

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF011019\
 Data File : BF112003.D
 Acq On : 10 Jan 2019 22:27
 Operator : JU/SJ
 Sample : K1015-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 11 00:55:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	87532	20.00	ng	-0.02
21) Naphthalene-d8	8.16	136	299732	20.00	ng	-0.02
39) Acenaphthene-d10	9.92	164	138199	20.00	ng	-0.02
64) Phenanthrene-d10	11.40	188	275811	20.00	ng	-0.02
76) Chrysene-d12	14.04	240	248761	20.00	ng	-0.02
87) Perylene-d12	15.52	264	186054	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	264157	51.63	ng	-0.02
7) Phenol-d6	6.51	99	323423	49.04	ng	-0.02
23) Nitrobenzene-d5	7.43	82	185178	33.02	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	84465	46.99	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	301448	31.81	ng	-0.02
79) Terphenyl-d14	12.98	244	382089	29.16	ng	-0.02

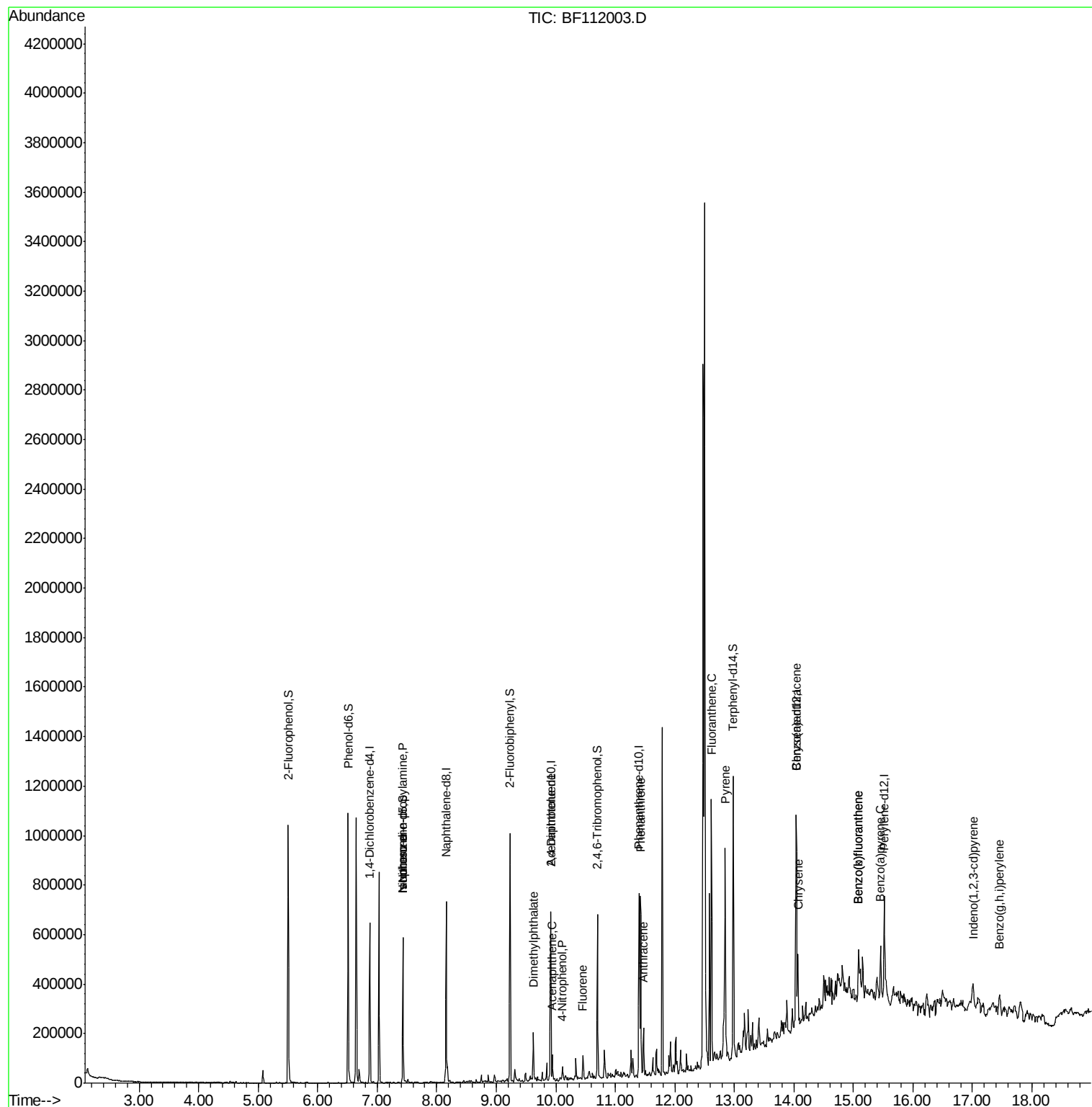
Target Compounds				Qvalue		
9) Benzaldehyde	6.51	77	436	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.43	70	24669	5.758	ng	# 75
25) Isophorone	7.43	82	185176	20.391	ng	# 65
50) Dimethylphthalate	9.62	163	67208	6.474	ng	98
52) Acenaphthene	9.95	154	19896	2.301	ng	99
56) 4-Nitrophenol	10.12	139	5848	3.329	ng	# 10
57) 2,4-Dinitrotoluene	9.91	165	18294	6.098	ng	# 25
58) Fluorene	10.46	166	27865	3.045	ng	96
71) Phenanthrene	11.42	178	276340	18.740	ng	99
72) Anthracene	11.47	178	70127	4.685	ng	96
75) Fluoranthene	12.62	202	390768	25.813	ng	99
78) Pyrene	12.84	202	353958	20.680	ng	99
81) Benzo(a)anthracene	14.03	228	148091	10.344	ng	98
83) Chrysene	14.07	228	121509	8.901	ng	97
86) Indeno(1,2,3-cd)pyrene	17.01	276	58859	5.914	ng	95
88) Benzo(b)fluoranthene	15.09	252	168519	15.141	ng	# 94
89) Benzo(k)fluoranthene	15.09	252	168519	16.108	ng	# 95
90) Benzo(a)pyrene	15.46	252	98422	10.057	ng	# 96
92) Benzo(a,h,i)perylene	17.46	276	56162	7.295	ng	96

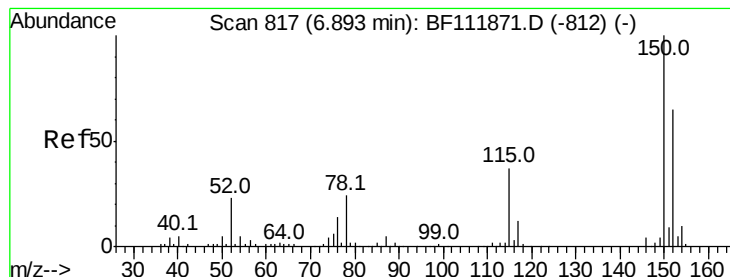
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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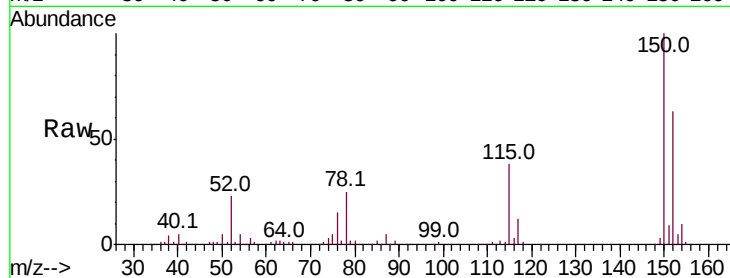


#1

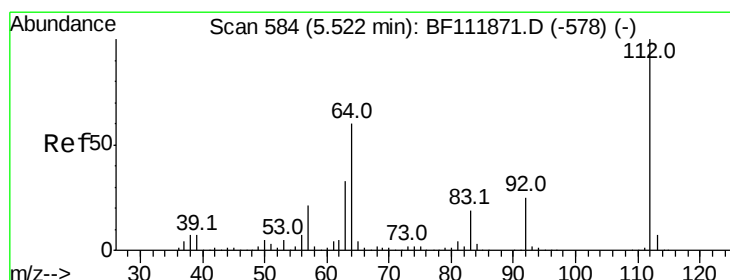
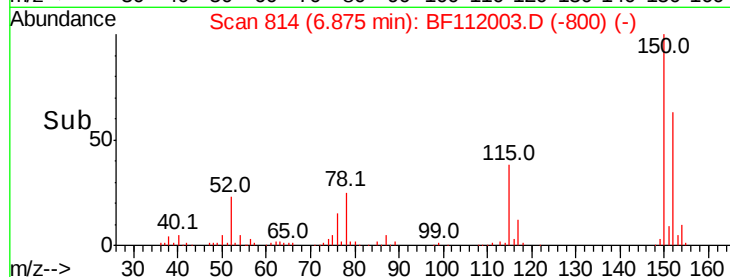
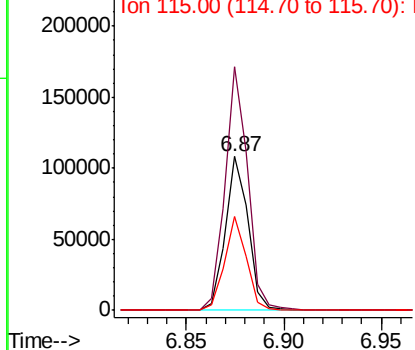
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 87532
Ion Ratio Lower Upper
152 100
150 158.5 122.7 184.1
115 60.8 45.2 67.8



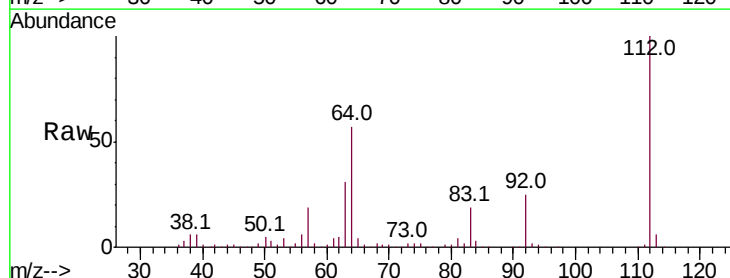
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



