

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100520\
 Data File : BF121838.D
 Acq On : 6 Oct 2020 2:02
 Operator : JU/CG
 Sample : L4247-09 10X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-19(7-9)

Quant Time: Oct 06 02:59:39 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	98364	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	364444	20.00	ng	-0.01
39) Acenaphthene-d10	9.80	164	164288	20.00	ng	-0.01
64) Phenanthrene-d10	11.29	188	270346	20.00	ng	0.00
76) Chrysene-d12	13.94	240	221722	20.00	ng	0.00
86) Perylene-d12	15.38	264	239846	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	45480	6.87	ng	0.00
7) Phenol-d6	6.40	99	62481	7.20	ng	-0.01
23) Nitrobenzene-d5	7.33	82	37569	5.53	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	11785	5.77	ng	-0.01
45) 2-Fluorobiphenyl	9.12	172	75945	7.00	ng	-0.01
79) Terphenyl-d14	12.87	244	71244	6.51	ng	-0.01

Target Compounds

						Qvalue
25) Isophorone	7.33	82	37569	2.750	ng	# 67
31) Naphthalene	8.07	128	149031	7.747	ng	98
32) Benzoic acid	7.86	122	621	7.052	ng	# 1
33) 4-Chloroaniline	8.07	127	18681	2.240	ng	# 32
37) 2-Methylnaphthalene	8.76	142	48575	3.853	ng	97
38) 1-Methylnaphthalene	8.86	142	43167	3.679	ng	97
49) Acenaphthylene	9.66	152	74586	4.684	ng	99
51) 2,6-Dinitrotoluene	9.80	165	24677	9.731	ng	# 21
52) Acenaphthene	9.83	154	248203	24.677	ng	99
55) Dibenzofuran	10.00	168	201355	14.215	ng	98
56) 4-Nitrophenol	10.00	139	75467	32.213	ng	# 12
58) Fluorene	10.35	166	304450	28.106	ng	98
71) Phenanthrene	11.32	178	2491153	169.126	ng	98
72) Anthracene	11.37	178	952555	62.667	ng	100
73) Carbazole	11.52	167	285464	20.811	ng	99
75) Fluoranthene	12.52	202	3850201	244.866	ng	96
78) Pyrene	12.75	202	3347860	206.662	ng	96
81) Benzo(a)anthracene	13.93	228	2457116	175.168	ng	97
83) Chrysene	13.93	228	2457116	172.983	ng	98
87) Indeno(1,2,3-cd)pyrene	16.82	276	1036703	66.372	ng	94
88) Benzo(b)fluoranthene	14.97	252	3517664	219.388	ng	98
89) Benzo(k)fluoranthene	14.97	252	3517664	239.574	ng	97
90) Benzo(a)pyrene	15.33	252	1873137	137.433	ng	95
91) Dibenz(a,h)anthracene	16.96	278	260461	20.032	ng	98
92) Benzo(g,h,i)perylene	17.24	276	853083	66.747	ng	100

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

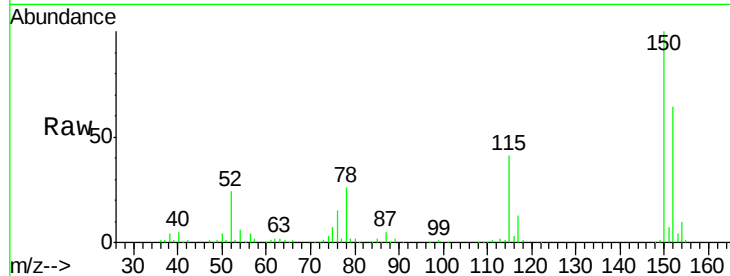


#1

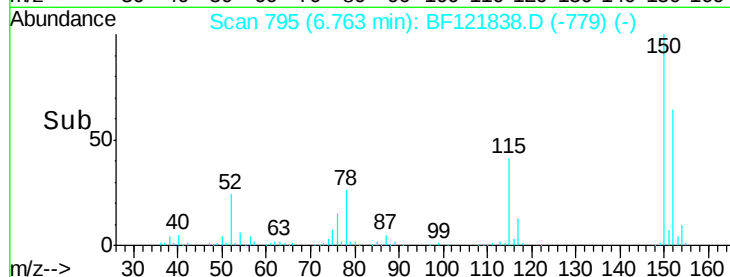
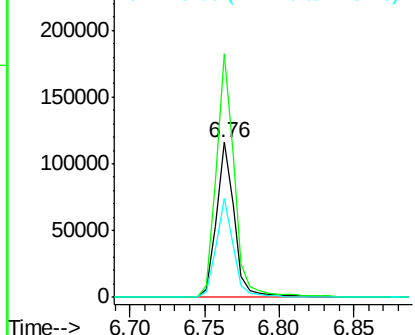
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)

Tot Ion:152 Resp: 98364
Ion Ratio Lower Upper
152 100
150 156.9 125.3 187.9
115 63.8 51.9 77.9



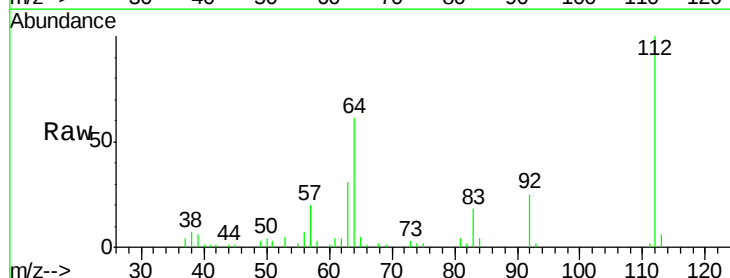
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



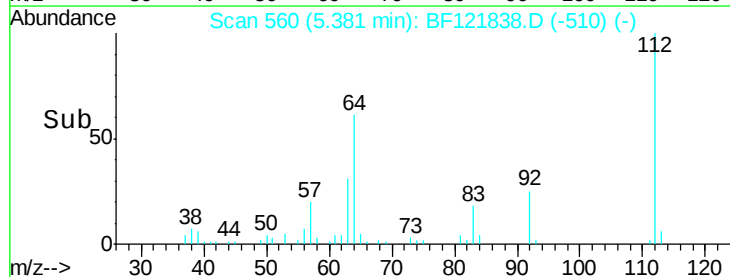
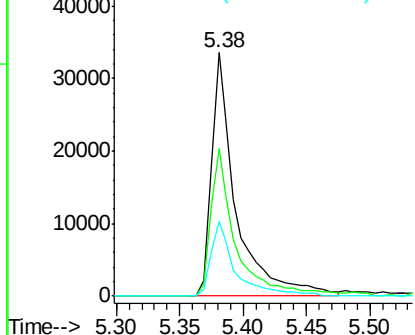
#5

2-Fluorophenol
Concen: 6.871 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Tgt Ion:112 Resp: 45480
Ion Ratio Lower Upper
112 100
64 60.6 50.4 75.6
63 30.8 25.8 38.6



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: 7.195 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

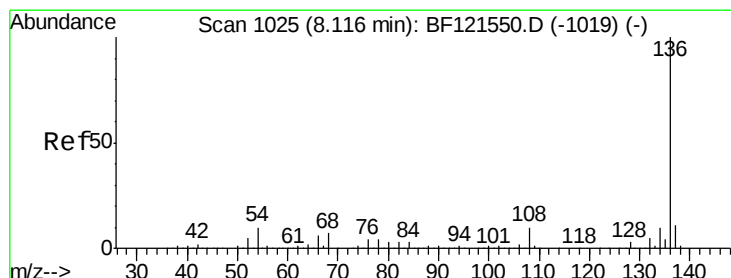
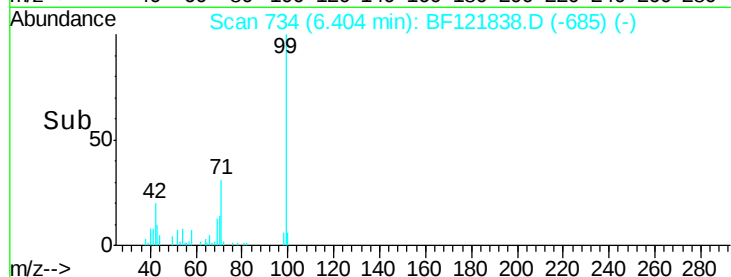
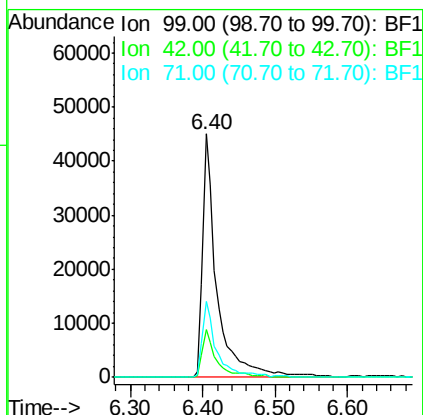
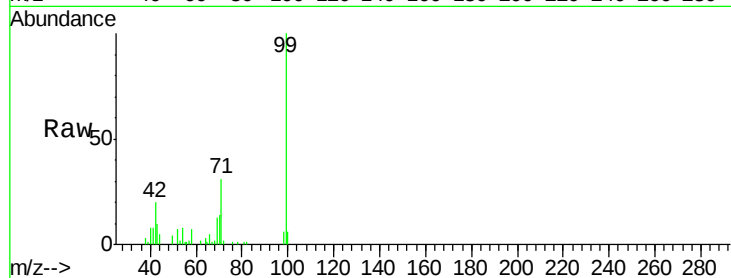
Tot Ion: 99 Resp: 62481

Ion Ratio Lower Upper

99 100

42 19.7 15.9 23.9

71 31.0 27.1 40.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.05 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Tgt Ion: 136 Resp: 364444

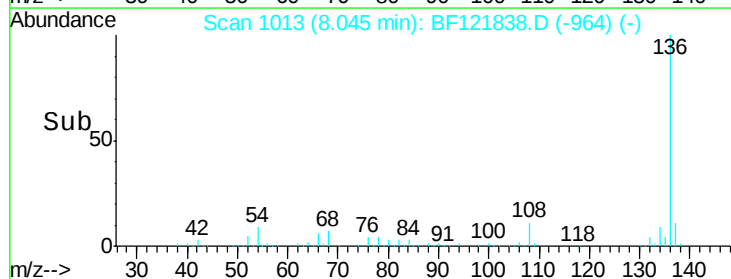
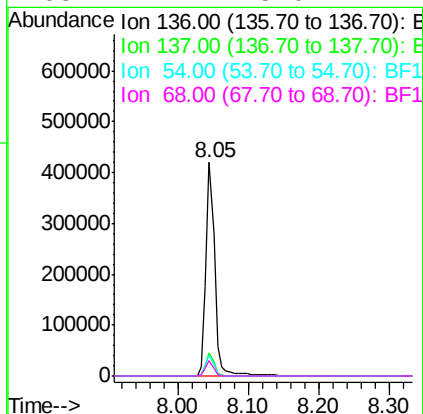
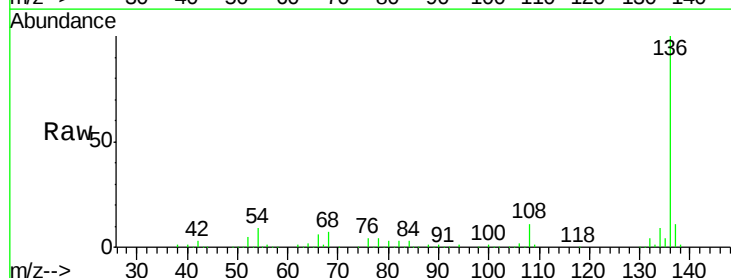
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 9.5 7.1 10.7

