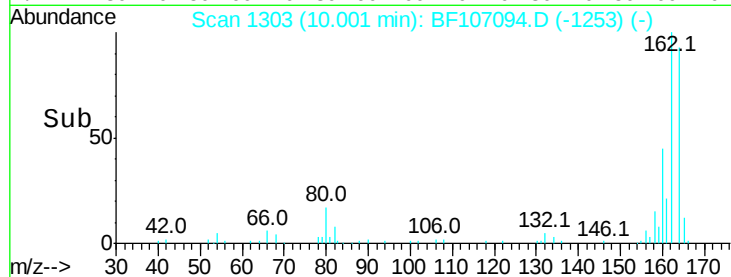
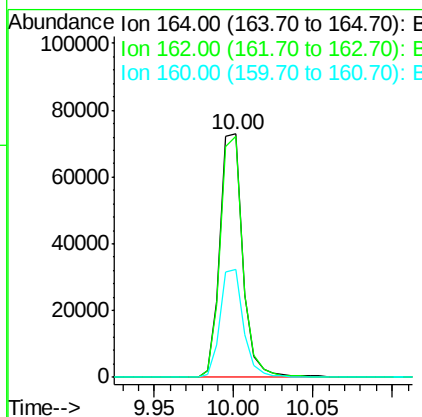
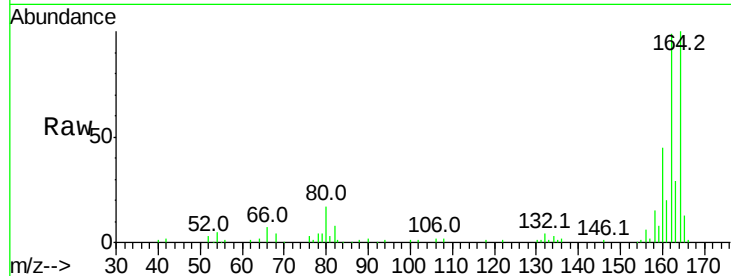




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

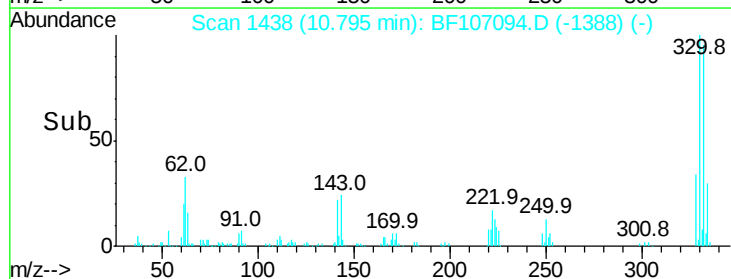
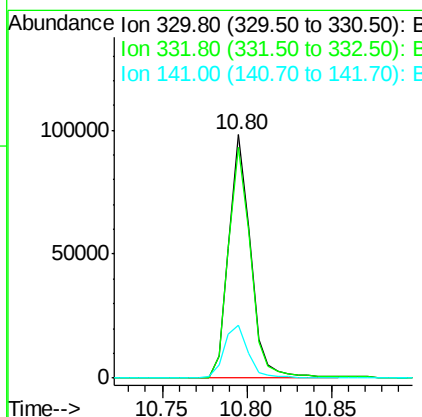
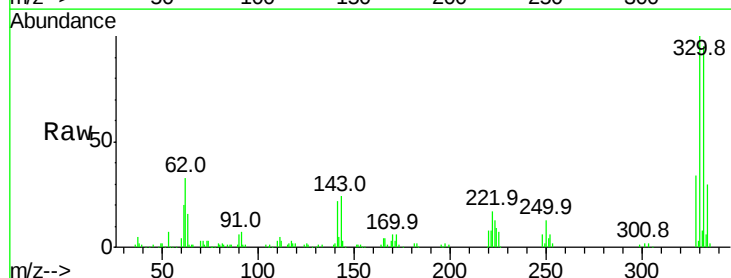
Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Tot Ion:164 Resp: 73033
 Ion Ratio Lower Upper
 164 100
 162 98.9 86.1 129.1
 160 44.6 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 104.548 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion:330 Resp: 88497
 Ion Ratio Lower Upper
 330 100
 332 98.1 77.0 115.6
 141 23.9 29.9 44.9#

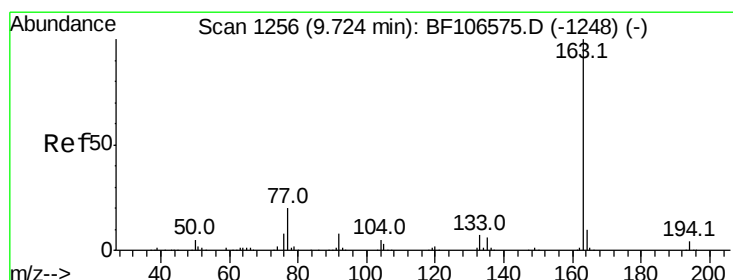
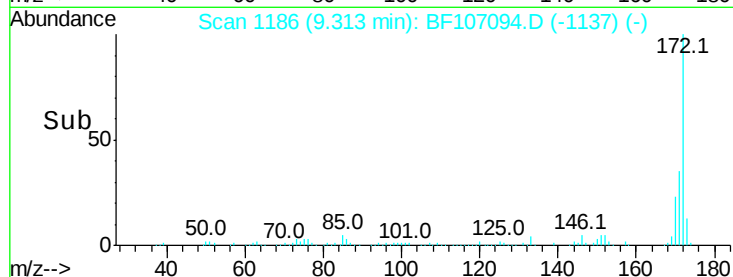
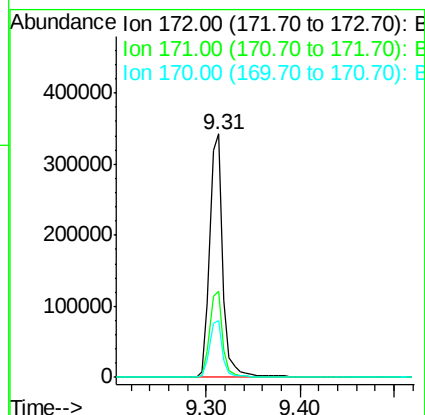
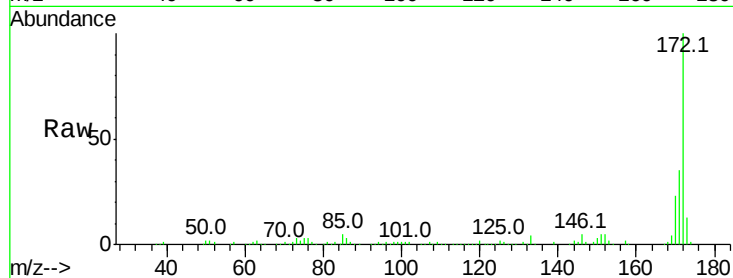




