

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\
 Data File : BF110107.D
 Acq On : 24 Oct 2018 11:41
 Operator : JU/SJ
 Sample : J5610-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 25 02:09:26 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	197546	20.00	ng	-0.02
21) Naphthalene-d8	8.25	136	758288	20.00	ng	-0.02
39) Acenaphthene-d10	10.00	164	330000	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	509221	20.00	ng	-0.02
76) Chrysene-d12	14.14	240	352766	20.00	ng	-0.02
87) Perylene-d12	15.67	264	296556	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1027359	84.69	ng	-0.01
7) Phenol-d6	6.59	99	1376648	88.72	ng	-0.02
23) Nitrobenzene-d5	7.53	82	857472	67.07	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	187501	57.36	ng	-0.02
45) 2-Fluorobiphenyl	9.32	172	1450904	69.04	ng	-0.02
79) Terphenyl-d14	13.08	244	1002211	59.08	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1092	Below Cal		# 8
10) Phenol	6.60	94	139769	8.427	ng	# 61
19) n-Nitroso-di-n-propylamine	7.53	70	115853	11.638	ng	# 79
25) Isophorone	7.53	82	857472	39.347	ng	# 67
50) Dimethylphthalate	9.71	163	263248	10.807	ng	99
57) 2,4-Dinitrotoluene	10.00	165	43972	6.598	ng	# 19
67) 4-Bromophenyl-phenylether	10.80	248	12165	2.202	ng	# 1
71) Phenanthrene	11.52	178	191333	7.181	ng	98
72) Anthracene	11.57	178	66718	2.498	ng	99
75) Fluoranthene	12.71	202	350659	12.967	ng	99
78) Pyrene	12.94	202	329116	13.014	ng	98
81) Benzo(a)anthracene	14.13	228	182427	8.720	ng	96
83) Chrysene	14.17	228	148518	7.475	ng	98
84) Bis(2-ethylhexyl)phthalate	14.11	149	463878	31.261	ng	# 94
86) Indeno(1,2,3-cd)pyrene	17.22	276	71668	4.348	ng	97
88) Benzo(b)fluoranthene	15.22	252	260615	15.218	ng	# 94
89) Benzo(k)fluoranthene	15.22	252	260615	15.480	ng	# 93
90) Benzo(a)pyrene	15.60	252	128461	8.152	ng	# 95
92) Benzo(a,h,i)perylene	17.70	276	69103	5.158	ng	97

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

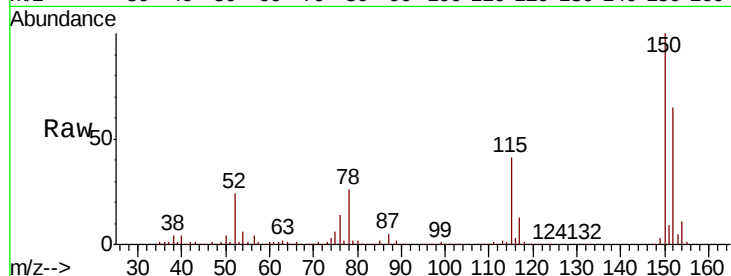


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 829
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.7	184.1
115	63.0	49.1	73.7

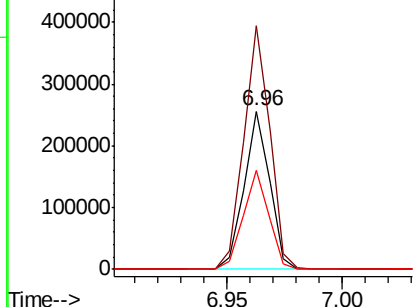
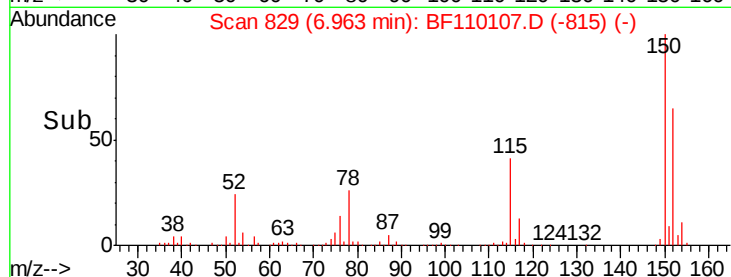


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

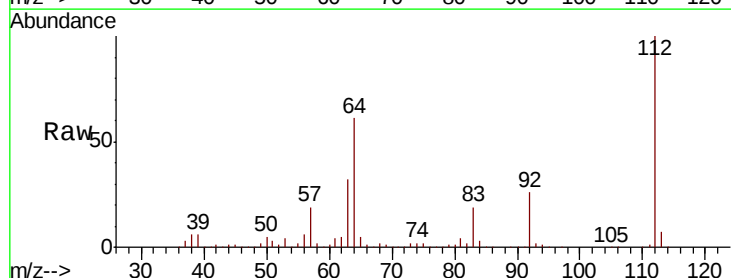
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 84.689 ng
RT: 5.59 min Scan# 595
Delta R.T. -0.01 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	44.1	66.1
63	32.2	23.7	35.5

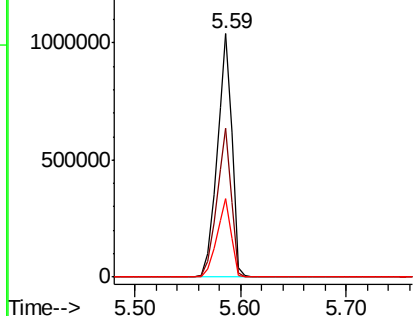
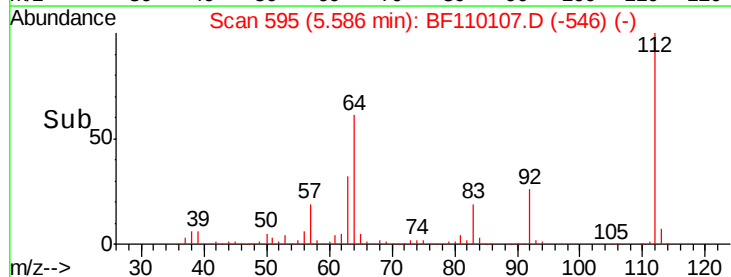


Abundance

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: 88.722 ng

RT: 6.59 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF110107.D

Acq: 24 Oct 2018 11:41

Instrument :

BNA_F

ClientSampleId :

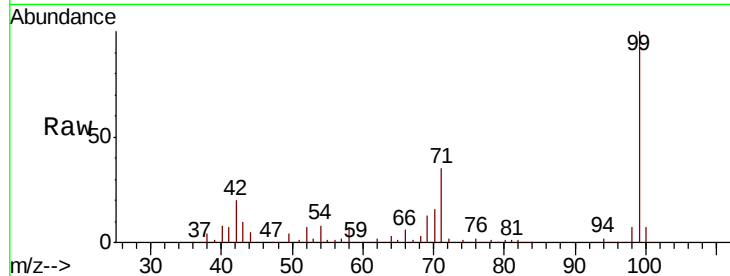
Tot Ion: 99 Resp: 1376648

Ion Ratio Lower Upper

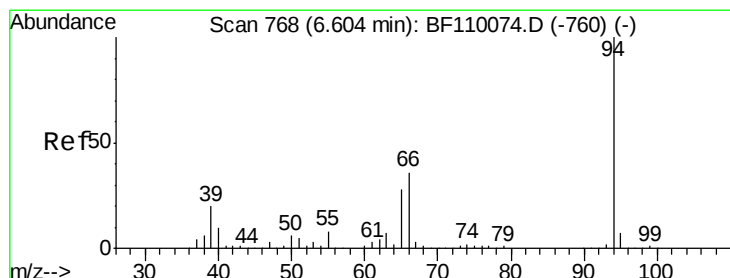
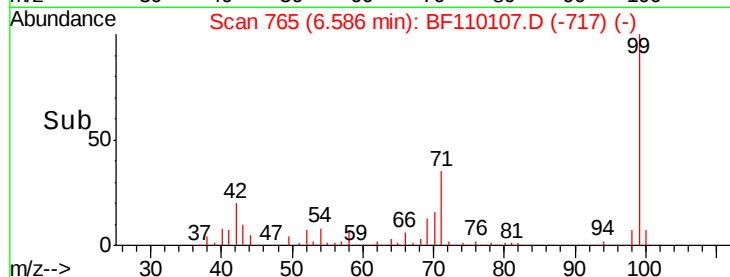
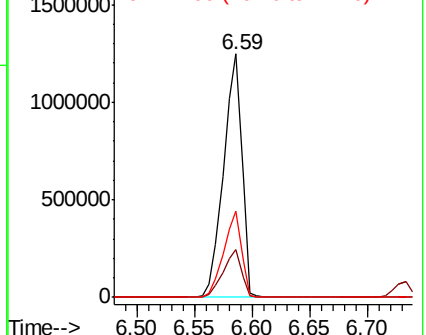
99 100

42 19.8 15.8 23.6

71 35.3 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: 8.427 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.02 min