68 7.1 5.0 7.4

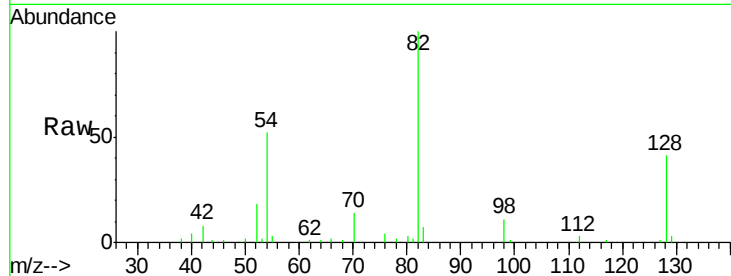




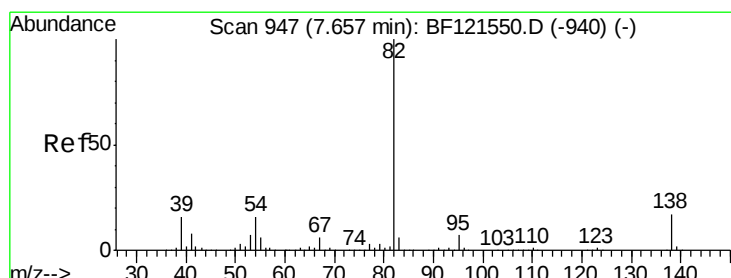
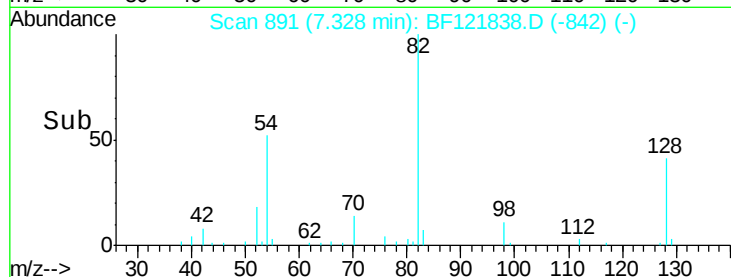
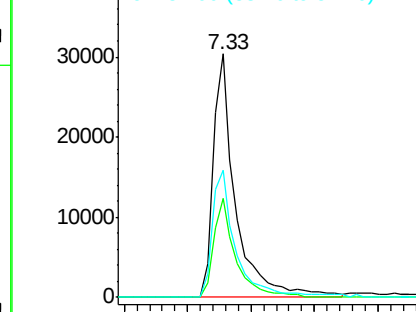
#23
 Nitrobenzene-d5
 Concen: 5.535 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

Instrument :
 BNA_F
 ClientSampleId :
 B-19(7-9)

Tot Ion	82	Resp	37569
Ion Ratio	100	Lower	Upper
128	40.9	35.0	52.4
54	52.0	43.9	65.9

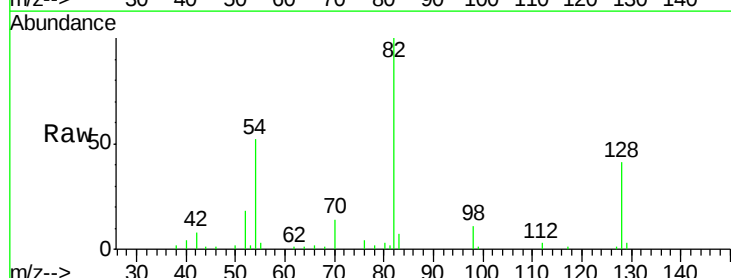


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

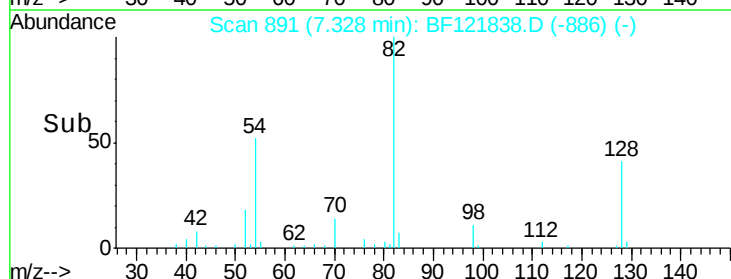
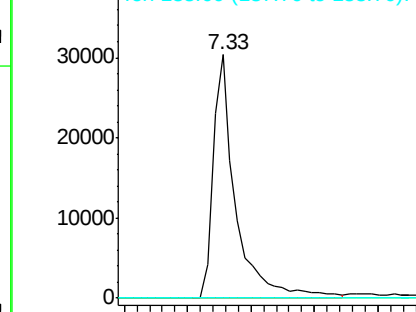


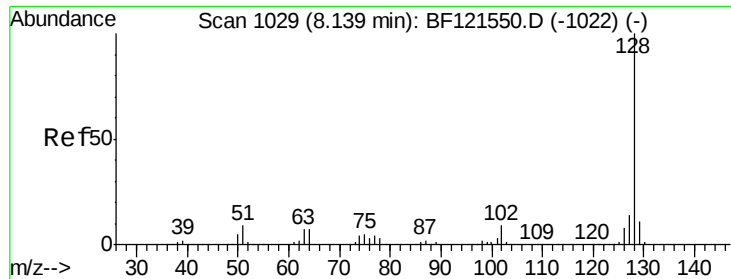
#25
 Isophorone
 Concen: 2.750 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.27 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

Tgt Ion	82	Resp	37569
Ion Ratio	100	Lower	Upper
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#



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

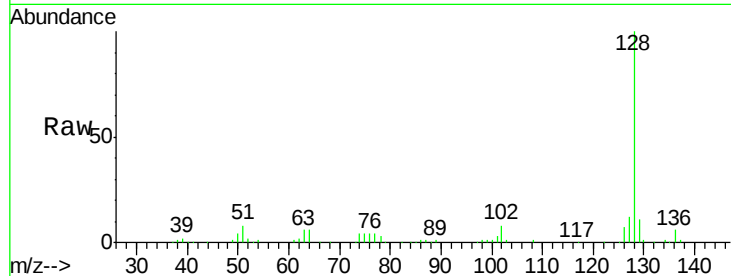




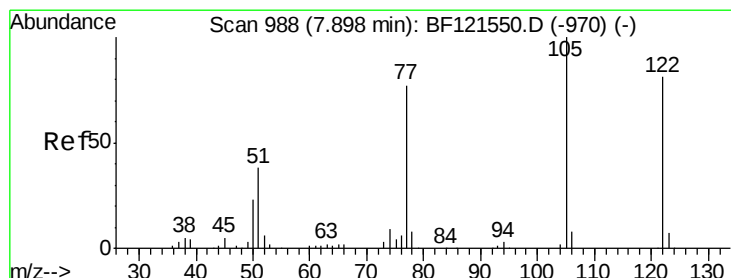
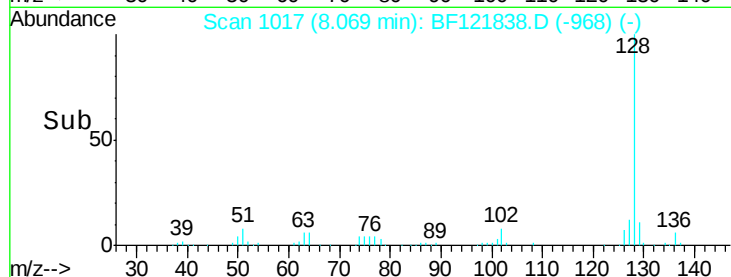
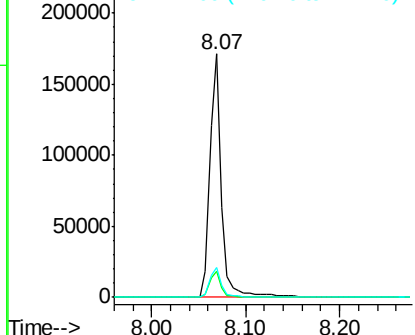
#31
Naphthalene
Concen: 7.747 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Instrument :
BNA_F
ClientSampleId :
B-19(7-9)

Tot Ion:128 Resp: 149031
Ion Ratio Lower Upper
128 100
129 10.7 8.7 13.1
127 12.4 10.8 16.2

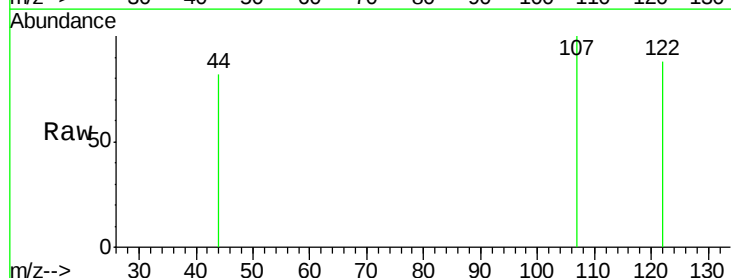


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

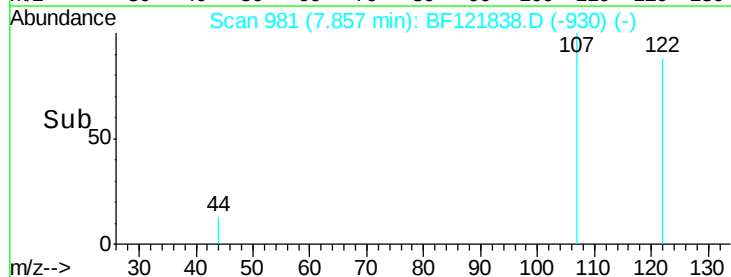
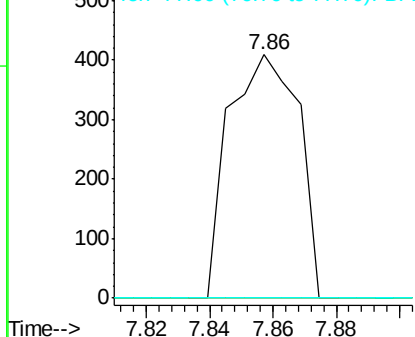


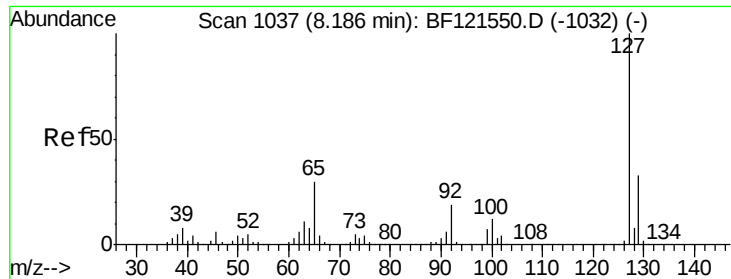
#32
Benzoic acid
Concen: 7.052 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.00 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Tgt Ion:122 Resp: 621
Ion Ratio Lower Upper
122 100
105 0.0 103.3 143.3#
77 0.0 73.9 113.9#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

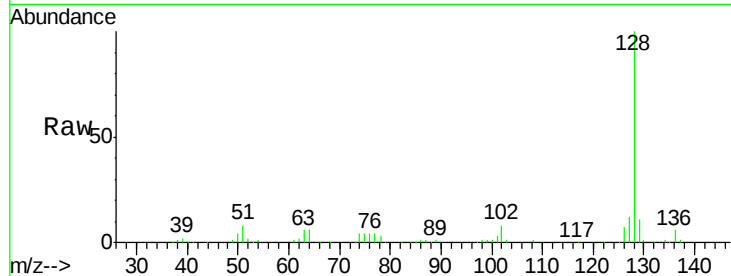




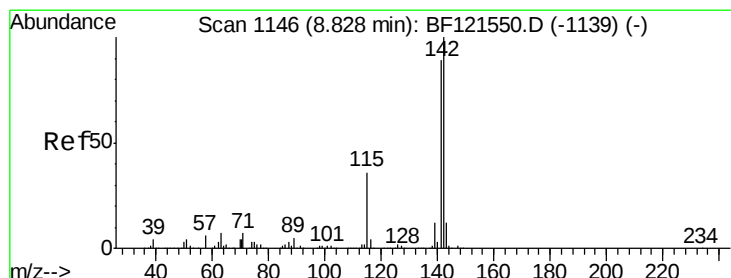
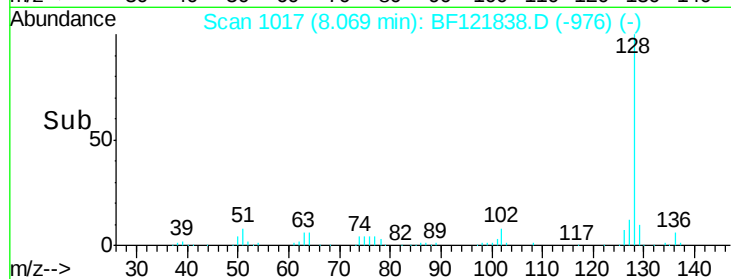
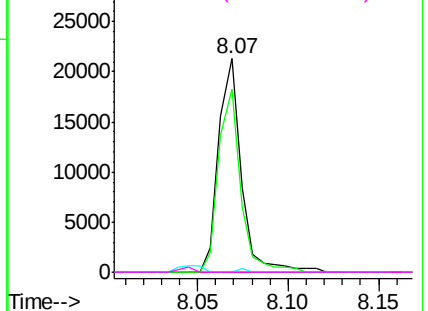
#33
 4-Chloroaniline
 Concen: 2.240 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.06 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

Instrument :
 BNA_F
 ClientSampleId :
 B-19(7-9)

Tot Ion:	127	Resp:	18681
Ion	Ratio	Lower	Upper
127	100		
129	85.7	26.3	39.5#
65	0.0	26.2	39.2#
92	0.0	15.9	23.9#

