

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110918\
 Data File : BF110645.D
 Acq On : 9 Nov 2018 23:25
 Operator : JU/SJ
 Sample : J5876-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 11 03:25:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 09 15:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	88689	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	349671	20.00	ng	0.00
39) Acenaphthene-d10	9.99	164	147132	20.00	ng	0.00
64) Phenanthrene-d10	11.48	188	223386	20.00	ng	0.00
76) Chrysene-d12	14.13	240	159746	20.00	ng	0.00
87) Perylene-d12	15.66	264	125112	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	731004	133.88	ng	0.01
7) Phenol-d6	6.58	99	941676	134.87	ng	0.00
23) Nitrobenzene-d5	7.52	82	594856	97.97	ng	0.00
42) 2,4,6-Tribromophenol	10.78	330	177755	119.90	ng	0.00
45) 2-Fluorobiphenyl	9.30	172	918498	89.16	ng	0.00
79) Terphenyl-d14	13.06	244	592578	69.47	ng	0.00

Target Compounds

						Qvalue
9) Benzaldehyde	6.58	77	1965	Below Cal	#	1
10) Phenol	6.59	94	58161	7.184 ng	#	69
19) n-Nitroso-di-n-propylamine	7.52	70	80318	18.021 ng	#	76
25) Isophorone	7.52	82	594852	59.774 ng	#	67
50) Dimethylphthalate	9.69	163	56974	5.190 ng		100
57) 2,4-Dinitrotoluene	9.99	165	20836	6.635 ng	#	19
67) 4-Bromophenyl-phenylether	10.78	248	11723	4.748 ng	#	1
71) Phenanthrene	11.50	178	94815	7.922 ng		99
75) Fluoranthene	12.70	202	128124	10.678 ng		98
77) Benzidine	13.06	184	8882	2.022 ng	#	72
78) Pyrene	12.93	202	118272	9.616 ng		96
81) Benzo(a)anthracene	14.12	228	57840	6.058 ng		96
83) Chrysene	14.16	228	53173	5.845 ng		98
84) Bis(2-ethylhexyl)phthalate	14.08	149	23108	3.519 ng	#	92
86) Indeno(1,2,3-cd)pyrene	17.23	276	25598	3.921 ng		94
88) Benzo(b)fluoranthene	15.20	252	86204	11.517 ng	#	91
89) Benzo(k)fluoranthene	15.20	252	86204	11.656 ng	#	90
90) Benzo(a)pyrene	15.59	252	44740	6.579 ng	#	92
92) Benzo(a,h,i)perylene	17.70	276	23460	4.109 ng	#	87

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

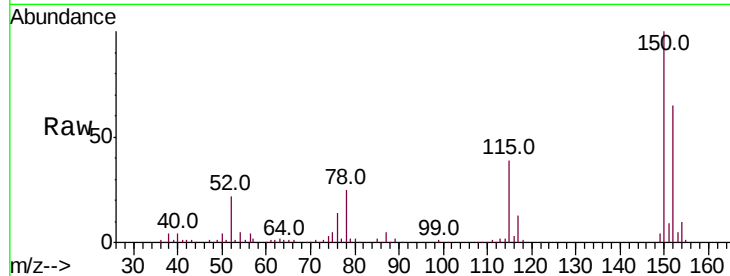


#1

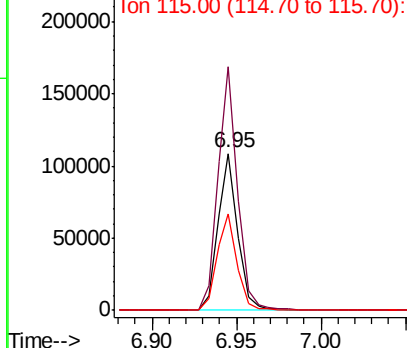
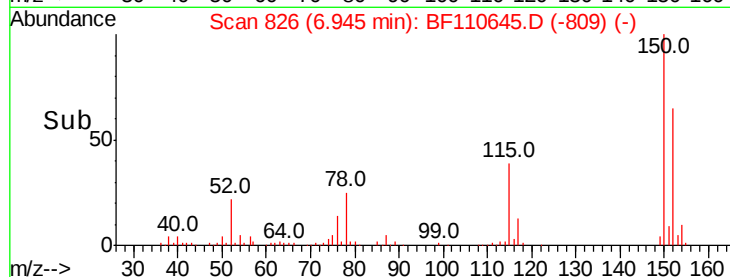
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 88689
Ion Ratio Lower Upper
152 100
150 154.9 122.7 184.1
115 61.1 49.1 73.7



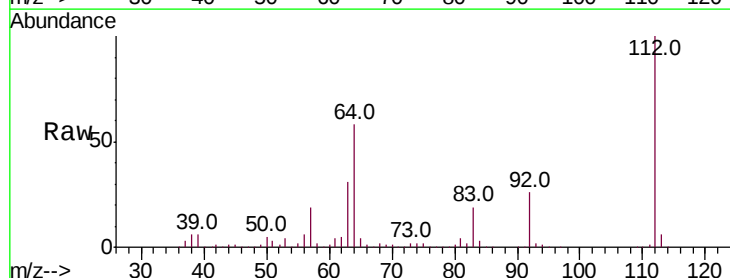
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



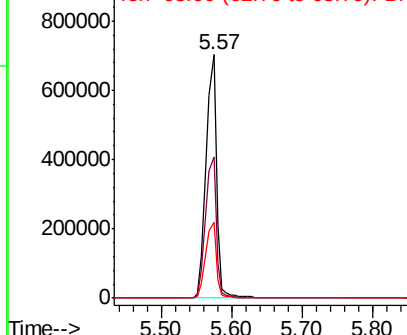
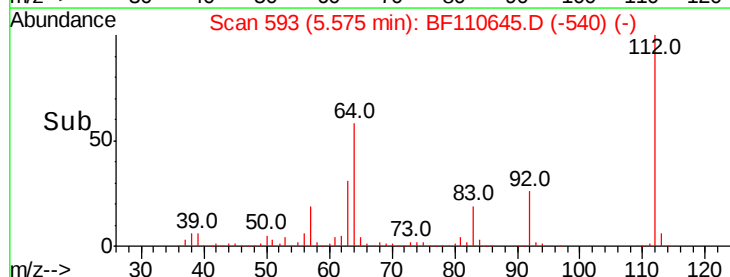
#5

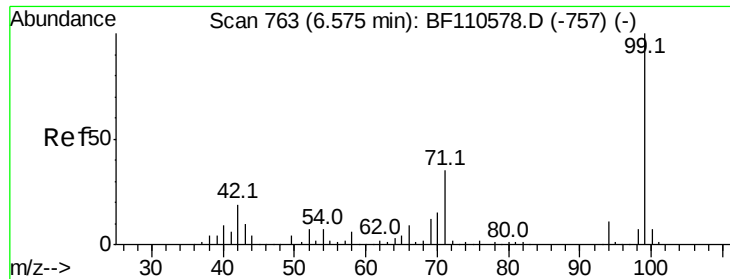
2-Fluorophenol
Concen: 133.881 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.01 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Tgt Ion:112 Resp: 731004
Ion Ratio Lower Upper
112 100
64 58.2 44.1 66.1
63 31.1 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: 134.869 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.01 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

Instrument :

BNA_F

ClientSampled :

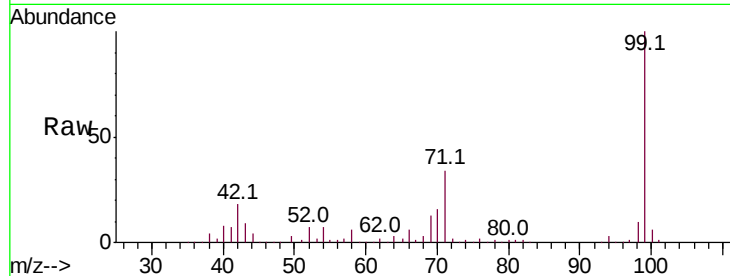
Tot Ion: 99 Resp: 941676

Ion Ratio Lower Upper

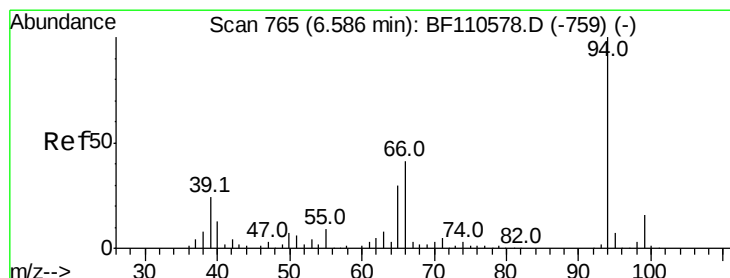
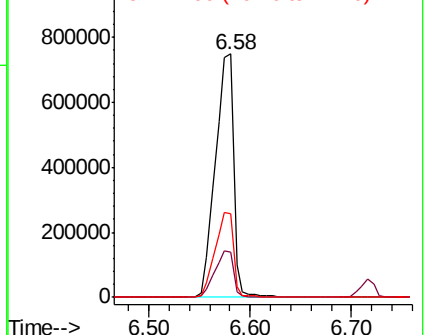
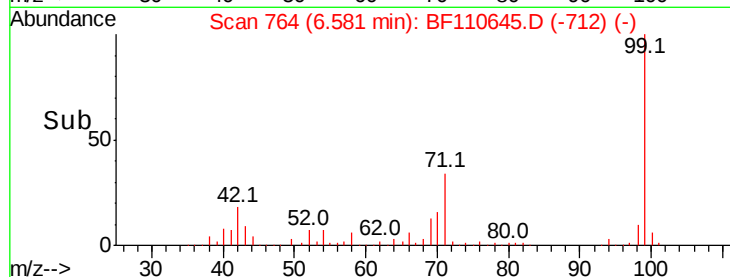
99 100

42 18.3 15.8 23.6

71 34.4 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
1000000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 7.184 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.00 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