#44
2-Fluorobiphenyl
Concen: 77.773 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

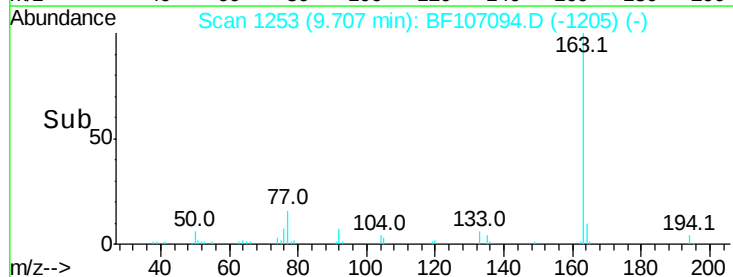
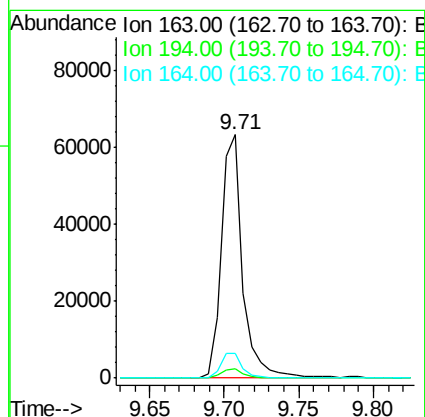
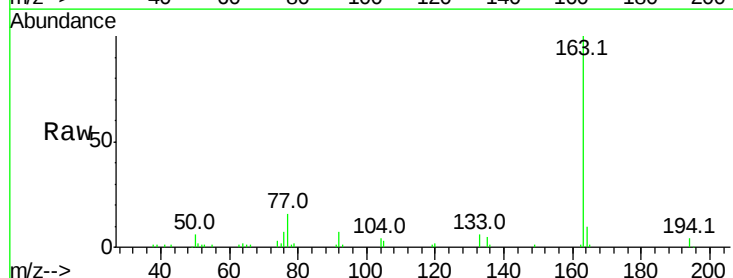
Instrument :
BNA_F
ClientSampleId :
TP-4-S

Tot Ion:172 Resp: 340986
Ion Ratio Lower Upper
172 100
171 35.2 29.7 44.5
170 23.4 19.6 29.4



#49
Dimethylphthalate
Concen: 11.501 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.02 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion:163 Resp: 62999
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 10.1 8.2 12.2

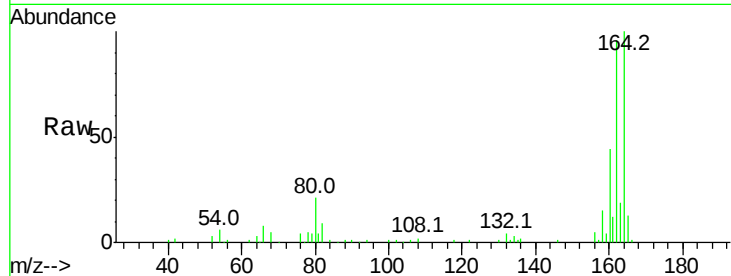




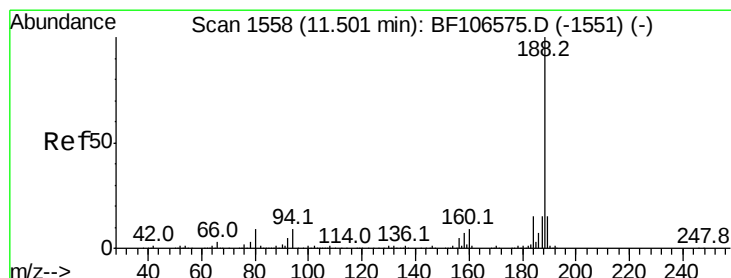
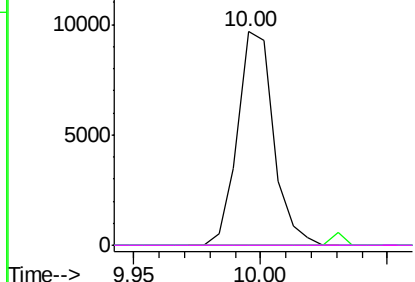
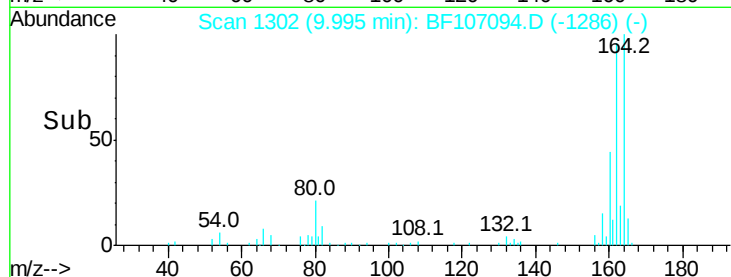
#56
 2,4-Dinitrotoluene
 Concen: 6.306 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Tot Ion:165 Resp: 9547
 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#

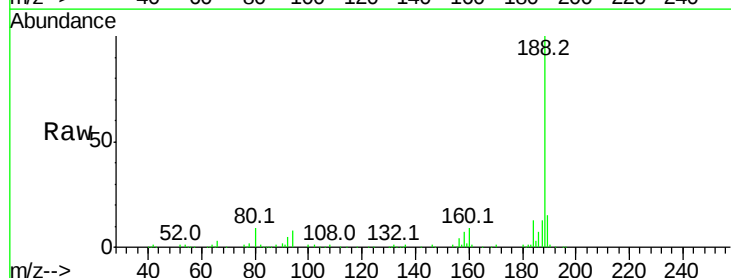


Abundance Ion 165.00 (164.70 to 165.70): E
 15000
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

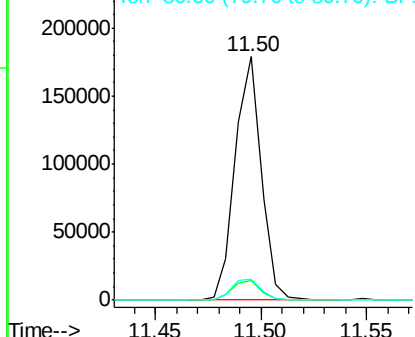
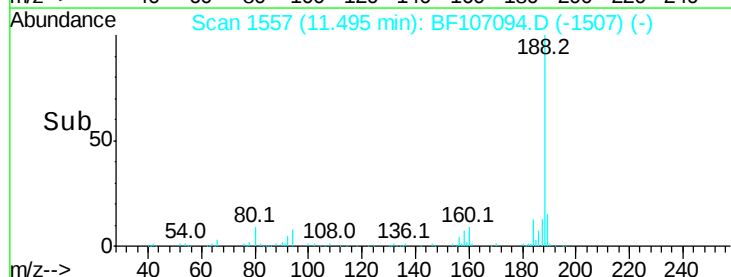