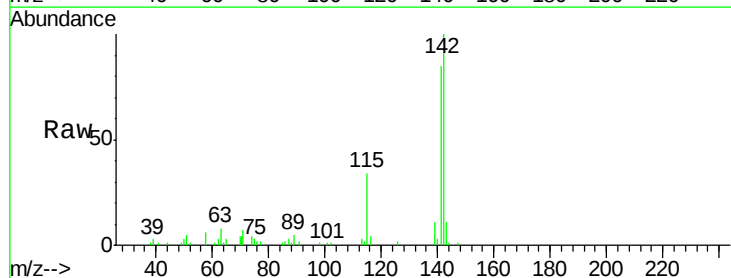


Abundance Ion 127.00 (126.70 to 127.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1

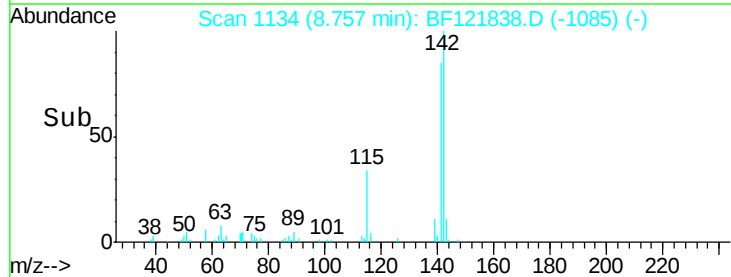
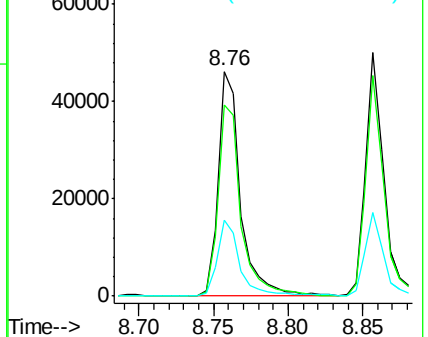


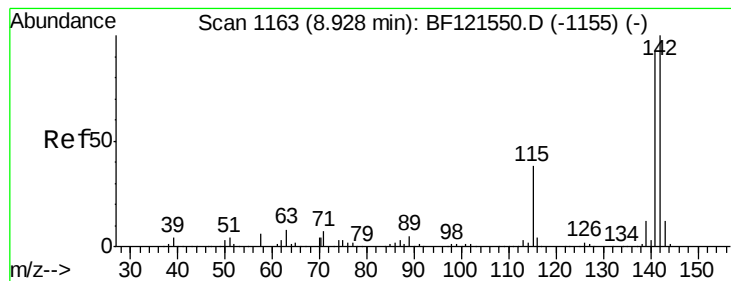
#37
 2-Methylnaphthalene
 Concen: 3.853 ng
 RT: 8.76 min Scan# 1134
 Delta R.T. -0.01 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

Tgt Ion:	142	Resp:	48575
Ion	Ratio	Lower	Upper
142	100		
141	85.3	70.2	105.4
115	34.0	28.6	43.0



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E





#38

1-Methylnaphthalene

Concen: 3.679 ng

RT: 8.86 min Scan# 1151

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

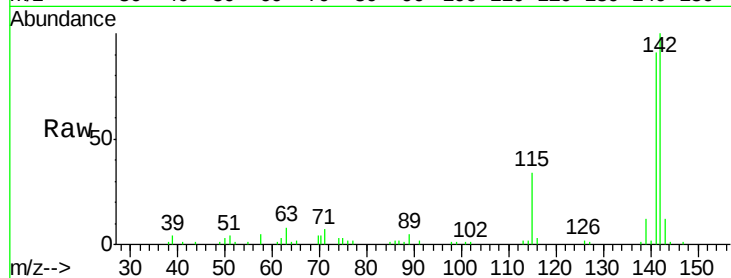
Tot Ion:142 Resp: 43167

Ion Ratio Lower Upper

142 100

141 90.7 74.5 111.7

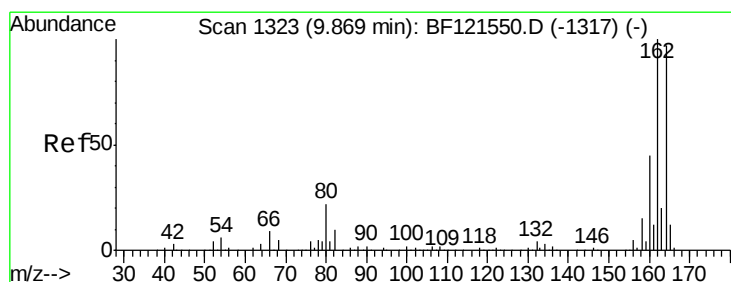
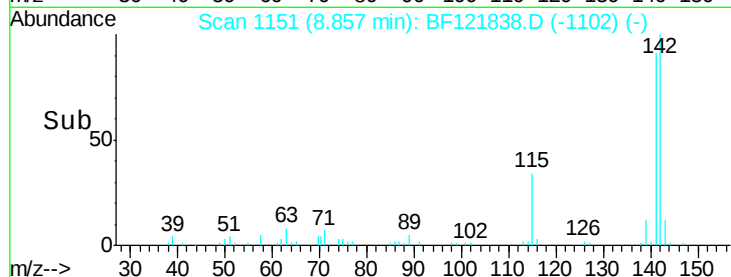
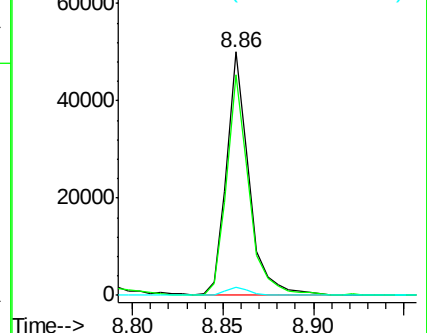
116 3.2 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

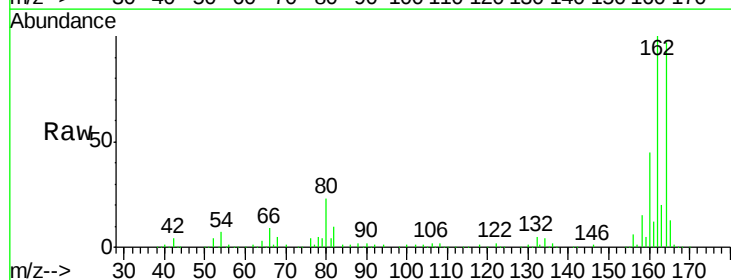
Tgt Ion:164 Resp: 164288

Ion Ratio Lower Upper

164 100

162 103.2 83.2 124.8

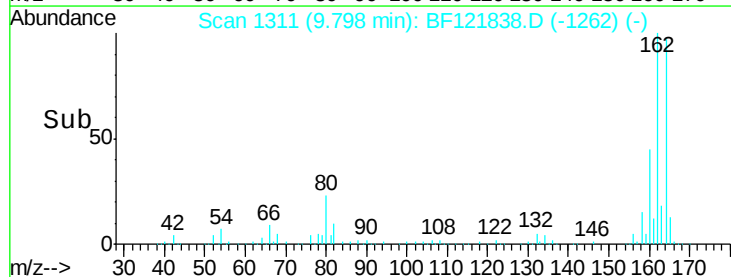
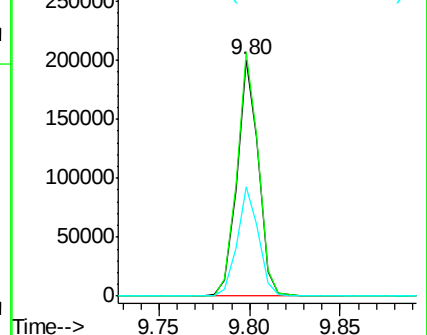
160 46.3 37.5 56.3

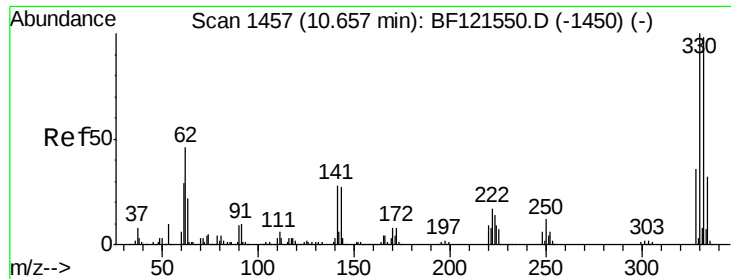


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

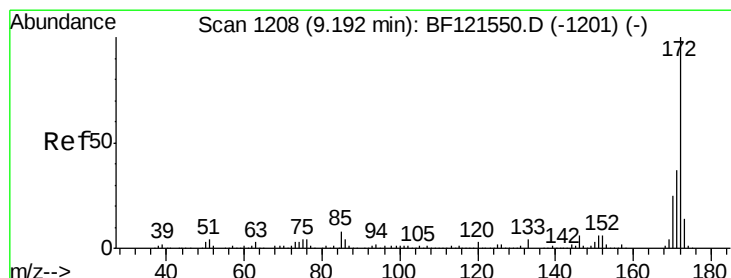
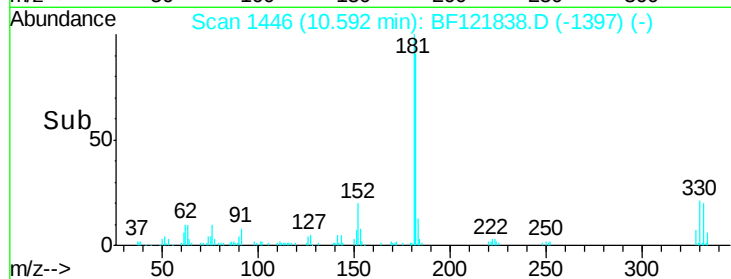
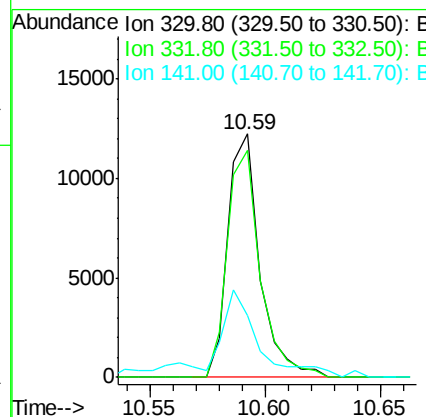
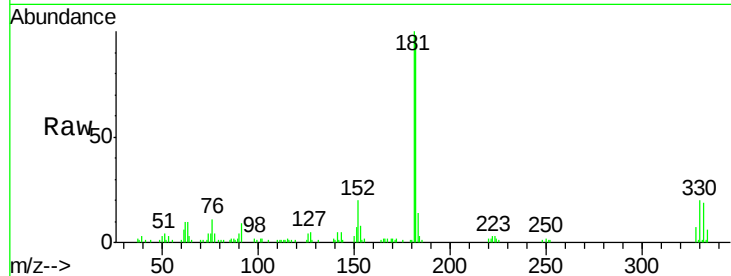




#42
 2,4,6-Tribromophenol
 Concen: 5.772 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

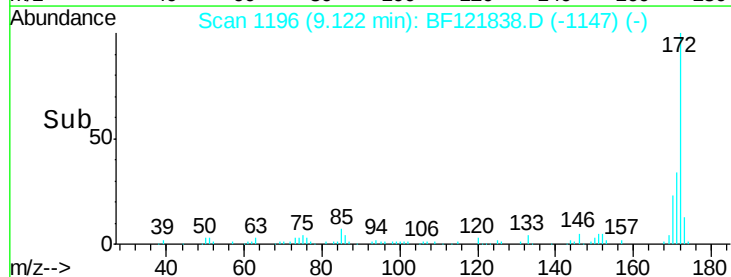
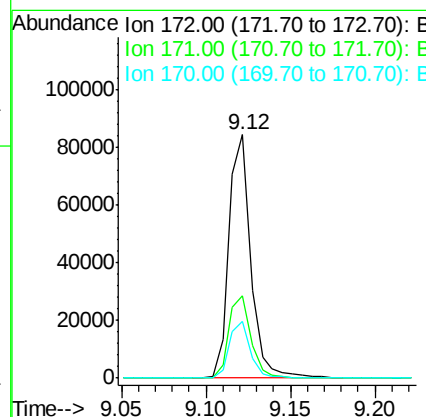
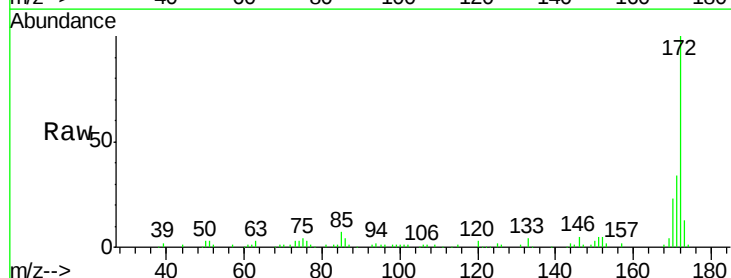
Instrument :
 BNA_F
 ClientSampleId :
 B-19(7-9)