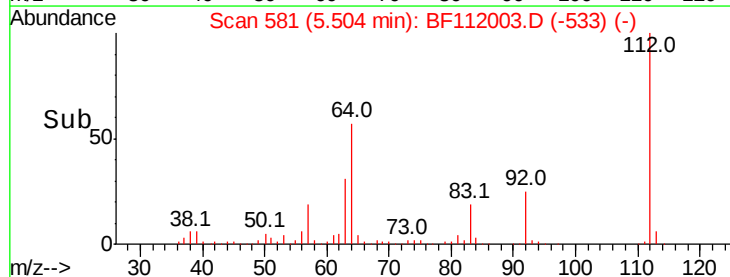
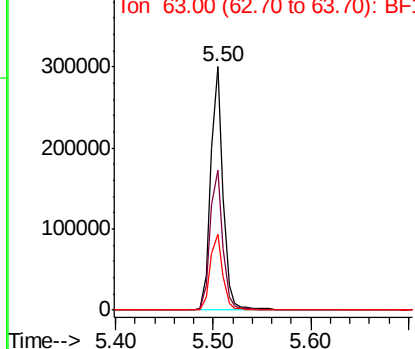
#5

2-Fluorophenol
Concen: 51.630 ng
RT: 5.50 min Scan# 581
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:112 Resp: 264157
Ion Ratio Lower Upper
112 100
64 57.2 48.3 72.5
63 30.9 26.1 39.1



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: 49.045 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.02 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Instrument :

BNA_F

ClientSampled :

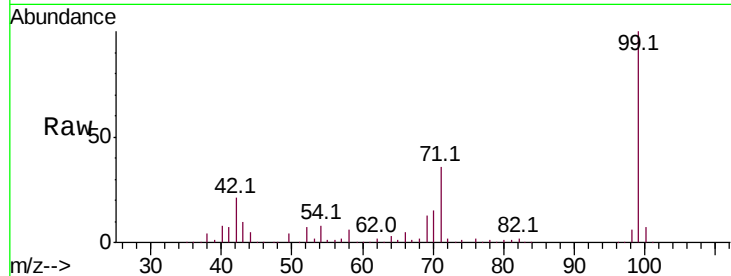
Tot Ion: 99 Resp: 323423

Ion Ratio Lower Upper

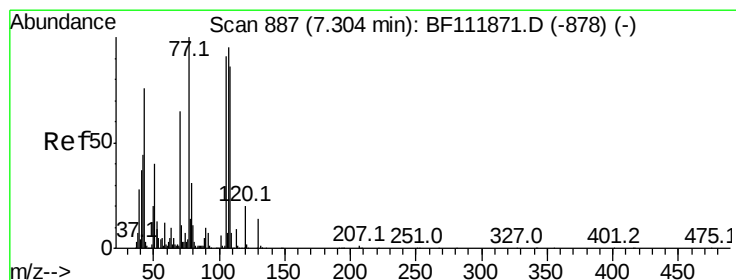
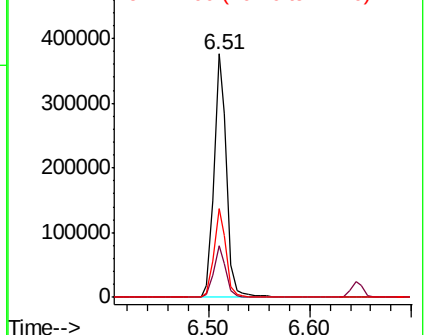
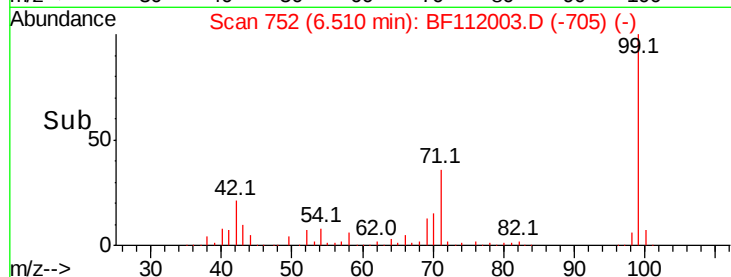
99 100

42 21.3 17.9 26.9

71 36.2 28.7 43.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.758 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.13 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Tgt Ion: 70 Resp: 24669

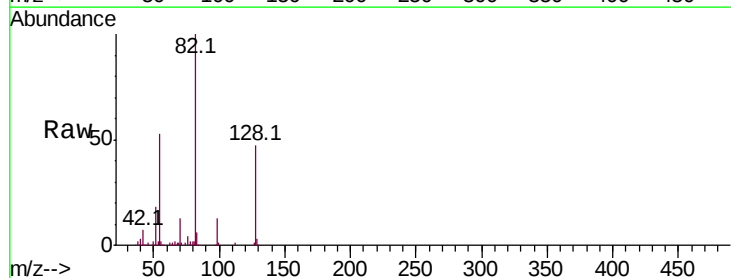
Ion Ratio Lower Upper

70 100

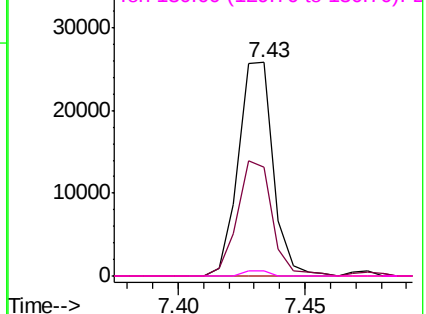
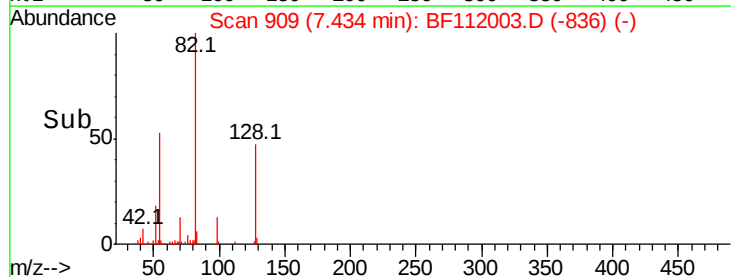
42 50.7 53.6 80.4#

101 0.0 7.3 10.9#

130 2.2 16.8 25.2#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.02 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 299732

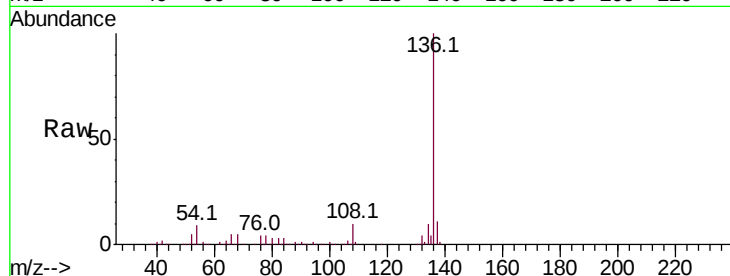
Ion Ratio Lower Upper

136 100

137 10.7 9.1 13.7

54 8.6 7.2 10.8

68 5.1 4.4 6.6

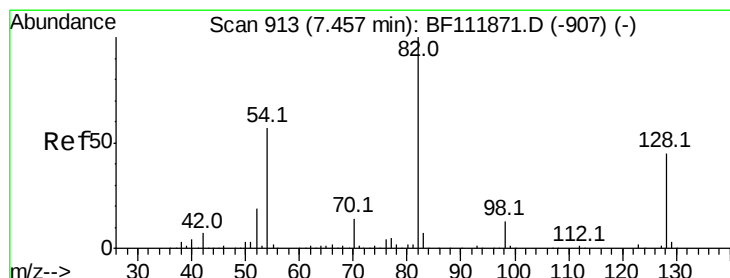
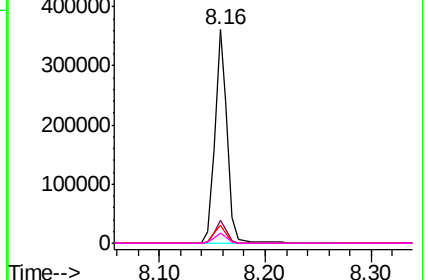
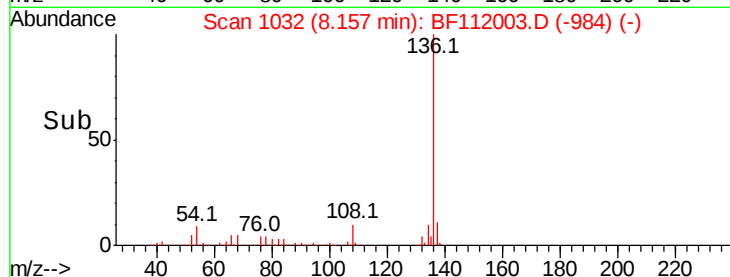


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 33.019 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

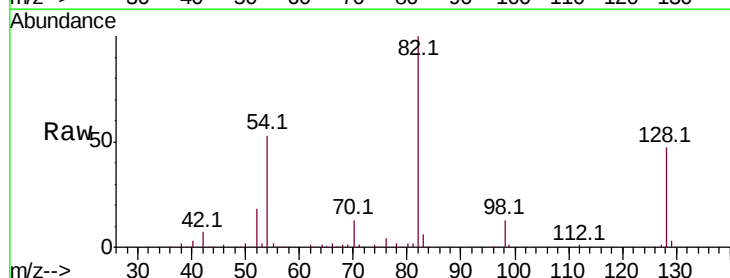
Tgt Ion: 82 Resp: 185178

Ion Ratio Lower Upper

82 100

128 47.1 35.7 53.5

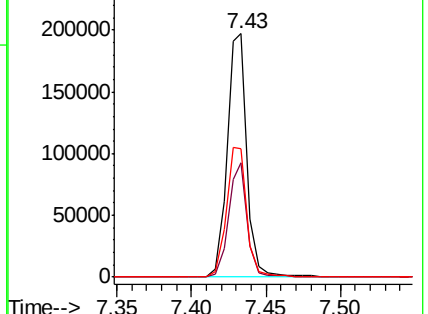
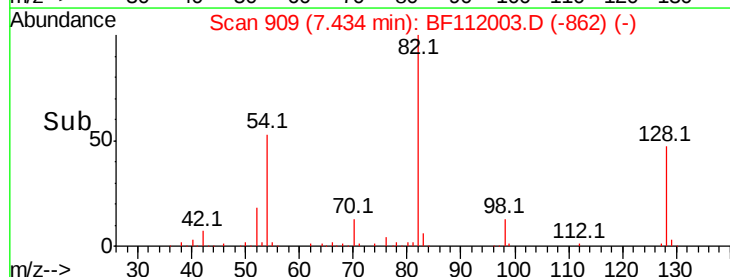
54 52.6 45.8 68.8