Lab File: BF110107.D

Acq: 24 Oct 2018 11:41

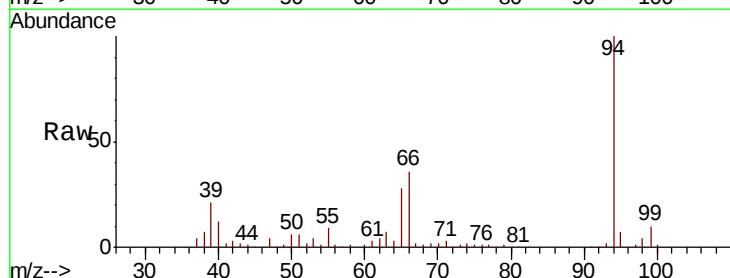
Tgt Ion: 94 Resp: 139769

Ion Ratio Lower Upper

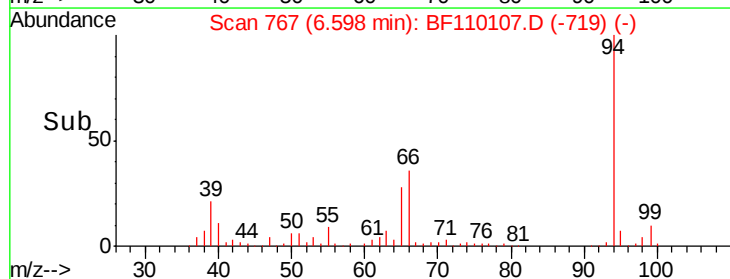
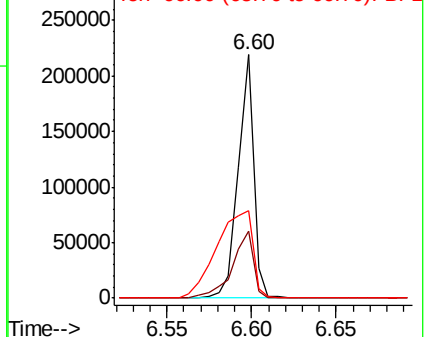
94 100

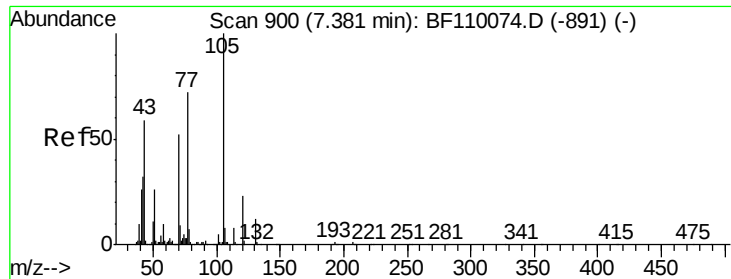
65 27.7 25.3 65.3

66 35.8 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

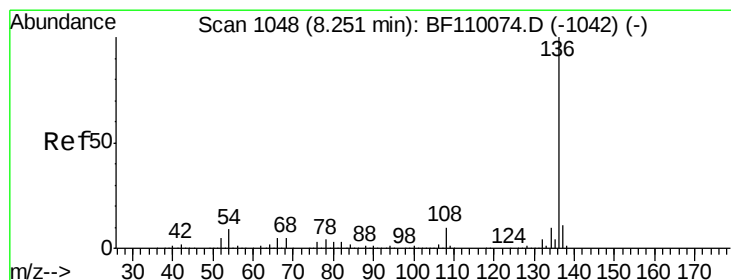
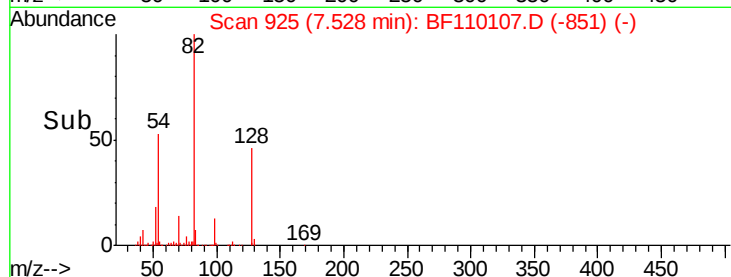
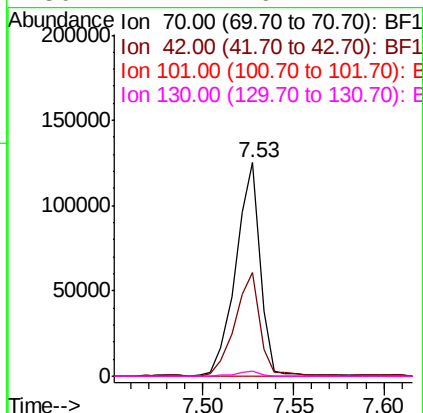
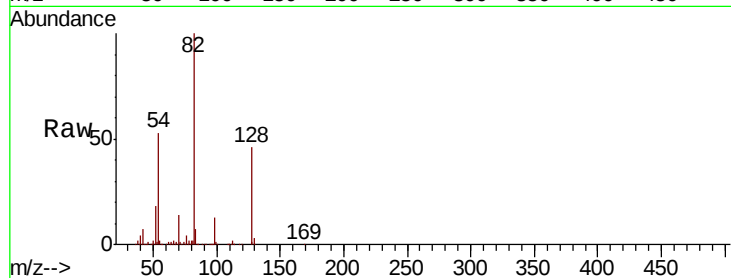




#19
n-Nitroso-di-n-propylamine
Concen: 11.638 ng
RT: 7.53 min Scan# 925
Delta R.T. 0.13 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

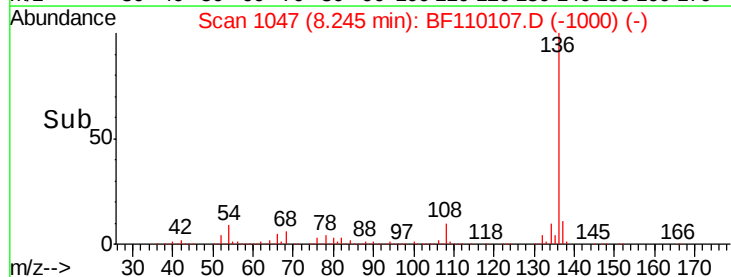
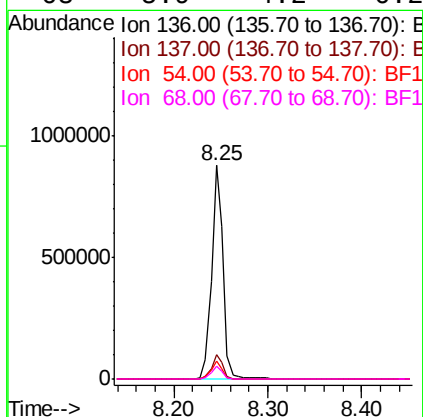
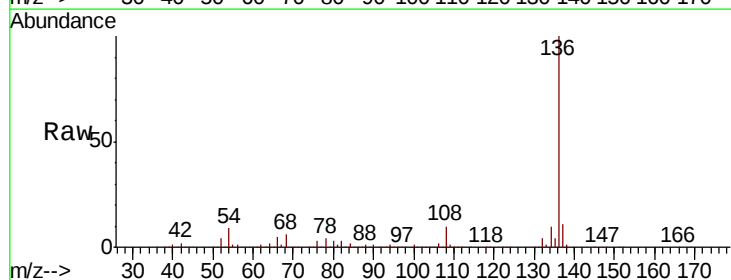
Instrument :
BNA_F
ClientSampleId :

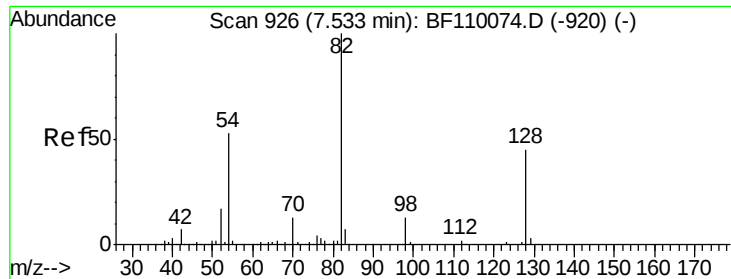
Tot Ion: 70 Resp: 115853
Ion Ratio Lower Upper
70 100
42 48.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.4 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion: 136 Resp: 758288
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.6 5.4 8.2#
68 5.9 4.2 6.2

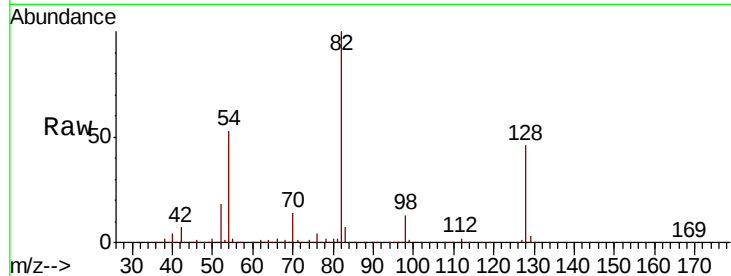




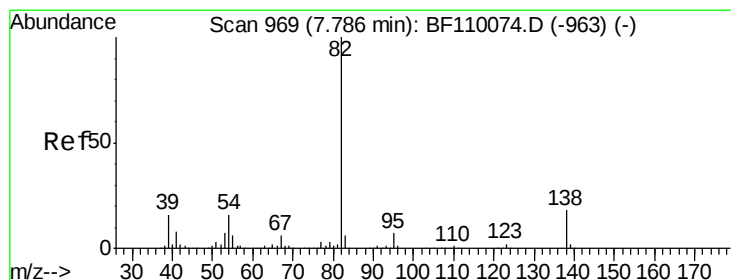
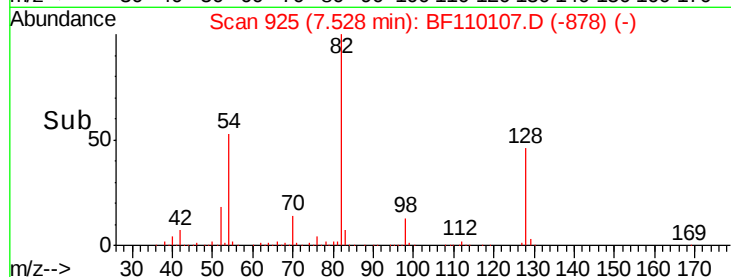
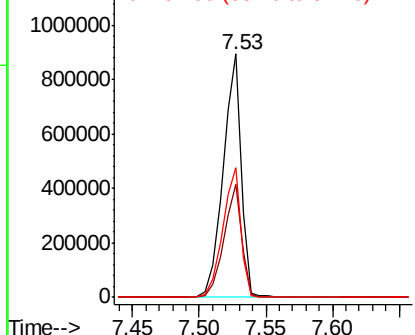
#23
Nitrobenzene-d5
Concen: 67.071 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	82	Resp	857472
Ion Ratio	Lower	Upper	
82	100		
128	46.4	34.2	51.2
54	53.2	38.6	58.0