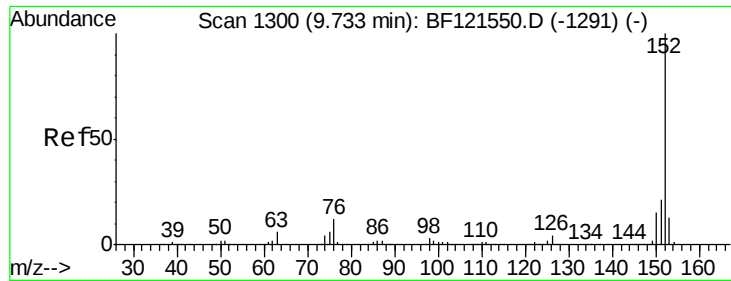
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.3	115.9
141	50.3	22.3	33.5#



#45
 2-Fluorobiphenyl
 Concen: 7.001 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	29.1	43.7
170	23.4	19.8	29.6





#49

Acenaphthylene

Concen: 4.684 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

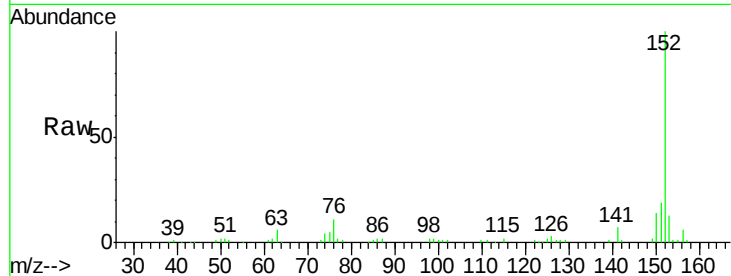
Tot Ion:152 Resp: 74586

Ion Ratio Lower Upper

152 100

151 19.5 16.4 24.6

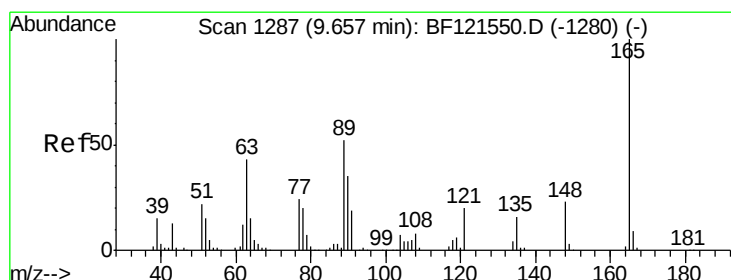
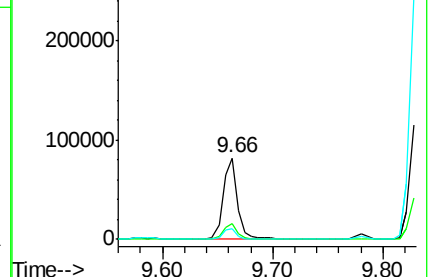
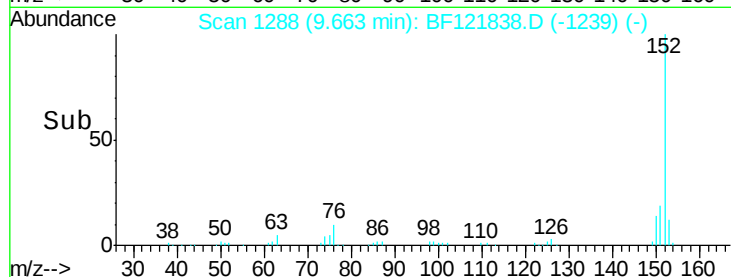
153 13.3 10.6 15.8



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



#51

2,6-Dinitrotoluene

Concen: 9.731 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.20 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

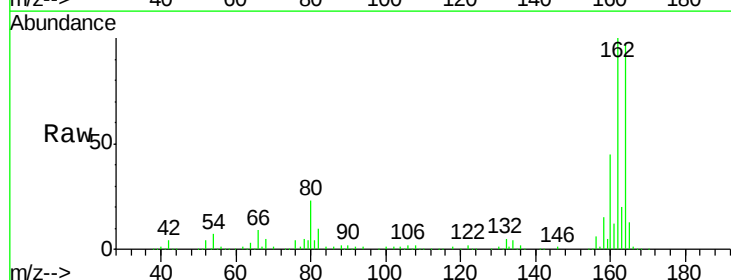
Tgt Ion:165 Resp: 24677

Ion Ratio Lower Upper

165 100

63 1.9 51.8 77.6#

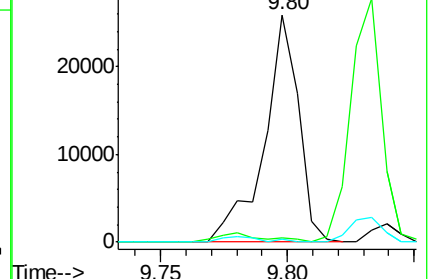
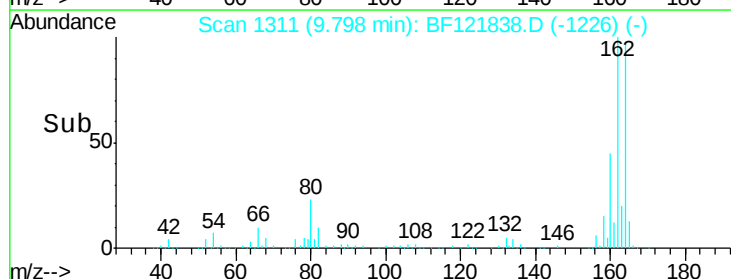
89 1.4 49.0 73.6#

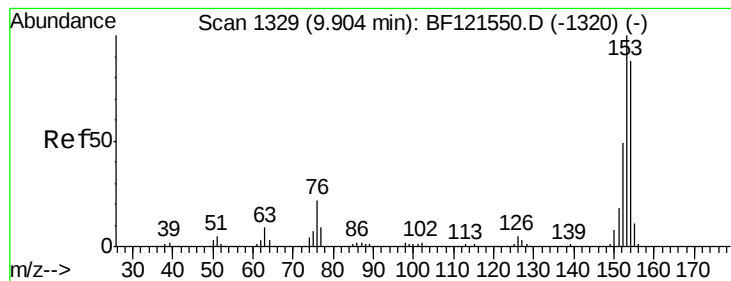


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 24.677 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

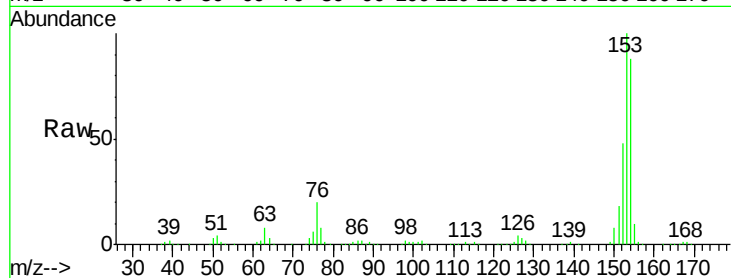
Tot Ion:154 Resp: 248203

Ion Ratio Lower Upper

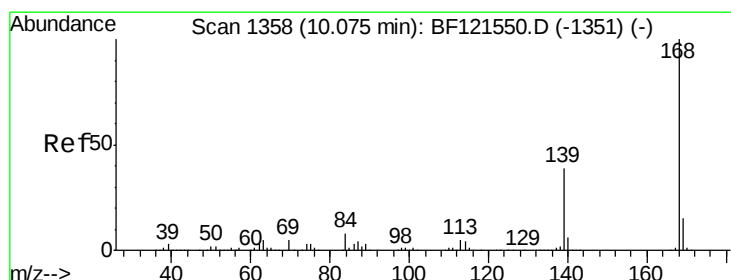
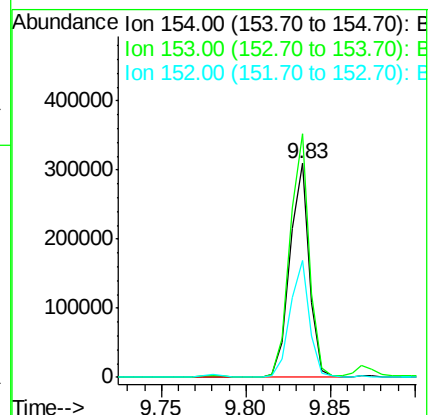
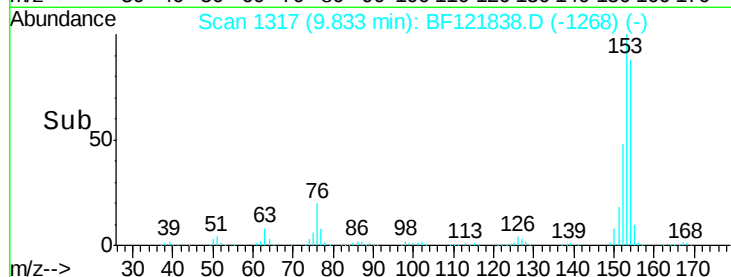
154 100

153 113.9 89.8 134.8

152 54.7 43.2 64.8



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



#55

Dibenzofuran

Concen: 14.215 ng

RT: 10.00 min Scan# 1346

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

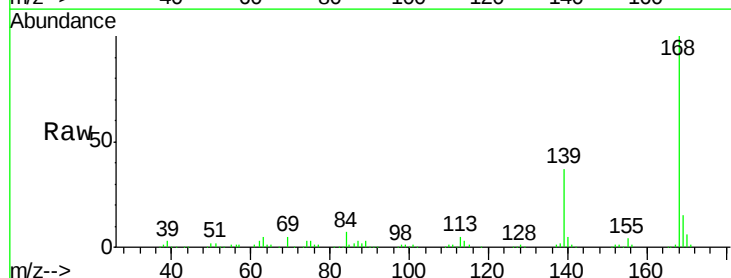
Tgt Ion:168 Resp: 201355

Ion Ratio Lower Upper

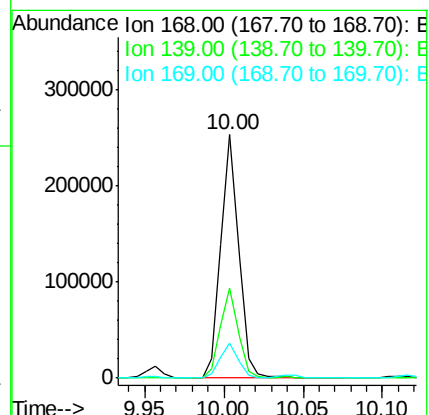
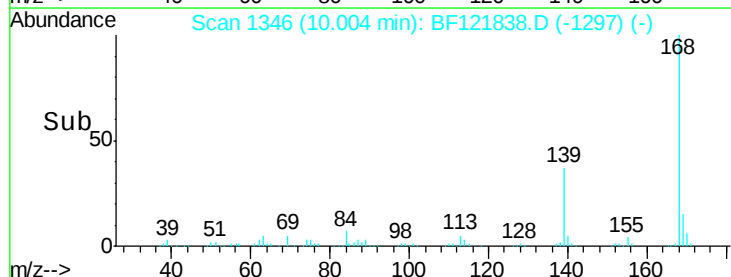
168 100

