

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121778.D
 Acq On : 1 Oct 2020 20:49
 Operator : JU/CG
 Sample : L4193-03DL 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-12(13-14)

Quant Time: Oct 02 00:38:40 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

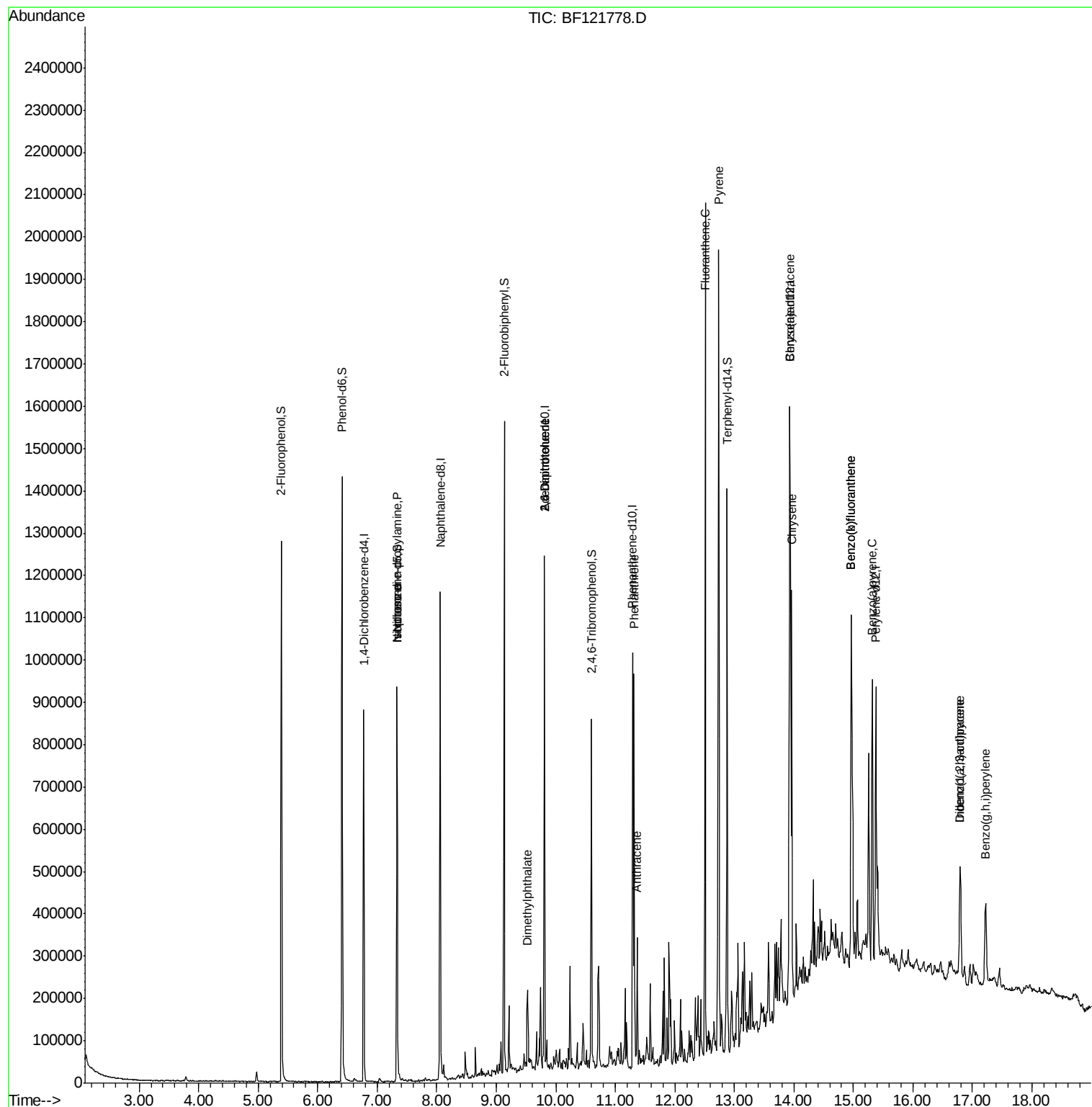
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	134042	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	488004	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	219673	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	352140	20.00	ng	0.00
76) Chrysene-d12	13.94	240	319054	20.00	ng	0.00
86) Perylene-d12	15.38	264	283922	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	364209	40.38	ng	0.00
7) Phenol-d6	6.41	99	443889	37.51	ng	0.00
23) Nitrobenzene-d5	7.33	82	279072	30.70	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	91407	33.48	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	498345	34.36	ng	0.00
79) Terphenyl-d14	12.87	244	413729	26.27	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.33	70	36106	5.294	ng	Qvalue # 80
25) Isophorone	7.33	82	279105	15.255	ng	# 67
50) Dimethylphthalate	9.53	163	42257	2.654	ng	99
51) 2,6-Dinitrotoluene	9.81	165	29251	8.627	ng	# 21
57) 2,4-Dinitrotoluene	9.81	165	29251	6.857	ng	# 20
71) Phenanthrene	11.32	178	341882	17.819	ng	99
72) Anthracene	11.37	178	104606	5.283	ng	98
75) Fluoranthene	12.51	202	750422	36.640	ng	99
78) Pyrene	12.74	202	752807	32.294	ng	98
81) Benzo(a)anthracene	13.93	228	415849	20.602	ng	100
83) Chrysene	13.96	228	382008	18.689	ng	97
87) Indeno(1,2,3-cd)pyrene	16.79	276	179469	9.706	ng	93
88) Benzo(b)fluoranthene	14.96	252	593207	31.254	ng	99
89) Benzo(k)fluoranthene	14.96	252	593207	34.129	ng	98
90) Benzo(a)pyrene	15.32	252	317436	19.675	ng	97
91) Dibenzo(a,h)anthracene	16.80	278	43362	2.817	ng	# 76
92) Benzo(g,h,i)perylene	17.22	276	159173	10.521	ng	100

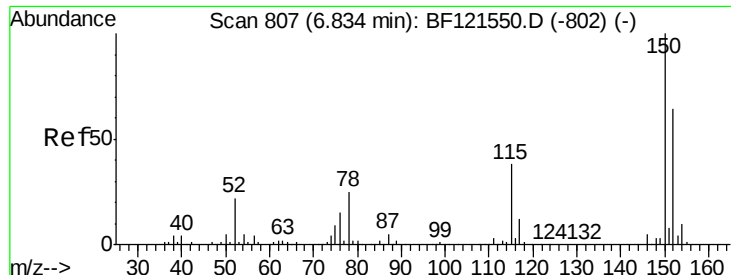
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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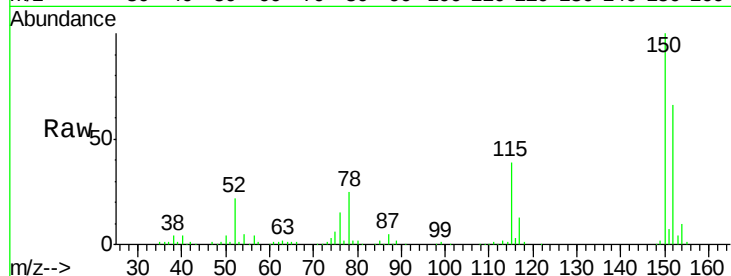


#1

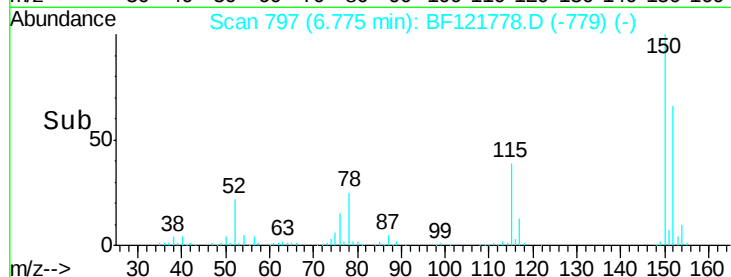
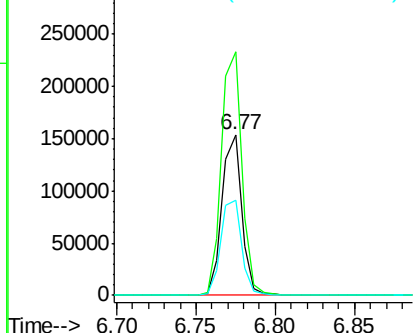
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. 0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Instrument :
BNA_F
ClientSampleId :
B-12(13-14)

Tot Ion:152 Resp: 134042
Ion Ratio Lower Upper
152 100
150 151.3 125.3 187.9
115 59.5 51.9 77.9



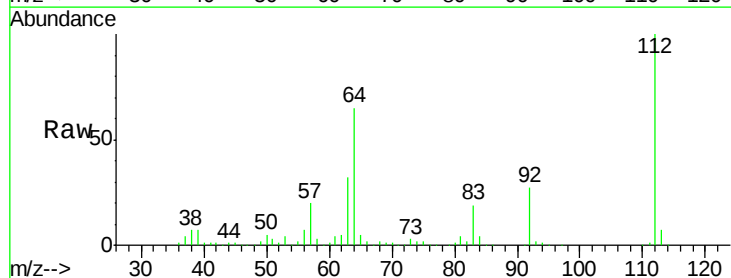
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



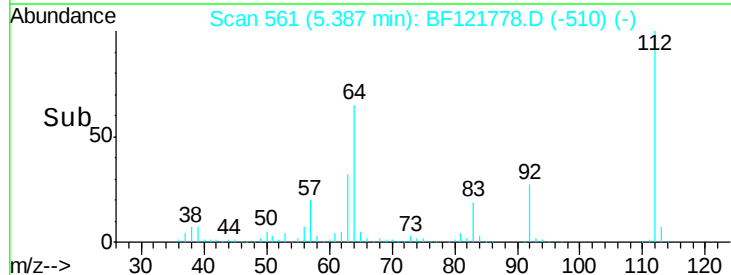
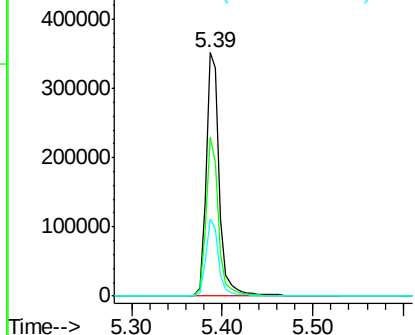
#5