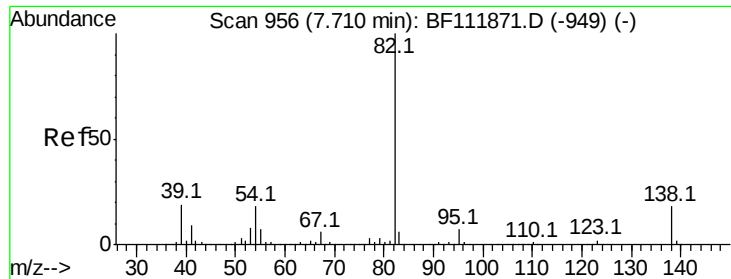


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.391 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Instrument :

BNA_F

ClientSampled :

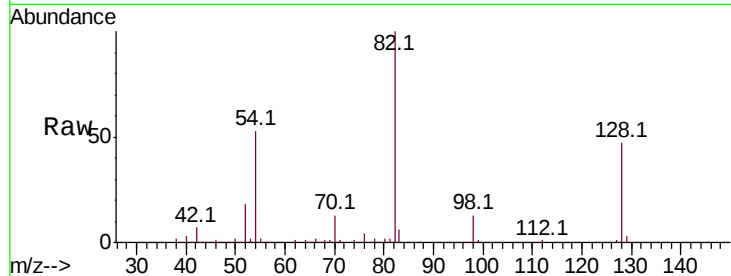
Tot Ion: 82 Resp: 185176

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

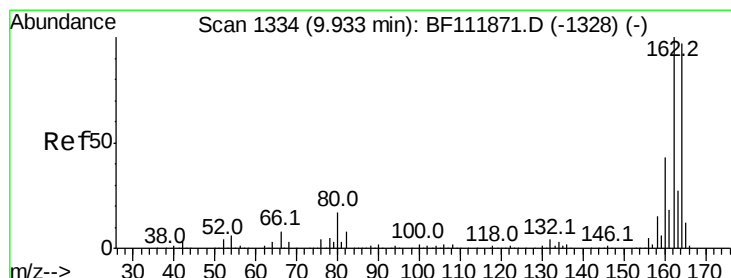
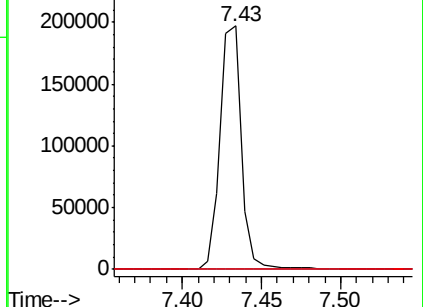
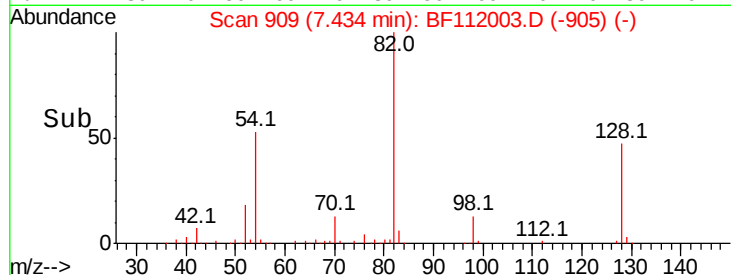
138 0.0 14.4 21.6#



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: 9.92 min Scan# 1331

Delta R.T. -0.02 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

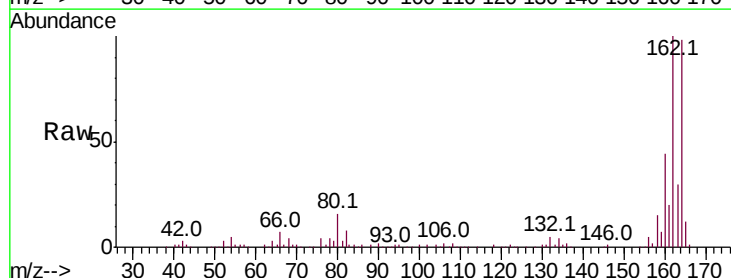
Tgt Ion:164 Resp: 138199

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.2

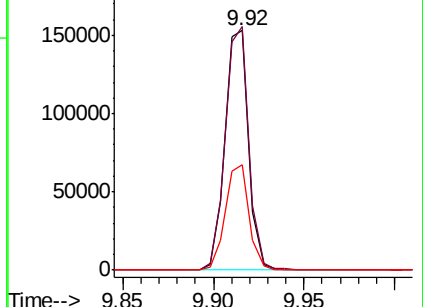
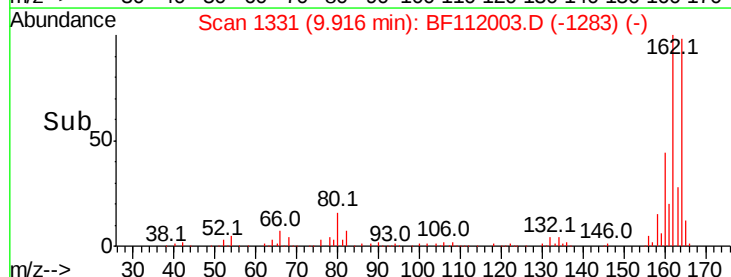
160 44.3 35.5 53.3

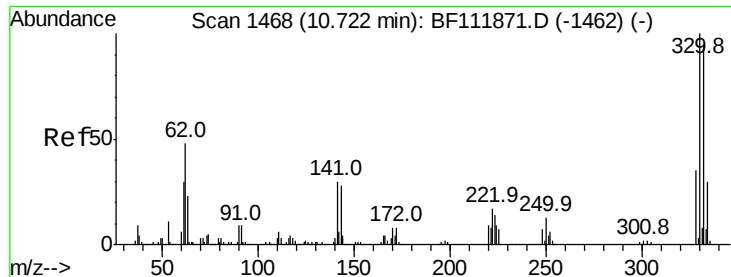


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

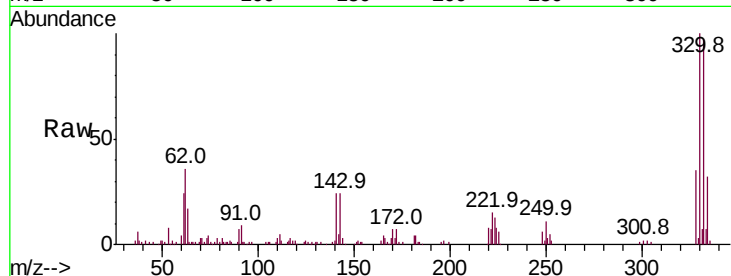




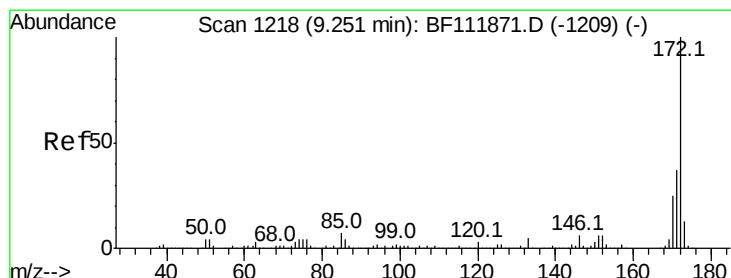
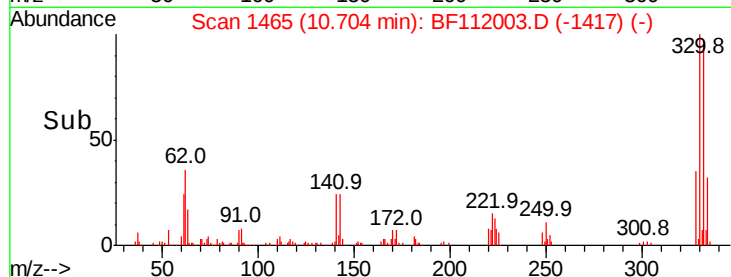
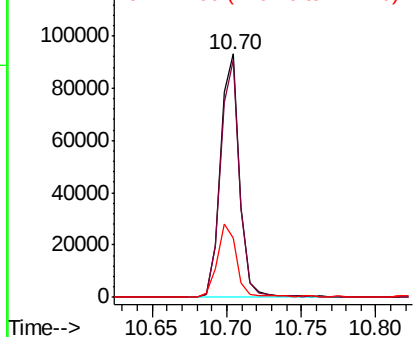
#42
 2,4,6-Tribromophenol
 Concen: 46.989 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.02 min
 Lab File: BF112003.D
 Acq: 10 Jan 2019 22:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	30.4	23.7	35.5

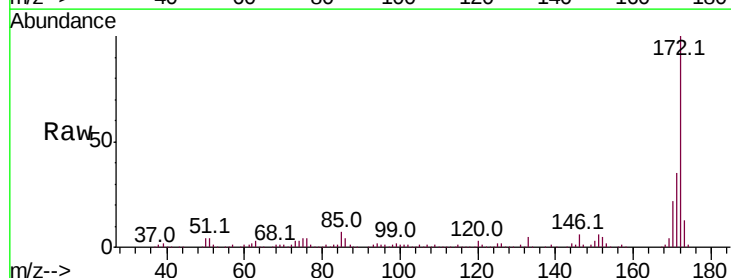


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

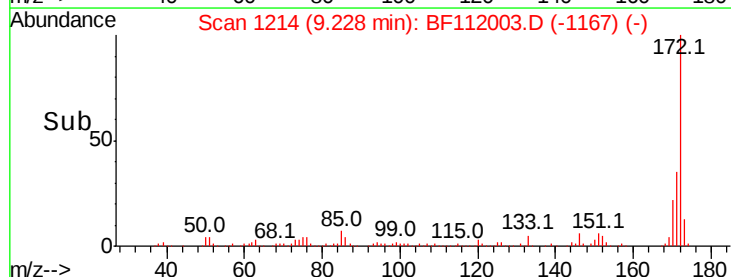
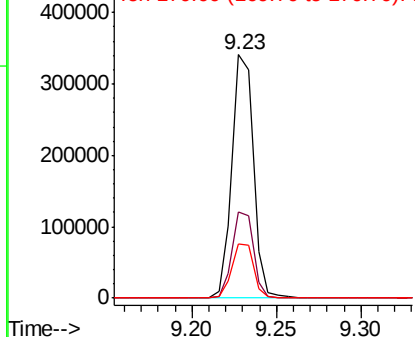


