

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\  
 Data File : BF121768.D  
 Acq On : 1 Oct 2020 15:39  
 Operator : JU/CG  
 Sample : L4172-02DL 5X  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(7-9)DL

Quant Time: Oct 01 16:06:09 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

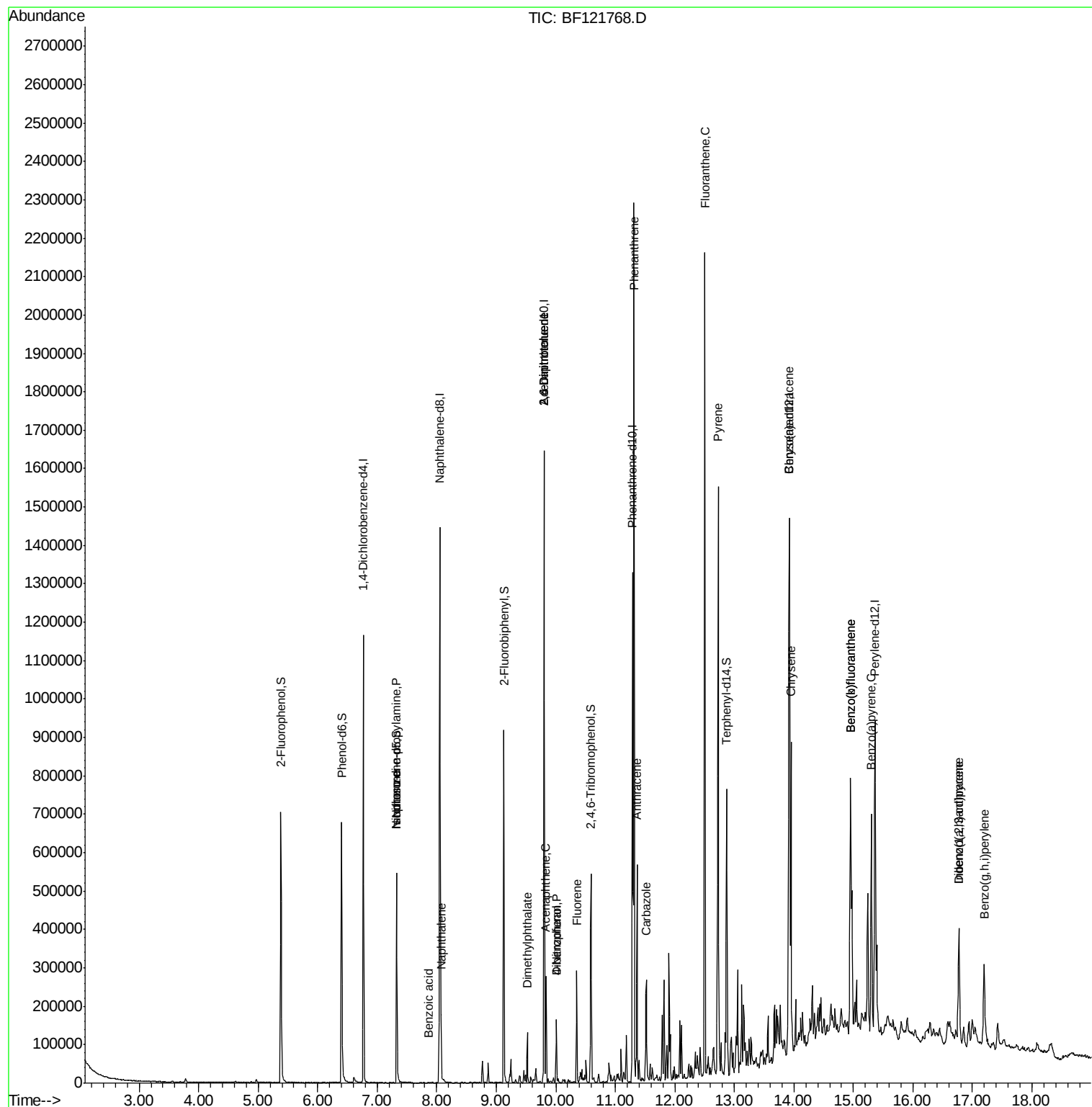
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|--------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.77  | 152  | 156484   | 20.00  | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.05  | 136  | 599766   | 20.00  | ng    | 0.00        |
| 39) Acenaphthene-d10           | 9.80  | 164  | 291633   | 20.00  | ng    | 0.00        |
| 64) Phenanthrene-d10           | 11.29 | 188  | 505806   | 20.00  | ng    | 0.00        |
| 76) Chrysene-d12               | 13.93 | 240  | 337416   | 20.00  | ng    | 0.00        |
| 86) Perylene-d12               | 15.36 | 264  | 335184   | 20.00  | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |        |       |             |
| 5) 2-Fluorophenol              | 5.38  | 112  | 195619   | 18.58  | ng    | 0.00        |
| 7) Phenol-d6                   | 6.40  | 99   | 247872   | 17.94  | ng    | -0.01       |
| 23) Nitrobenzene-d5            | 7.33  | 82   | 158825   | 14.22  | ng    | -0.01       |
| 42) 2,4,6-Tribromophenol       | 10.59 | 330  | 58524    | 16.15  | ng    | -0.01       |
| 45) 2-Fluorobiphenyl           | 9.13  | 172  | 276009   | 14.33  | ng    | 0.00        |
| 79) Terphenyl-d14              | 12.87 | 244  | 206453   | 12.40  | ng    | -0.01       |
| Target Compounds               |       |      |          |        |       |             |
| 19) n-Nitroso-di-n-propylamine | 7.33  | 70   | 20464    | 2.570  | ng    | Qvalue # 78 |
| 25) Isophorone                 | 7.33  | 82   | 158824   | 7.063  | ng    | # 67        |
| 31) Naphthalene                | 8.07  | 128  | 70712    | 2.233  | ng    | # 98        |
| 32) Benzoic acid               | 7.86  | 122  | 240      | 6.963  | ng    | # 1         |
| 50) Dimethylphthalate          | 9.52  | 163  | 46196    | 2.186  | ng    | # 98        |
| 51) 2,6-Dinitrotoluene         | 9.80  | 165  | 38765    | 8.612  | ng    | # 21        |
| 52) Acenaphthene               | 9.83  | 154  | 57819    | 3.238  | ng    | # 98        |
| 55) Dibenzofuran               | 10.01 | 168  | 57375    | 2.282  | ng    | # 96        |
| 56) 4-Nitrophenol              | 10.01 | 139  | 20942    | 5.036  | ng    | # 12        |
| 57) 2,4-Dinitrotoluene         | 9.80  | 165  | 38765    | 6.845  | ng    | # 20        |
| 58) Fluorene                   | 10.35 | 166  | 71995    | 3.744  | ng    | # 99        |
| 71) Phenanthrene               | 11.32 | 178  | 751959   | 27.286 | ng    | # 99        |
| 72) Anthracene                 | 11.36 | 178  | 195965   | 6.891  | ng    | # 99        |
| 73) Carbazole                  | 11.52 | 167  | 99539    | 3.879  | ng    | # 98        |
| 75) Fluoranthene               | 12.50 | 202  | 845905   | 28.754 | ng    | # 98        |
| 78) Pyrene                     | 12.73 | 202  | 665385   | 26.990 | ng    | # 99        |
| 81) Benzo(a)anthracene         | 13.92 | 228  | 347767   | 16.291 | ng    | # 100       |
| 83) Chrysene                   | 13.95 | 228  | 273572   | 12.656 | ng    | # 97        |
| 87) Indeno(1,2,3-cd)pyrene     | 16.77 | 276  | 175789   | 8.053  | ng    | # 96        |
| 88) Benzo(b)fluoranthene       | 14.95 | 252  | 468723   | 20.918 | ng    | # 98        |
| 89) Benzo(k)fluoranthene       | 14.95 | 252  | 468723   | 22.843 | ng    | # 98        |
| 90) Benzo(a)pyrene             | 15.30 | 252  | 253264   | 13.297 | ng    | # 96        |
| 91) Dibenzo(a,h)anthracene     | 16.78 | 278  | 50320    | 2.769  | ng    | # 90        |
| 92) Benzo(g,h,i)perylene       | 17.20 | 276  | 162658   | 9.107  | ng    | # 100       |

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

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Quant Time: Oct 01 16:06:09 2020  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M  
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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# 796

Delta R.T. 0.00 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

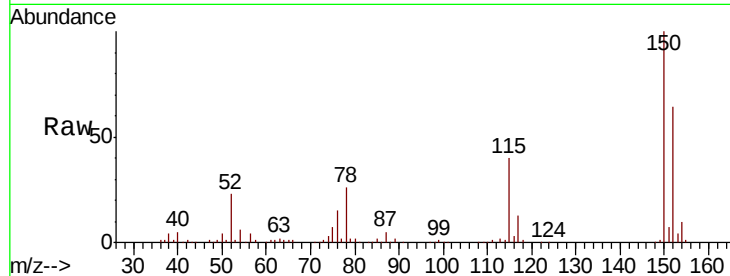
Tot Ion:152 Resp: 156484

Ion Ratio Lower Upper

152 100

150 155.3 125.3 187.9

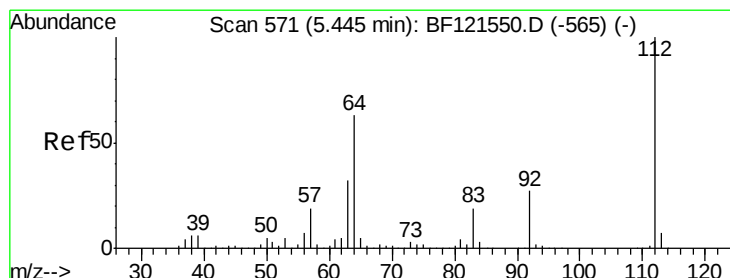
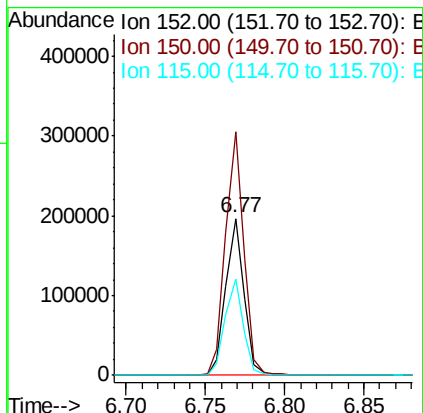
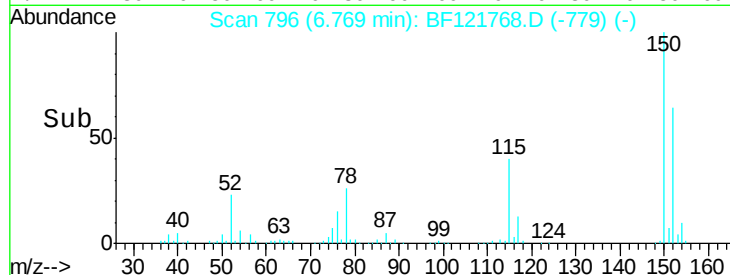
115 61.7 51.9 77.9



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: 18.578 ng

RT: 5.38 min Scan# 560

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

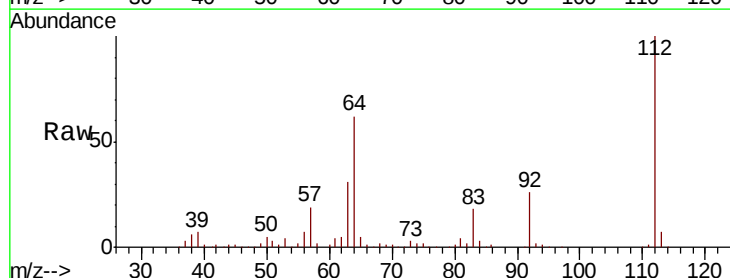
Tgt Ion:112 Resp: 195619

Ion Ratio Lower Upper

112 100

64 62.1 50.4 75.6

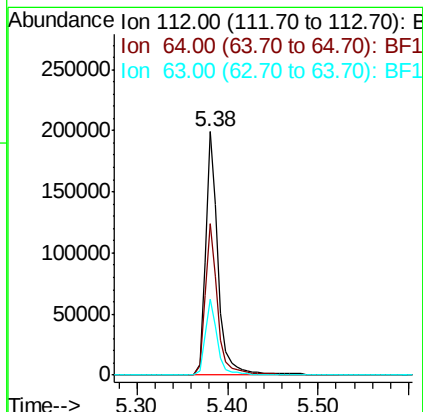
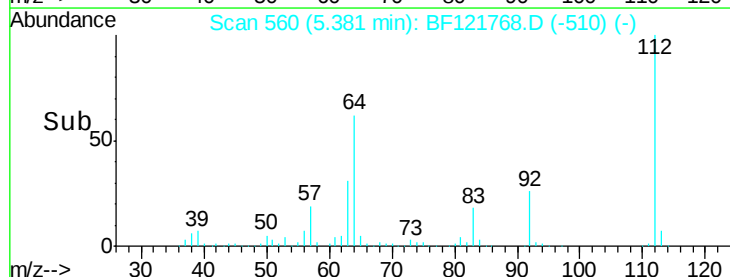
63 31.4 25.8 38.6