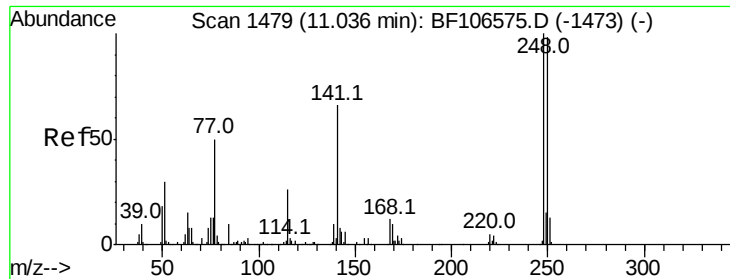
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion:188 Resp: 153254
 Ion Ratio Lower Upper
 188 100
 94 7.8 8.5 12.7#
 80 8.7 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): E
 250000
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

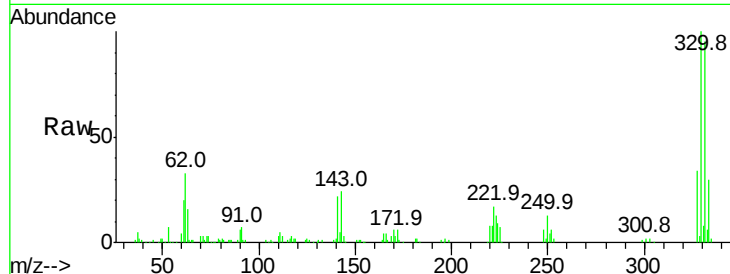




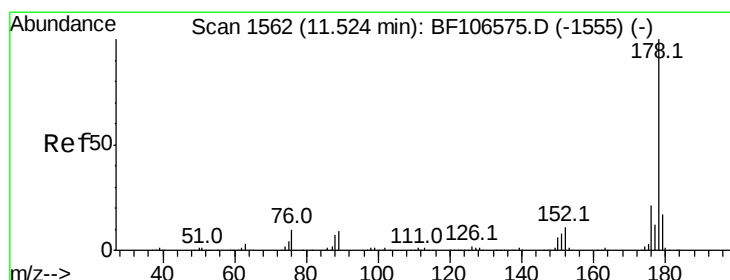
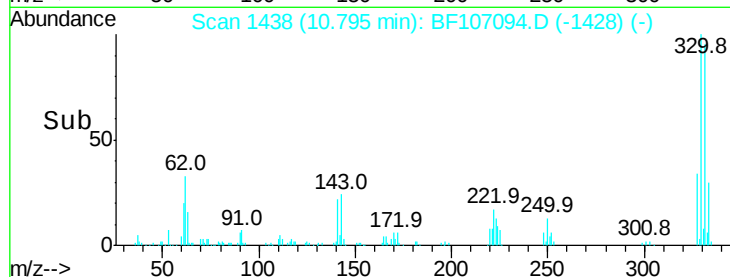
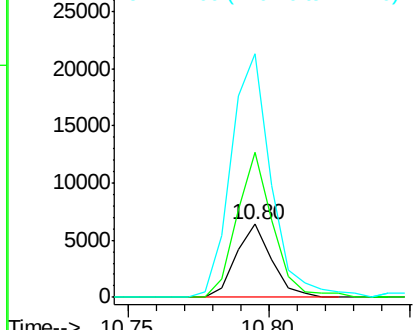
#66
 4-Bromophenyl-phenylether
 Concen: 3.065 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.24 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampled :
 TP-4-S

Tot Ion:248 Resp: 5605
 Ion Ratio Lower Upper
 248 100
 250 198.6 76.9 115.3#
 141 333.6 74.4 111.6#

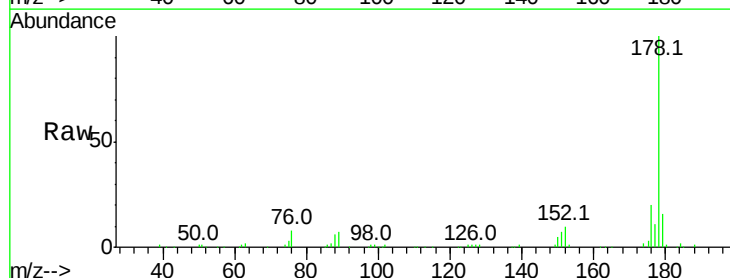


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

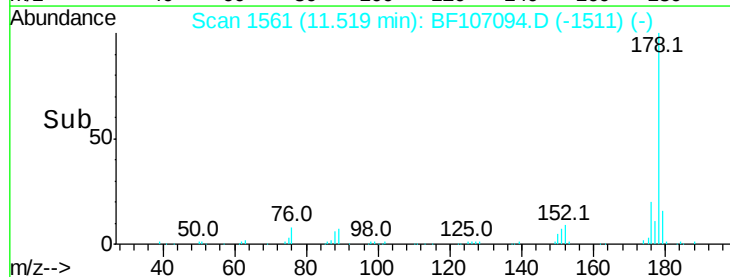
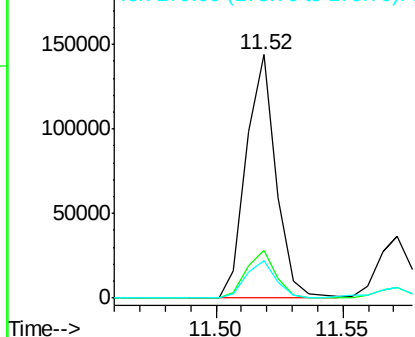


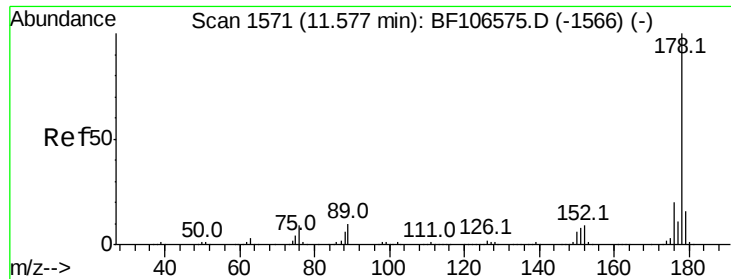
#70
 Phenanthrene
 Concen: 15.893 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion:178 Resp: 117478
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.8 23.8
 179 15.5 13.0 19.6



