

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
 Data File : BF121780.D  
 Acq On : 1 Oct 2020 21:50  
 Operator : JU/CG  
 Sample : L4193-04  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-13(11-13)

Quant Time: Oct 02 00:39:32 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  | 129362   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.06  | 136  | 449890   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.82  | 164  | 198850   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.30 | 188  | 327302   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.95 | 240  | 272602   | 20.00 | ng    | 0.02     |
| 86) Perylene-d12          | 15.39 | 264  | 266061   | 20.00 | ng    | 0.03     |

## System Monitoring Compounds

|                          |       |     |        |       |    |      |
|--------------------------|-------|-----|--------|-------|----|------|
| 5) 2-Fluorophenol        | 5.40  | 112 | 792152 | 91.00 | ng | 0.01 |
| 7) Phenol-d6             | 6.42  | 99  | 997716 | 87.37 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.34  | 82  | 651143 | 77.71 | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 10.60 | 330 | 212366 | 85.93 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 9.13  | 172 | 953249 | 72.60 | ng | 0.00 |
| 79) Terphenyl-d14        | 12.89 | 244 | 835241 | 62.07 | ng | 0.00 |

## Target Compounds

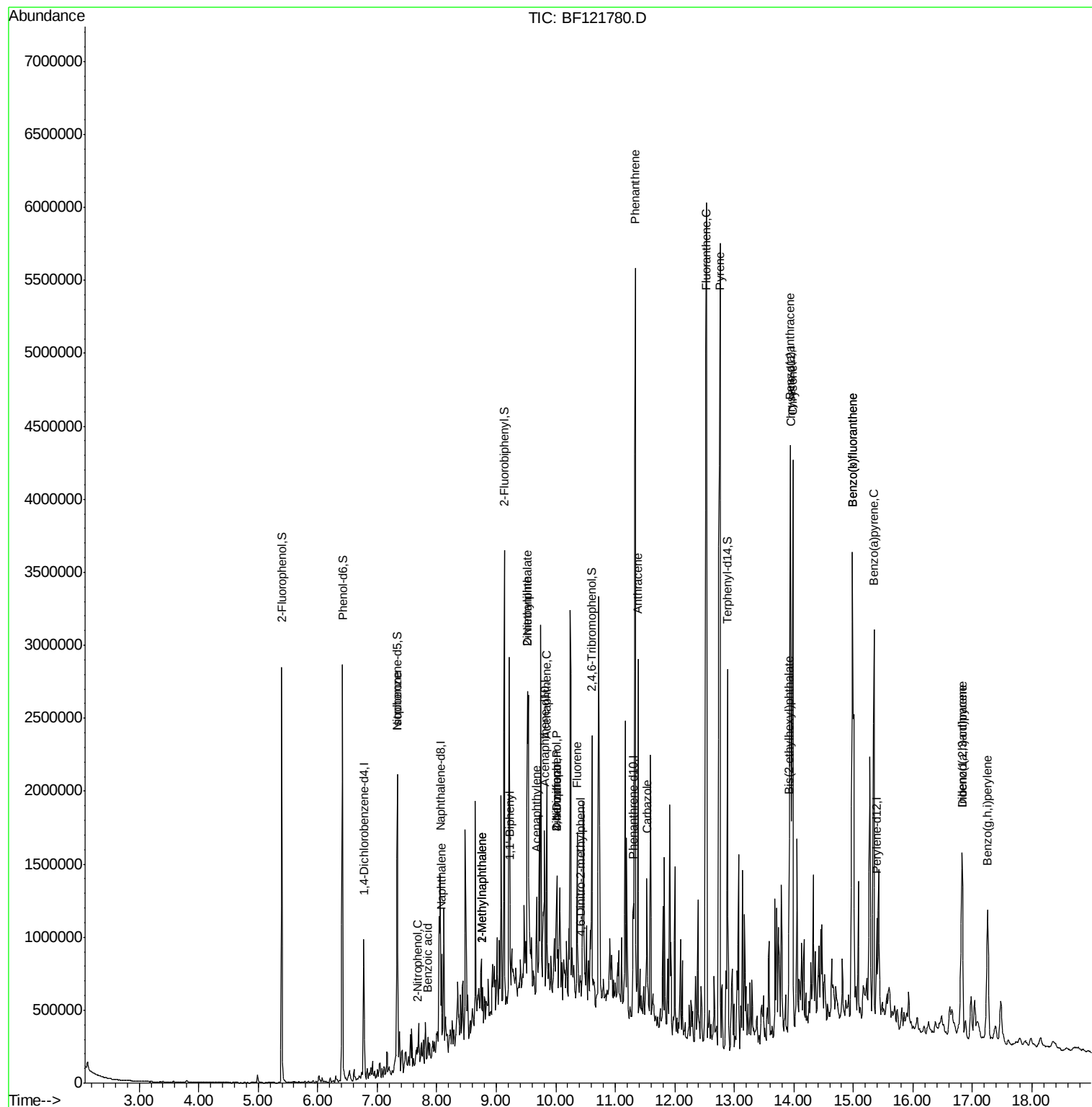
|                                |       |     |         |         |    | Qvalue |
|--------------------------------|-------|-----|---------|---------|----|--------|
| 25) Isophorone                 | 7.34  | 82  | 642365  | 38.084  | ng | # 67   |
| 26) 2-Nitrophenol              | 7.67  | 139 | 1516    | 2.896   | ng | # 1    |
| 31) Naphthalene                | 8.08  | 128 | 262464  | 11.052  | ng | 99     |
| 32) Benzoic acid               | 7.85  | 122 | 5021    | 7.700   | ng | # 49   |
| 37) 2-Methylnaphthalene        | 8.77  | 142 | 77165   | 4.958   | ng | 99     |
| 38) 1-Methylnaphthalene        | 8.77  | 142 | 77165   | 5.327   | ng | 94     |
| 46) 1,1'-Biphenyl              | 9.23  | 154 | 32750   | 2.057   | ng | 99     |
| 48) 2-Nitroaniline             | 9.52  | 65  | 9918    | 2.544   | ng | 87     |
| 49) Acenaphthylene             | 9.67  | 152 | 81849   | 4.246   | ng | # 92   |
| 50) Dimethylphthalate          | 9.53  | 163 | 98685   | 6.847   | ng | # 89   |
| 52) Acenaphthene               | 9.85  | 154 | 257135  | 21.121  | ng | 98     |
| 54) 2,4-Dinitrophenol          | 10.01 | 184 | 305     | 9.201   | ng | # 1    |
| 55) Dibenzofuran               | 10.02 | 168 | 230822  | 13.463  | ng | 98     |
| 56) 4-Nitrophenol              | 10.02 | 139 | 87780   | 30.956  | ng | # 20   |
| 58) Fluorene                   | 10.36 | 166 | 293384  | 22.377  | ng | 100    |
| 65) 4,6-Dinitro-2-methylphenol | 10.43 | 198 | 591     | 7.104   | ng | # 1    |
| 71) Phenanthrene               | 11.33 | 178 | 2606263 | 146.150 | ng | 98     |
| 72) Anthracene                 | 11.38 | 178 | 844206  | 45.874  | ng | 99     |
| 73) Carbazole                  | 11.53 | 167 | 334074  | 20.117  | ng | 99     |
| 75) Fluoranthene               | 12.53 | 202 | 3496293 | 183.664 | ng | 96     |
| 78) Pyrene                     | 12.76 | 202 | 2970026 | 149.119 | ng | 97     |
| 81) Benzo(a)anthracene         | 13.94 | 228 | 2055304 | 119.175 | ng | 98     |
| 83) Chrysene                   | 13.98 | 228 | 1563881 | 89.549  | ng | 96     |
| 84) Bis(2-ethylhexyl)phthalate | 13.92 | 149 | 36686   | 3.409   | ng | 96     |
| 87) Indeno(1,2,3-cd)pyrene     | 16.83 | 276 | 887351  | 51.213  | ng | 95     |
| 88) Benzo(b)fluoranthene       | 14.99 | 252 | 2878770 | 161.852 | ng | 99     |
| 89) Benzo(k)fluoranthene       | 14.99 | 252 | 2878770 | 176.744 | ng | 98     |
| 90) Benzo(a)pyrene             | 15.34 | 252 | 1463672 | 96.809  | ng | 96     |
| 91) Dibenzo(a,h)anthracene     | 16.83 | 278 | 230947  | 16.012  | ng | 95     |
| 92) Benzo(g,h,i)perylene       | 17.26 | 276 | 756546  | 53.361  | ng | 99     |

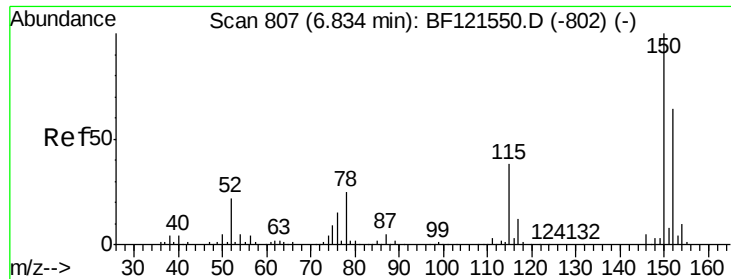
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
Data File : BF121780.D  
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Sample : L4193-04  
Misc :  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
B-13(11-13)

Quant Time: Oct 02 00:39:32 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



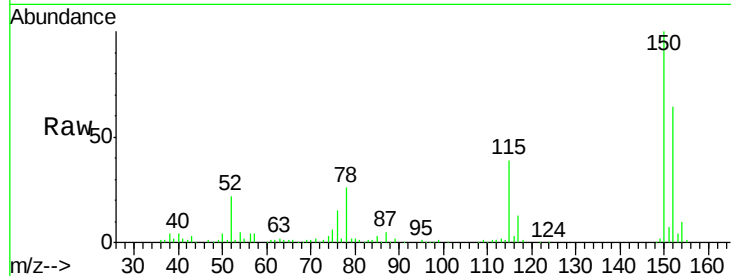


#1

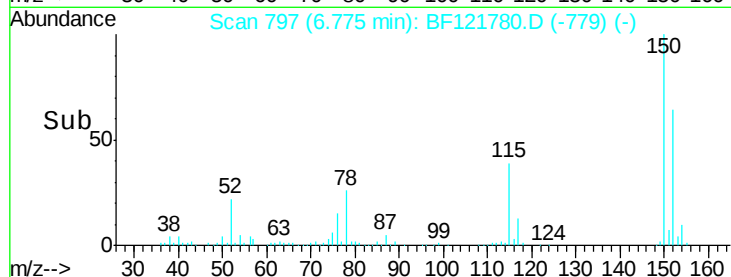
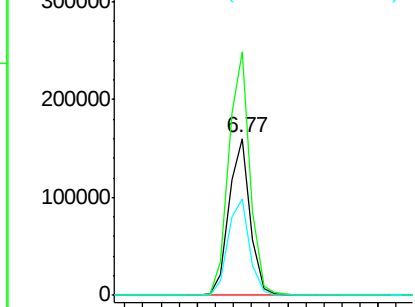
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.77 min Scan# 797  
 Delta R.T. 0.01 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-13(11-13)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.2 | 125.3 | 187.9 |
| 115     | 61.2  | 51.9  | 77.9  |



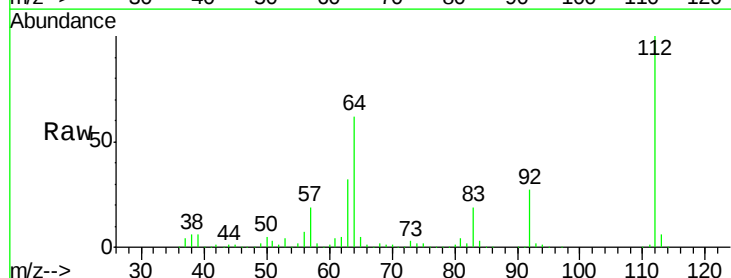
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



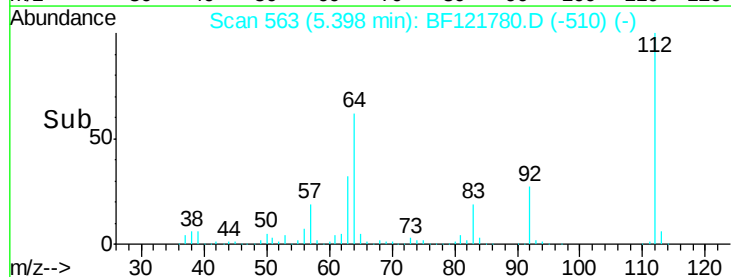
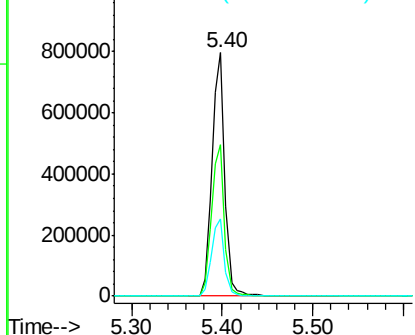
#5

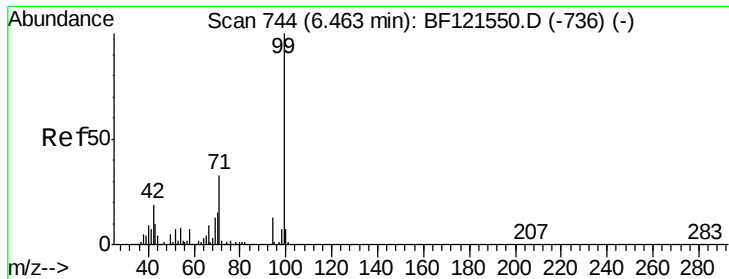
2-Fluorophenol  
 Concen: 91.003 ng  
 RT: 5.40 min Scan# 563  
 Delta R.T. 0.01 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 62.2  | 50.4  | 75.6  |
| 63      | 31.6  | 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: 87.366 ng

RT: 6.42 min Scan# 736

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

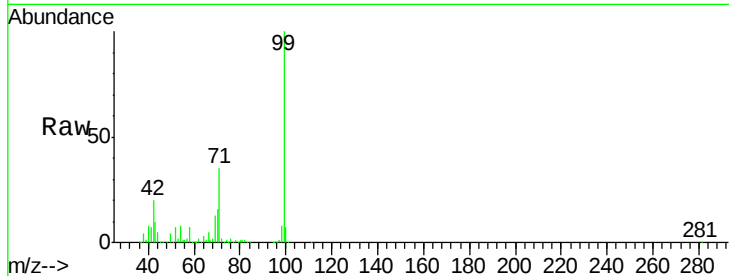
Tot Ion: 99 Resp: 997716

Ion Ratio Lower Upper

99 100

42 20.2 15.9 23.9

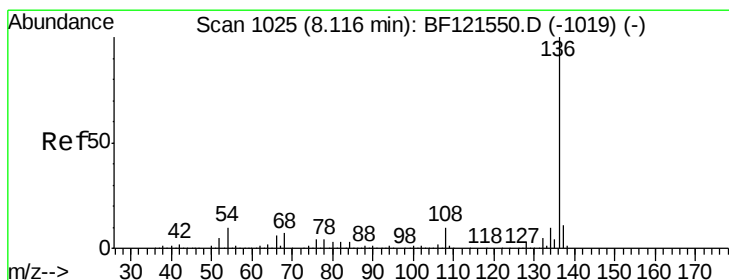
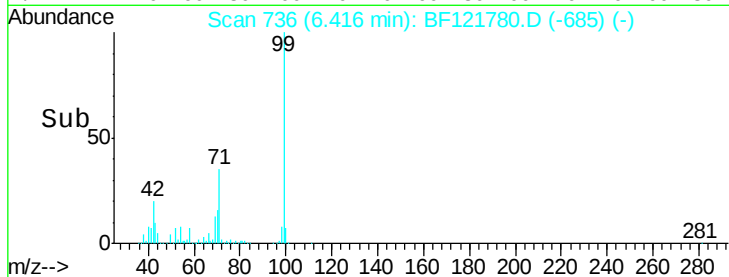
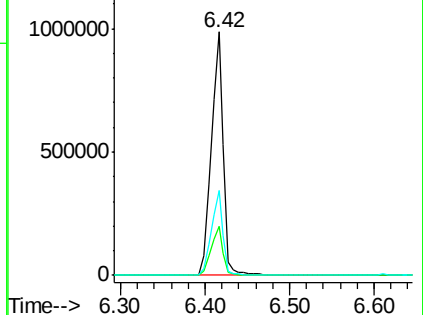
71 34.8 27.1 40.7