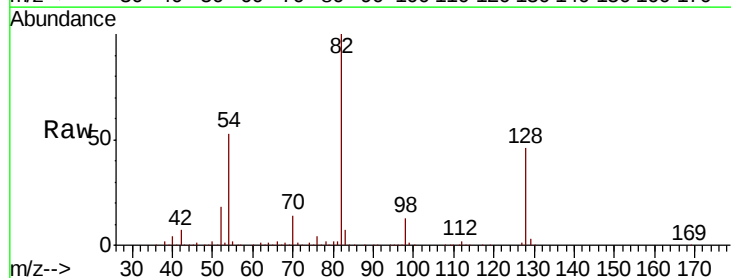


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

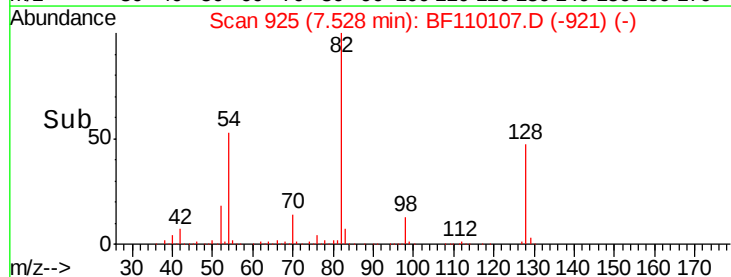
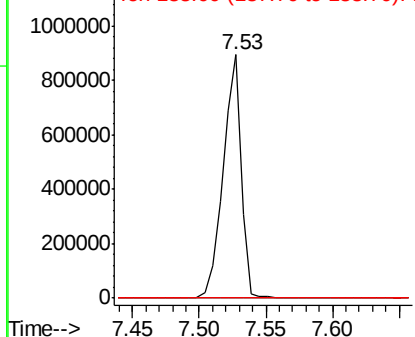


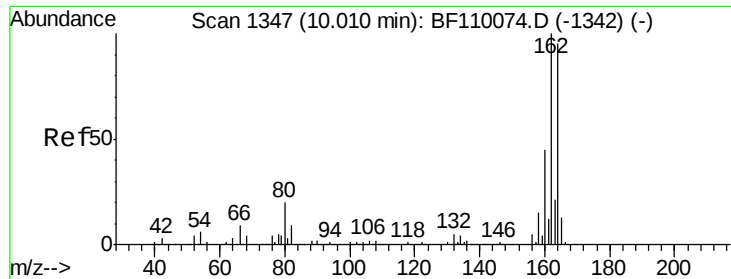
#25
Isophorone
Concen: 39.347 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.28 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion	82	Resp	857472
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

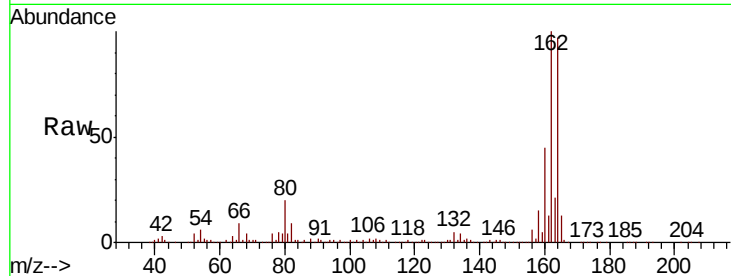




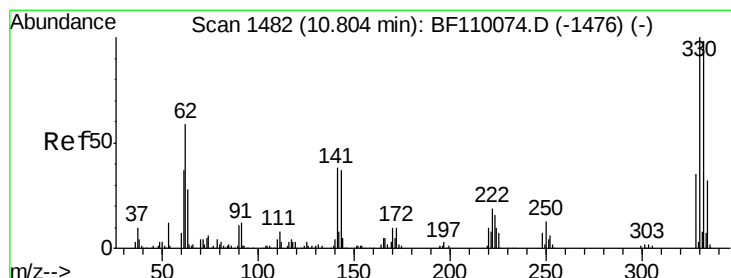
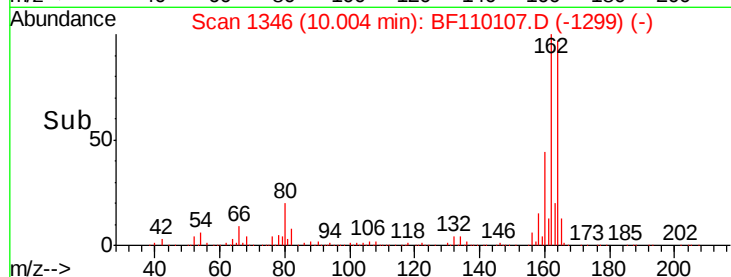
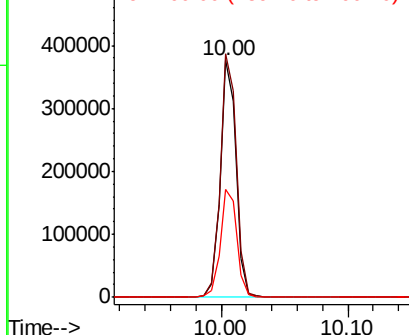
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 330000
Ion Ratio Lower Upper
164 100
162 102.9 83.0 124.6
160 45.8 37.0 55.6

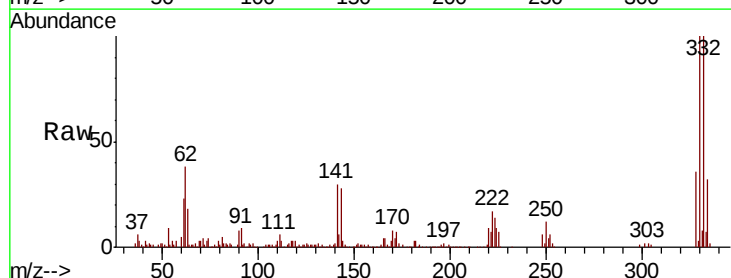


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

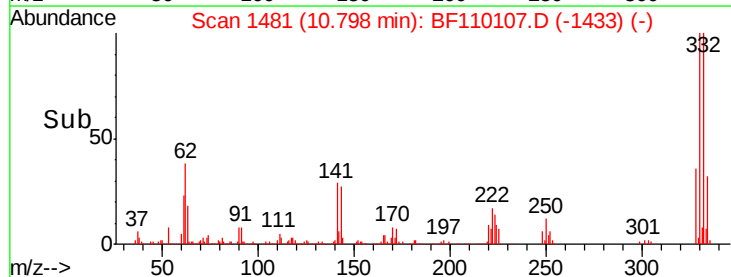
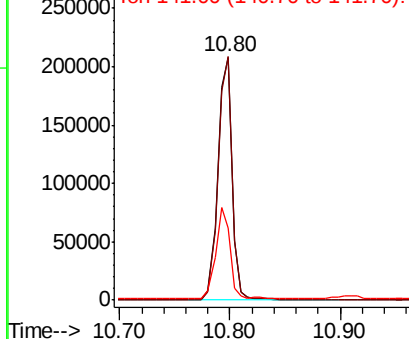


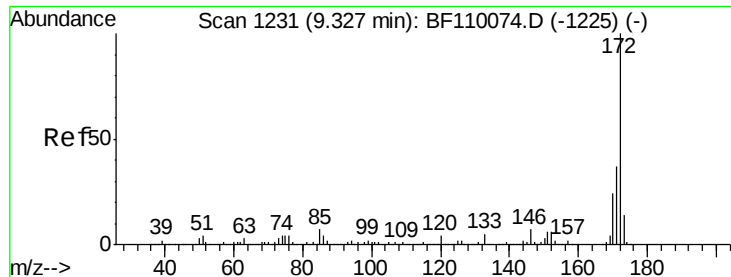
#42
2,4,6-Tribromophenol
Concen: 57.360 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion:330 Resp: 187501
Ion Ratio Lower Upper
330 100
332 98.9 77.1 115.7
141 38.3 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

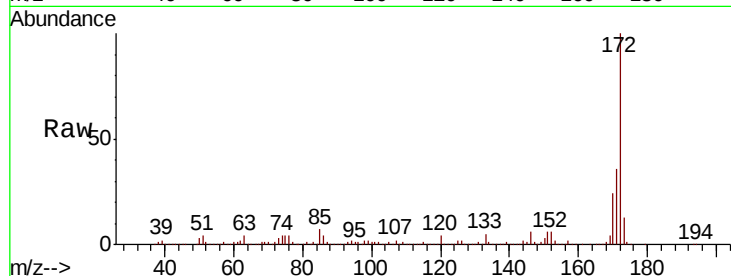




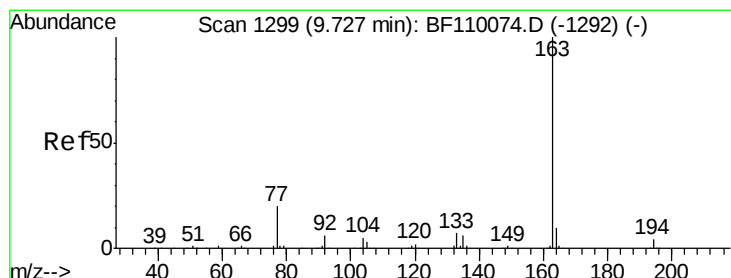
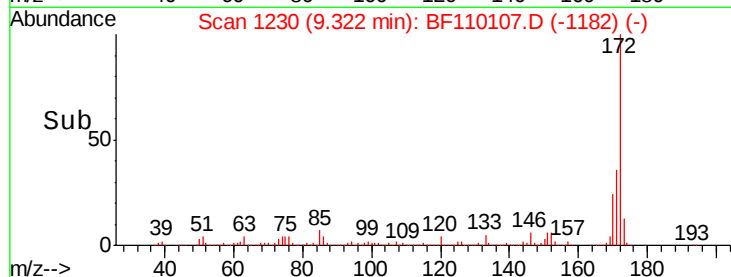
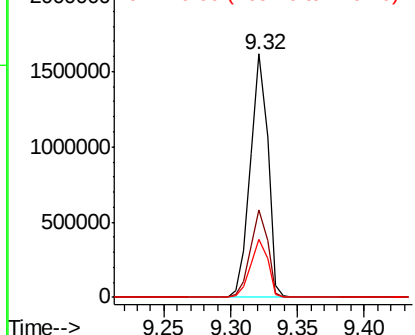
#45
2-Fluorobiphenyl
Concen: 69.039 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1450904
Ion Ratio Lower Upper
172 100
171 36.1 28.6 43.0
170 24.0 19.7 29.5