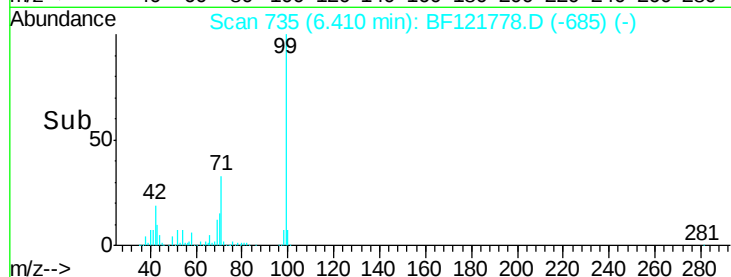
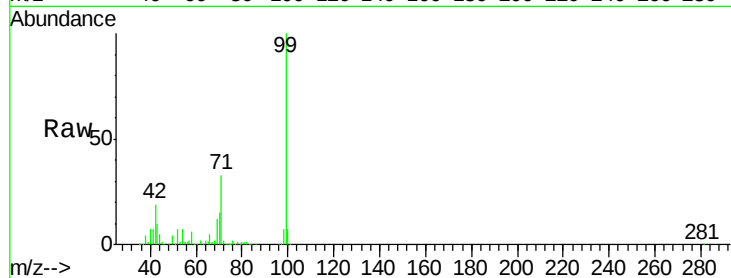
2-Fluorophenol
Concen: 40.380 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.00 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Tgt Ion:112 Resp: 364209
Ion Ratio Lower Upper
112 100
64 65.2 50.4 75.6
63 31.7 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: 37.512 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Instrument :

BNA_F

ClientSampleId :

B-12(13-14)

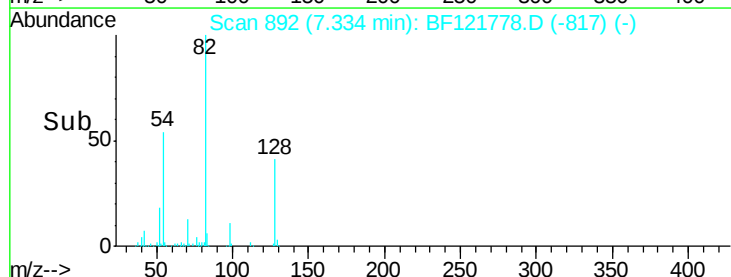
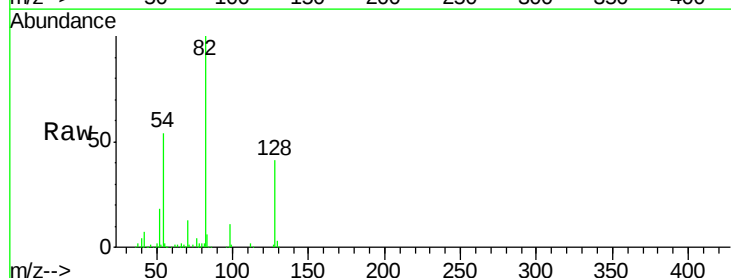
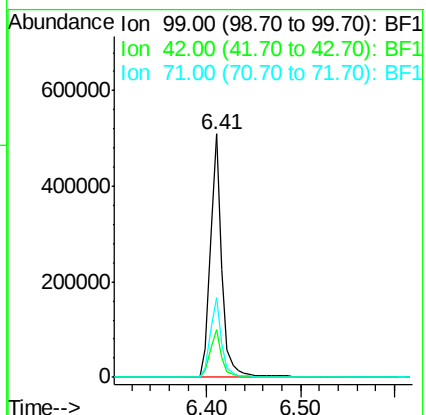
Tot Ion: 99 Resp: 443889

Ion Ratio Lower Upper

99 100

42 19.5 15.9 23.9

71 32.9 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 5.294 ng

RT: 7.33 min Scan# 892

Delta R.T. 0.14 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Tgt Ion: 70 Resp: 36106

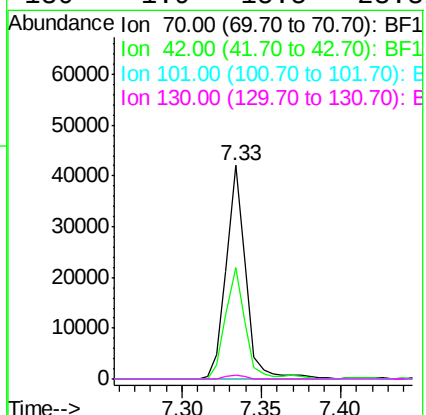
Ion Ratio Lower Upper

70 100

42 52.5 50.2 75.4

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

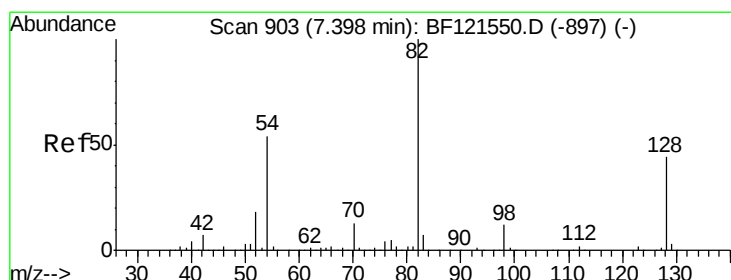
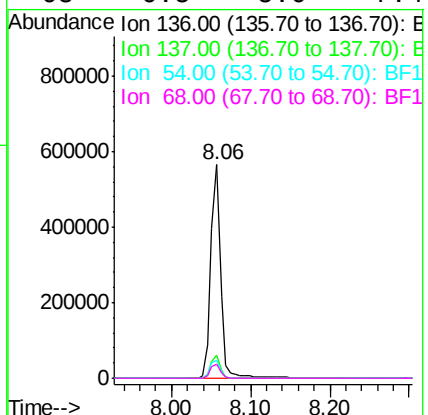
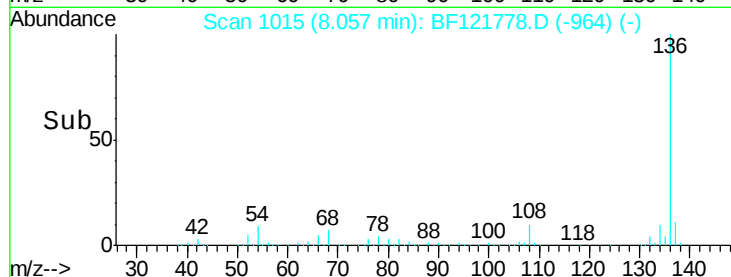
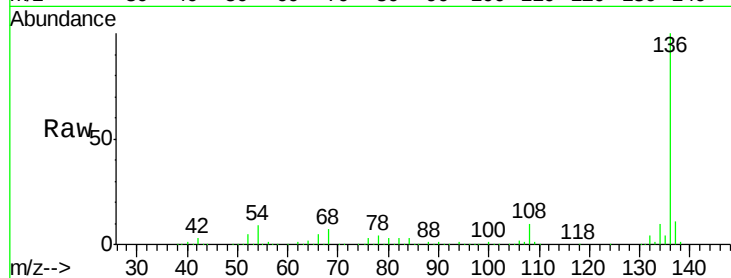




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. 0.00 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

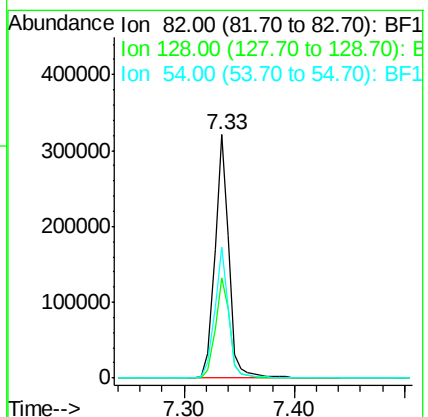
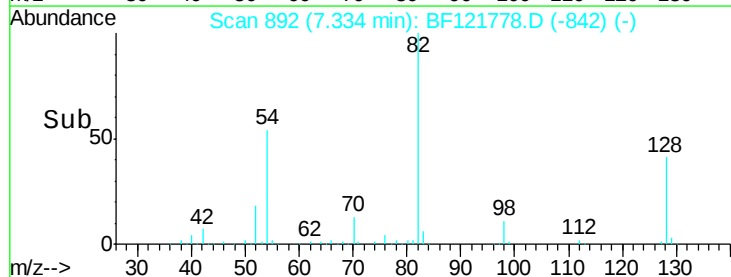
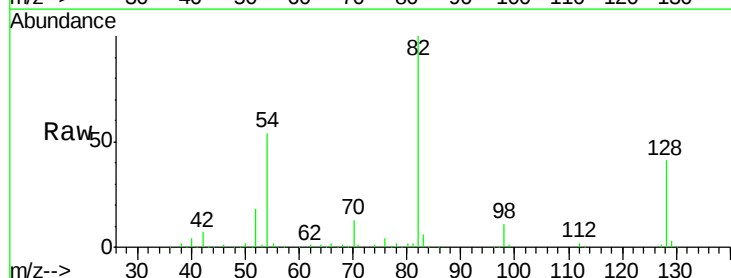
Instrument :
BNA_F
ClientSampleId :
B-12(13-14)

Tot Ion:136 Resp: 488004
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.7 7.1 10.7
68 6.5 5.0 7.4



#23
Nitrobenzene-d5
Concen: 30.704 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Tgt Ion: 82 Resp: 279072
Ion Ratio Lower Upper
82 100
128 41.2 35.0 52.4
54 53.8 43.9 65.9





#25

Isophorone

Concen: 15.255 ng

RT: 7.33 min Scan# 892

Delta R.T. -0.26 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Instrument :

BNA_F

ClientSampled :

B-12(13-14)