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

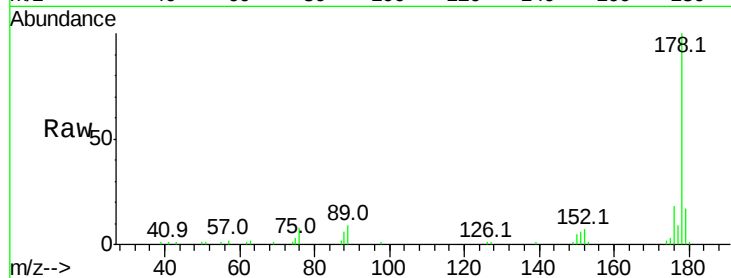




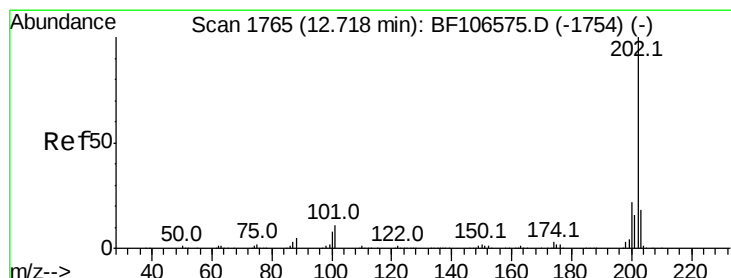
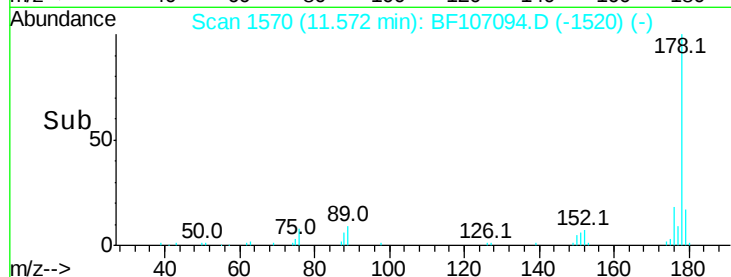
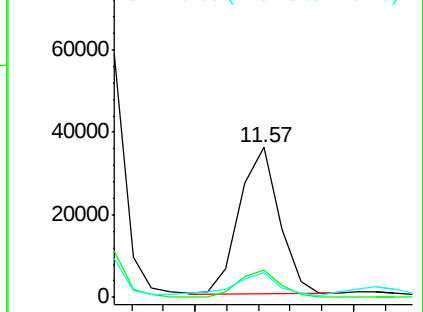
#71
 Anthracene
 Concen: 4.117 ng
 RT: 11.57 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Tot Ion:178 Resp: 31065
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.2
 179 16.6 12.6 19.0

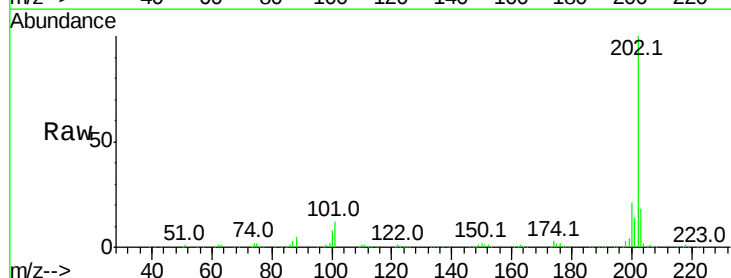


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

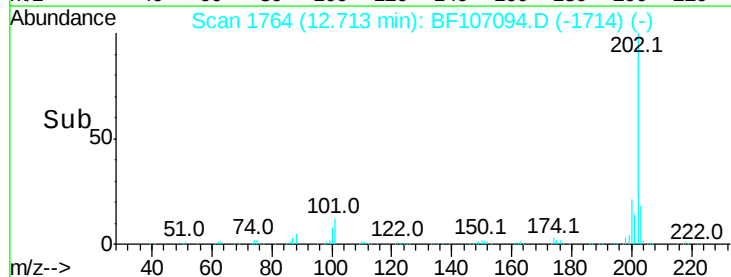
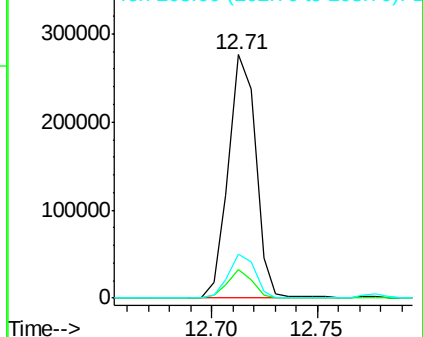


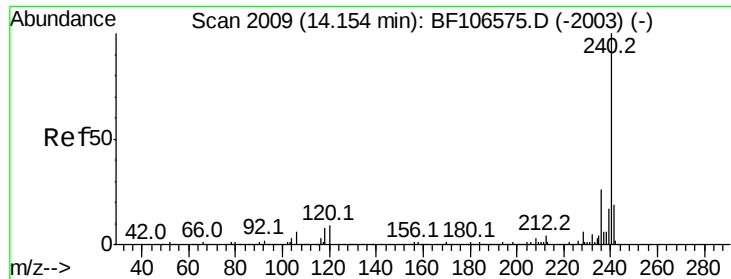
#74
 Fluoranthene
 Concen: 30.643 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion:202 Resp: 249654
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 34.1
 203 17.8 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: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

Instrument :

BNA_F

ClientSampleId :