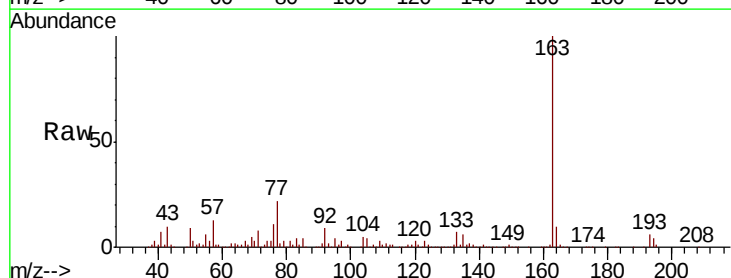


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

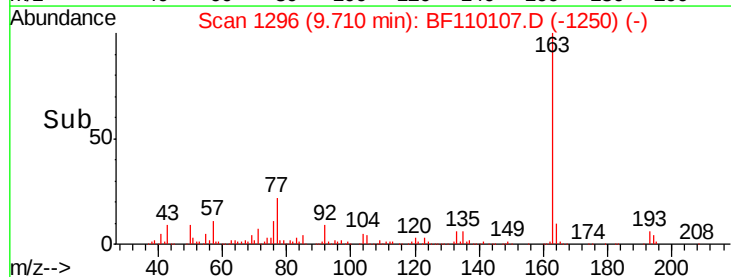
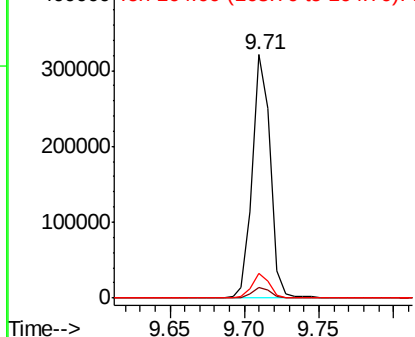


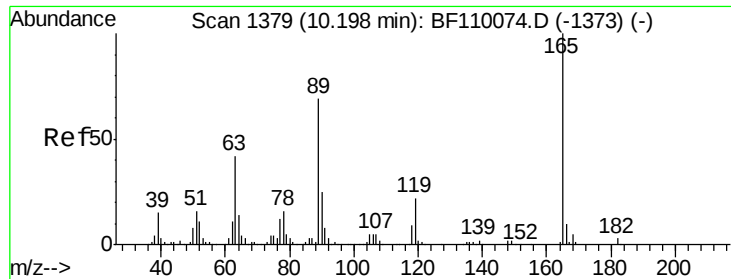
#50
Dimethylphthalate
Concen: 10.807 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.03 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion:163 Resp: 263248
Ion Ratio Lower Upper
163 100
194 4.4 3.2 4.8
164 10.3 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

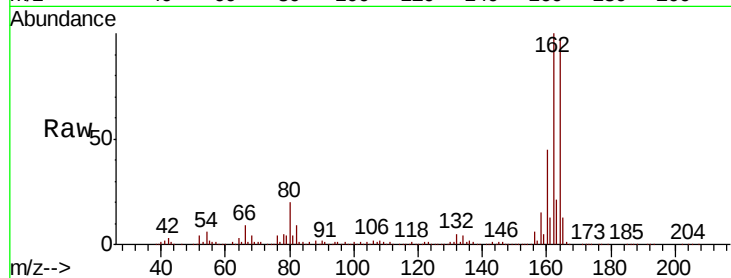




#57
 2,4-Dinitrotoluene
 Concen: 6.598 ng
 RT: 10.00 min Scan# 1346
 Delta R.T. -0.21 min
 Lab File: BF110107.D
 Acq: 24 Oct 2018 11:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.8	67.2#
89	1.3	62.2	93.4#
182	0.0	2.1	3.1#



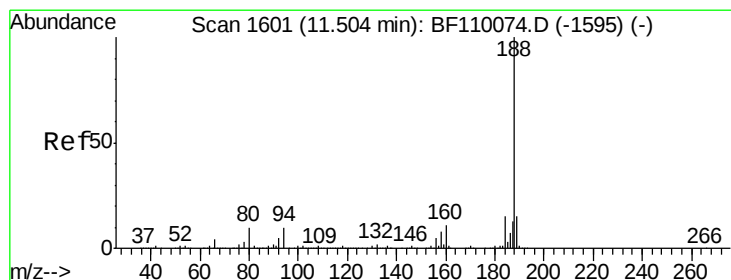
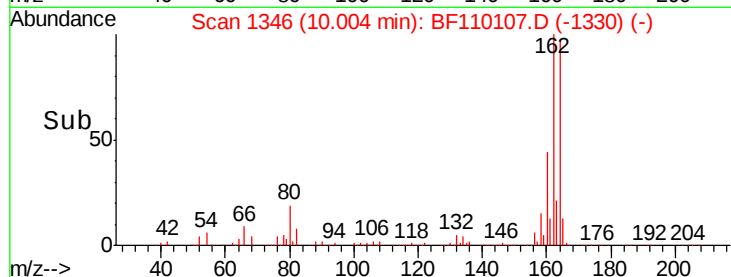
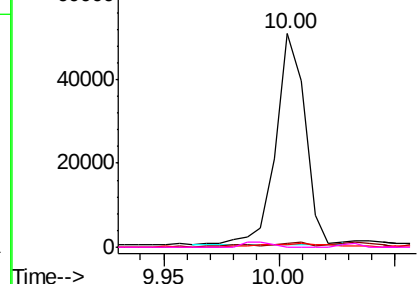
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

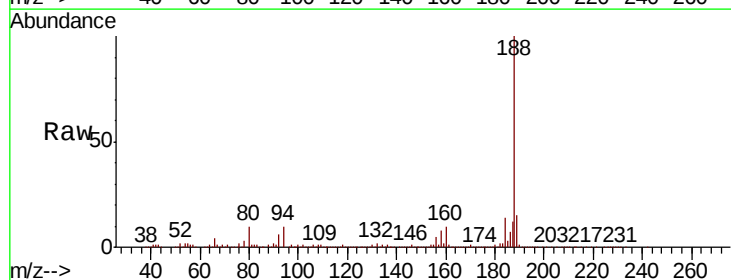
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.02 min
 Lab File: BF110107.D
 Acq: 24 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.2	10.8
80	9.6	7.9	11.9

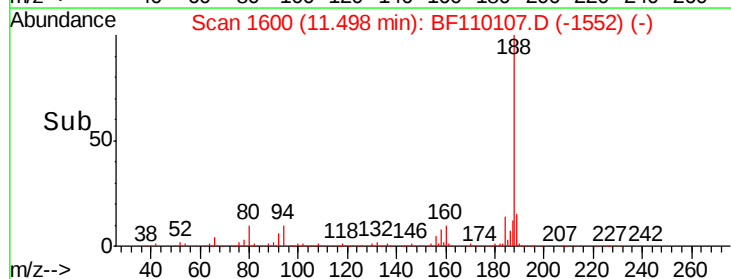
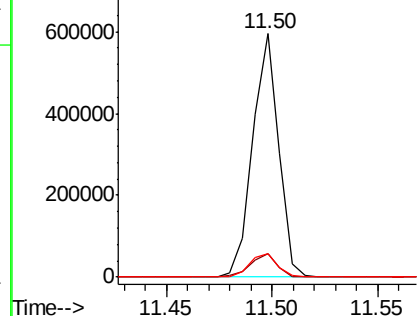