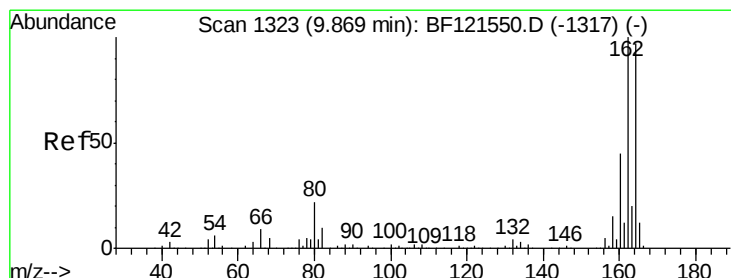
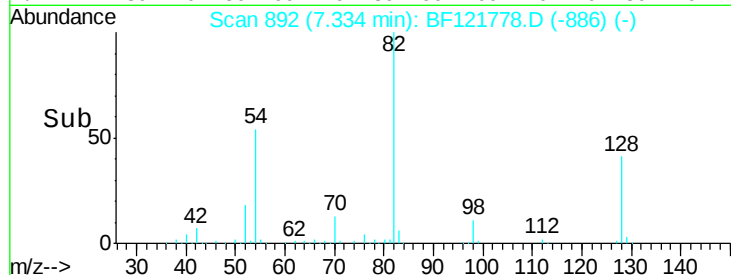
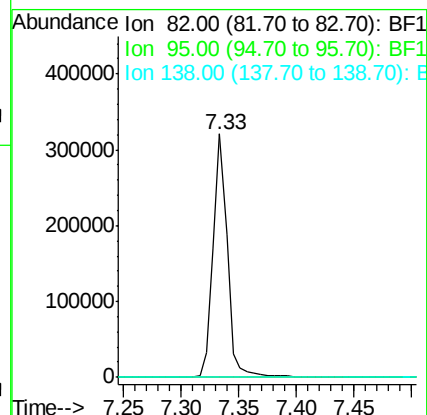
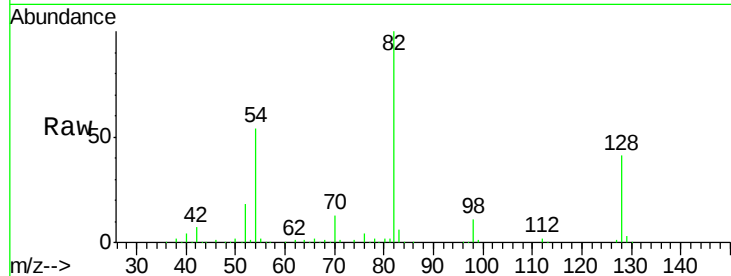
Tot Ion: 82 Resp: 279105

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.4 20.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.00 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

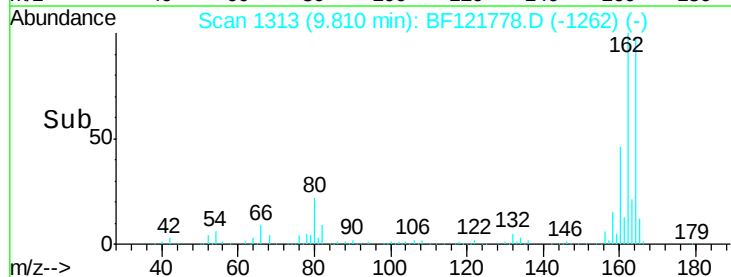
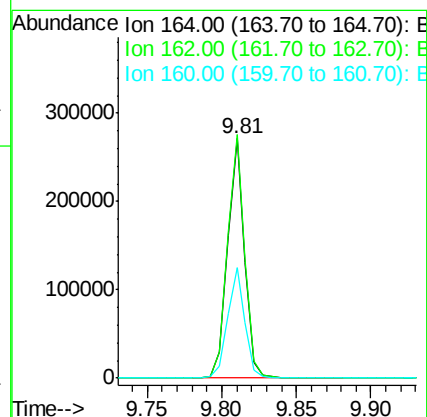
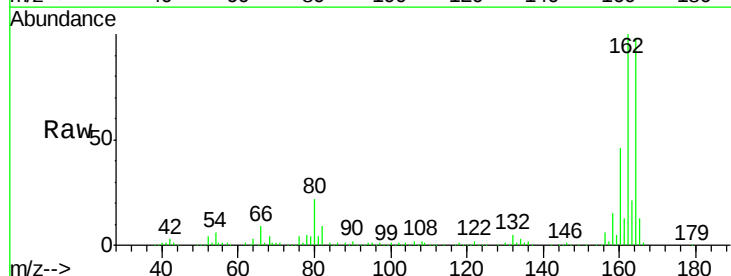
Tgt Ion:164 Resp: 219673

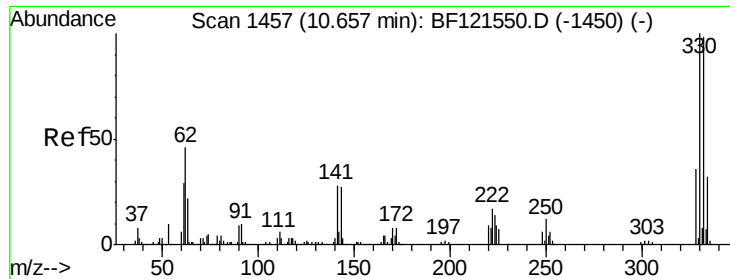
Ion Ratio Lower Upper

164 100

162 101.6 83.2 124.8

160 46.3 37.5 56.3

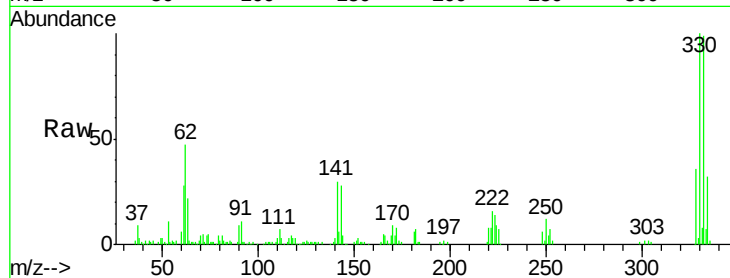




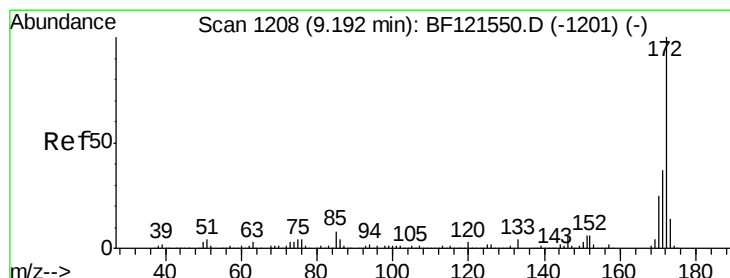
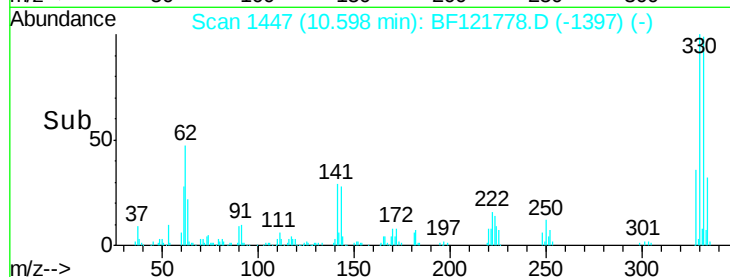
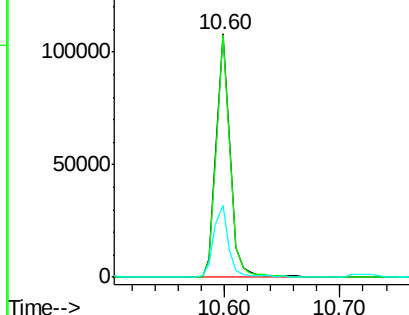
#42
 2,4,6-Tribromophenol
 Concen: 33.479 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.01 min
 Lab File: BF121778.D
 Acq: 1 Oct 2020 20:49

Instrument :
 BNA_F
 ClientSampleId :
 B-12(13-14)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.3	115.9
141	32.9	22.3	33.5

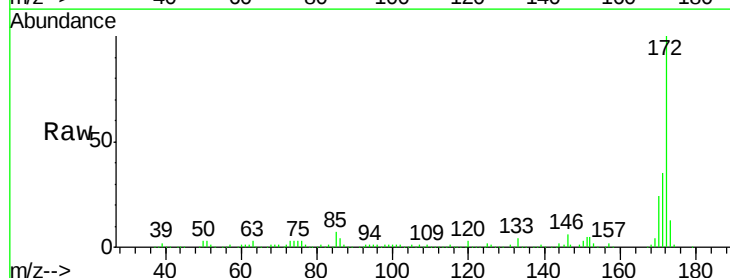


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

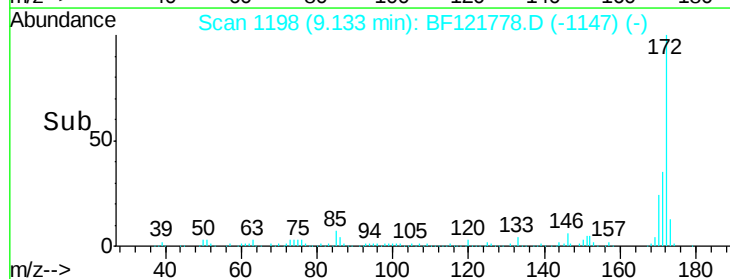
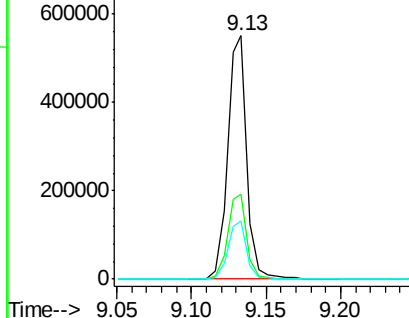


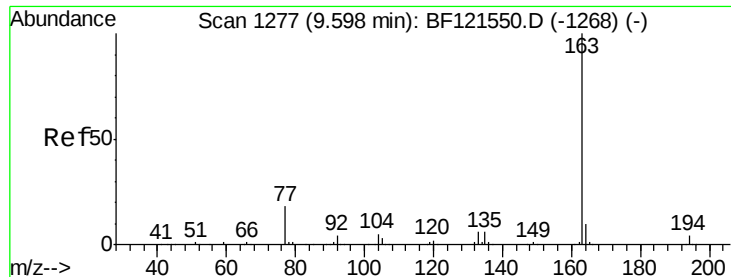
#45
 2-Fluorobiphenyl
 Concen: 34.358 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. 0.00 min
 Lab File: BF121778.D
 Acq: 1 Oct 2020 20:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.1	43.7
170	23.7	19.8	29.6