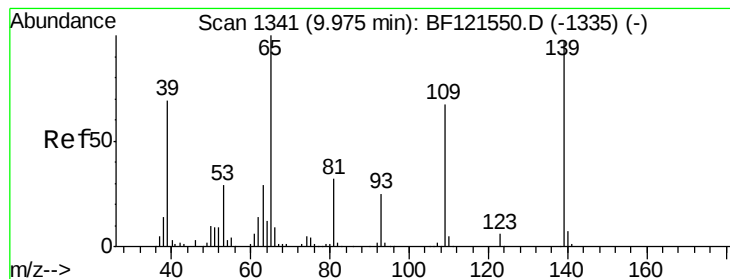
139 37.0 31.0 46.6

169 14.5 11.3 16.9



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: 32.213 ng

RT: 10.00 min Scan# 1346

Delta R.T. 0.06 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

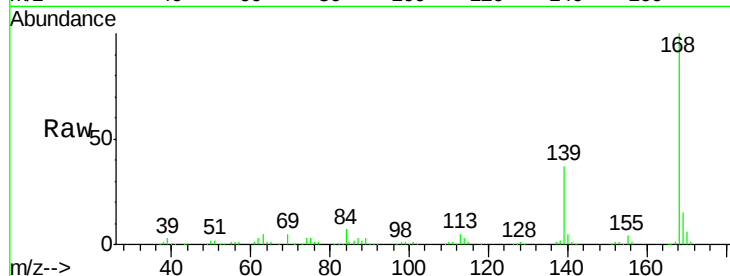
Tot Ion:139 Resp: 75467

Ion Ratio Lower Upper

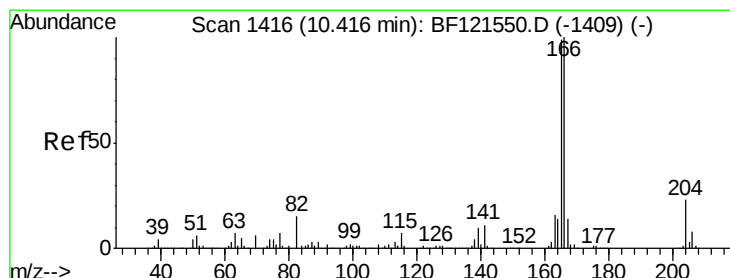
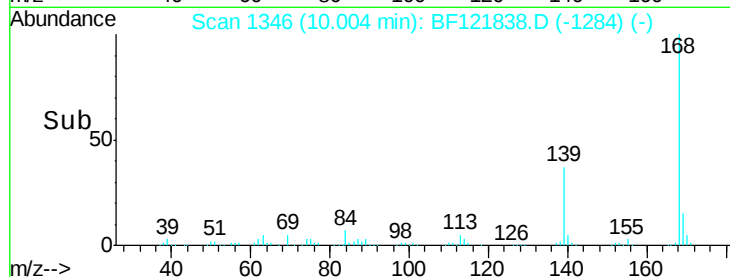
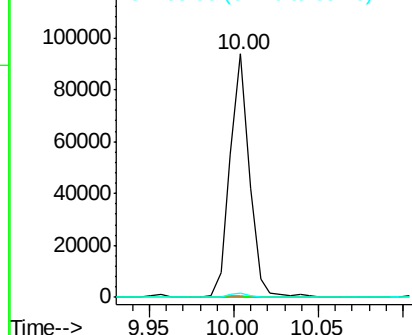
139 100

109 0.8 45.4 85.4#

65 1.8 68.4 108.4#



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



#58

Fluorene

Concen: 28.106 ng

RT: 10.35 min Scan# 1404

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

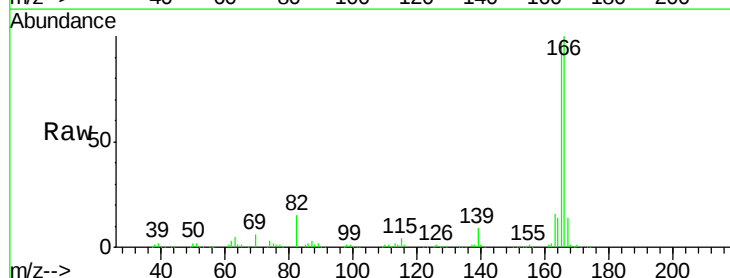
Tgt Ion:166 Resp: 304450

Ion Ratio Lower Upper

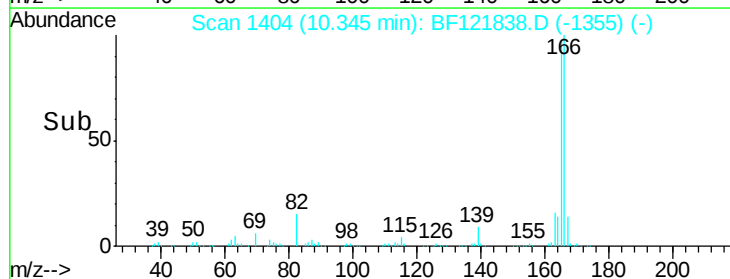
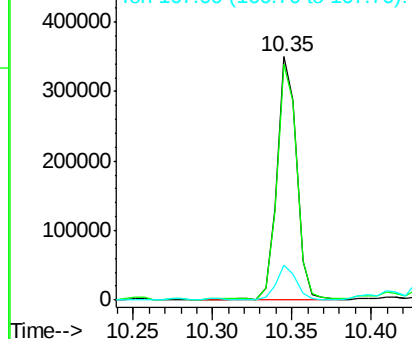
166 100

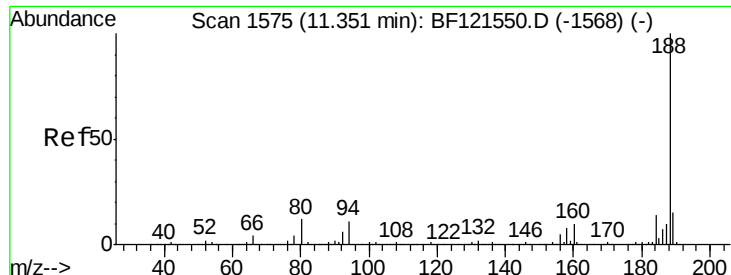
165 97.0 79.1 118.7

167 14.2 11.0 16.6



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

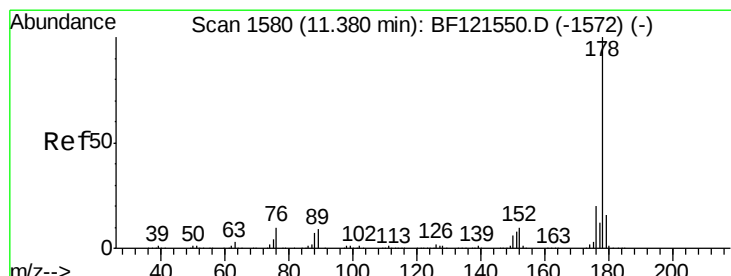
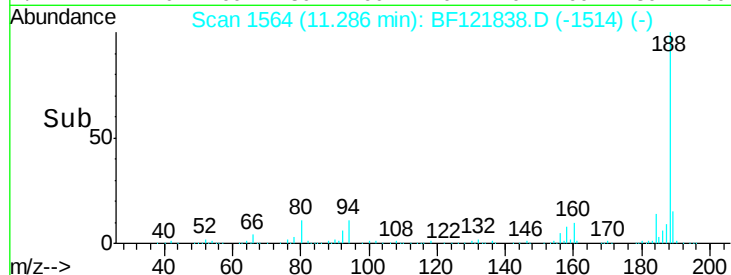
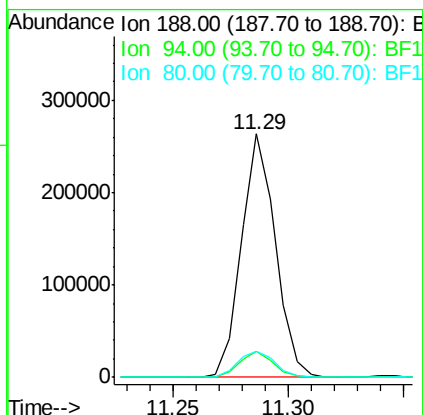
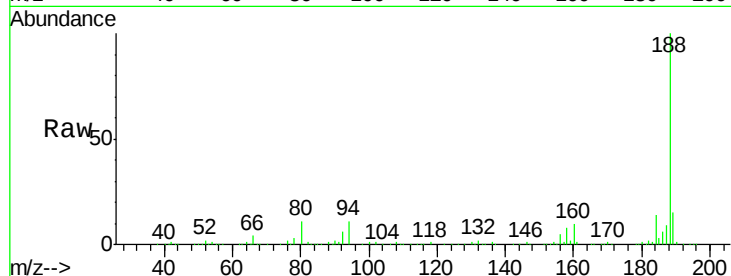




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

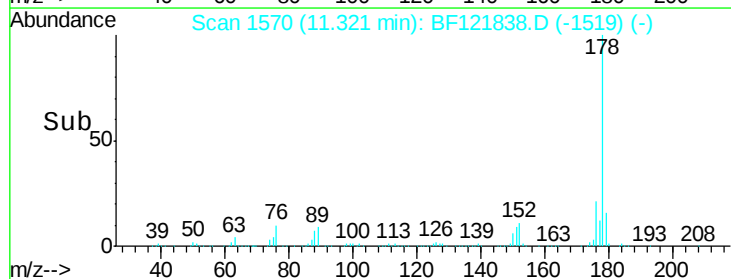
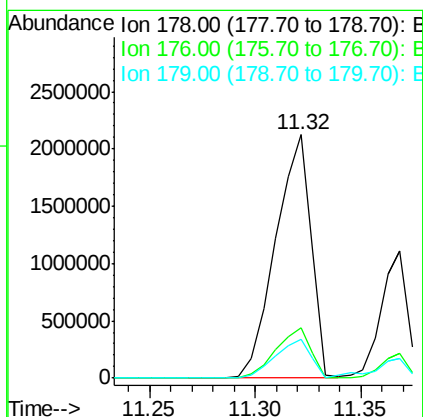
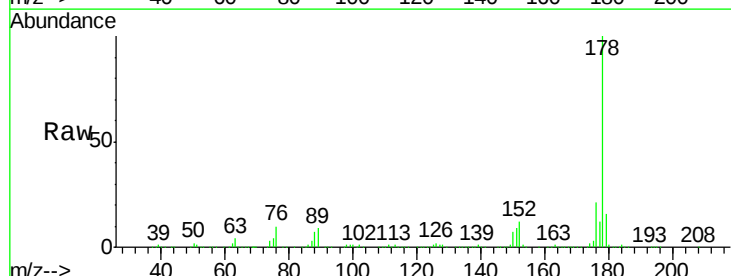
Instrument :
 BNA_F
 ClientSampleId :
 B-19(7-9)

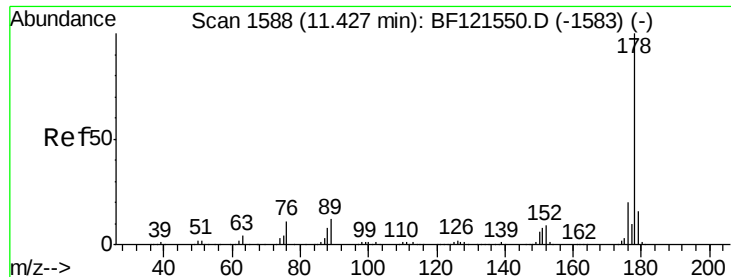
Tot Ion:188 Resp: 270346
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.3 12.5
 80 10.6 9.1 13.7



#71
 Phenanthrene
 Concen: 169.126 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: BF121838.D
 Acq: 6 Oct 2020 2:02

Tgt Ion:178 Resp: 2491153
 Ion Ratio Lower Upper
 178 100
 176 20.9 15.9 23.9
 179 16.1 12.2 18.4





#72

Anthracene

Concen: 62.667 ng

RT: 11.37 min Scan# 1578

Delta R.T. -0.00 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

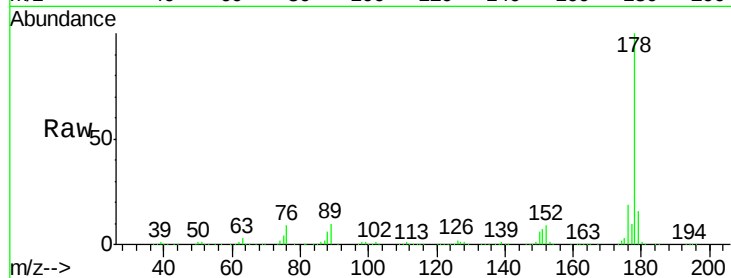
Tot Ion:178 Resp: 952555

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

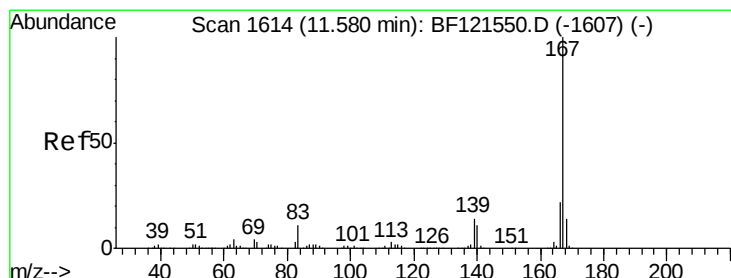
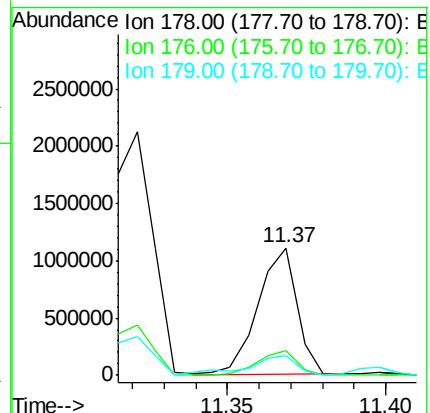
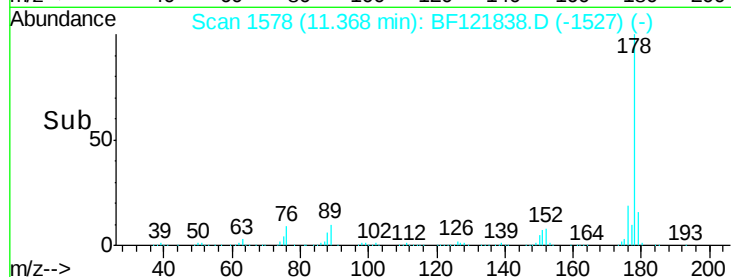
179 15.7 12.7 19.1