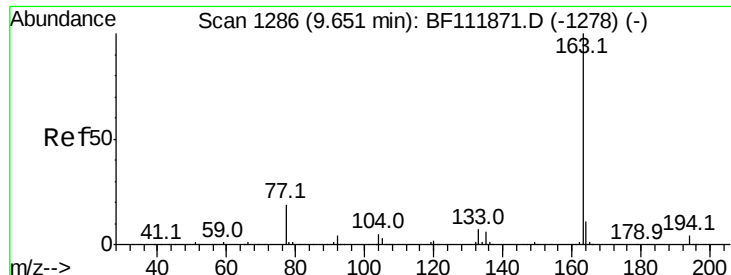
#45
 2-Fluorobiphenyl
 Concen: 31.807 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.02 min
 Lab File: BF112003.D
 Acq: 10 Jan 2019 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.6	44.4
170	22.2	19.8	29.8



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

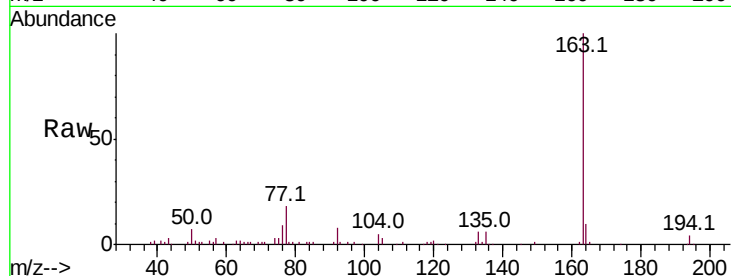




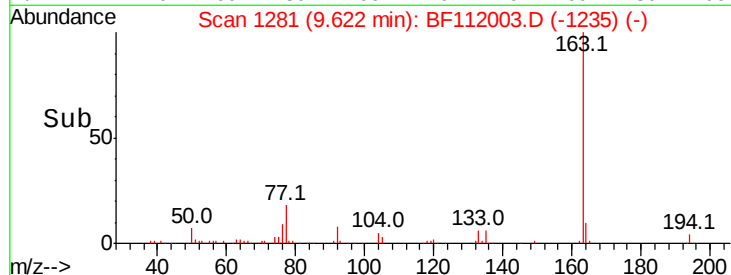
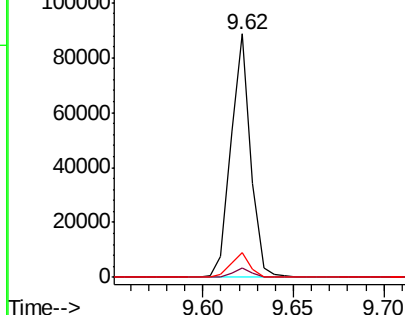
#50
Dimethylphthalate
Concen: 6.474 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.03 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.4	5.2
164	10.0	8.5	12.7

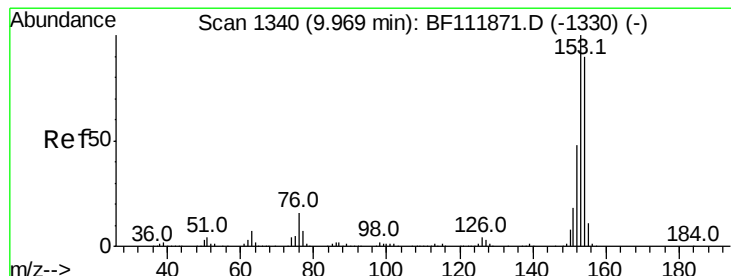


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

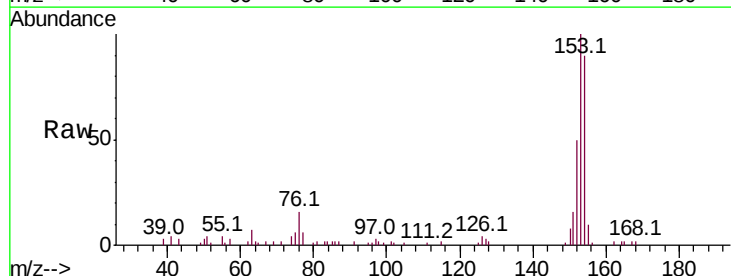
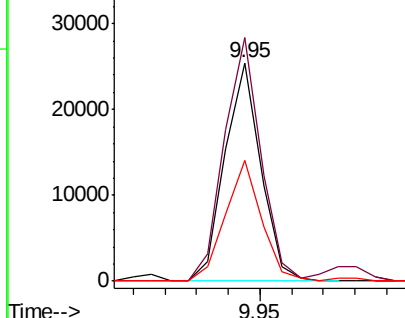


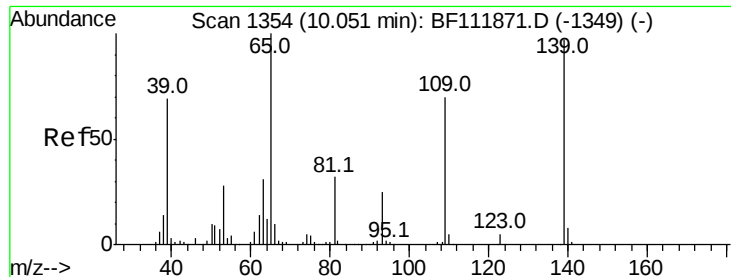
#52
Acenaphthene
Concen: 2.301 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.4	134.0
152	55.6	43.1	64.7



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#56

4-Nitrophenol

Concen: 3.329 ng

RT: 10.12 min Scan# 1365

Delta R.T. 0.06 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Instrument :

BNA_F

ClientSampleId :

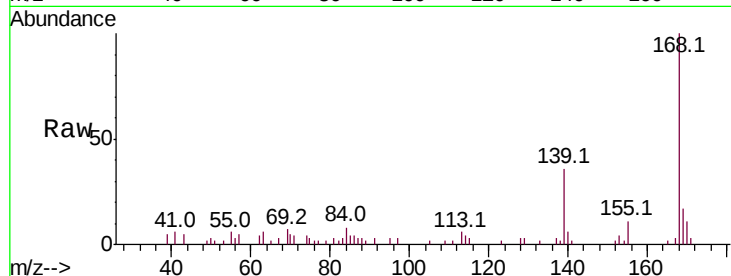
Tot Ion:139 Resp: 5848

Ion Ratio Lower Upper

139 100

109 5.4 52.2 92.2#

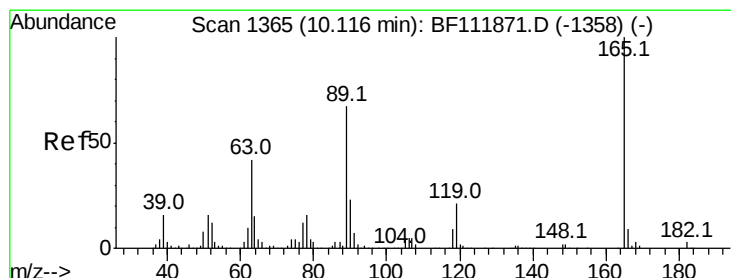
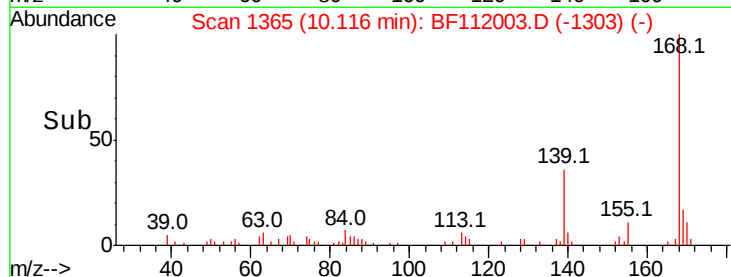
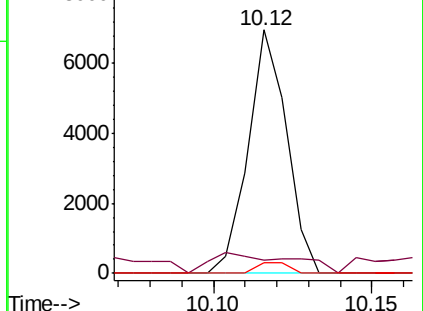
65 4.4 83.1 123.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.098 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.21 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Tgt Ion:165 Resp: 18294

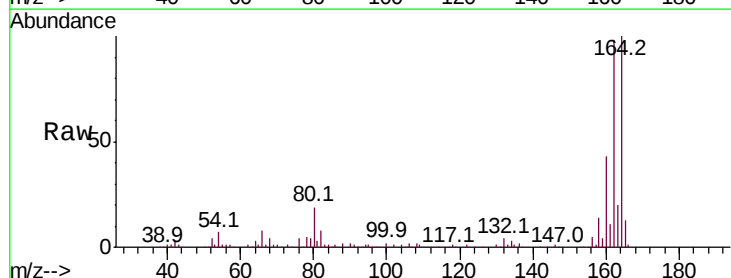
Ion Ratio Lower Upper

165 100

63 1.7 34.1 51.1#

89 0.0 53.5 80.3#

182 0.0 2.0 3.0#

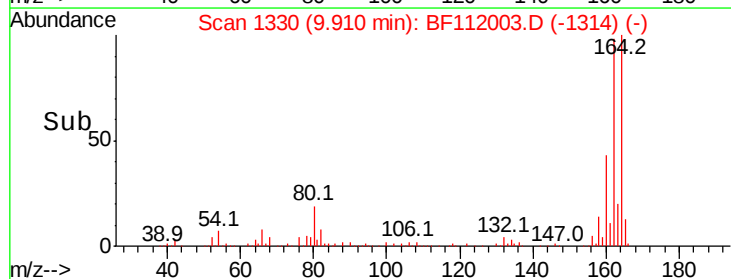
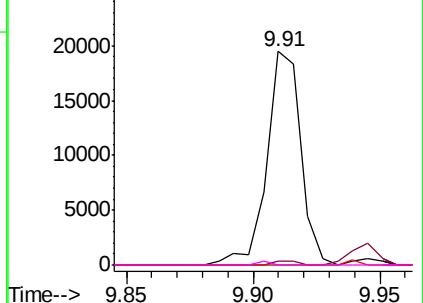


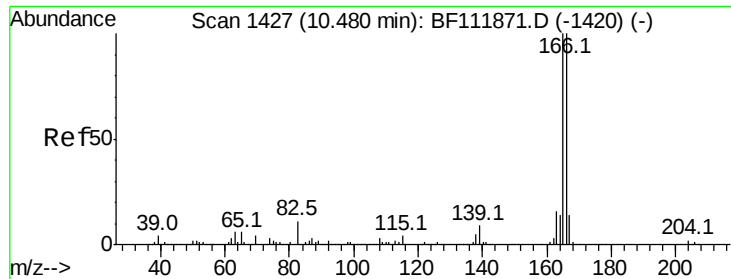
Abundance Ion 165.00 (164.70 to 165.70): E