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

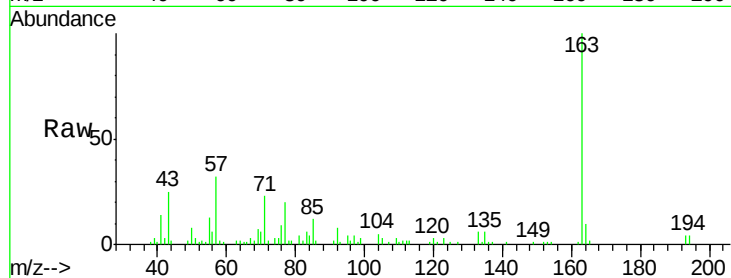




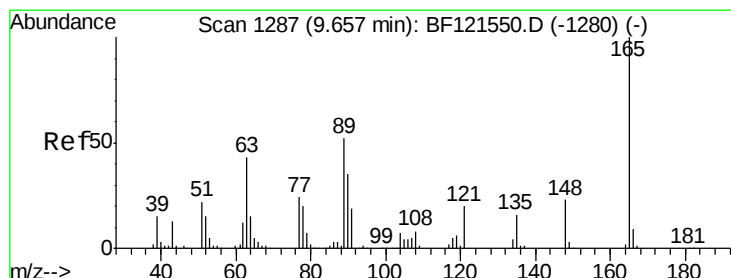
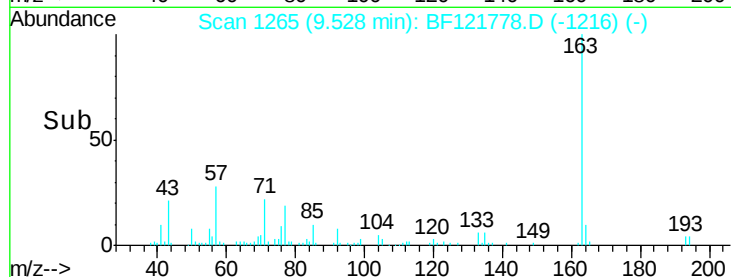
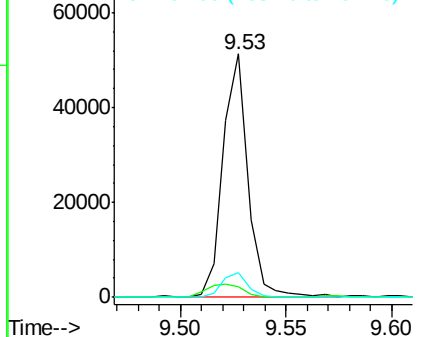
#50
Dimethylphthalate
Concen: 2.654 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Instrument :
BNA_F
ClientSampleId :
B-12(13-14)

Tot Ion:163 Resp: 42257
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.0 8.2 12.4

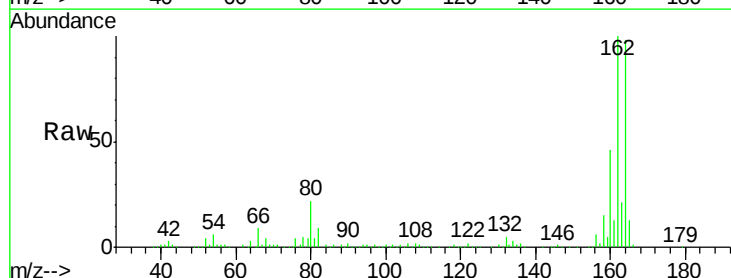


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

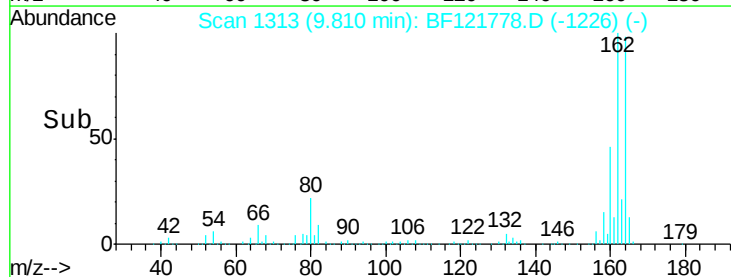
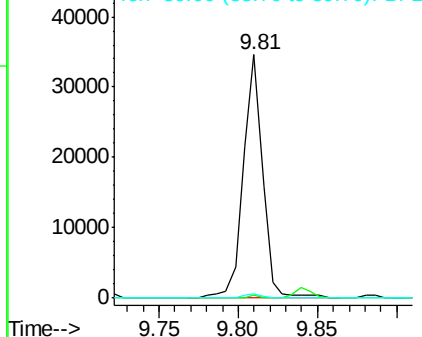


#51
2,6-Dinitrotoluene
Concen: 8.627 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.21 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Tgt Ion:165 Resp: 29251
Ion Ratio Lower Upper
165 100
63 1.4 51.8 77.6#
89 1.7 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





#57

2,4-Dinitrotoluene

Concen: 6.857 ng

RT: 9.81 min Scan# 1313

Delta R.T. -0.19 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Instrument :

BNA_F

ClientSampleId :

B-12(13-14)

Tot Ion:165 Resp: 29251

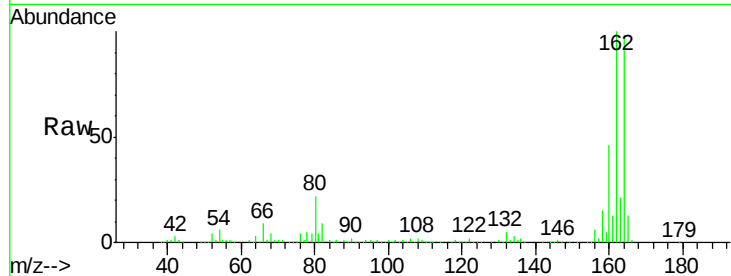
Ion Ratio Lower Upper

165 100

63 1.4 41.3 61.9#

89 1.7 61.8 92.8#

182 0.0 2.1 3.1#

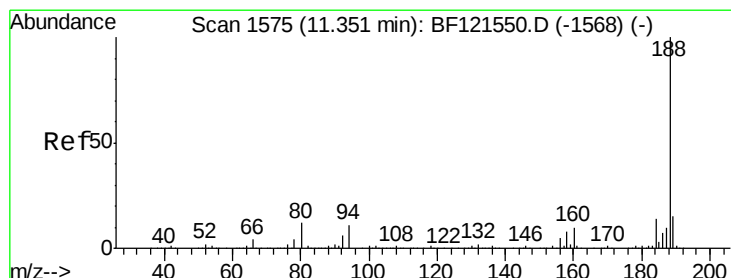
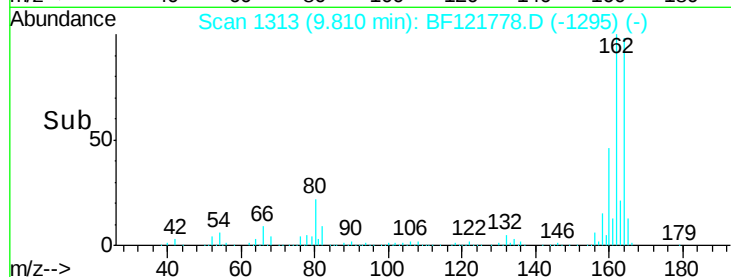
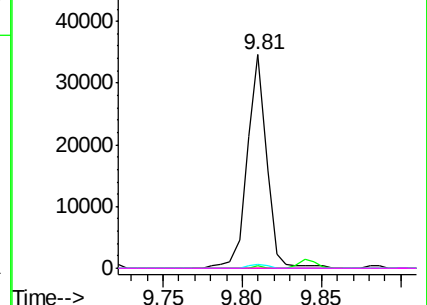


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. 0.00 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

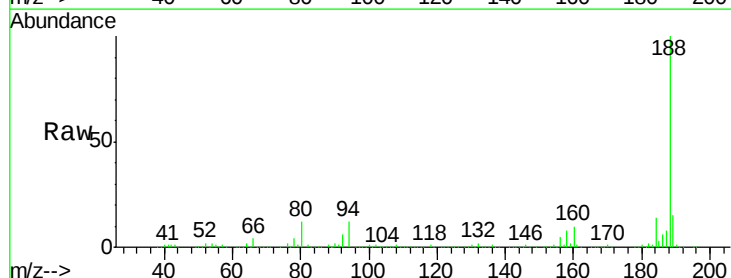
Tgt Ion:188 Resp: 352140

Ion Ratio Lower Upper

188 100

94 11.8 8.3 12.5

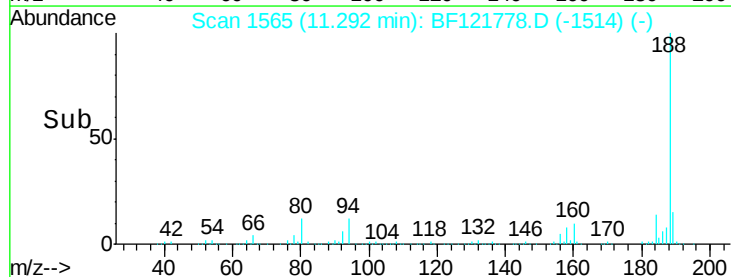
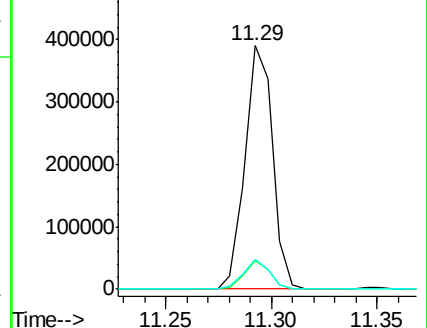
80 12.2 9.1 13.7