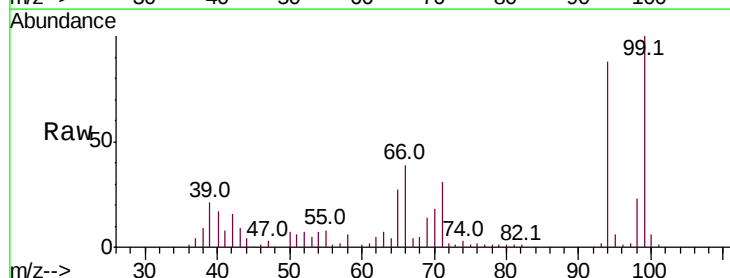
Tgt Ion: 94 Resp: 58161

Ion Ratio Lower Upper

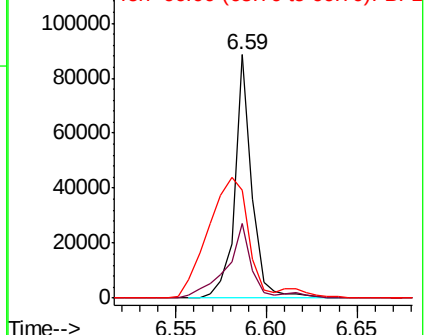
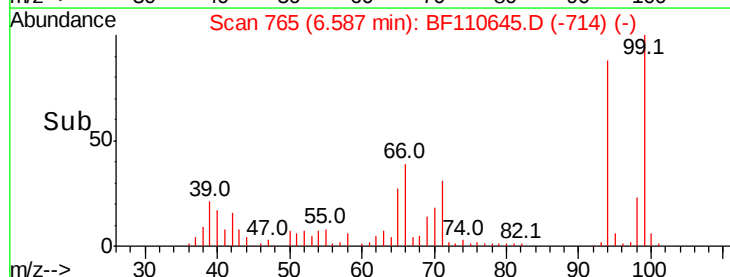
94 100

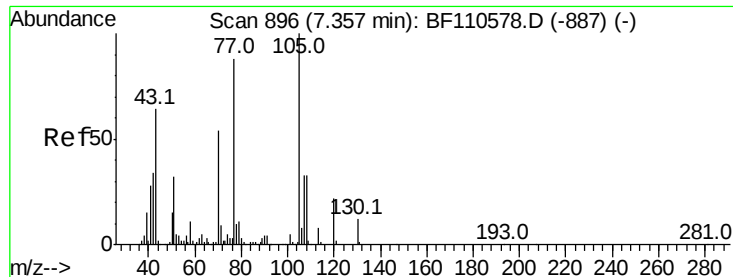
65 30.7 25.3 65.3

66 44.1 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
120000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

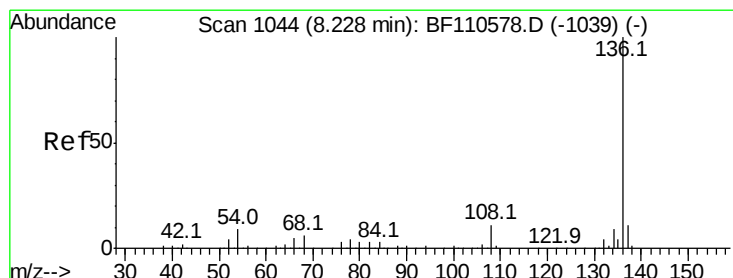
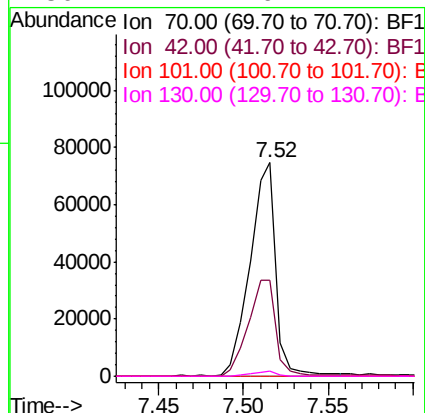
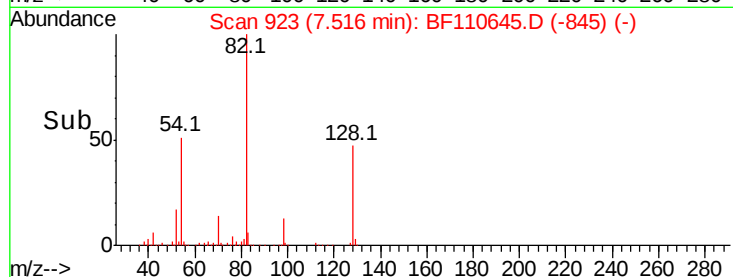
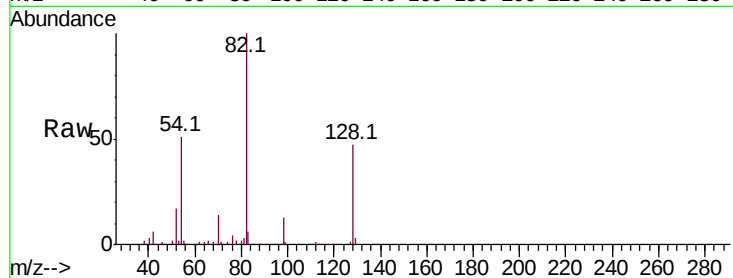




#19
n-Nitroso-di-n-propylamine
Concen: 18.021 ng
RT: 7.52 min Scan# 923
Delta R.T. 0.16 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

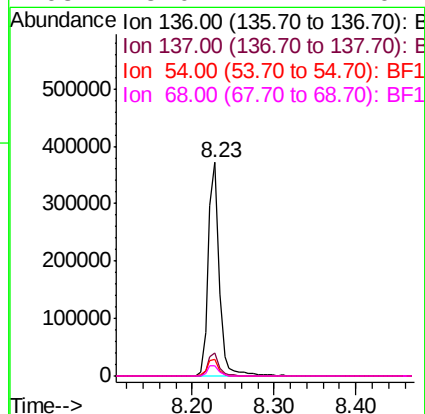
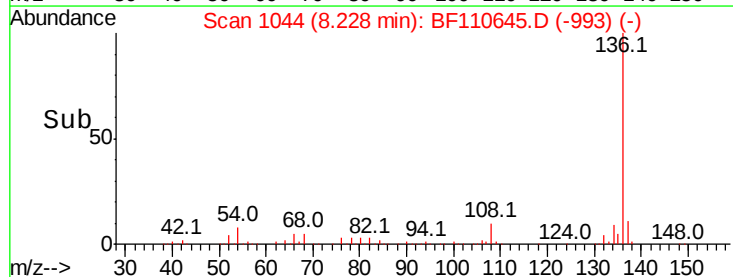
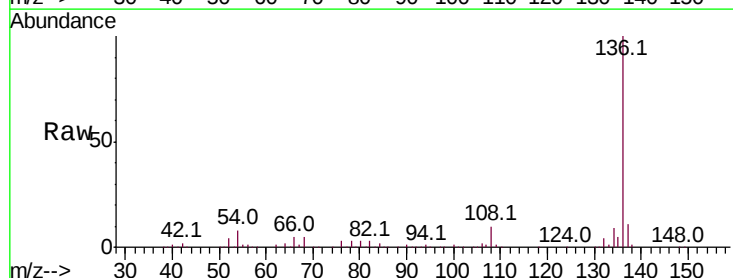
Instrument :
BNA_F
ClientSampleId :

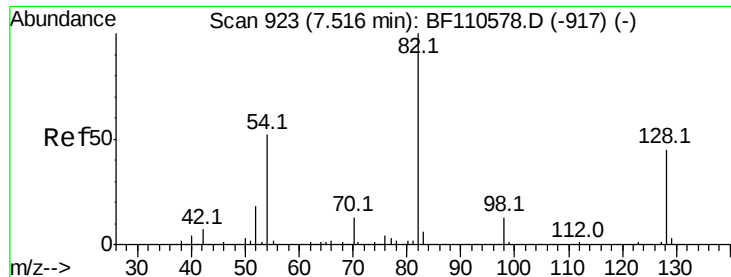
Tot Ion: 70 Resp: 80318
Ion Ratio Lower Upper
70 100
42 44.9 47.4 71.2#
101 0.0 7.3 10.9#
130 2.2 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Tgt Ion: 136 Resp: 349671
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.7 5.4 8.2
68 5.0 4.2 6.2

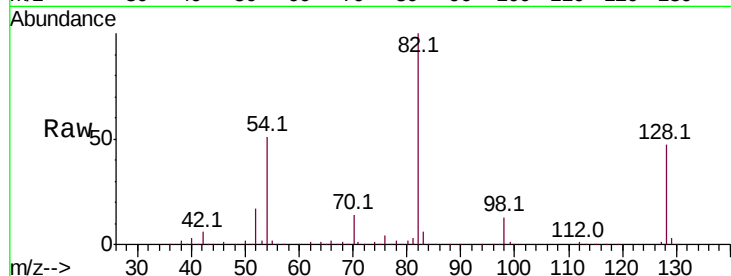




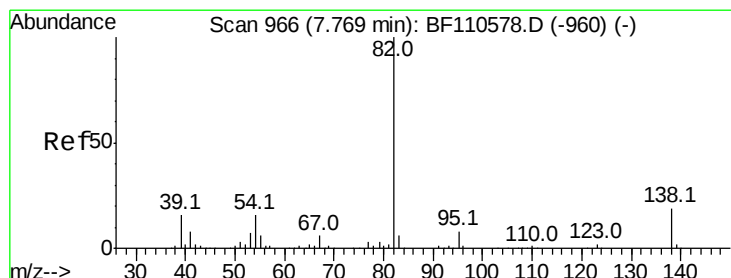
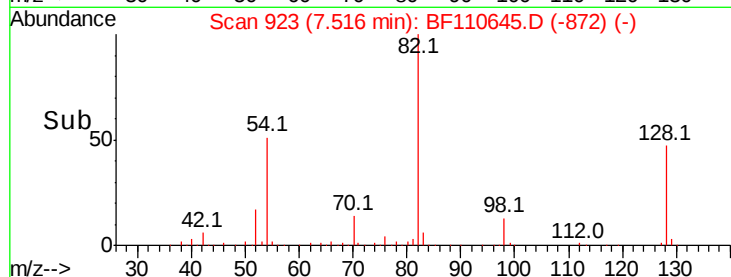
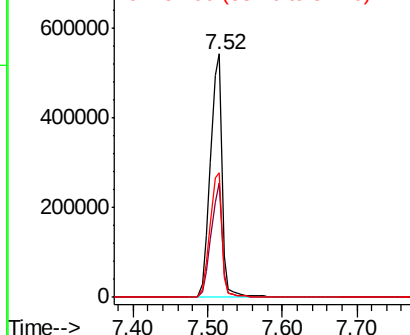
#23
 Nitrobenzene-d5
 Concen: 97.971 ng
 RT: 7.52 min Scan# 923
 Delta R.T. 0.00 min
 Lab File: BF110645.D
 Acq: 9 Nov 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.1	34.2	51.2
54	50.9	38.6	58.0

