

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110104.D
 Acq On : 24 Oct 2018 10:19
 Operator : JU/SJ
 Sample : J5610-08
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:08:57 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 23 15:06:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	156955	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	602760	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	261404	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	401601	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	298211	20.00	ng	-0.02
87) Perylene-d12	15.66	264	314831	20.00	ng	-0.03

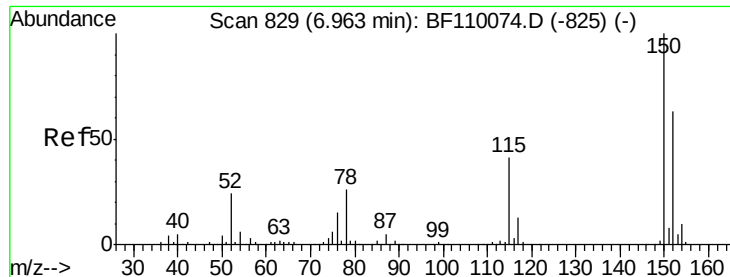
System Monitoring Compounds

5) 2-Fluorophenol	5.59	112	866964	89.95	ng	-0.01
7) Phenol-d6	6.59	99	1054503	85.54	ng	-0.02
23) Nitrobenzene-d5	7.53	82	664294	65.37	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	204396	78.94	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1001117	60.14	ng	-0.02
79) Terphenyl-d14	13.08	244	643942	44.91	ng	-0.02

Target Compounds

						Qvalue
9) Benzaldehyde	6.58	77	3047	Below Cal	#	1
10) Phenol	6.59	94	94766	7.191 ng	#	73
19) n-Nitroso-di-n-propylamine	7.53	70	88927	11.244 ng	#	79
25) Isophorone	7.53	82	664288	38.348 ng	#	67
50) Dimethylphthalate	9.71	163	173165	8.974 ng		98
57) 2,4-Dinitrotoluene	10.00	165	32958	6.243 ng	#	19
67) 4-Bromophenyl-phenylether	10.79	248	12982	2.980 ng	#	1
71) Phenanthrene	11.52	178	104218	4.960 ng		97
75) Fluoranthene	12.71	202	104852	4.917 ng		100
78) Pyrene	12.94	202	118391	5.538 ng		96
81) Benzo(a)anthracene	14.13	228	63725	3.603 ng		97
83) Chrysene	14.17	228	61229	3.645 ng		96
84) Bis(2-ethylhexyl)phthalate	14.10	149	45560	3.632 ng		96
86) Indeno(1,2,3-cd)pyrene	17.21	276	35456	2.544 ng	#	93
88) Benzo(b)fluoranthene	15.21	252	92486	5.087 ng	#	93
89) Benzo(k)fluoranthene	15.21	252	92513	5.176 ng	#	92
90) Benzo(a)pyrene	15.59	252	53752	3.213 ng	#	94
92) Benzo(a,h,i)perylene	17.68	276	34131	2.400 ng	#	88

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

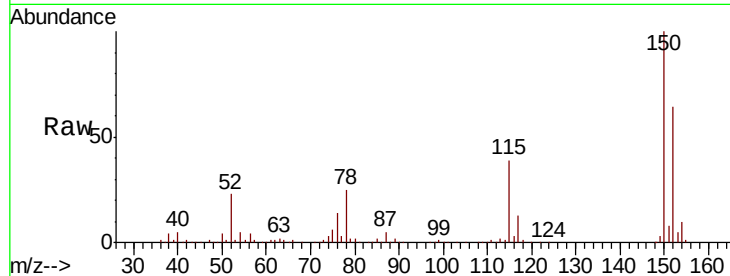


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	122.7	184.1
115	61.5	49.1	73.7

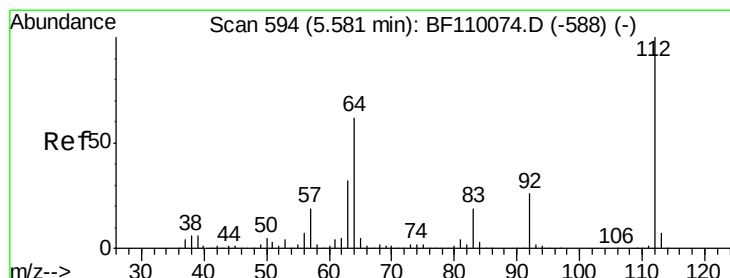
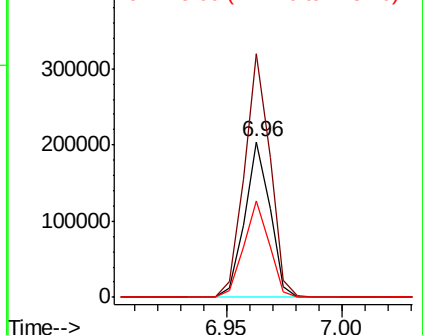
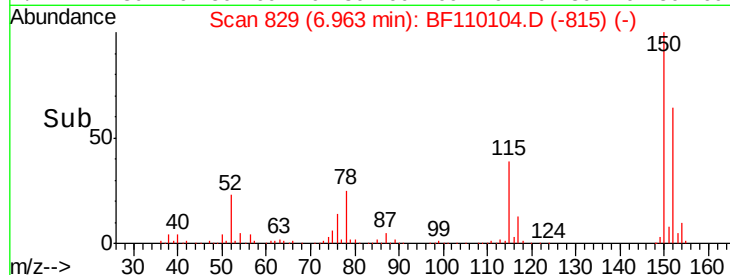


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

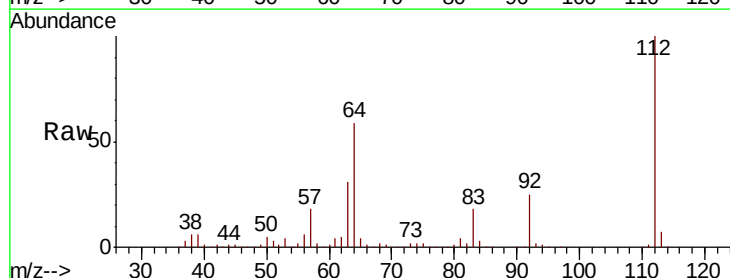
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.950 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	44.1	66.1
63	31.0	23.7	35.5

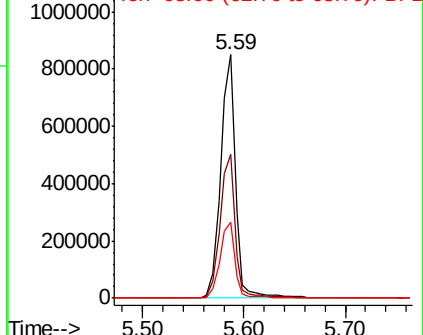
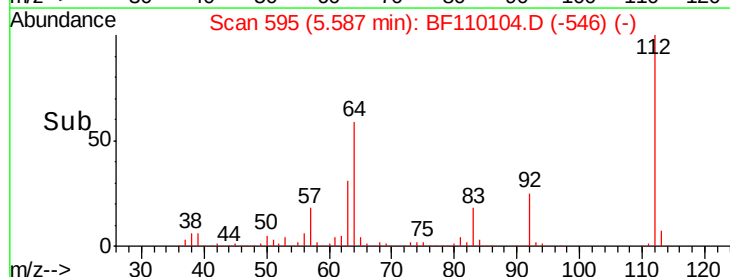


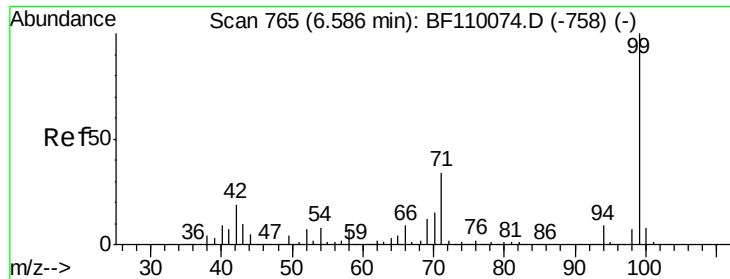
Abundance

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: 85.536 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110104.D

Acq: 24 Oct 2018 10:19

Instrument :

BNA_F

ClientSampled :

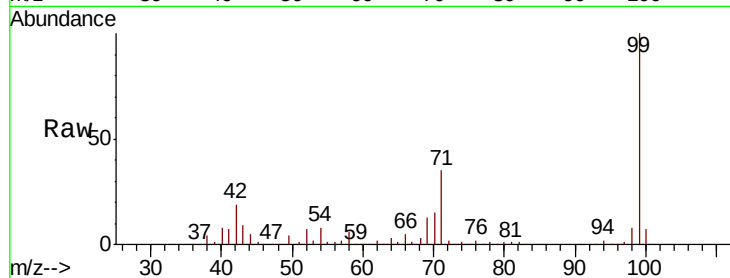
Tot Ion: 99 Resp: 1054503

Ion Ratio Lower Upper

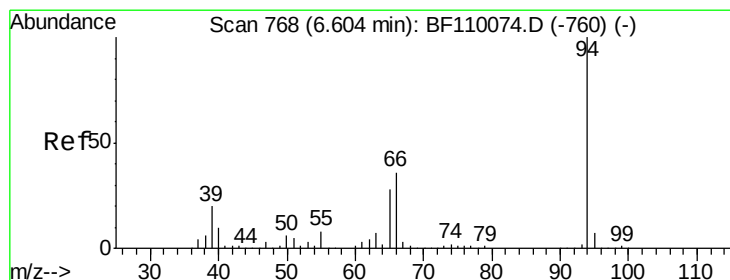
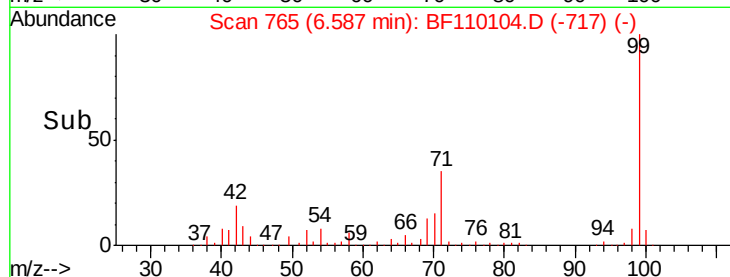
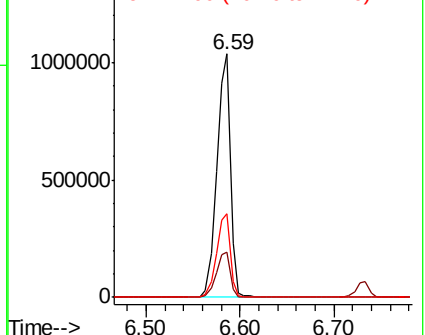
99 100