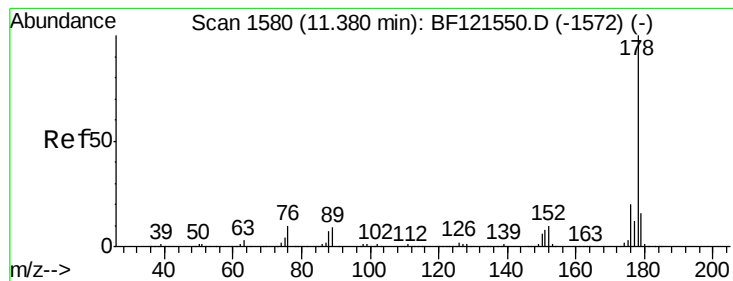


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 17.819 ng

RT: 11.32 min Scan# 1569

Delta R.T. -0.01 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Instrument :

BNA_F

ClientSampleId :

B-12(13-14)

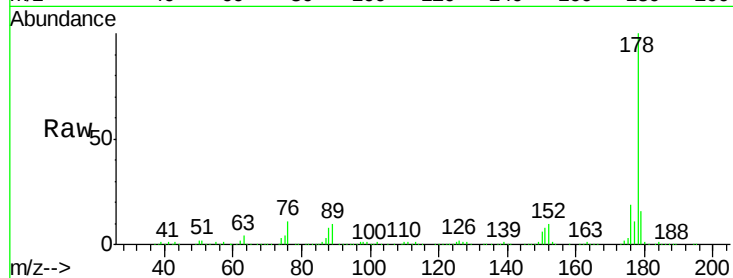
Tot Ion:178 Resp: 341882

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

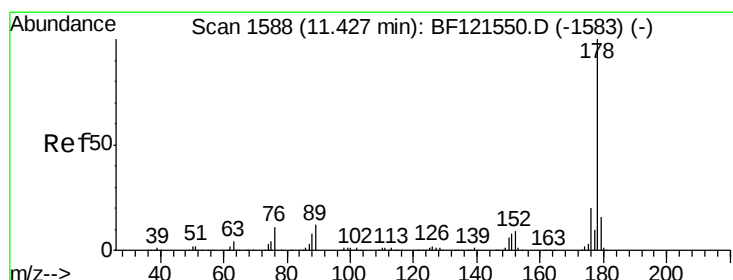
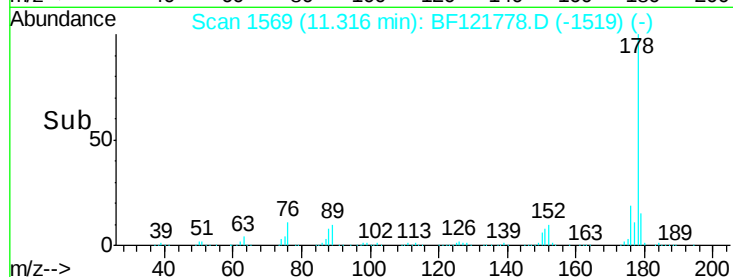
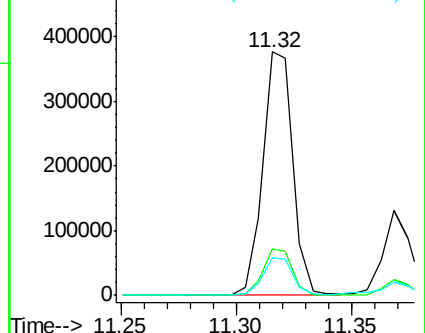
179 15.6 12.2 18.4



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: 5.283 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

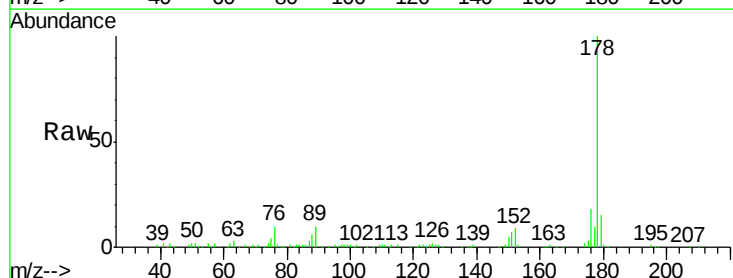
Tgt Ion:178 Resp: 104606

Ion Ratio Lower Upper

178 100

176 18.3 15.7 23.5

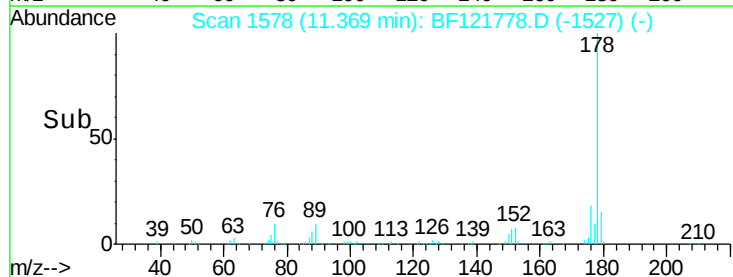
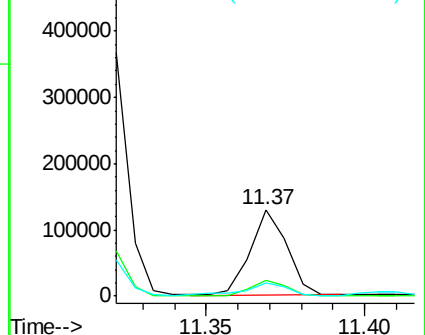
179 15.5 12.7 19.1

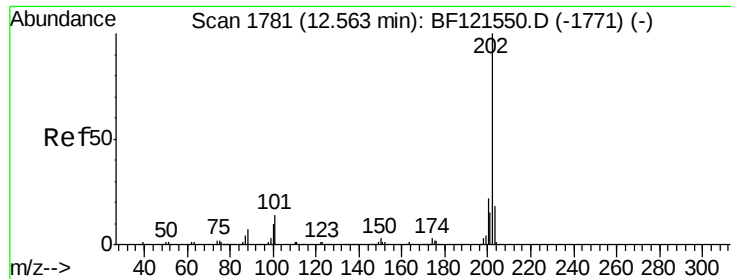


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 36.640 ng

RT: 12.51 min Scan# 1772

Delta R.T. 0.01 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Instrument :

BNA_F

ClientSampleId :

B-12(13-14)

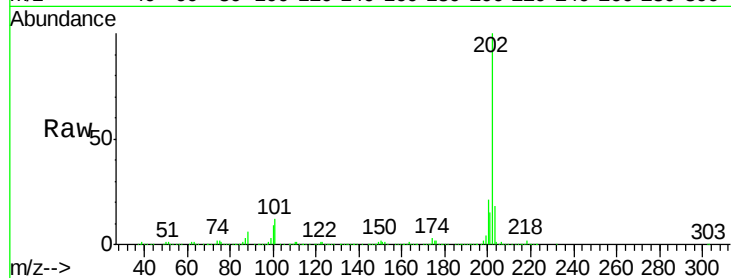
Tot Ion:202 Resp: 750422

Ion Ratio Lower Upper

202 100

101 12.5 0.0 33.4

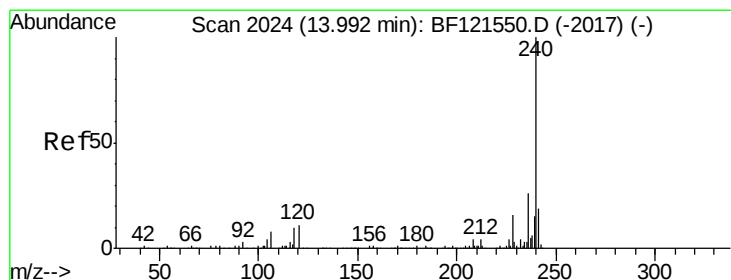
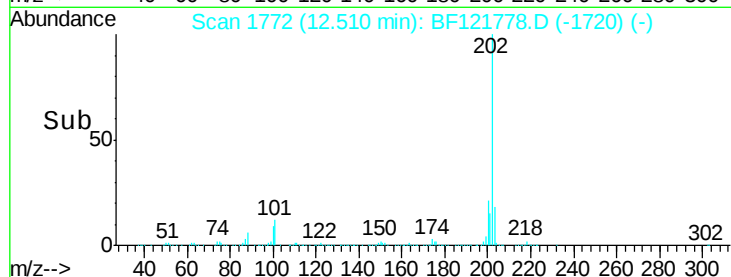
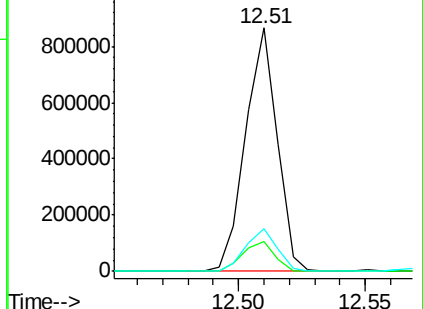
203 17.7 0.0 37.9



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: BF121778.D

Acq: 1 Oct 2020 20:49

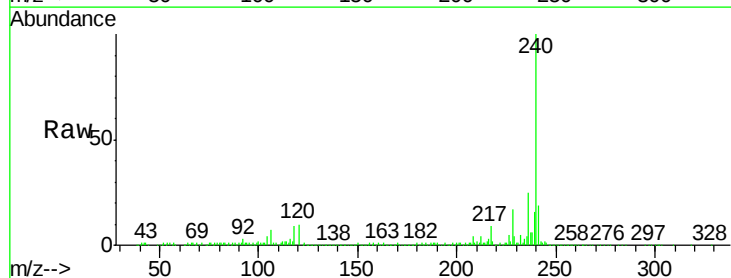
Tgt Ion:240 Resp: 319054

Ion Ratio Lower Upper

240 100

120 9.8 9.2 13.8

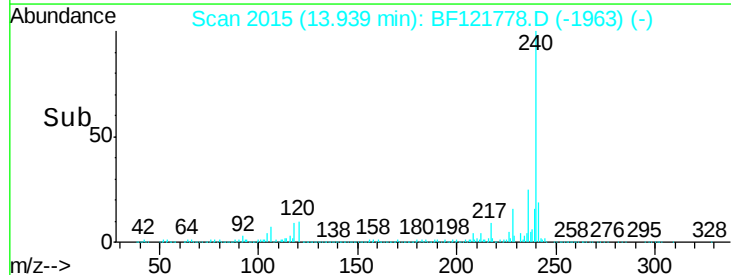
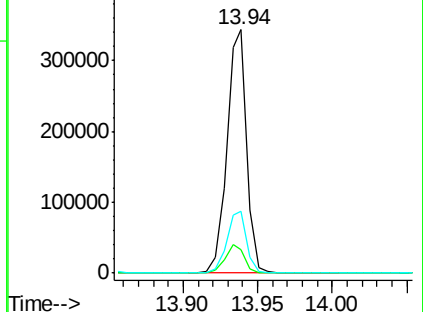
236 25.2 20.9 31.3

