

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF120718\
 Data File : BF111202.D
 Acq On : 7 Dec 2018 22:17
 Operator : JU/SJ
 Sample : J6214-13 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

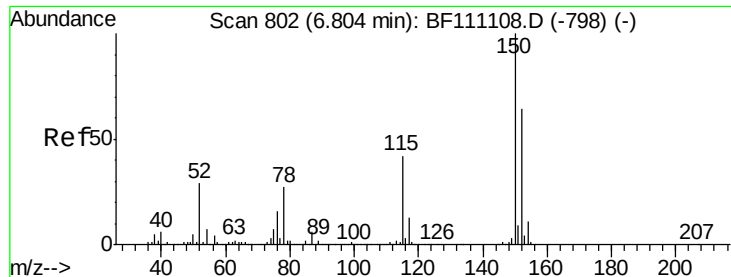
Quant Time: Dec 08 02:53:44 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	516281	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	2003139	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	933128	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1459971	20.00	ng	0.00
76) Chrysene-d12	13.96	240	1063305	20.00	ng	0.01
87) Perylene-d12	15.40	264	1118332	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1575717	47.63	ng	0.00
7) Phenol-d6	6.43	99	2005059	47.05	ng	0.00
23) Nitrobenzene-d5	7.36	82	1210087	35.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	349784	47.16	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	1913945	28.39	ng	0.00
79) Terphenyl-d14	12.90	244	1325516	25.53	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	4894	Below Cal	#	5
10) Phenol	6.44	94	136450	2.936	ng	93
19) n-Nitroso-di-n-propylamine	7.36	70	158448	5.532	ng	# 74
25) Isophorone	7.36	82	1204868	19.404	ng	# 65
49) Acenaphthylene	9.70	152	168759	2.034	ng	# 92
50) Dimethylphthalate	9.55	163	239371	3.686	ng	99
51) 2,6-Dinitrotoluene	9.84	165	127745	9.278	ng	# 26
52) Acenaphthene	9.87	154	189946	3.465	ng	98
54) 2,4-Dinitrophenol	10.13	184	115	6.628	ng	# 18
55) Dibenzofuran	10.04	168	380191	5.036	ng	92
56) 4-Nitrophenol	10.04	139	139236	10.683	ng	# 7
57) 2,4-Dinitrotoluene	9.84	165	127745	7.184	ng	# 23
58) Fluorene	10.39	166	395735	7.433	ng	98
71) Phenanthrene	11.35	178	3744492	53.320	ng	100
72) Anthracene	11.40	178	1009586	14.262	ng	95
73) Carbazole	11.54	167	305612	4.149	ng	94
75) Fluoranthene	12.54	202	3719480	54.126	ng	98
78) Pyrene	12.76	202	3323417	40.119	ng	99
81) Benzo(a)anthracene	13.95	228	1709296	27.437	ng	99
83) Chrysene	13.99	228	1577716	25.510	ng	97
86) Indeno(1,2,3-cd)pyrene	16.80	276	675785	13.609	ng	# 90
88) Benzo(b)fluoranthene	14.99	252	2715079	42.845	ng	98
89) Benzo(k)fluoranthene	14.99	252	2715079	44.320	ng	98
90) Benzo(a)pyrene	15.34	252	1420162	24.433	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	133309	2.733	ng	93
92) Benzo(g,h,i)perylene	17.23	276	434666	8.868	ng	97

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

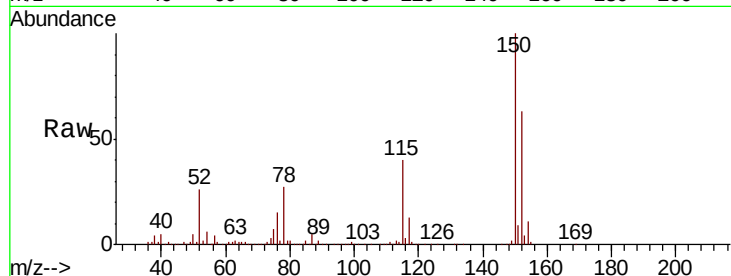


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	187.0
115	62.3	52.2	78.2

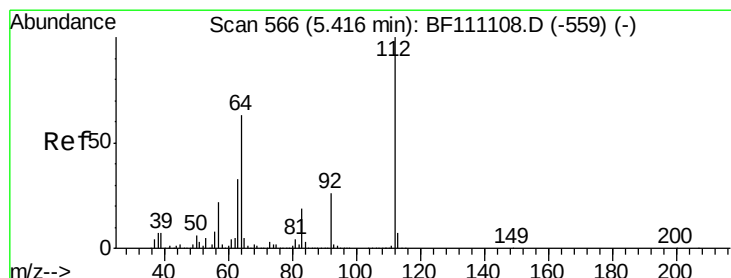
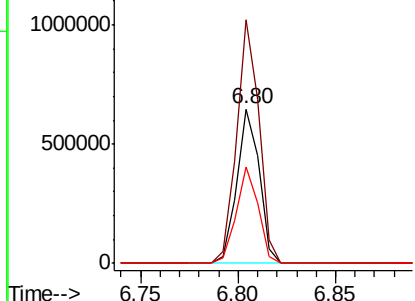
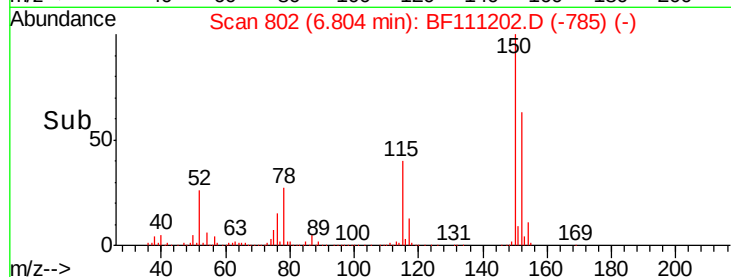


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

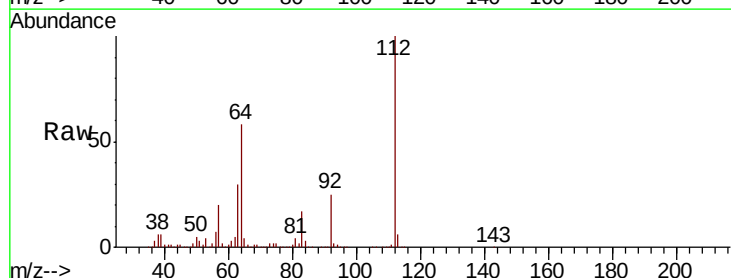
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.626 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	50.2	75.4
63	30.1	26.6	39.8

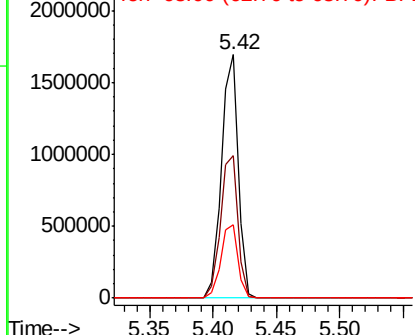
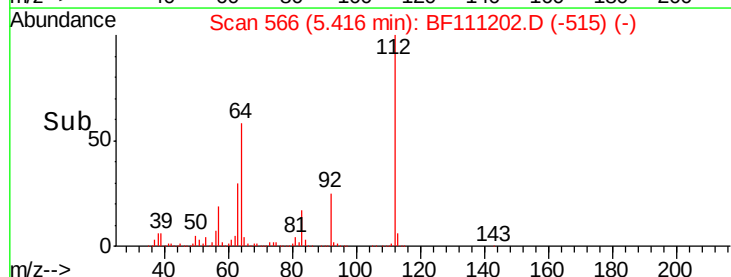


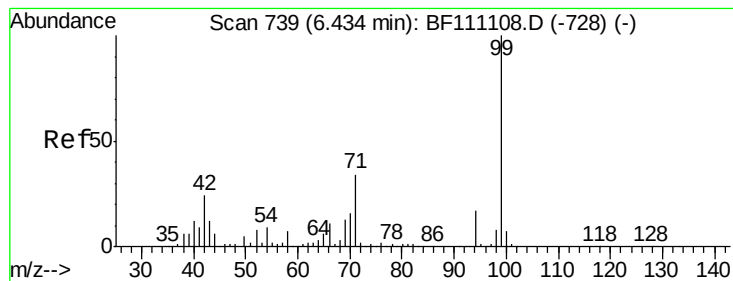
Abundance

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: 47.045 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

Instrument :

BNA_F

ClientSampleId :

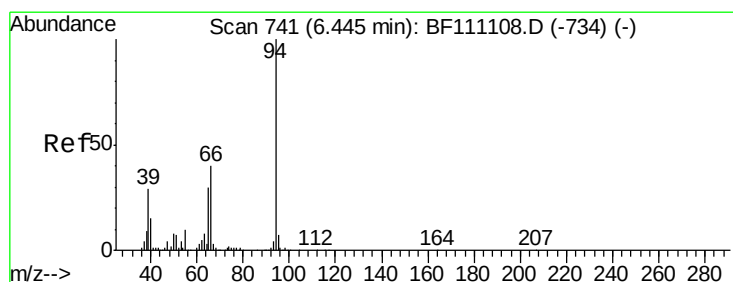
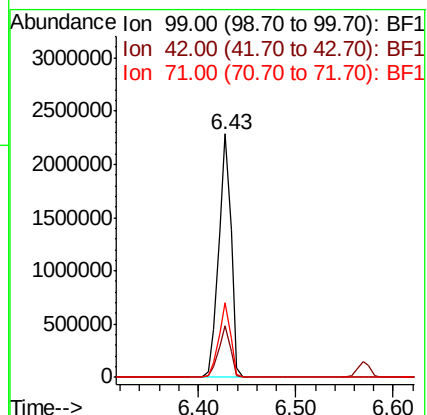
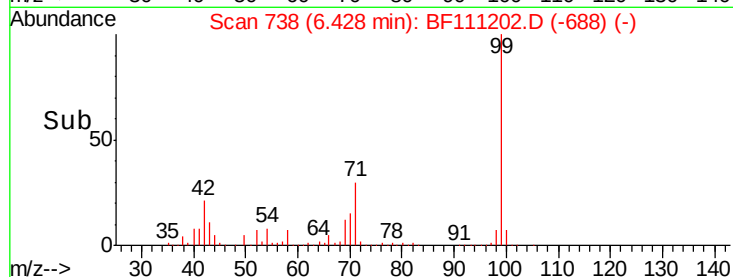
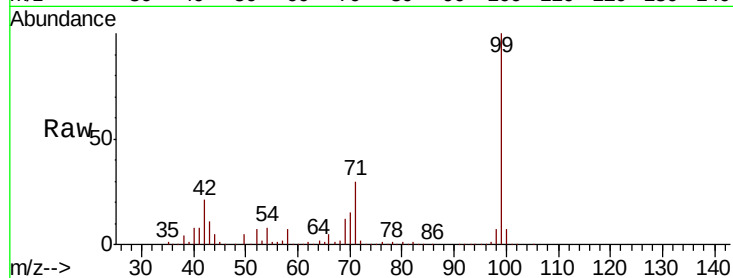
Tgt Ion: 99 Resp: 2005059

Ion Ratio Lower Upper

99 100

42 21.5 19.3 28.9

71 30.5 27.4 41.2



#10

Phenol

Concen: 2.936 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

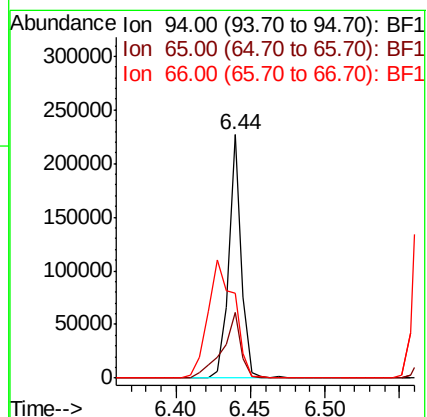
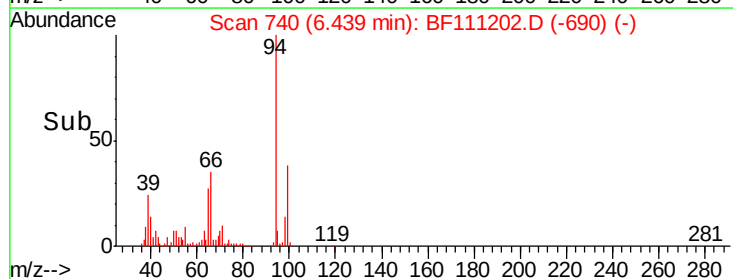
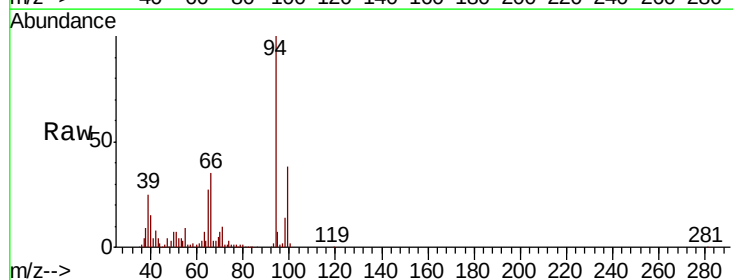
Tgt Ion: 94 Resp: 136450