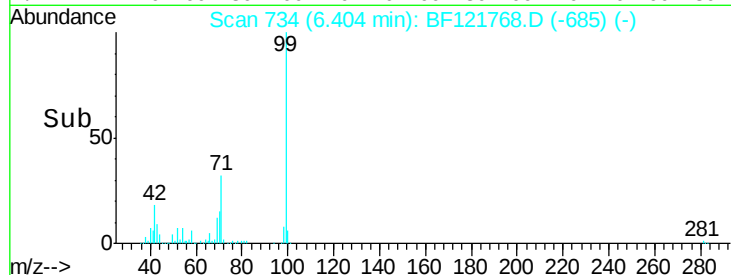
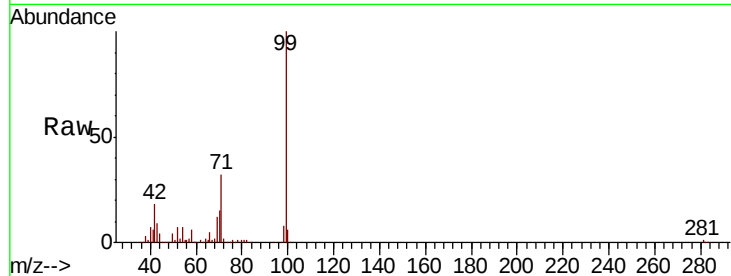
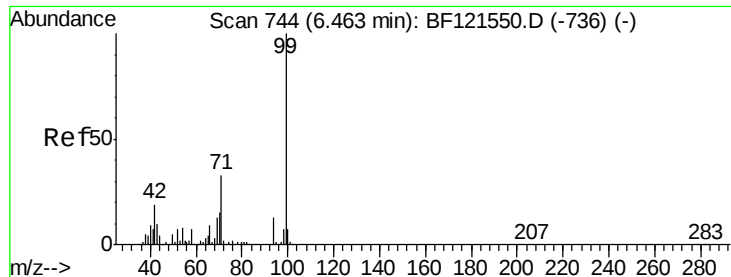


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 17.943 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

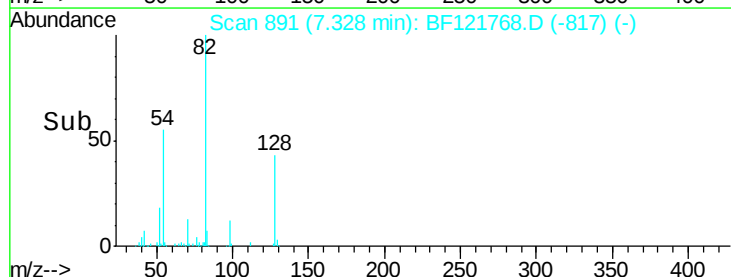
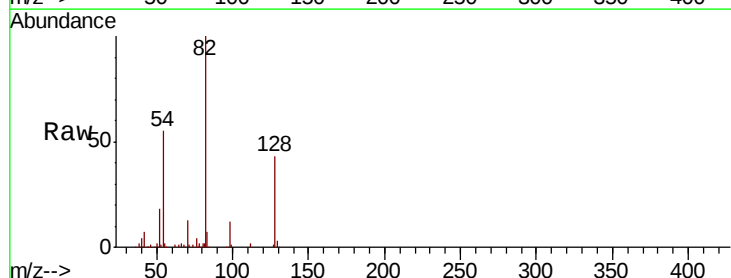
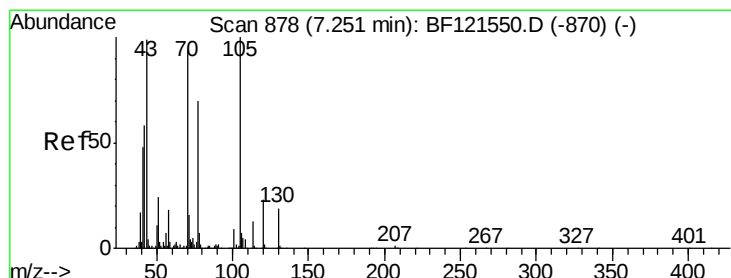
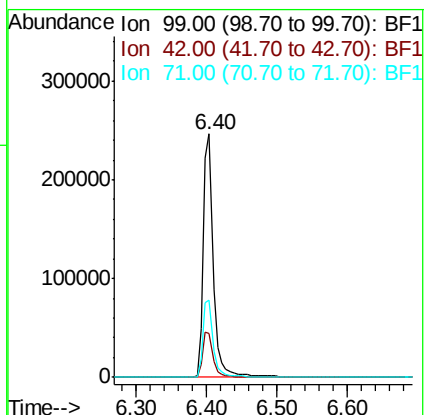
Tot Ion: 99 Resp: 247872

Ion Ratio Lower Upper

99 100

42 17.9 15.9 23.9

71 31.7 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 2.570 ng

RT: 7.33 min Scan# 891

Delta R.T. 0.14 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Tgt Ion: 70 Resp: 20464

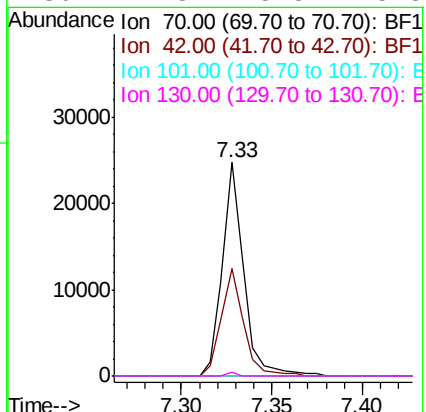
Ion Ratio Lower Upper

70 100

42 50.1 50.2 75.4#

101 0.0 7.5 11.3#

130 1.8 15.5 23.3#

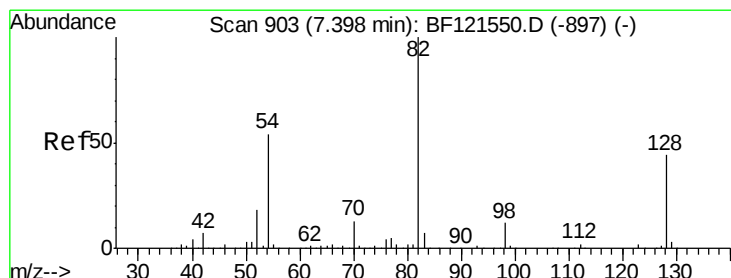
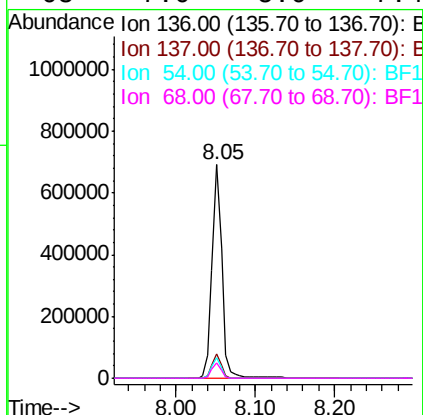
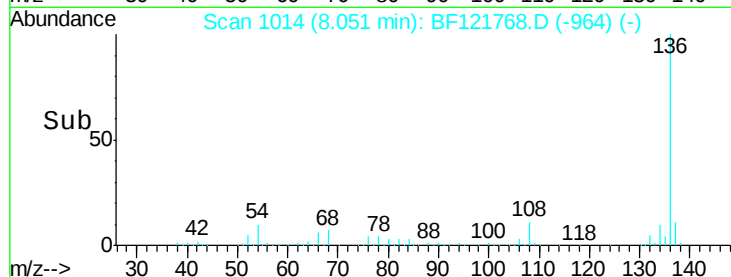
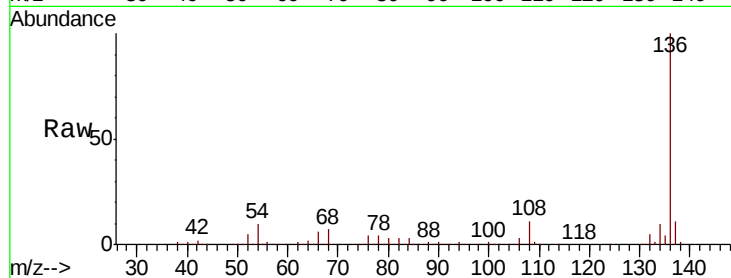




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.05 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BF121768.D  
Acq: 1 Oct 2020 15:39

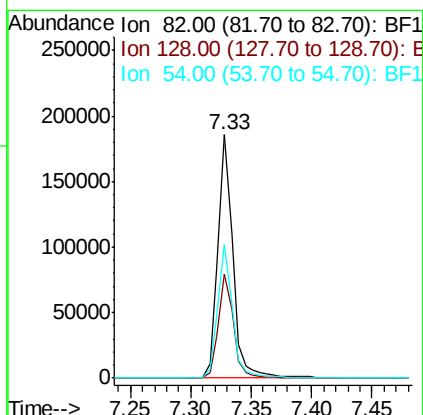
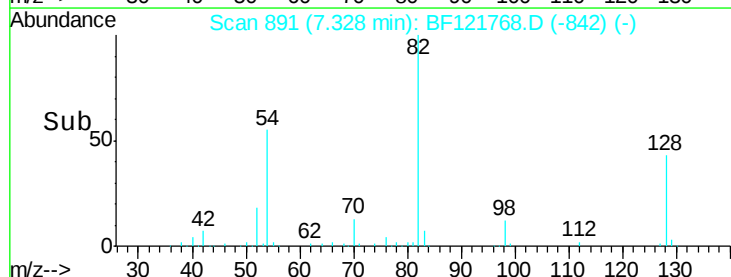
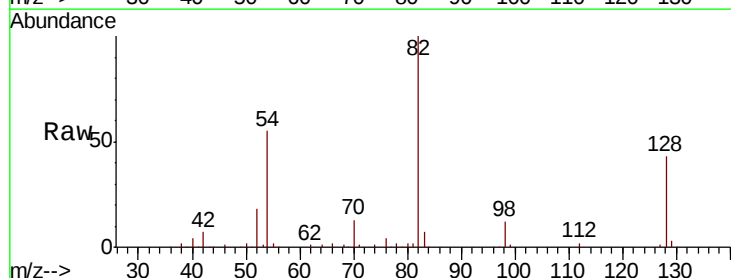
Instrument :  
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B-6(7-9)DL

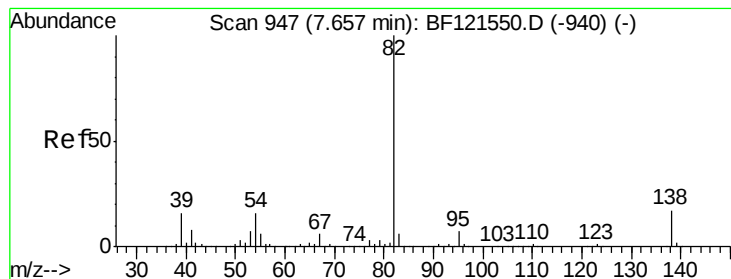
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 599766      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.5  | 8.6 13.0    |
| 54          | 9.6   | 7.1 10.7    |
| 68          | 7.0   | 5.0 7.4     |



#23  
Nitrobenzene-d5  
Concen: 14.218 ng  
RT: 7.33 min Scan# 891  
Delta R.T. -0.01 min  
Lab File: BF121768.D  
Acq: 1 Oct 2020 15:39

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 158825      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 42.7  | 35.0 52.4   |
| 54          | 54.9  | 43.9 65.9   |





#25

Isophorone

Concen: 7.063 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.27 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleID :