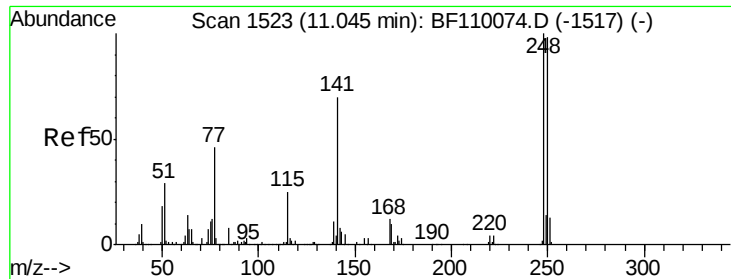
Abundance

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

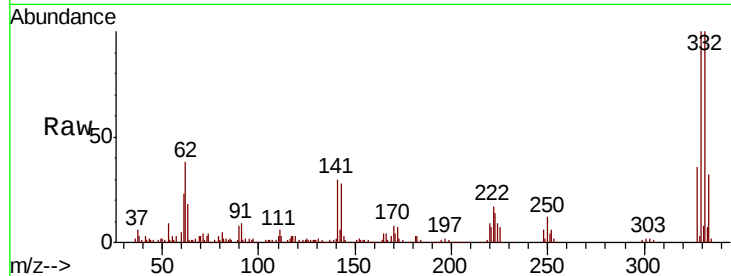




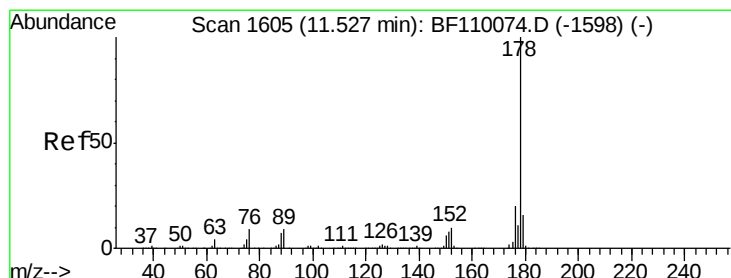
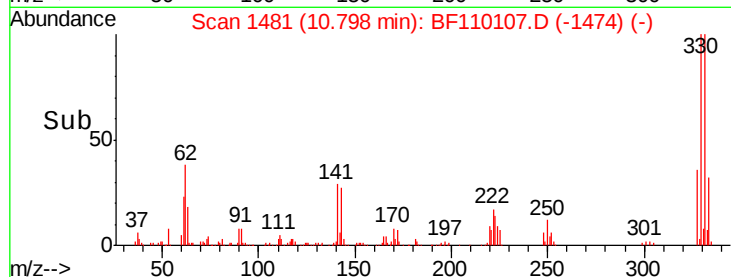
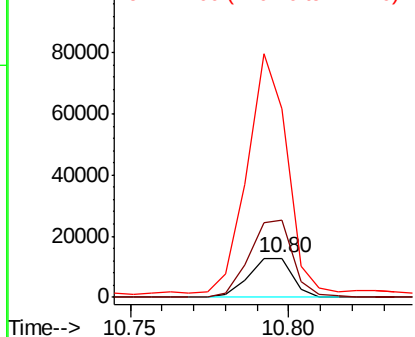
#67
 4-Bromophenyl-phenylether
 Concen: 2.202 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.26 min
 Lab File: BF110107.D
 Acq: 24 Oct 2018 11:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 12165
 Ion Ratio Lower Upper
 248 100
 250 195.9 79.4 119.2#
 141 482.0 55.9 83.9#

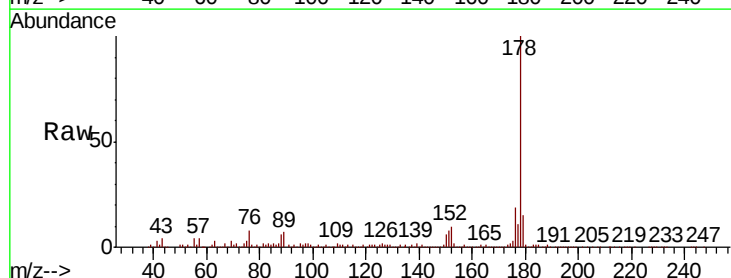


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

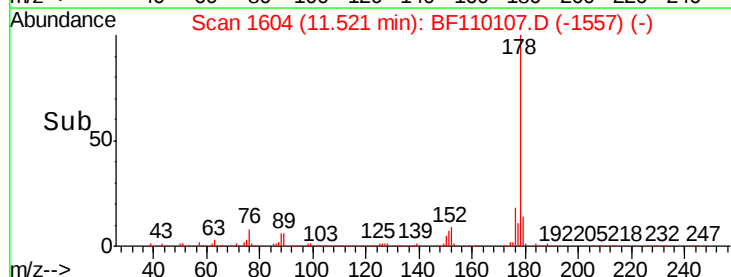
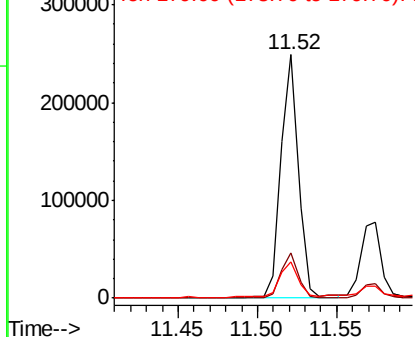


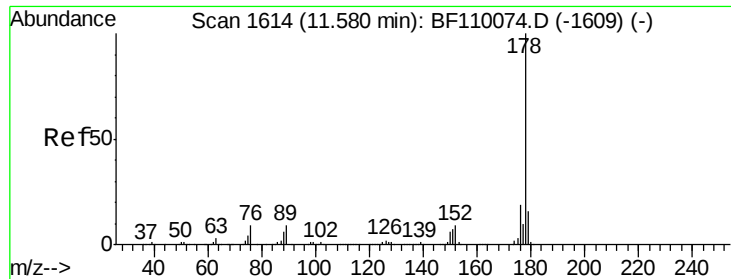
#71
 Phenanthrene
 Concen: 7.181 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.02 min
 Lab File: BF110107.D
 Acq: 24 Oct 2018 11:41

Tgt Ion:178 Resp: 191333
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.5 23.3
 179 14.8 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





#72

Anthracene

Concen: 2.498 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.02 min

Lab File: BF110107.D

Acq: 24 Oct 2018 11:41

Instrument :

BNA_F

ClientSampleId :

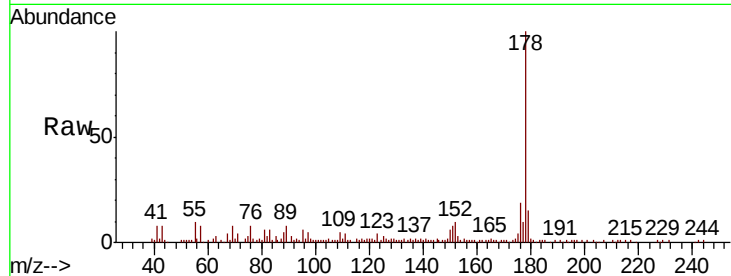
Tot Ion:178 Resp: 66718

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

179 15.5 12.6 18.8

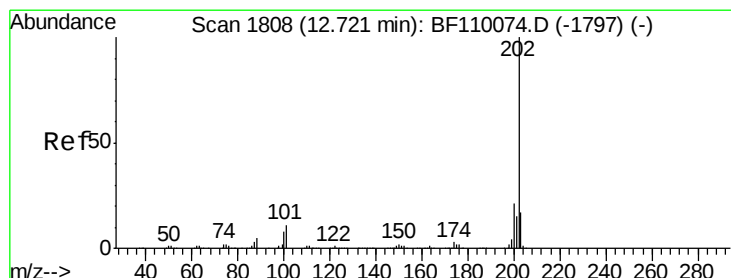
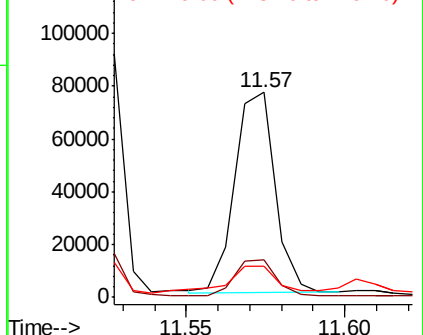
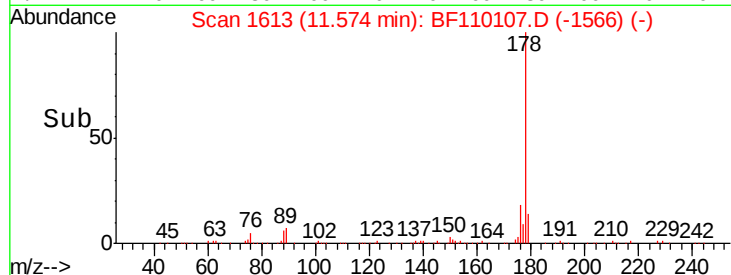


Abundance

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: 12.967 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.02 min

Lab File: BF110107.D

Acq: 24 Oct 2018 11:41

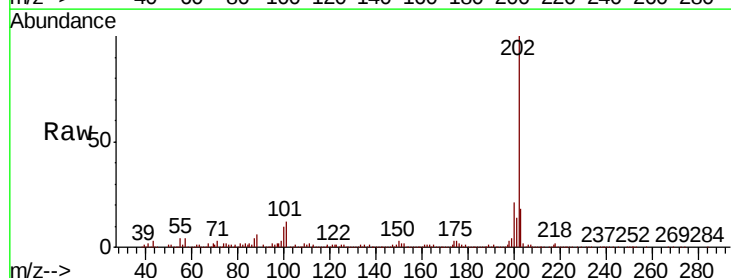
Tgt Ion:202 Resp: 350659

Ion Ratio Lower Upper

202 100

101 12.2 0.0 31.4

203 17.6 0.0 37.7

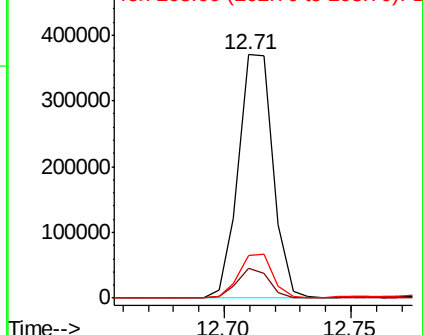
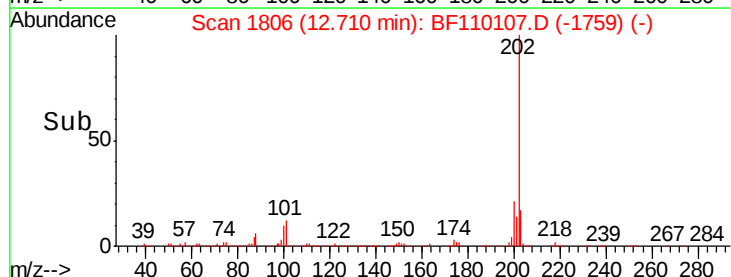