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Tgt Ion: 136 Resp: 449890

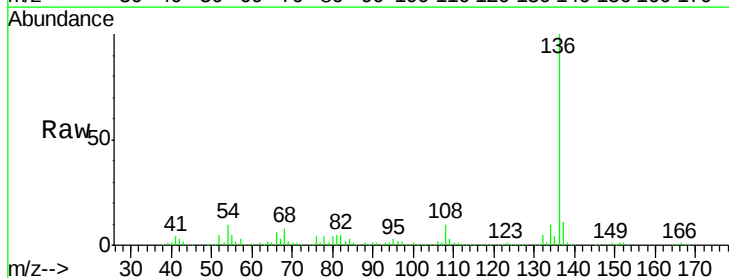
Ion Ratio Lower Upper

136 100

137 11.4 8.6 13.0

54 9.6 7.1 10.7

68 7.6 5.0 7.4#

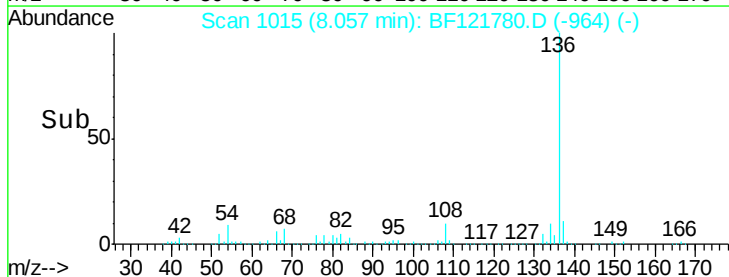
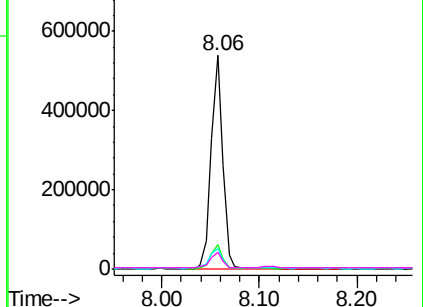


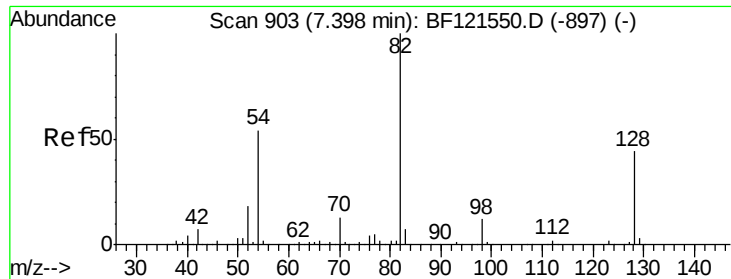
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

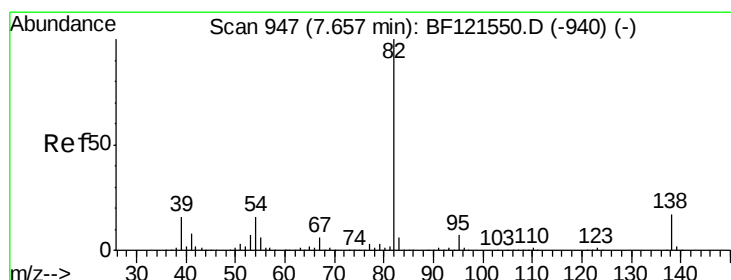
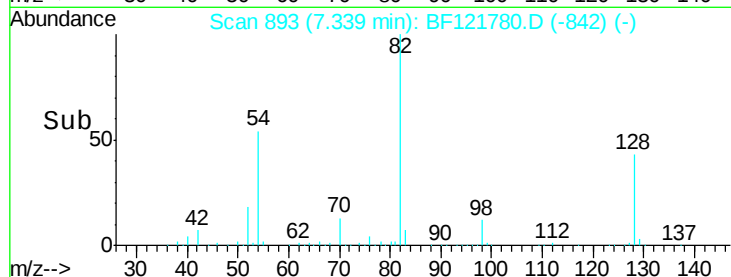
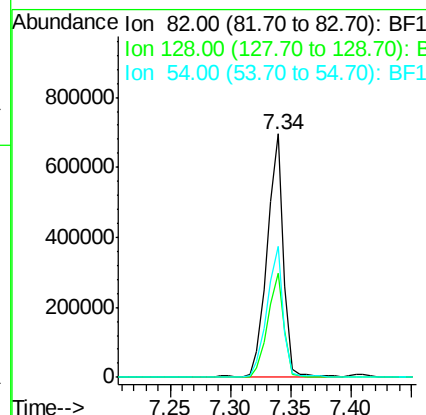
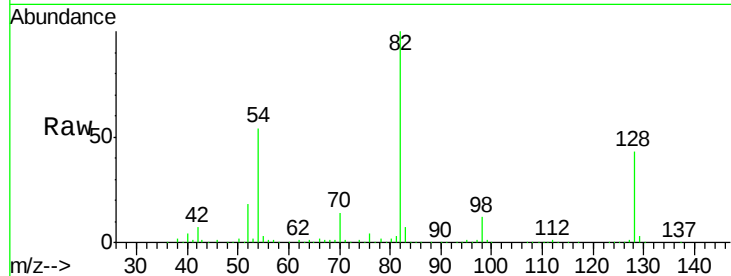




#23  
Nitrobenzene-d5  
Concen: 77.710 ng  
RT: 7.34 min Scan# 893  
Delta R.T. 0.00 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

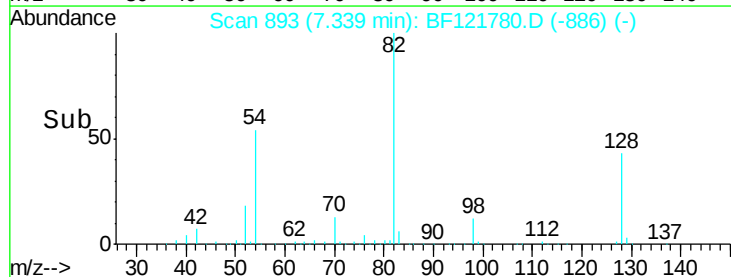
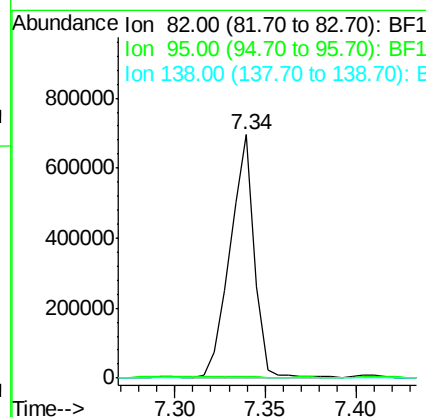
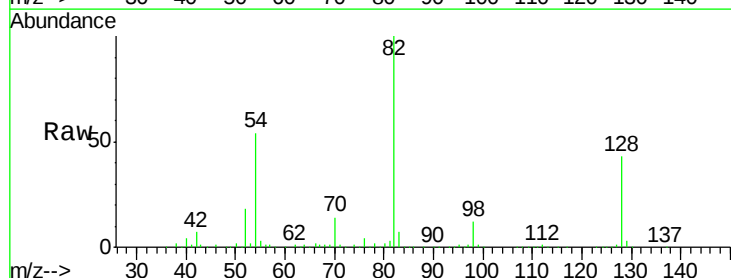
Instrument :  
BNA\_F  
ClientSampleId :  
B-13(11-13)

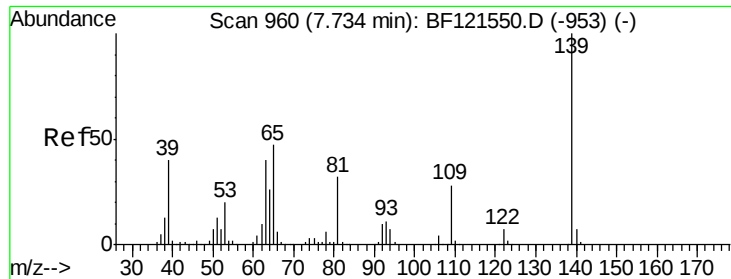
Tot Ion: 82 Resp: 651143  
Ion Ratio Lower Upper  
82 100  
128 42.7 35.0 52.4  
54 53.7 43.9 65.9



#25  
Isophorone  
Concen: 38.084 ng  
RT: 7.34 min Scan# 893  
Delta R.T. -0.26 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

Tgt Ion: 82 Resp: 642365  
Ion Ratio Lower Upper  
82 100  
95 0.5 5.4 8.0#  
138 0.0 13.4 20.0#

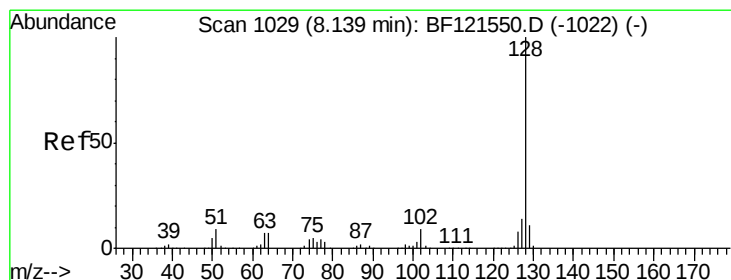
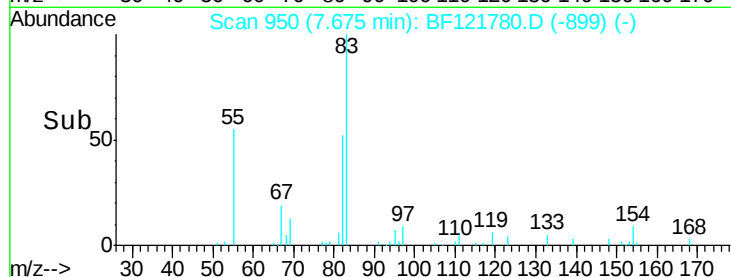
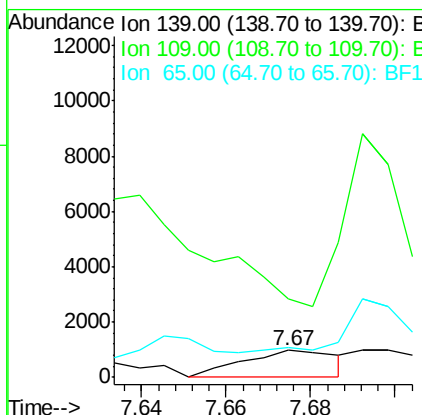
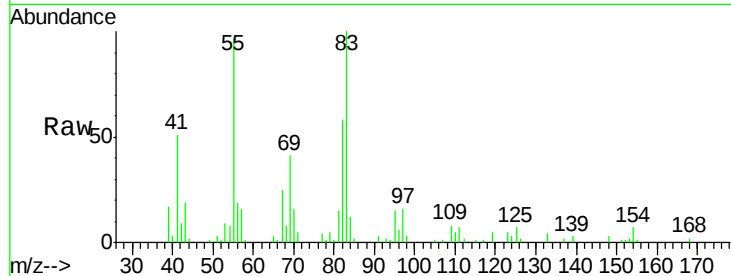




#26  
2-Nitrophenol  
Concen: 2.896 ng  
RT: 7.67 min Scan# 950  
Delta R.T. 0.00 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

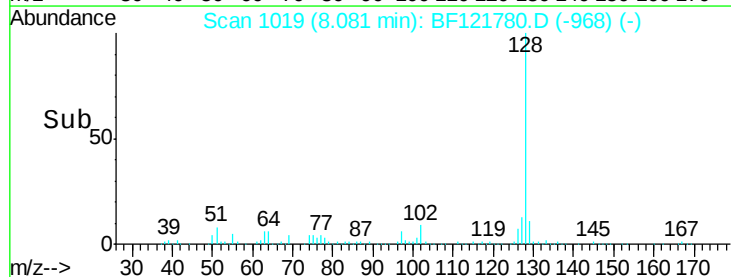
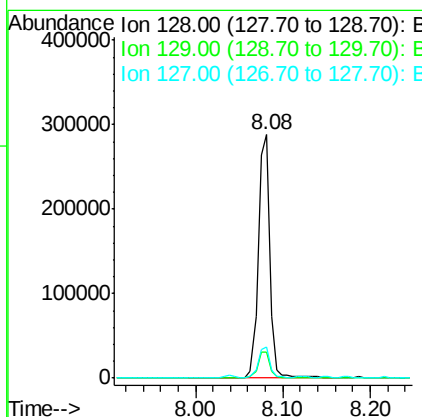
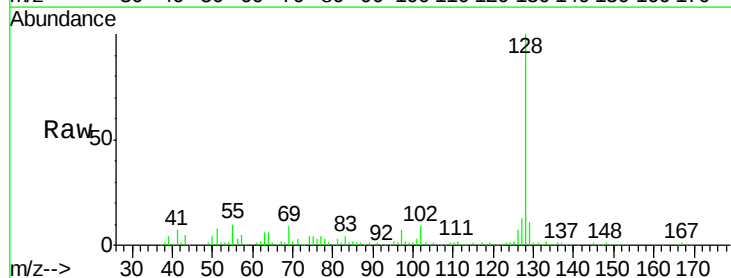
Instrument :  
BNA\_F  
ClientSampleId :  
B-13(11-13)

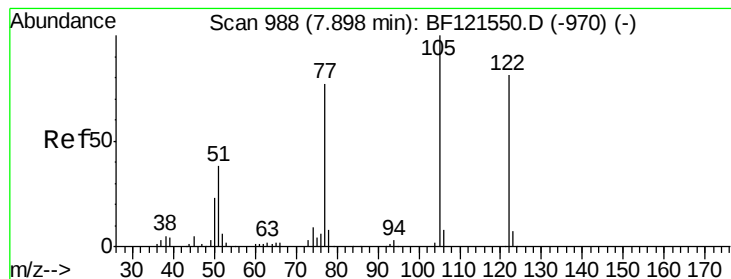
Tot Ion:139 Resp: 1516  
Ion Ratio Lower Upper  
139 100  
109 291.9 23.0 34.4#  
65 108.3 39.9 59.9#



#31  
Naphthalene  
Concen: 11.052 ng  
RT: 8.08 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