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: 20.811 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

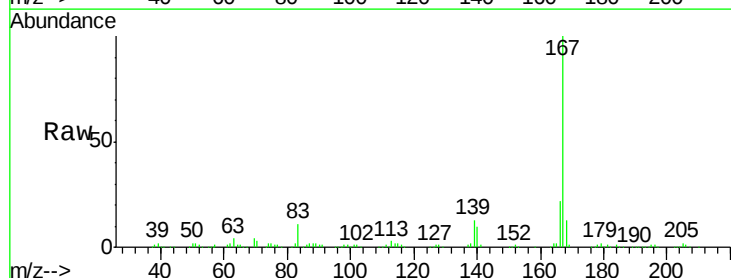
Tgt Ion:167 Resp: 285464

Ion Ratio Lower Upper

167 100

166 21.5 17.8 26.6

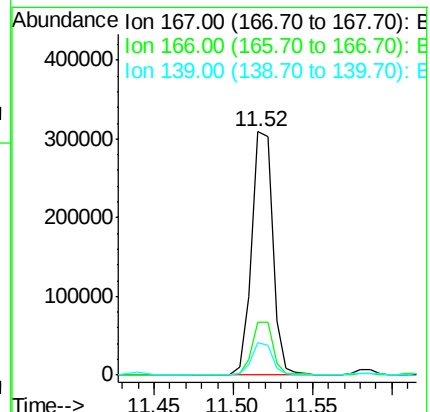
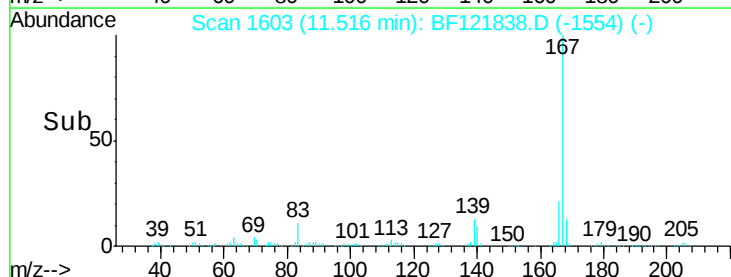
139 13.1 10.8 16.2

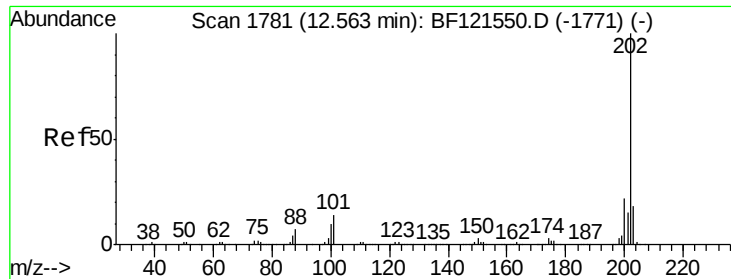


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 244.866 ng

RT: 12.52 min Scan# 1774

Delta R.T. 0.02 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

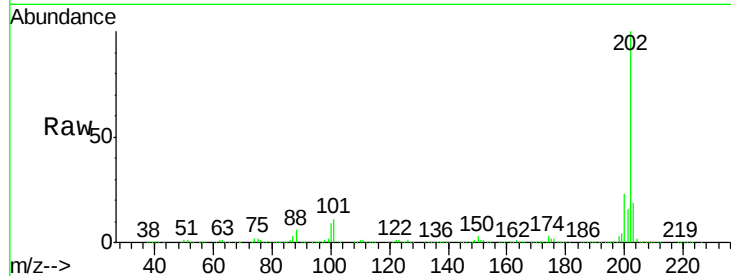
Tot Ion:202 Resp: 3850201

Ion Ratio Lower Upper

202 100

101 11.3 0.0 33.4

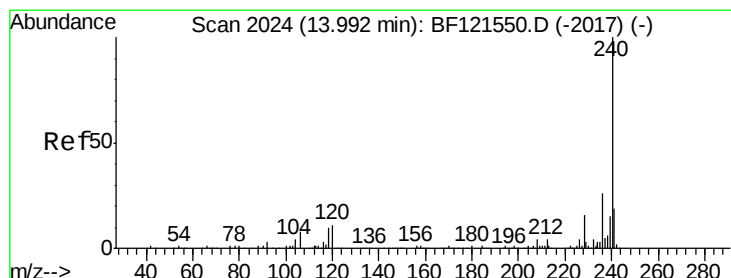
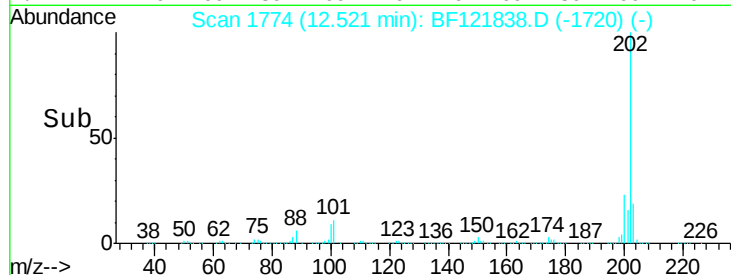
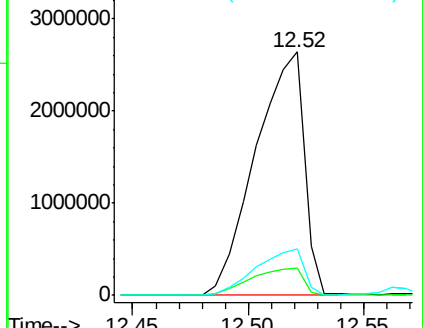
203 19.0 0.0 37.9



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: 13.94 min Scan# 2015

Delta R.T. 0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

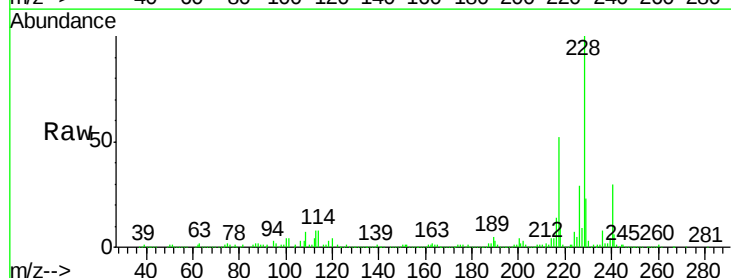
Tgt Ion:240 Resp: 221722

Ion Ratio Lower Upper

240 100

120 11.6 9.2 13.8

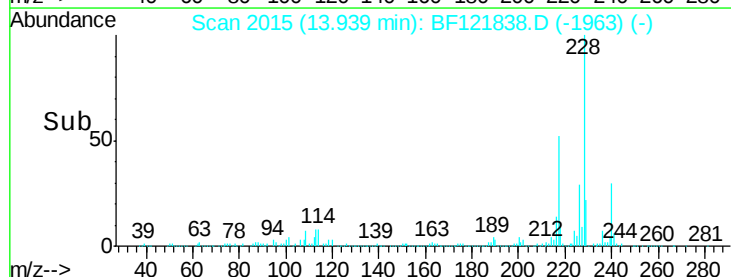
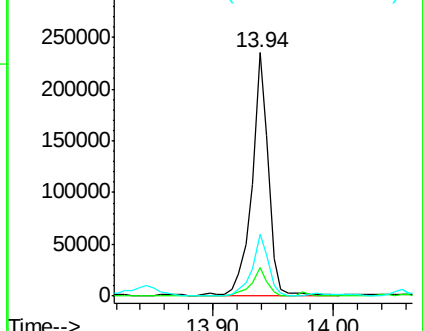
236 25.2 20.9 31.3

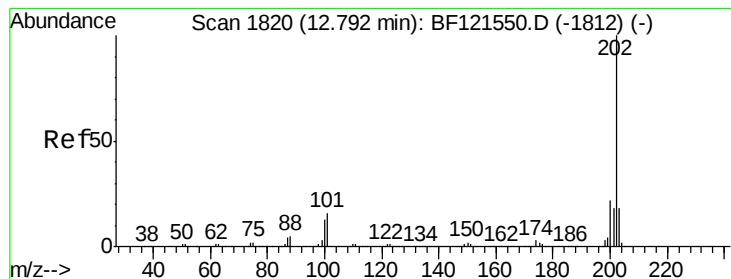


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 206.662 ng

RT: 12.75 min Scan# 1813

Delta R.T. 0.02 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

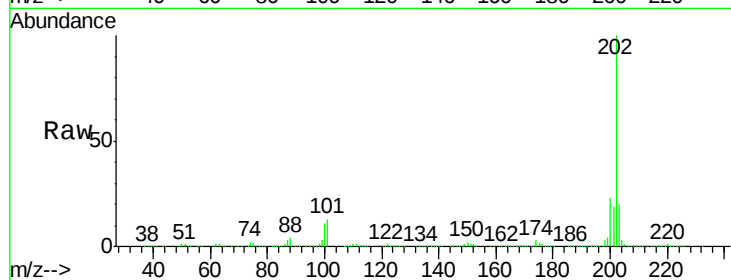
BNA_F

ClientSampleId :

B-19(7-9)

Tot Ion:202 Resp: 3347860

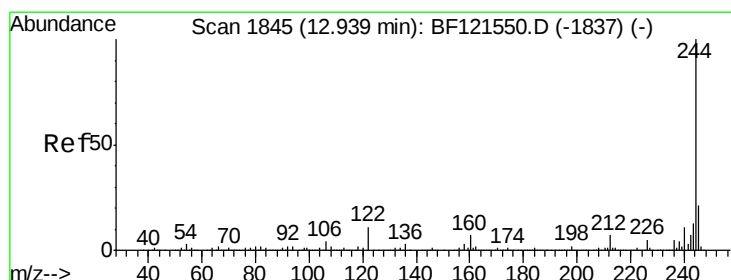
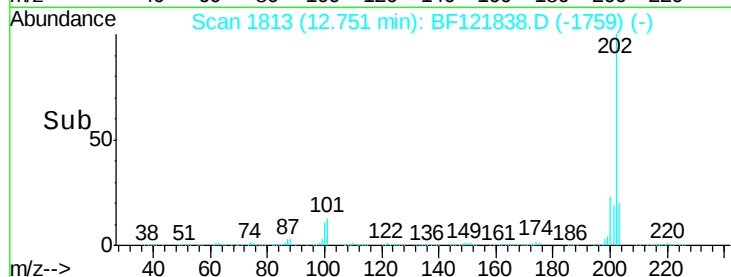
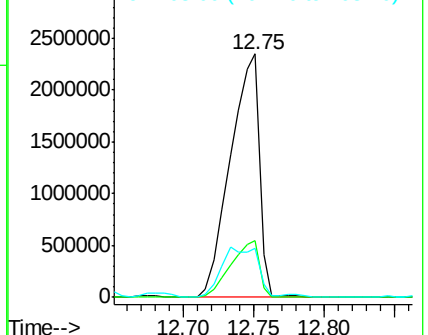
Ion	Ratio	Lower	Upper
202	100		
200	23.4	17.4	26.2
203	20.1	14.6	21.8



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: 6.510 ng

RT: 12.87 min Scan# 1833

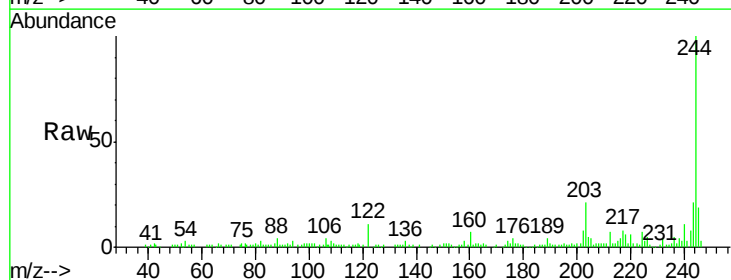
Delta R.T. -0.01 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Tgt Ion:244 Resp: 71244