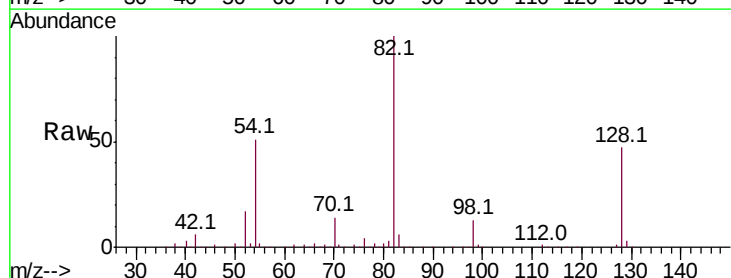


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

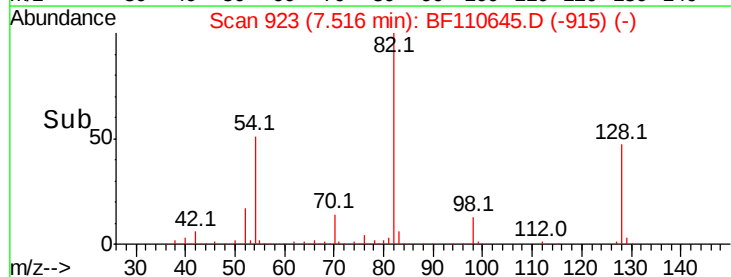
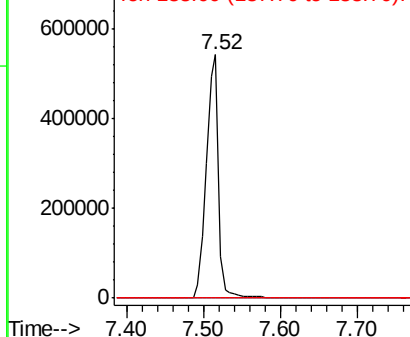


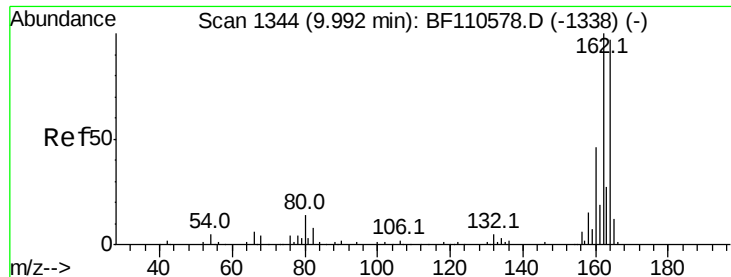
#25
 Isophorone
 Concen: 59.774 ng
 RT: 7.52 min Scan# 923
 Delta R.T. -0.25 min
 Lab File: BF110645.D
 Acq: 9 Nov 2018 23:25

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#



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

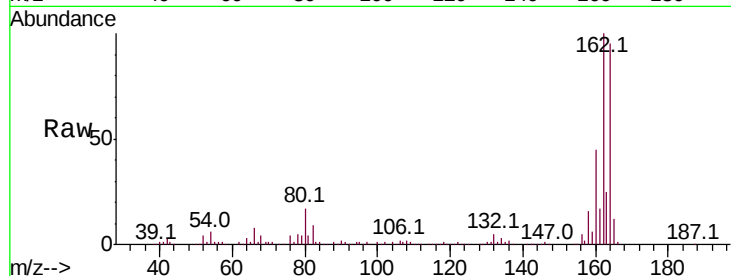




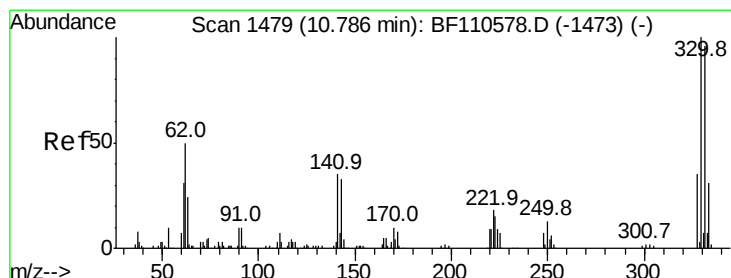
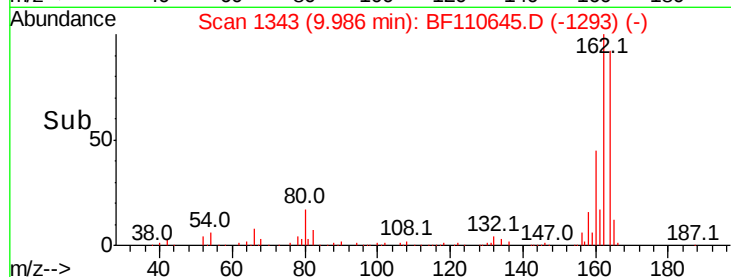
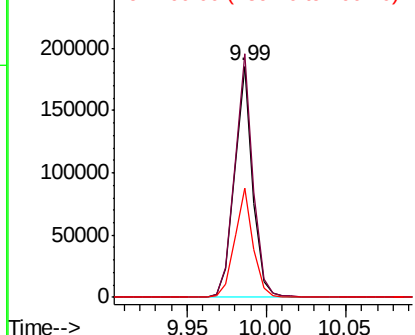
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.99 min Scan# 1343
Delta R.T. -0.01 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:164 Resp: 147132
Ion Ratio Lower Upper
164 100
162 105.2 83.0 124.6
160 47.3 37.0 55.6

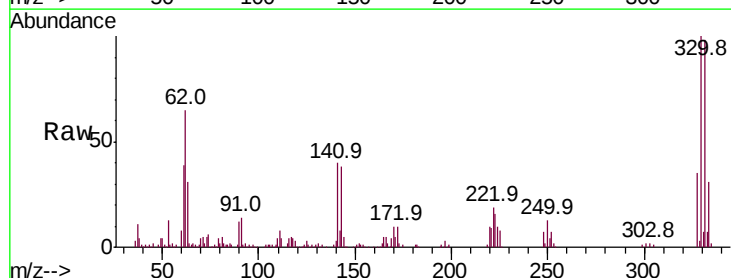


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

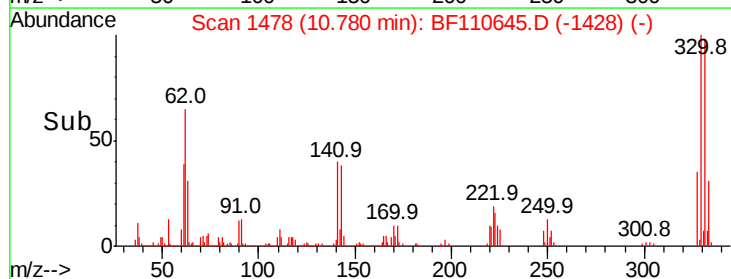
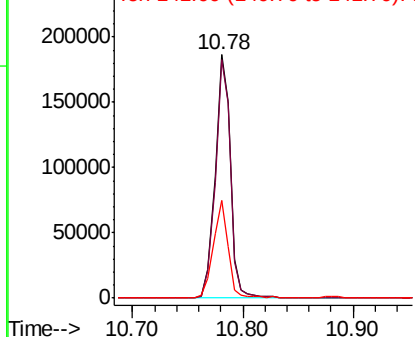


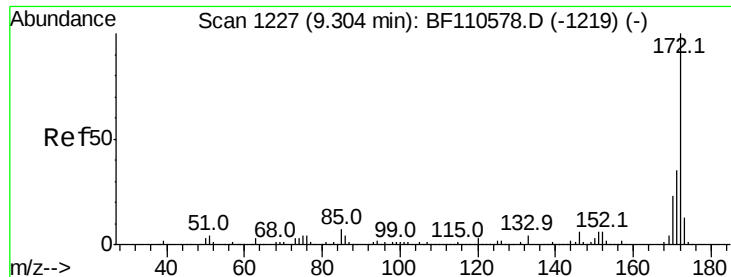
#42
2,4,6-Tribromophenol
Concen: 119.899 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Tgt Ion:330 Resp: 177755
Ion Ratio Lower Upper
330 100
332 97.6 77.1 115.7
141 39.4 27.0 40.4



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

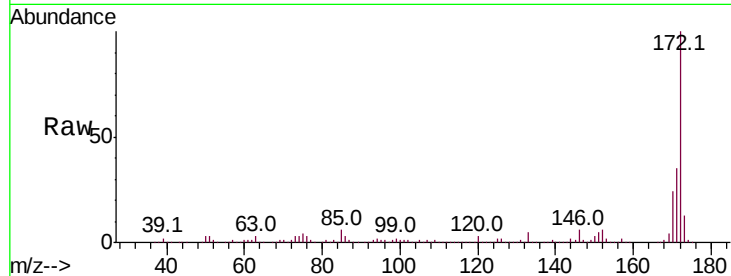




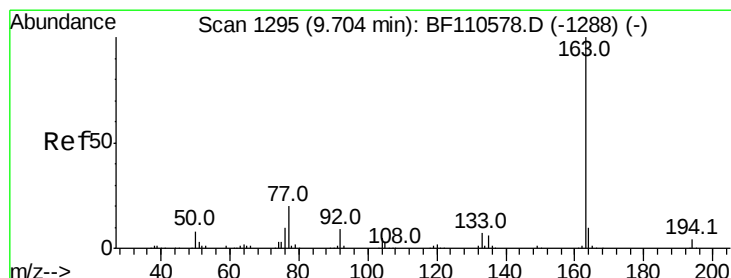
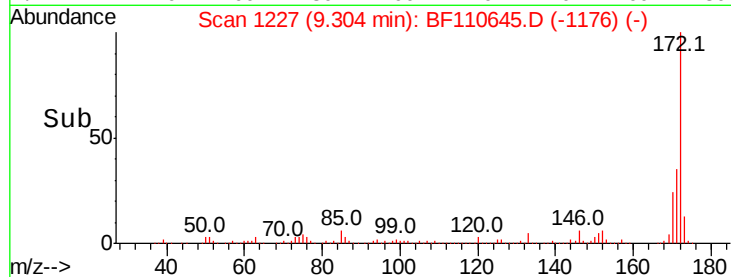
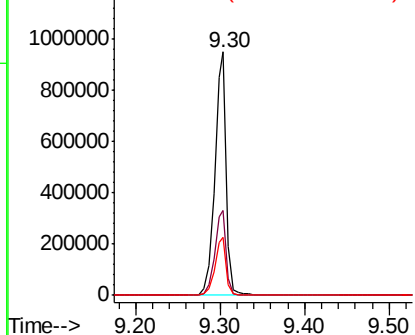
#45
2-Fluorobiphenyl
Concen: 89.157 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 918498
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.7 19.7 29.5