Tgt Ion:128 Resp: 262464  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.7 13.1  
127 13.0 10.8 16.2





#32

Benzoic acid

Concen: 7.700 ng

RT: 7.85 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

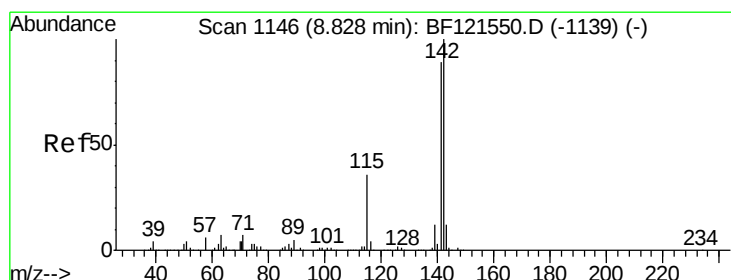
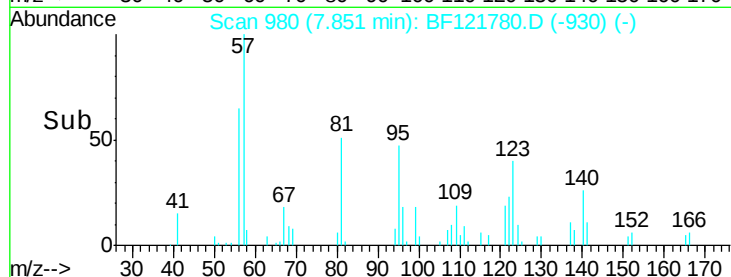
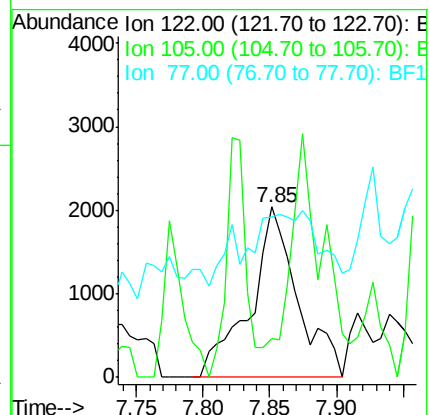
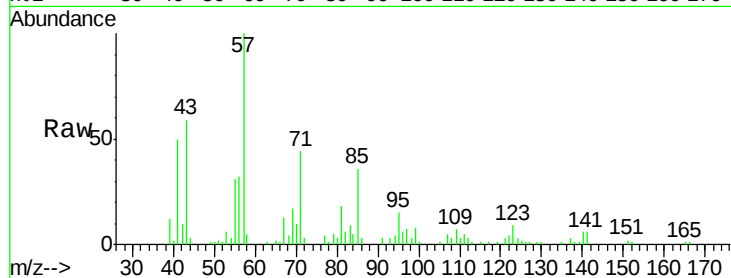
Tot Ion:122 Resp: 5021

Ion Ratio Lower Upper

122 100

105 22.5 103.3 143.3#

77 94.7 73.9 113.9



#37

2-Methylnaphthalene

Concen: 4.958 ng

RT: 8.77 min Scan# 1136

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

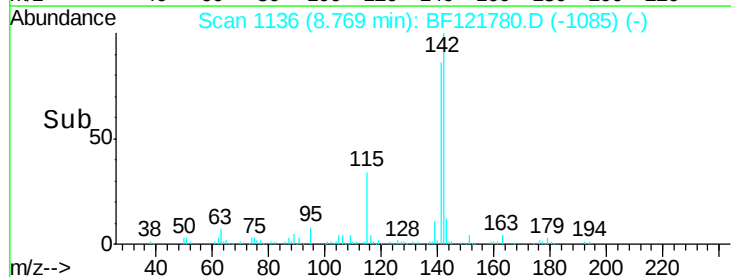
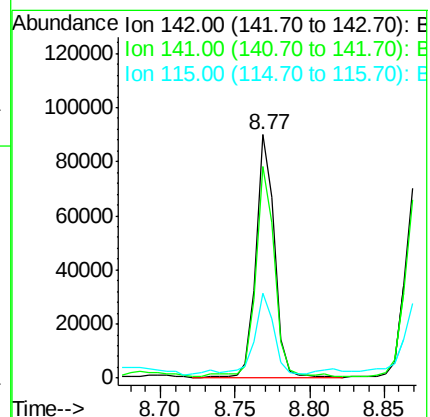
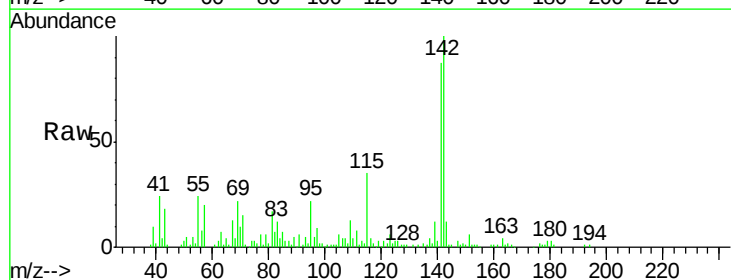
Tgt Ion:142 Resp: 77165

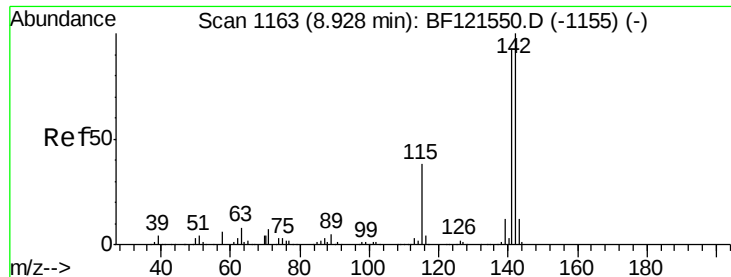
Ion Ratio Lower Upper

142 100

141 86.9 70.2 105.4

115 34.9 28.6 43.0

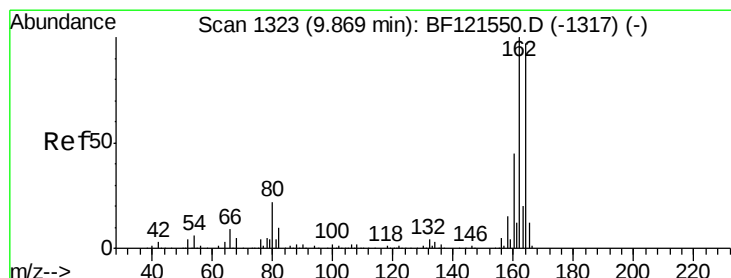
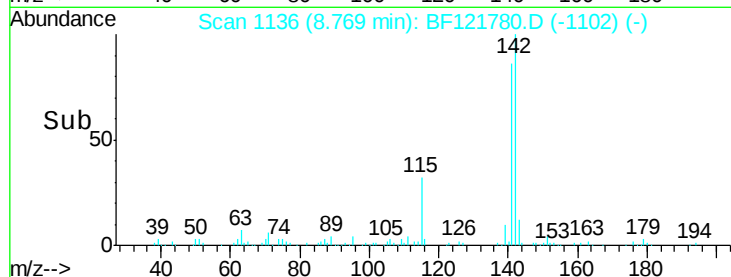
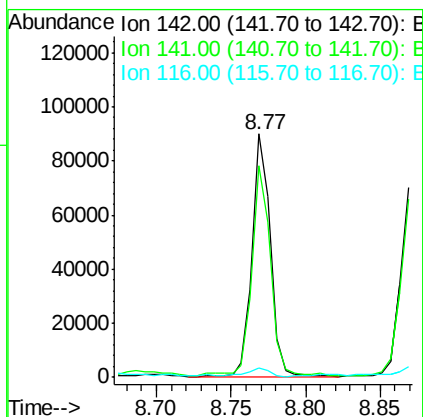
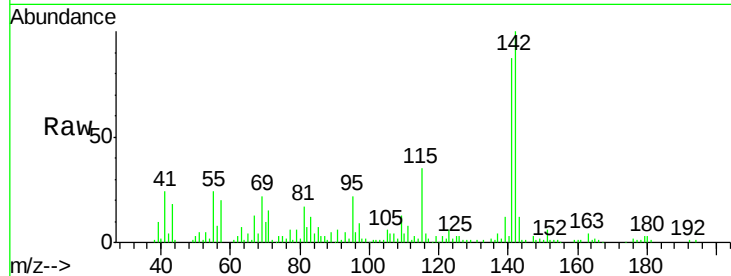




#38  
1-Methylnaphthalene  
Concen: 5.327 ng  
RT: 8.77 min Scan# 1136  
Delta R.T. -0.10 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

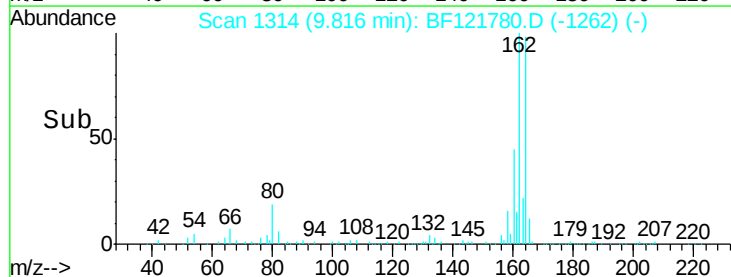
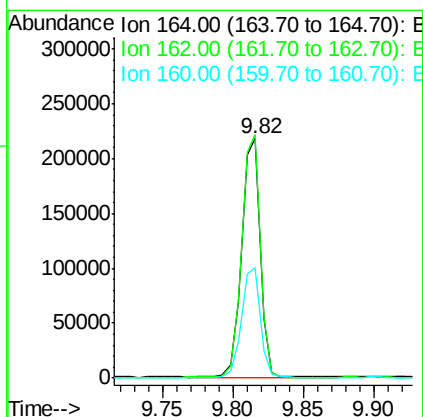
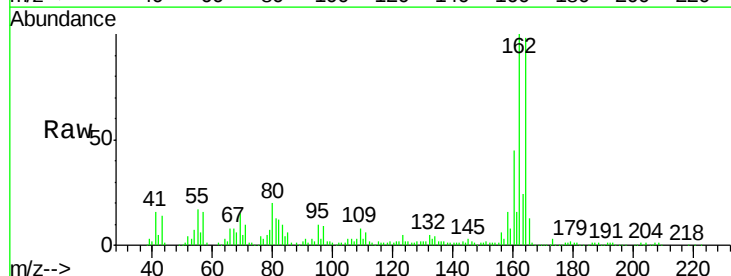
Instrument :  
BNA\_F  
ClientSampleId :  
B-13(11-13)

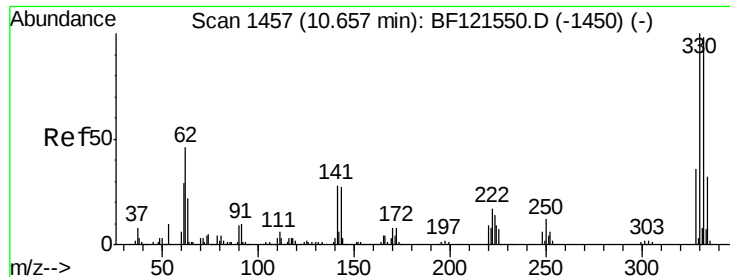
Tot Ion:142 Resp: 77165  
Ion Ratio Lower Upper  
142 100  
141 86.9 74.5 111.7  
116 3.8 3.2 4.8



#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.82 min Scan# 1314  
Delta R.T. 0.01 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

Tgt Ion:164 Resp: 198850  
Ion Ratio Lower Upper  
164 100  
162 101.7 83.2 124.8  
160 46.1 37.5 56.3





#42

2,4,6-Tribromophenol

Concen: 85.928 ng

RT: 10.60 min Scan# 1448

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

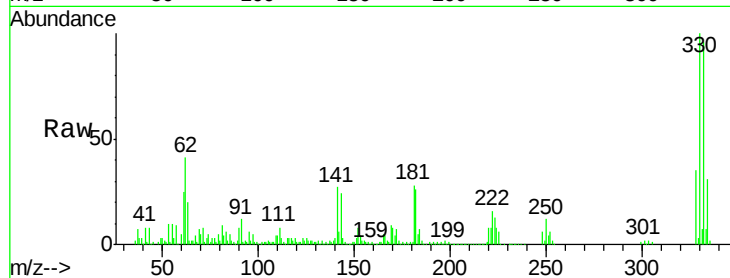
Tot Ion:330 Resp: 212366

Ion Ratio Lower Upper

330 100

332 95.4 77.3 115.9

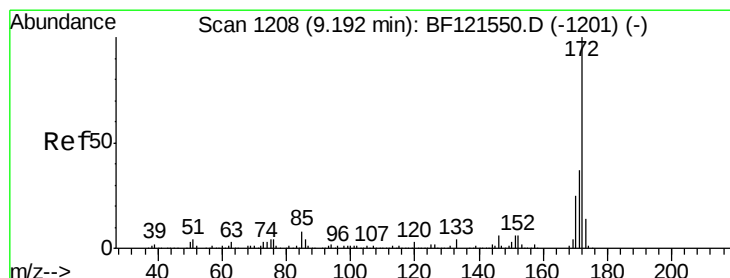
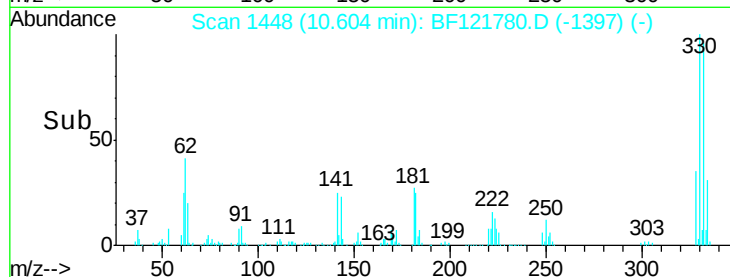
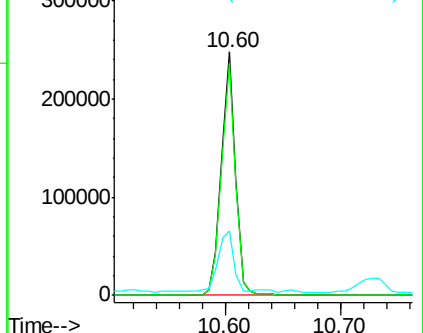
141 27.3 22.3 33.5



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: 72.604 ng

RT: 9.13 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

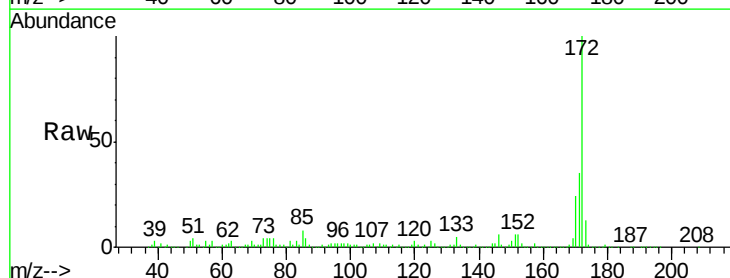
Tgt Ion:172 Resp: 953249

Ion Ratio Lower Upper

172 100

171 35.4 29.1 43.7

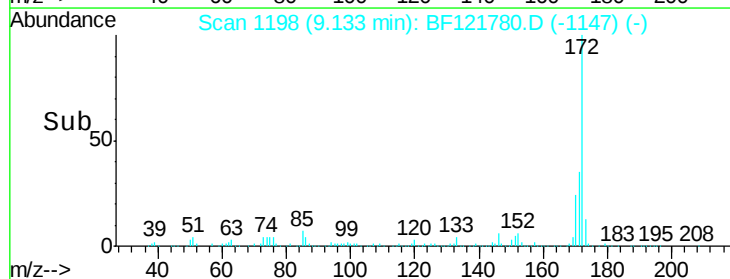
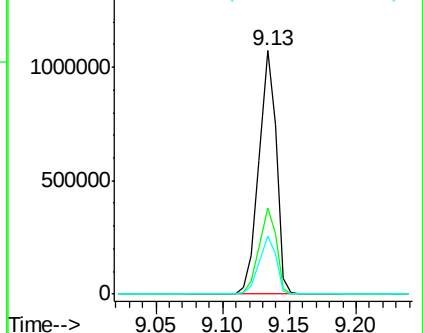
170 24.0 19.8 29.6