42 18.6 15.8 23.6

71 34.6 28.0 42.0



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



#10

Phenol

Concen: 7.191 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.02 min

Lab File: BF110104.D

Acq: 24 Oct 2018 10:19

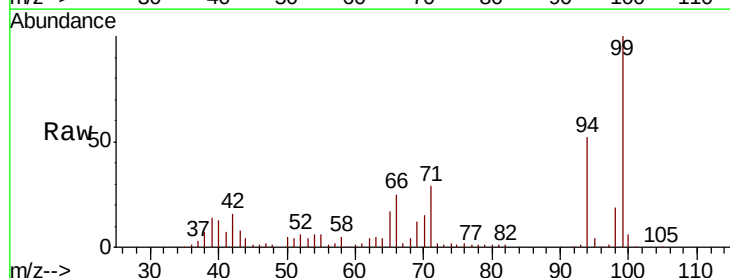
Tgt Ion: 94 Resp: 94766

Ion Ratio Lower Upper

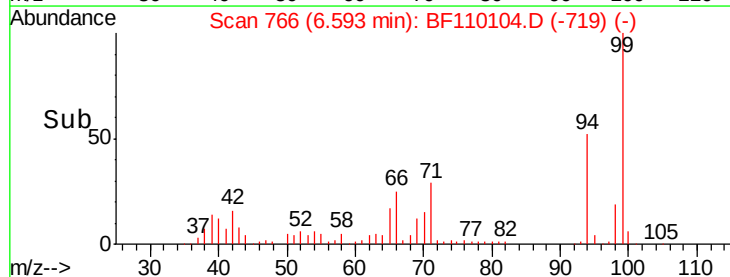
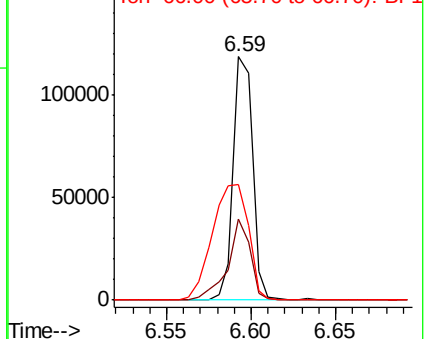
94 100

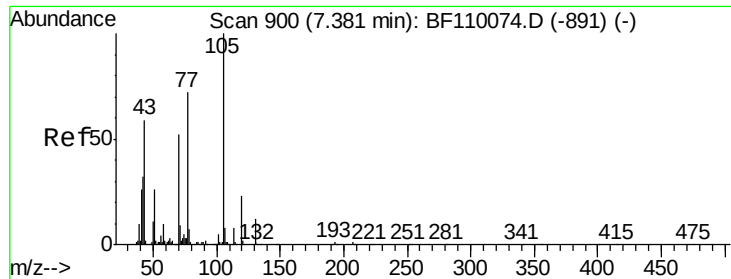
65 33.3 25.3 65.3

66 47.7 54.5 94.5#



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

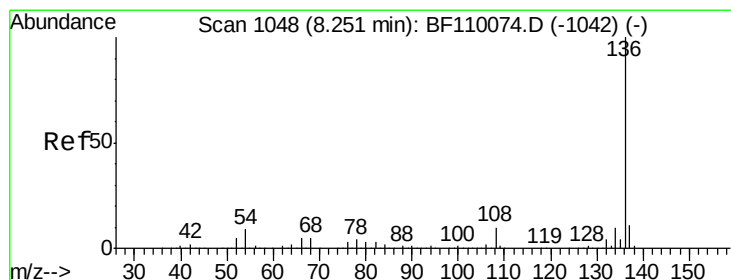
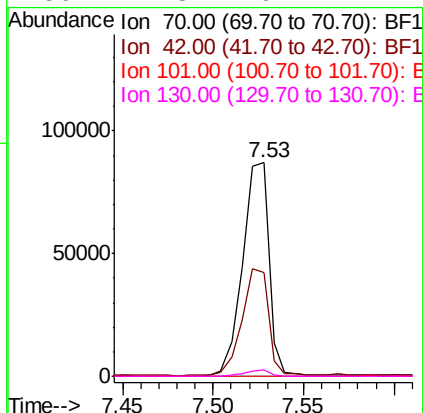
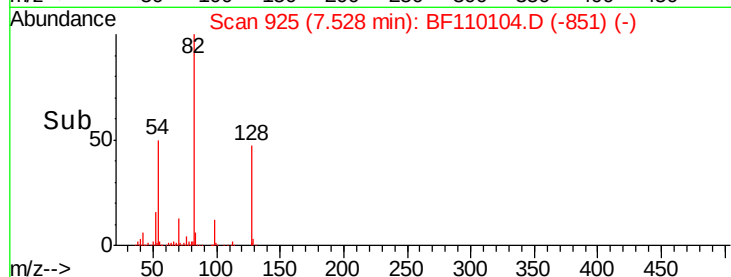
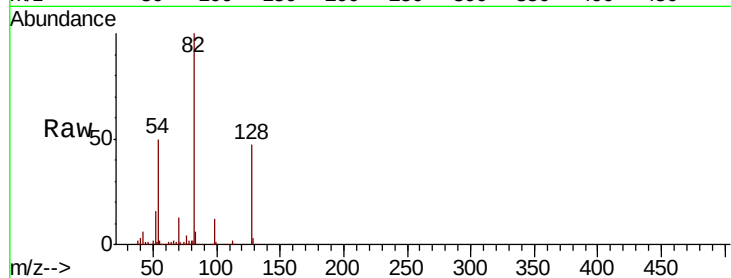




#19
n-Nitroso-di-n-propylamine
Concen: 11.244 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.14 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

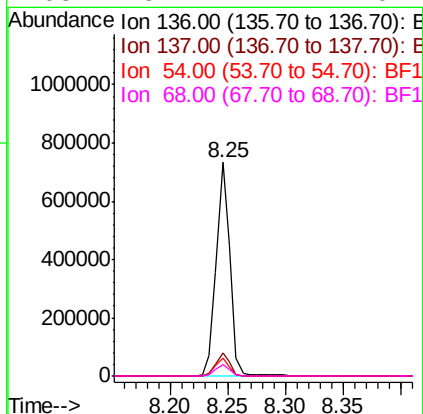
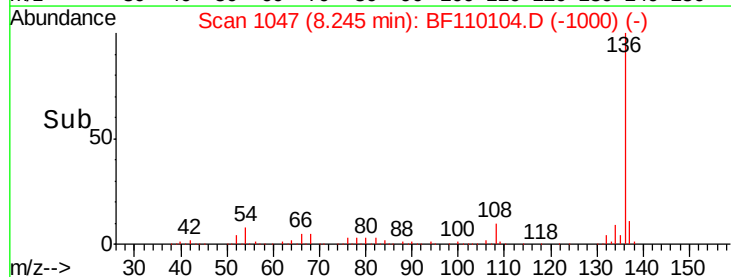
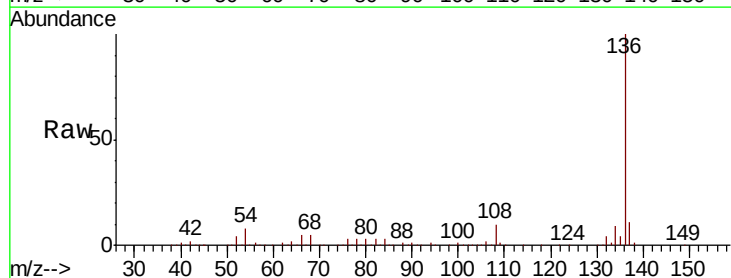
Instrument :
BNA_F
ClientSampleId :

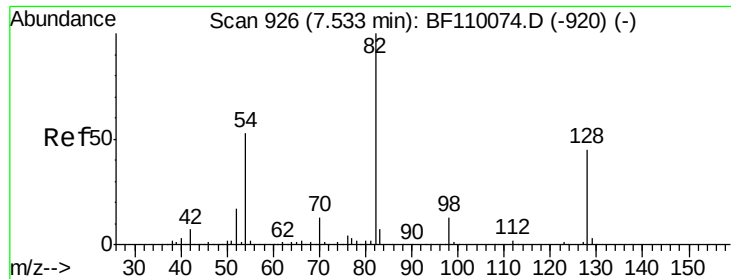
Tot Ion: 70 Resp: 88927
Ion Ratio Lower Upper
70 100
42 48.3 47.4 71.2
101 0.0 7.3 10.9#
130 2.8 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion: 136 Resp: 602760
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.3 5.4 8.2#
68 5.2 4.2 6.2