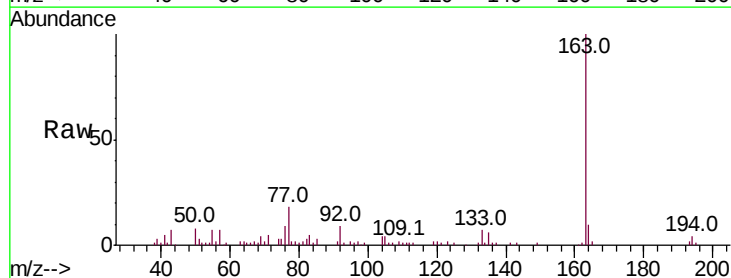


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

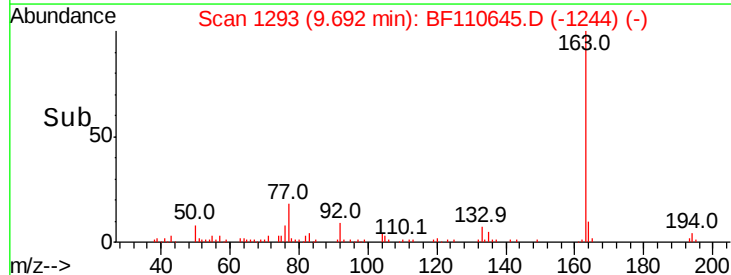
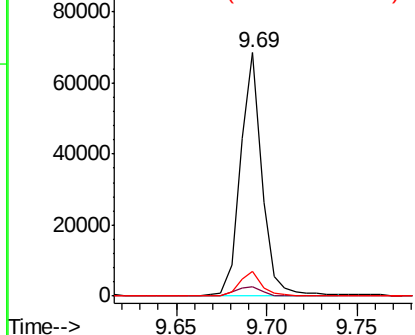


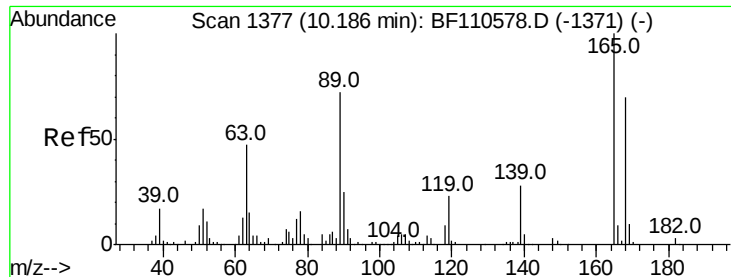
#50
Dimethylphthalate
Concen: 5.190 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Tgt Ion:163 Resp: 56974
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 10.1 8.1 12.1



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

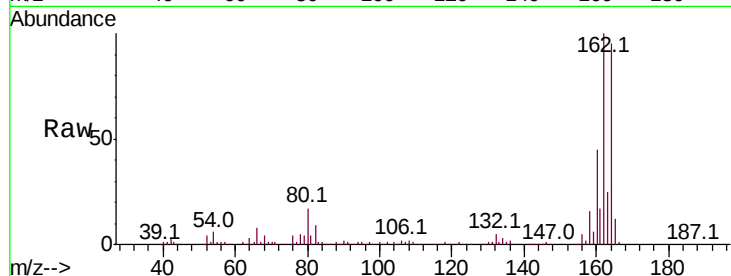




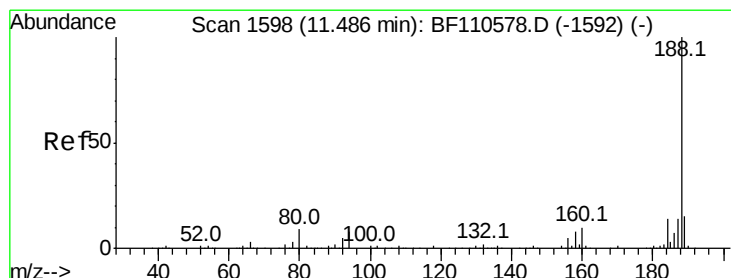
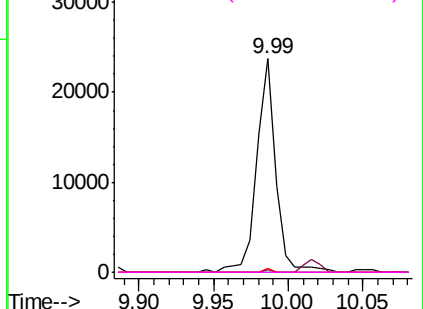
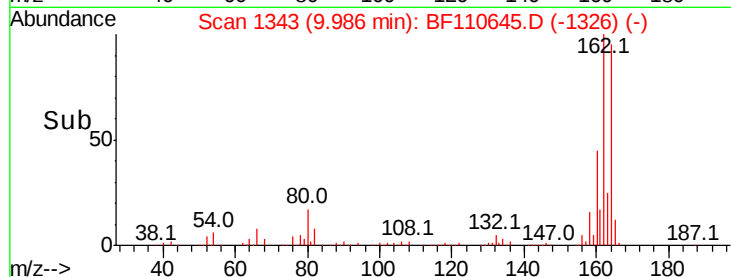
#57
 2,4-Dinitrotoluene
 Concen: 6.635 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. -0.20 min
 Lab File: BF110645.D
 Acq: 9 Nov 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 20836
 Ion Ratio Lower Upper
 165 100
 63 1.3 44.8 67.2#
 89 1.8 62.2 93.4#
 182 0.0 2.1 3.1#

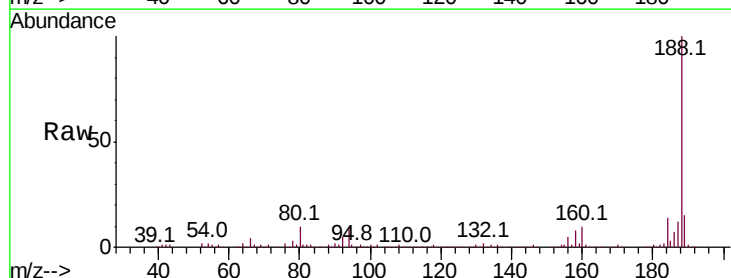


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

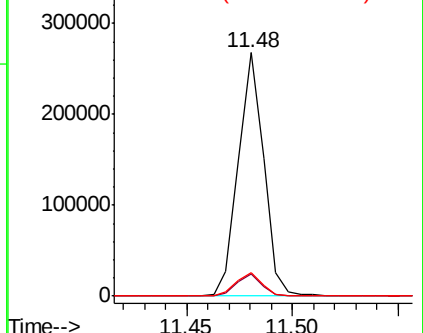
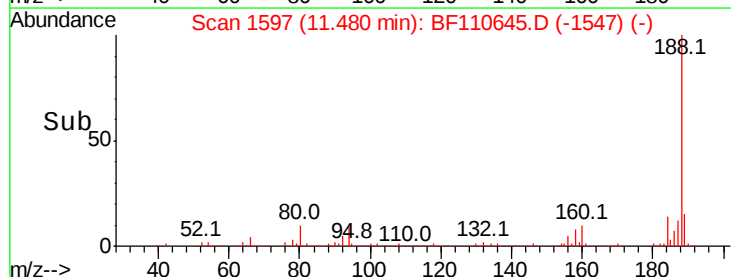


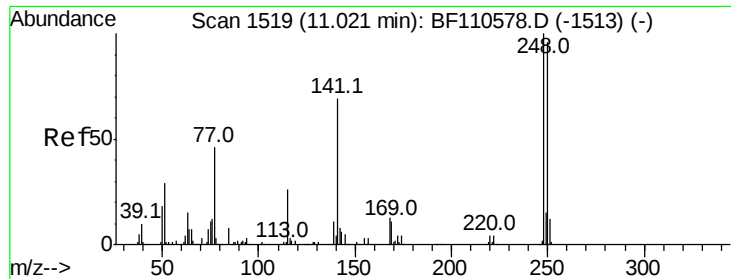
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1597
 Delta R.T. -0.01 min
 Lab File: BF110645.D
 Acq: 9 Nov 2018 23:25

Tgt Ion:188 Resp: 223386
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.2 10.8
 80 9.7 7.9 11.9