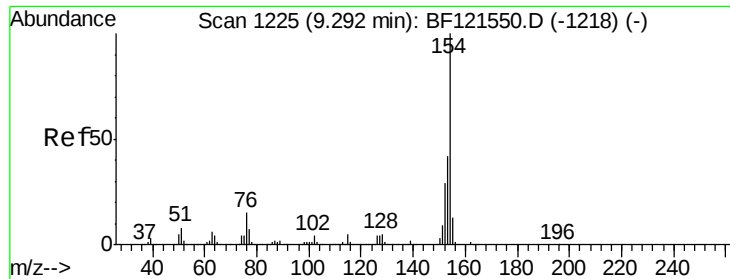


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

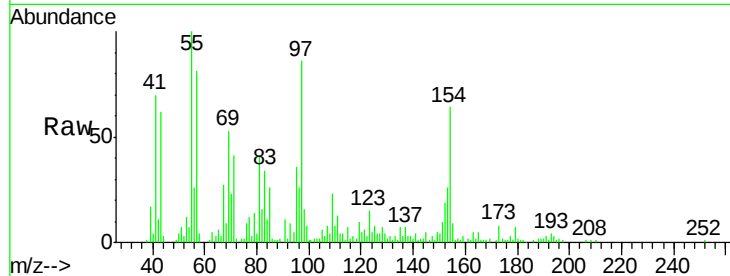




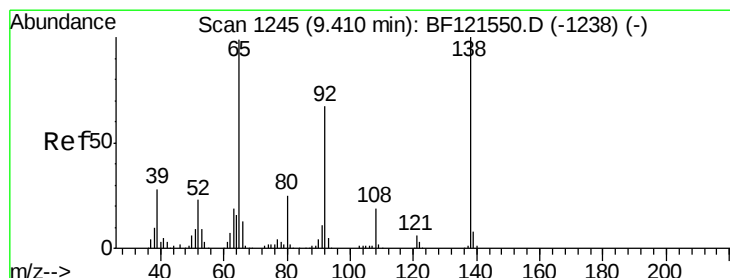
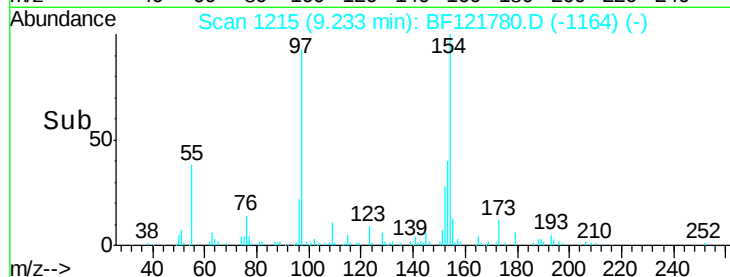
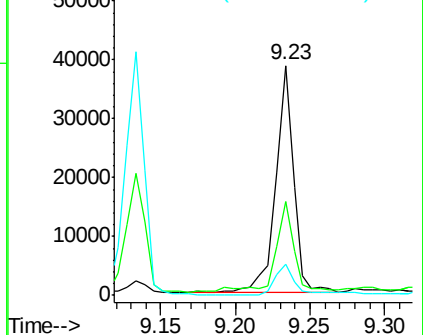
#46  
 1,1'-Biphenyl  
 Concen: 2.057 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. 0.00 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-13(11-13)

Tot Ion:154 Resp: 32750  
 Ion Ratio Lower Upper  
 154 100  
 153 40.8 21.3 61.3  
 76 13.7 0.0 34.7

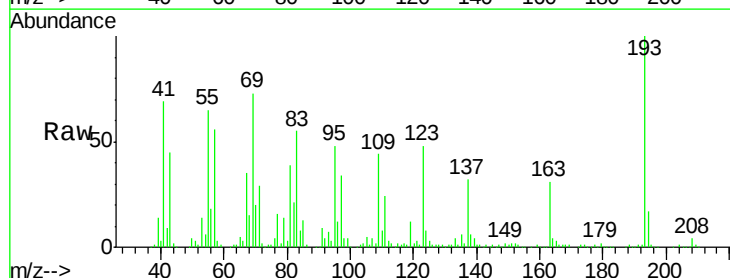


Abundance Ion 154.00 (153.70 to 154.70): E  
 Ion 153.00 (152.70 to 153.70): E  
 Ion 76.00 (75.70 to 76.70): BF1

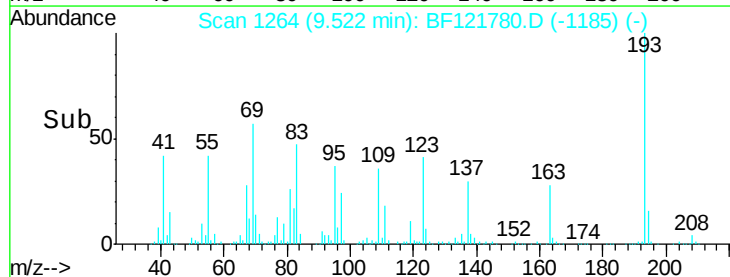
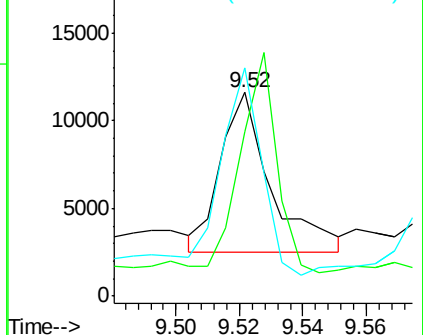


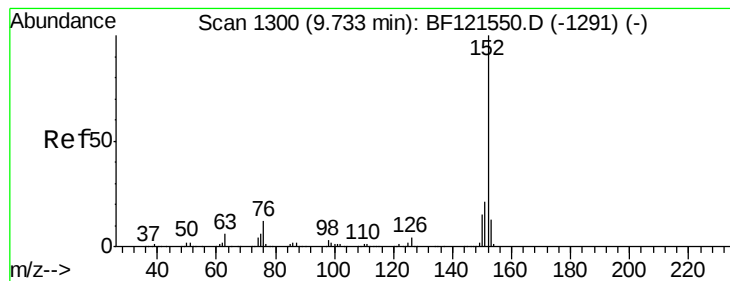
#48  
 2-Nitroaniline  
 Concen: 2.544 ng  
 RT: 9.52 min Scan# 1264  
 Delta R.T. 0.16 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

Tgt Ion: 65 Resp: 9918  
 Ion Ratio Lower Upper  
 65 100  
 92 80.5 55.1 82.7  
 138 112.2 80.5 120.7



Abundance Ion 65.00 (64.70 to 65.70): BF1  
 Ion 92.00 (91.70 to 92.70): BF1  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 4.246 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

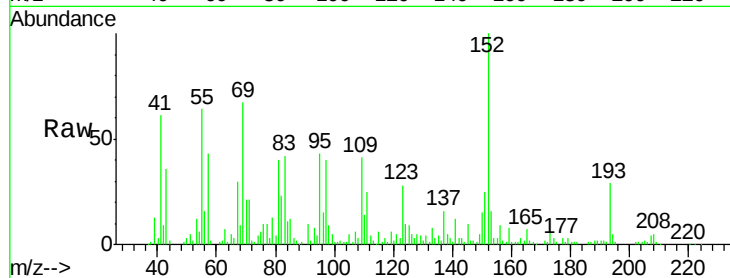
Tot Ion:152 Resp: 81849

Ion Ratio Lower Upper

152 100

151 24.7 16.4 24.6#

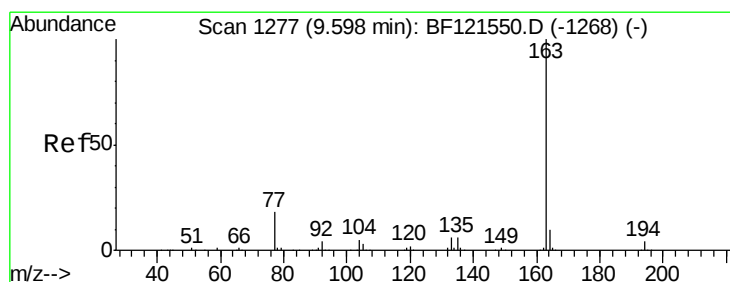
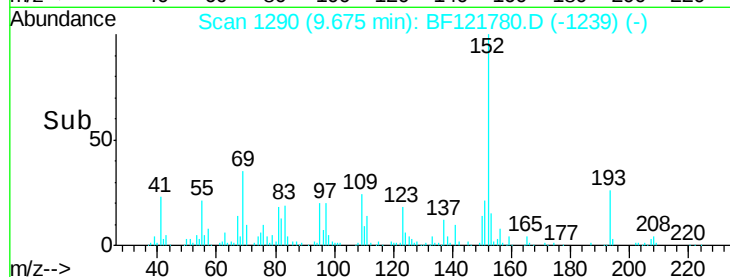
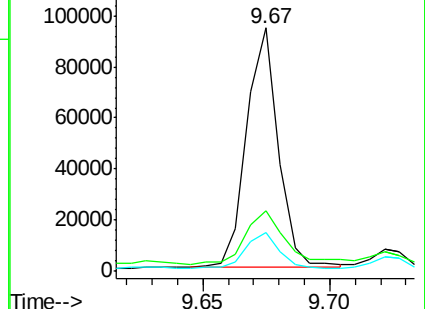
153 15.9 10.6 15.8#



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



#50

Dimethylphthalate

Concen: 6.847 ng

RT: 9.53 min Scan# 1265

Delta R.T. -0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

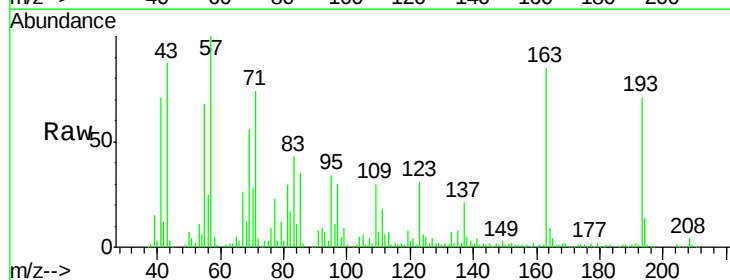
Tgt Ion:163 Resp: 98685

Ion Ratio Lower Upper

163 100

194 16.7 3.3 4.9#

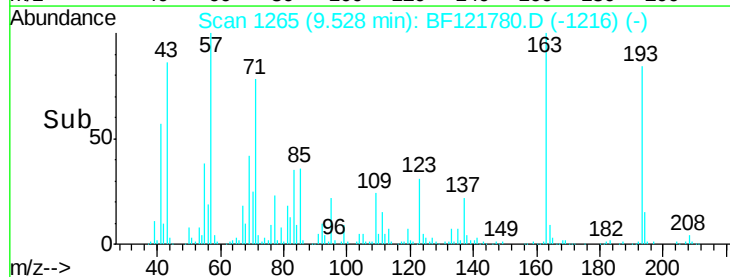
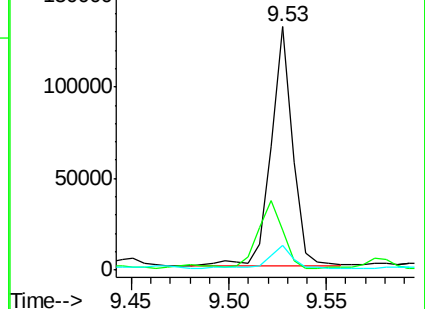
164 10.1 8.2 12.4

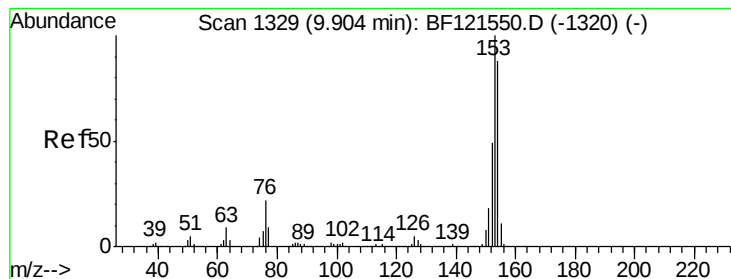


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 21.121 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

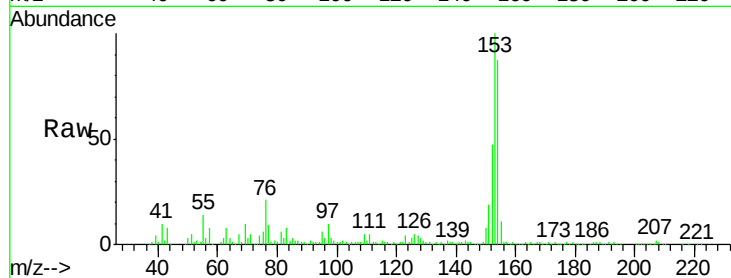
Tot Ion:154 Resp: 257135

Ion Ratio Lower Upper

154 100

153 114.7 89.8 134.8

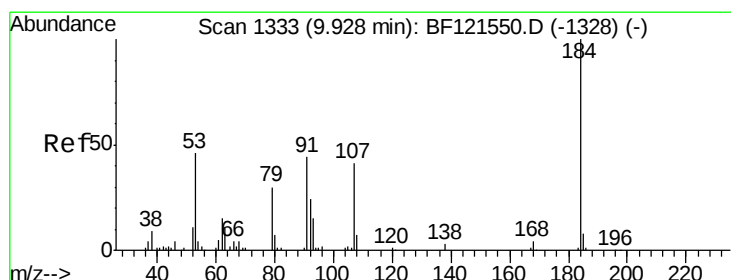
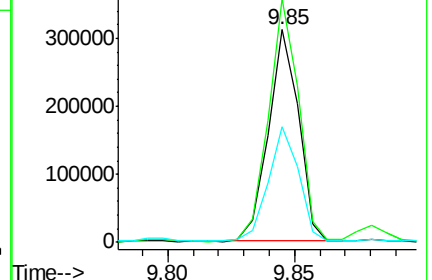
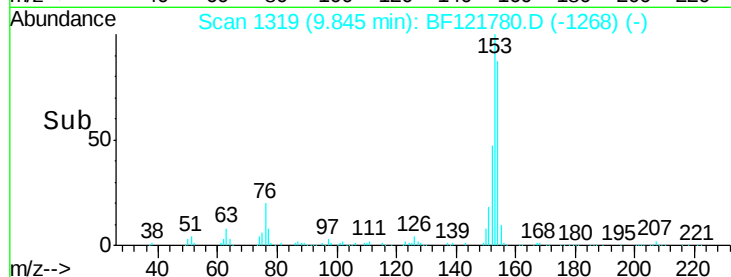
152 54.3 43.2 64.8