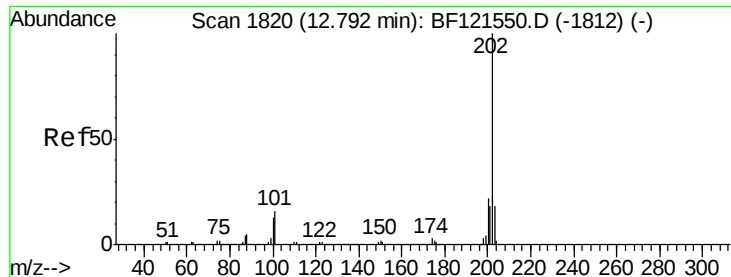


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

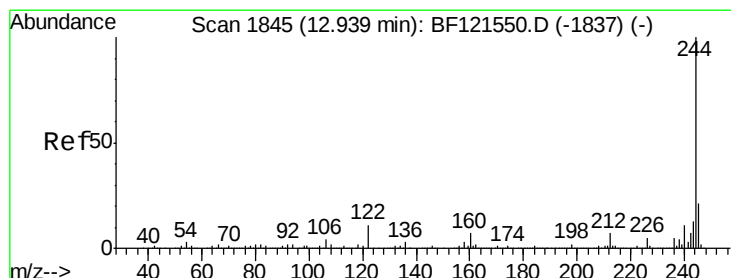
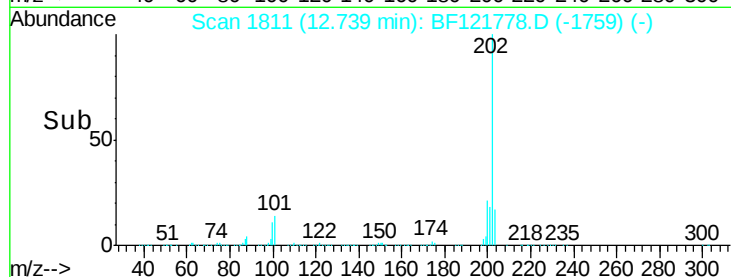
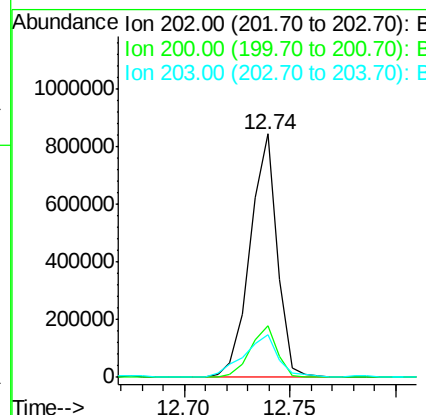
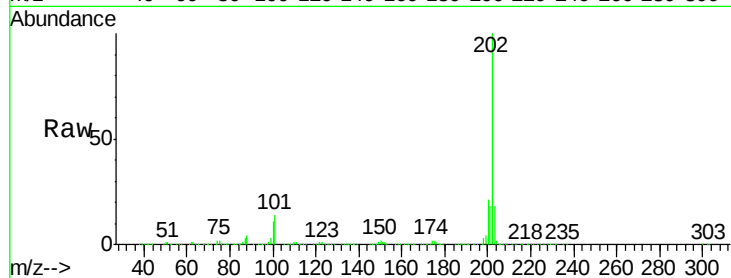




#78
Pvrene
Concen: 32.294 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

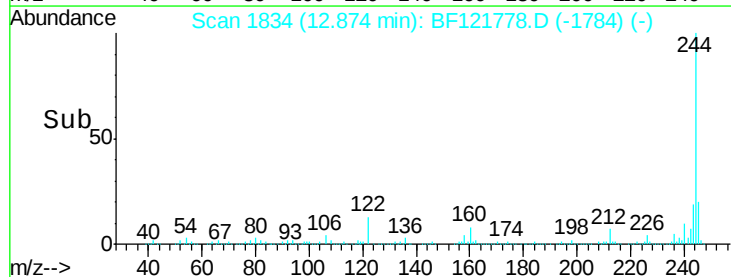
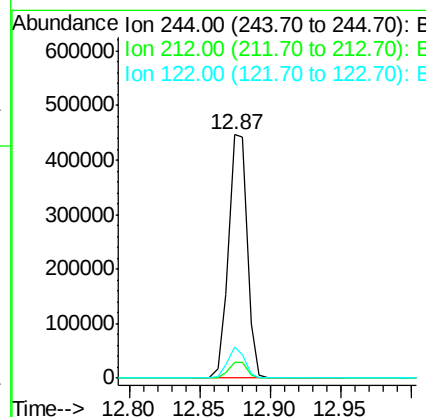
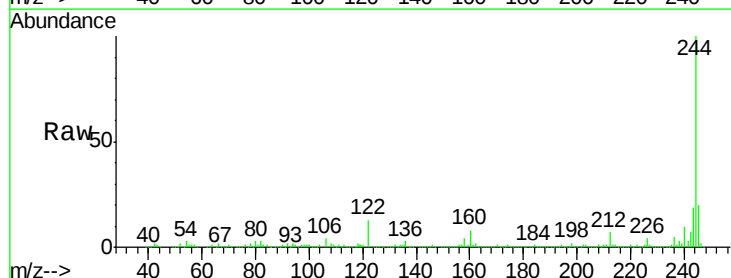
Instrument :
BNA_F
ClientSampled :
B-12(13-14)

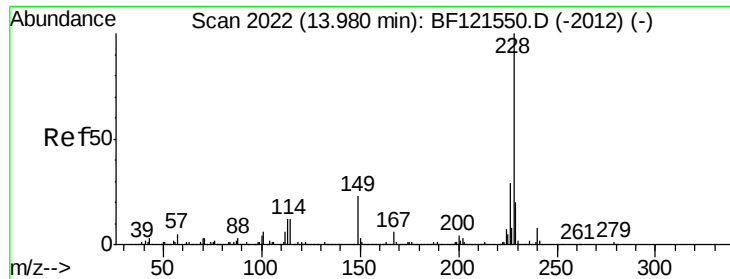
Tot Ion:202 Resp: 752807
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.2
203 17.6 14.6 21.8



#79
Terphenyl-d14
Concen: 26.271 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Tgt Ion:244 Resp: 413729
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 12.7 8.1 12.1#

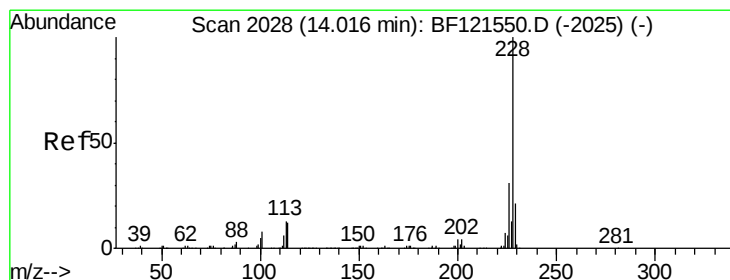
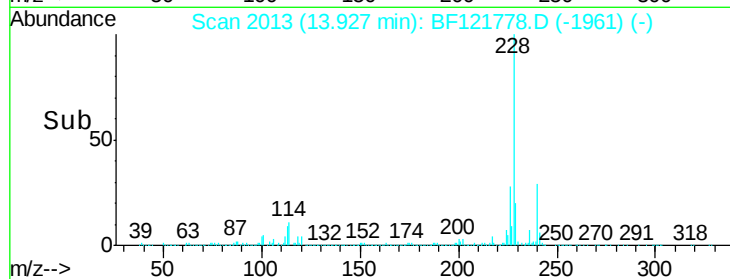
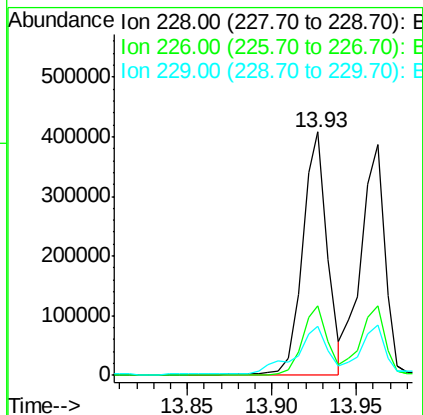
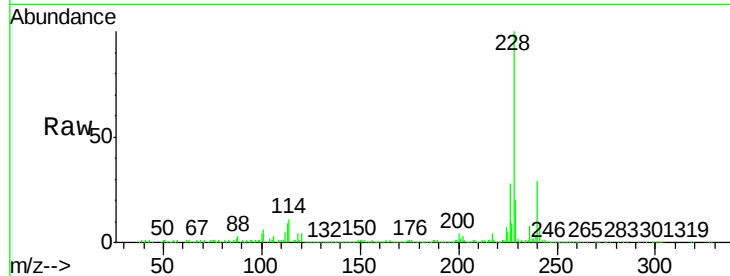




#81
Benzo(a)anthracene
Concen: 20.602 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