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

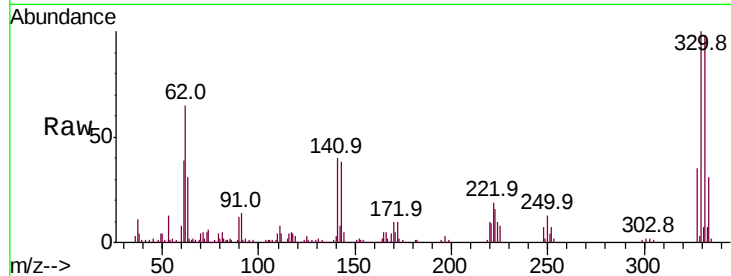




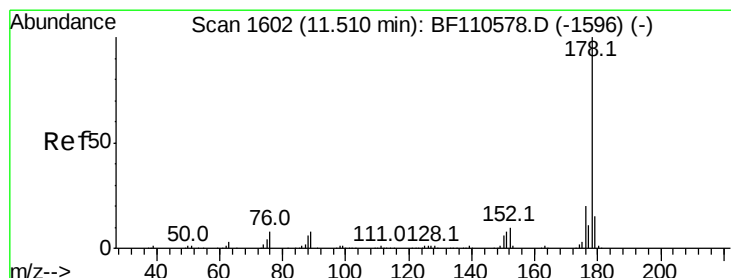
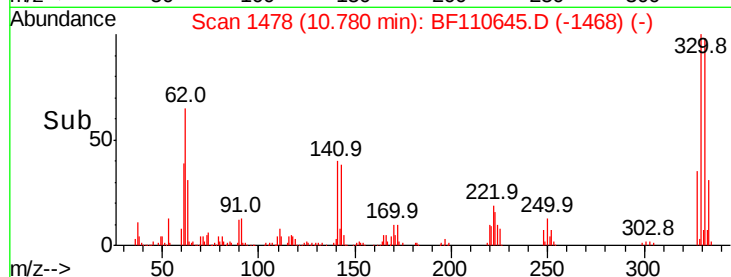
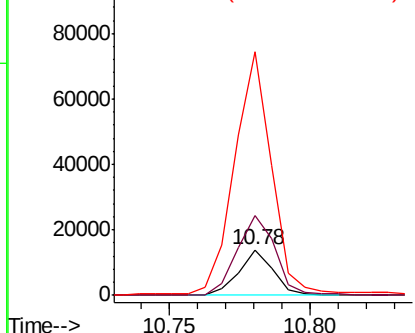
#67
 4-Bromophenyl-phenylether
 Concen: 4.748 ng
 RT: 10.78 min Scan# 1478
 Delta R.T. -0.24 min
 Lab File: BF110645.D
 Acq: 9 Nov 2018 23:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 11723
 Ion Ratio Lower Upper
 248 100
 250 176.2 79.4 119.2#
 141 538.9 55.9 83.9#

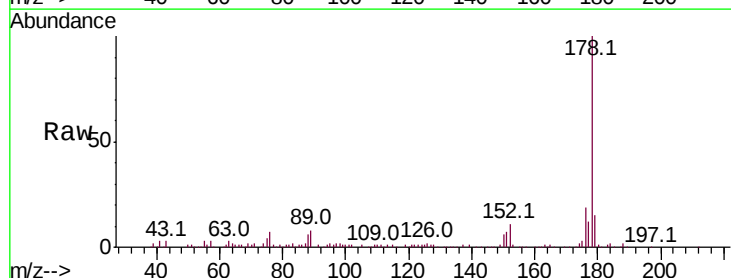


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

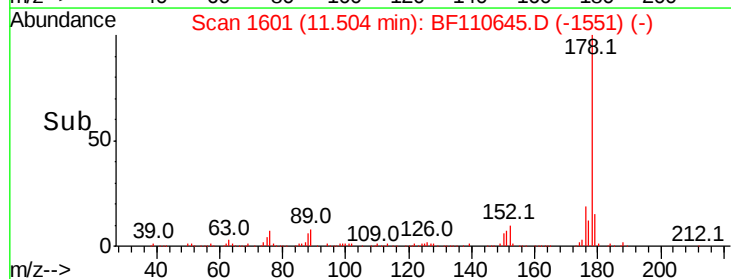
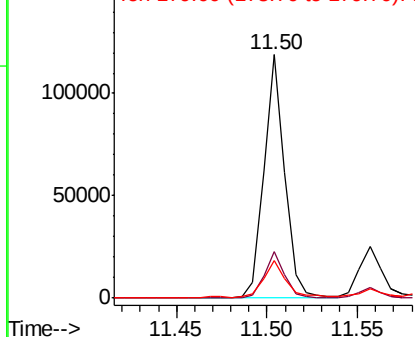


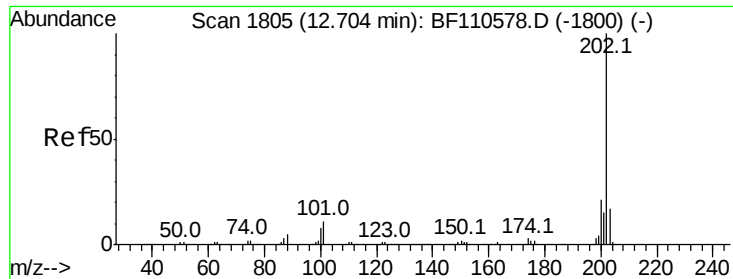
#71
 Phenanthrene
 Concen: 7.922 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110645.D
 Acq: 9 Nov 2018 23:25

Tgt Ion:178 Resp: 94815
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.5 23.3
 179 15.4 12.5 18.7



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





#75

Fluoranthene

Concen: 10.678 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.01 min

Lab File: BF110645.D

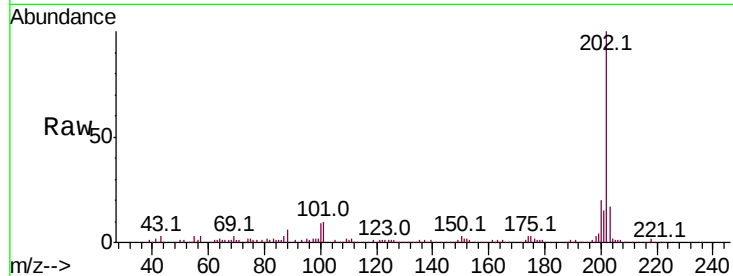
Acq: 9 Nov 2018 23:25

Instrument :

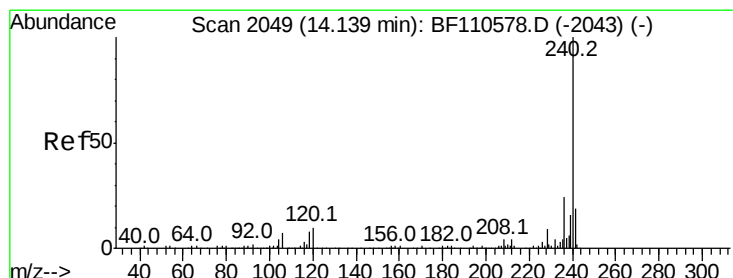
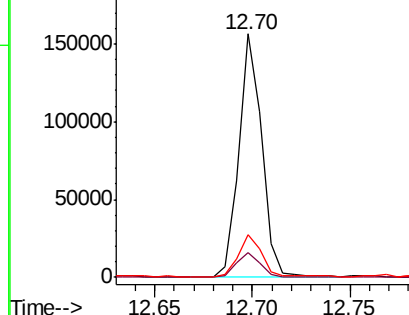
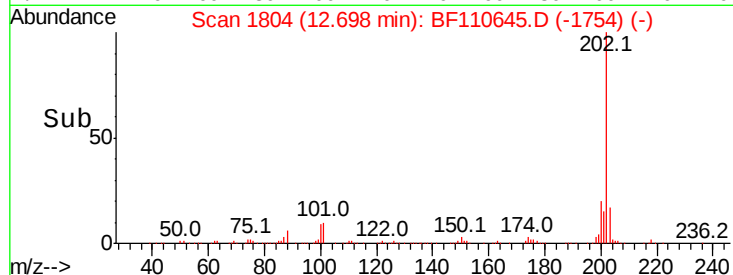
BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	128124
Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.4
203	17.4	0.0	37.7



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



#76

Chrysene-d12

Concen: 20.000 ng

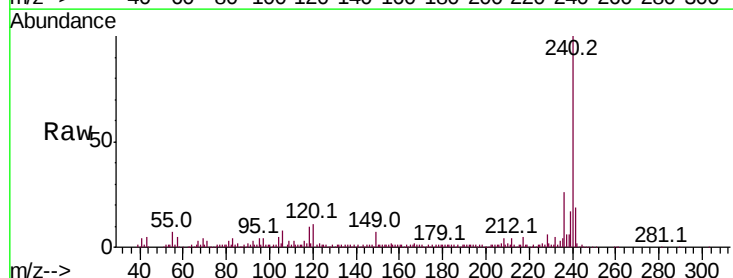
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

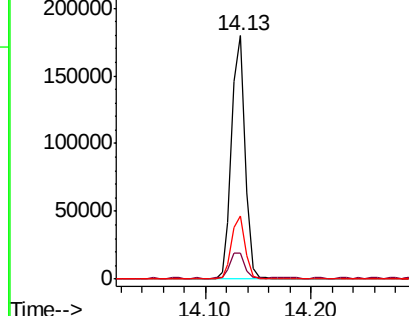
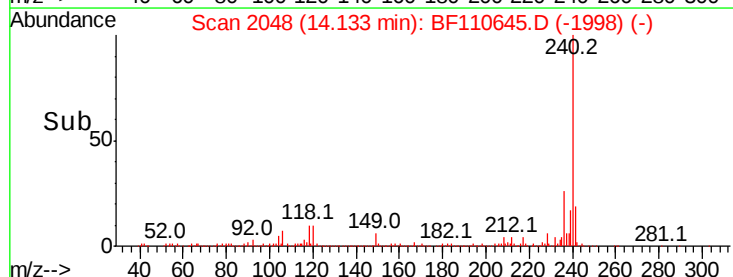
Lab File: BF110645.D

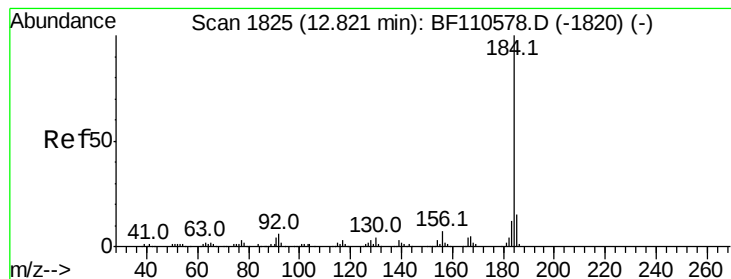
Acq: 9 Nov 2018 23:25

Tgt Ion:	240	Resp:	159746
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	26.2	21.2	31.8



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

Benzidine

Concen: 2.022 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.24 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

Instrument :

BNA_F

ClientSampled :