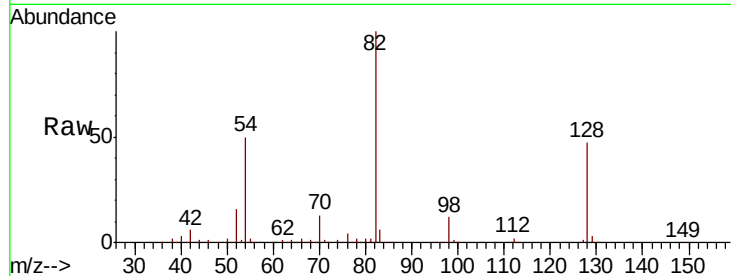




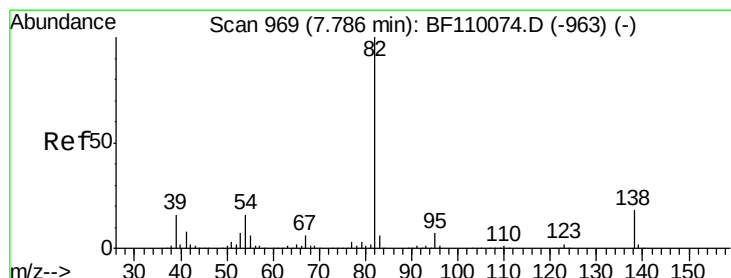
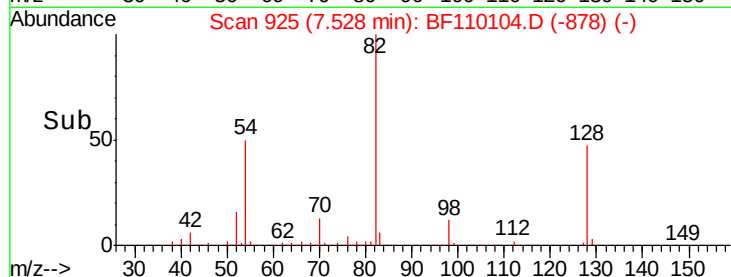
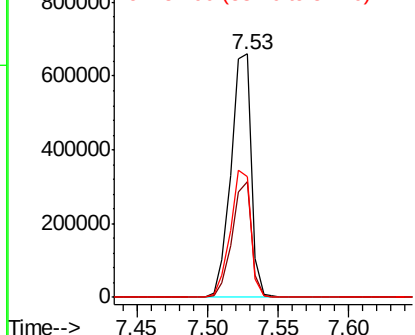
#23
 Nitrobenzene-d5
 Concen: 65.368 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BF110104.D
 Acq: 24 Oct 2018 10:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	664294
Ion Ratio	Lower	Upper	
82	100		
128	47.3	34.2	51.2
54	49.6	38.6	58.0

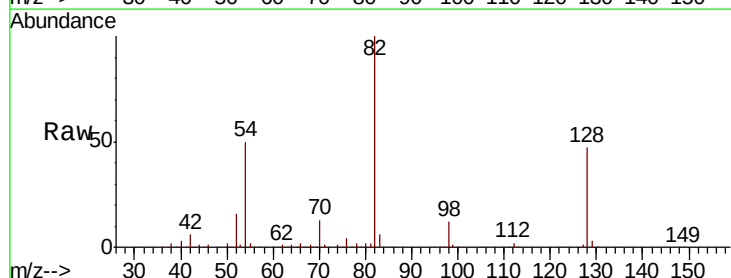


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

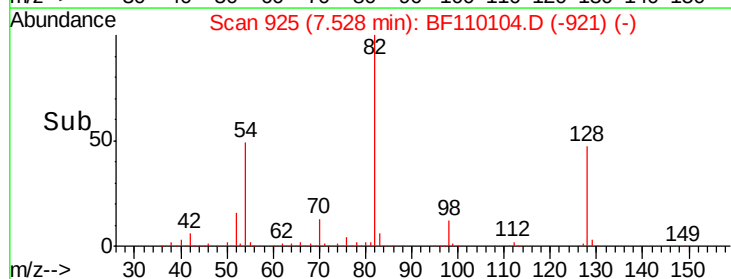
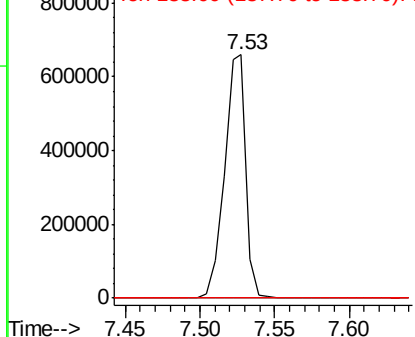


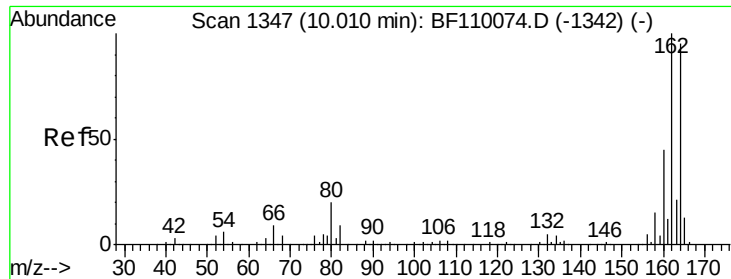
#25
 Isophorone
 Concen: 38.348 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.28 min
 Lab File: BF110104.D
 Acq: 24 Oct 2018 10:19

Tgt Ion	82	Resp	664288
Ion Ratio	Lower	Upper	
82	100		
95	0.1	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

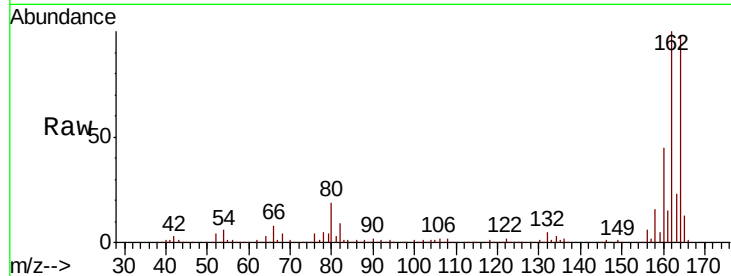




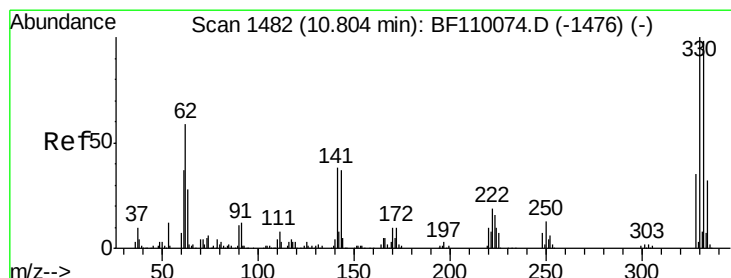
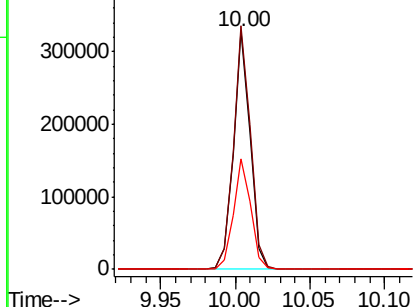
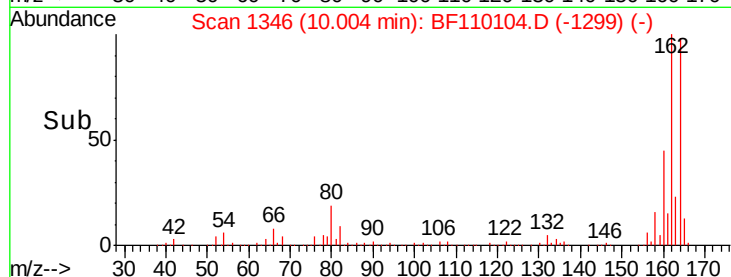
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 261404
Ion Ratio Lower Upper
164 100
162 102.2 83.0 124.6
160 46.2 37.0 55.6

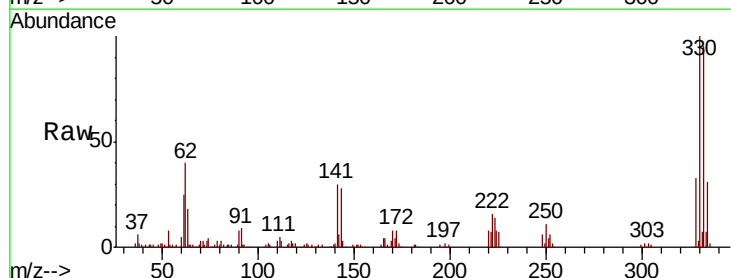


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

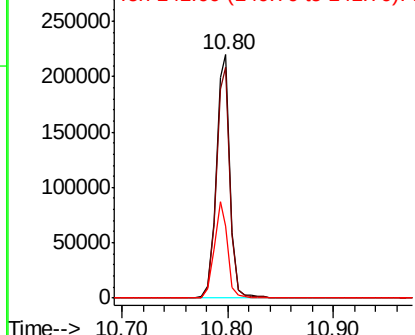
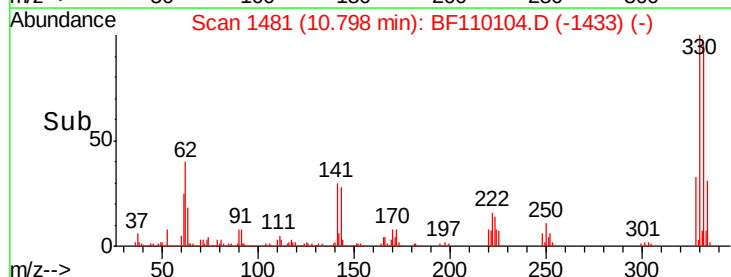


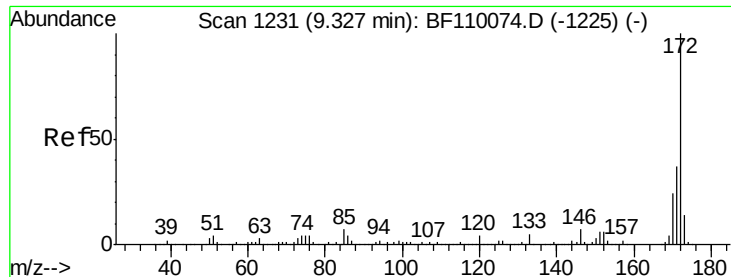
#42
2,4,6-Tribromophenol
Concen: 78.936 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion:330 Resp: 204396
Ion Ratio Lower Upper
330 100
332 95.0 77.1 115.7
141 38.5 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