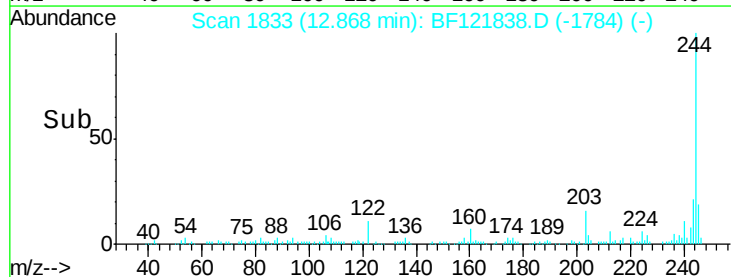
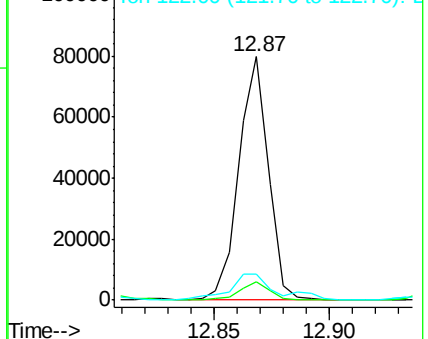
Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.4	8.2
122	10.8	8.1	12.1

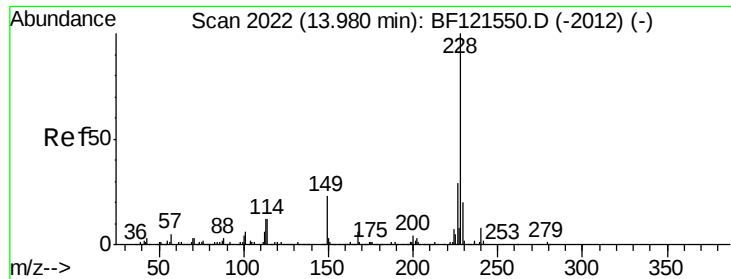


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

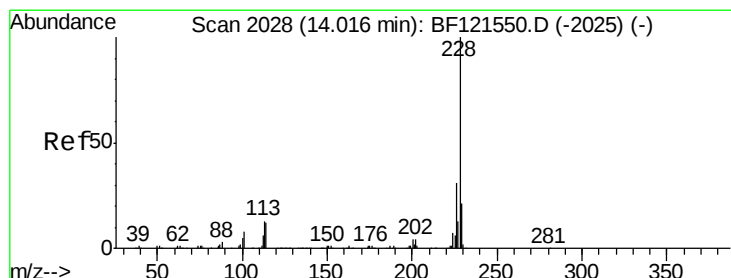
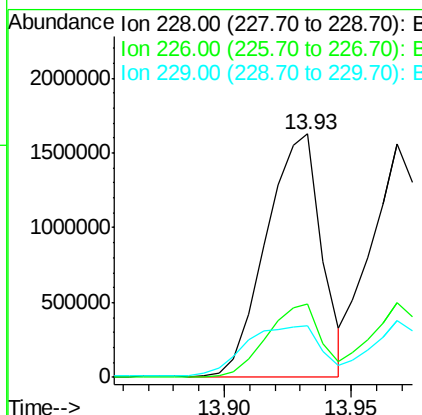
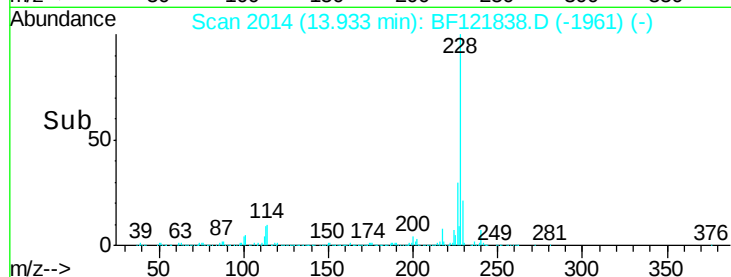
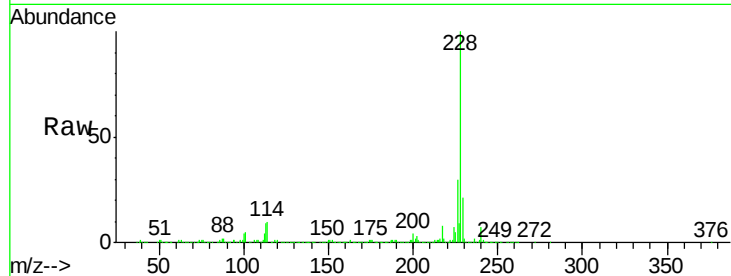




#81
Benzo(a)anthracene
Concen: 175.168 ng
RT: 13.93 min Scan# 2014
Delta R.T. 0.01 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

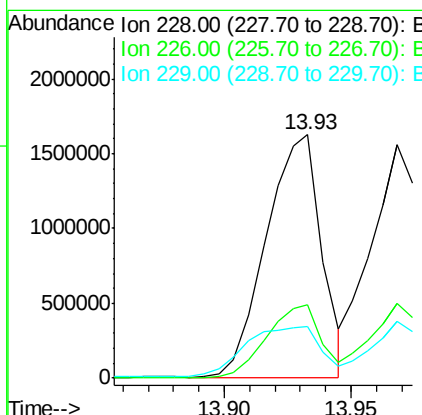
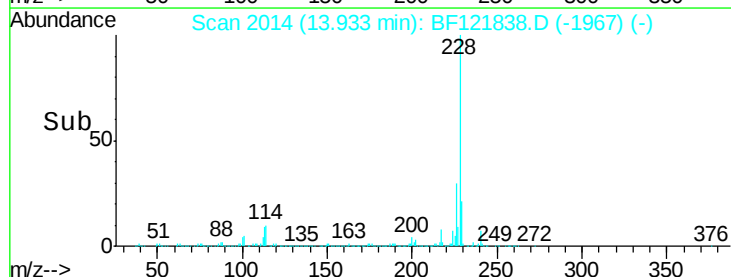
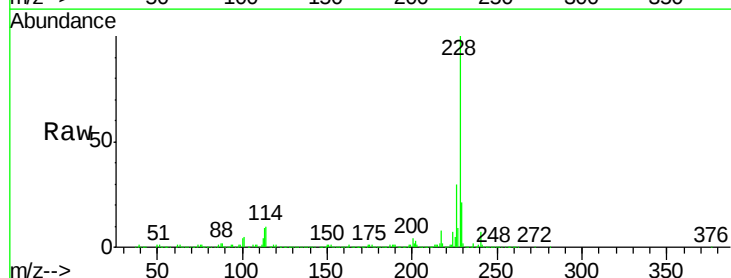
Instrument :
BNA_F
ClientSampleId :
B-19(7-9)

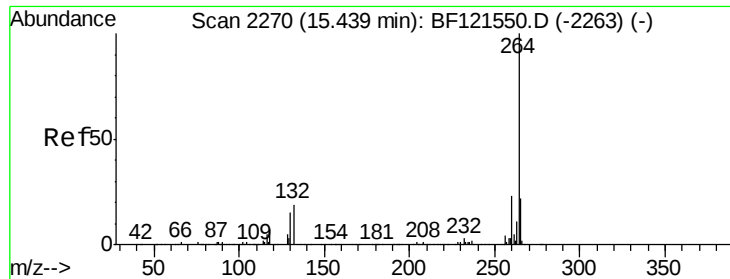
Tot Ion:228 Resp: 2457116
Ion Ratio Lower Upper
228 100
226 30.0 22.3 33.5
229 21.5 16.2 24.4



#83
Chrysene
Concen: 172.983 ng
RT: 13.93 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Tgt Ion:228 Resp: 2457116
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 21.5 15.9 23.9

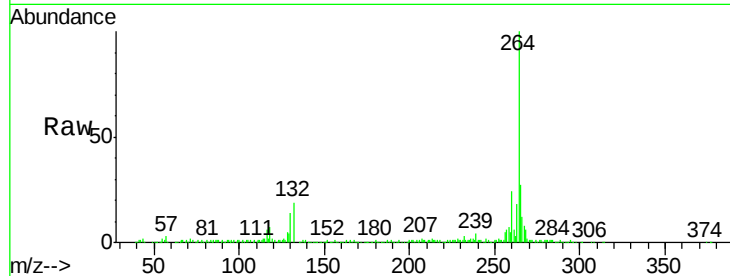




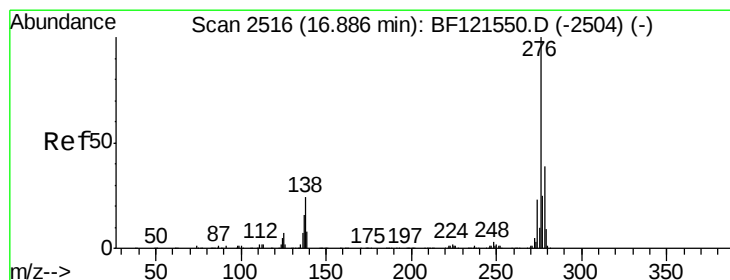
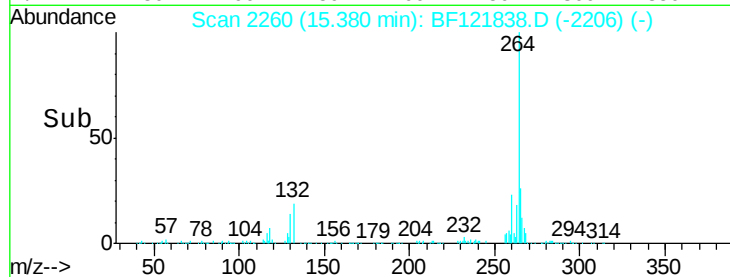
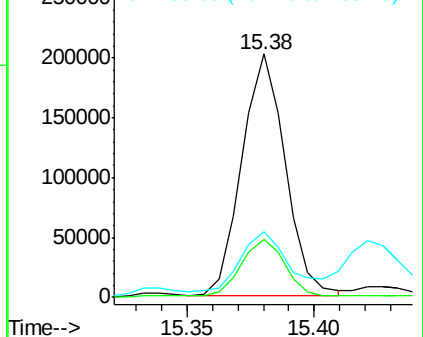
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Instrument :
BNA_F
ClientSampled :
B-19(7-9)

Tot Ion:264 Resp: 239846
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 27.0 17.3 25.9#

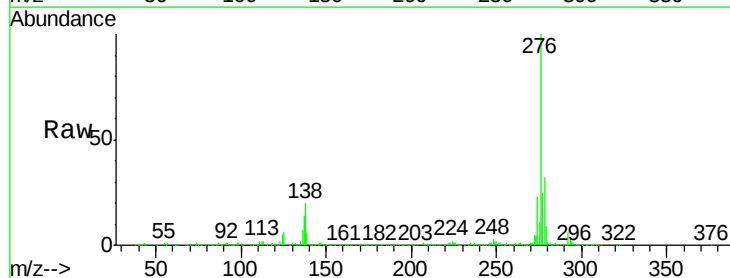


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

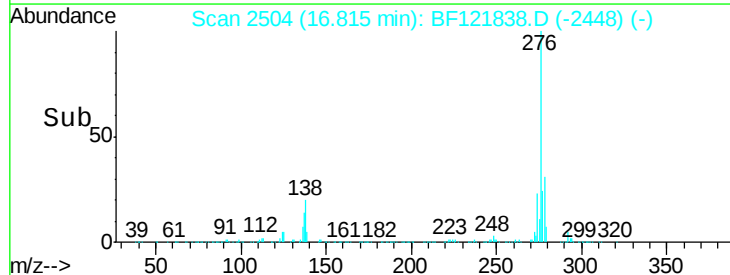
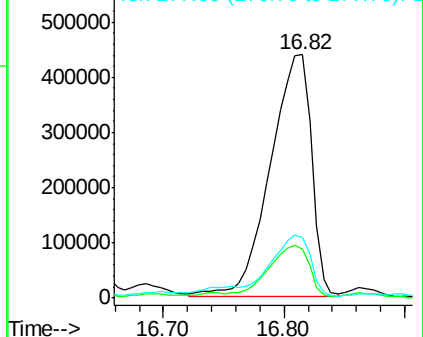


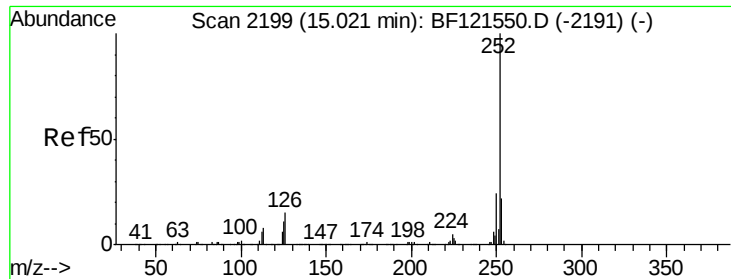
#87
Indeno(1,2,3-cd)pyrene
Concen: 66.372 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.03 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Tgt Ion:276 Resp: 1036703
Ion Ratio Lower Upper
276 100
138 20.6 19.9 29.9
277 23.8 20.4 30.6