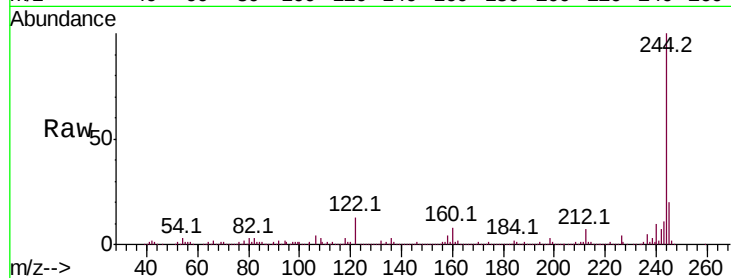
Tot Ion:184 Resp: 8882

Ion Ratio Lower Upper

184 100

185 36.0 13.4 20.2#

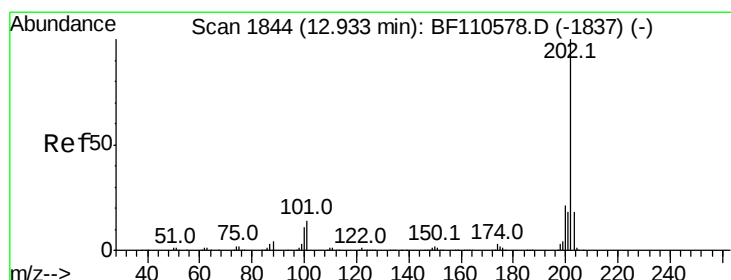
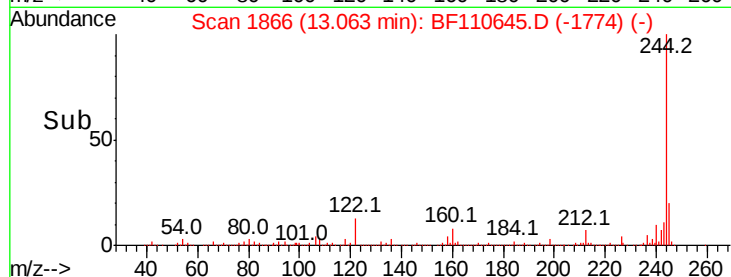
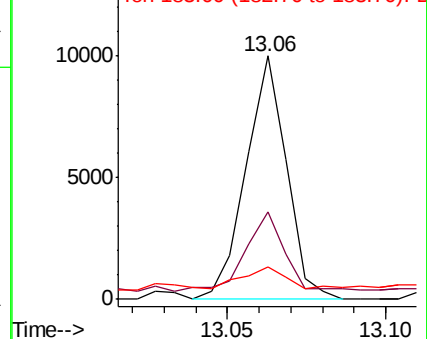
183 13.6 9.4 14.2



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 9.616 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

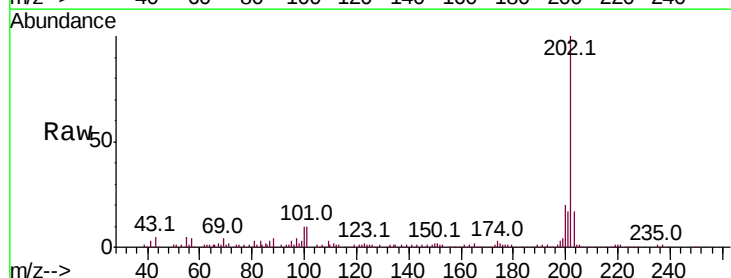
Tgt Ion:202 Resp: 118272

Ion Ratio Lower Upper

202 100

200 19.8 17.8 26.6

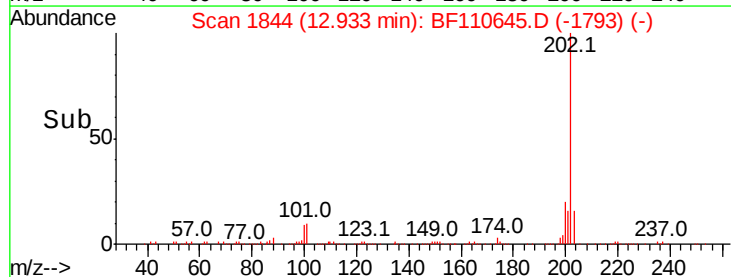
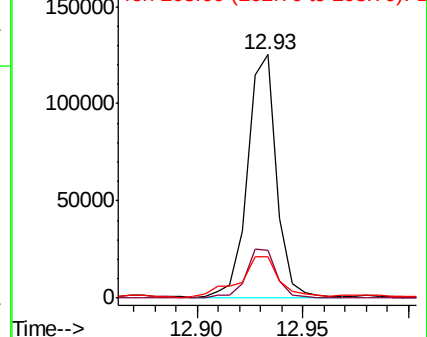
203 16.8 14.2 21.4

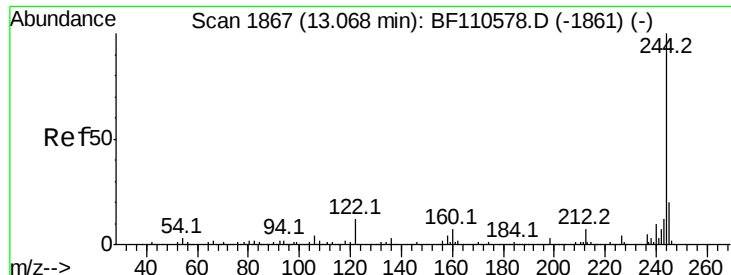


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 69.470 ng

RT: 13.06 min Scan# 1866

Delta R.T. -0.01 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

Instrument :

BNA_F

ClientSampleId :

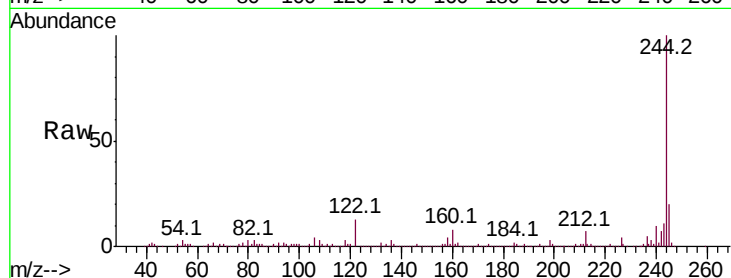
Tot Ion:244 Resp: 592578

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

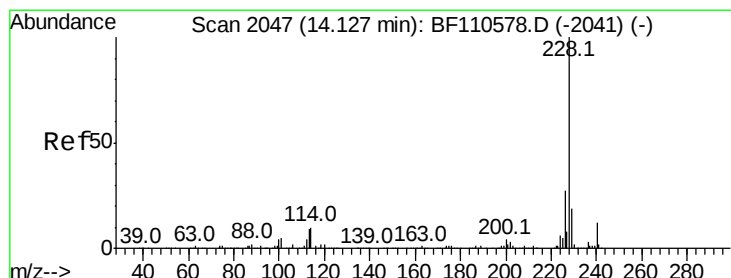
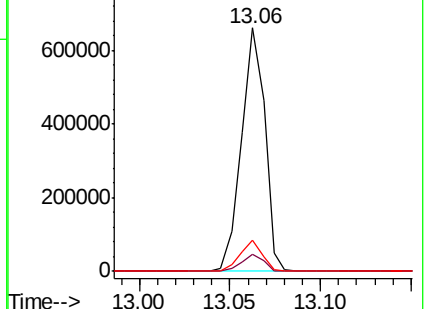
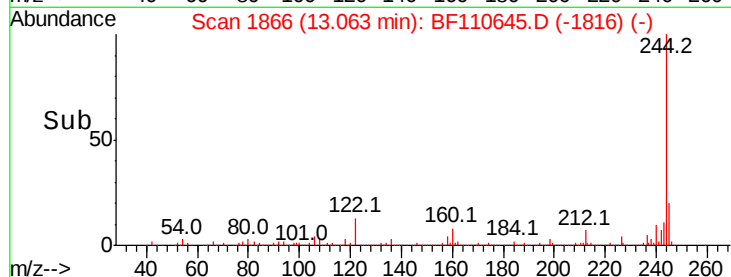
122 12.9 8.7 13.1



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



#81

Benzo(a)anthracene

Concen: 6.058 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

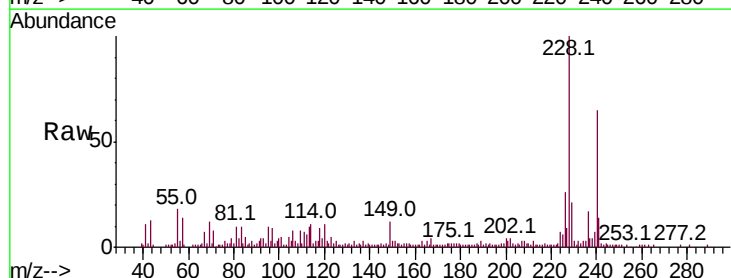
Tgt Ion:228 Resp: 57840

Ion Ratio Lower Upper

228 100

226 25.8 22.1 33.1

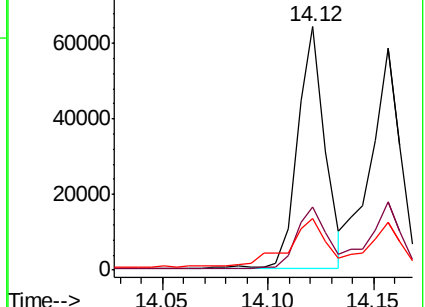
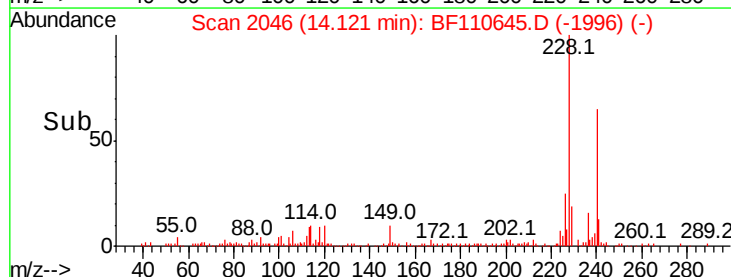
229 21.2 15.6 23.4

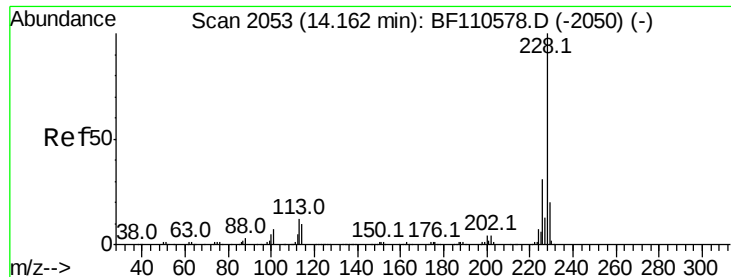


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 5.845 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