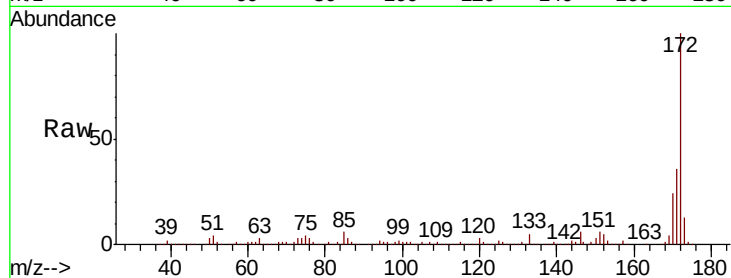




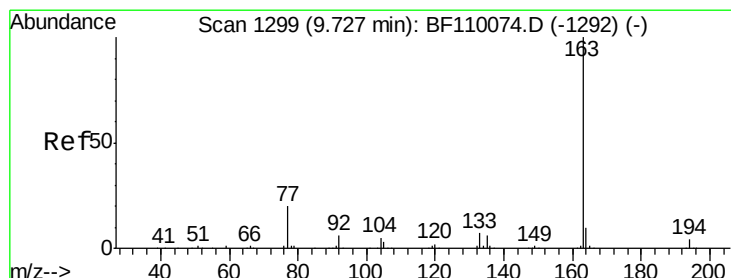
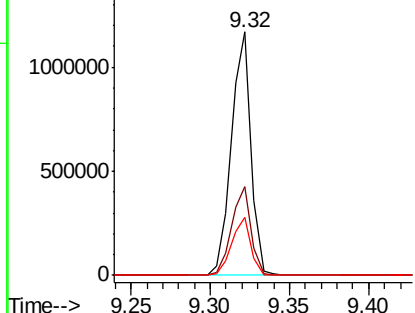
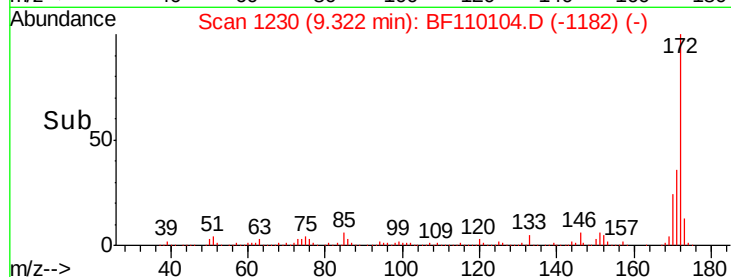
#45
2-Fluorobiphenyl
Concen: 60.137 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1001117
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 23.9 19.7 29.5

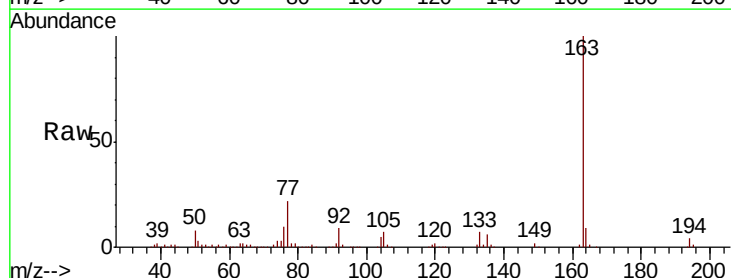


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

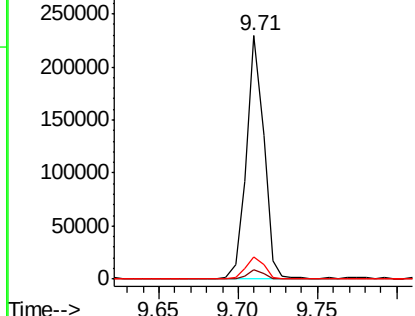
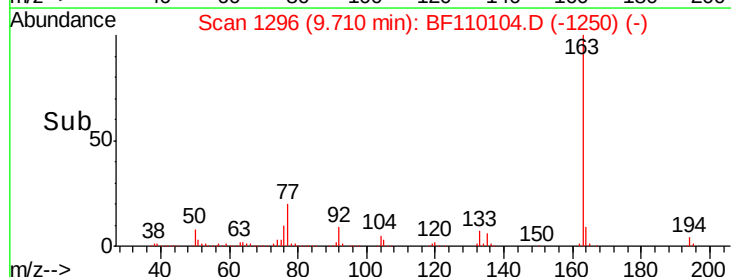


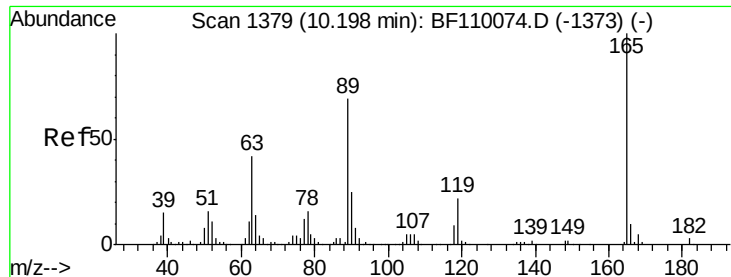
#50
Dimethylphthalate
Concen: 8.974 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion:163 Resp: 173165
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 9.4 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

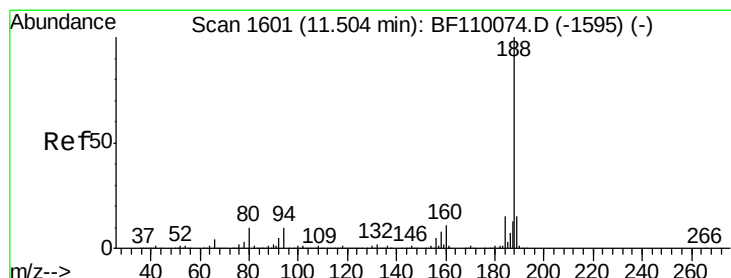
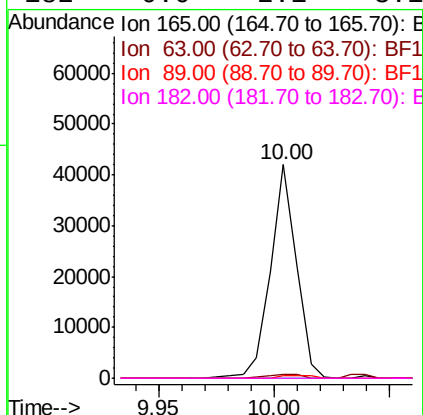
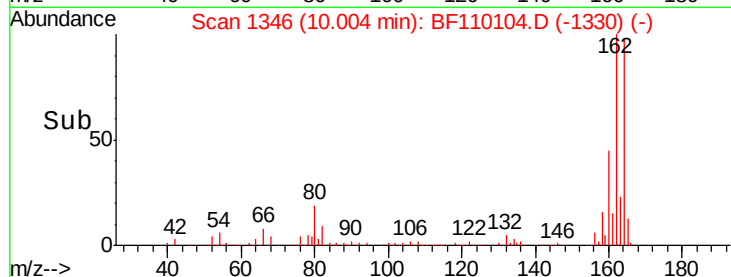
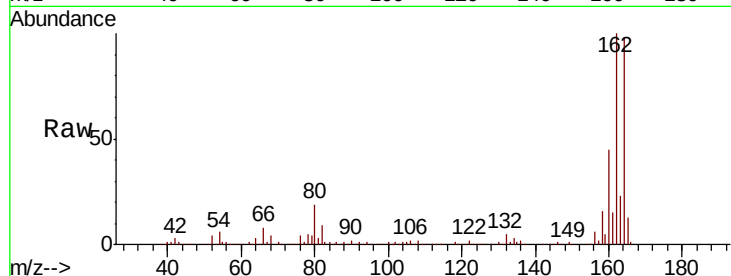




#57
2,4-Dinitrotoluene
Concen: 6.243 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.21 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

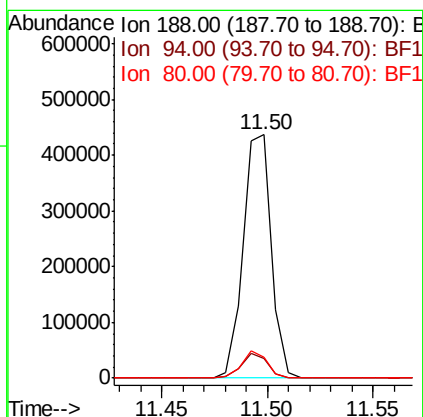
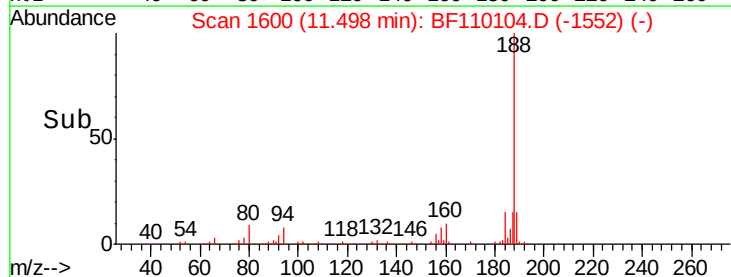
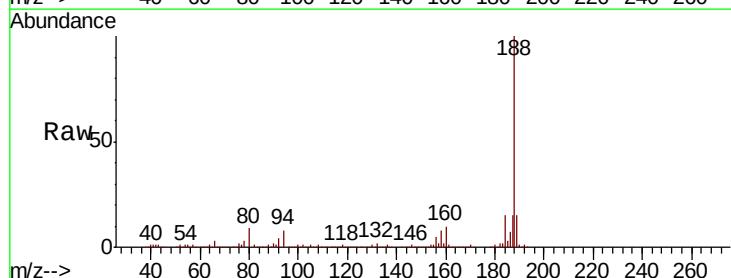
Instrument :
BNA_F
ClientSampleId :