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

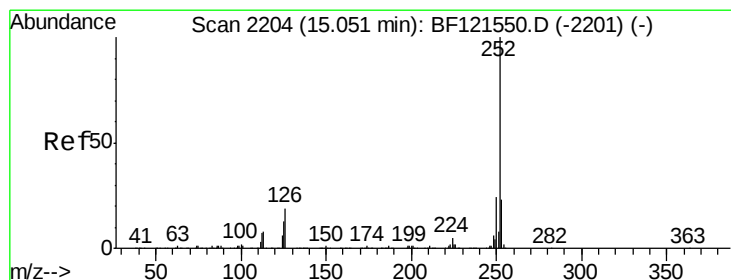
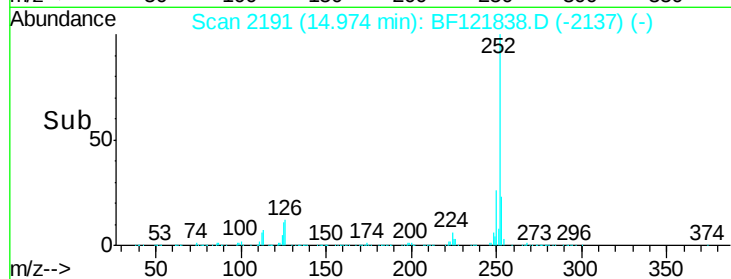
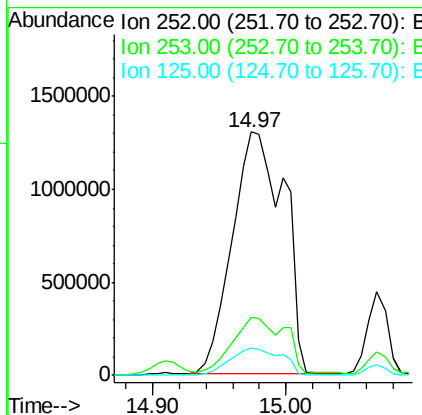
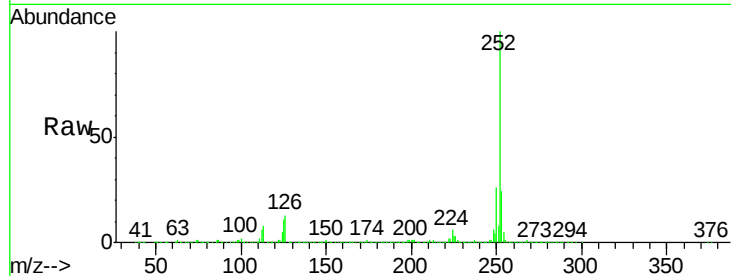




#88
Benzo(b)fluoranthene
Concen: 219.388 ng
RT: 14.97 min Scan# 2191
Delta R.T. 0.02 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

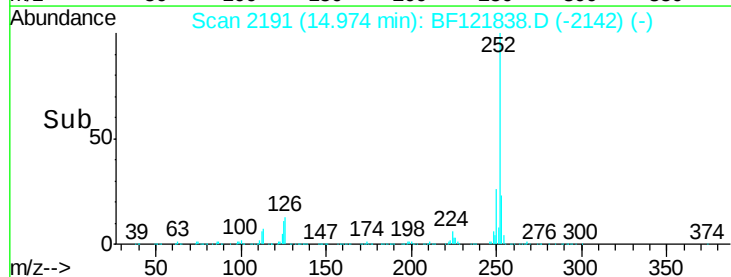
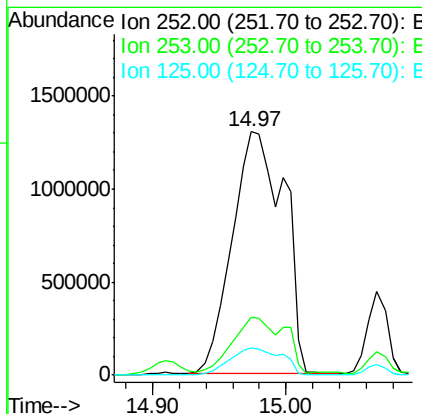
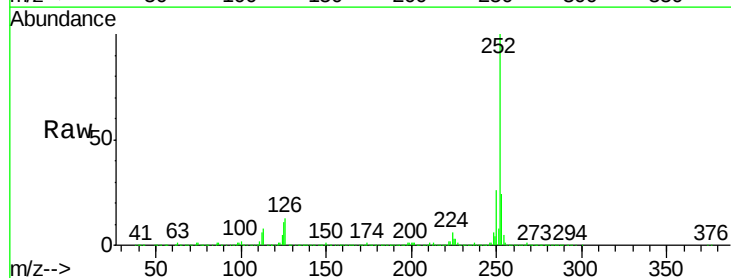
Instrument :
BNA_F
ClientSampleId :
B-19(7-9)

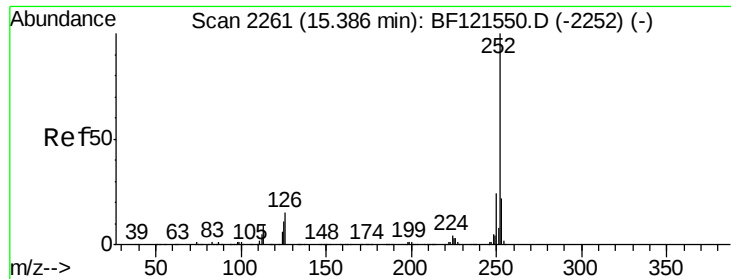
Tot Ion:252 Resp: 3517664
Ion Ratio Lower Upper
252 100
253 23.6 18.2 27.2
125 11.1 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 239.574 ng
RT: 14.97 min Scan# 2191
Delta R.T. -0.01 min
Lab File: BF121838.D
Acq: 6 Oct 2020 2:02

Tgt Ion:252 Resp: 3517664
Ion Ratio Lower Upper
252 100
253 23.6 17.8 26.6
125 11.1 7.7 11.5





#90

Benzo(a)pyrene

Concen: 137.433 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.02 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

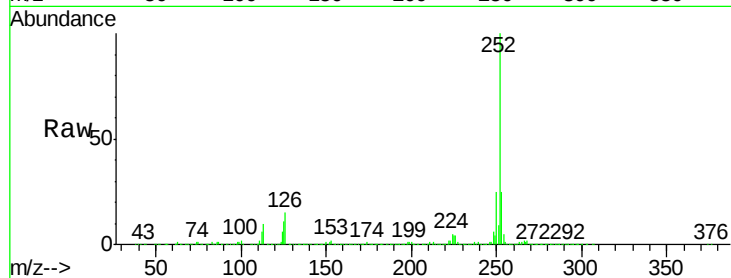
Tot Ion:252 Resp: 1873137

Ion Ratio Lower Upper

252 100

253 24.8 17.3 25.9

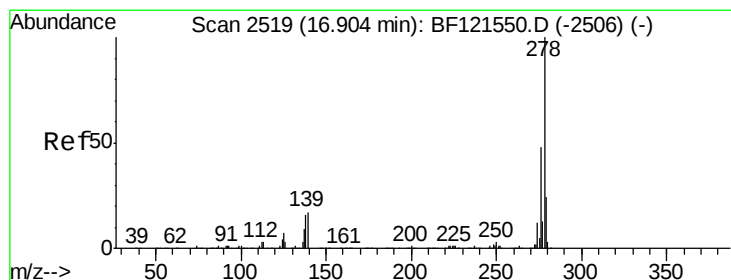
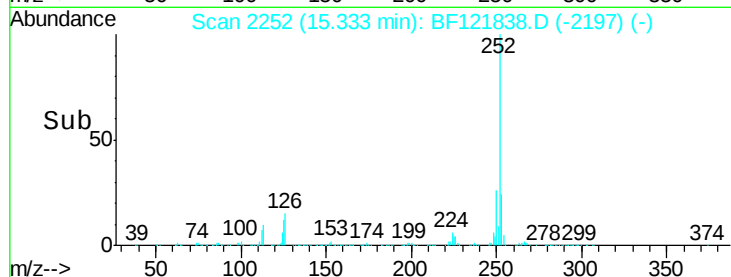
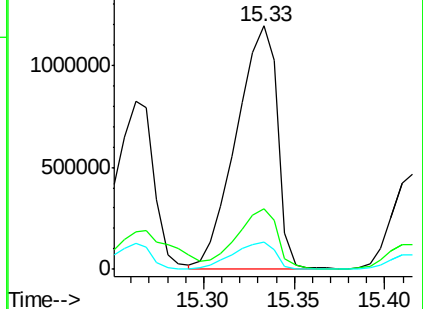
125 11.2 8.6 13.0



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



#91

Dibenzo(a,h)anthracene

Concen: 20.032 ng

RT: 16.96 min Scan# 2529

Delta R.T. 0.16 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

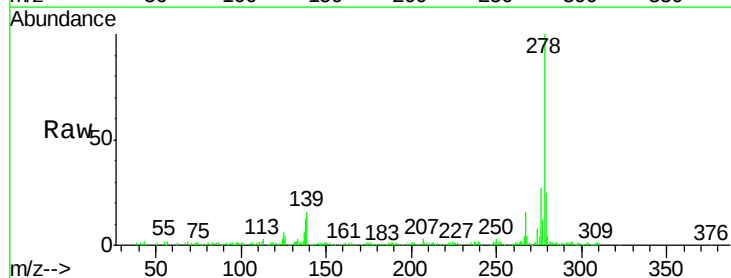
Tgt Ion:278 Resp: 260461

Ion Ratio Lower Upper

278 100

139 15.9 13.0 19.4

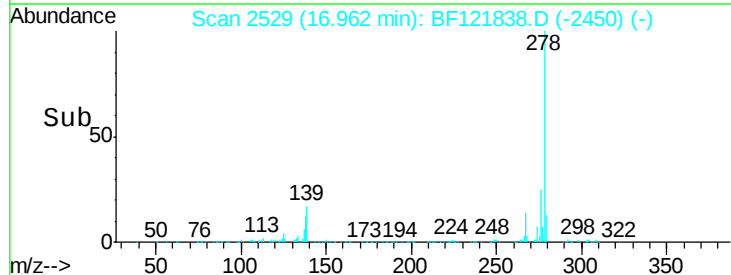
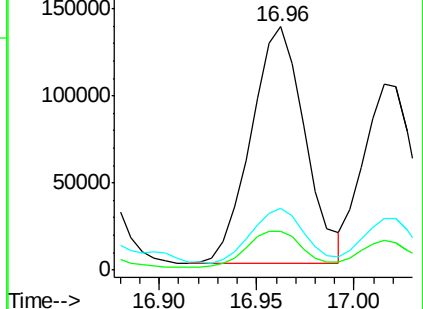
279 25.5 19.0 28.4

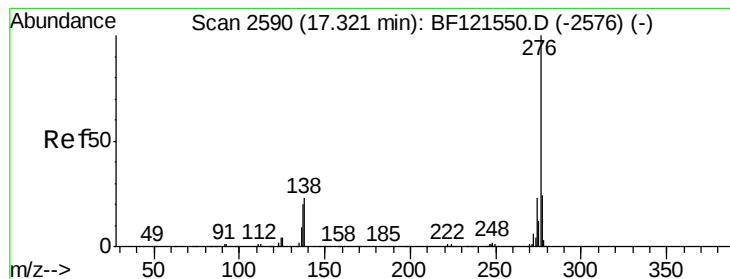


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 66.747 ng

RT: 17.24 min Scan# 2576

Delta R.T. 0.03 min

Lab File: BF121838.D

Acq: 6 Oct 2020 2:02

Instrument :

BNA_F

ClientSampleId :

B-19(7-9)

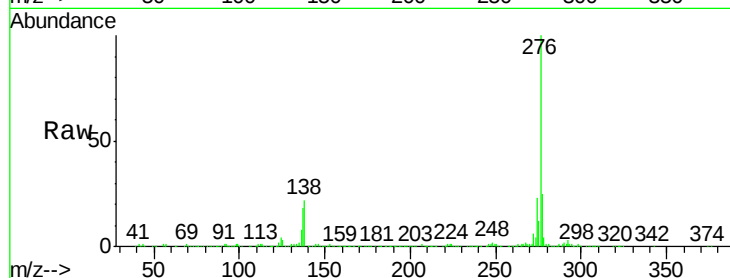
Tot Ion: 276 Resp: 853083

Ion Ratio Lower Upper

276 100

277 24.5 19.4 29.2

138 22.1 17.8 26.6



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