B-6(7-9)DL

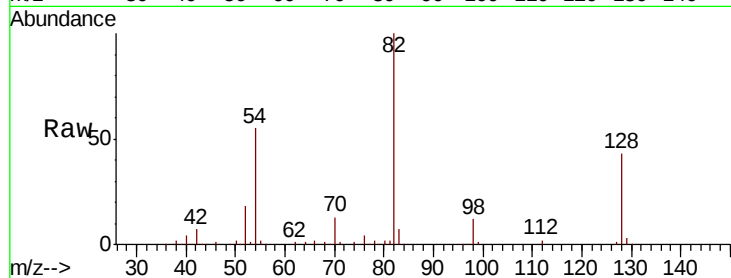
Tot Ion: 82 Resp: 158824

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

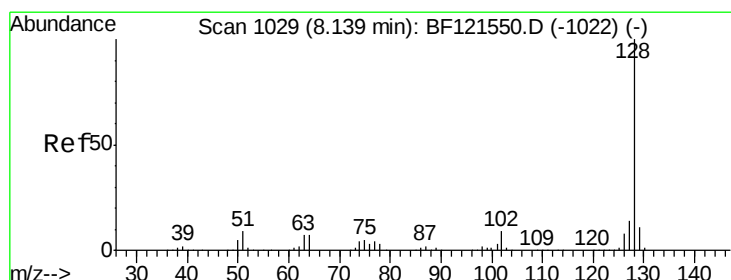
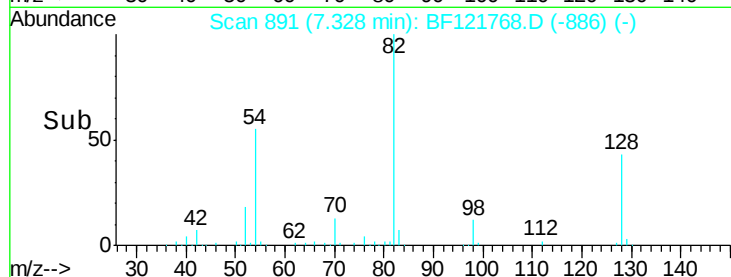
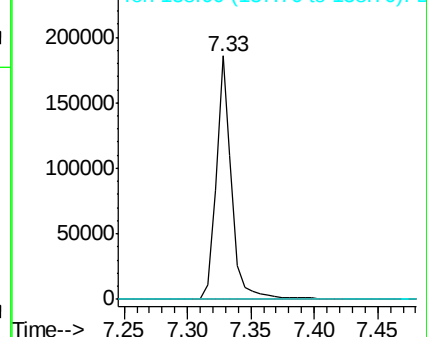
138 0.0 13.4 20.0#



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: 2.233 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

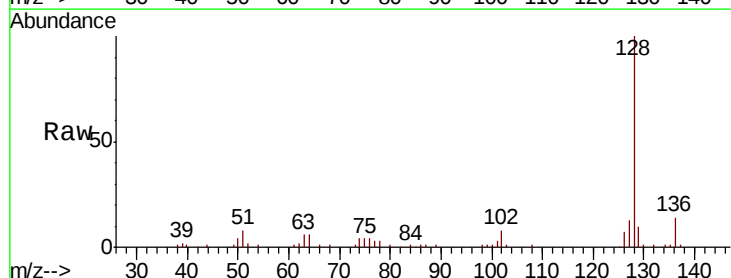
Tgt Ion: 128 Resp: 70712

Ion Ratio Lower Upper

128 100

129 10.4 8.7 13.1

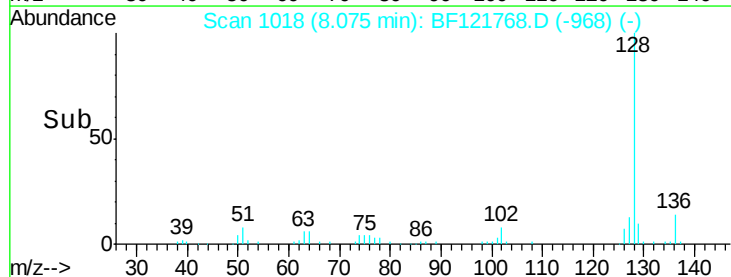
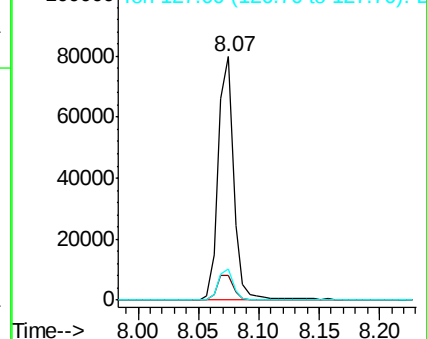
127 12.8 10.8 16.2

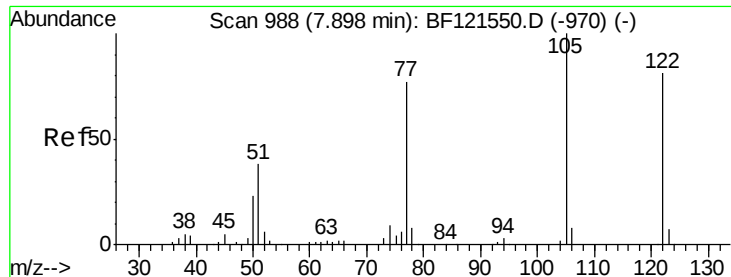


Abundance Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#32

Benzoic acid

Concen: 6.963 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

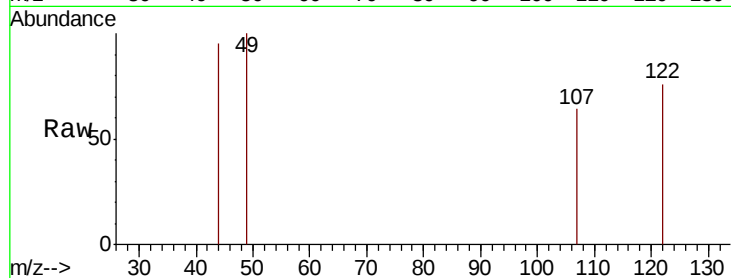
Tot Ion:122 Resp: 240

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

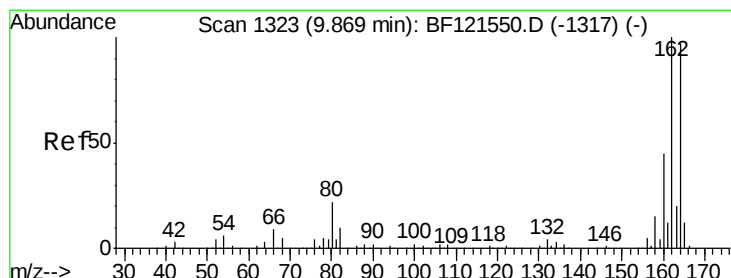
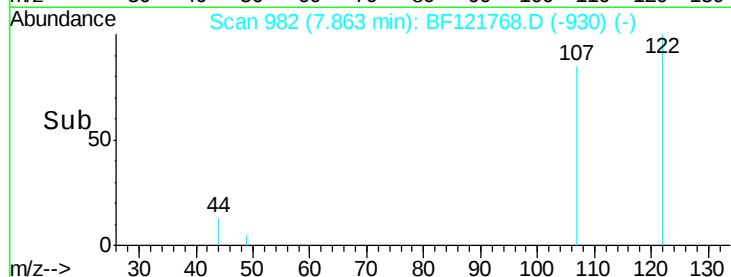
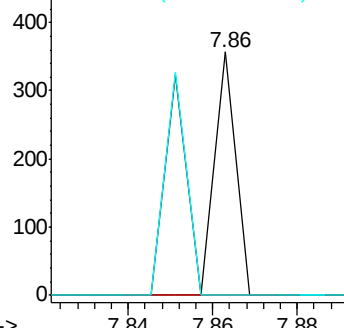
77 0.0 73.9 113.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

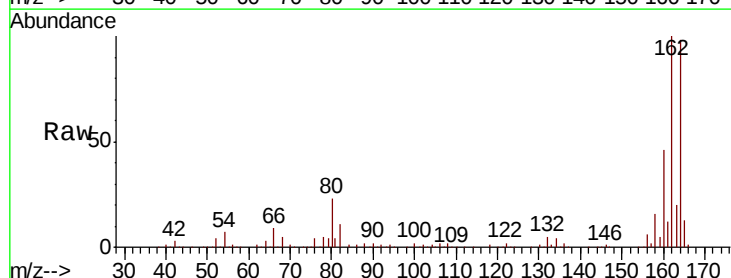
Tgt Ion:164 Resp: 291633

Ion Ratio Lower Upper

164 100

162 101.8 83.2 124.8

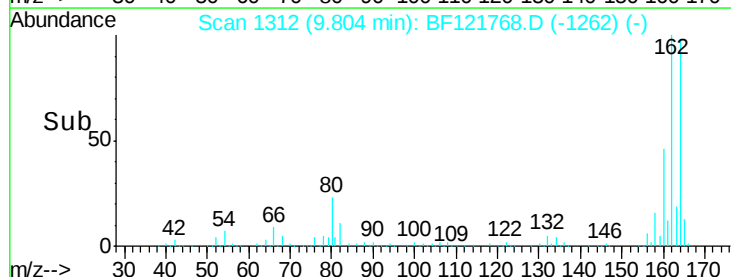
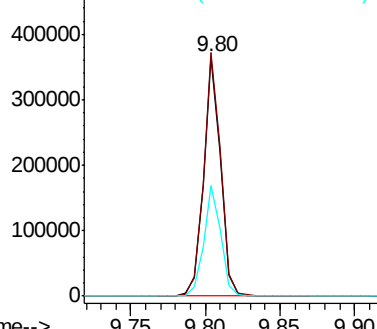
160 46.4 37.5 56.3

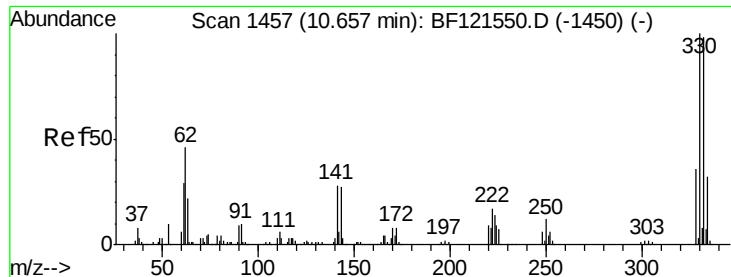


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

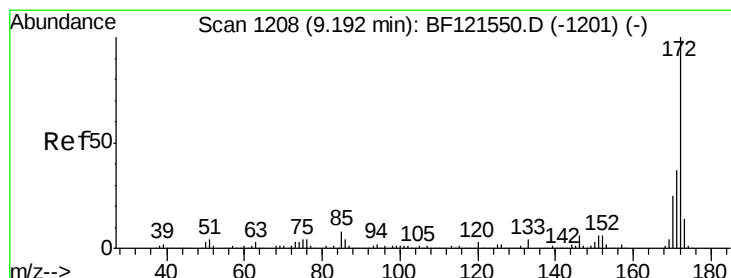
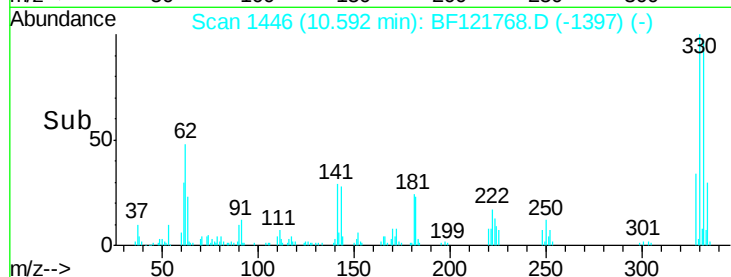
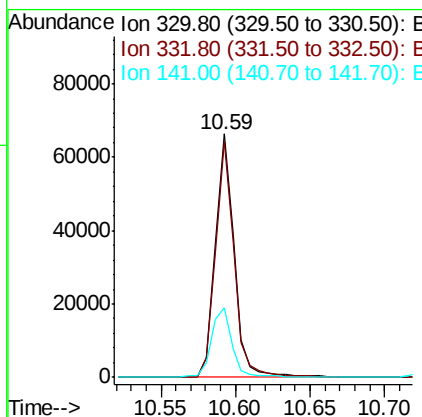
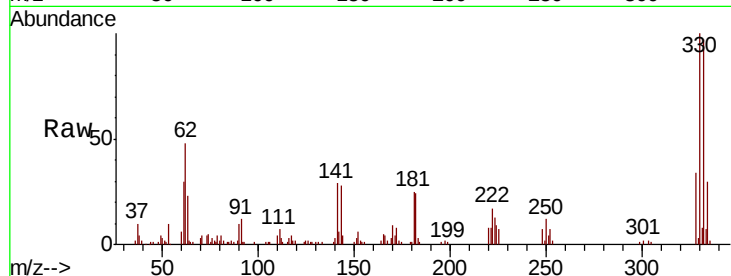




#42  
 2,4,6-Tribromophenol  
 Concen: 16.146 ng  
 RT: 10.59 min Scan# 1446  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