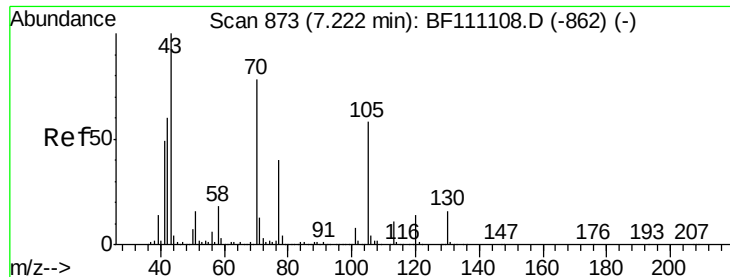
Ion Ratio Lower Upper

94 100

65 27.0 10.5 50.5

66 34.8 19.8 59.8

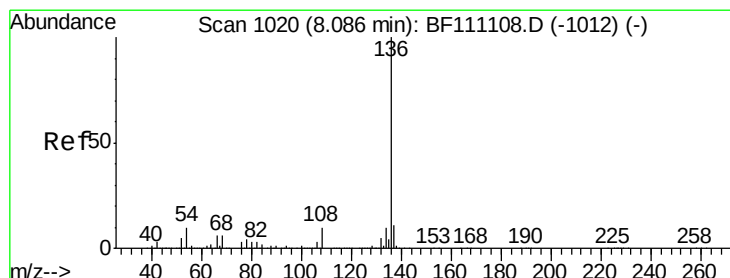
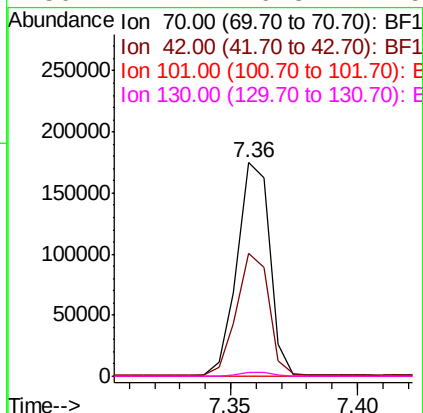
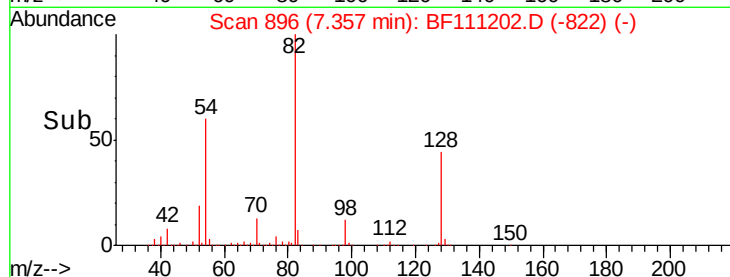
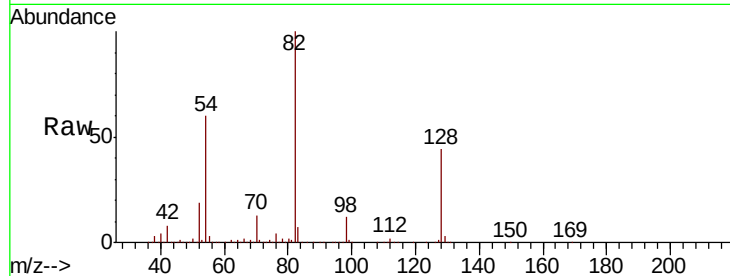




#19
n-Nitroso-di-n-propylamine
Concen: 5.532 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

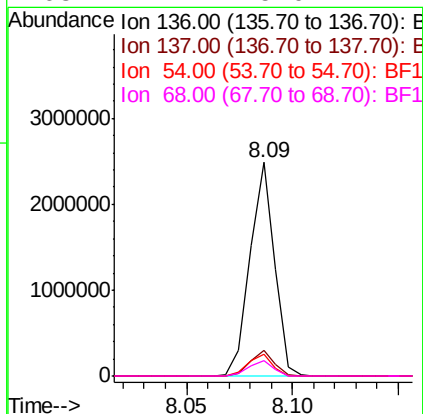
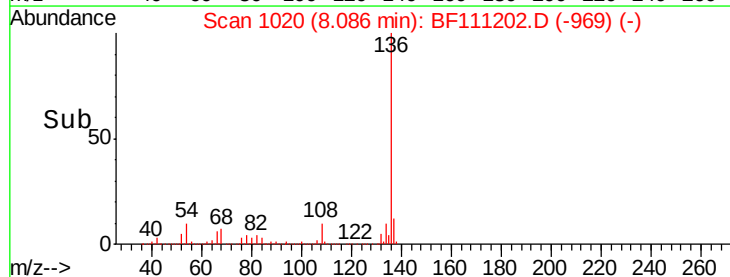
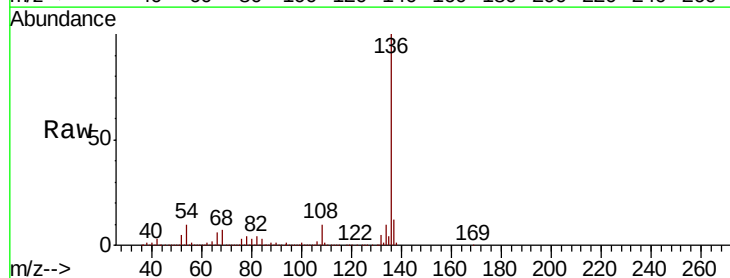
Instrument :
BNA_F
ClientSampleId :

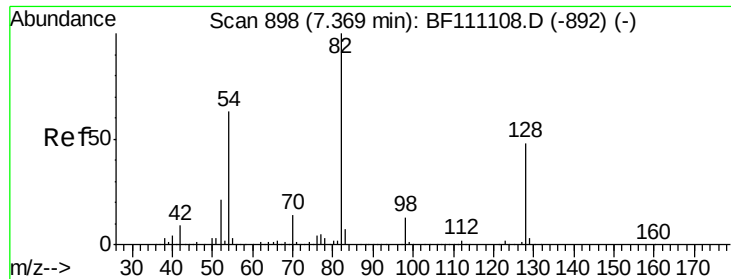
Tgt Ion: 70 Resp: 158448
Ion Ratio Lower Upper
70 100
42 57.8 61.3 91.9#
101 0.0 7.7 11.5#
130 1.7 16.3 24.5#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion:136 Resp: 2003139
Ion Ratio Lower Upper
136 100
137 12.0 9.0 13.6
54 10.5 8.4 12.6
68 7.1 5.0 7.4

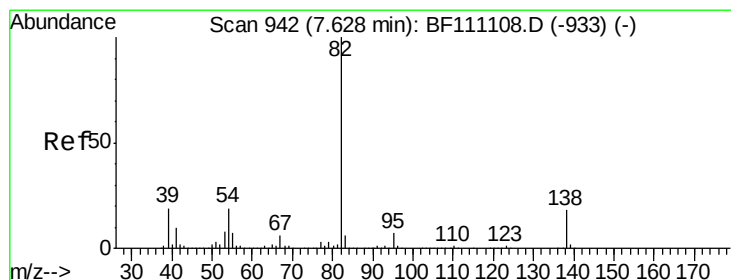
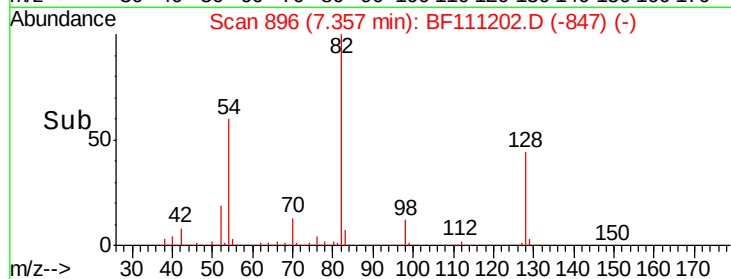
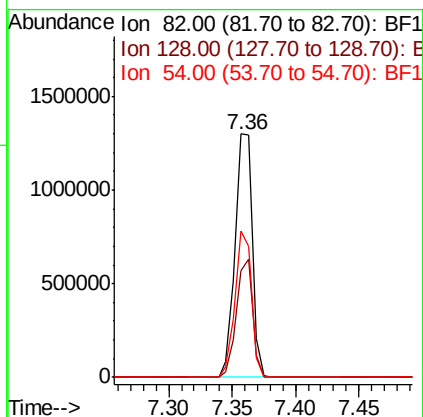
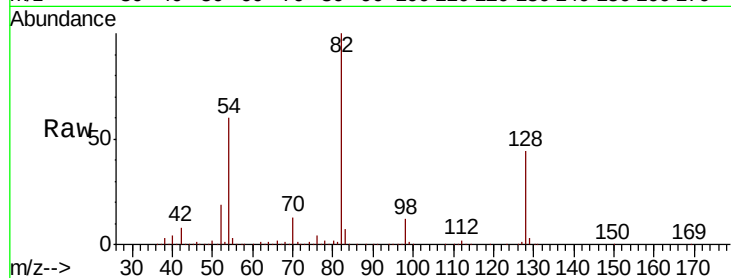




#23
 Nitrobenzene-d5
 Concen: 35.765 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.01 min
 Lab File: BF111202.D
 Acq: 7 Dec 2018 22:17

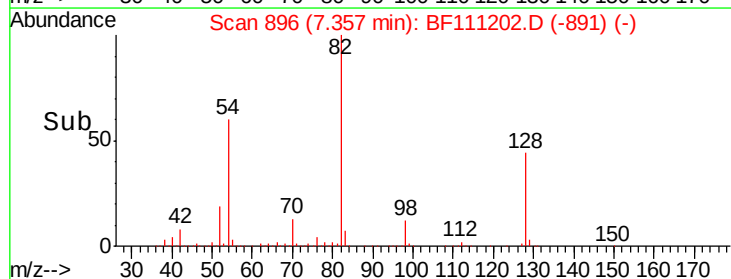
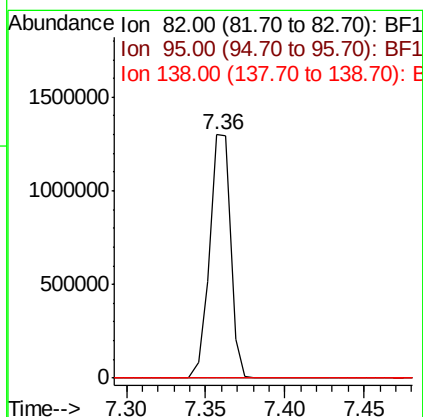
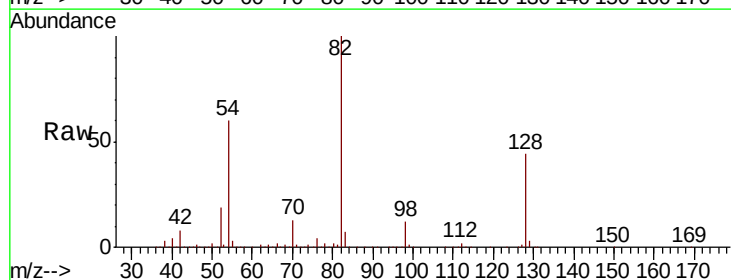
Instrument :
 BNA_F
 ClientSampleId :

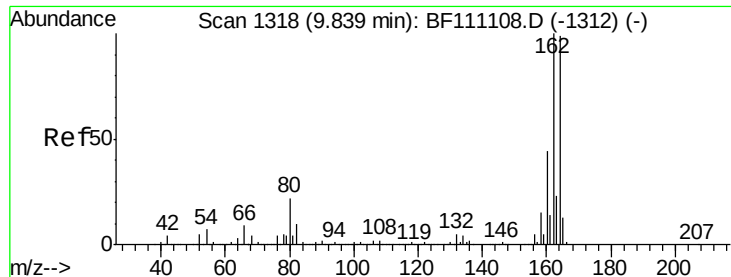
Tgt Ion: 82 Resp: 1210087
 Ion Ratio Lower Upper
 82 100
 128 43.9 38.1 57.1
 54 60.1 50.3 75.5



#25
 Isophorone
 Concen: 19.404 ng
 RT: 7.36 min Scan# 896
 Delta R.T. -0.27 min
 Lab File: BF111202.D
 Acq: 7 Dec 2018 22:17