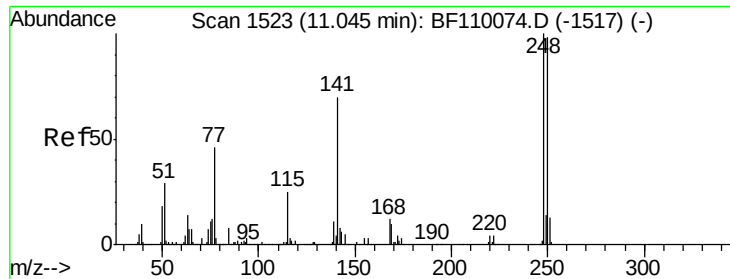
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.6	44.8	67.2#
89	1.5	62.2	93.4#
182	0.0	2.1	3.1#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.2	10.8
80	8.5	7.9	11.9

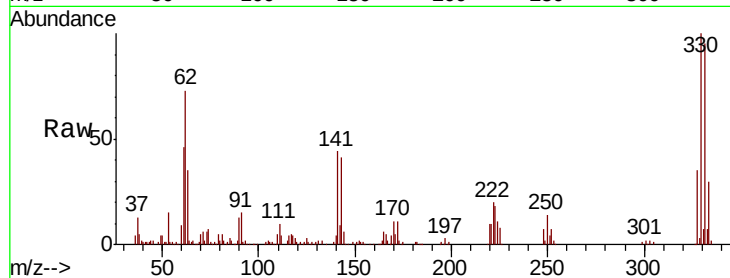




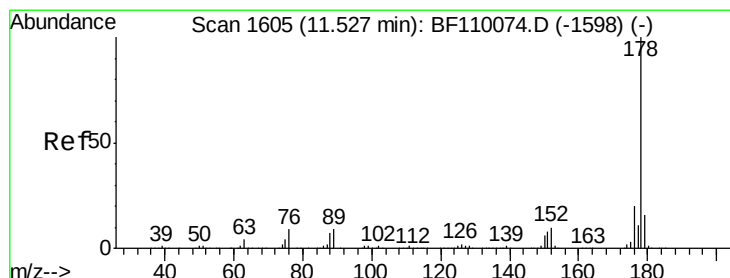
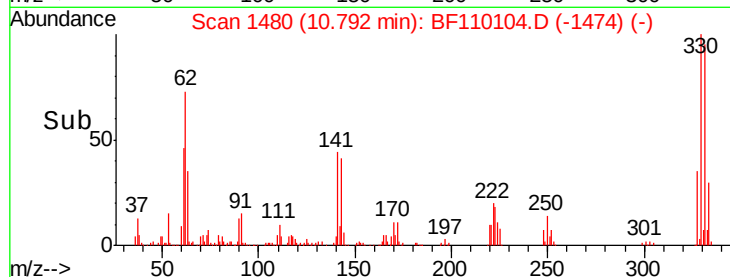
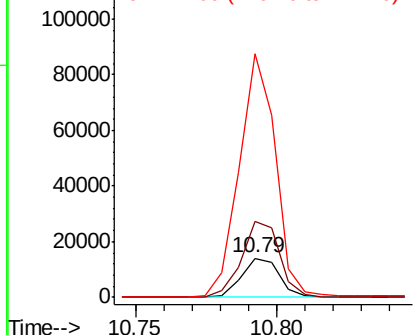
#67
 4-Bromophenyl-phenylether
 Concen: 2.980 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.26 min
 Lab File: BF110104.D
 Acq: 24 Oct 2018 10:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 12982
 Ion Ratio Lower Upper
 248 100
 250 196.3 79.4 119.2#
 141 624.9 55.9 83.9#

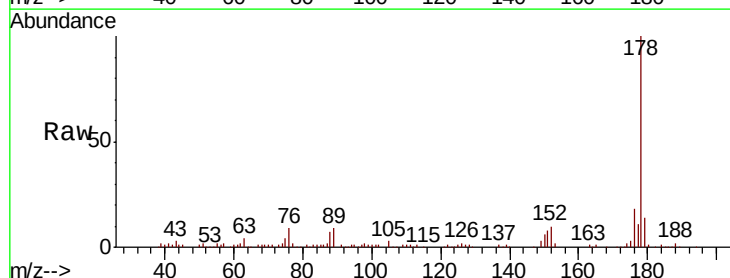


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

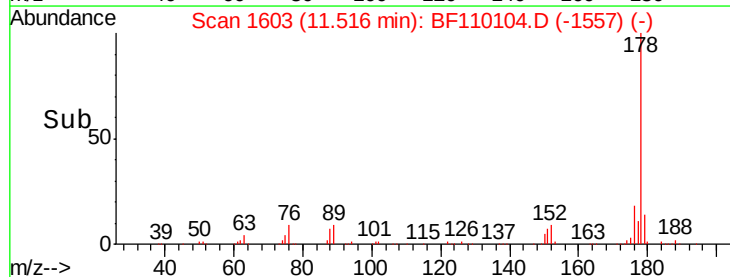
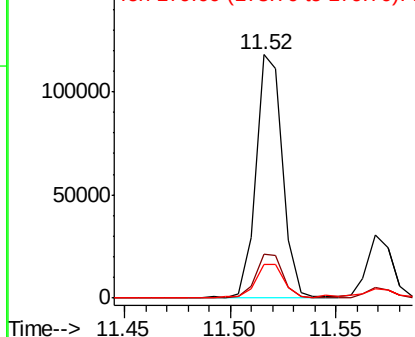


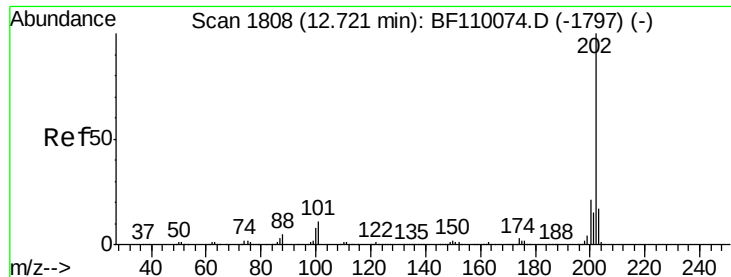
#71
 Phenanthrene
 Concen: 4.960 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.03 min
 Lab File: BF110104.D
 Acq: 24 Oct 2018 10:19

Tgt Ion:178 Resp: 104218
 Ion Ratio Lower Upper
 178 100
 176 17.9 15.5 23.3
 179 14.0 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: 4.917 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF110104.D

Acq: 24 Oct 2018 10:19

Instrument :

BNA_F

ClientSampleId :

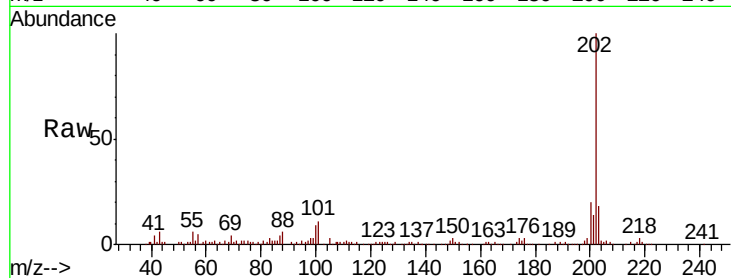
Tot Ion:202 Resp: 104852

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.4

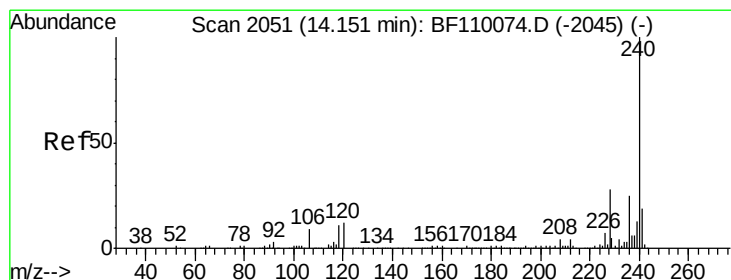
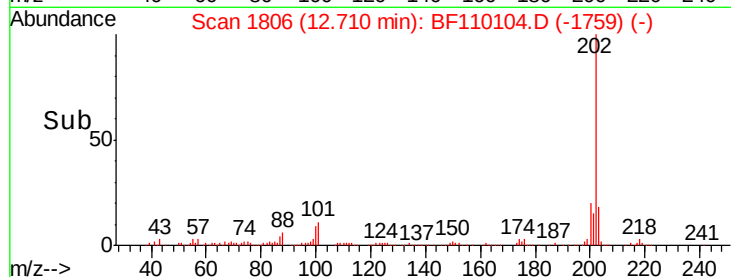
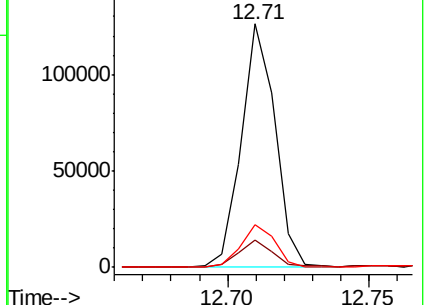
203 17.7 0.0 37.7