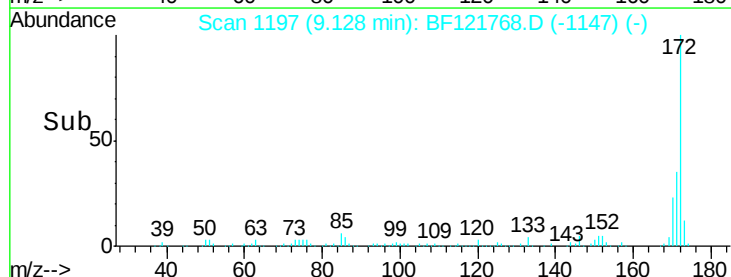
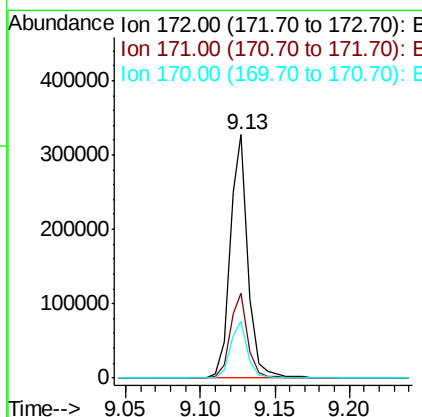
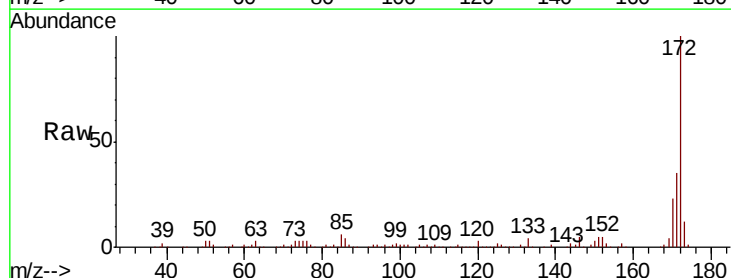
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(7-9)DL

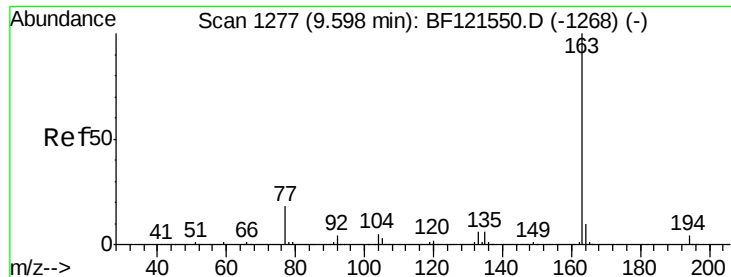
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.9  | 77.3  | 115.9 |
| 141     | 31.2  | 22.3  | 33.5  |



#45  
 2-Fluorobiphenyl  
 Concen: 14.334 ng  
 RT: 9.13 min Scan# 1197  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 34.9  | 29.1  | 43.7  |
| 170     | 23.1  | 19.8  | 29.6  |





#50

Dimethylphthalate

Concen: 2.186 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.02 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

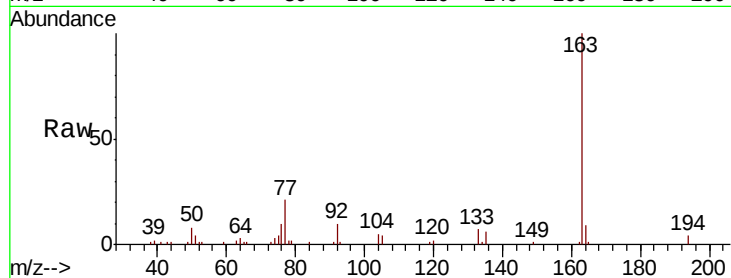
Tot Ion:163 Resp: 46196

Ion Ratio Lower Upper

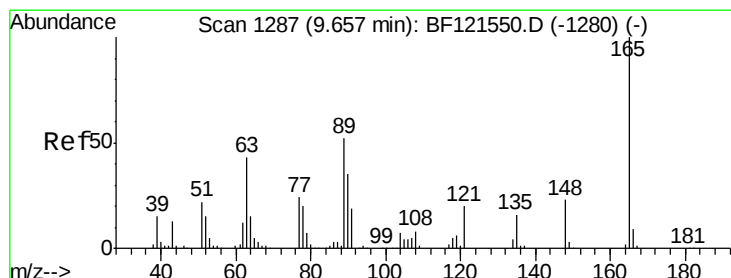
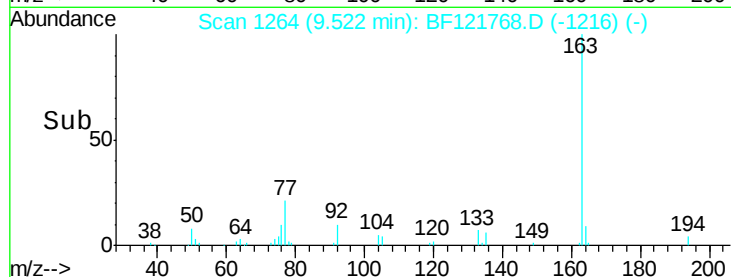
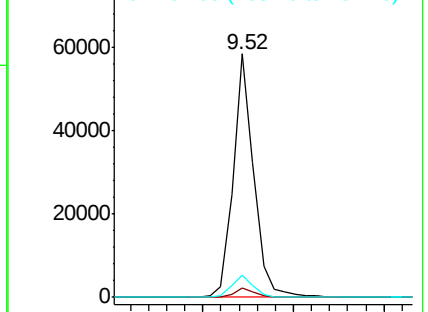
163 100

194 4.0 3.3 4.9

164 9.3 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: 8.612 ng

RT: 9.80 min Scan# 1312

Delta R.T. 0.21 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

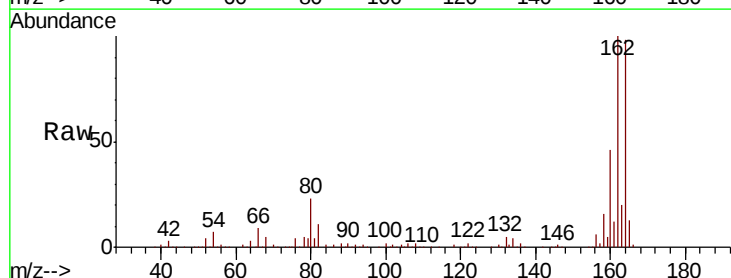
Tgt Ion:165 Resp: 38765

Ion Ratio Lower Upper

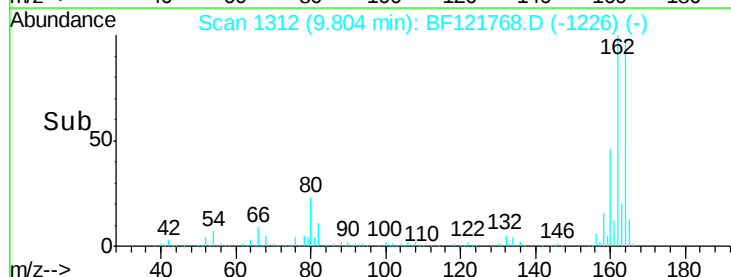
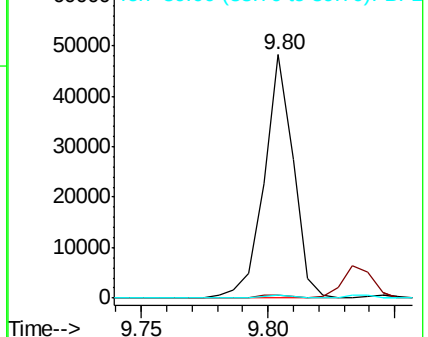
165 100

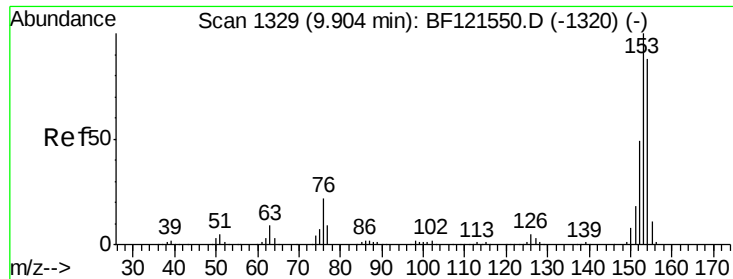
63 1.5 51.8 77.6#

89 1.3 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: 3.238 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

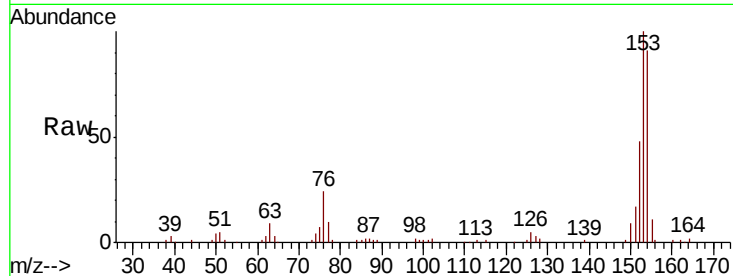
Tot Ion:154 Resp: 57819

Ion Ratio Lower Upper

154 100

153 109.8 89.8 134.8

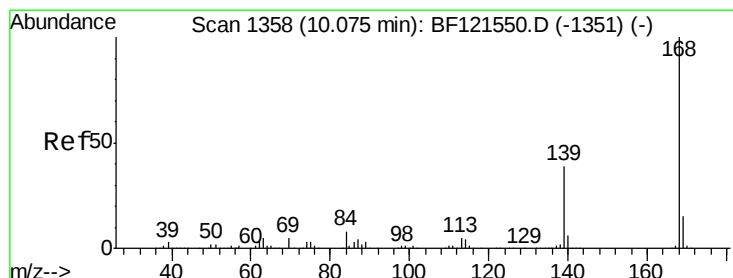
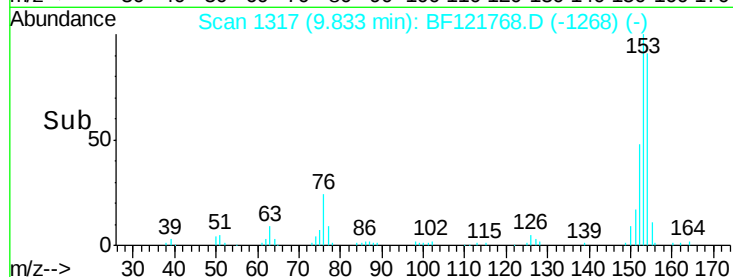
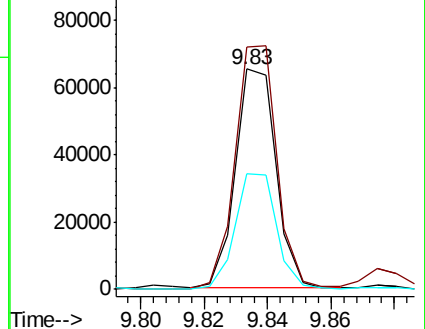
152 52.3 43.2 64.8



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



#55

Dibenzofuran

Concen: 2.282 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

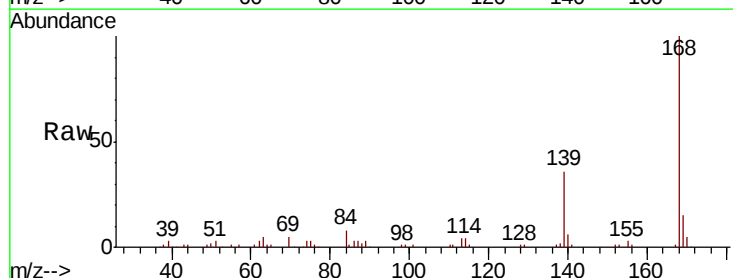
Tgt Ion:168 Resp: 57375

Ion Ratio Lower Upper

168 100

139 35.9 31.0 46.6

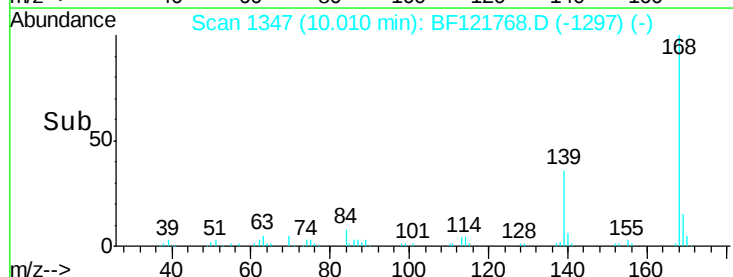
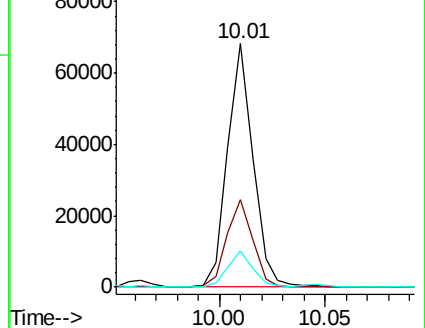
169 15.1 11.3 16.9