Tgt Ion: 82 Resp: 1204868
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.6 8.4#
 138 0.0 14.6 22.0#

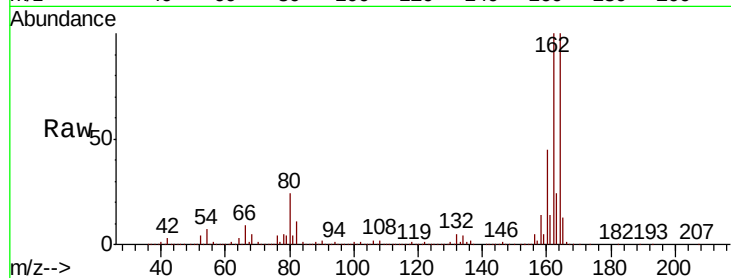




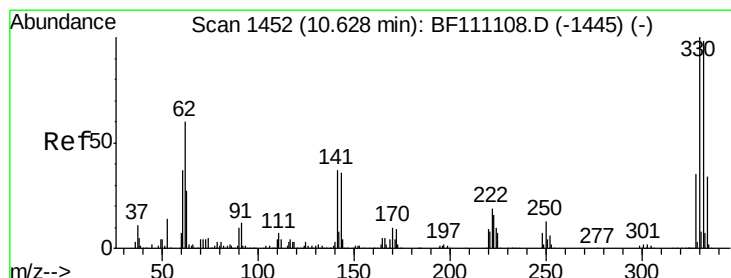
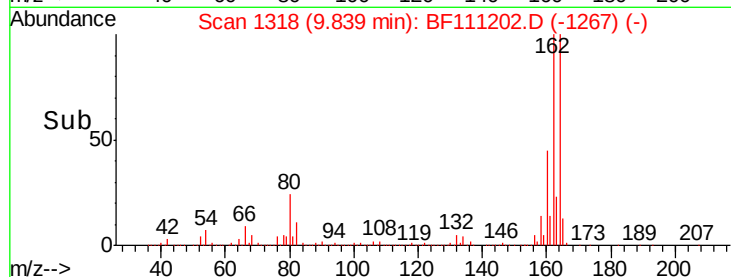
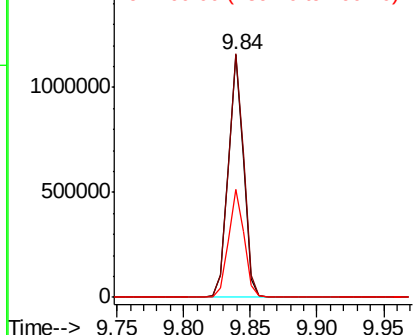
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 933128
Ion Ratio Lower Upper
164 100
162 100.2 80.6 120.8
160 44.6 35.5 53.3

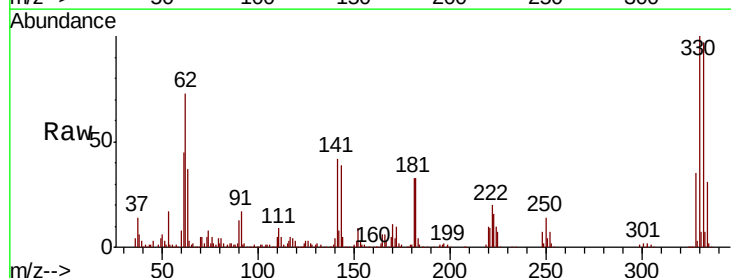


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

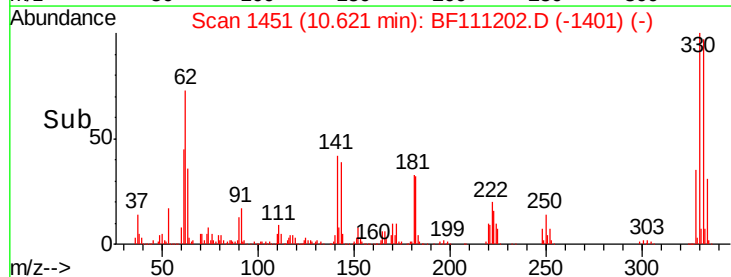
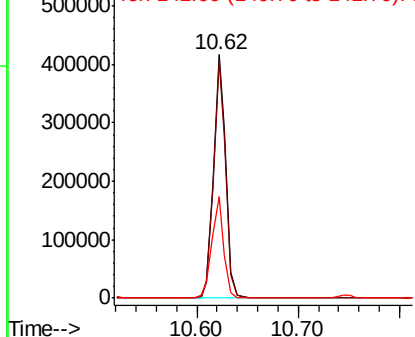


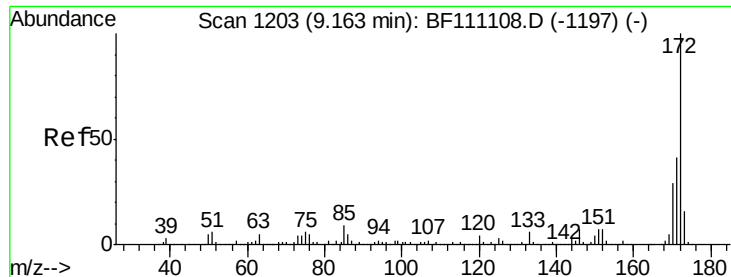
#42
2,4,6-Tribromophenol
Concen: 47.158 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion:330 Resp: 349784
Ion Ratio Lower Upper
330 100
332 95.9 77.2 115.8
141 39.9 36.1 54.1



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

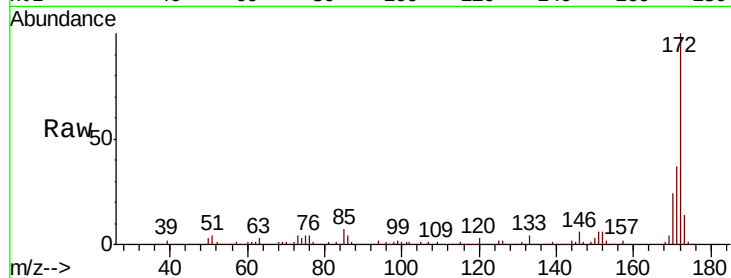




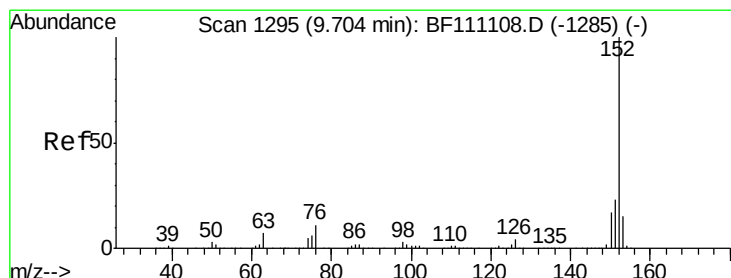
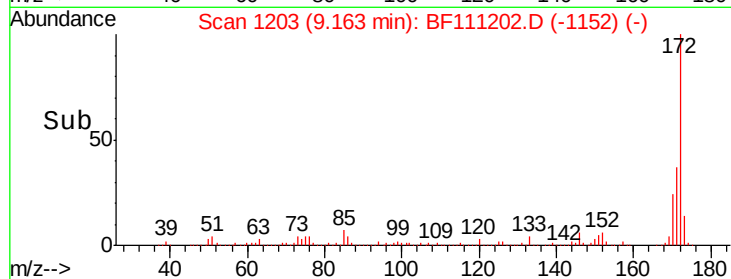
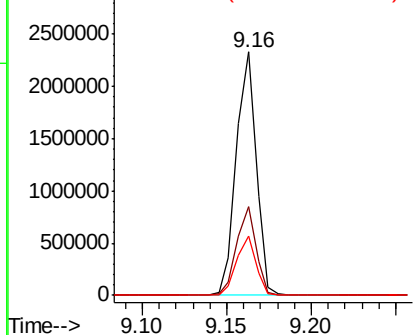
#45
2-Fluorobiphenyl
Concen: 28.395 ng
RT: 9.16 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 1913945
Ion Ratio Lower Upper
172 100
171 36.5 33.2 49.8
170 24.3 22.9 34.3

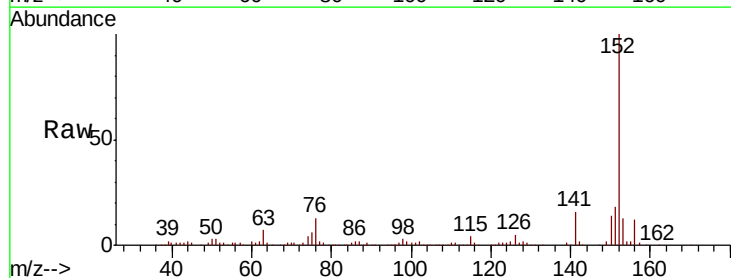


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

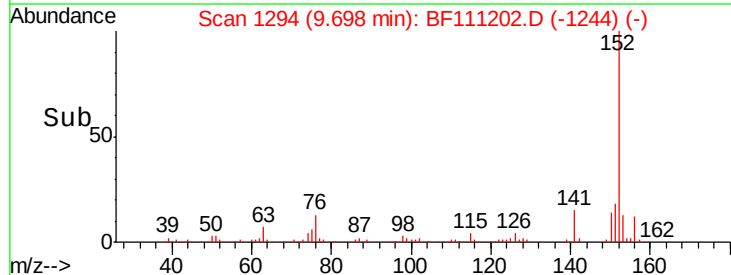
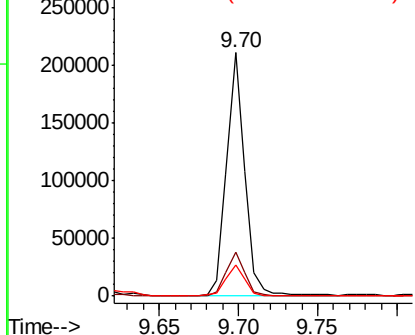


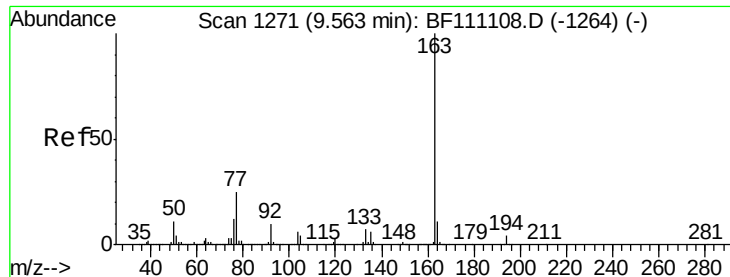
#49
Acenaphthylene
Concen: 2.034 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion:152 Resp: 168759
Ion Ratio Lower Upper
152 100
151 18.0 18.3 27.5#
153 12.9 11.8 17.8



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

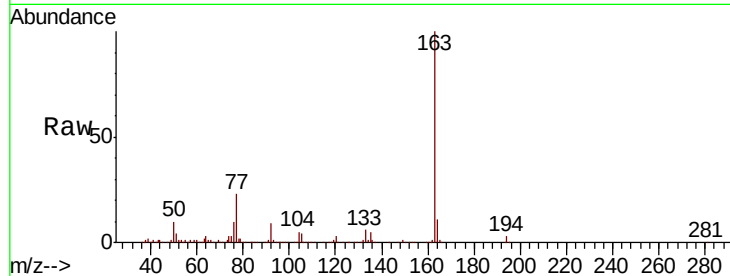




#50
Dimethylphthalate
Concen: 3.686 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	10.6	8.9	13.3

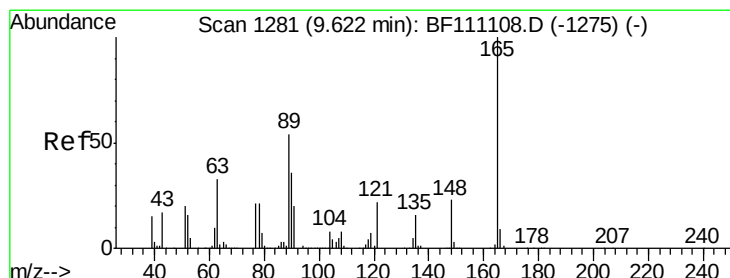
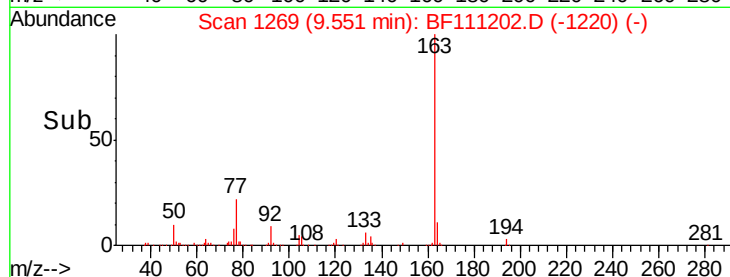
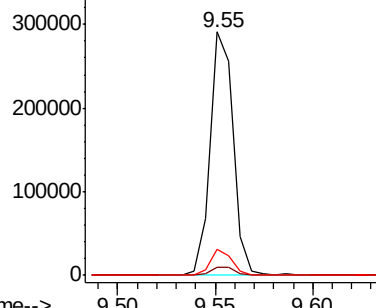