TP-4-S

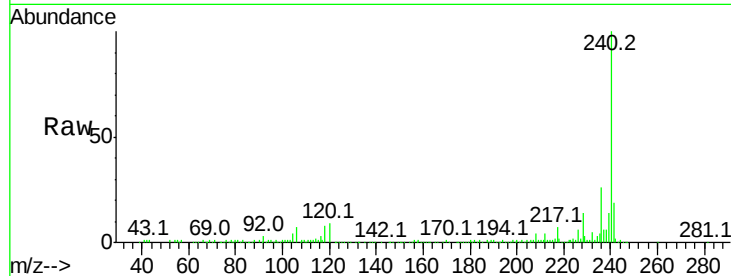
Tot Ion:240 Resp: 128124

Ion Ratio Lower Upper

240 100

120 9.2 9.5 14.3#

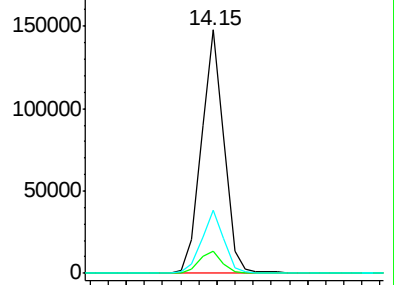
236 26.0 20.7 31.1



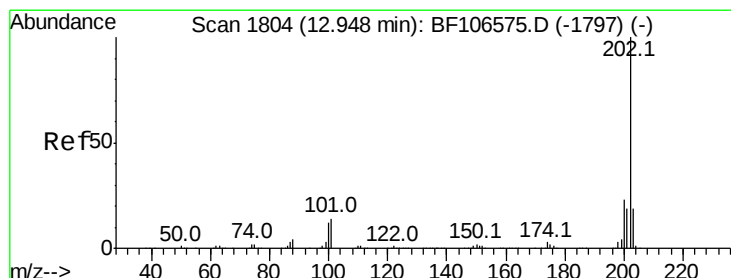
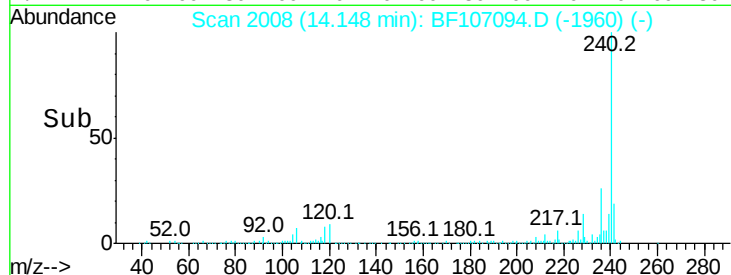
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 28.034 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107094.D

Acq: 3 Jul 2018 20:46

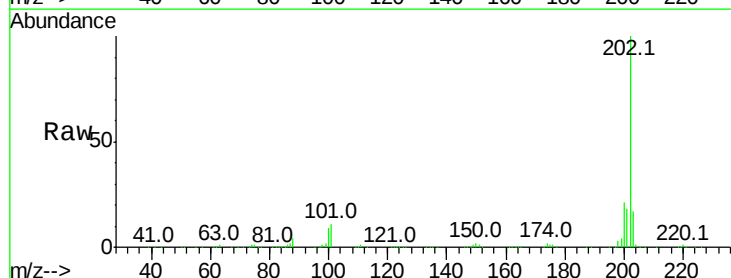
Tgt Ion:202 Resp: 236860

Ion Ratio Lower Upper

202 100

200 20.6 17.4 26.2

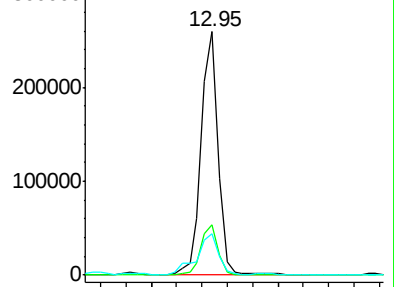
203 17.1 14.3 21.5



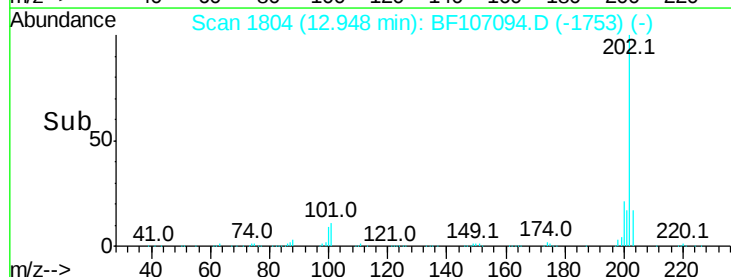
Abundance Ion 202.00 (201.70 to 202.70): E

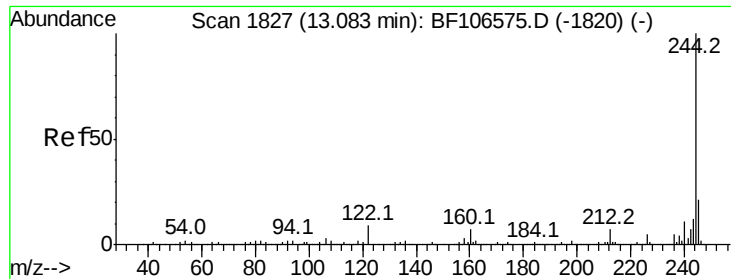
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

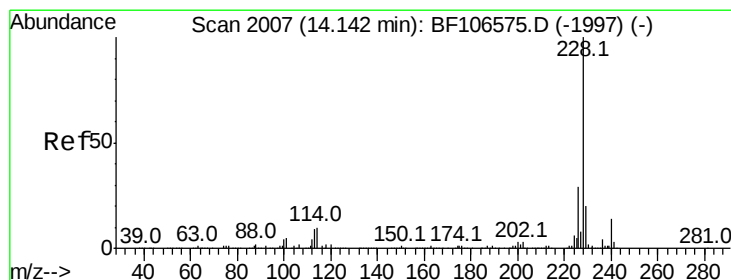
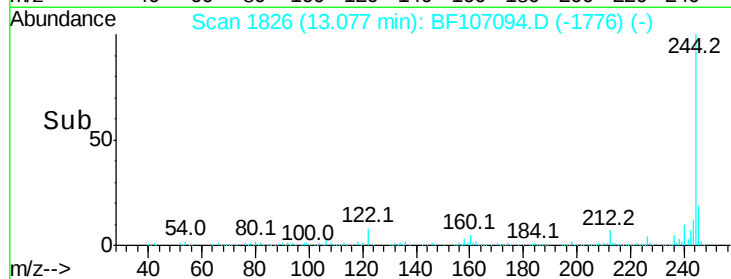
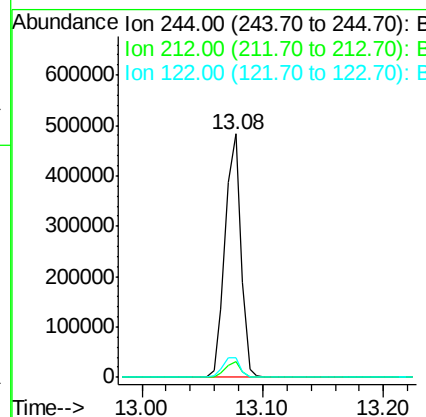
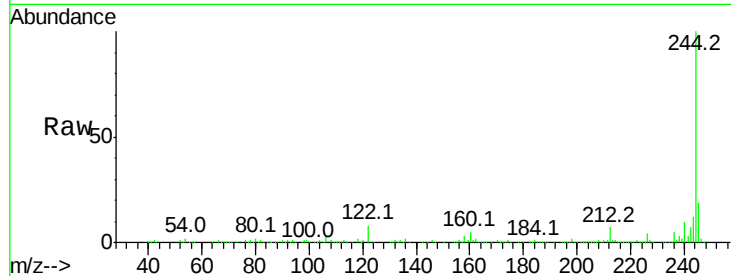