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



#54

2,4-Dinitrophenol

Concen: 9.201 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.13 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

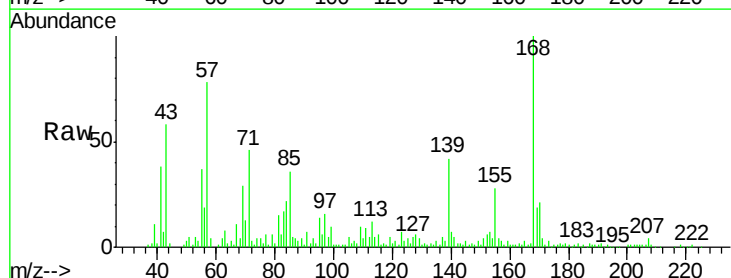
Tgt Ion:184 Resp: 305

Ion Ratio Lower Upper

184 100

63 2268.1 45.9 68.9#

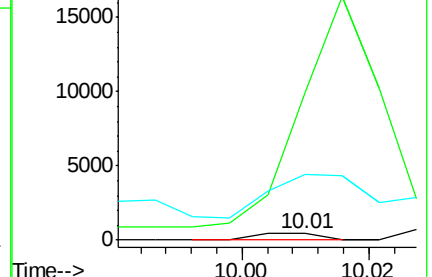
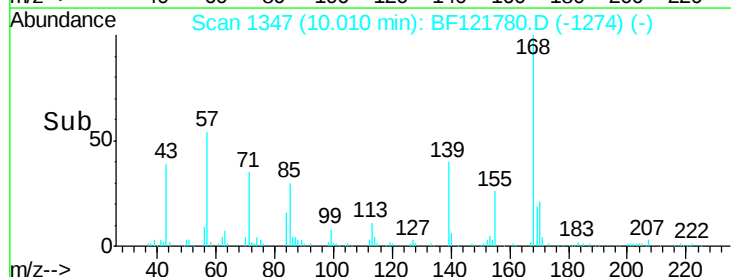
154 1016.4 45.8 68.6#

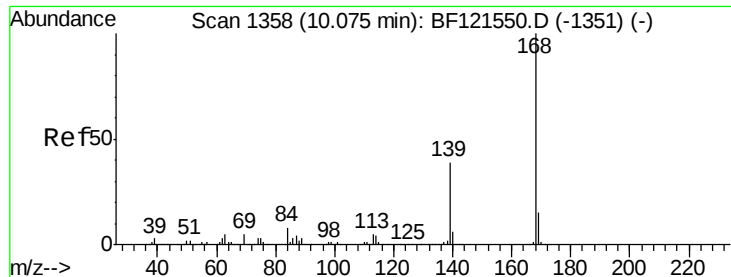


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#55

Dibenzofuran

Concen: 13.463 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampled :

B-13(11-13)

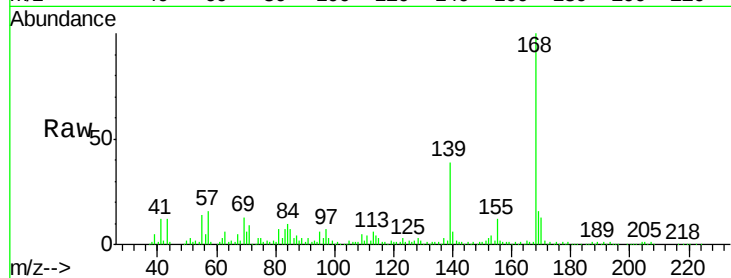
Tot Ion:168 Resp: 230822

Ion Ratio Lower Upper

168 100

139 39.4 31.0 46.6

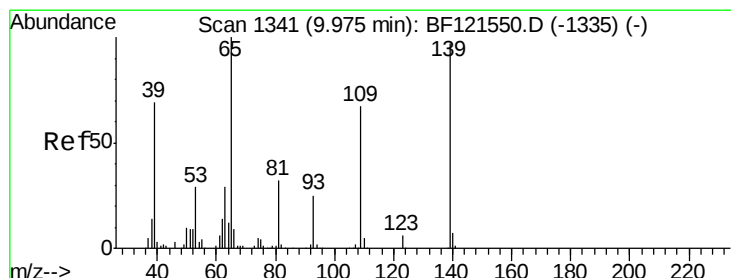
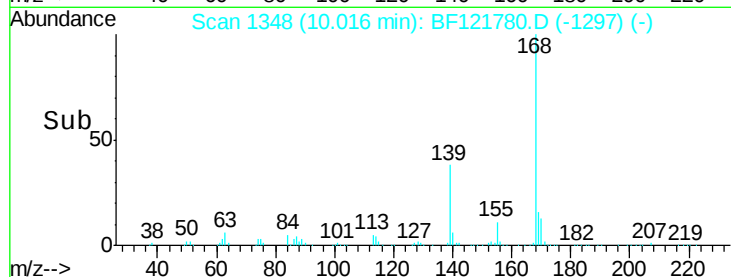
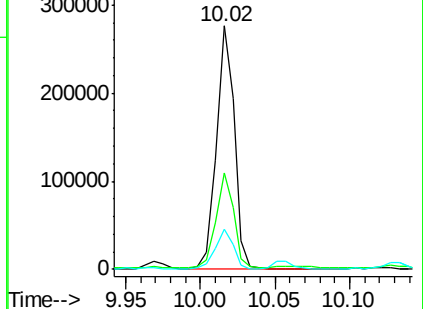
169 16.4 11.3 16.9



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: 30.956 ng

RT: 10.02 min Scan# 1348

Delta R.T. 0.08 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

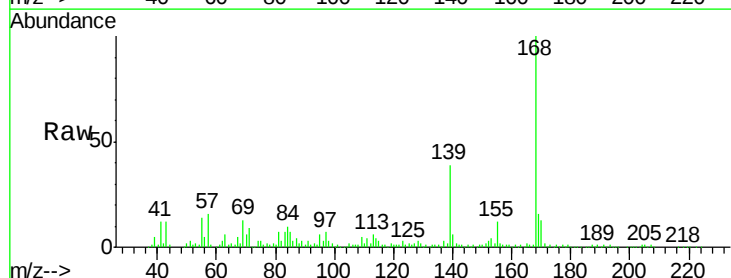
Tgt Ion:139 Resp: 87780

Ion Ratio Lower Upper

139 100

109 12.5 45.4 85.4#

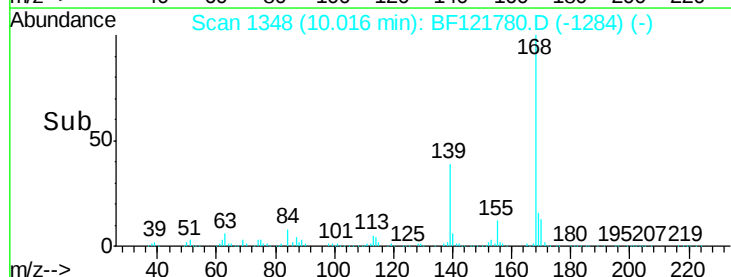
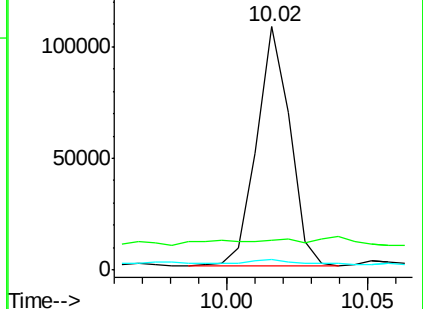
65 4.4 68.4 108.4#

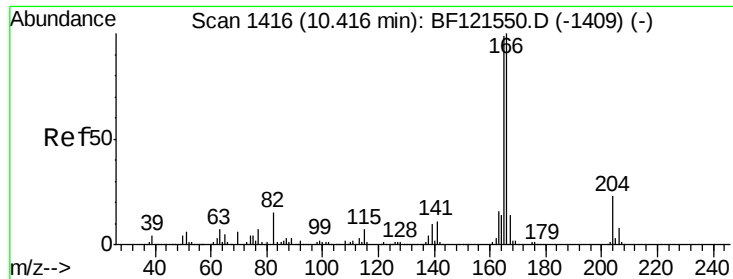


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#58

Fluorene

Concen: 22.377 ng

RT: 10.36 min Scan# 1407

Delta R.T. 0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

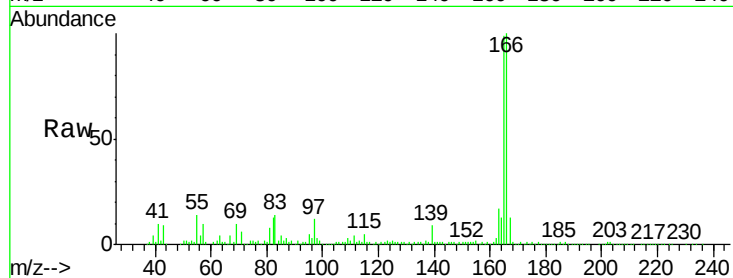
Tot Ion:166 Resp: 293384

Ion Ratio Lower Upper

166 100

165 99.0 79.1 118.7

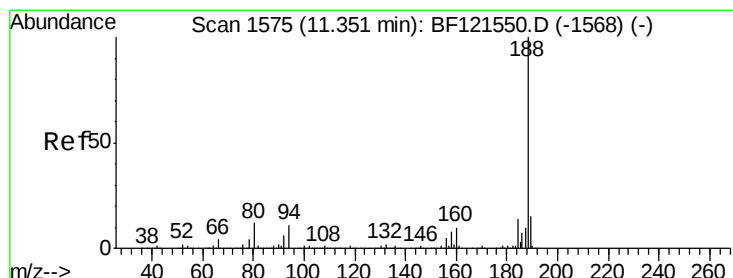
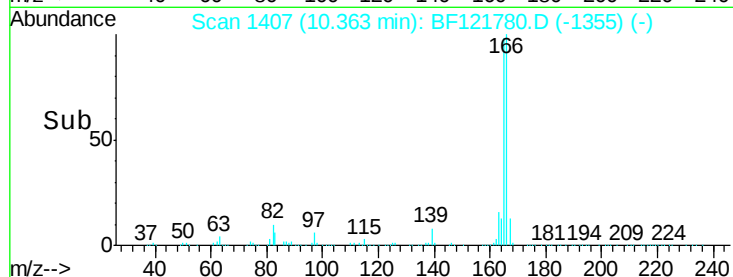
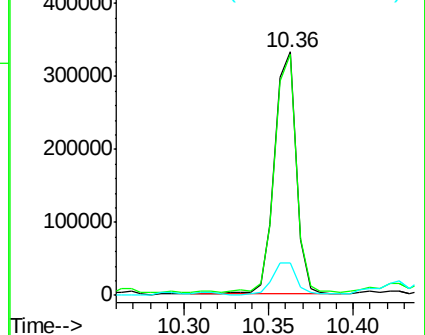
167 13.3 11.0 16.6



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: 11.30 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

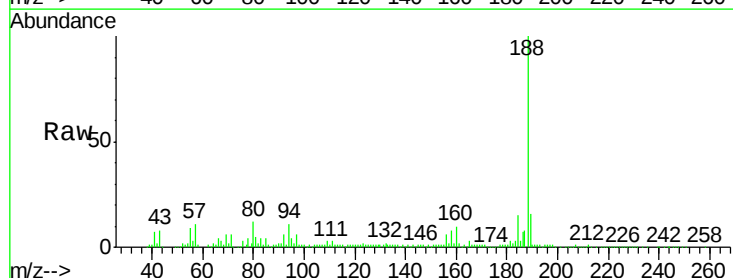
Tgt Ion:188 Resp: 327302

Ion Ratio Lower Upper

188 100

94 11.5 8.3 12.5

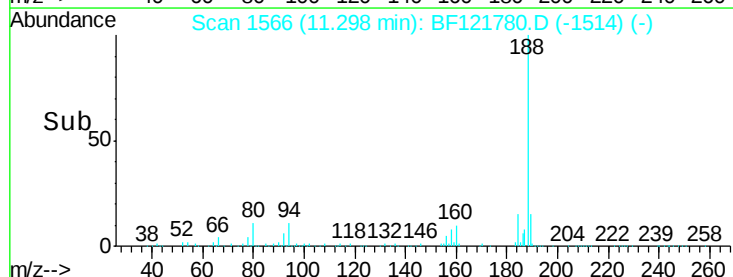
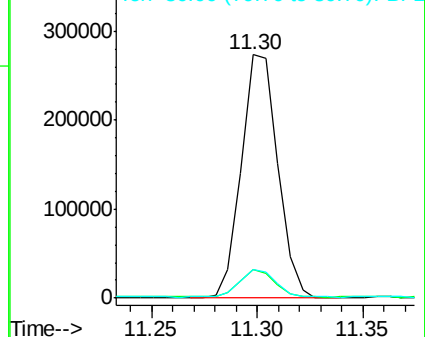
80 11.9 9.1 13.7

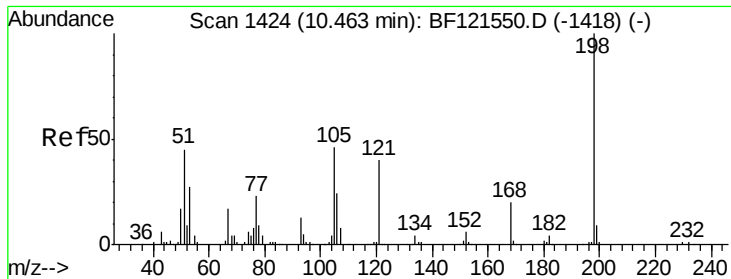


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

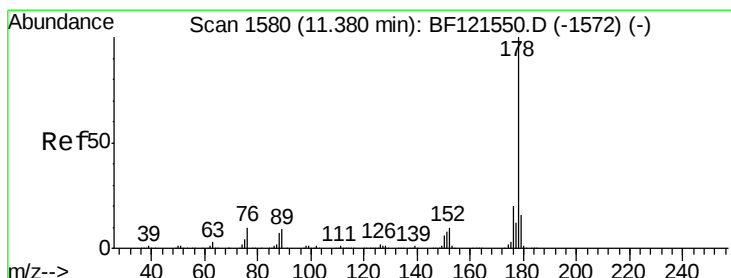
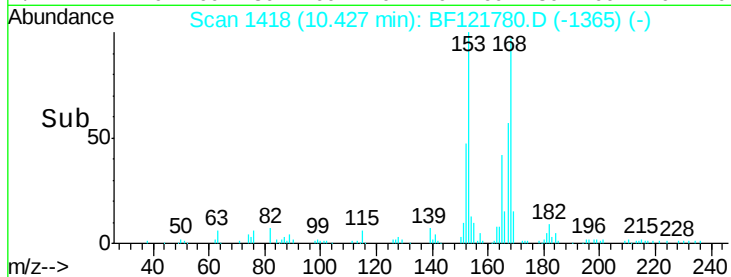
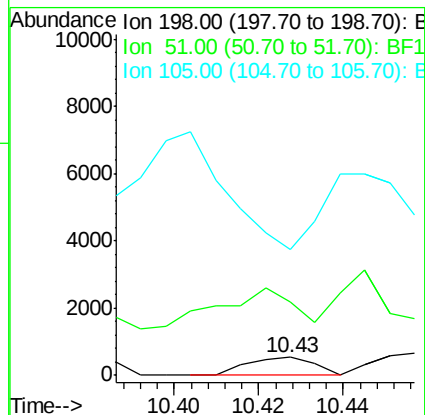
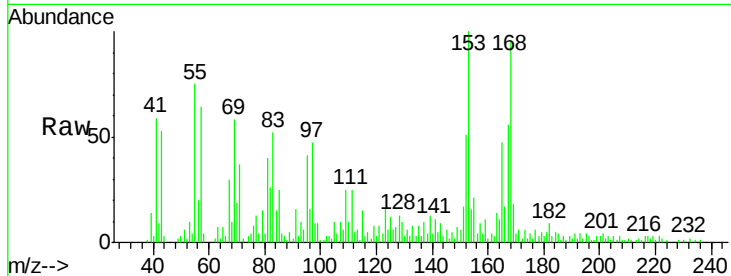