Abundance

Ion 163.00 (162.70 to 163.70): E

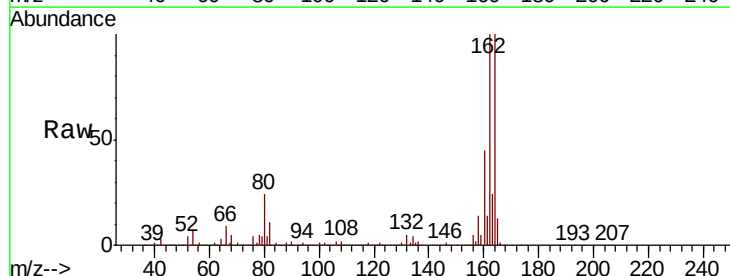
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51
2,6-Dinitrotoluene
Concen: 9.278 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.22 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	44.7	67.1#
89	1.2	43.0	64.4#

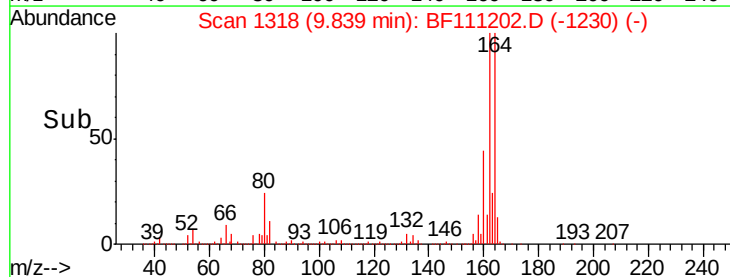
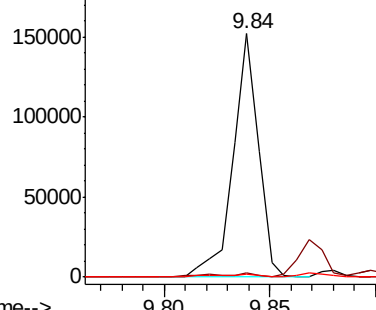


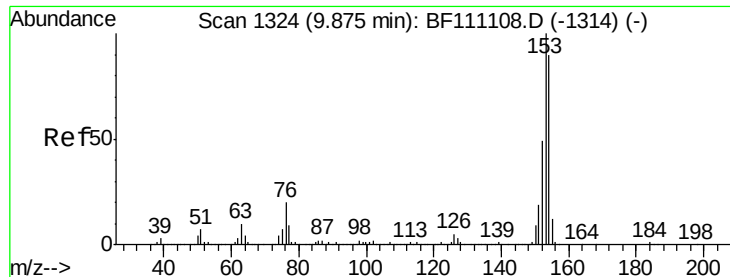
Abundance

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





#52

Acenaphthene

Concen: 3.465 ng

RT: 9.87 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

Instrument :

BNA_F

ClientSampleId :

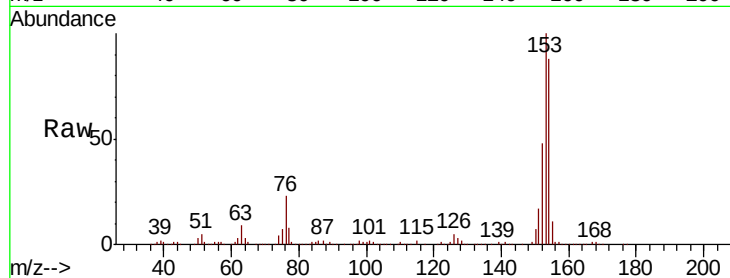
Tgt Ion:154 Resp: 189946

Ion Ratio Lower Upper

154 100

153 113.7 88.7 133.1

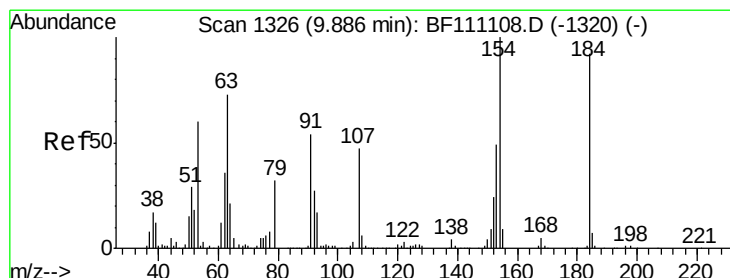
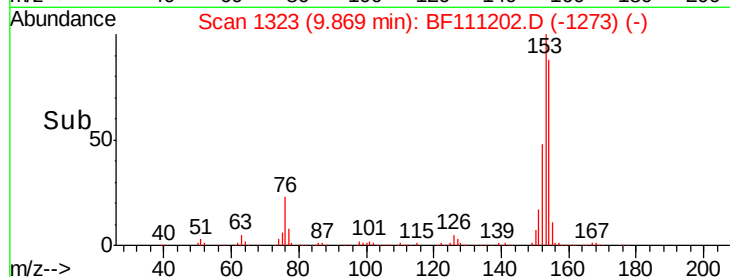
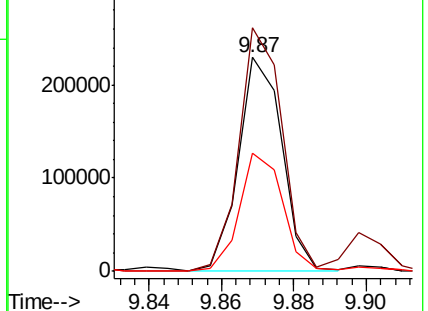
152 54.9 43.8 65.8



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



#54

2,4-Dinitrophenol

Concen: 6.628 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.24 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

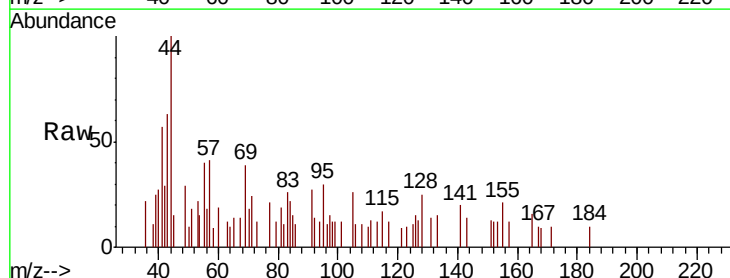
Tgt Ion:184 Resp: 115

Ion Ratio Lower Upper

184 100

63 125.2 64.2 96.4#

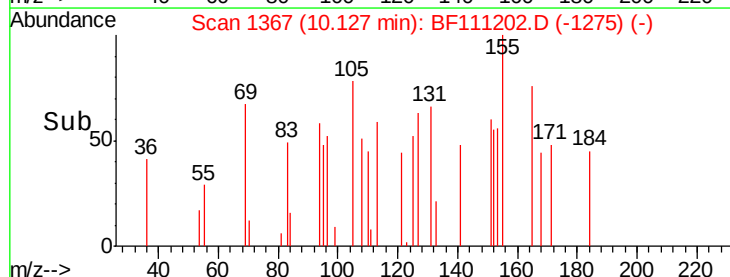
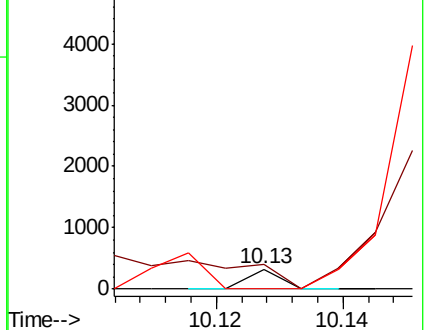
154 0.0 89.5 134.3#

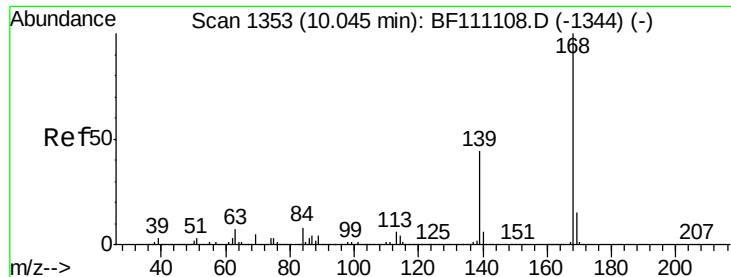


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

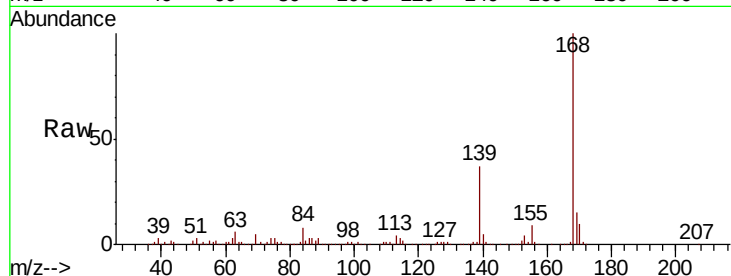




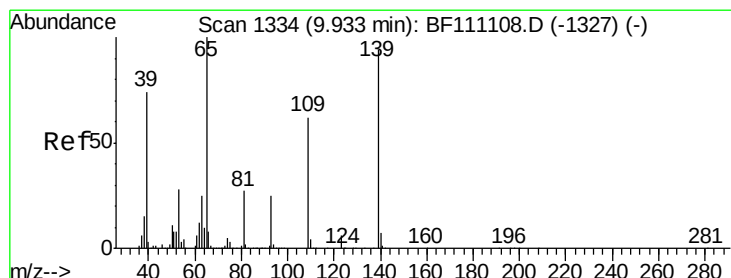
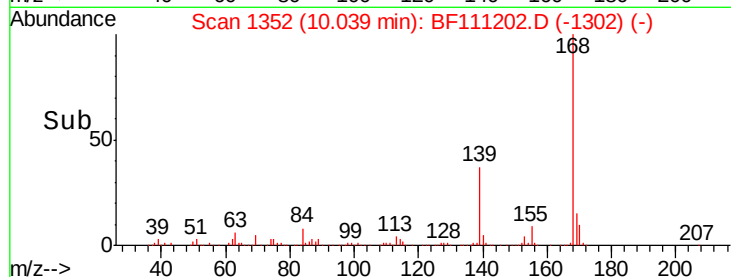
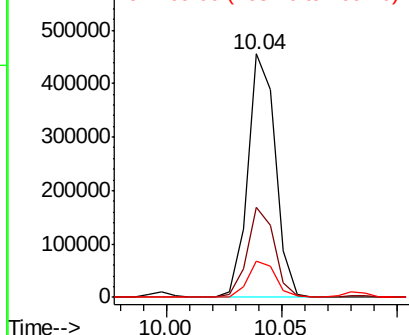
#55
Dibenzofuran
Concen: 5.036 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 380191
Ion Ratio Lower Upper
168 100
139 37.2 35.1 52.7
169 15.0 12.2 18.4

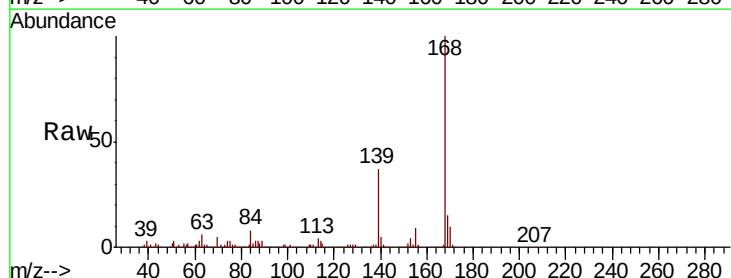


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

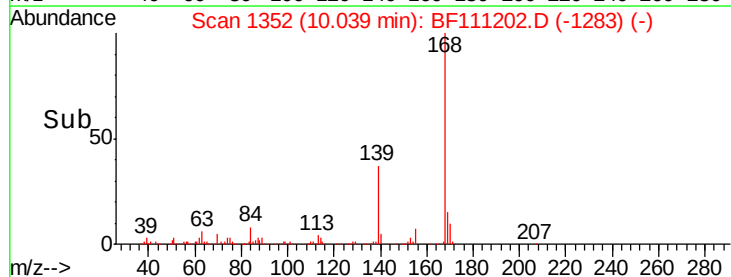
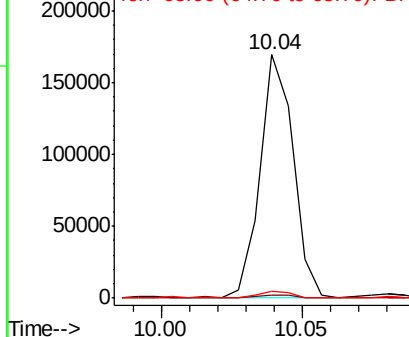