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

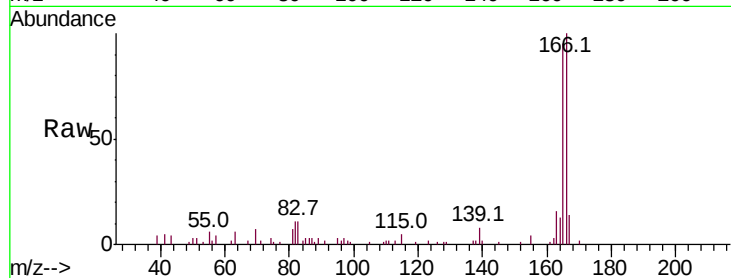




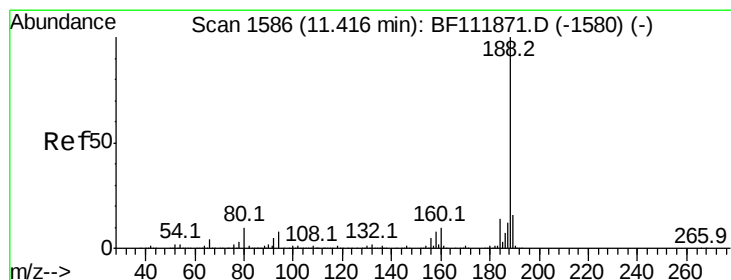
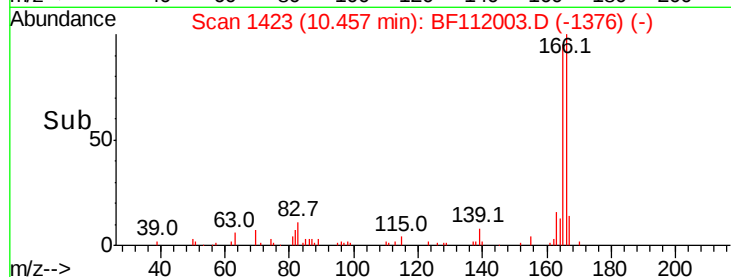
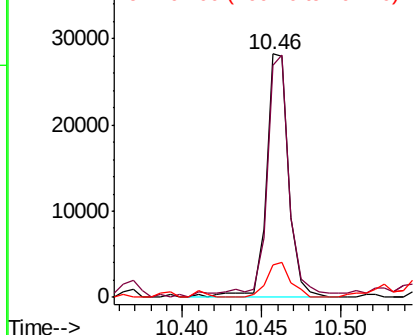
#58
 Fluorene
 Concen: 3.045 ng
 RT: 10.46 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BF112003.D
 Acq: 10 Jan 2019 22:27

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 27865
 Ion Ratio Lower Upper
 166 100
 165 95.5 79.7 119.5
 167 13.5 11.1 16.7

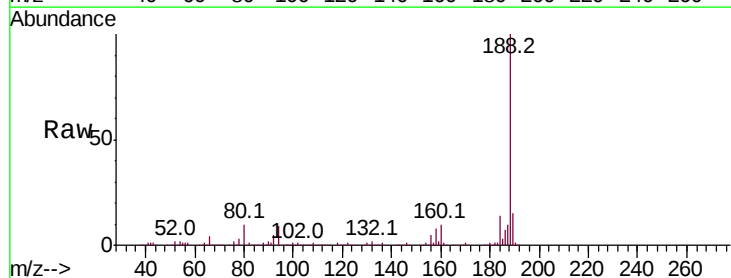


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

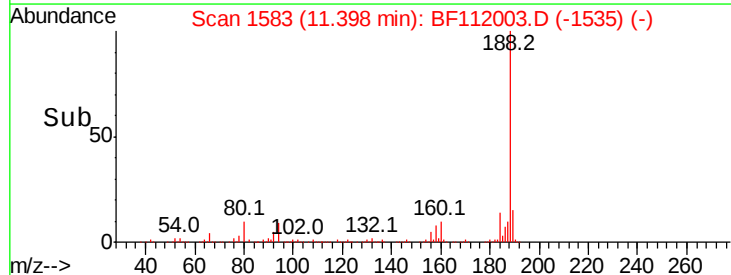
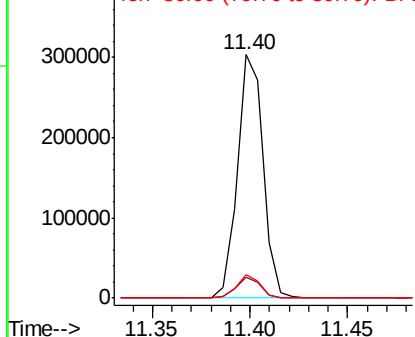


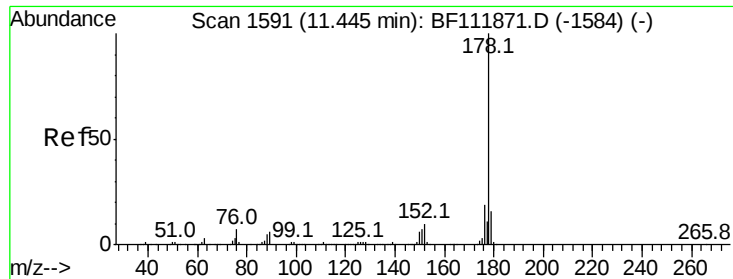
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.40 min Scan# 1583
 Delta R.T. -0.02 min
 Lab File: BF112003.D
 Acq: 10 Jan 2019 22:27

Tgt Ion:188 Resp: 275811
 Ion Ratio Lower Upper
 188 100
 94 8.7 6.6 10.0
 80 9.7 7.7 11.5



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

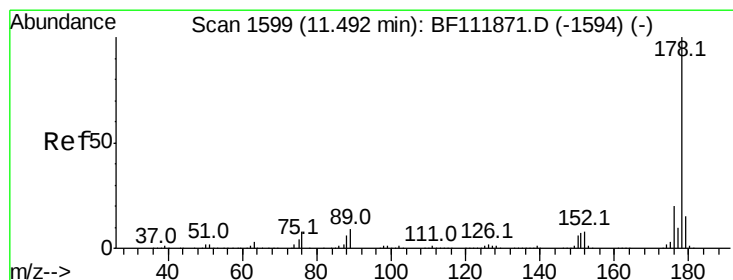
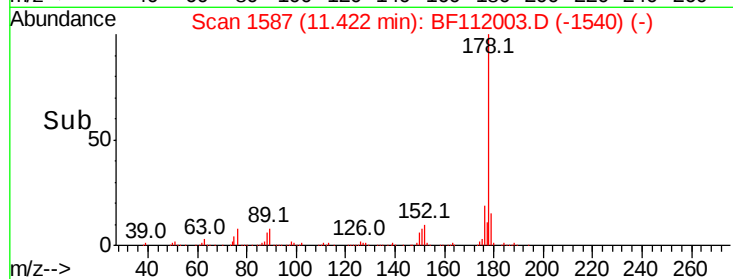
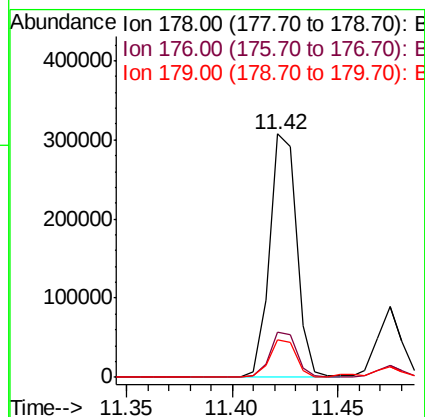
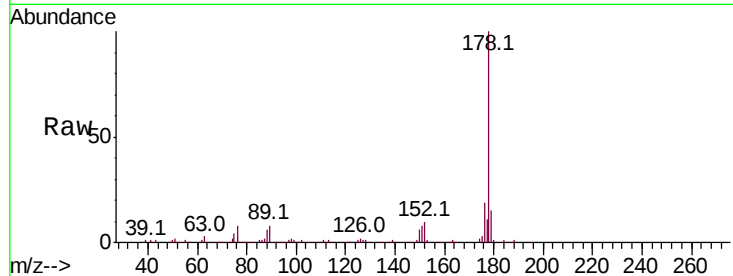




#71
Phenanthrene
Concen: 18.740 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

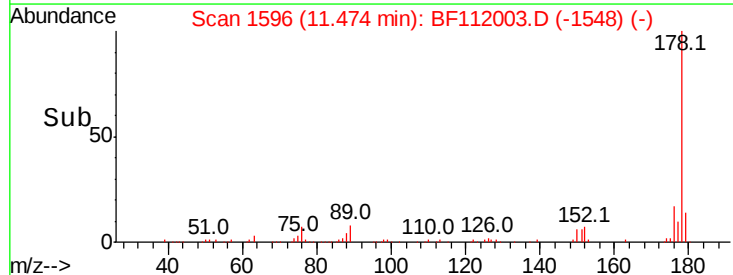
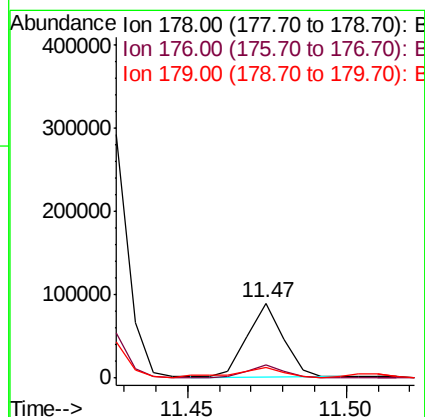
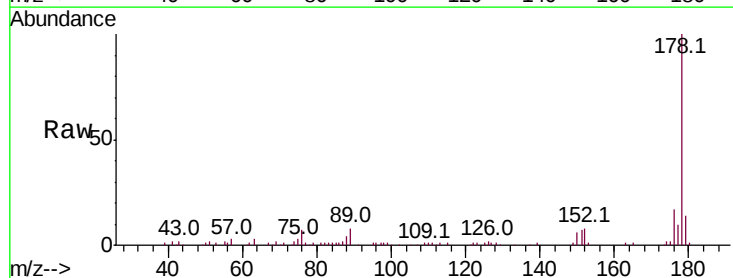
Instrument :
BNA_F
ClientSampleId :