#78
 Terphenyl-d14
 Concen: 82.474 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

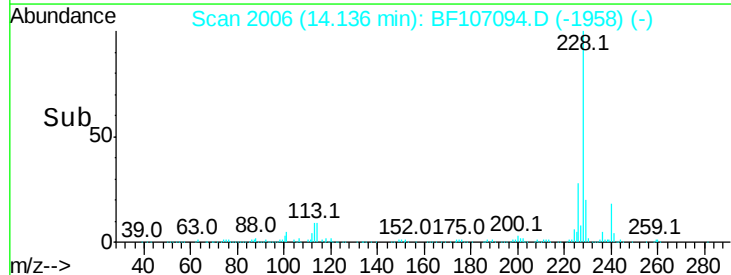
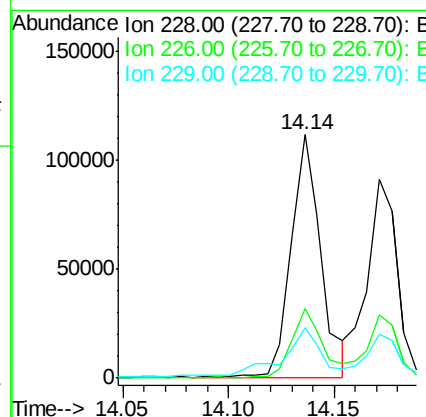
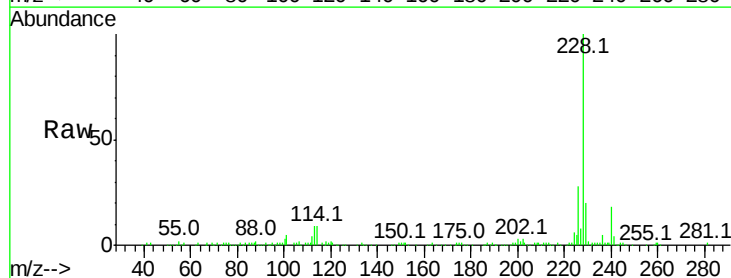
Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

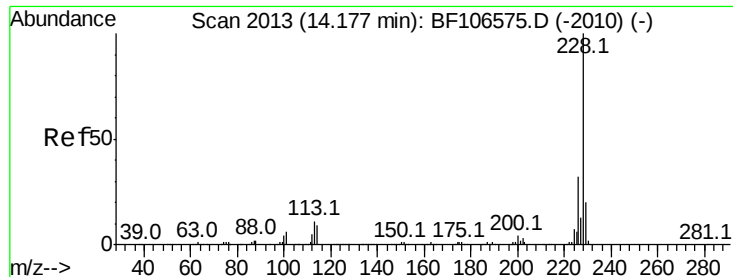
Tot Ion:244 Resp: 436237
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 8.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 13.954 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Tgt Ion:228 Resp: 108965
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.6 33.8
 229 20.5 15.8 23.6

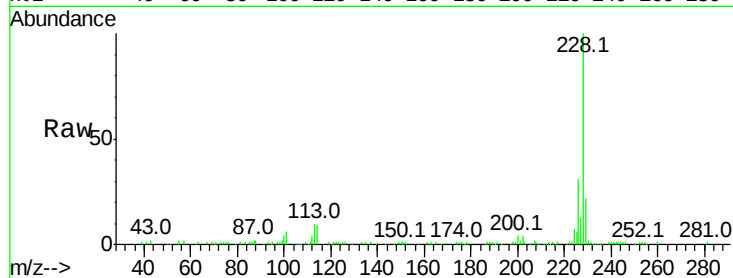




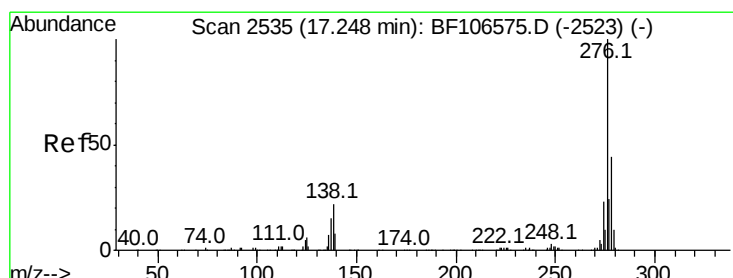
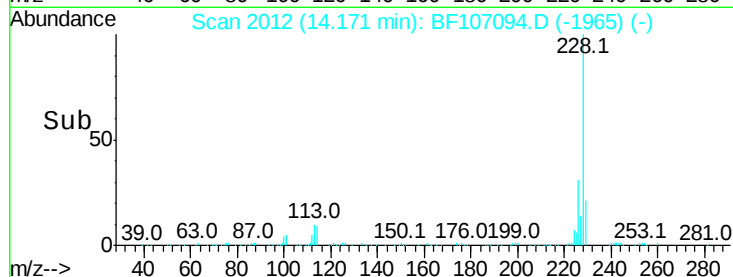
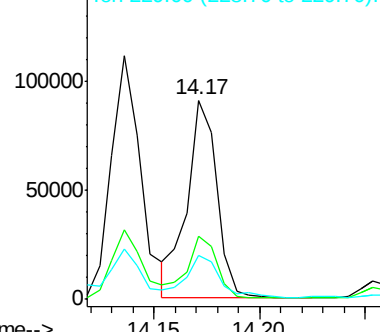
#82
Chrysene
Concen: 12.551 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampleID :
TP-4-S

Tot Ion:228 Resp: 90164
Ion Ratio Lower Upper
228 100
226 31.4 25.0 37.6
229 21.9 16.2 24.4

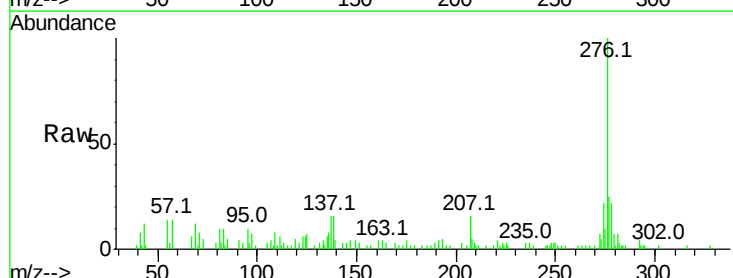


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

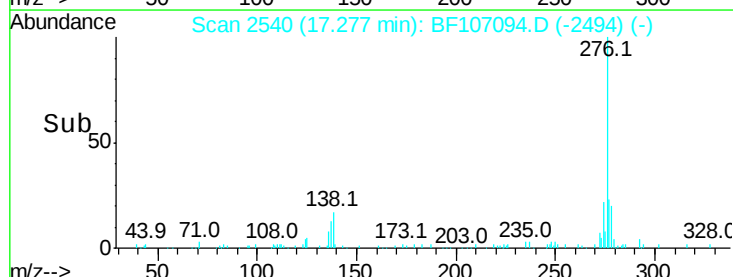
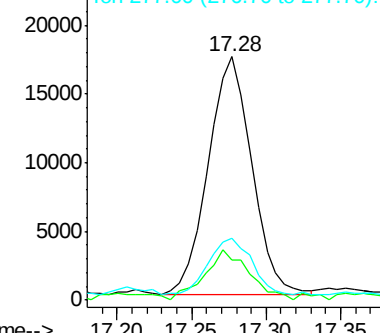