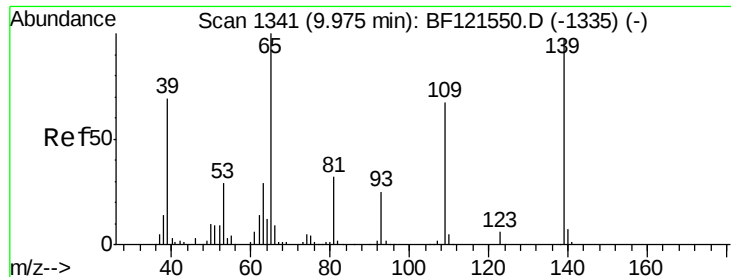


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

4-Nitrophenol

Concen: 5.036 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.07 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

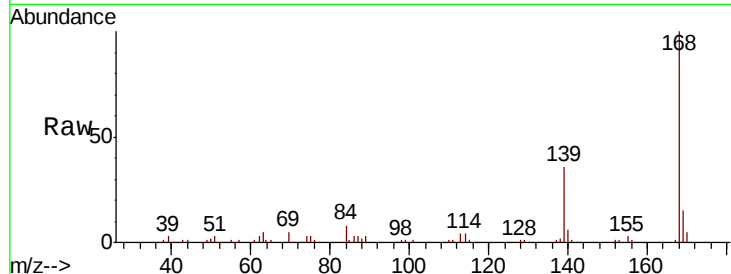
Tot Ion:139 Resp: 20942

Ion Ratio Lower Upper

139 100

109 0.0 45.4 85.4#

65 2.0 68.4 108.4#

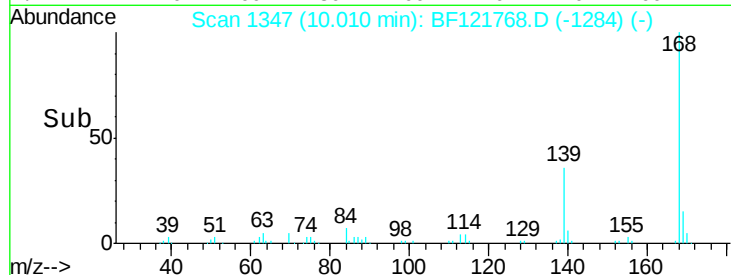


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

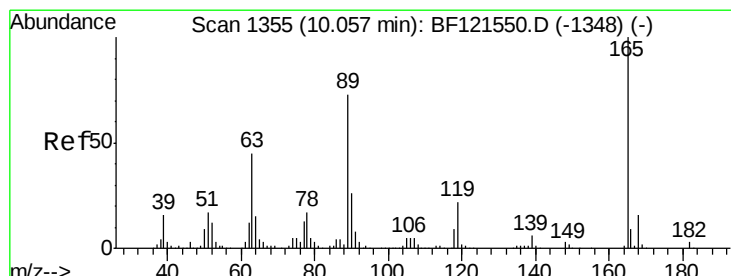
Ion 65.00 (64.70 to 65.70): BF1

Time-->



10.01

Time-->



#57

2,4-Dinitrotoluene

Concen: 6.845 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.20 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Tgt Ion:165 Resp: 38765

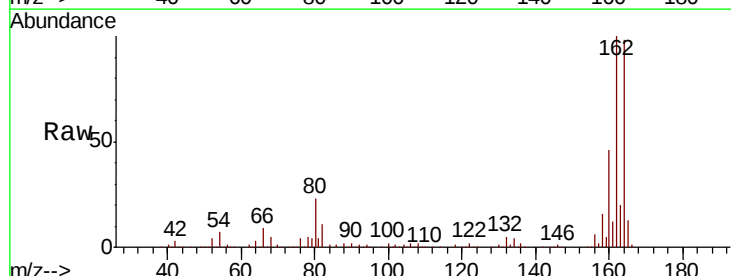
Ion Ratio Lower Upper

165 100

63 1.5 41.3 61.9#

89 1.3 61.8 92.8#

182 0.0 2.1 3.1#



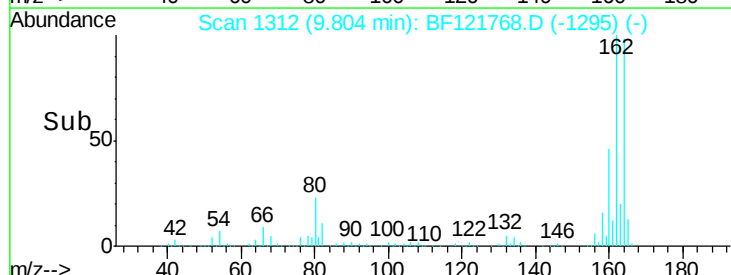
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

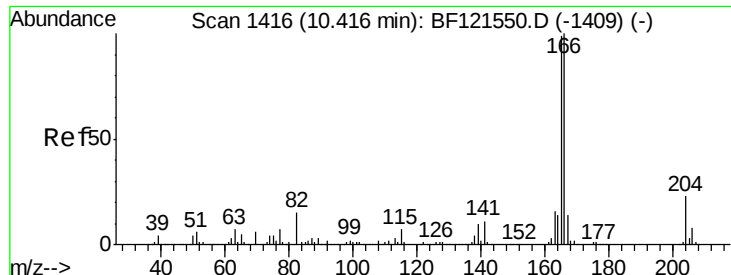
Ion 182.00 (181.70 to 182.70): E

Time-->



9.80

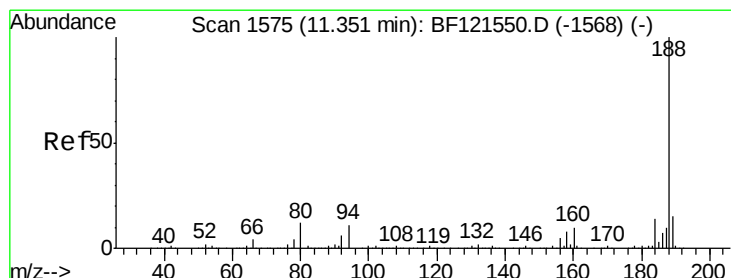
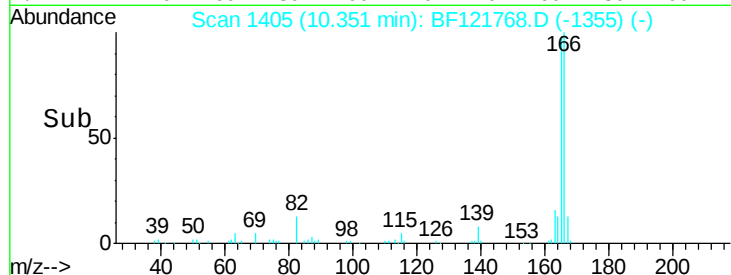
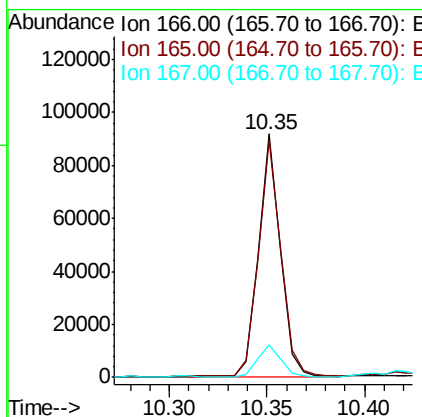
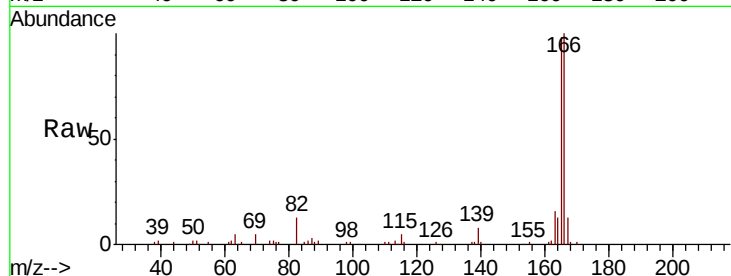
Time-->



#58  
 Fluorene  
 Concen: 3.744 ng  
 RT: 10.35 min Scan# 1405  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

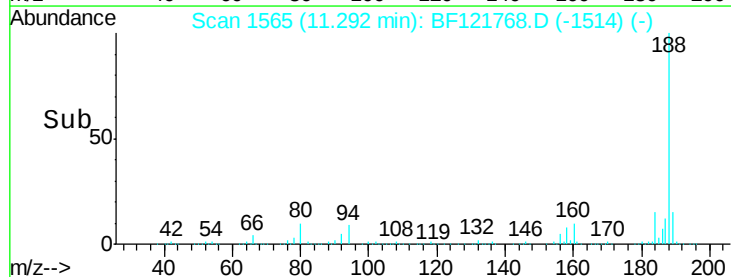
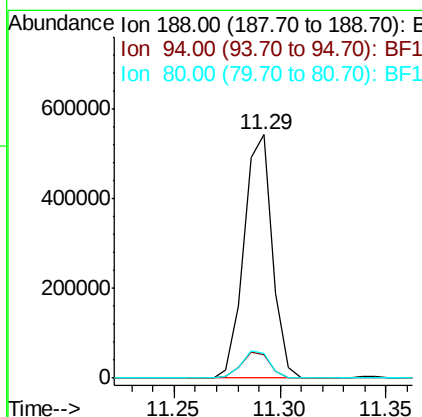
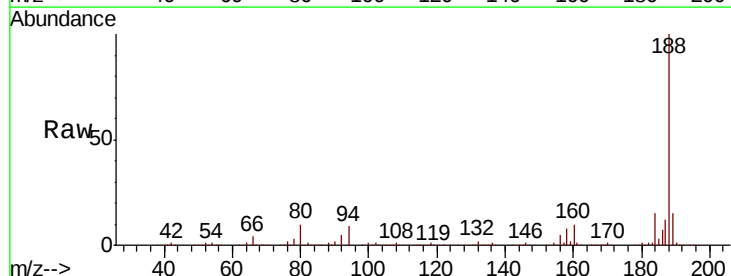
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(7-9)DL

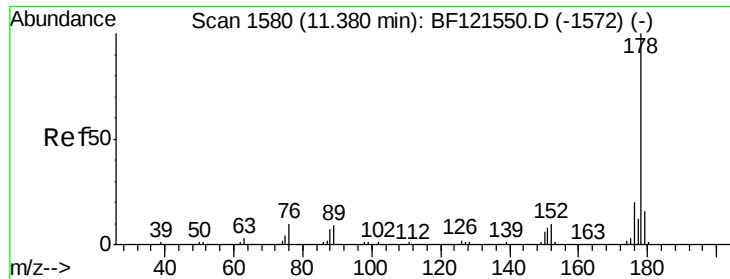
Tot Ion:166 Resp: 71995  
 Ion Ratio Lower Upper  
 166 100  
 165 97.6 79.1 118.7  
 167 13.4 11.0 16.6



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.29 min Scan# 1565  
 Delta R.T. 0.00 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

Tgt Ion:188 Resp: 505806  
 Ion Ratio Lower Upper  
 188 100  
 94 9.5 8.3 12.5  
 80 10.3 9.1 13.7