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: 14.14 min Scan# 2049

Delta R.T. -0.02 min

Lab File: BF110104.D

Acq: 24 Oct 2018 10:19

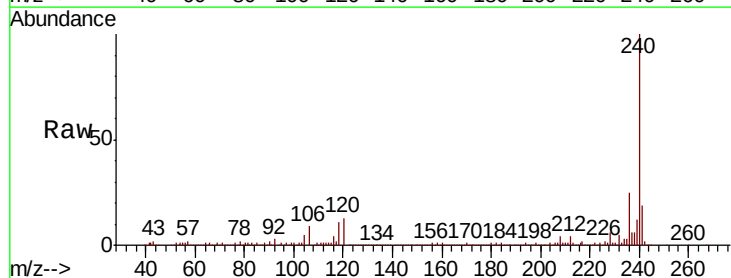
Tgt Ion:240 Resp: 298211

Ion Ratio Lower Upper

240 100

120 13.0 8.3 12.5#

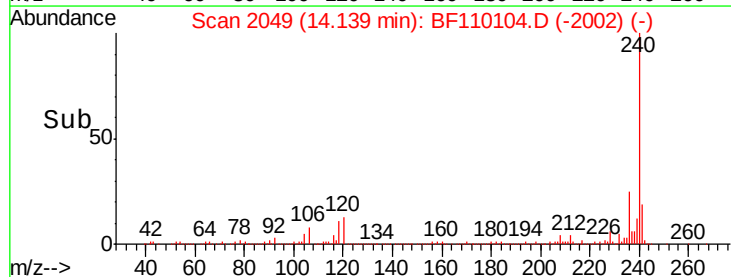
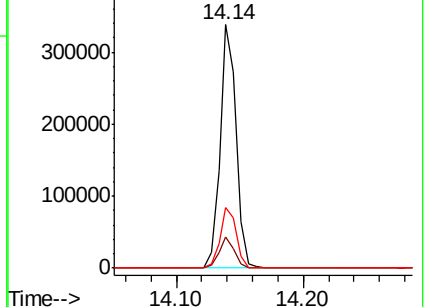
236 25.1 21.2 31.8

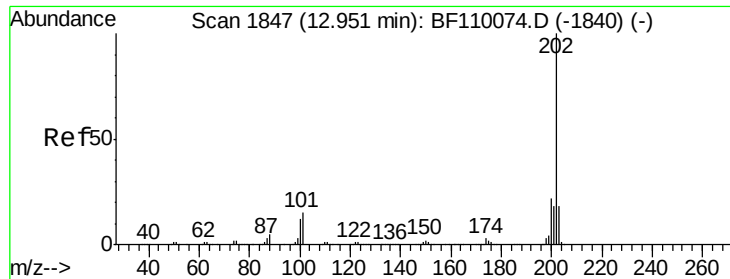


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

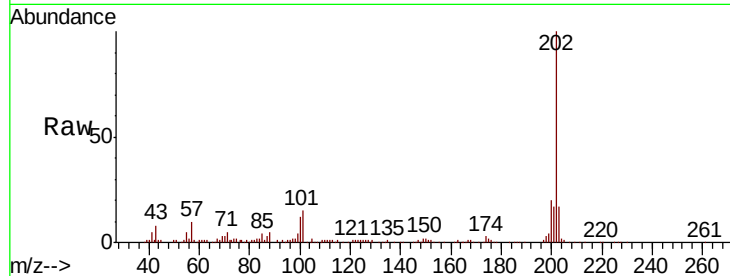




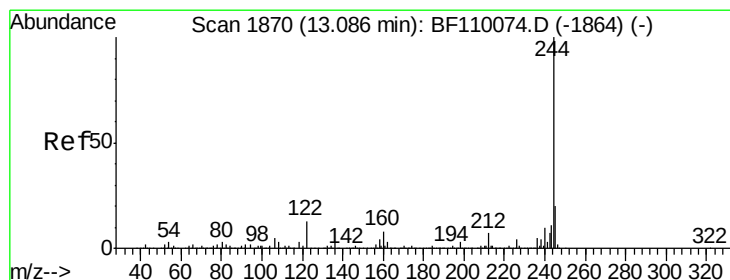
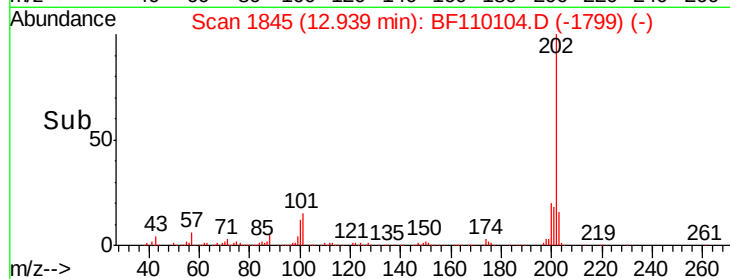
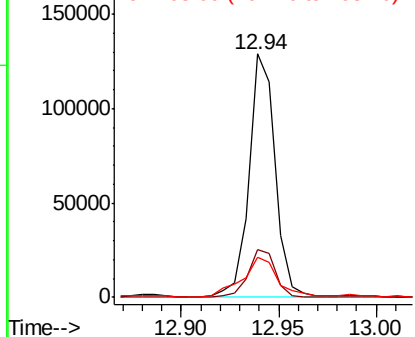
#78
Pvrene
Concen: 5.538 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.03 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.8	26.6
203	16.6	14.2	21.4

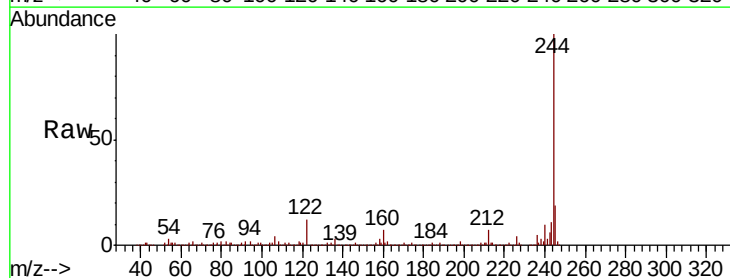


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

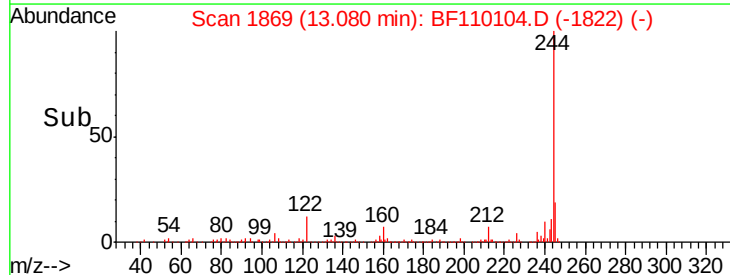
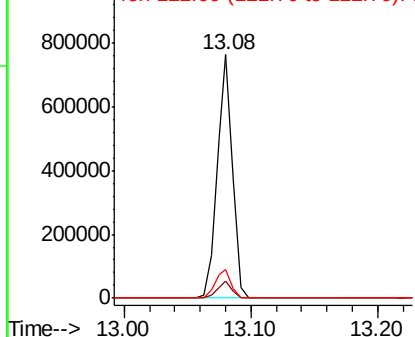


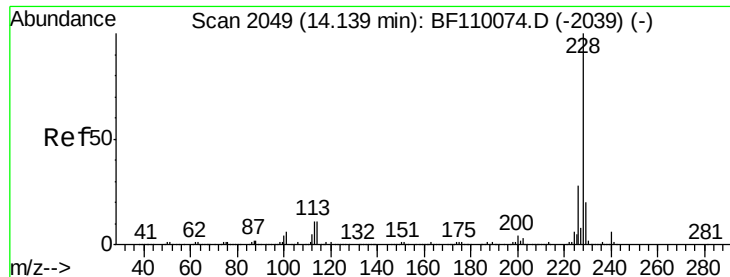
#79
Terphenyl-d14
Concen: 44.908 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.8	8.8
122	12.0	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

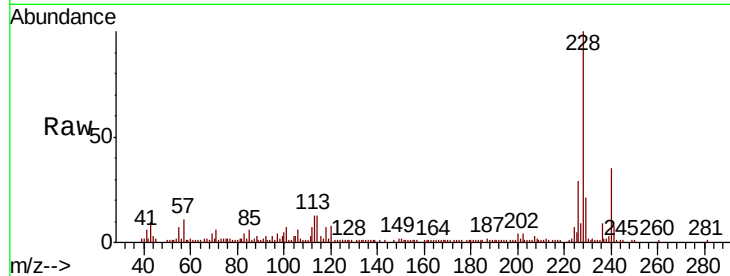




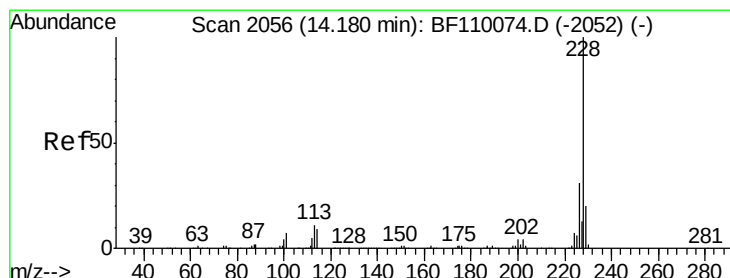
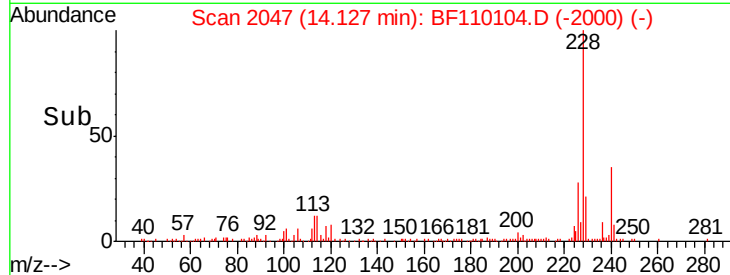
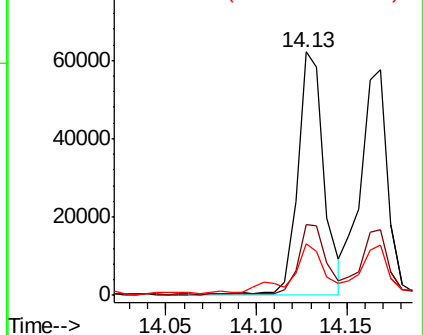
#81
Benzo(a)anthracene
Concen: 3.603 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 63725
Ion Ratio Lower Upper
228 100
226 29.2 22.1 33.1
229 21.2 15.6 23.4