#65  
 4,6-Dinitro-2-methylphenol  
 Concen: 7.104 ng  
 RT: 10.43 min Scan# 1418  
 Delta R.T. 0.01 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

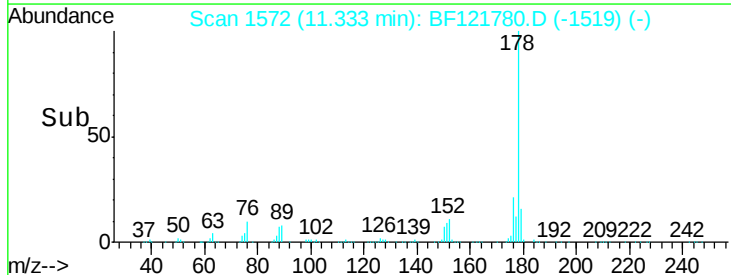
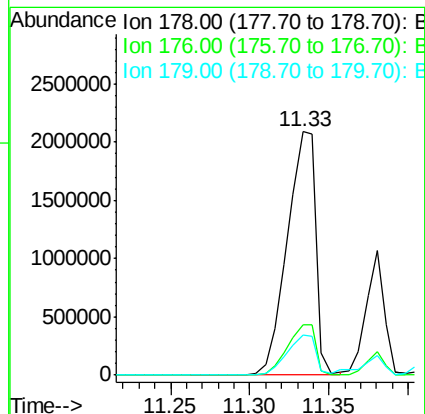
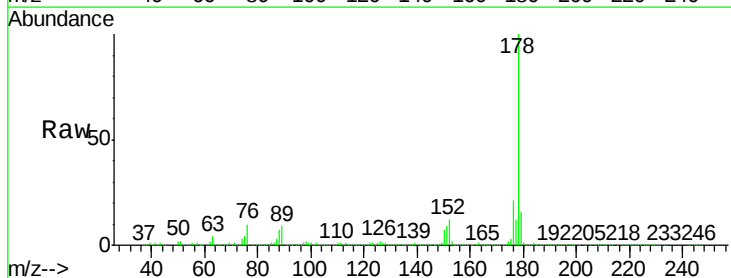
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-13(11-13)

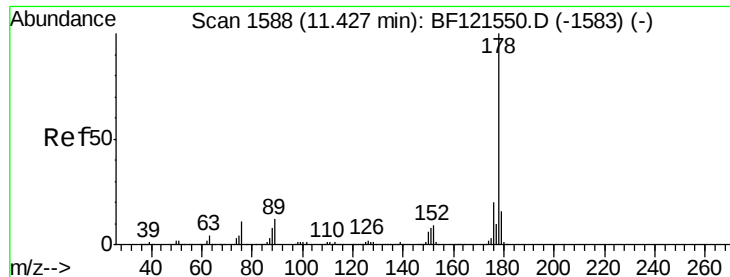
Tot Ion:198 Resp: 591  
 Ion Ratio Lower Upper  
 198 100  
 51 407.1 29.6 69.6#  
 105 695.3 24.4 64.4#



#71  
 Phenanthrene  
 Concen: 146.150 ng  
 RT: 11.33 min Scan# 1572  
 Delta R.T. 0.01 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

Tgt Ion:178 Resp: 2606263  
 Ion Ratio Lower Upper  
 178 100  
 176 20.7 15.9 23.9  
 179 16.4 12.2 18.4





#72

Anthracene

Concen: 45.874 ng

RT: 11.38 min Scan# 1580

Delta R.T. 0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

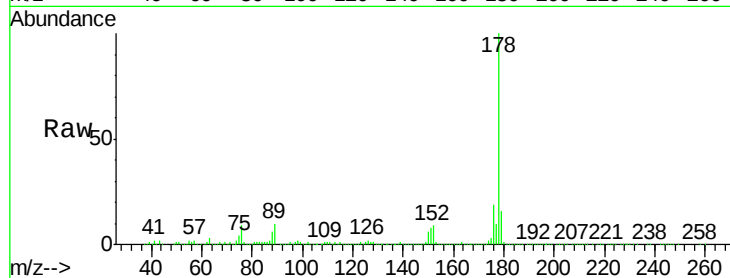
Tot Ion:178 Resp: 844206

Ion Ratio Lower Upper

178 100

176 19.0 15.7 23.5

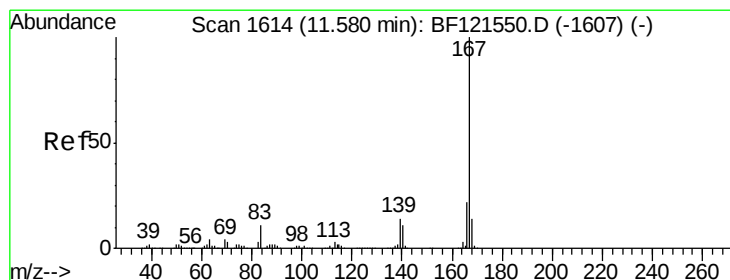
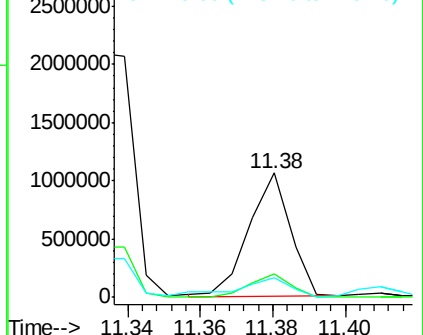
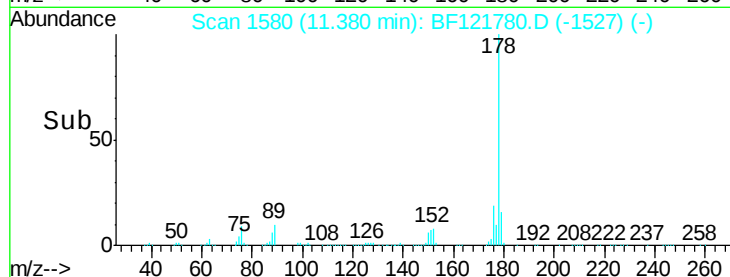
179 15.8 12.7 19.1



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: 20.117 ng

RT: 11.53 min Scan# 1605

Delta R.T. 0.00 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

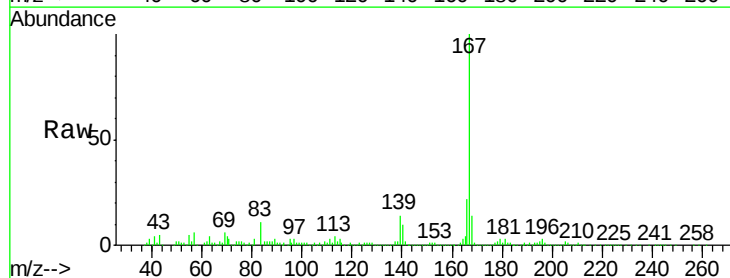
Tgt Ion:167 Resp: 334074

Ion Ratio Lower Upper

167 100

166 21.9 17.8 26.6

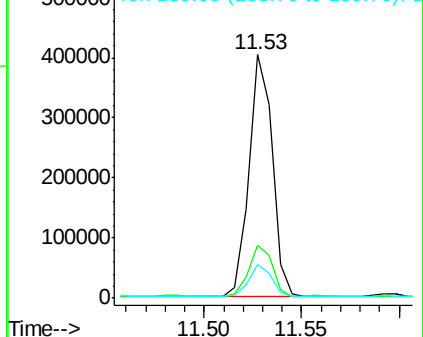
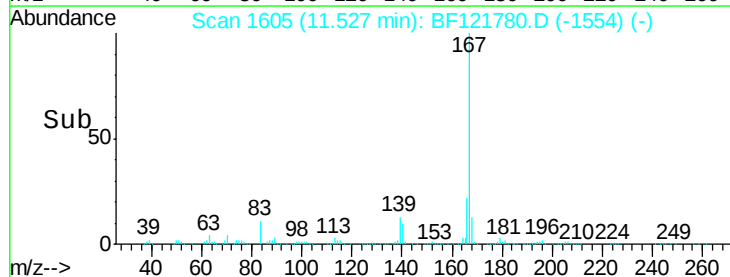
139 13.7 10.8 16.2

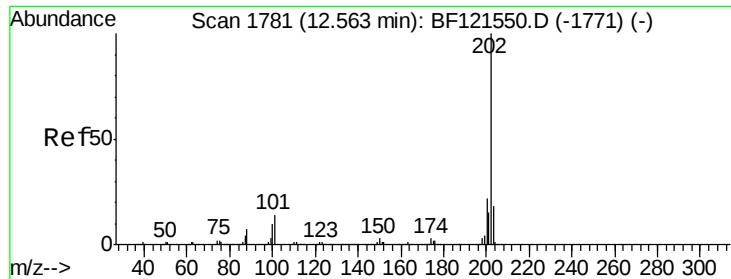


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 183.664 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.03 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

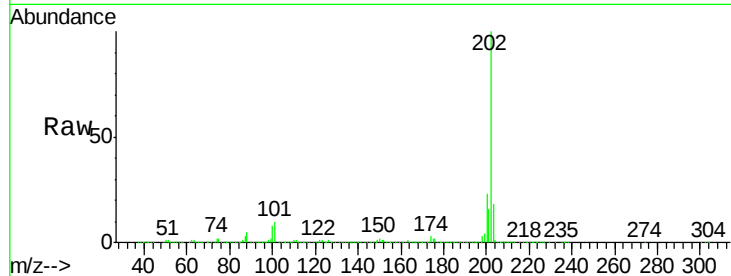
Tot Ion:202 Resp: 3496293

Ion Ratio Lower Upper

202 100

101 10.4 0.0 33.4

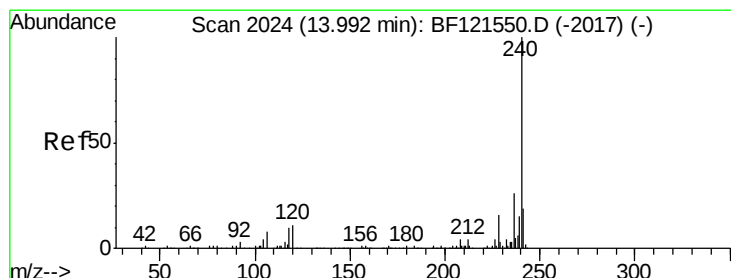
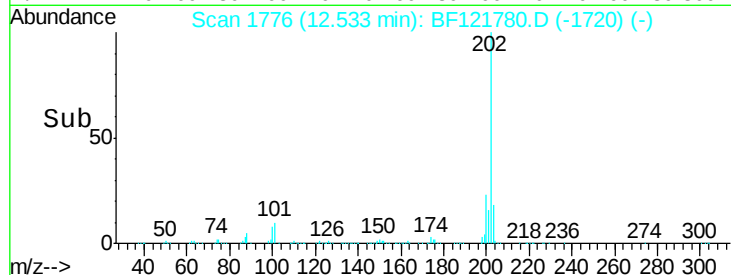
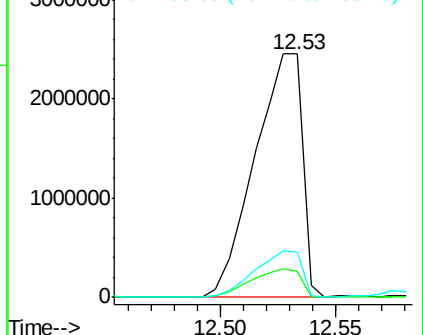
203 18.4 0.0 37.9



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: 13.95 min Scan# 2017

Delta R.T. 0.02 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

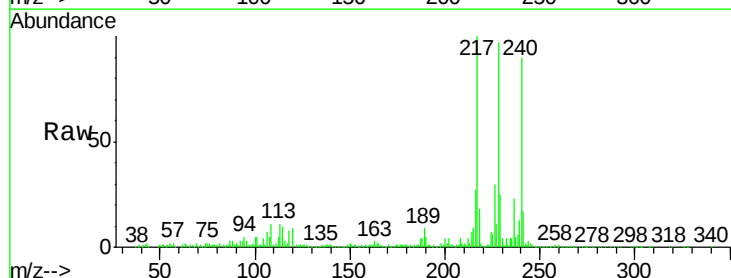
Tgt Ion:240 Resp: 272602

Ion Ratio Lower Upper

240 100

120 10.4 9.2 13.8

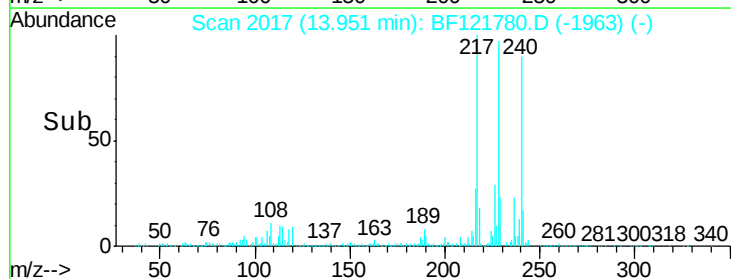
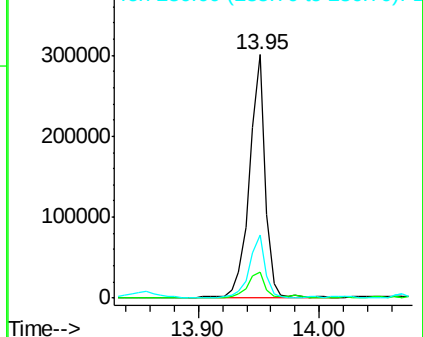
236 25.7 20.9 31.3