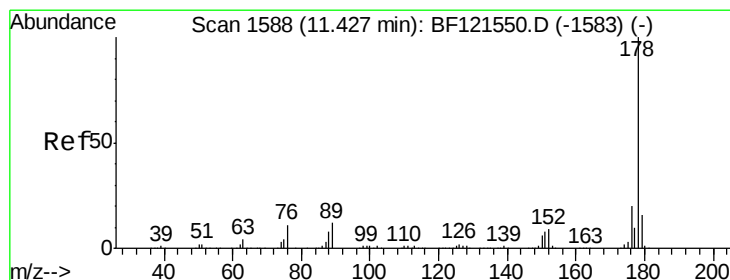
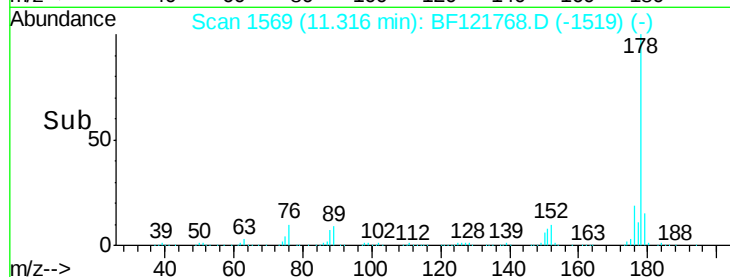
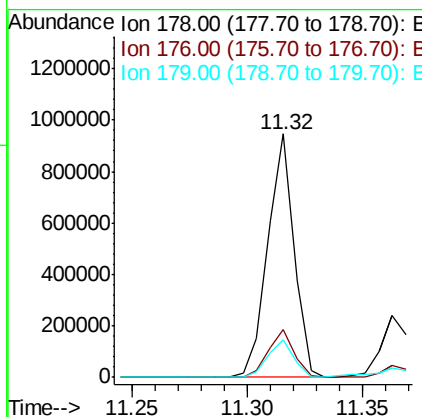
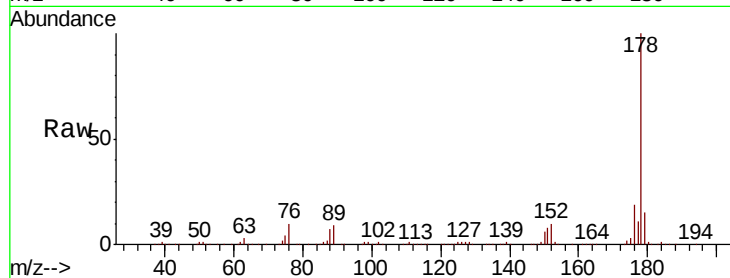




#71  
 Phenanthrene  
 Concen: 27.286 ng  
 RT: 11.32 min Scan# 1569  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

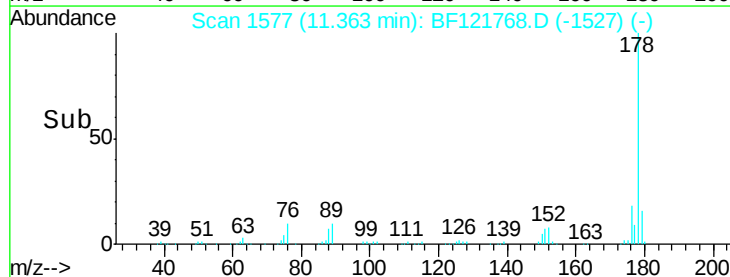
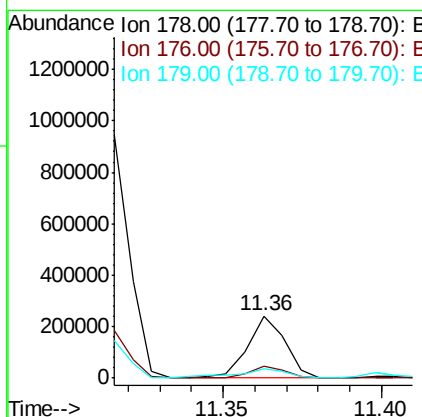
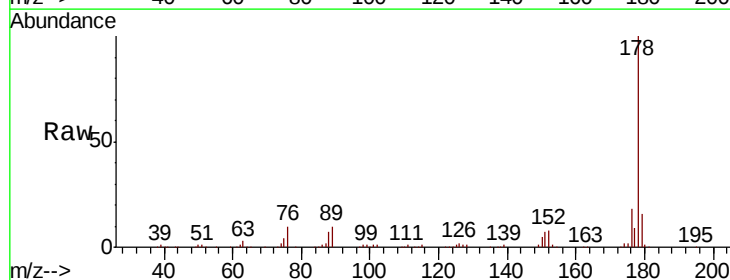
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(7-9)DL

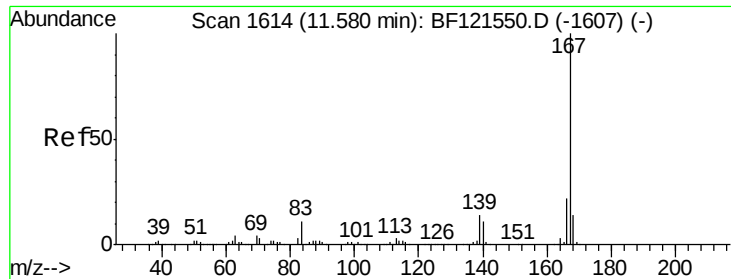
Tot Ion:178 Resp: 751959  
 Ion Ratio Lower Upper  
 178 100  
 176 19.5 15.9 23.9  
 179 15.5 12.2 18.4



#72  
 Anthracene  
 Concen: 6.891 ng  
 RT: 11.36 min Scan# 1577  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

Tgt Ion:178 Resp: 195965  
 Ion Ratio Lower Upper  
 178 100  
 176 18.5 15.7 23.5  
 179 15.8 12.7 19.1

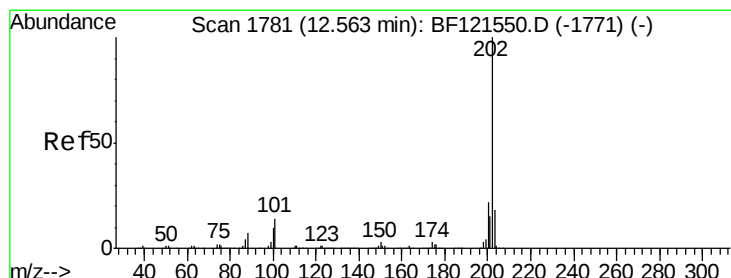
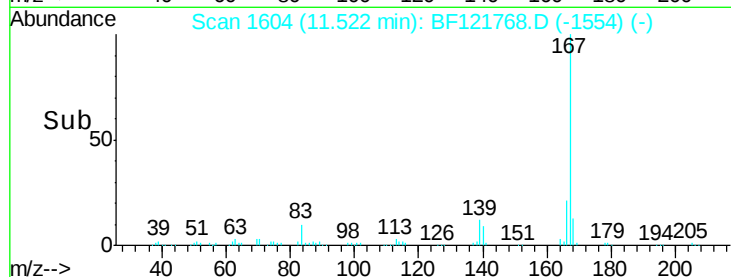
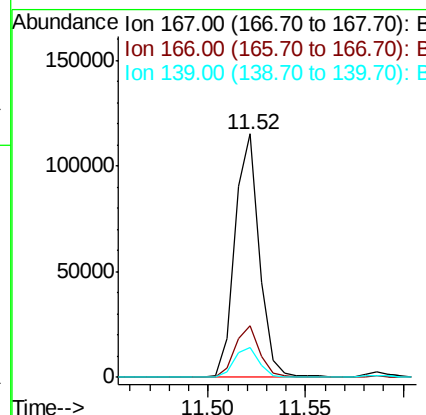
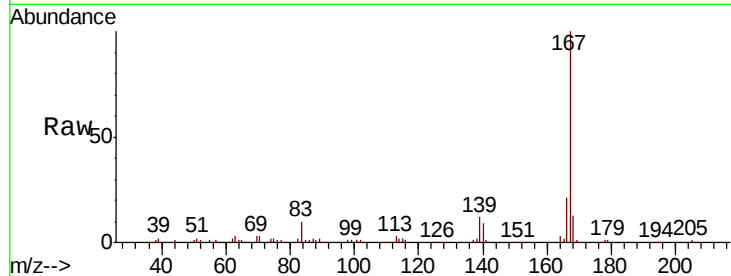




#73  
 Carbazole  
 Concen: 3.879 ng  
 RT: 11.52 min Scan# 1604  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

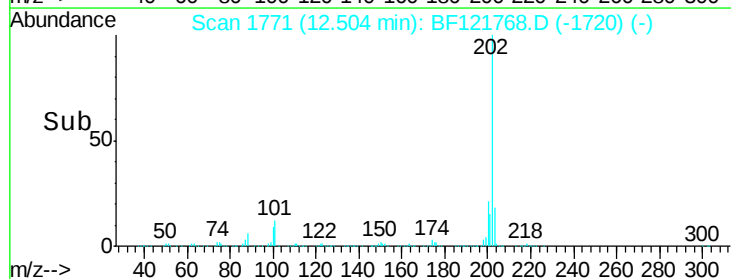
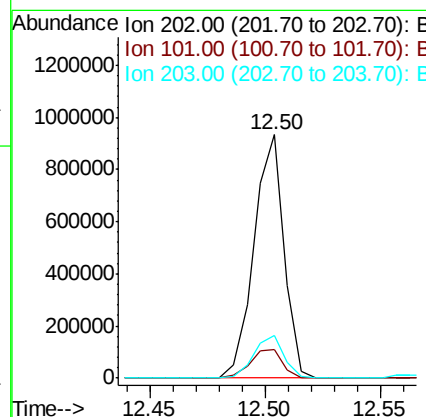
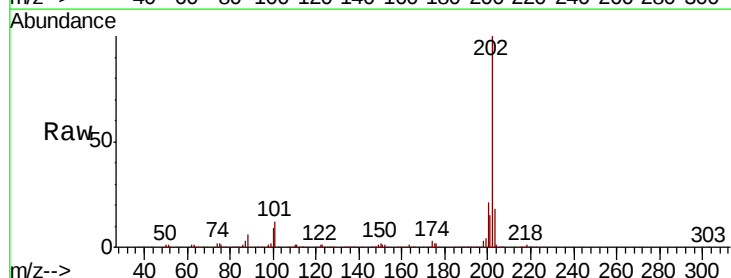
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(7-9)DL

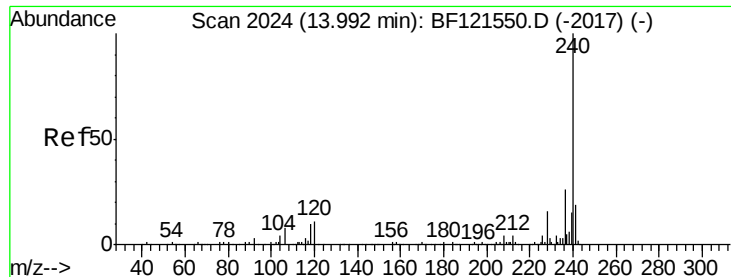
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 21.1  | 17.8  | 26.6  |
| 139     | 12.5  | 10.8  | 16.2  |



#75  
 Fluoranthene  
 Concen: 28.754 ng  
 RT: 12.50 min Scan# 1771  
 Delta R.T. 0.00 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 12.0  | 0.0   | 33.4  |
| 203     | 17.7  | 0.0   | 37.9  |

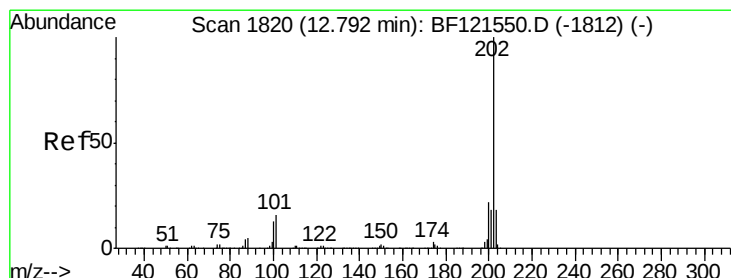
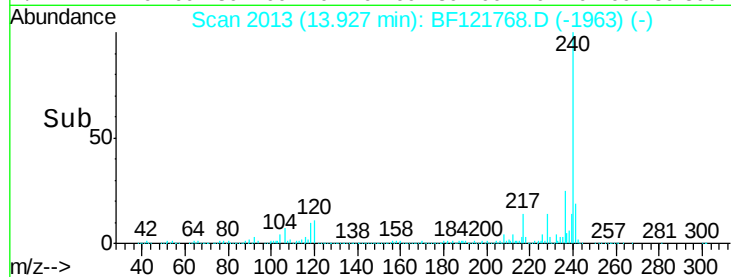
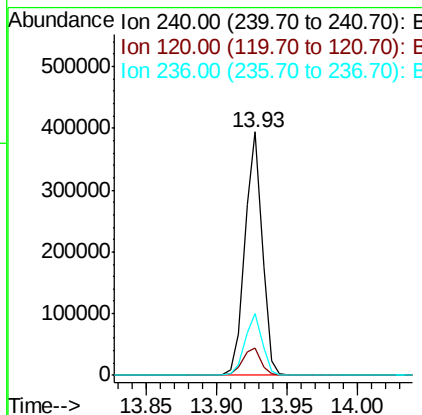
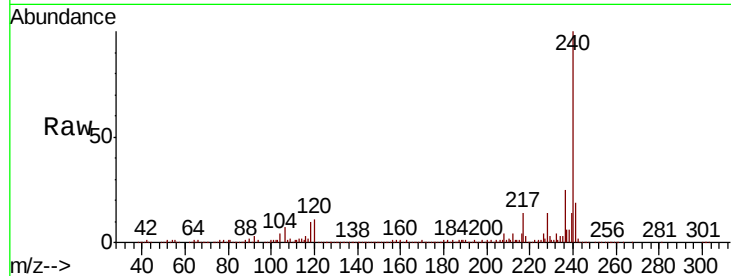