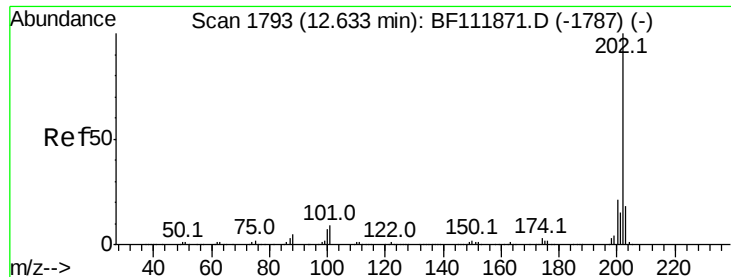
Tot Ion:178 Resp: 276340
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.4 12.6 18.8



#72
Anthracene
Concen: 4.685 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:178 Resp: 70127
Ion Ratio Lower Upper
178 100
176 17.3 15.7 23.5
179 14.2 12.4 18.6





#75

Fluoranthene

Concen: 25.813 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.02 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Instrument :

BNA_F

ClientSampleId :

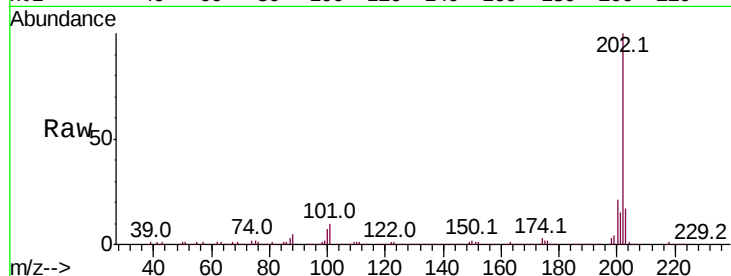
Tot Ion:202 Resp: 390768

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.3

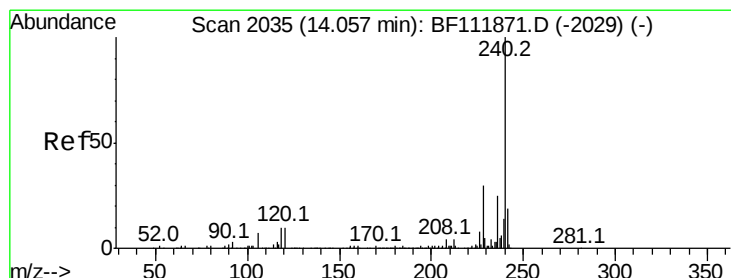
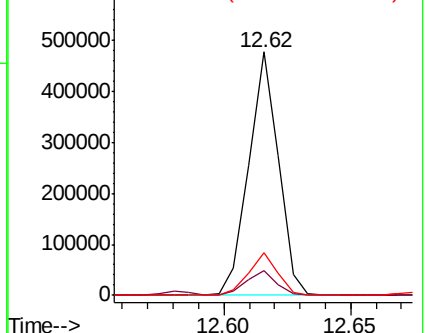
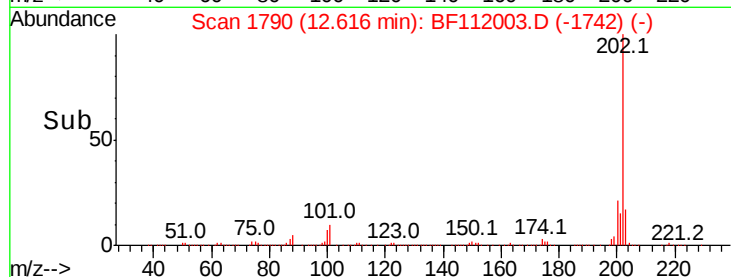
203 17.3 0.0 37.6



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: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

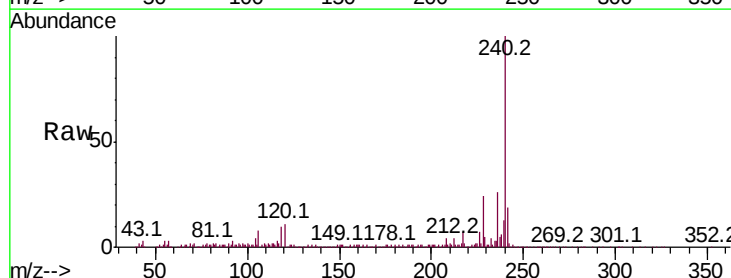
Tgt Ion:240 Resp: 248761

Ion Ratio Lower Upper

240 100

120 10.6 8.2 12.2

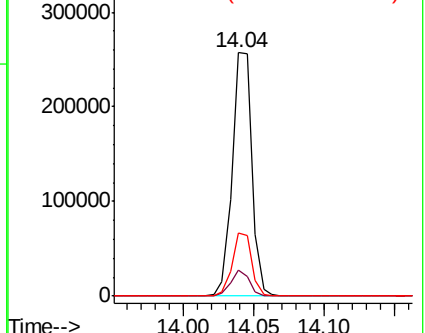
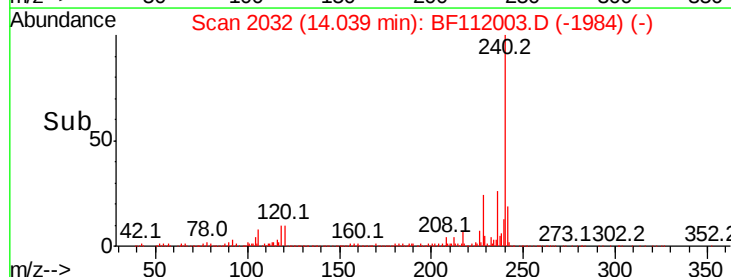
236 26.0 20.2 30.4

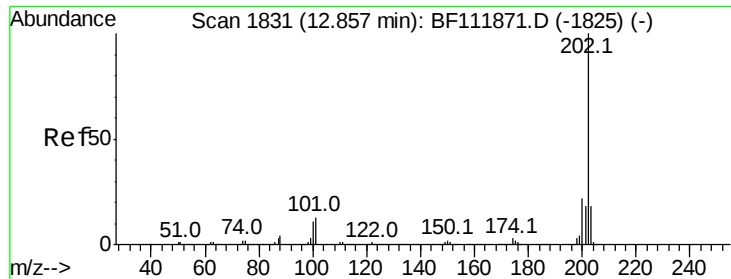


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

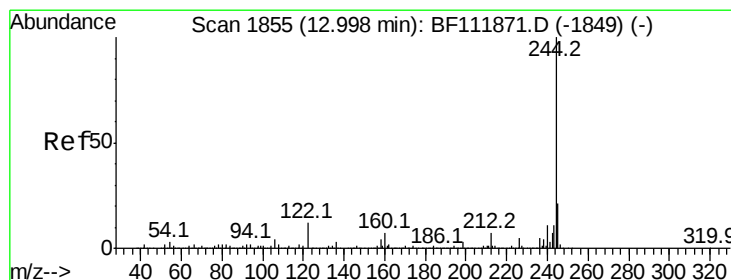
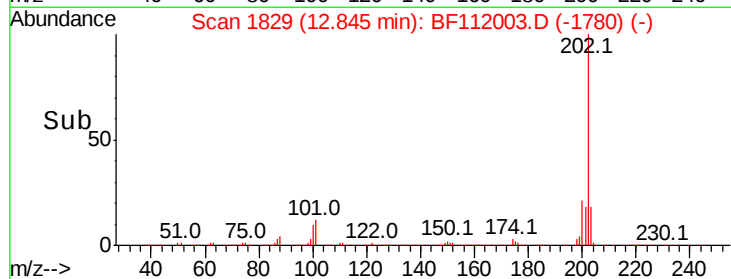
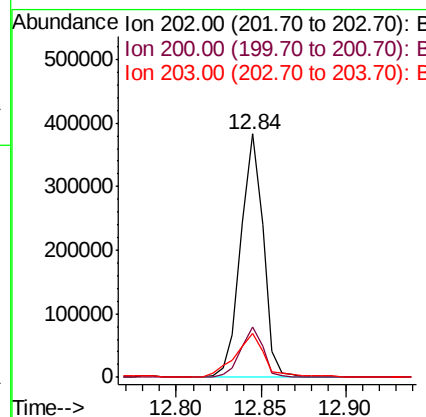
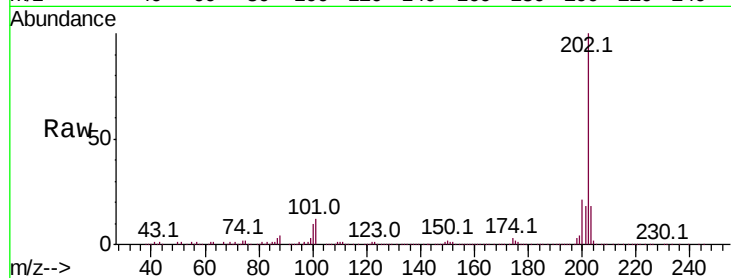




#78
Pvrene
Concen: 20.680 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

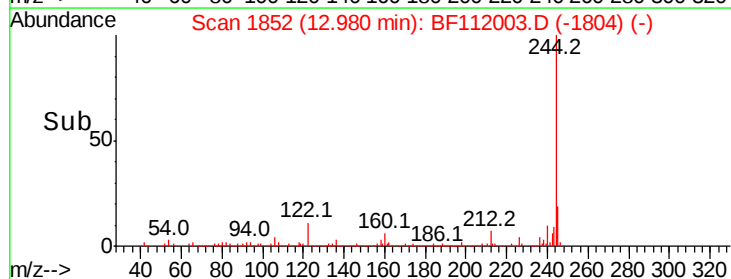
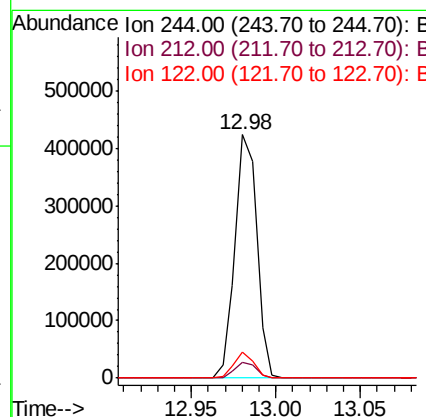
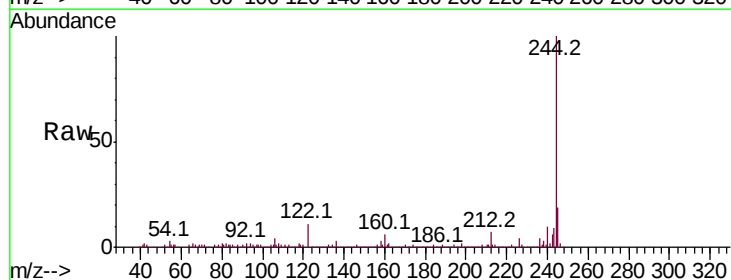
Instrument :
BNA_F
ClientSampleId :