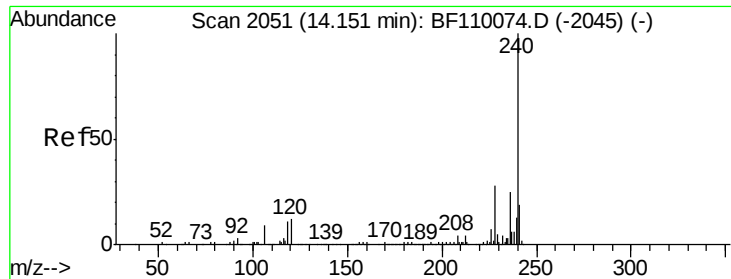
Abundance

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

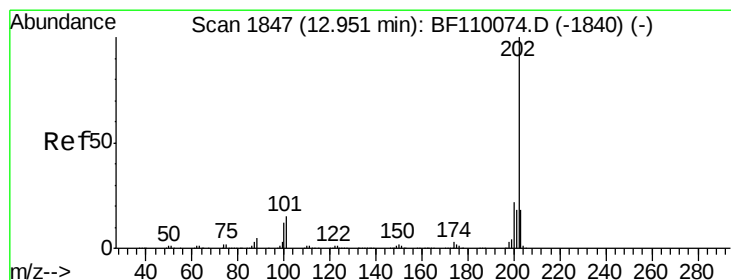
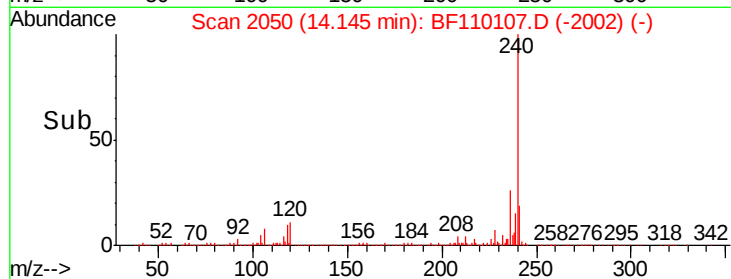
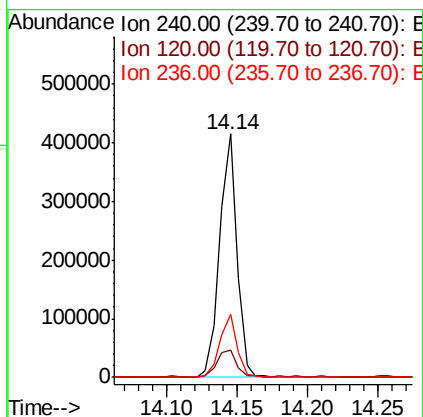
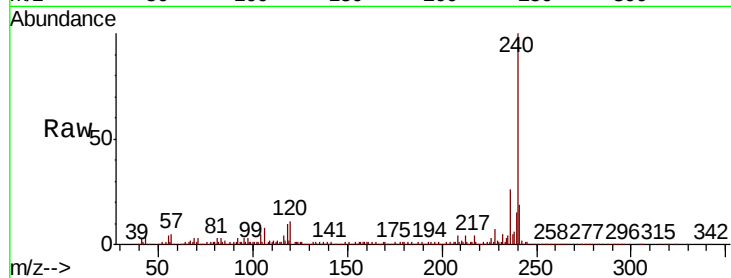




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

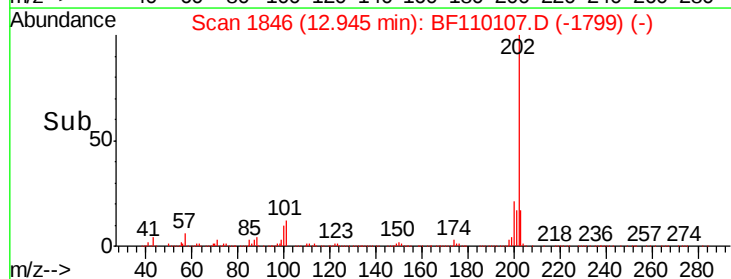
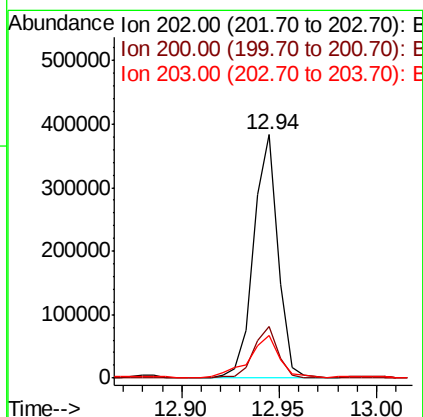
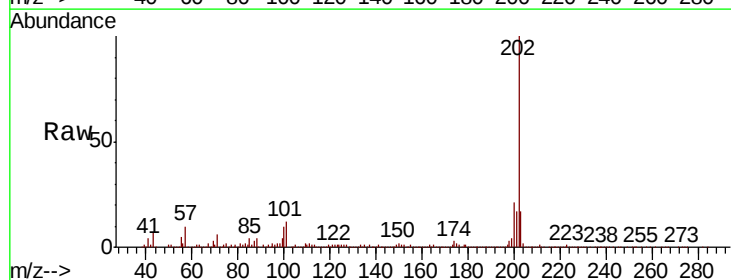
Instrument :
BNA_F
ClientSampleId :

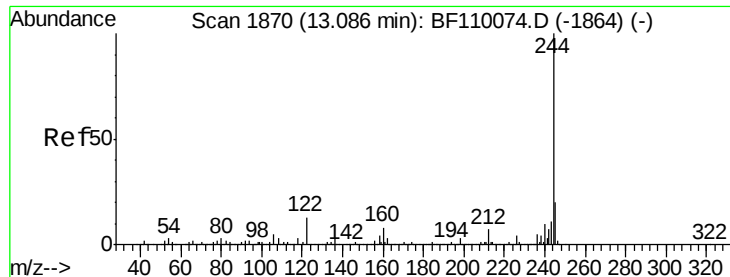
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.4	8.3	12.5
236	26.1	21.2	31.8



#78
Pyrene
Concen: 13.014 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.8	26.6
203	17.4	14.2	21.4

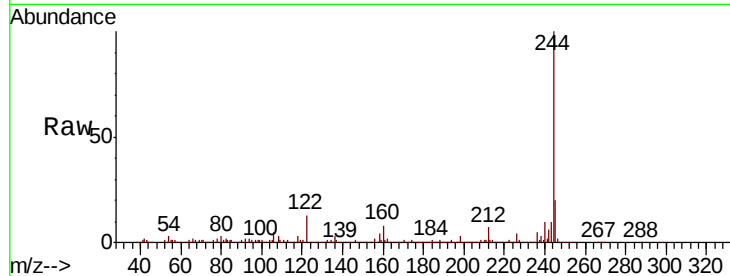




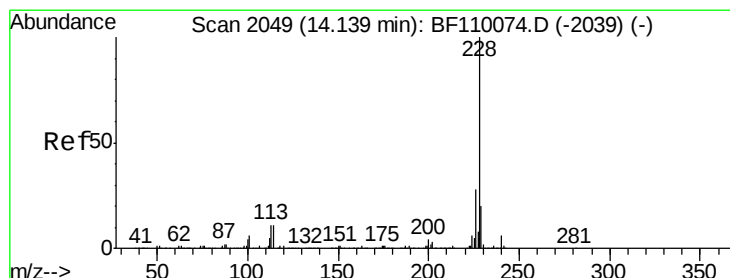
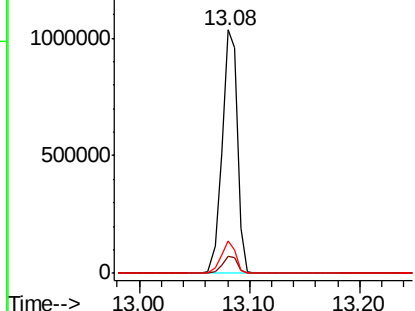
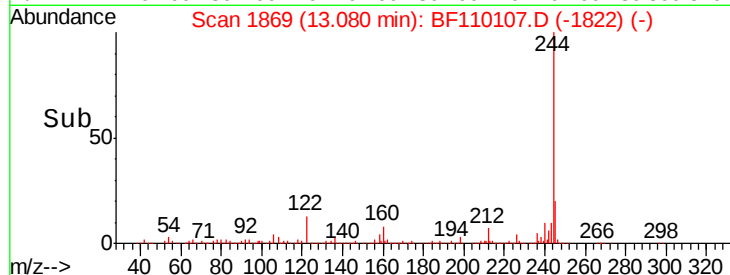
#79
 Terphenyl-d14
 Concen: 59.085 ng
 RT: 13.08 min Scan# 1869
 Delta R.T. -0.02 min
 Lab File: BF110107.D
 Acq: 24 Oct 2018 11:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1002211
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 13.4 8.7 13.1#

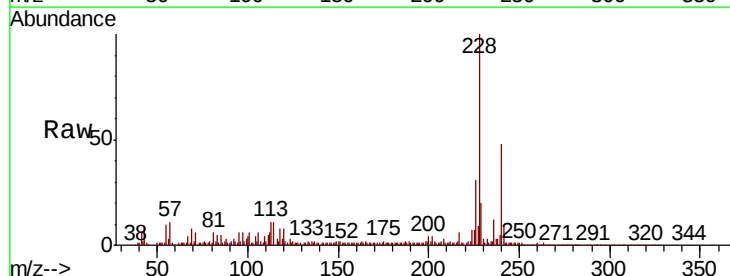


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

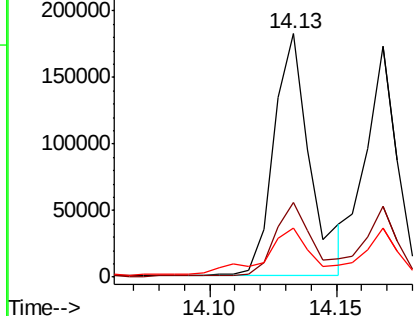
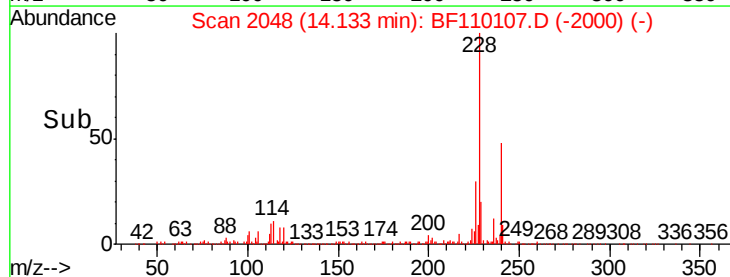