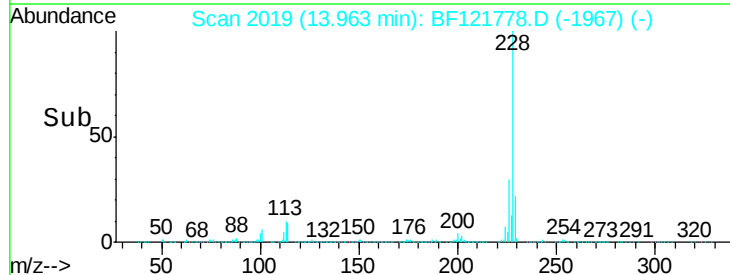
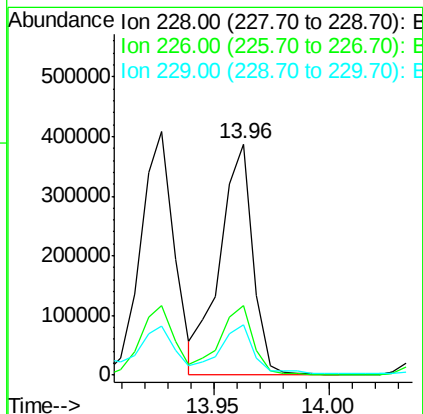
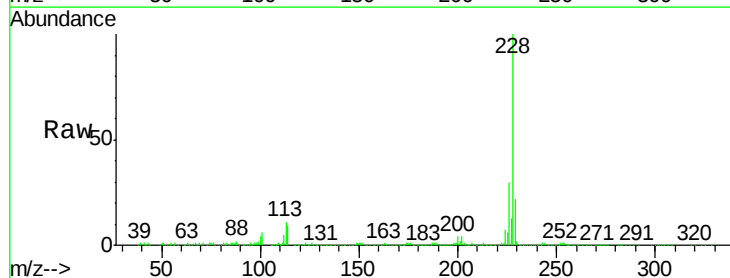
Instrument :
BNA_F
ClientSampleId :
B-12(13-14)

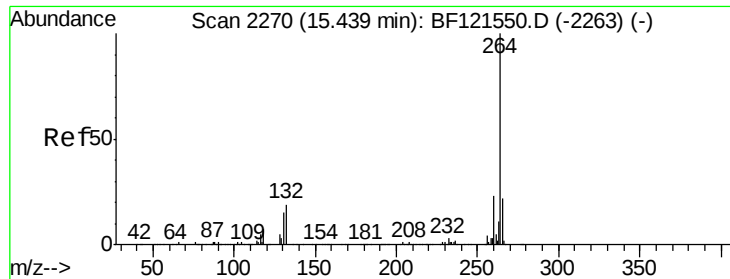
Tot Ion:228 Resp: 415849
Ion Ratio Lower Upper
228 100
226 28.3 22.3 33.5
229 20.3 16.2 24.4



#83
Chrysene
Concen: 18.689 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Tgt Ion:228 Resp: 382008
Ion Ratio Lower Upper
228 100
226 29.9 24.6 37.0
229 21.9 15.9 23.9

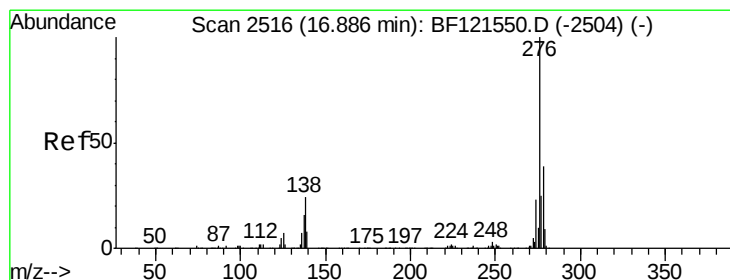
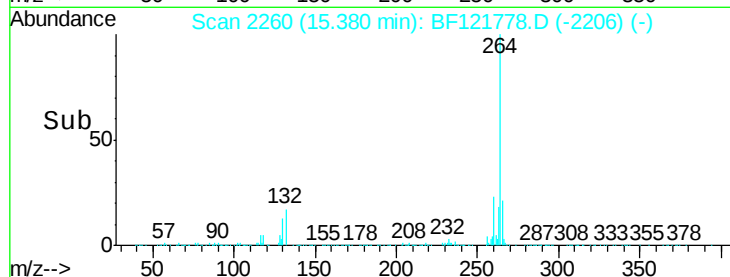
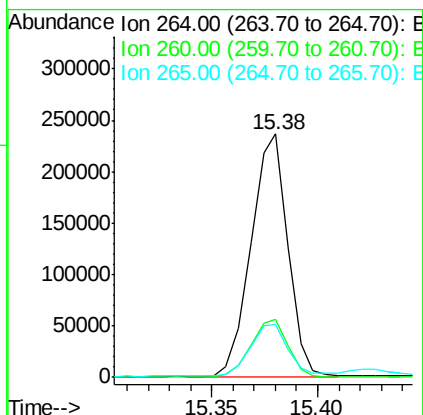
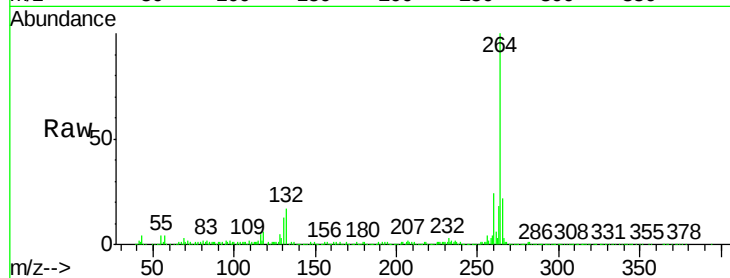




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.02 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

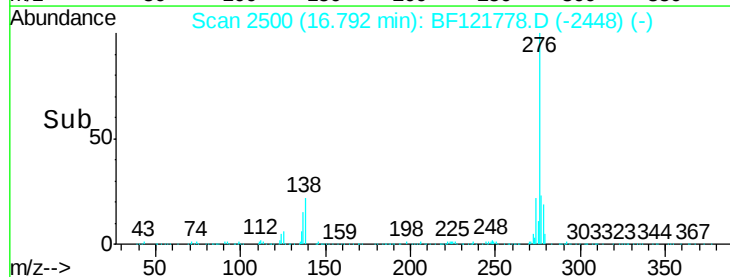
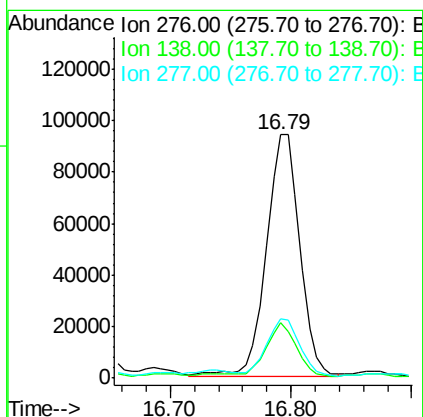
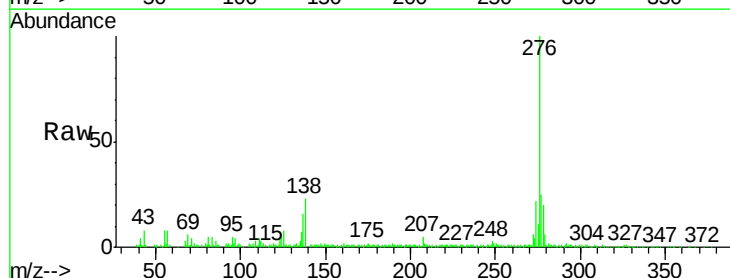
Instrument :
BNA_F
ClientSampleId :
B-12(13-14)

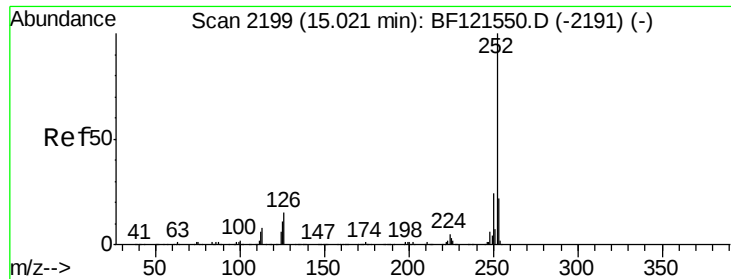
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	21.9	17.3	25.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 9.706 ng
RT: 16.79 min Scan# 2500
Delta R.T. 0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.3	19.9	29.9
277	23.4	20.4	30.6

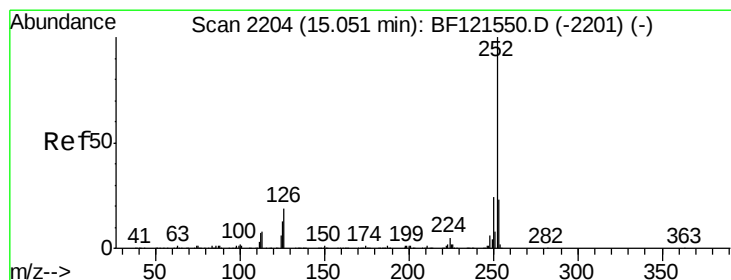
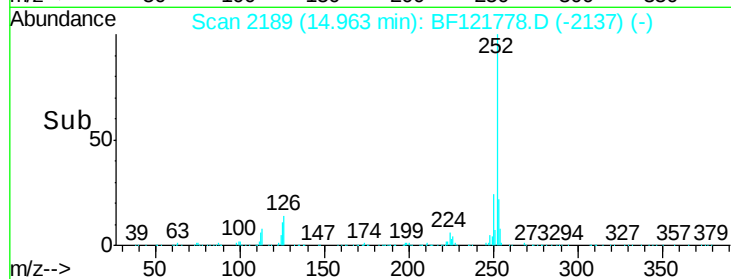
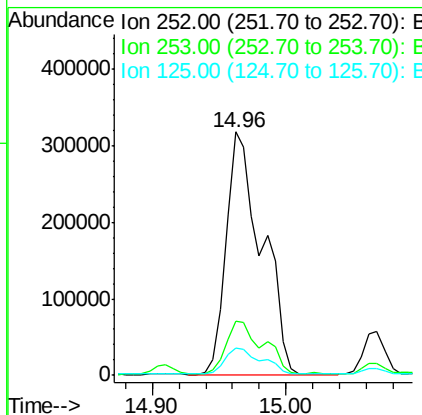
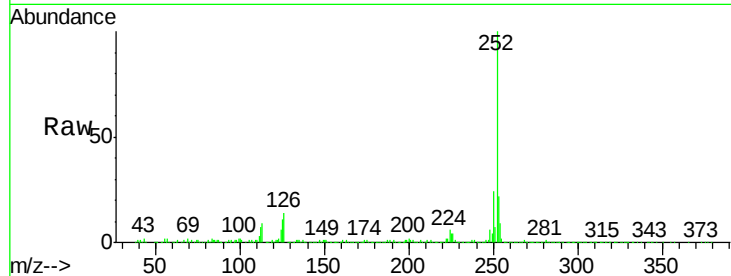




#88
Benzo(b)fluoranthene
Concen: 31.254 ng
RT: 14.96 min Scan# 2189
Delta R.T. 0.01 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