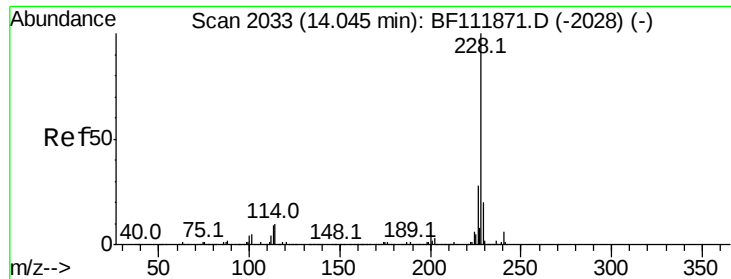
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	17.9	14.6	21.8



#79
Terphenyl-d14
Concen: 29.156 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.9	9.5	14.3

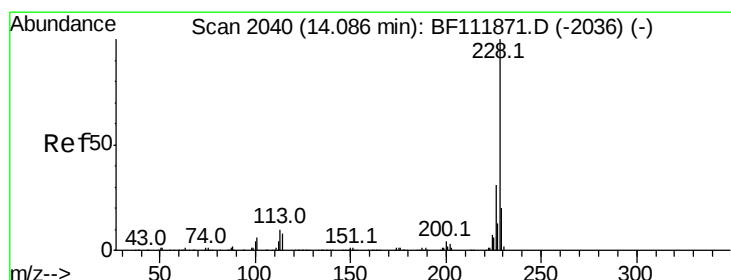
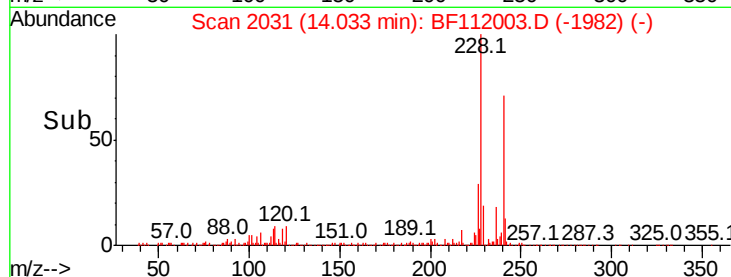
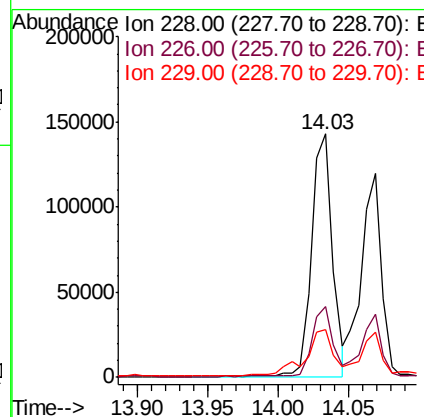
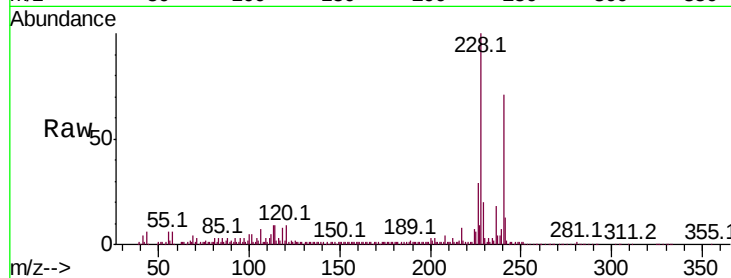




#81
Benzo(a)anthracene
Concen: 10.344 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

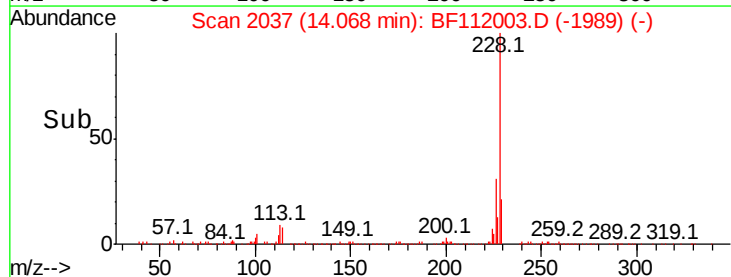
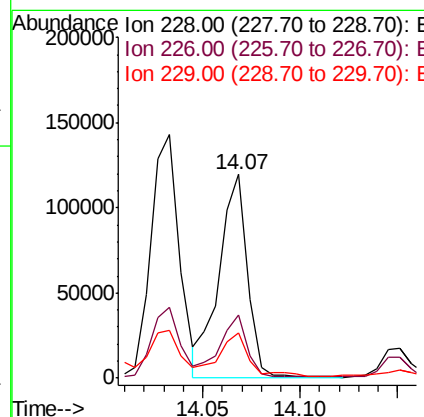
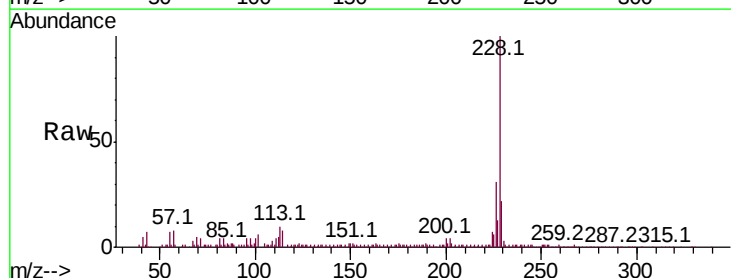
Instrument :
BNA_F
ClientSampleId :

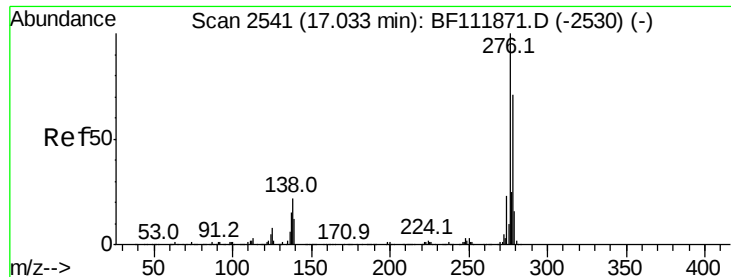
Tot Ion:228 Resp: 148091
Ion Ratio Lower Upper
228 100
226 29.3 22.2 33.2
229 19.7 16.2 24.2



#83
Chrysene
Concen: 8.901 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:228 Resp: 121509
Ion Ratio Lower Upper
228 100
226 31.3 24.6 37.0
229 22.1 15.7 23.5

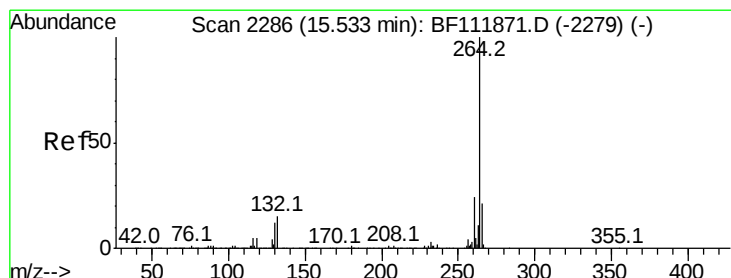
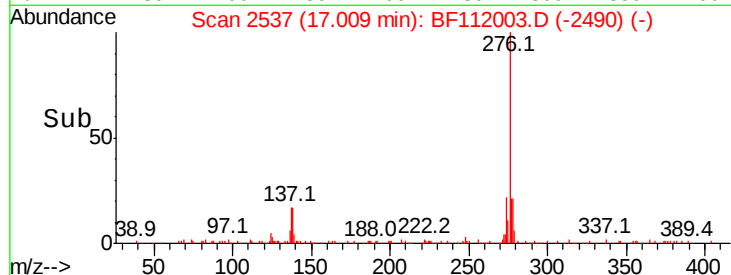
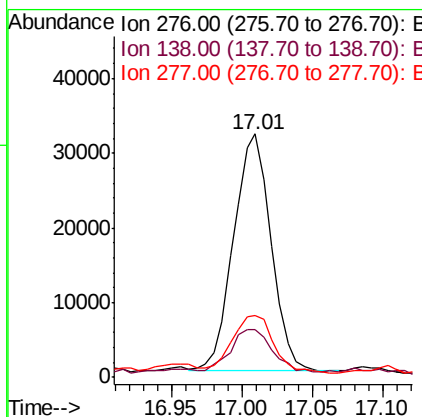
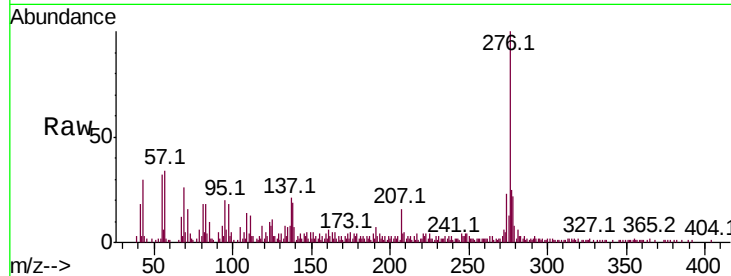




#86
Indeno(1,2,3-cd)pyrene
Concen: 5.914 ng
RT: 17.01 min Scan# 2537
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