Instrument :

BNA_F

ClientSampleId :

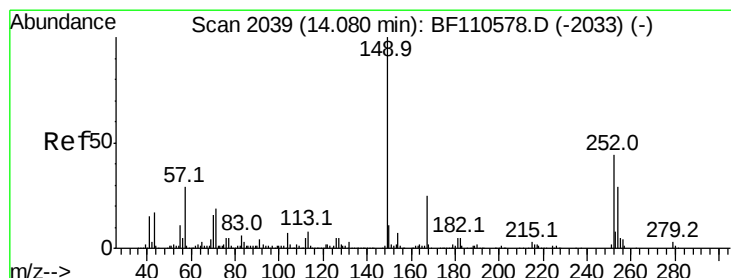
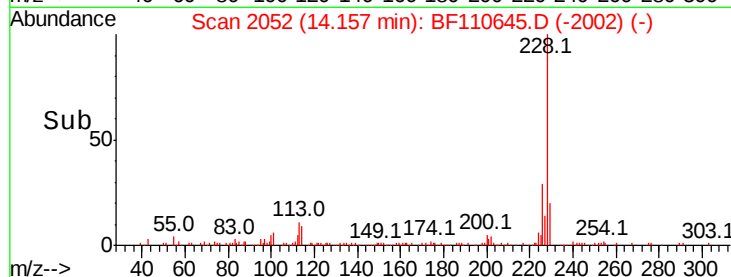
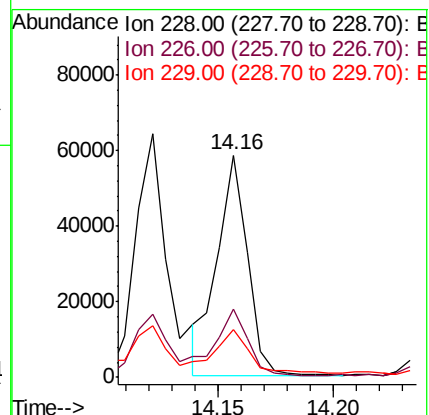
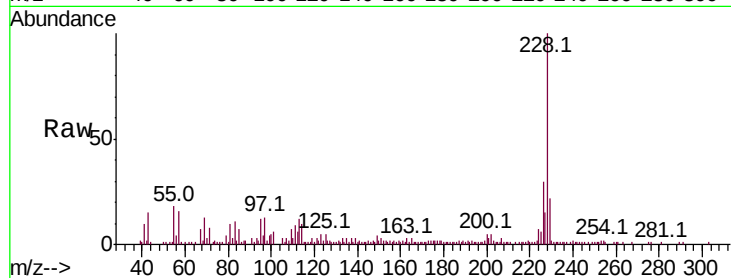
Tot Ion:228 Resp: 53173

Ion Ratio Lower Upper

228 100

226 30.5 24.7 37.1

229 21.6 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.519 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.00 min

Lab File: BF110645.D

Acq: 9 Nov 2018 23:25

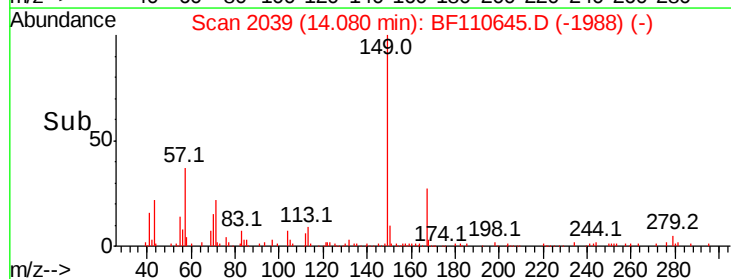
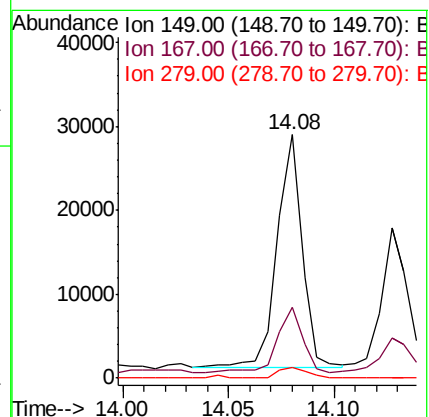
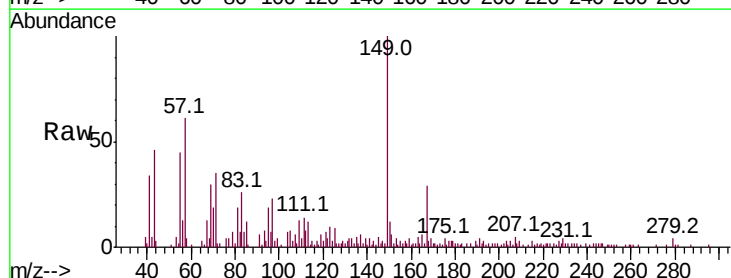
Tgt Ion:149 Resp: 23108

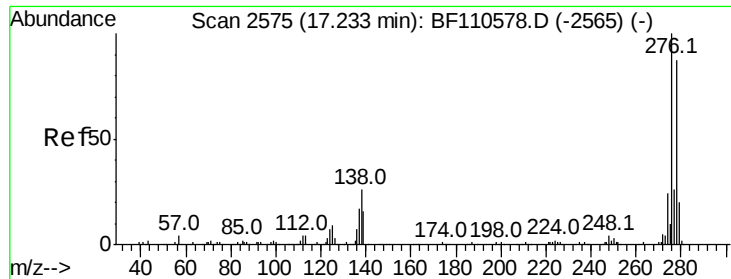
Ion Ratio Lower Upper

149 100

167 29.3 19.8 29.8

279 4.4 2.7 4.1#

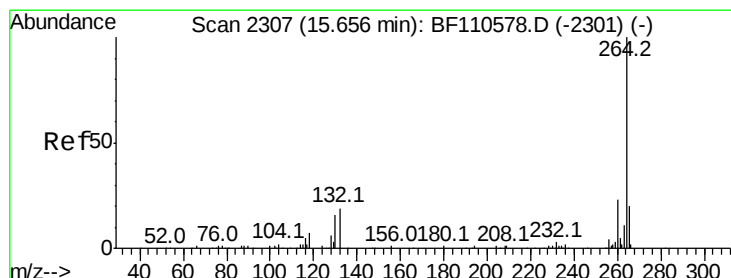
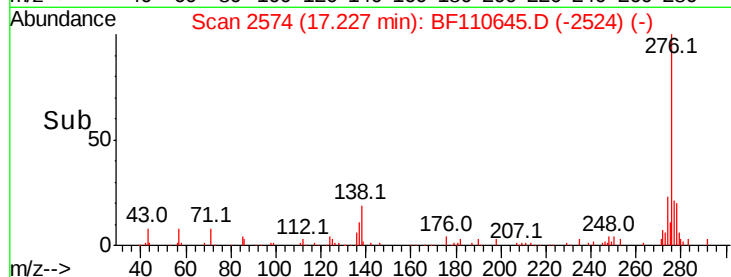
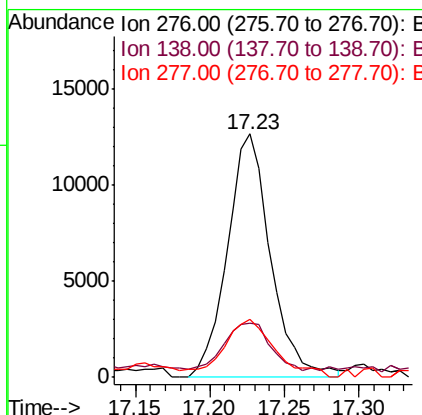
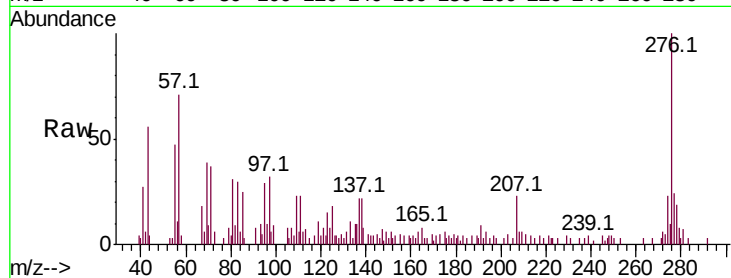




#86
Indeno(1,2,3-cd)pyrene
Concen: 3.921 ng
RT: 17.23 min Scan# 2574
Delta R.T. -0.01 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

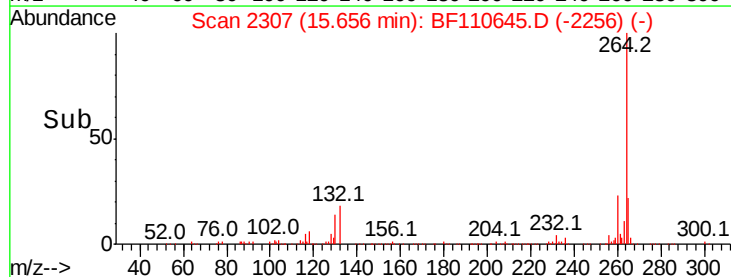
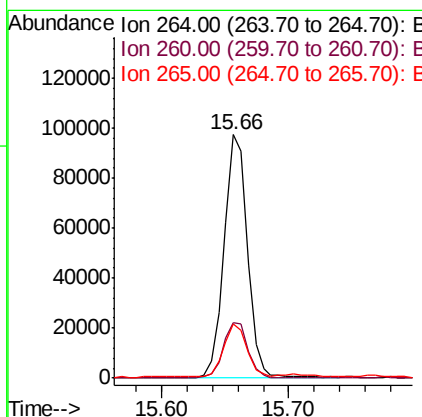
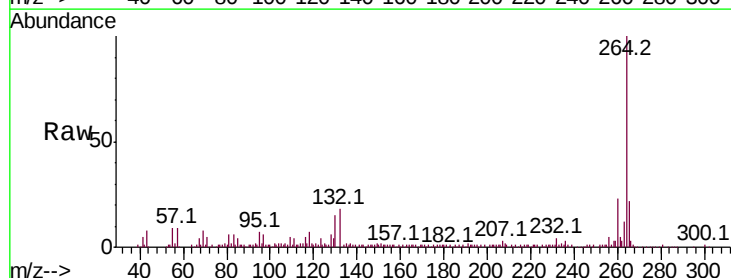
Instrument :
BNA_F
ClientSampleId :