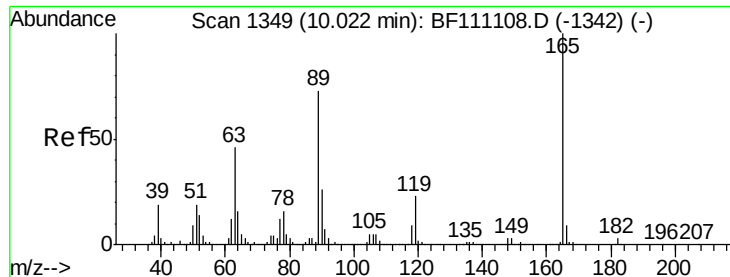
#56
4-Nitrophenol
Concen: 10.683 ng
RT: 10.04 min Scan# 1352
Delta R.T. 0.11 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion:139 Resp: 139236
Ion Ratio Lower Upper
139 100
109 1.4 46.1 86.1#
65 2.8 87.0 127.0#



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

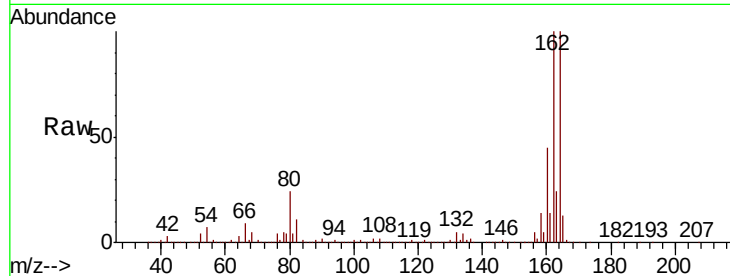




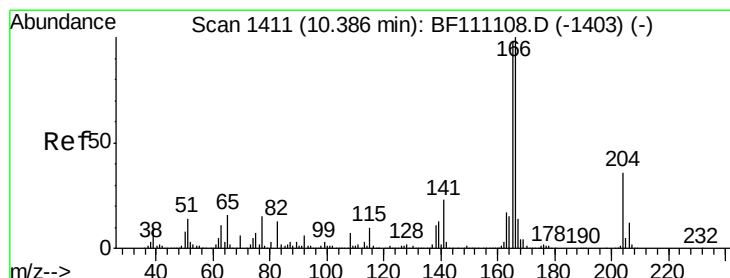
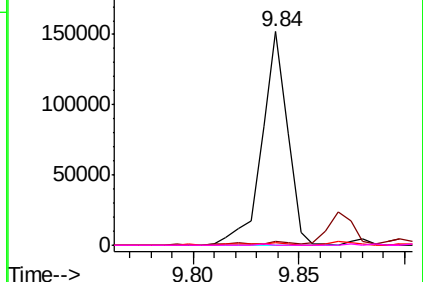
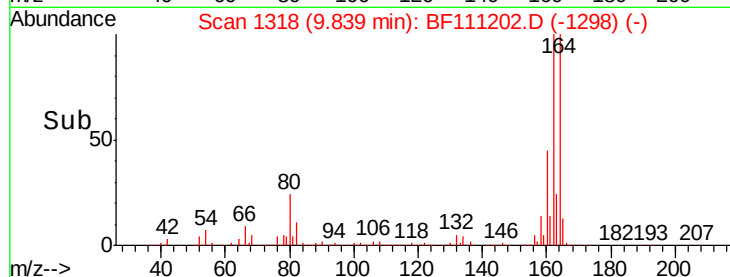
#57
2,4-Dinitrotoluene
Concen: 7.184 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.18 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	36.7	55.1#
89	1.2	58.4	87.6#
182	0.3	2.1	3.1#

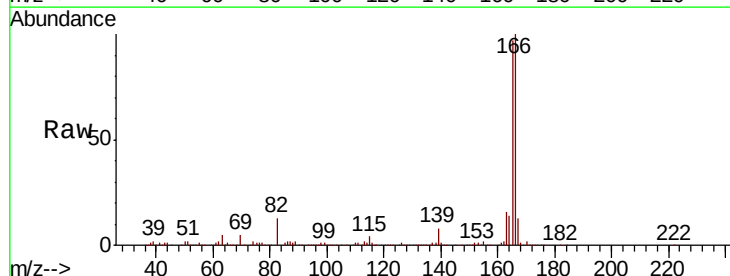


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

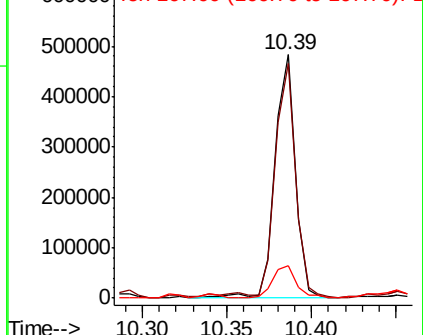
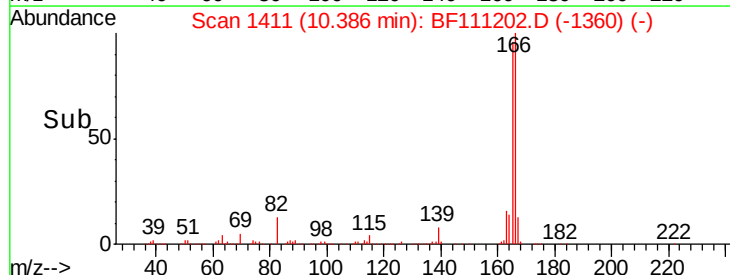


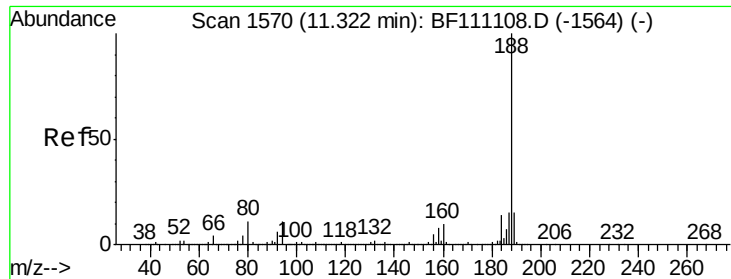
#58
Fluorene
Concen: 7.433 ng
RT: 10.39 min Scan# 1411
Delta R.T. -0.00 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.4	117.6
167	13.1	11.4	17.2



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: 11.32 min Scan# 1570

Delta R.T. -0.00 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

Instrument :

BNA_F

ClientSampled :

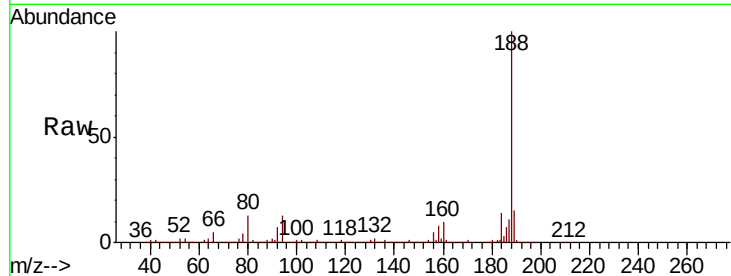
Tgt Ion:188 Resp: 1459971

Ion Ratio Lower Upper

188 100

94 12.8 8.5 12.7#

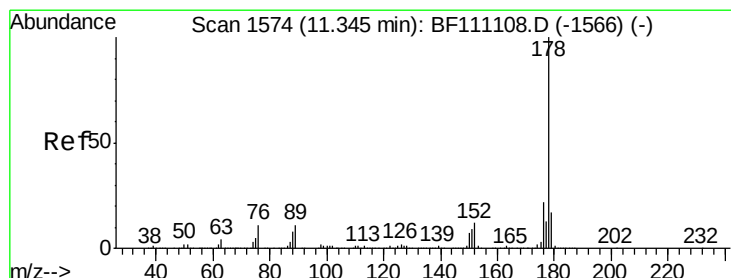
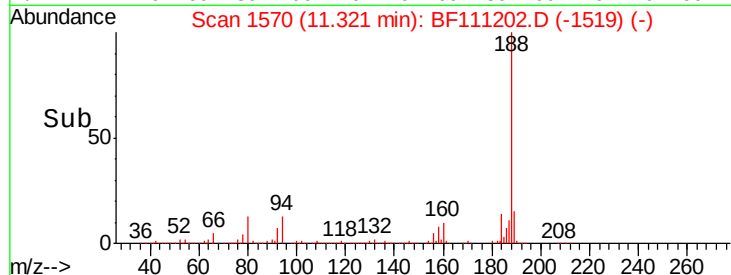
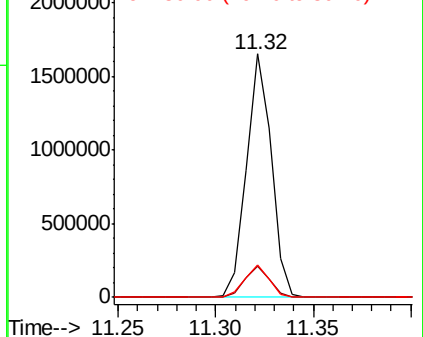
80 13.5 9.0 13.6



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: 53.320 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

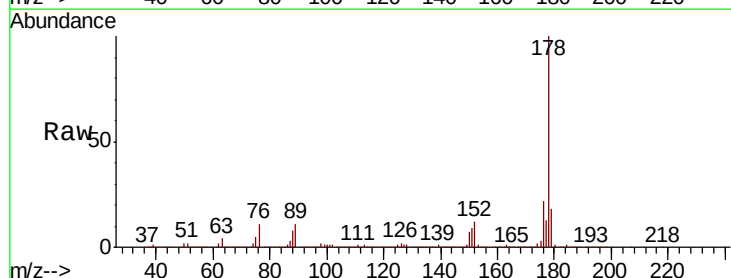
Tgt Ion:178 Resp: 3744492

Ion Ratio Lower Upper

178 100

176 22.2 17.7 26.5

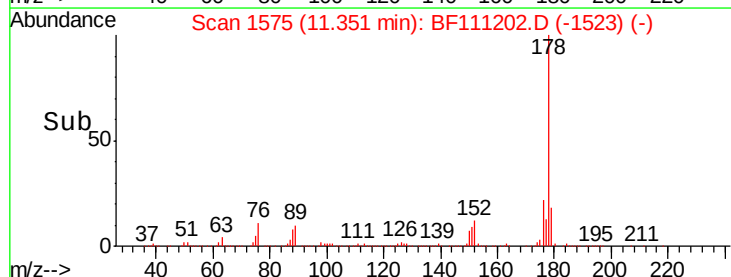
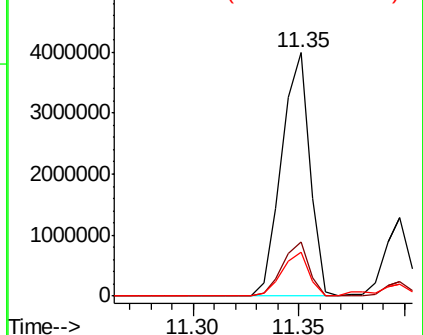
179 17.9 14.0 21.0

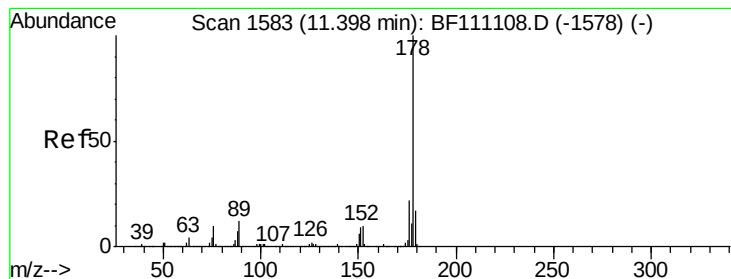


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 14.262 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

Instrument :

BNA_F

ClientSampleId :