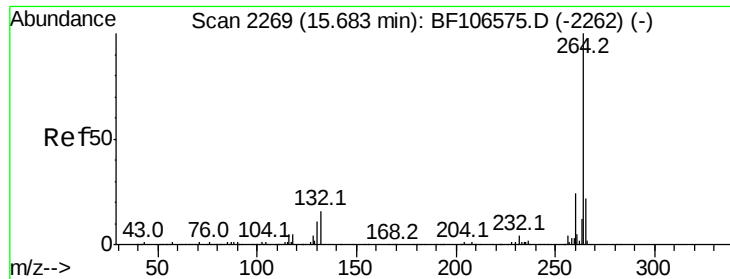
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.818 ng
RT: 17.28 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion:276 Resp: 35467
Ion Ratio Lower Upper
276 100
138 21.3 25.0 37.6#
277 23.3 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



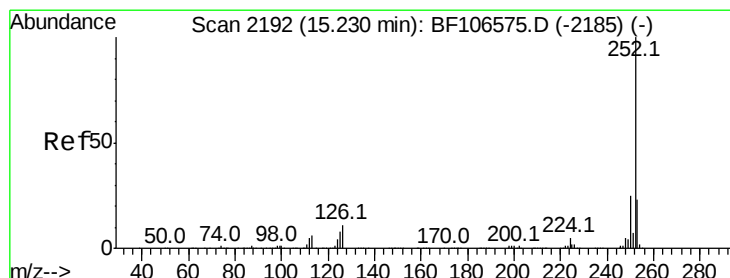
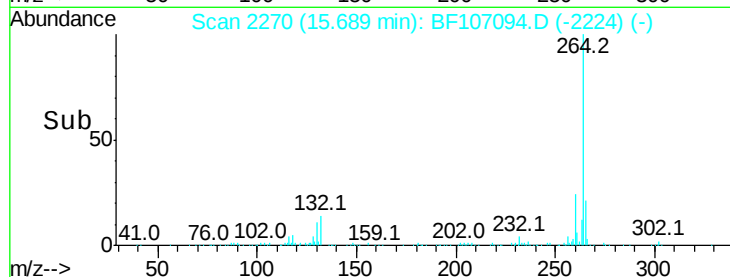
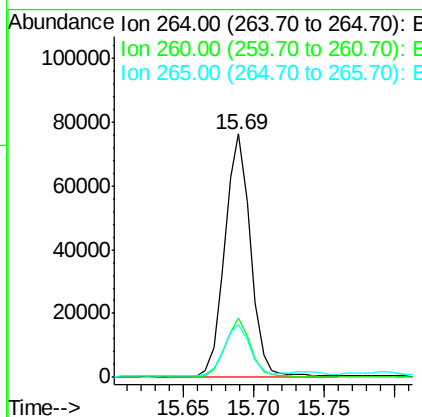
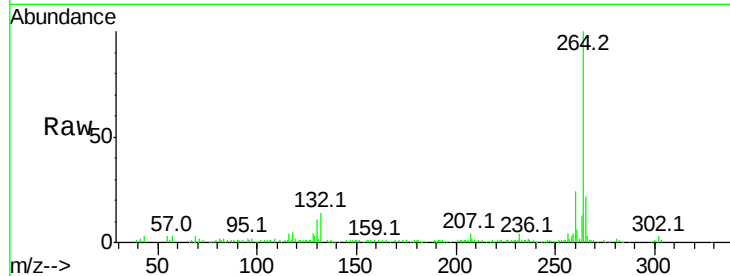


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.03 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Instrument :
BNA_F
ClientSampled :
TP-4-S

Tot Ion:264 Resp: 97148

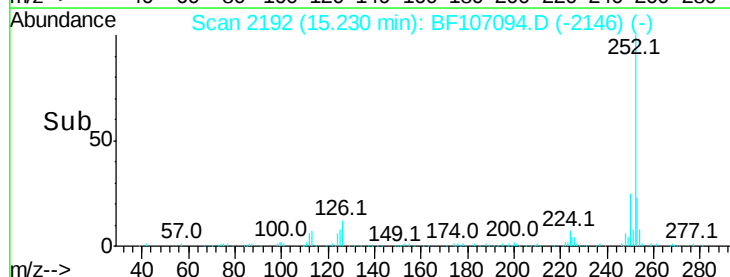
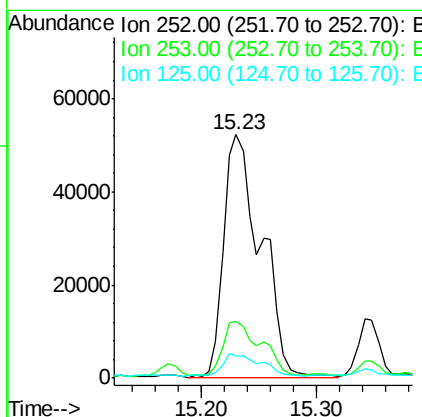
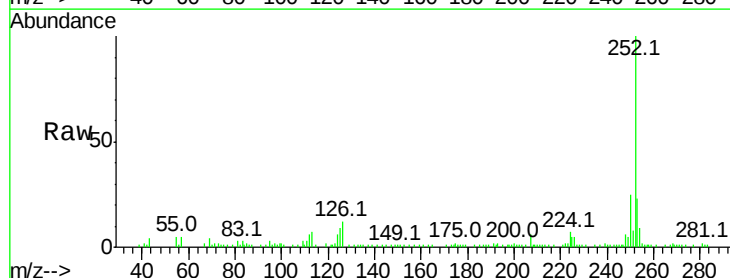
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.8	17.5	26.3