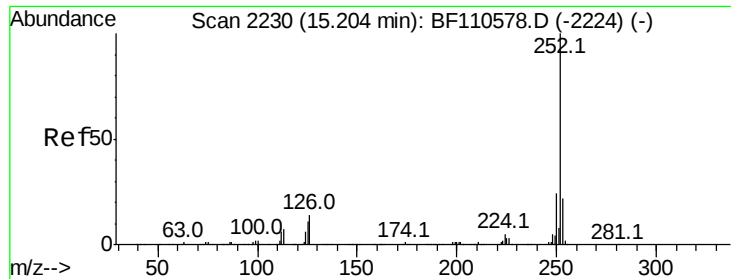
Tot Ion:276 Resp: 25598
Ion Ratio Lower Upper
276 100
138 20.3 18.5 27.7
277 27.9 20.0 30.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. 0.00 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Tgt Ion:264 Resp: 125112
Ion Ratio Lower Upper
264 100
260 22.9 18.7 28.1
265 22.1 16.7 25.1

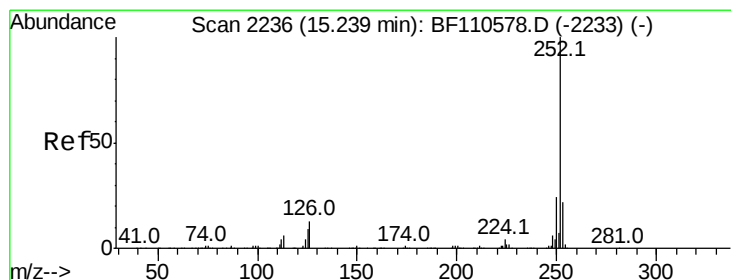
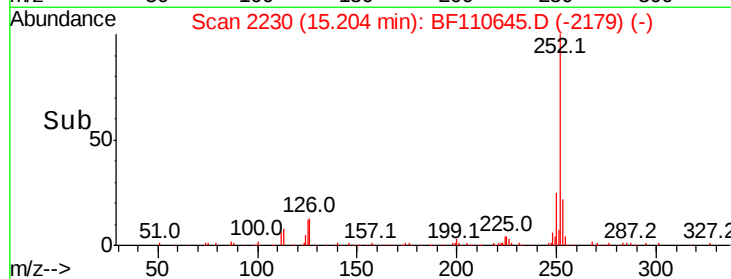
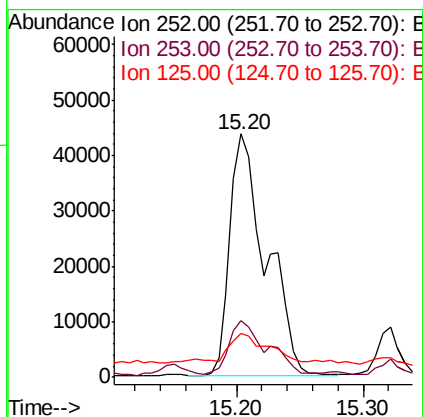
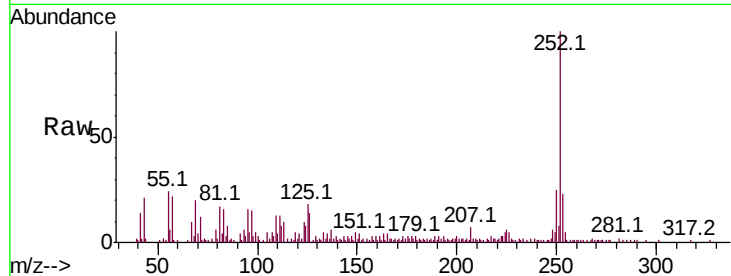




#88
Benzo(b)fluoranthene
Concen: 11.517 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

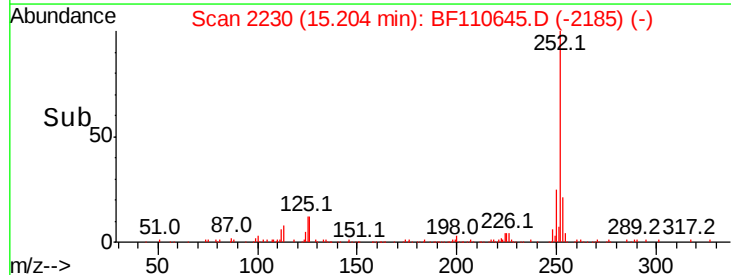
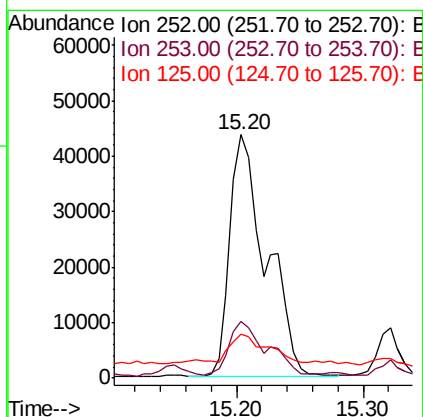
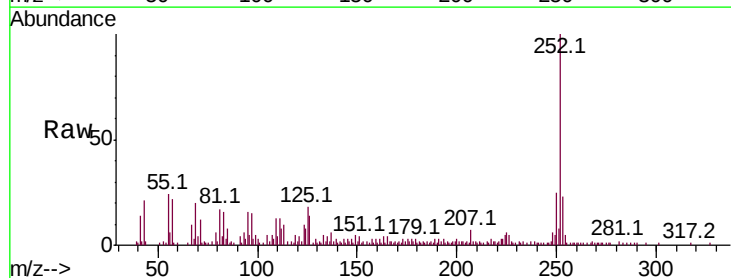
Instrument :
BNA_F
ClientSampleId :

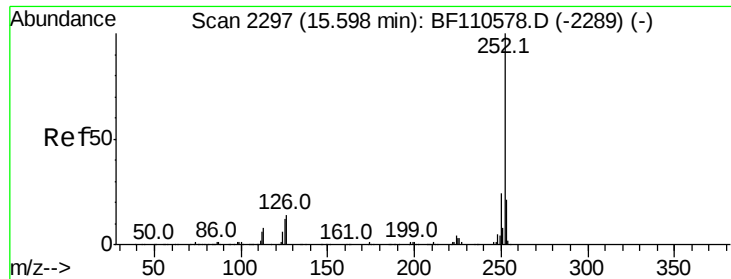
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	18.0	8.2	12.4



#89
Benzo(k)fluoranthene
Concen: 11.656 ng
RT: 15.20 min Scan# 2230
Delta R.T. -0.04 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.2	25.8
125	18.0	7.4	11.0

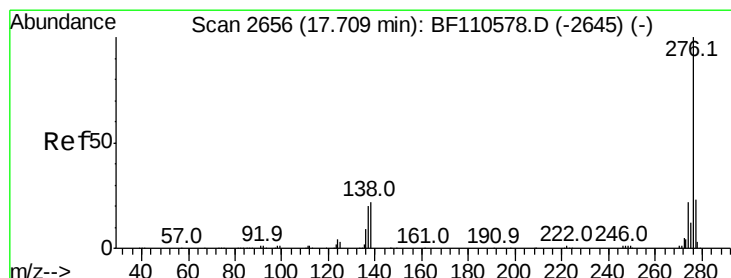
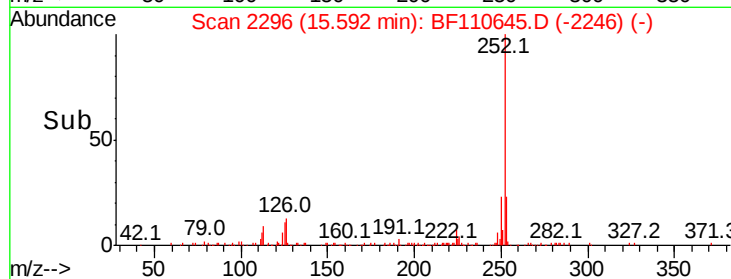
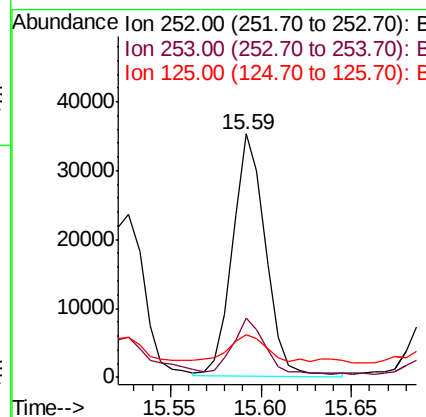
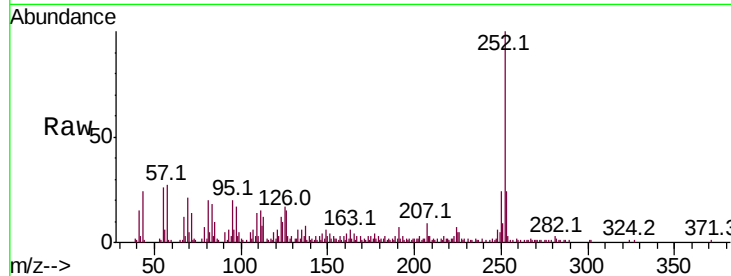




#90
Benzo(a)pyrene
Concen: 6.579 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.01 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:252 Resp: 44740
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.4
125 17.3 9.0 13.6#



#92
Benzo(g,h,i)perylene
Concen: 4.109 ng
RT: 17.70 min Scan# 2655
Delta R.T. -0.01 min
Lab File: BF110645.D
Acq: 9 Nov 2018 23:25

Tgt Ion:276 Resp: 23460
Ion Ratio Lower Upper
276 100
277 25.6 18.8 28.2
138 31.2 16.0 24.0#