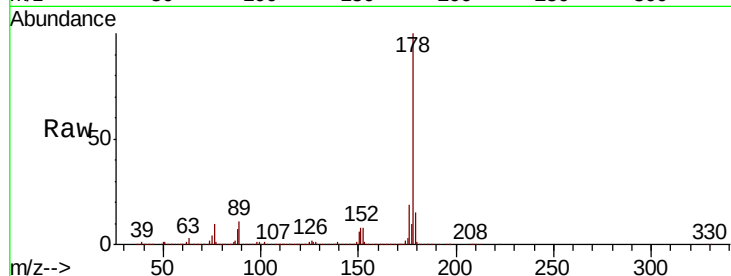
Tgt Ion:178 Resp: 1009586

Ion Ratio Lower Upper

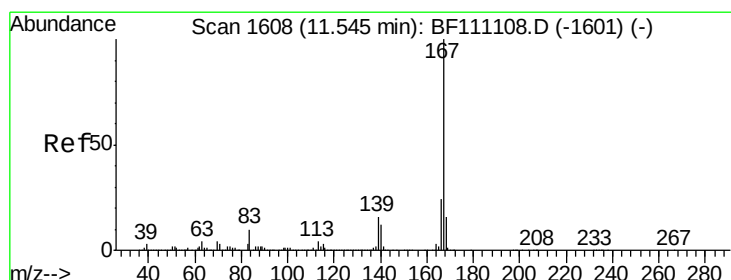
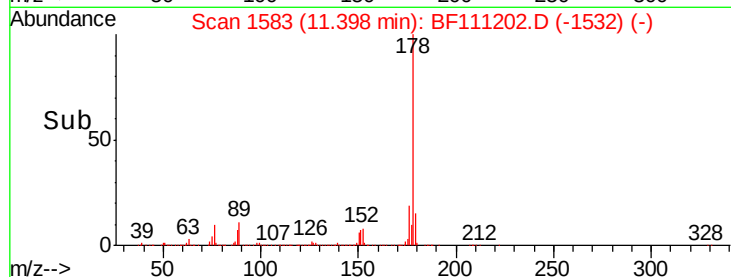
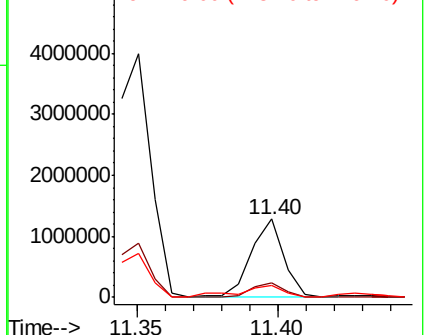
178 100

176 19.2 17.3 25.9

179 15.3 13.8 20.8



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



#73

Carbazole

Concen: 4.149 ng

RT: 11.54 min Scan# 1608

Delta R.T. -0.00 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

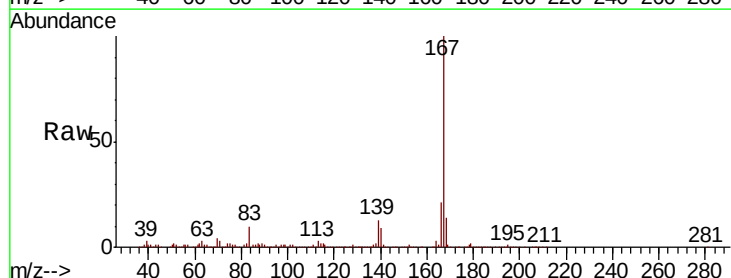
Tgt Ion:167 Resp: 305612

Ion Ratio Lower Upper

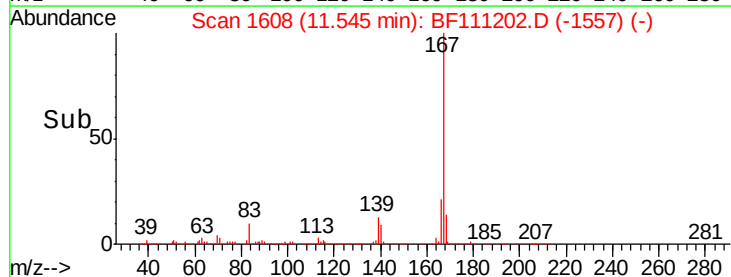
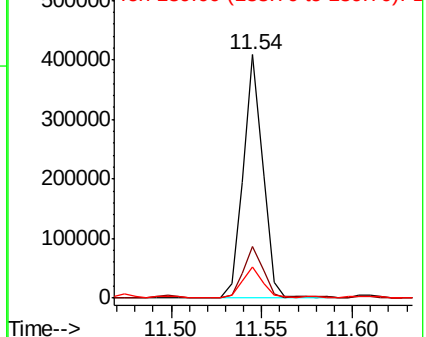
167 100

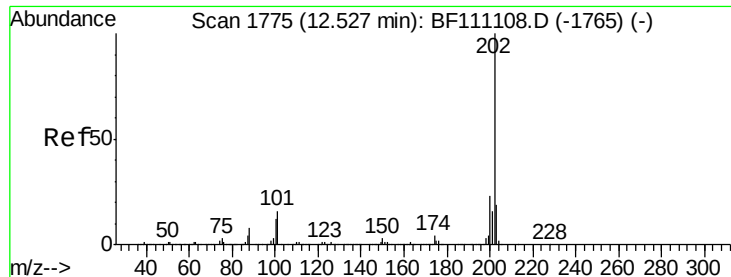
166 21.4 19.4 29.0

139 12.9 12.6 18.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 54.126 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

Instrument :

BNA_F

ClientSampleId :

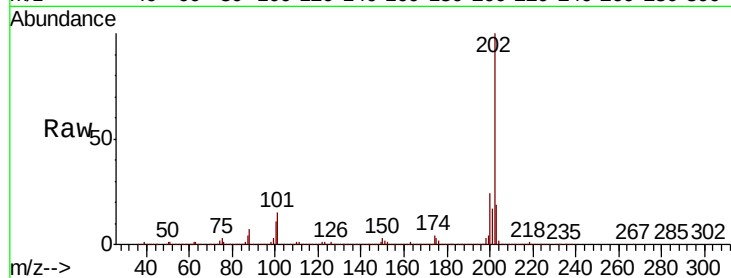
Tgt Ion:202 Resp: 3719480

Ion Ratio Lower Upper

202 100

101 15.3 0.0 35.8

203 19.4 0.0 38.6

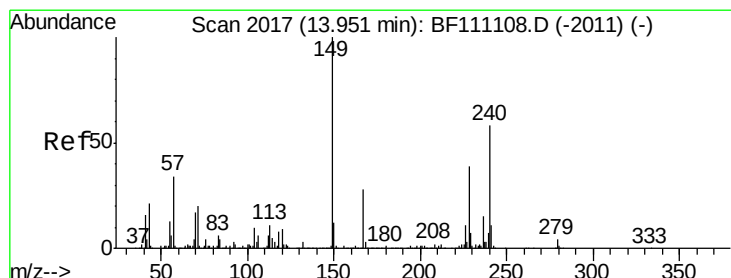
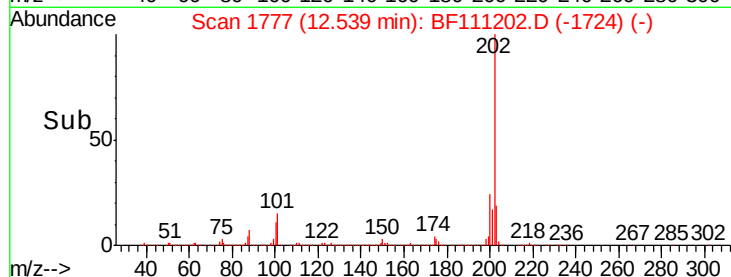
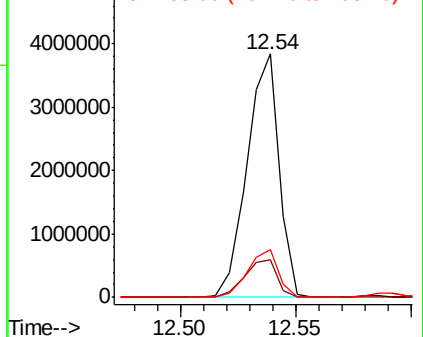


Abundance

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: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

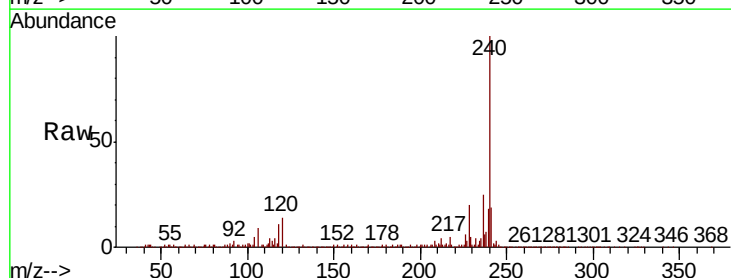
Tgt Ion:240 Resp: 1063305

Ion Ratio Lower Upper

240 100

120 13.8 12.8 19.2

236 25.4 21.1 31.7

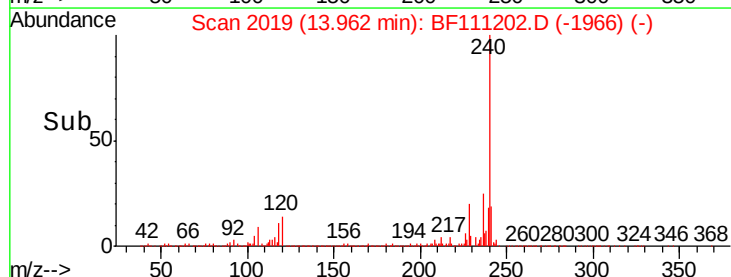
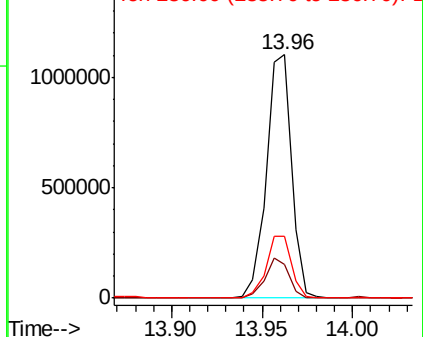


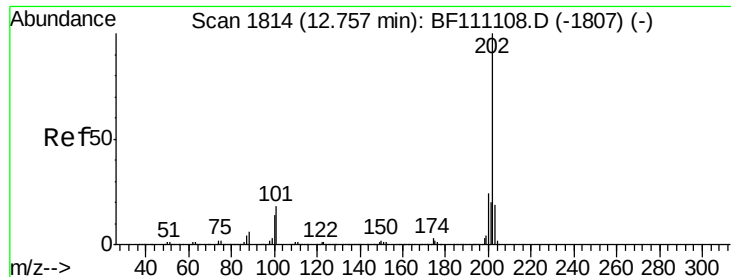
Abundance

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

Pyrene

Concen: 40.119 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

Instrument :

BNA_F

ClientSampleId :

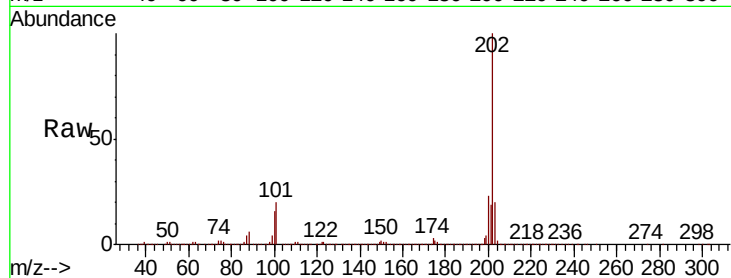
Tgt Ion:202 Resp: 3323417

Ion Ratio Lower Upper

202 100

200 23.4 19.3 28.9

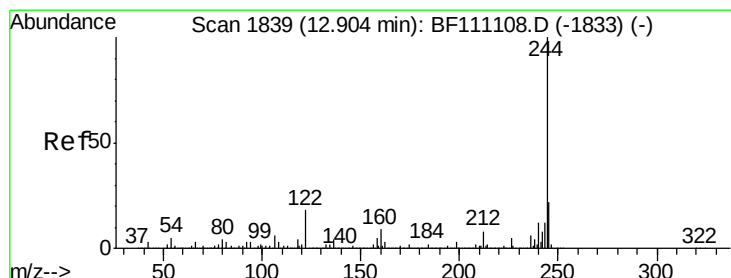
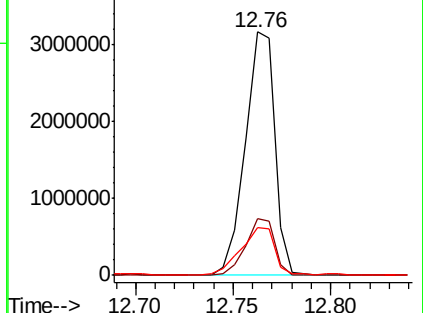
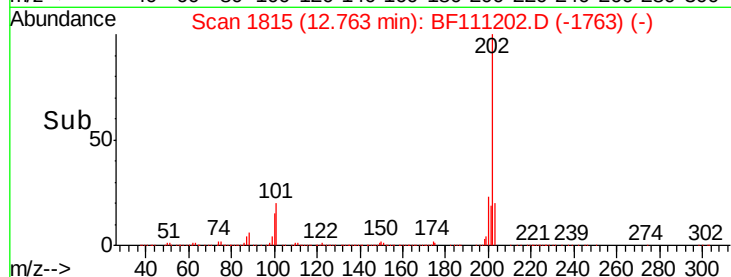
203 19.7 15.4 23.2