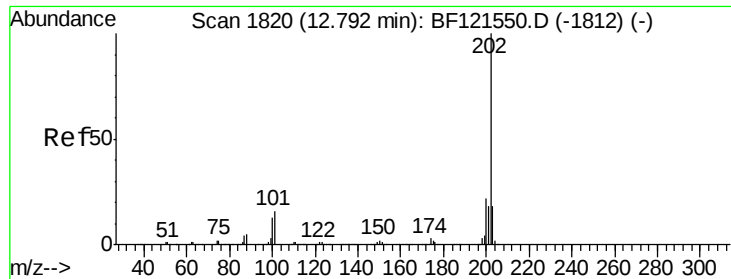


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 149.119 ng

RT: 12.76 min Scan# 1814

Delta R.T. 0.02 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

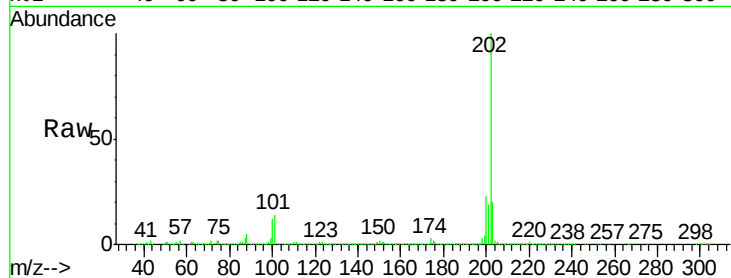
Tot Ion:202 Resp: 2970026

Ion Ratio Lower Upper

202 100

200 23.3 17.4 26.2

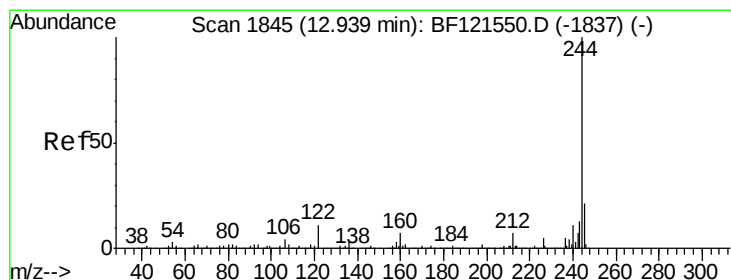
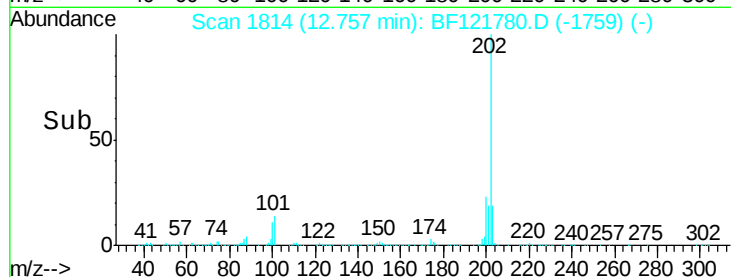
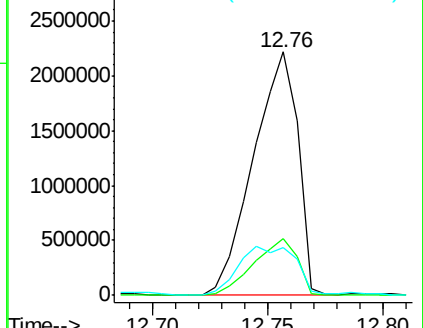
203 19.5 14.6 21.8



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: 62.073 ng

RT: 12.89 min Scan# 1836

Delta R.T. 0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

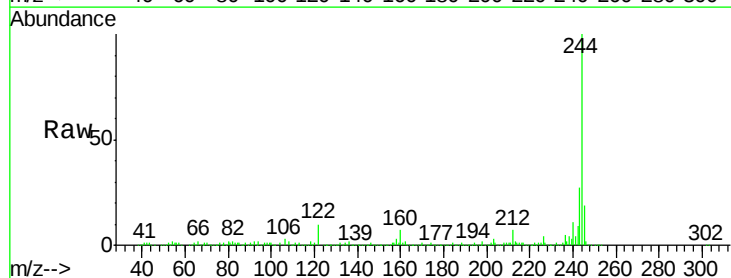
Tgt Ion:244 Resp: 835241

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

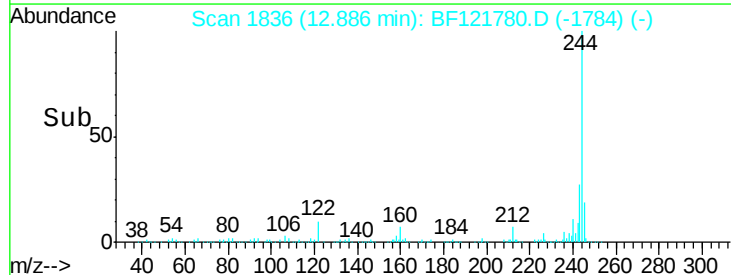
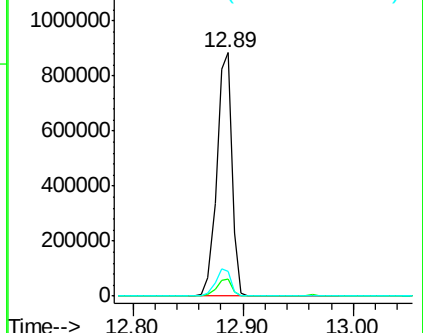
122 9.9 8.1 12.1

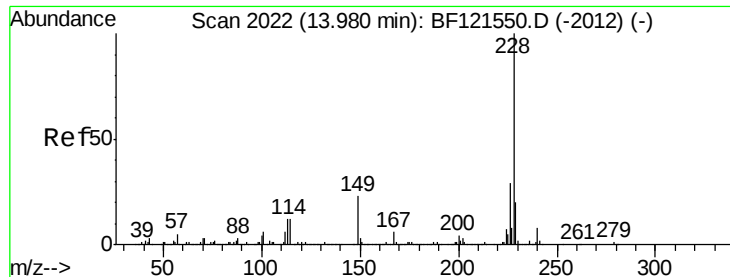


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 119.175 ng

RT: 13.94 min Scan# 2015

Delta R.T. 0.02 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

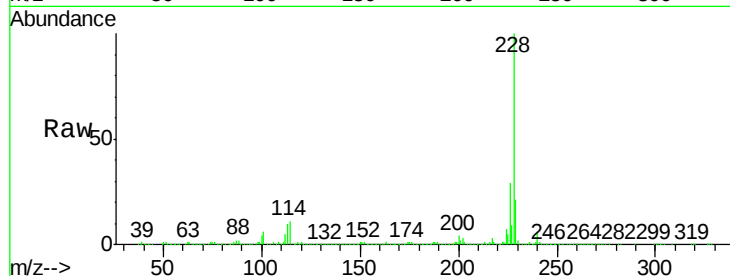
Tot Ion:228 Resp: 2055304

Ion Ratio Lower Upper

228 100

226 29.3 22.3 33.5

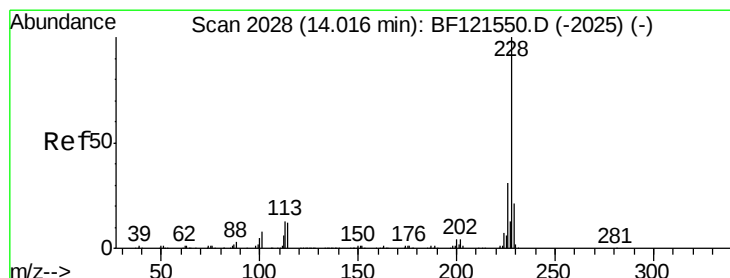
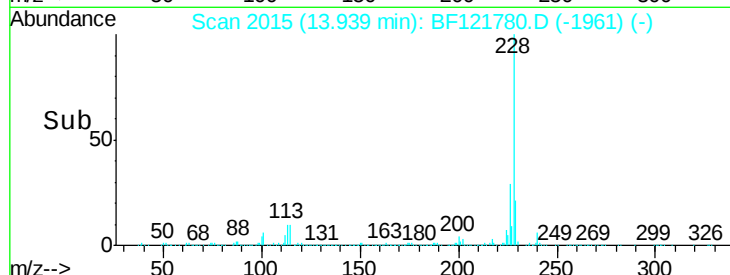
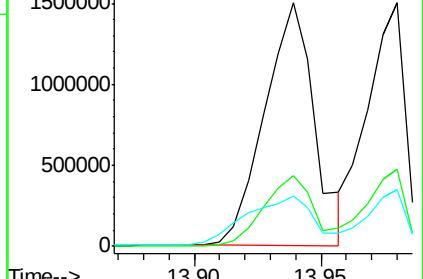
229 20.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 89.549 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.02 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

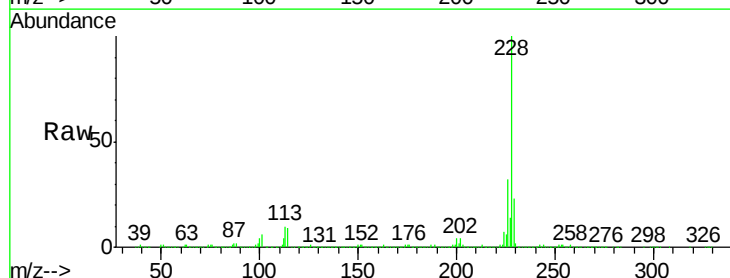
Tgt Ion:228 Resp: 1563881

Ion Ratio Lower Upper

228 100

226 32.0 24.6 37.0

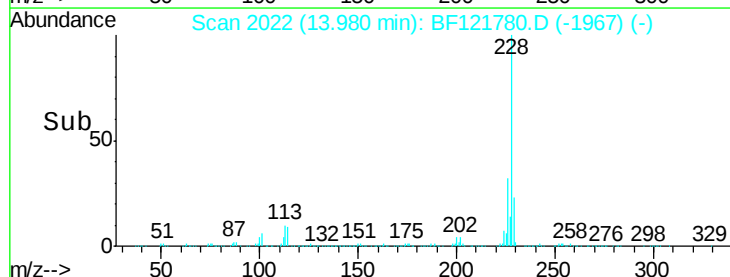
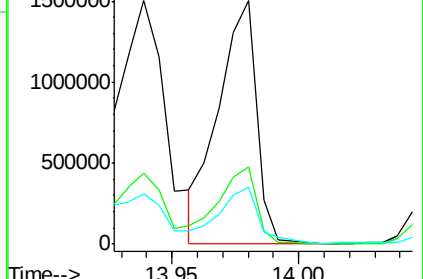
229 23.2 15.9 23.9

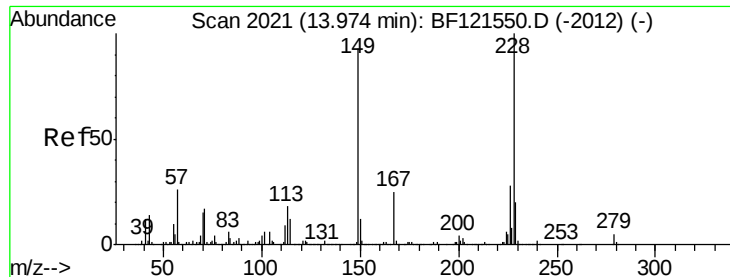


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.409 ng

RT: 13.92 min Scan# 2011

Delta R.T. 0.01 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

Instrument :

BNA\_F

ClientSampleId :

B-13(11-13)

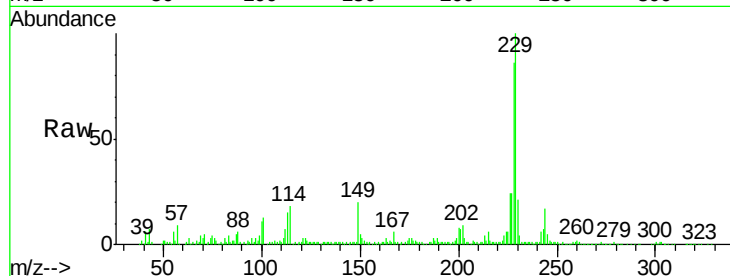
Tot Ion:149 Resp: 36686

Ion Ratio Lower Upper

149 100

167 28.2 20.9 31.3

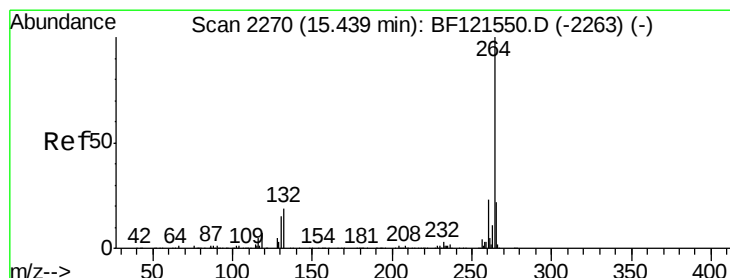
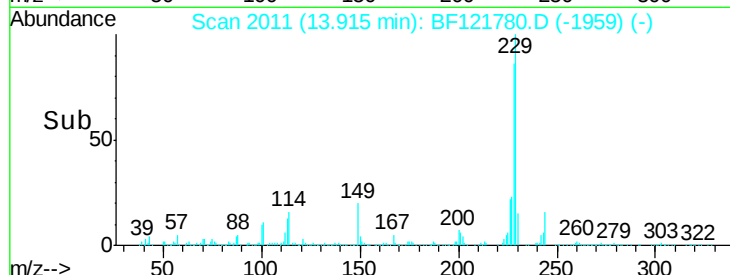
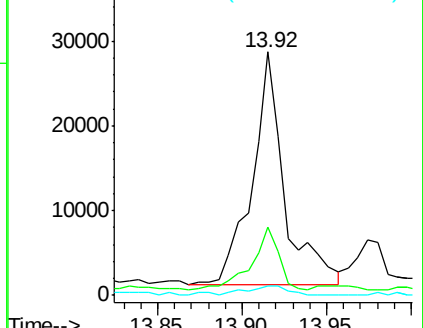
279 3.9 3.2 4.8



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.03 min

Lab File: BF121780.D

Acq: 1 Oct 2020 21:50

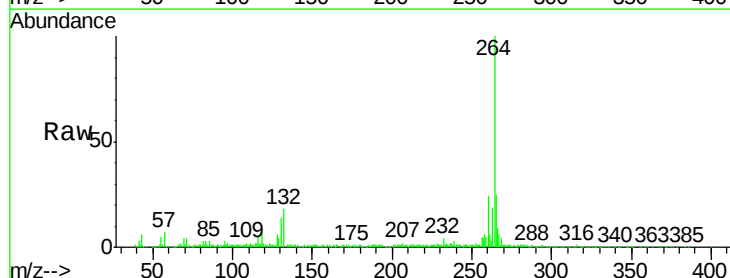
Tgt Ion:264 Resp: 266061

Ion Ratio Lower Upper

264 100

260 23.9 18.7 28.1

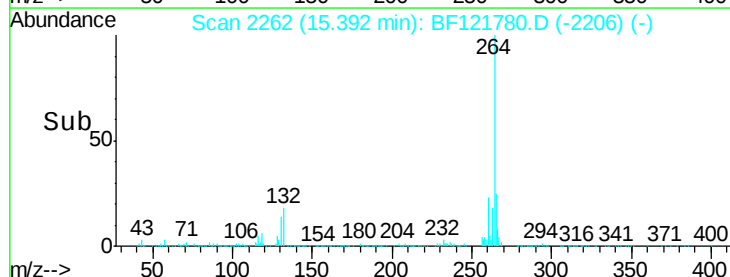
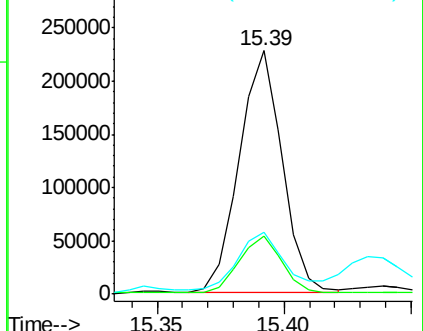
265 25.3 17.3 25.9