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.93 min Scan# 2013  
Delta R.T. -0.01 min  
Lab File: BF121768.D  
Acq: 1 Oct 2020 15:39

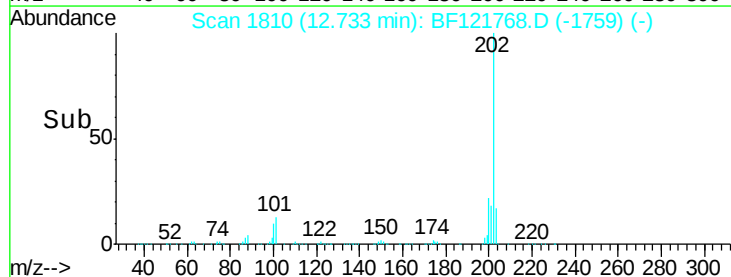
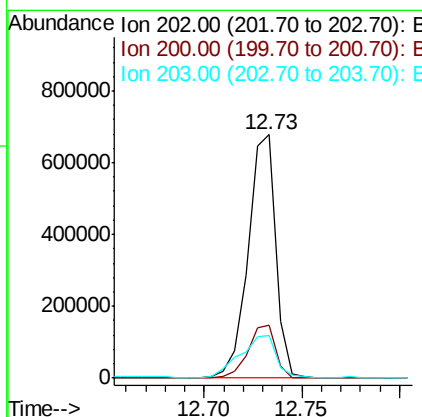
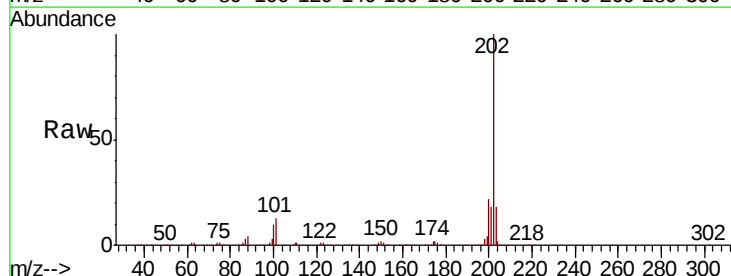
Instrument :  
BNA\_F  
ClientSampleId :  
B-6(7-9)DL

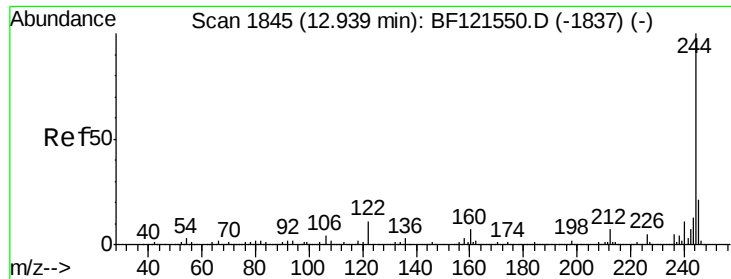
Tot Ion:240 Resp: 337416  
Ion Ratio Lower Upper  
240 100  
120 11.3 9.2 13.8  
236 25.5 20.9 31.3



#78  
Pyrene  
Concen: 26.990 ng  
RT: 12.73 min Scan# 1810  
Delta R.T. 0.00 min  
Lab File: BF121768.D  
Acq: 1 Oct 2020 15:39

Tgt Ion:202 Resp: 665385  
Ion Ratio Lower Upper  
202 100  
200 21.6 17.4 26.2  
203 17.8 14.6 21.8





#79

Terphenyl-d14

Concen: 12.396 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

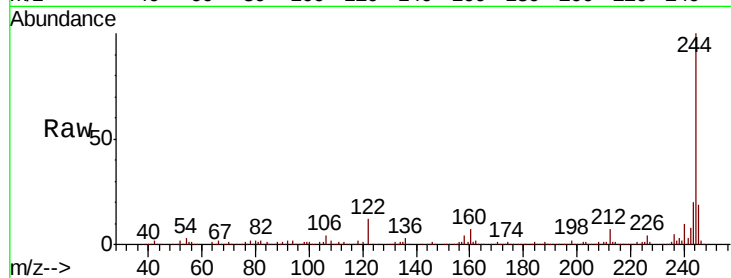
Tot Ion:244 Resp: 206453

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

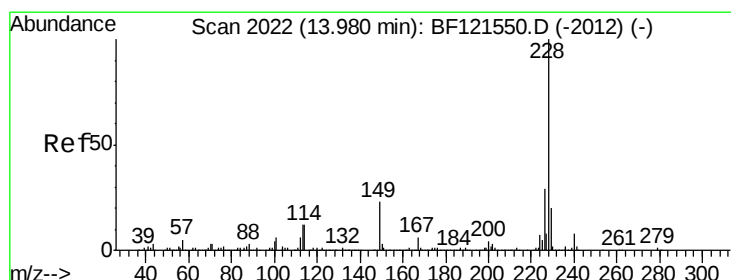
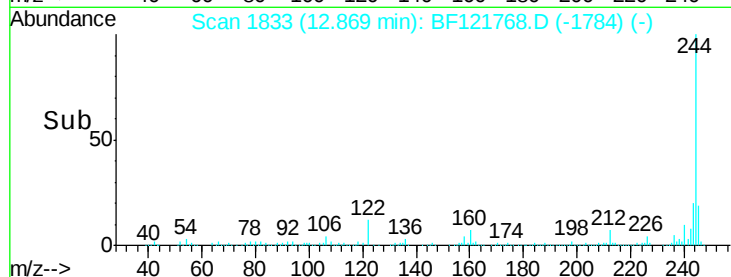
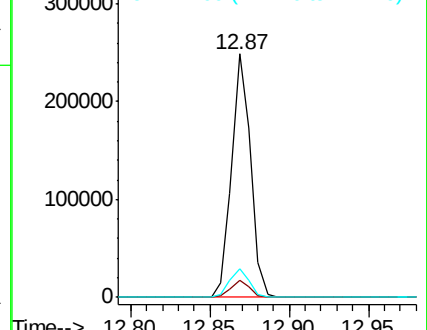
122 11.9 8.1 12.1



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: 16.291 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

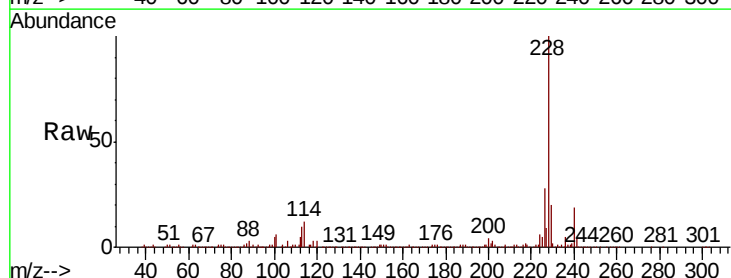
Tgt Ion:228 Resp: 347767

Ion Ratio Lower Upper

228 100

226 28.0 22.3 33.5

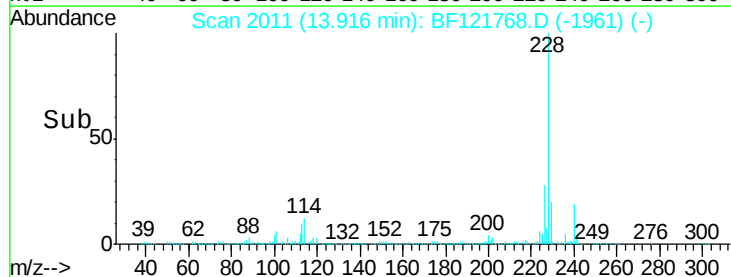
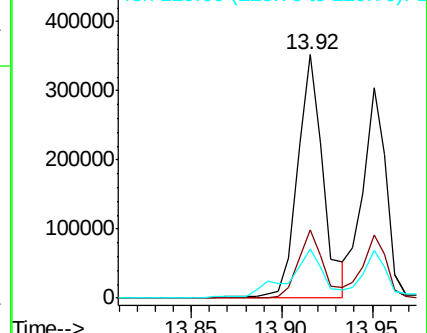
229 19.9 16.2 24.4

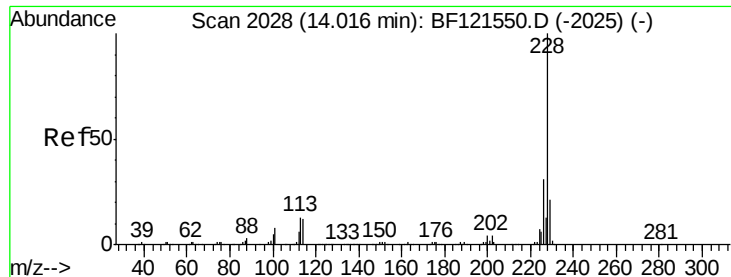


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

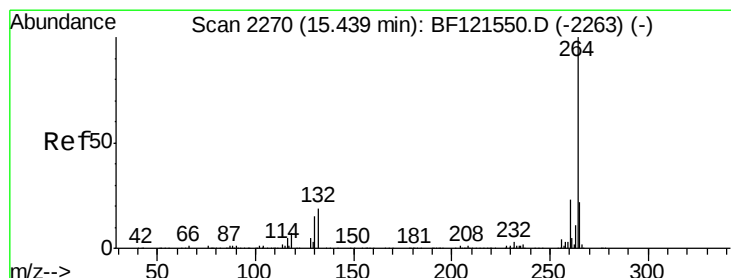
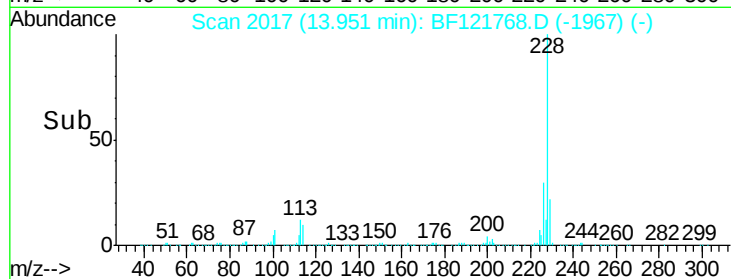
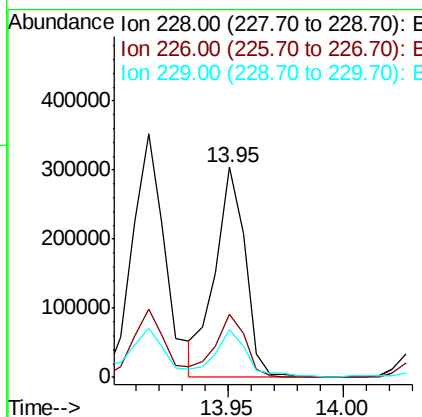
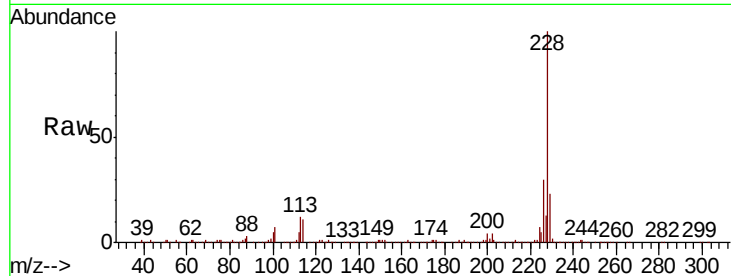




#83  
 Chrysene  
 Concen: 12.656 ng  
 RT: 13.95 min Scan# 2017  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

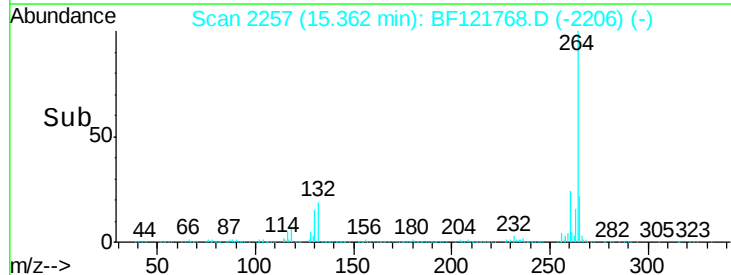
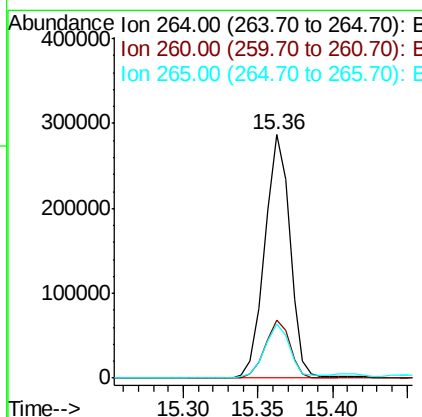
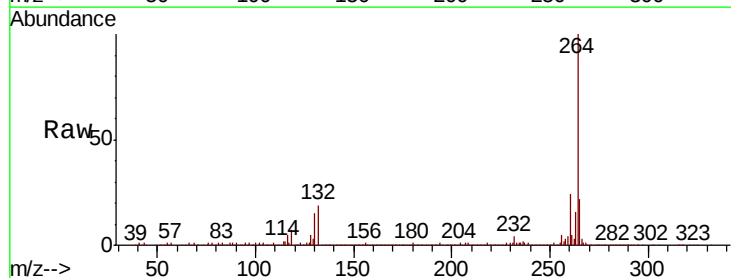
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(7-9)DL