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: 25.530 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

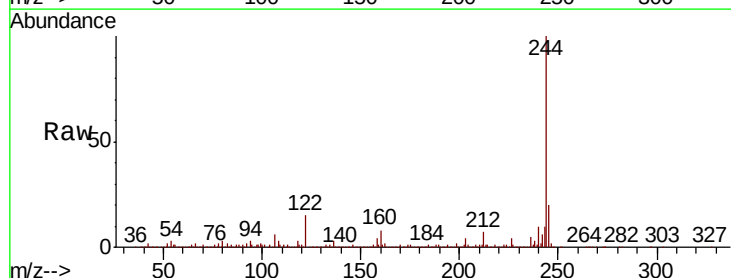
Tgt Ion:244 Resp: 1325516

Ion Ratio Lower Upper

244 100

212 6.8 6.6 9.8

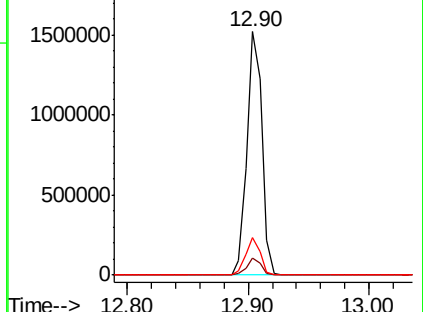
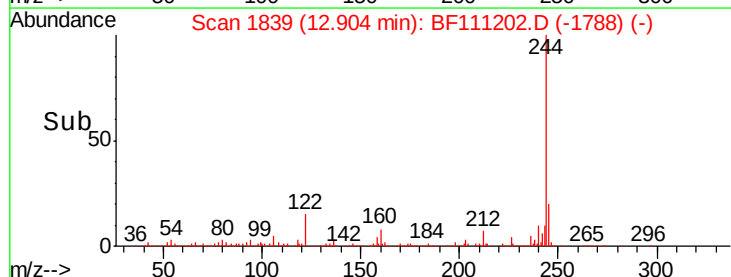
122 15.3 14.2 21.2

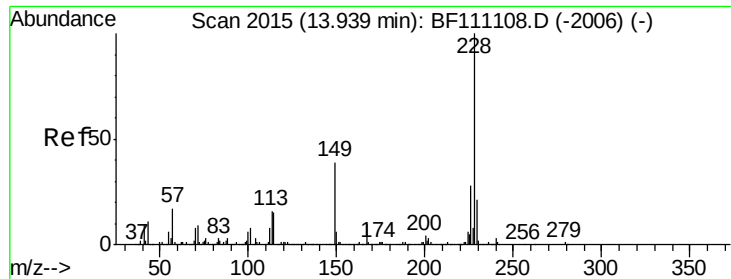


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

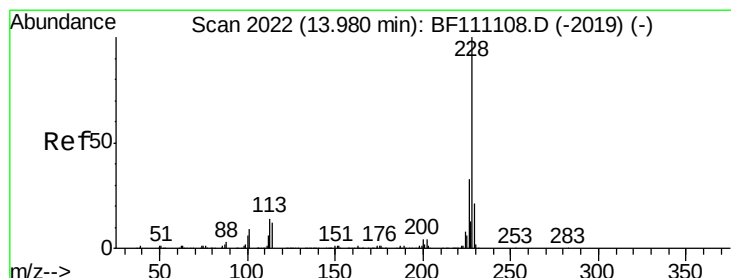
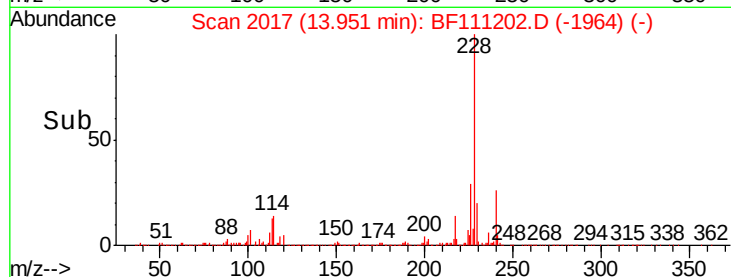
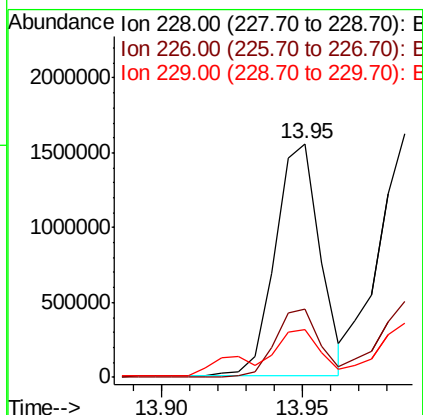
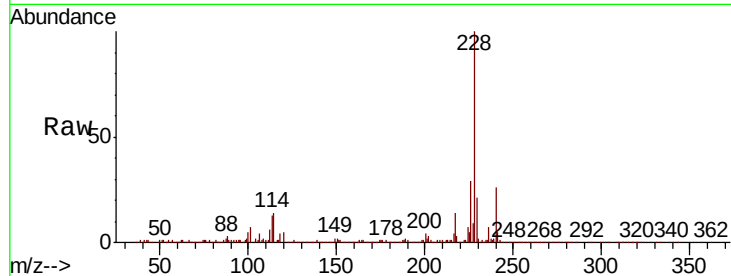




#81
Benzo(a)anthracene
Concen: 27.437 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

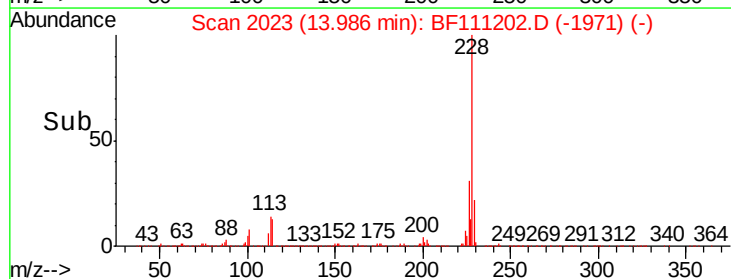
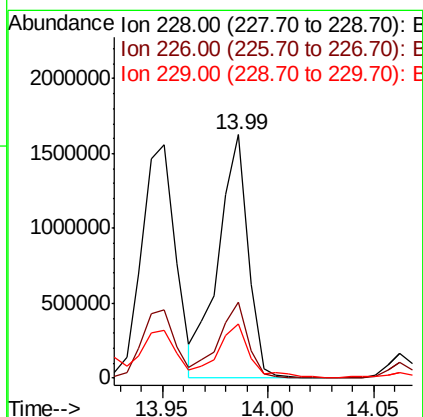
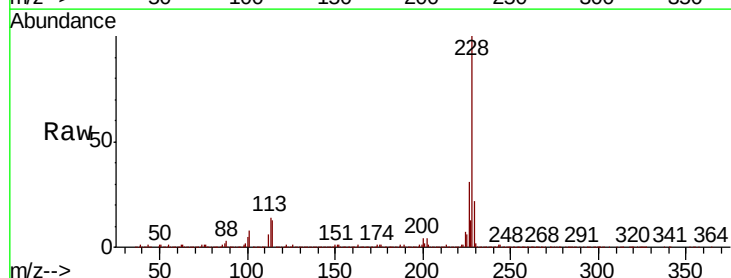
Instrument :
BNA_F
ClientSampleId :

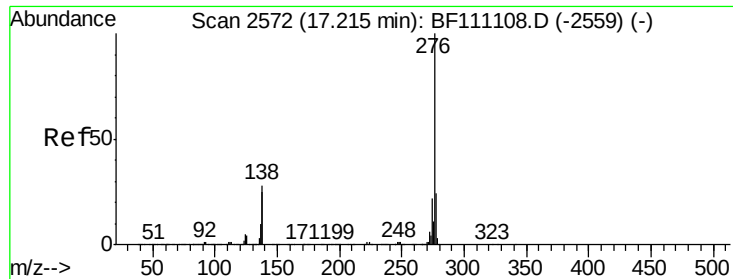
Tgt Ion:228 Resp: 1709296
Ion Ratio Lower Upper
228 100
226 28.9 22.6 34.0
229 20.5 16.7 25.1



#83
Chrysene
Concen: 25.510 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion:228 Resp: 1577716
Ion Ratio Lower Upper
228 100
226 31.4 26.2 39.2
229 22.4 16.9 25.3

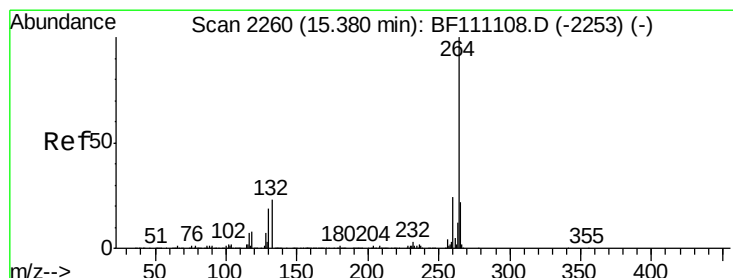
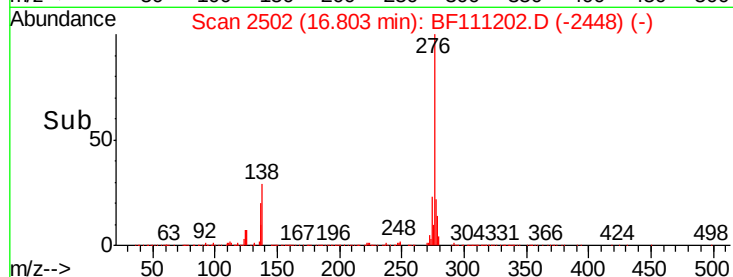
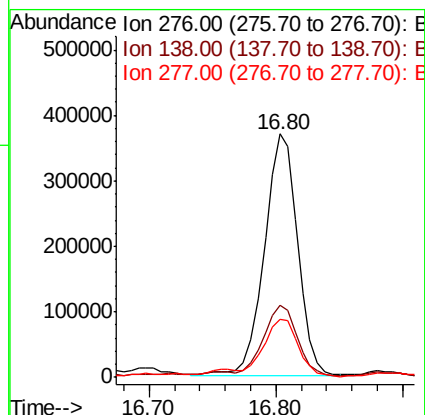
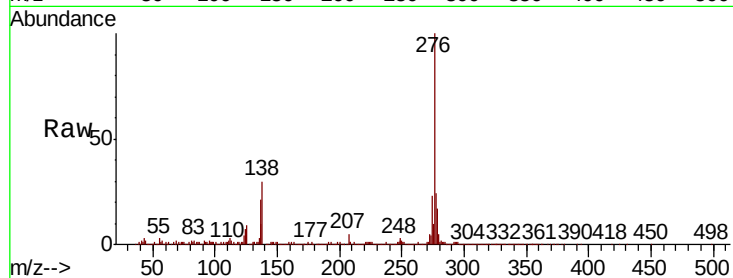




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 13.609 ng
 RT: 16.80 min Scan# 2502
 Delta R.T. 0.02 min
 Lab File: BF111202.D
 Acq: 7 Dec 2018 22:17

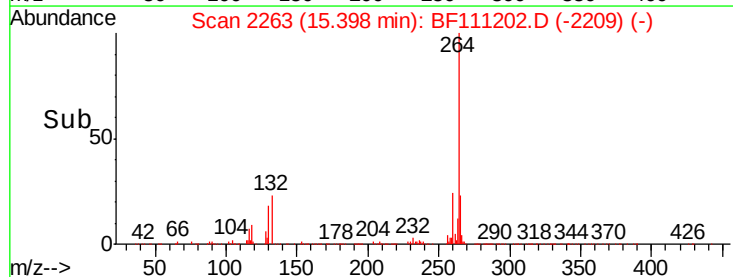
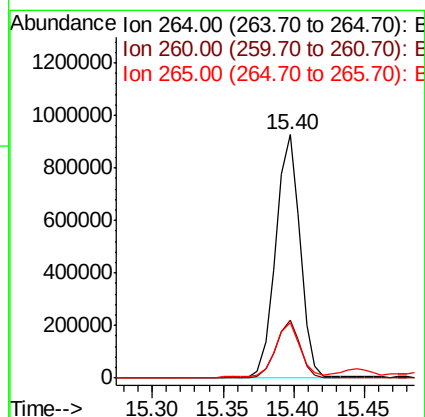
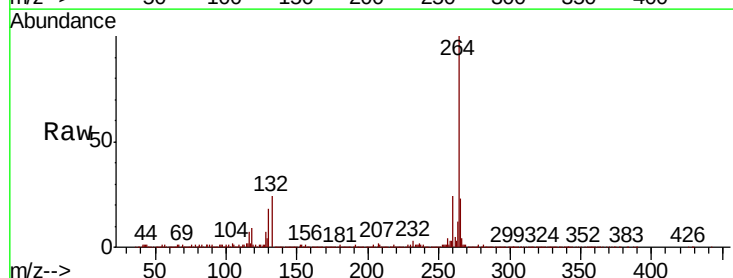
Instrument :
 BNA_F
 ClientSampleId :