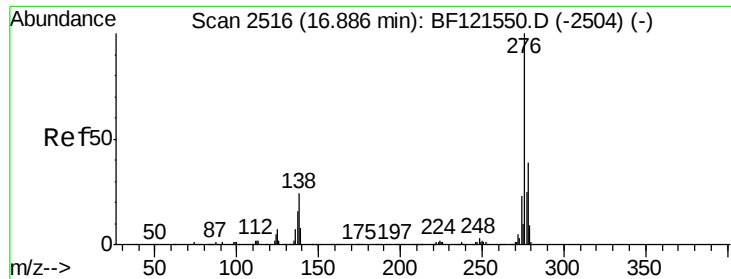


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

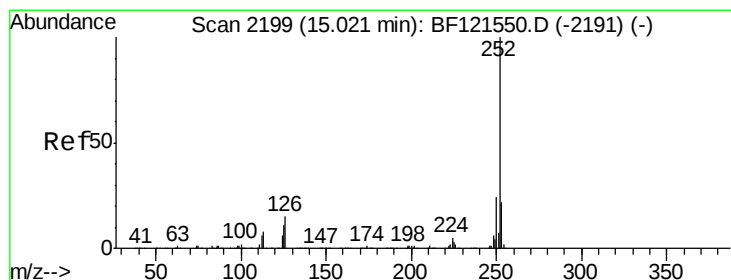
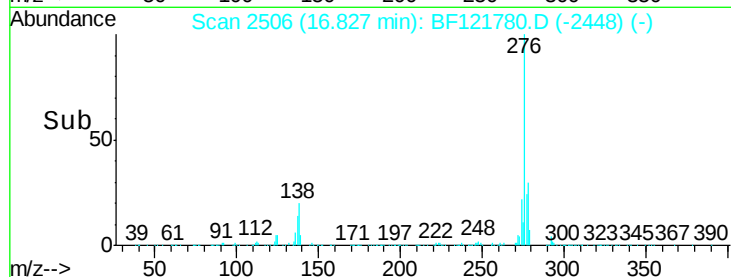
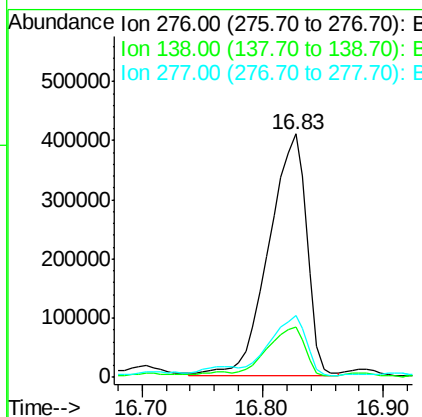
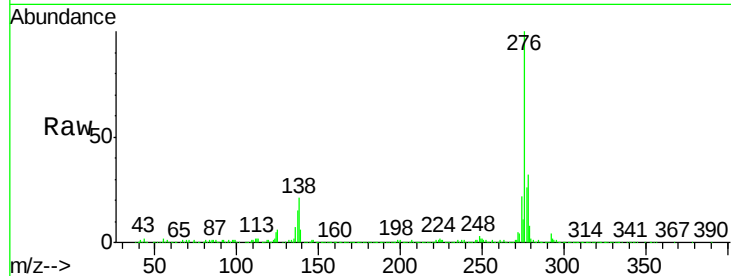




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 51.213 ng  
 RT: 16.83 min Scan# 2506  
 Delta R.T. 0.04 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

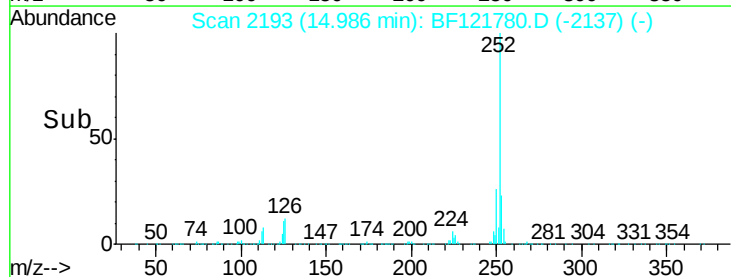
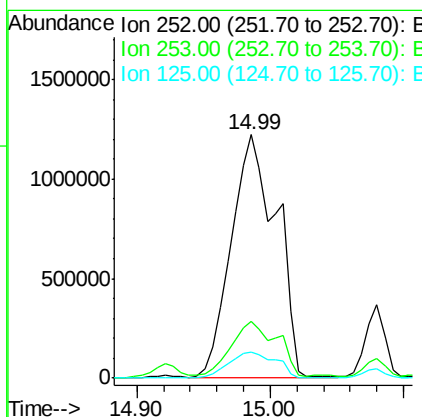
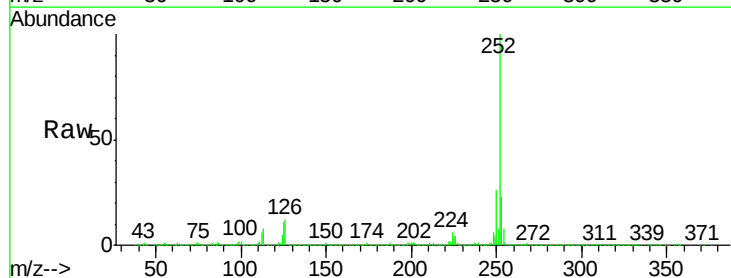
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-13(11-13)

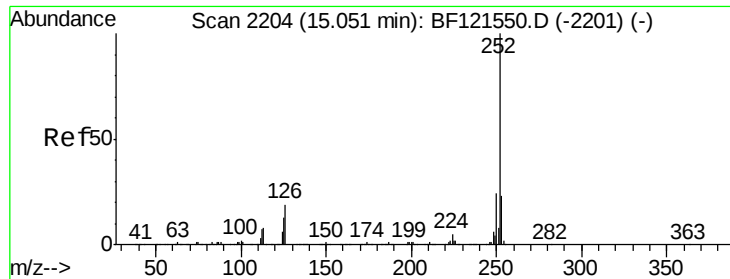
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.8  | 19.9  | 29.9  |
| 277     | 23.6  | 20.4  | 30.6  |



#88  
 Benzo(b)fluoranthene  
 Concen: 161.852 ng  
 RT: 14.99 min Scan# 2193  
 Delta R.T. 0.03 min  
 Lab File: BF121780.D  
 Acq: 1 Oct 2020 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.2  | 18.2  | 27.2  |
| 125     | 10.9  | 8.0   | 12.0  |

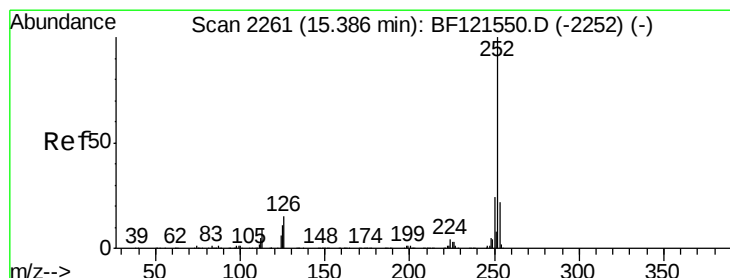
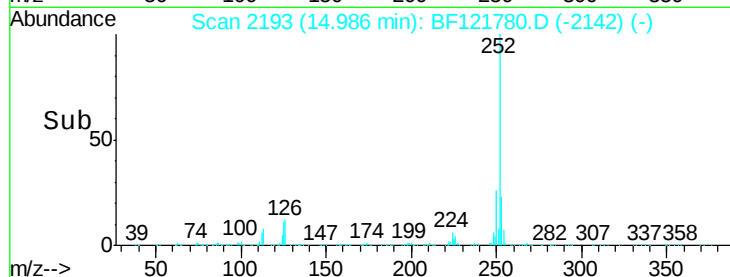
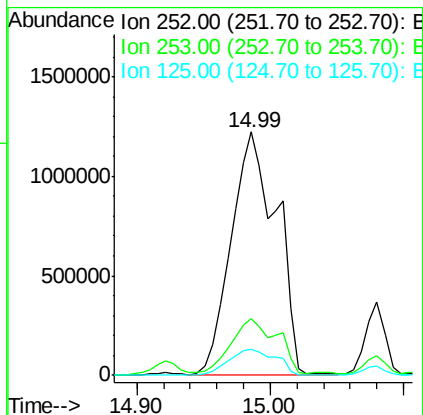
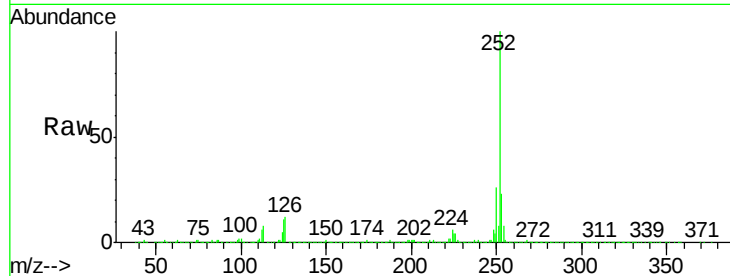




#89  
Benzo(k)fluoranthene  
Concen: 176.744 ng  
RT: 14.99 min Scan# 2193  
Delta R.T. 0.00 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

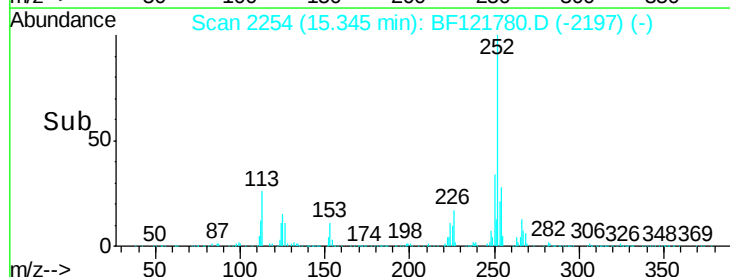
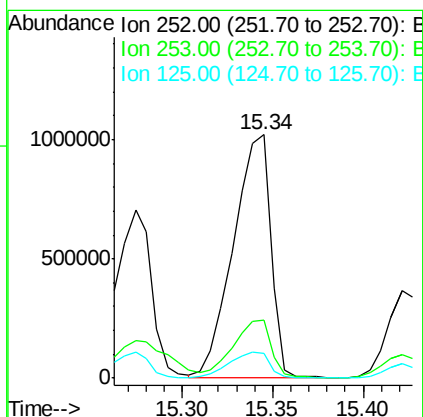
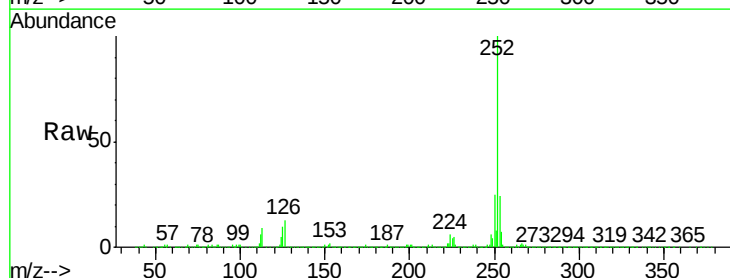
Instrument :  
BNA\_F  
ClientSampleId :  
B-13(11-13)

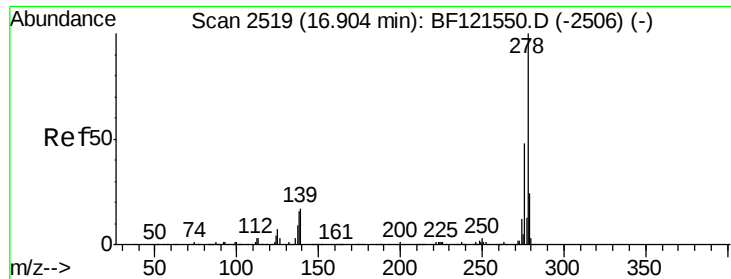
Tot Ion:252 Resp: 2878770  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.8 26.6  
125 10.9 7.7 11.5



#90  
Benzo(a)pyrene  
Concen: 96.809 ng  
RT: 15.34 min Scan# 2254  
Delta R.T. 0.04 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

Tgt Ion:252 Resp: 1463672  
Ion Ratio Lower Upper  
252 100  
253 23.9 17.3 25.9  
125 10.3 8.6 13.0

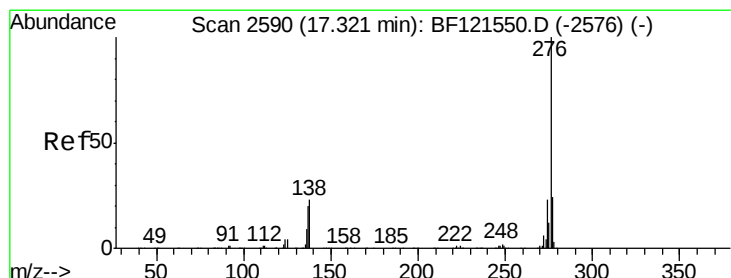
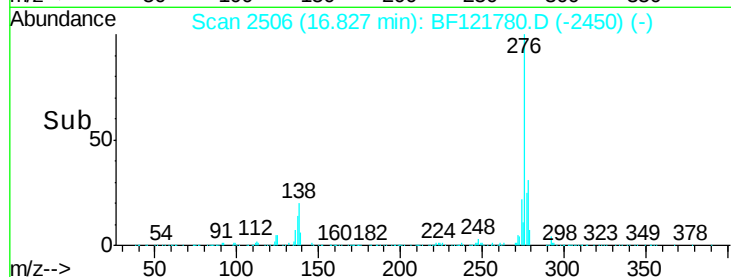
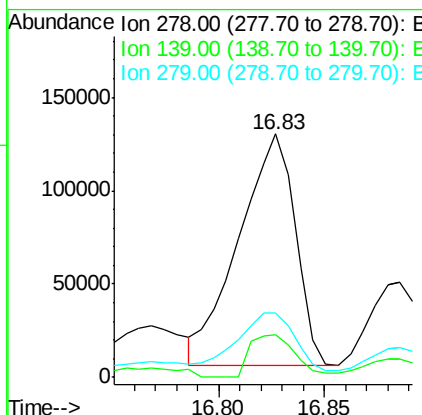
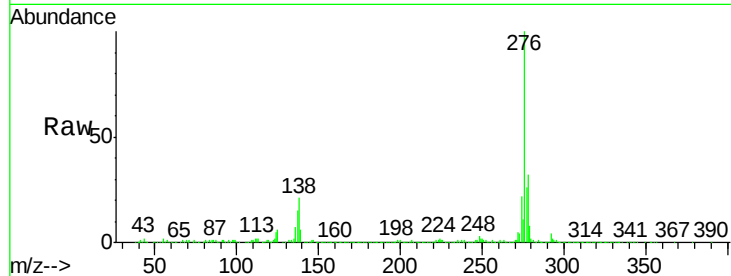




#91  
Dibenzo(a,h)anthracene  
Concen: 16.012 ng  
RT: 16.83 min Scan# 2506  
Delta R.T. 0.03 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

Instrument :  
BNA\_F  
ClientSampleId :  
B-13(11-13)

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 17.5  | 13.0  | 19.4  |
| 279     | 26.6  | 19.0  | 28.4  |



#92  
Benzo(g,h,i)perylene  
Concen: 53.361 ng  
RT: 17.26 min Scan# 2579  
Delta R.T. 0.05 min  
Lab File: BF121780.D  
Acq: 1 Oct 2020 21:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.9  | 19.4  | 29.2  |
| 138     | 22.1  | 17.8  | 26.6  |