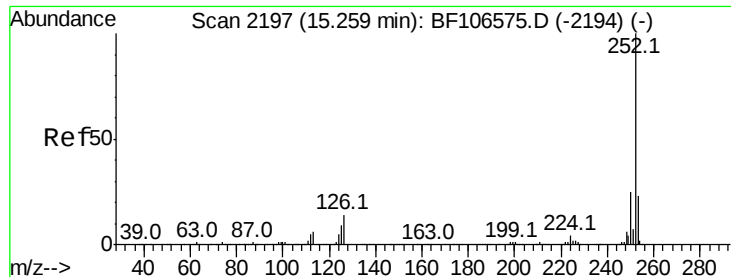


#87
Benzo(b)fluoranthene
Concen: 19.459 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.03 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion:252 Resp: 117431

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	9.1	9.0	13.6

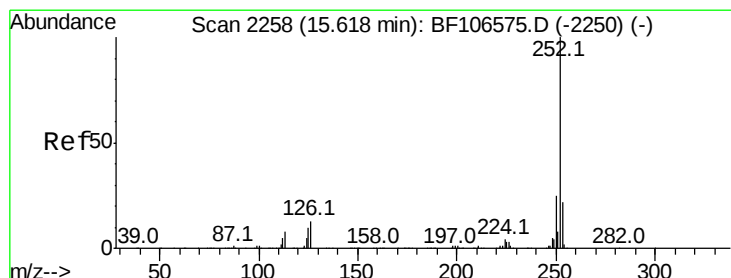
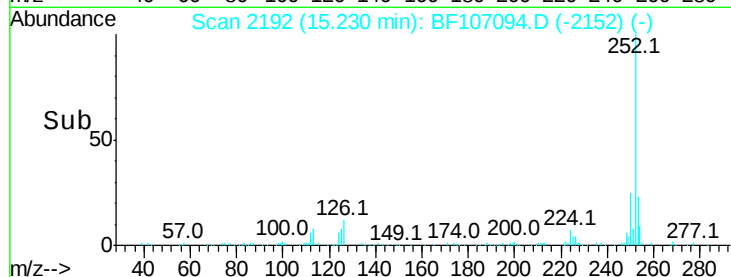
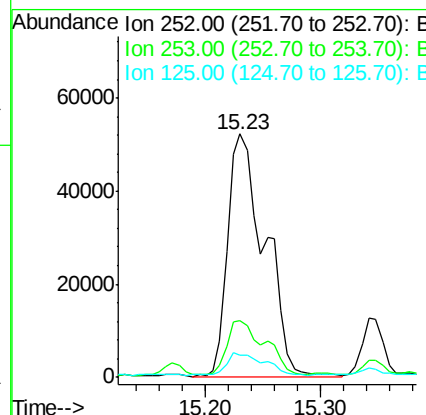
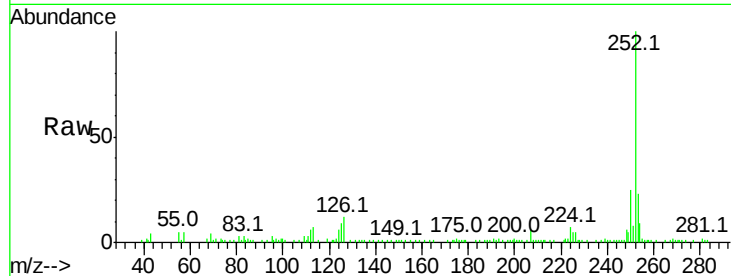




#88
Benzo(k)fluoranthene
Concen: 20.434 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.06 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

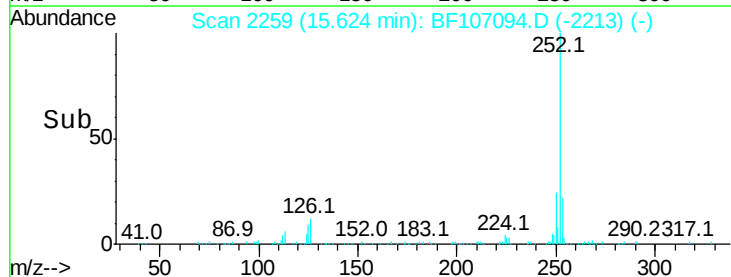
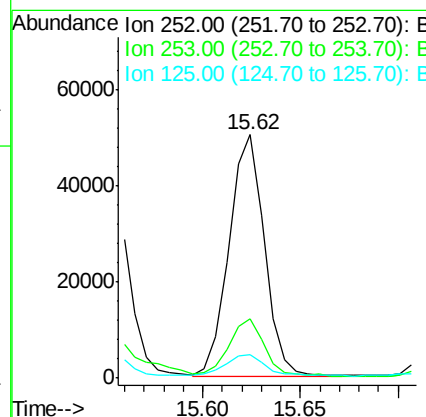
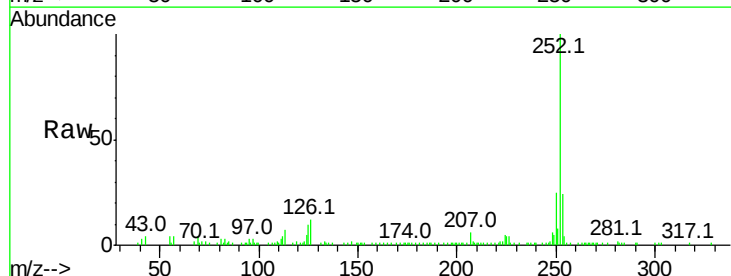
Instrument :
BNA_F
ClientSampleId :
TP-4-S

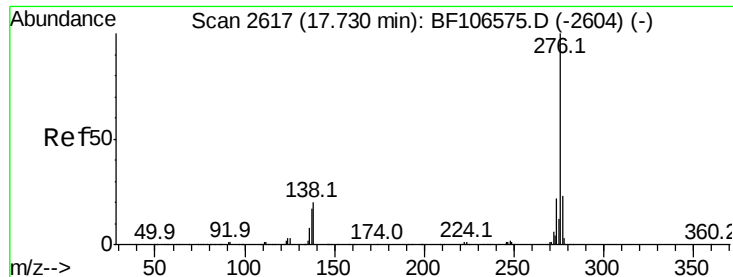
Tot Ion:252 Resp: 117431
Ion Ratio Lower Upper
252 100
253 23.4 17.9 26.9
125 9.1 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 11.750 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.03 min
Lab File: BF107094.D
Acq: 3 Jul 2018 20:46

Tgt Ion:252 Resp: 63036
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 9.5 9.8 14.6#





#91
 Benzo(a,h,i)perylene
 Concen: 8.176 ng
 RT: 17.77 min Scan# 2623
 Delta R.T. -0.02 min
 Lab File: BF107094.D
 Acq: 3 Jul 2018 20:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4-S

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	19.5	21.8	32.8