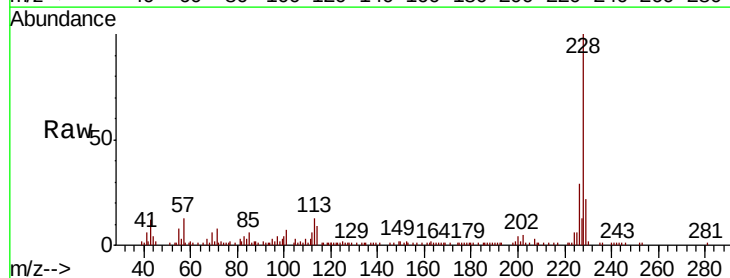


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

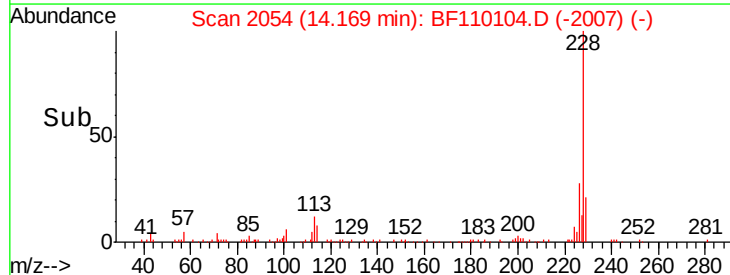
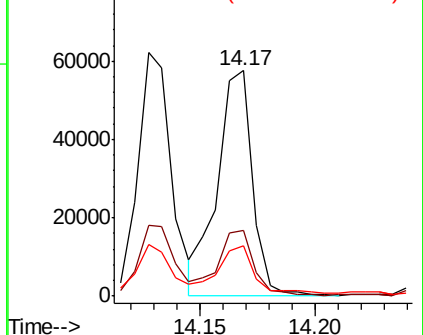


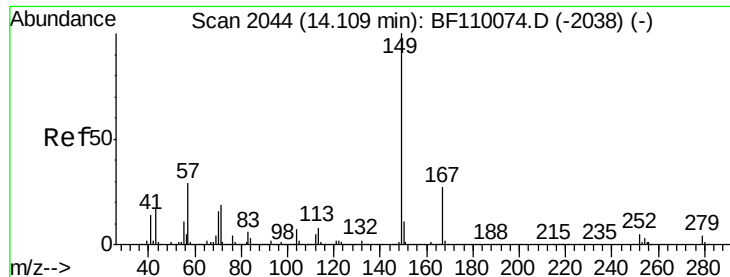
#83
Chrysene
Concen: 3.645 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion:228 Resp: 61229
Ion Ratio Lower Upper
228 100
226 29.0 24.7 37.1
229 22.4 15.9 23.9



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.632 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.02 min

Lab File: BF110104.D

Acq: 24 Oct 2018 10:19

Instrument :

BNA_F

ClientSampleId :

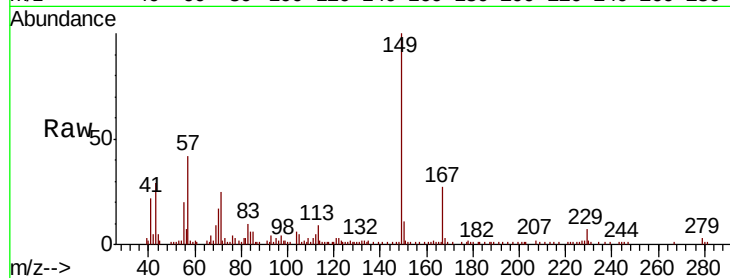
Tot Ion:149 Resp: 45560

Ion Ratio Lower Upper

149 100

167 27.0 19.8 29.8

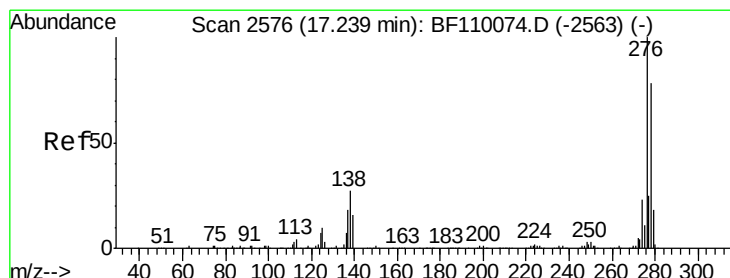
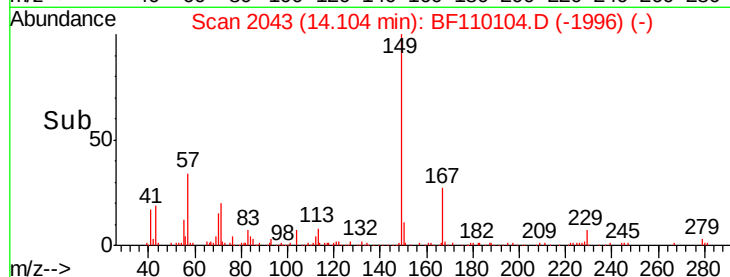
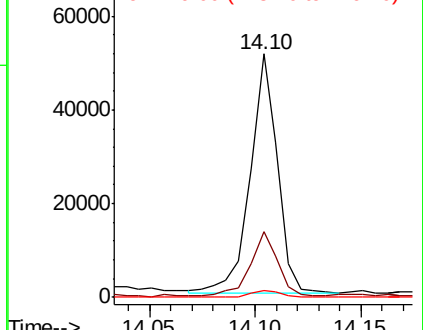
279 2.9 2.7 4.1



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

Indeno(1,2,3-cd)pyrene

Concen: 2.544 ng

RT: 17.21 min Scan# 2571

Delta R.T. -0.05 min

Lab File: BF110104.D

Acq: 24 Oct 2018 10:19

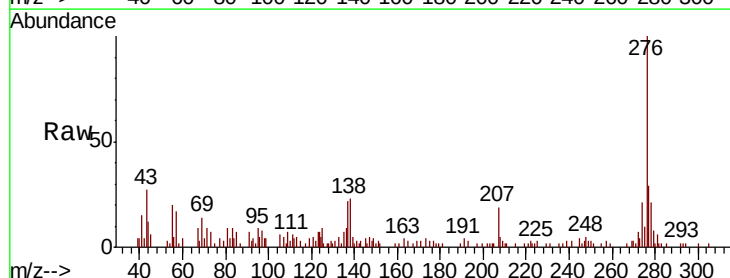
Tgt Ion:276 Resp: 35456

Ion Ratio Lower Upper

276 100

138 28.0 18.5 27.7#

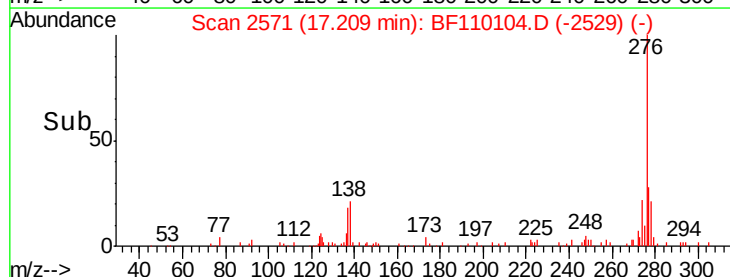
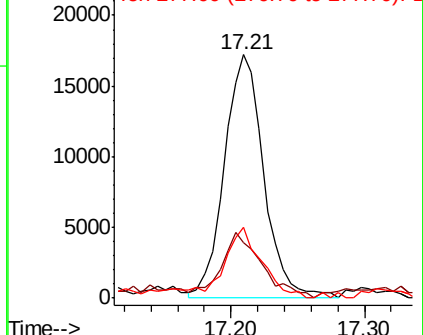
277 27.5 20.0 30.0

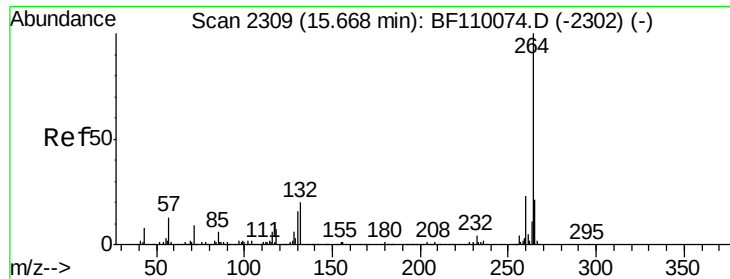


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

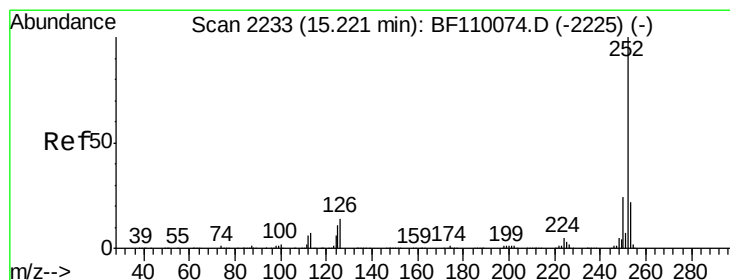
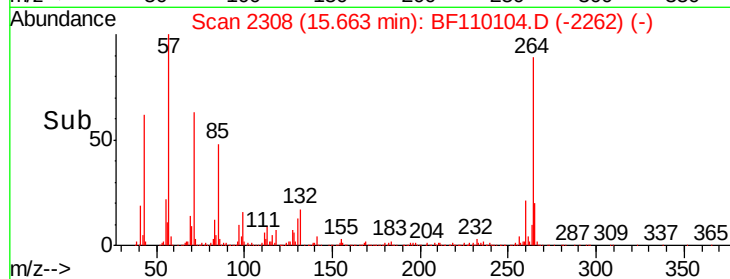
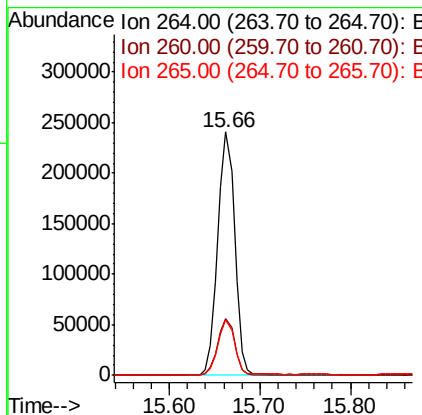
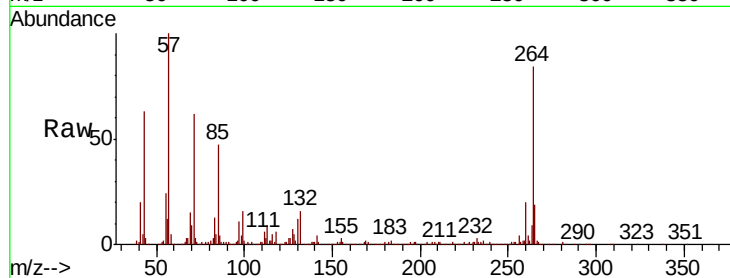