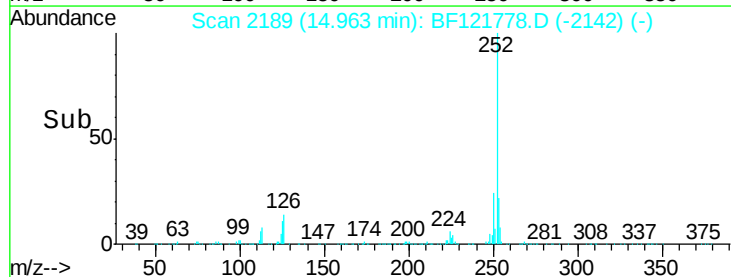
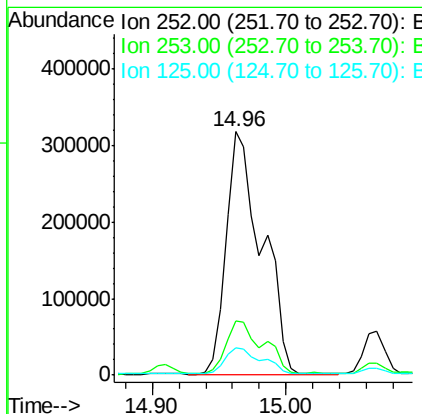
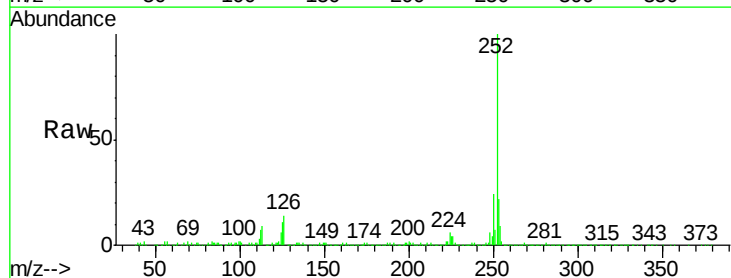
Instrument :
BNA_F
ClientSampleId :
B-12(13-14)

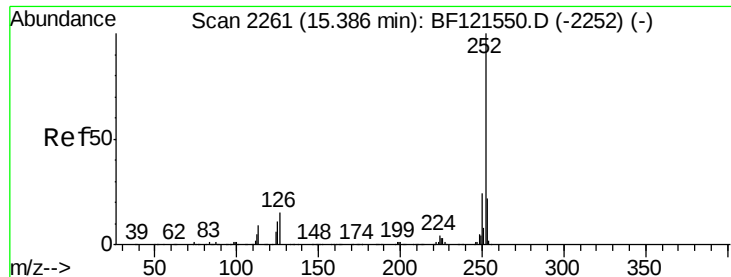
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	11.3	8.0	12.0



#89
Benzo(k)fluoranthene
Concen: 34.129 ng
RT: 14.96 min Scan# 2189
Delta R.T. -0.02 min
Lab File: BF121778.D
Acq: 1 Oct 2020 20:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.3	7.7	11.5





#90

Benzo(a)pyrene

Concen: 19.675 ng

RT: 15.32 min Scan# 2249

Delta R.T. 0.01 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Instrument :

BNA_F

ClientSampleId :

B-12(13-14)

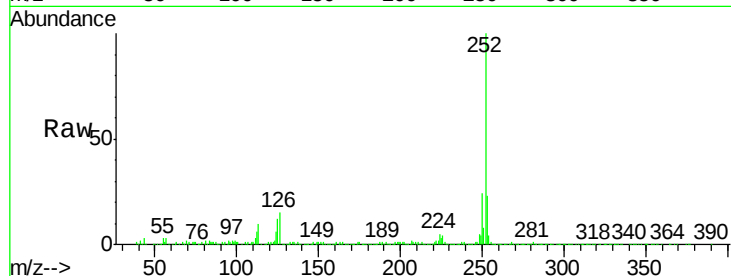
Tot Ion:252 Resp: 317436

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

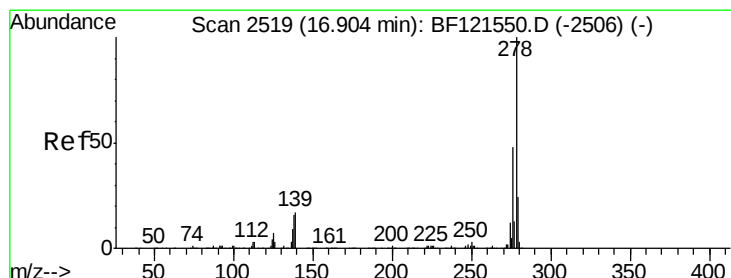
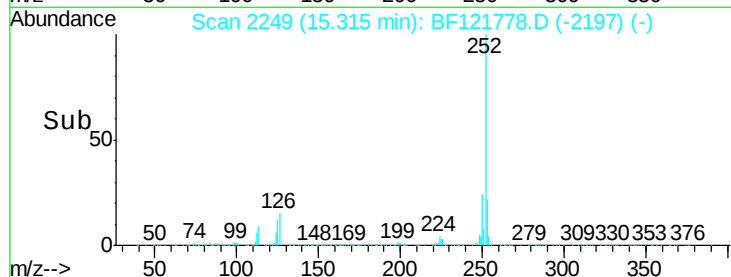
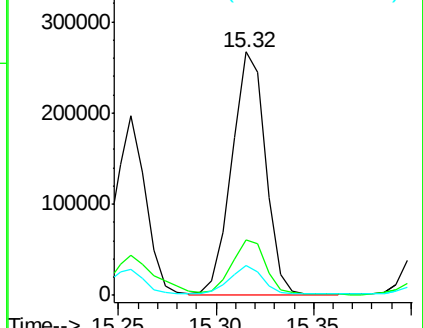
125 12.5 8.6 13.0



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: 2.817 ng

RT: 16.80 min Scan# 2501

Delta R.T. 0.00 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

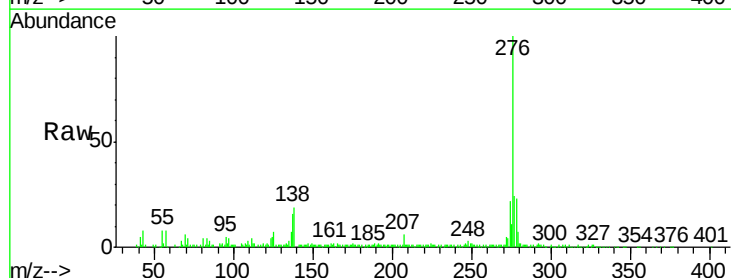
Tgt Ion:278 Resp: 43362

Ion Ratio Lower Upper

278 100

139 0.0 13.0 19.4#

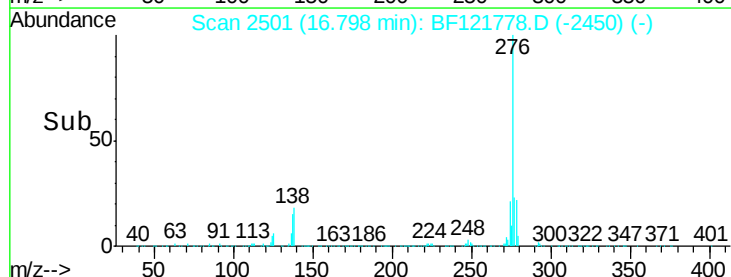
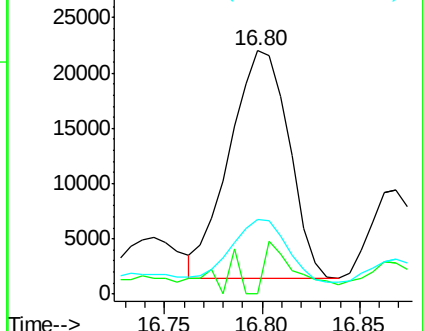
279 30.6 19.0 28.4#

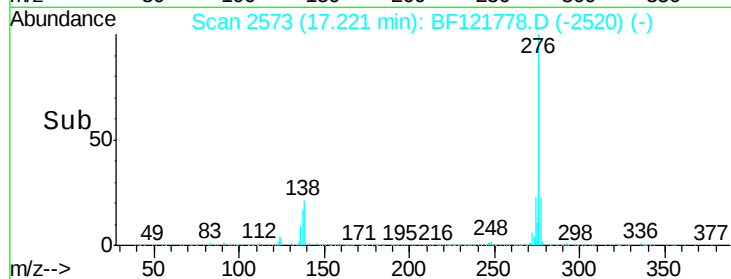
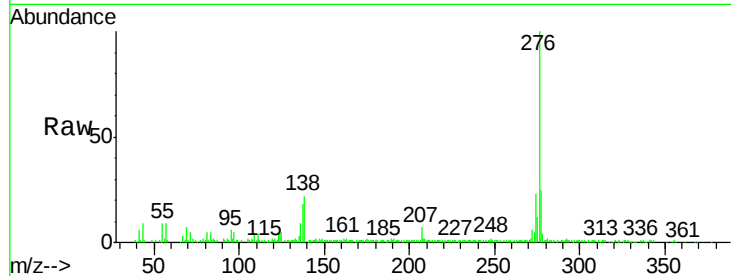
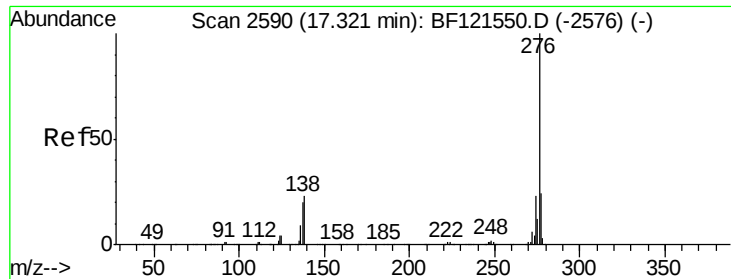


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.521 ng

RT: 17.22 min Scan# 2573

Delta R.T. 0.01 min

Lab File: BF121778.D

Acq: 1 Oct 2020 20:49

Instrument :

BNA_F

ClientSampleId :

B-12(13-14)

Tot Ion:276 Resp: 159173

Ion Ratio Lower Upper

276 100

277 24.7 19.4 29.2

138 22.2 17.8 26.6