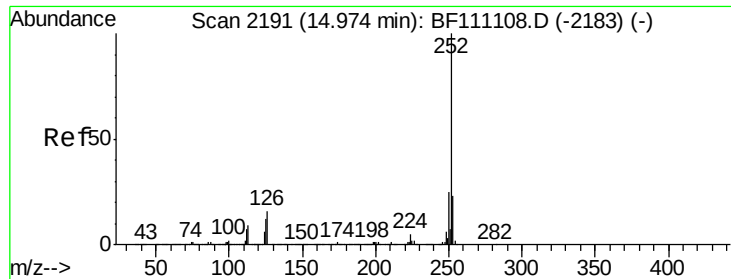
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.6	20.2	30.4#
277	24.2	15.8	23.6#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.40 min Scan# 2263
 Delta R.T. 0.02 min
 Lab File: BF111202.D
 Acq: 7 Dec 2018 22:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	23.0	17.4	26.0

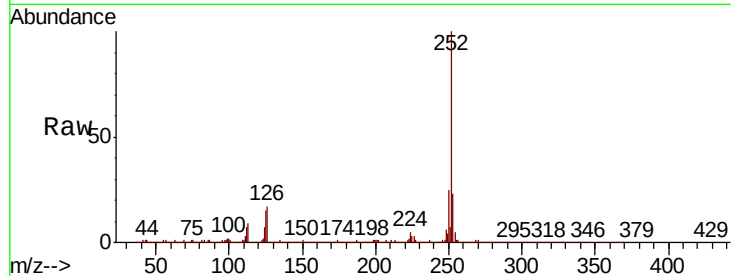




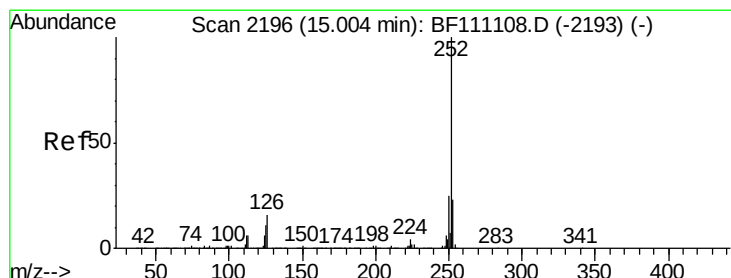
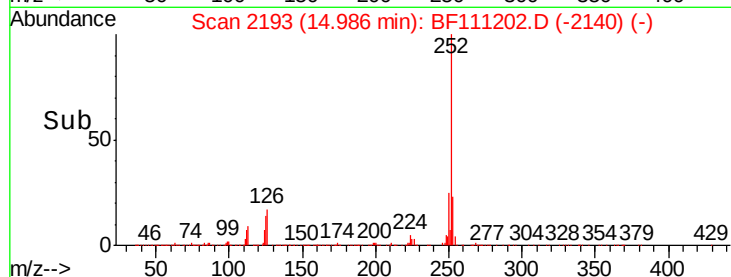
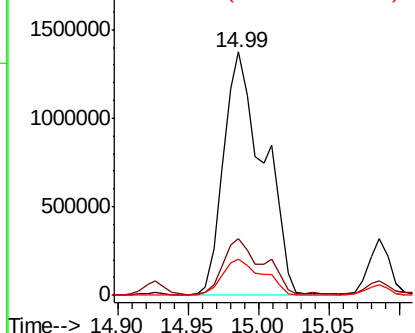
#88
Benzo(b)fluoranthene
Concen: 42.845 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 2715079
Ion Ratio Lower Upper
252 100
253 23.1 18.5 27.7
125 14.7 9.9 14.9

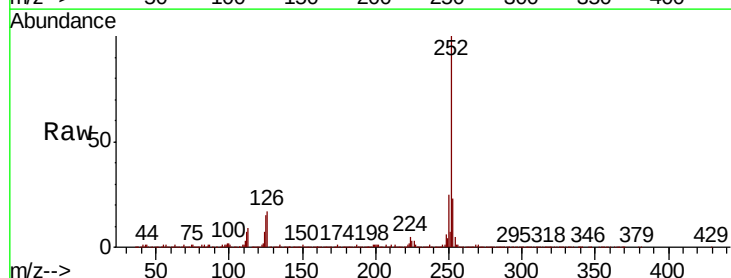


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

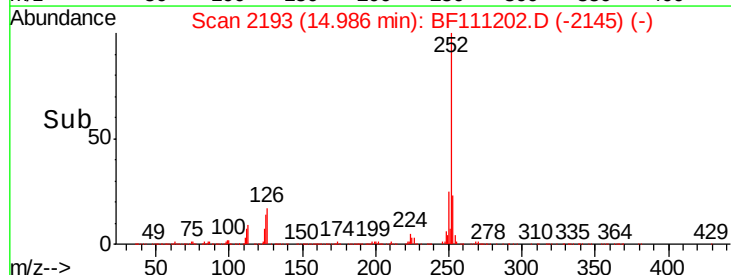
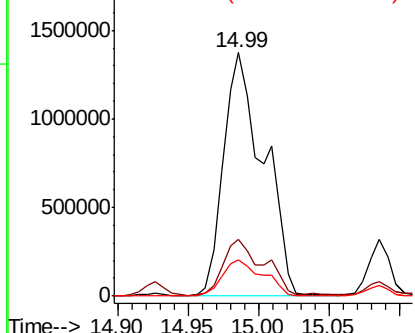


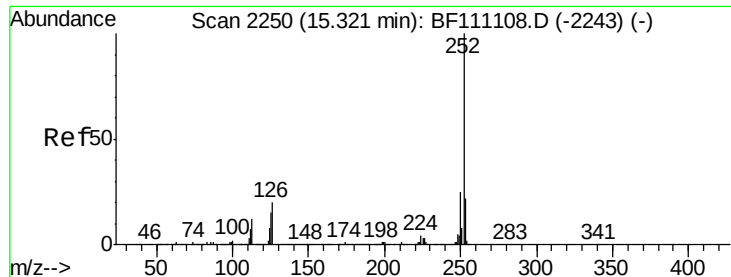
#89
Benzo(k)fluoranthene
Concen: 44.320 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF111202.D
Acq: 7 Dec 2018 22:17

Tgt Ion:252 Resp: 2715079
Ion Ratio Lower Upper
252 100
253 23.1 18.2 27.4
125 14.7 9.9 14.9



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: 24.433 ng

RT: 15.34 min Scan# 2253

Delta R.T. 0.02 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

Instrument :

BNA_F

ClientSampleId :

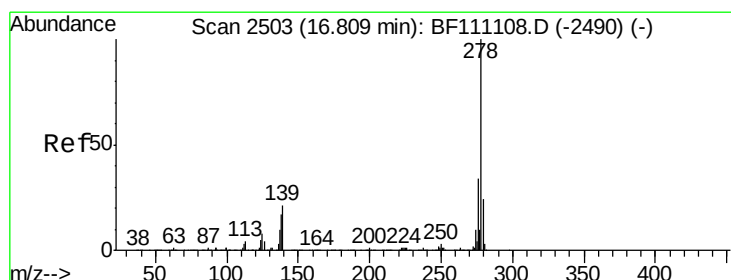
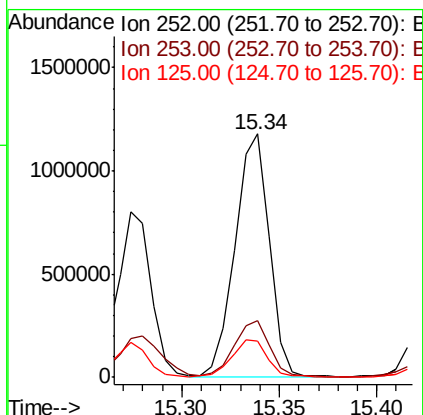
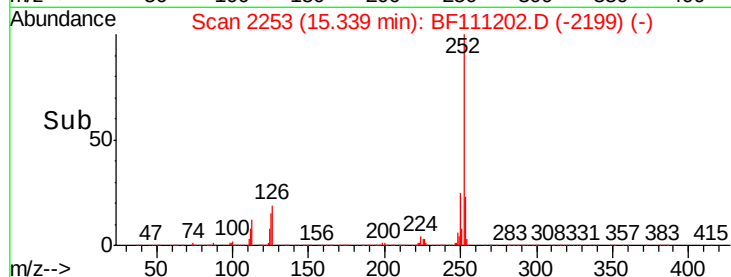
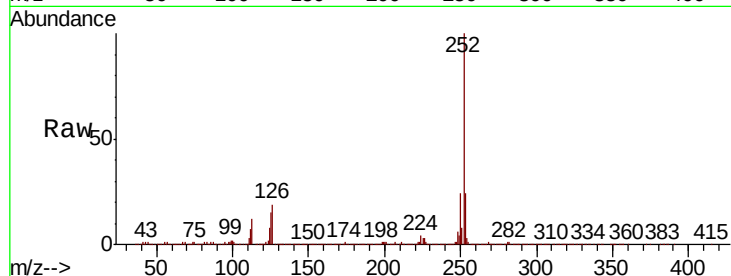
Tgt Ion:252 Resp: 1420162

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

125 14.9 12.4 18.6



#91

Dibenzo(a,h)anthracene

Concen: 2.733 ng

RT: 16.97 min Scan# 2531

Delta R.T. 0.16 min

Lab File: BF111202.D

Acq: 7 Dec 2018 22:17

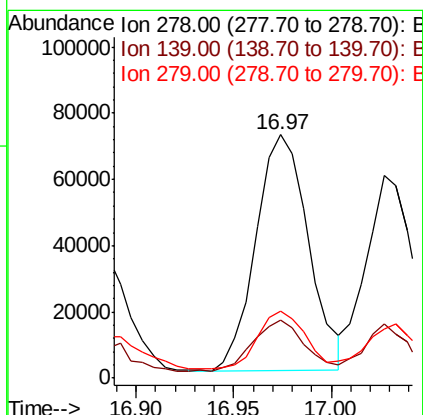
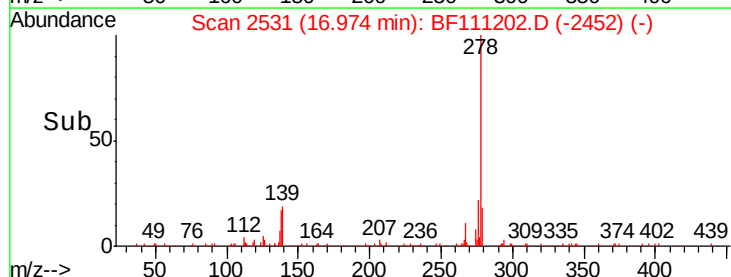
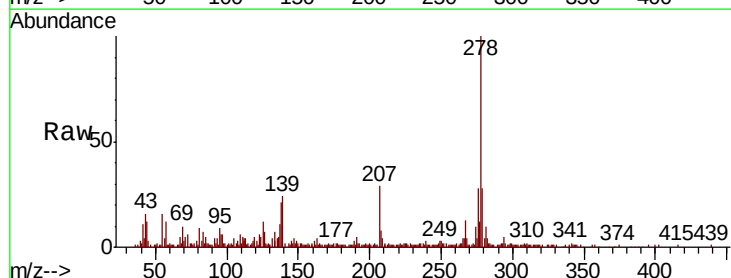
Tgt Ion:278 Resp: 133309

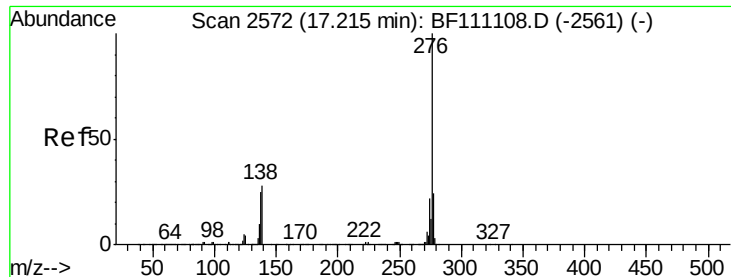
Ion Ratio Lower Upper

278 100

139 23.6 16.6 25.0

279 27.7 18.8 28.2





#92
 Benzo(g,h,i)perylene
 Concen: 8.868 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.01 min
 Lab File: BF111202.D
 Acq: 7 Dec 2018 22:17

Instrument :
 BNA_F
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.3	28.9
138	29.7	22.3	33.5