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. -0.03 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

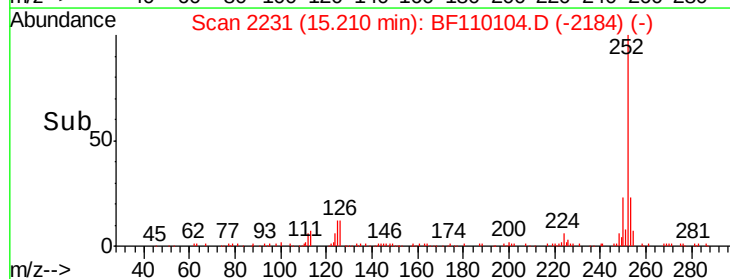
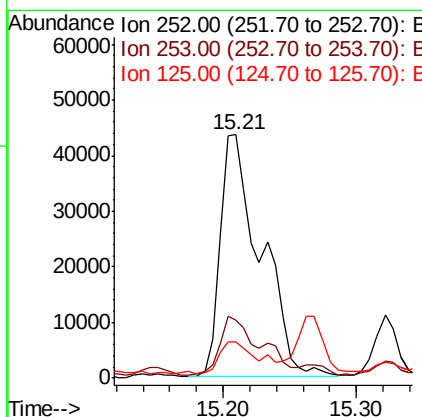
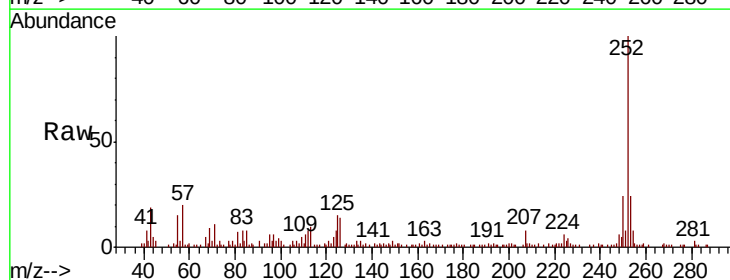
Instrument :
BNA_F
ClientSampleId :

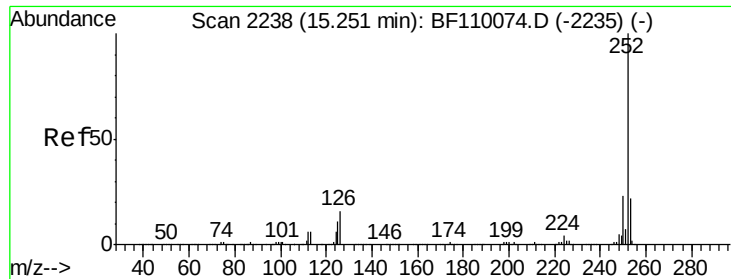
Tot Ion:264 Resp: 314831
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 22.6 16.7 25.1



#88
Benzo(b)fluoranthene
Concen: 5.087 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion:252 Resp: 92486
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 14.7 8.2 12.4#

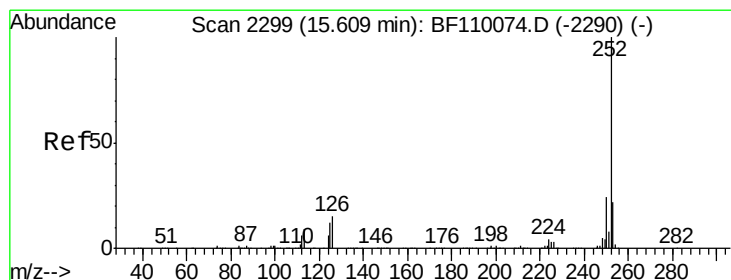
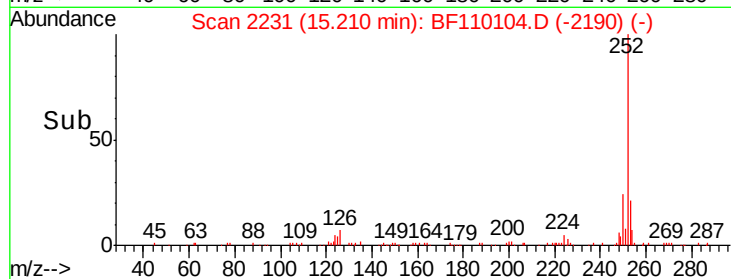
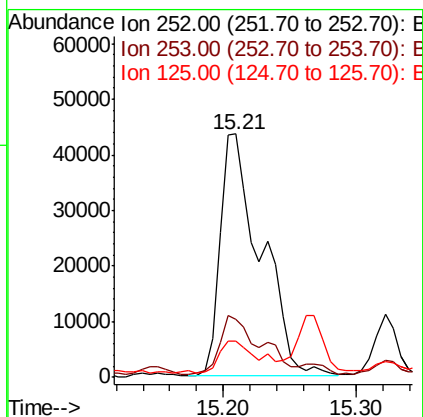
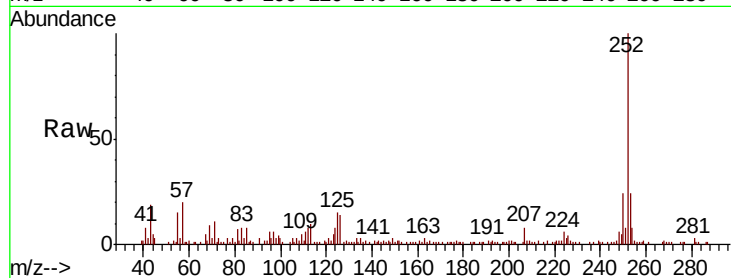




#89
Benzo(k)fluoranthene
Concen: 5.176 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.06 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

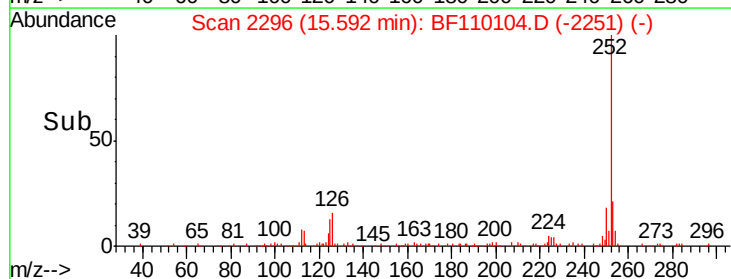
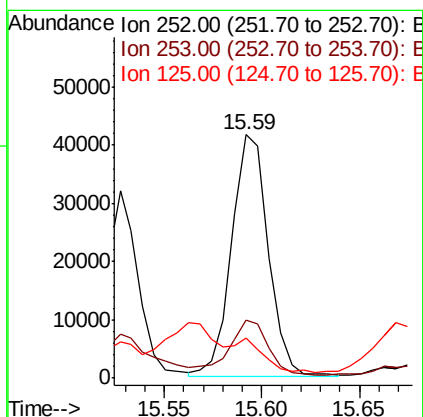
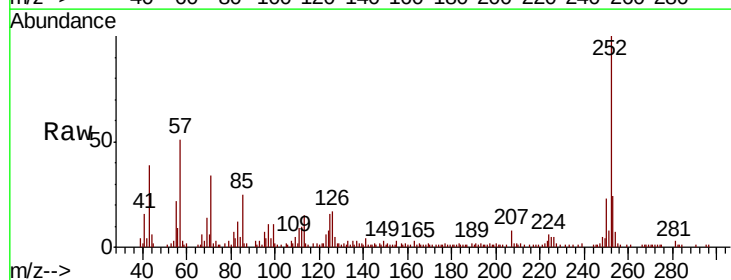
Instrument :
BNA_F
ClientSampled :

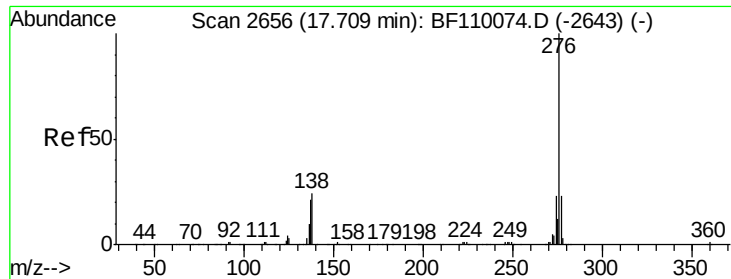
Tot Ion:252 Resp: 92513
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 14.7 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.213 ng
RT: 15.59 min Scan# 2296
Delta R.T. -0.04 min
Lab File: BF110104.D
Acq: 24 Oct 2018 10:19

Tgt Ion:252 Resp: 53752
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.4
125 16.5 9.0 13.6#





#92
 Benzo(a,h,i)perylene
 Concen: 2.400 ng
 RT: 17.68 min Scan# 2651
 Delta R.T. -0.06 min
 Lab File: BF110104.D
 Acq: 24 Oct 2018 10:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.9	18.8	28.2#
138	26.5	16.0	24.0#