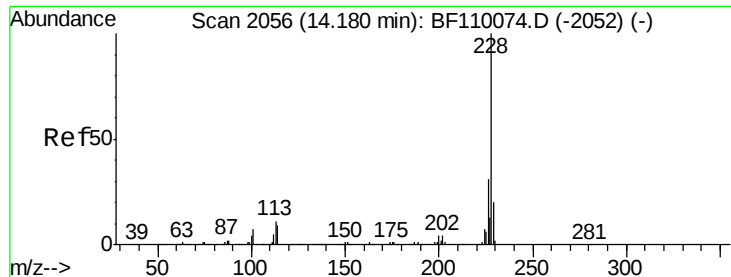
#81
 Benzo(a)anthracene
 Concen: 8.720 ng
 RT: 14.13 min Scan# 2048
 Delta R.T. -0.02 min
 Lab File: BF110107.D
 Acq: 24 Oct 2018 11:41

Tgt Ion:228 Resp: 182427
 Ion Ratio Lower Upper
 228 100
 226 30.8 22.1 33.1
 229 20.3 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

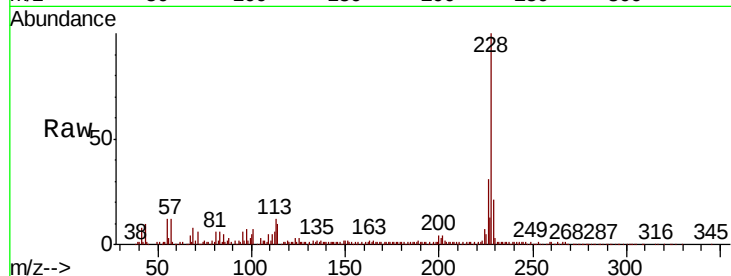




#83
Chrysene
Concen: 7.475 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	21.5	15.9	23.9

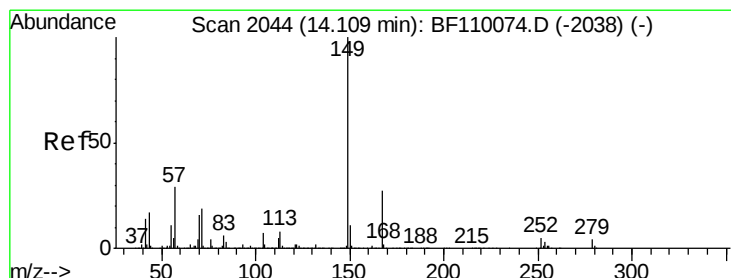
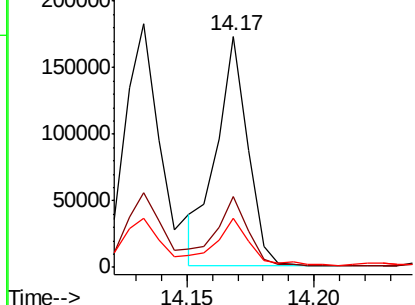
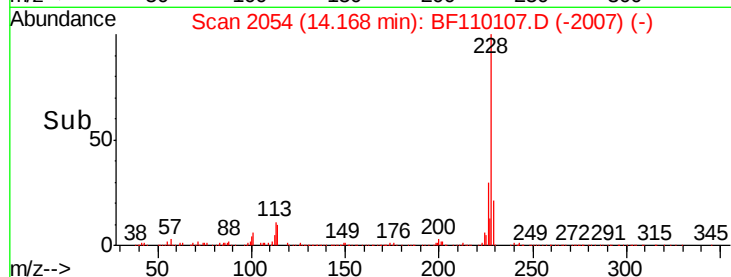


Abundance

Ion 228.00 (227.70 to 228.70): E

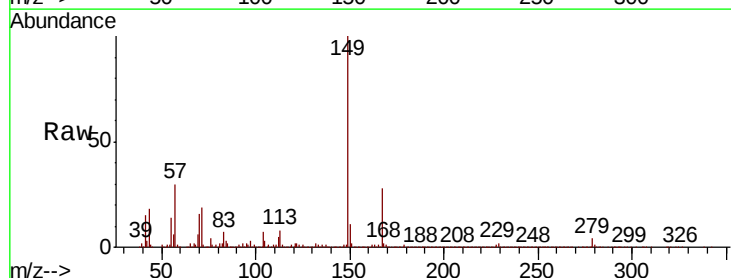
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 31.261 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.3	19.8	29.8
279	4.1	2.7	4.1#

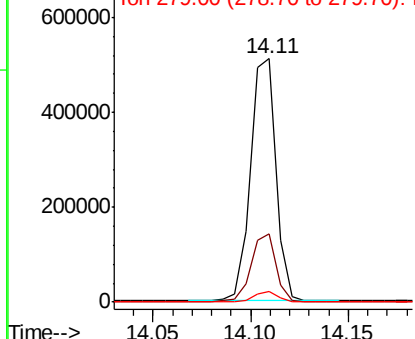
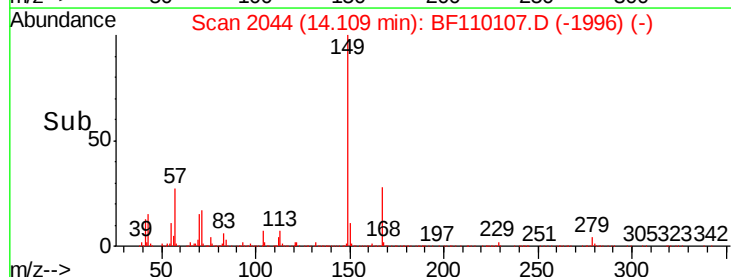


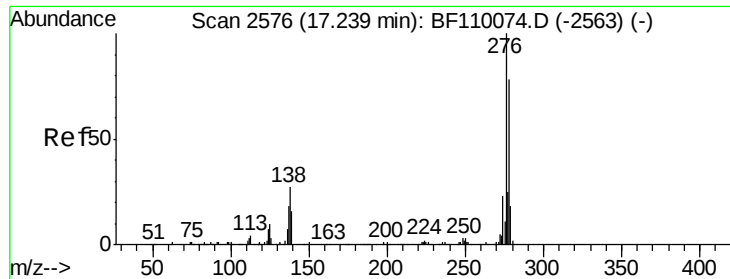
Abundance

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

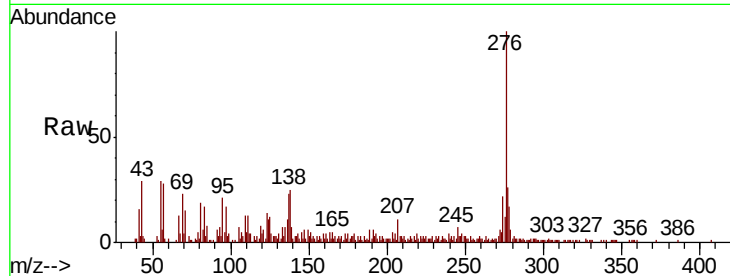




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.348 ng
RT: 17.22 min Scan# 2573
Delta R.T. -0.04 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.4	18.5	27.7
277	25.8	20.0	30.0

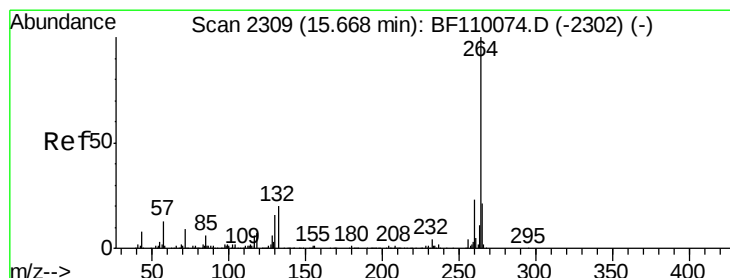
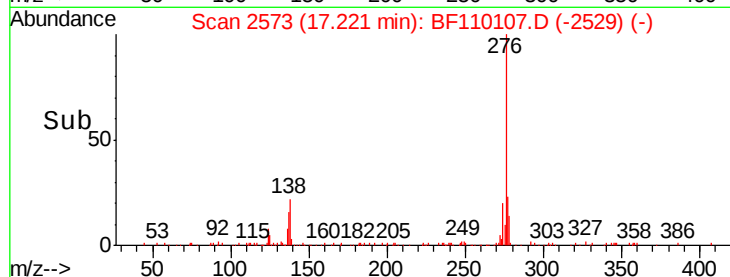
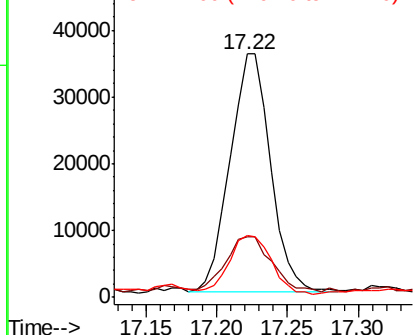


Abundance

Ion 276.00 (275.70 to 276.70): E

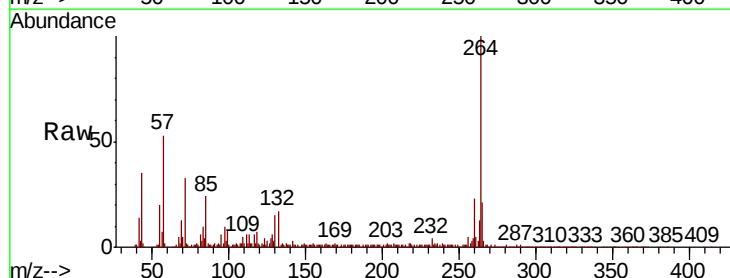
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.0	16.7	25.1