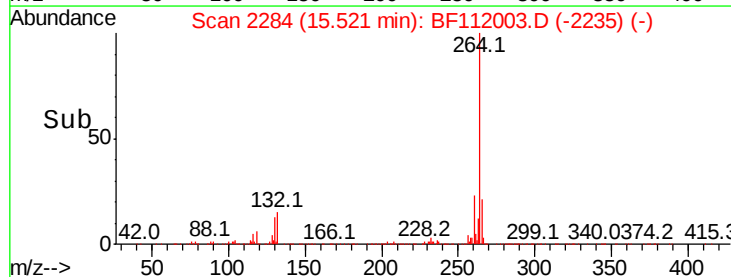
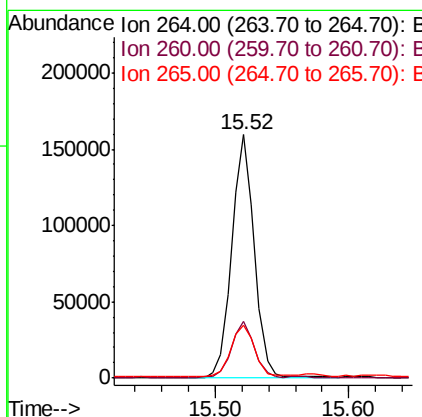
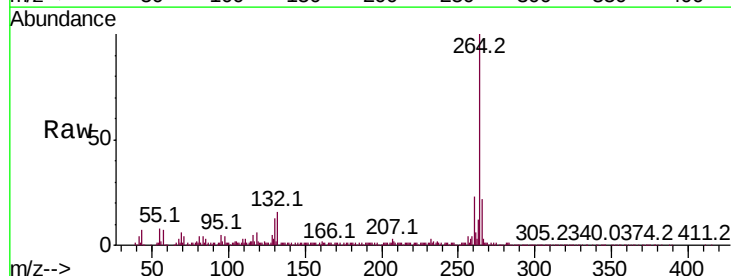
Instrument :
BNA_F
ClientSampleId :

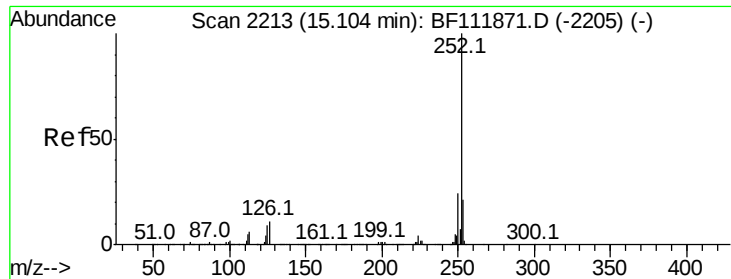
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.1	27.1
277	26.6	19.9	29.9



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.9	17.1	25.7





#88

Benzo(b)fluoranthene

Concen: 15.141 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.02 min

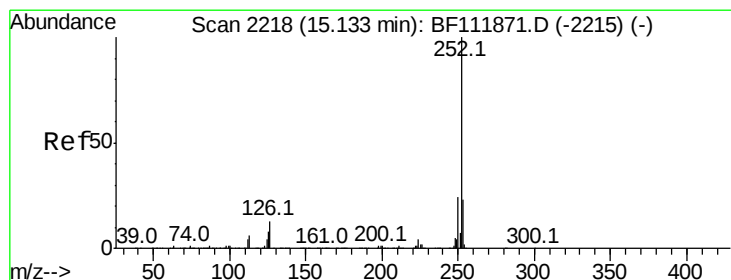
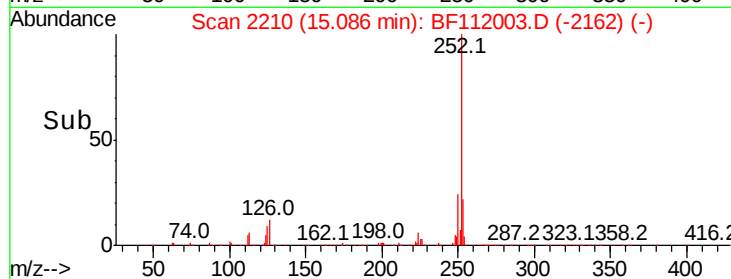
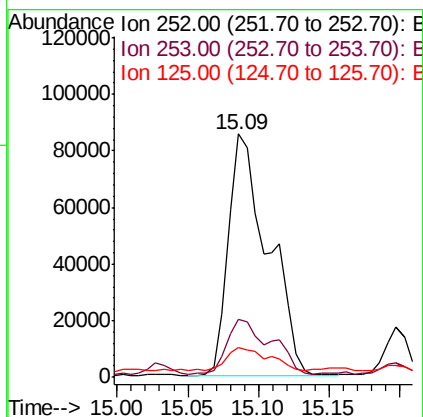
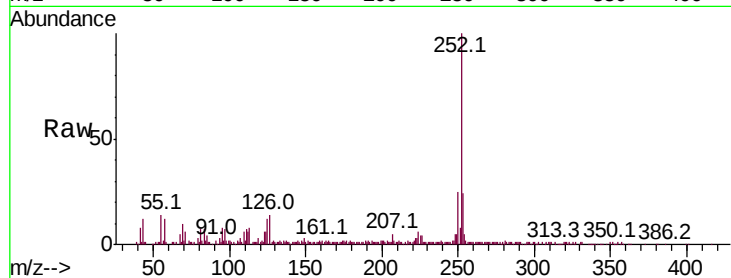
Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 168519

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	12.3	7.1	10.7#



#89

Benzo(k)fluoranthene

Concen: 16.108 ng

RT: 15.09 min Scan# 2210

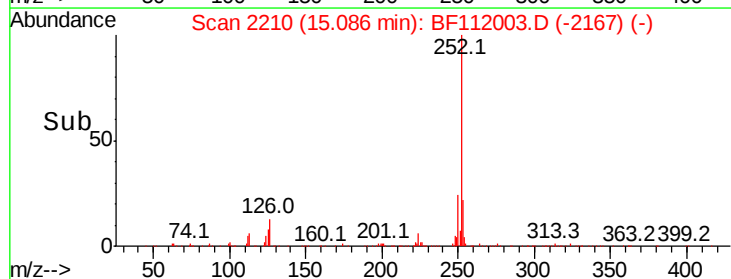
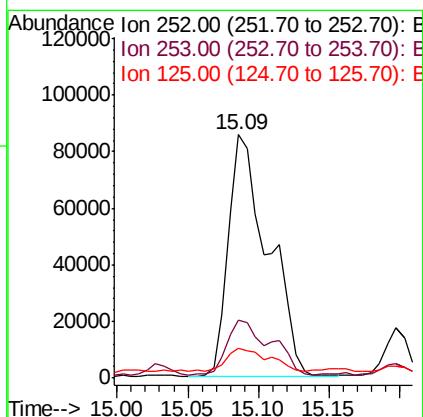
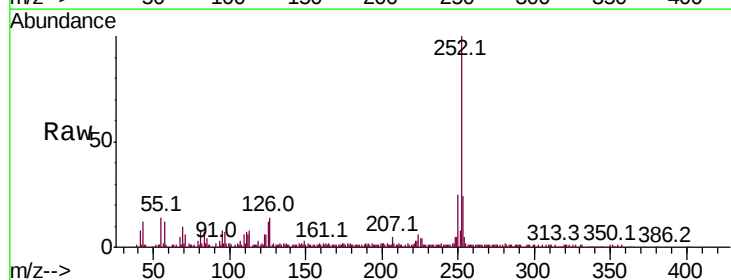
Delta R.T. -0.05 min

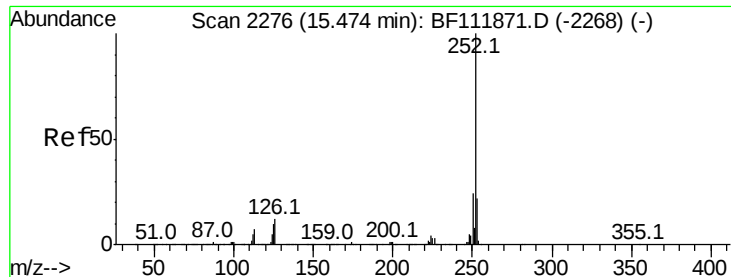
Lab File: BF112003.D

Acq: 10 Jan 2019 22:27

Tgt Ion:252 Resp: 168519

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	12.3	7.0	10.4#

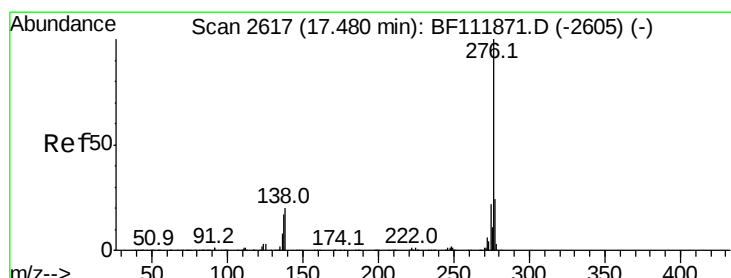
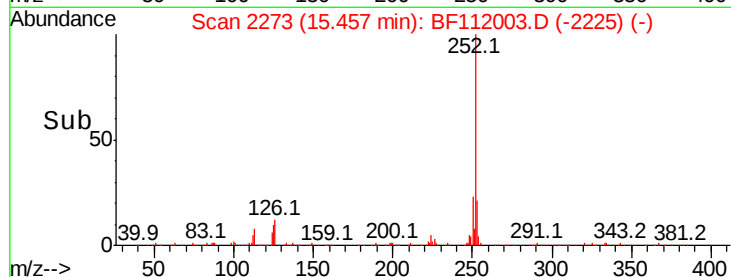
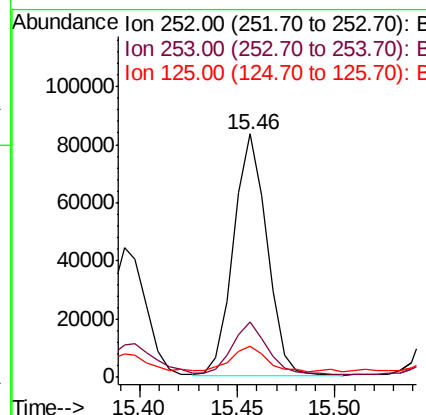
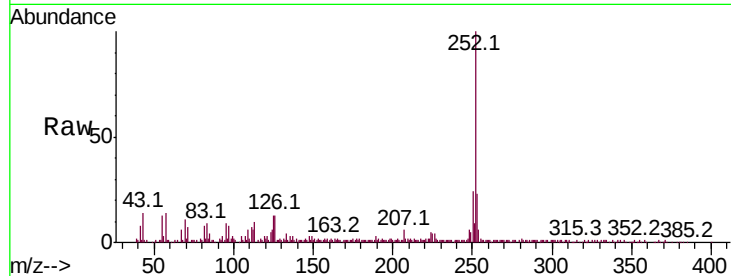




#90
Benzo(a)pyrene
Concen: 10.057 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 98422
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.2
125 12.7 7.9 11.9#



#92
Benzo(g,h,i)perylene
Concen: 7.295 ng
RT: 17.46 min Scan# 2613
Delta R.T. -0.02 min
Lab File: BF112003.D
Acq: 10 Jan 2019 22:27

Tgt Ion:276 Resp: 56162
Ion Ratio Lower Upper
276 100
277 26.2 19.0 28.6
138 21.6 16.2 24.2