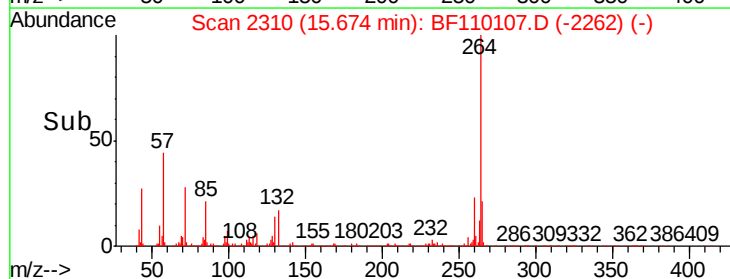
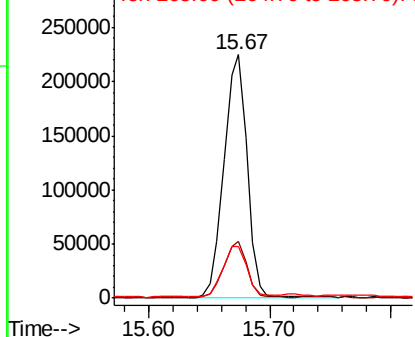


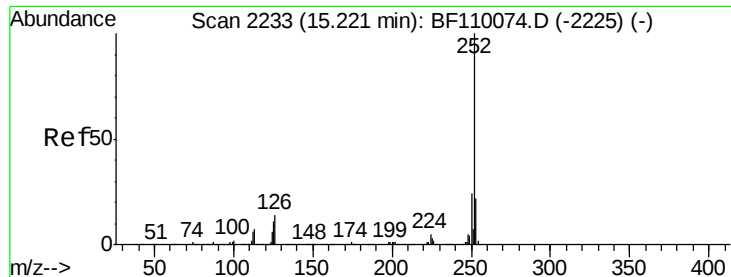
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

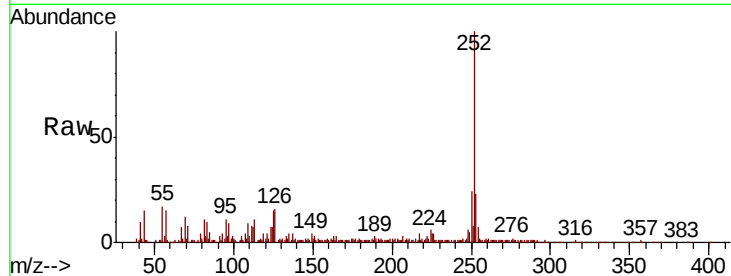




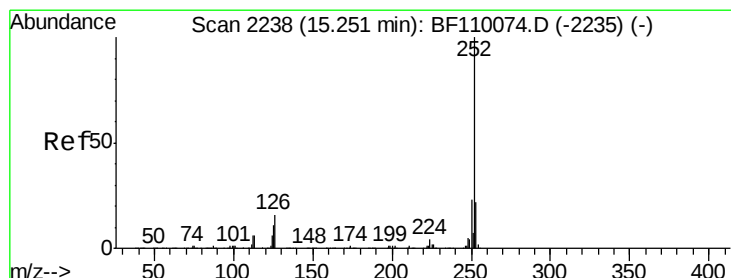
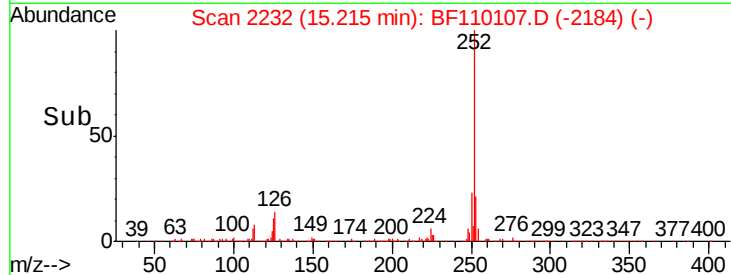
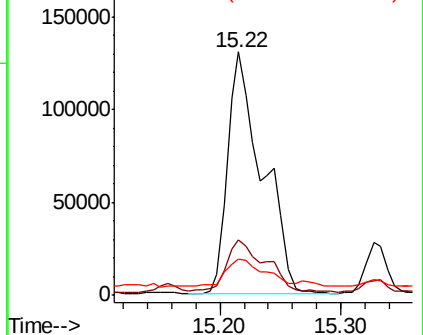
#88
Benzo(b)fluoranthene
Concen: 15.218 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	14.7	8.2	12.4

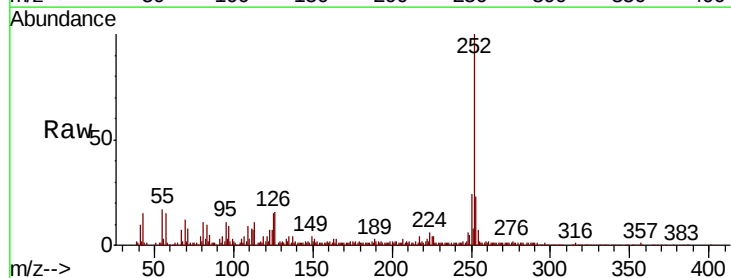


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

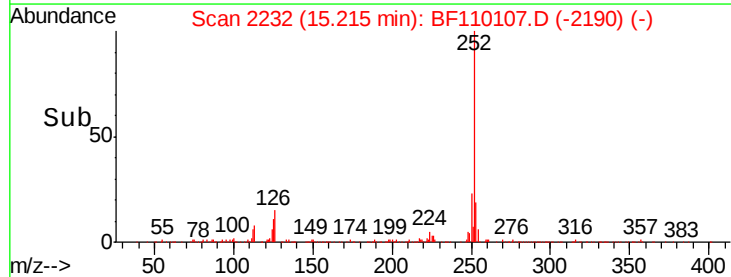
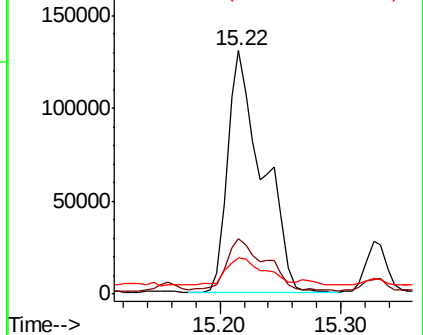


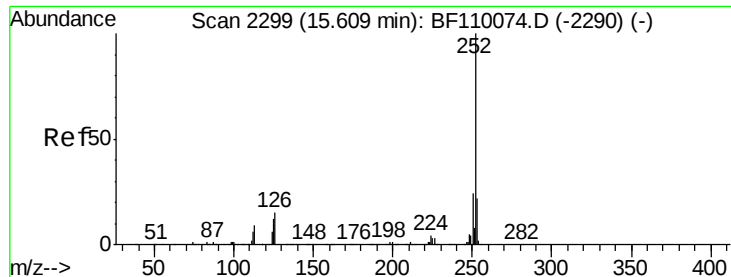
#89
Benzo(k)fluoranthene
Concen: 15.480 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.05 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	14.7	7.4	11.0



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

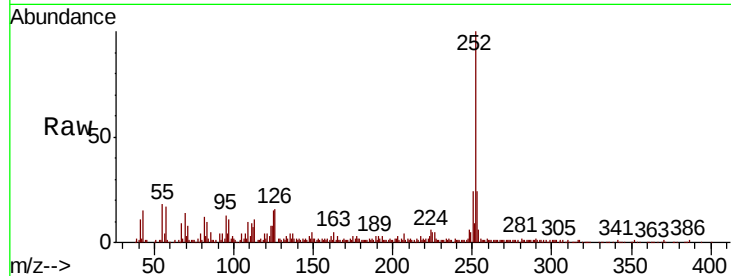




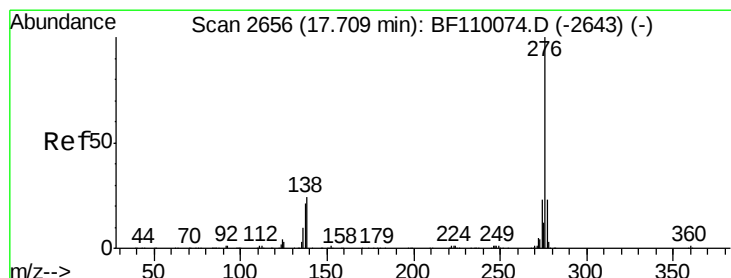
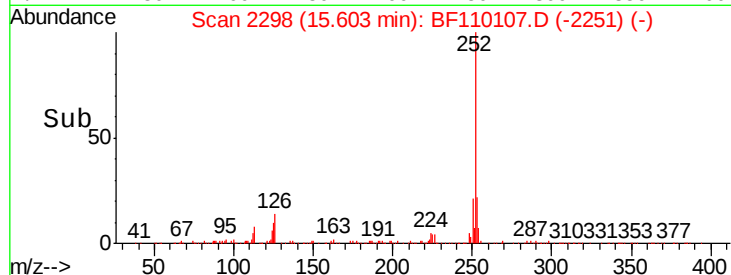
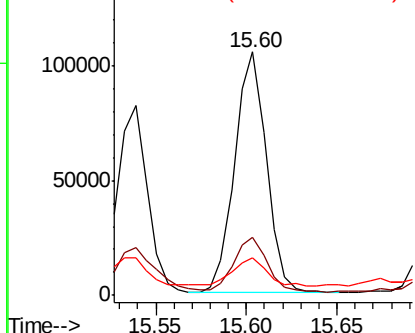
#90
Benzo(a)pyrene
Concen: 8.152 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.2	27.4
125	15.2	9.0	13.6

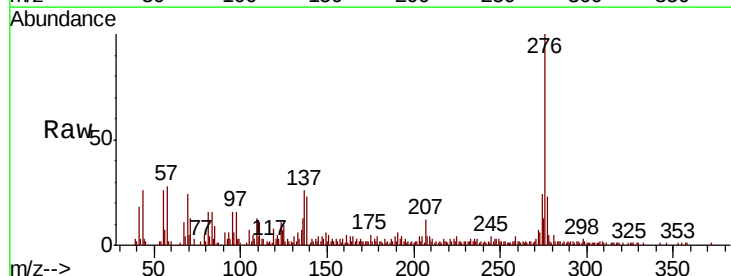


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.158 ng
RT: 17.70 min Scan# 2654
Delta R.T. -0.04 min
Lab File: BF110107.D
Acq: 24 Oct 2018 11:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.8	28.2
138	23.0	16.0	24.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