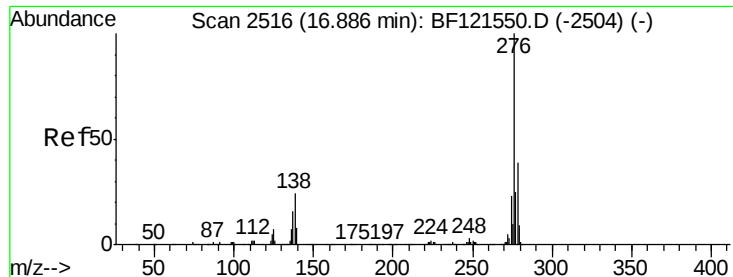
Tot Ion:228 Resp: 273572  
 Ion Ratio Lower Upper  
 228 100  
 226 30.3 24.6 37.0  
 229 22.7 15.9 23.9



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.36 min Scan# 2257  
 Delta R.T. 0.00 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

Tgt Ion:264 Resp: 335184  
 Ion Ratio Lower Upper  
 264 100  
 260 23.9 18.7 28.1  
 265 22.2 17.3 25.9

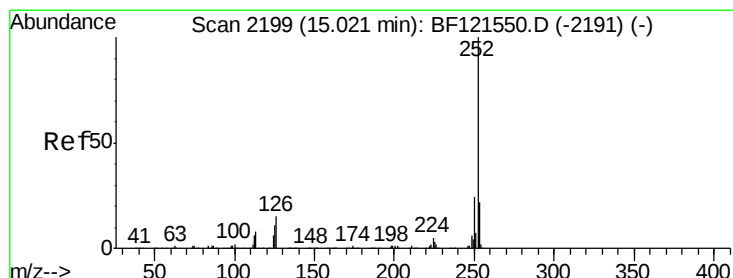
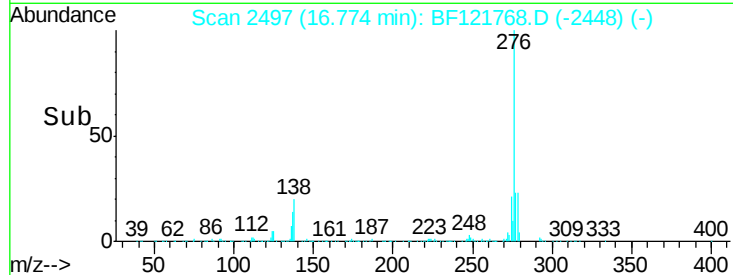
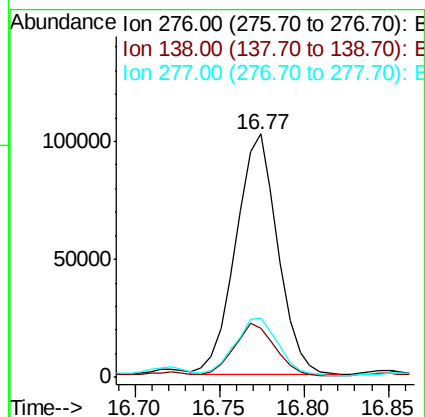
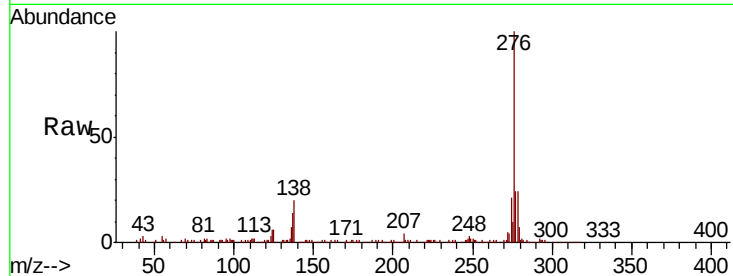




#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 8.053 ng  
 RT: 16.77 min Scan# 2497  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

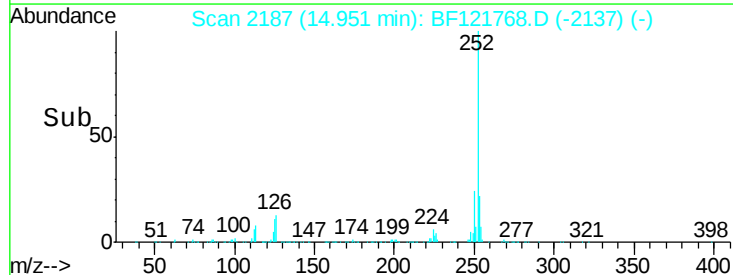
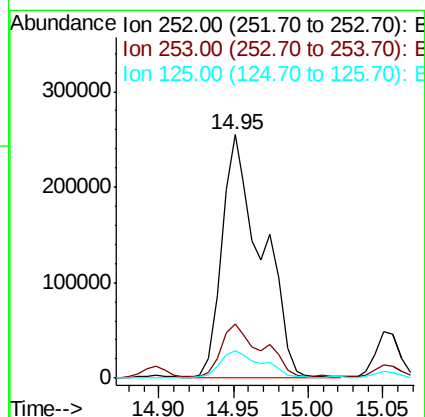
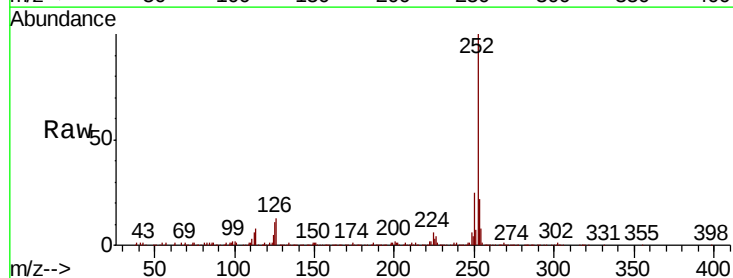
Instrument :  
 BNA\_F  
 ClientSampleId :  
 B-6(7-9)DL

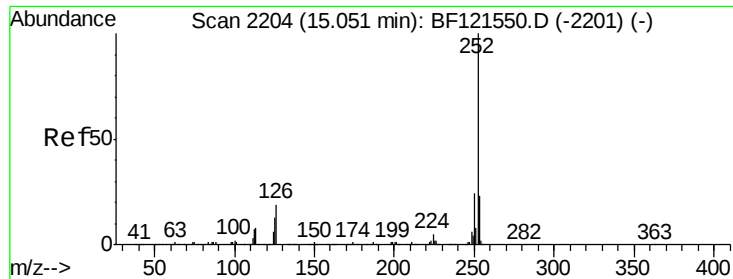
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 21.9  | 19.9  | 29.9  |
| 277     | 24.6  | 20.4  | 30.6  |



#88  
 Benzo(b)fluoranthene  
 Concen: 20.918 ng  
 RT: 14.95 min Scan# 2187  
 Delta R.T. -0.01 min  
 Lab File: BF121768.D  
 Acq: 1 Oct 2020 15:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.2  | 27.2  |
| 125     | 11.4  | 8.0   | 12.0  |

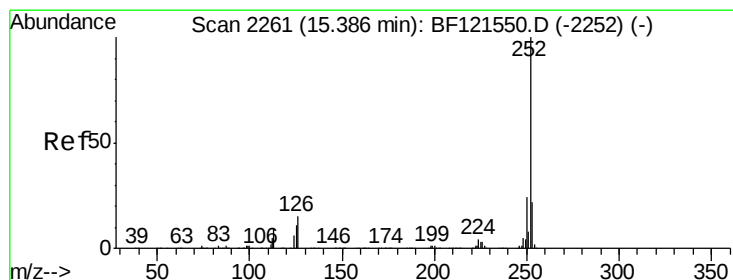
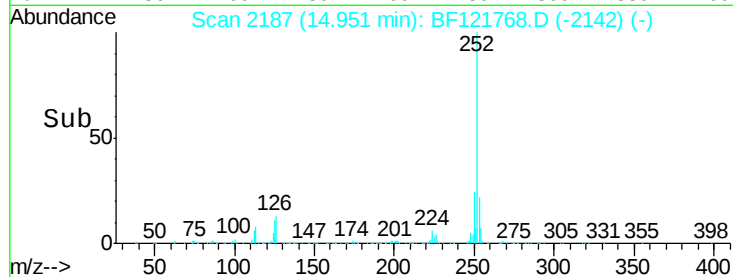
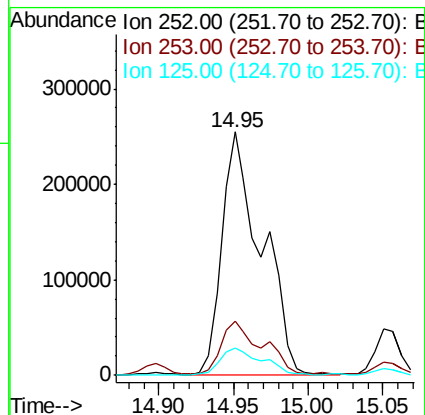
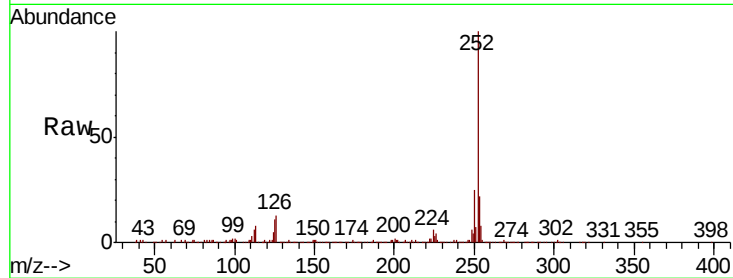




#89  
Benzo(k)fluoranthene  
Concen: 22.843 ng  
RT: 14.95 min Scan# 2187  
Delta R.T. -0.04 min  
Lab File: BF121768.D  
Acq: 1 Oct 2020 15:39

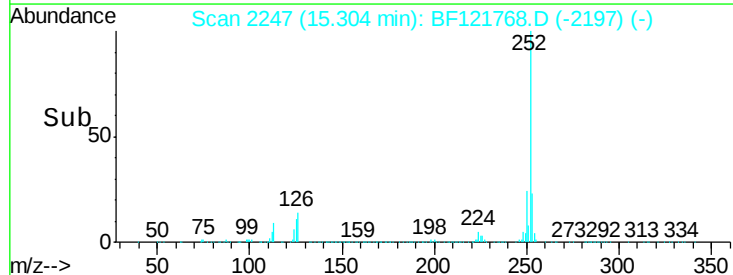
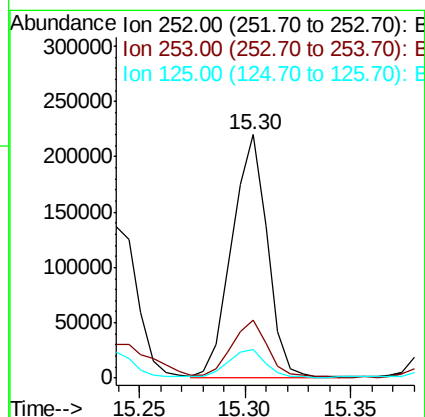
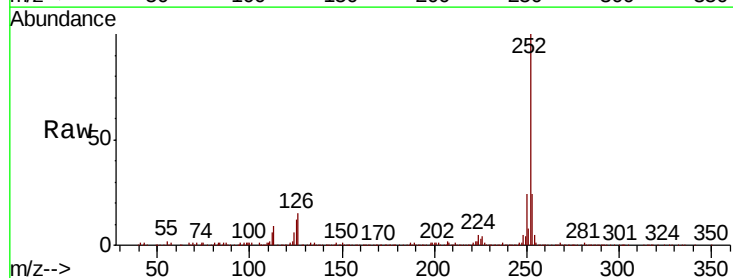
Instrument :  
BNA\_F  
ClientSampleId :  
B-6(7-9)DL

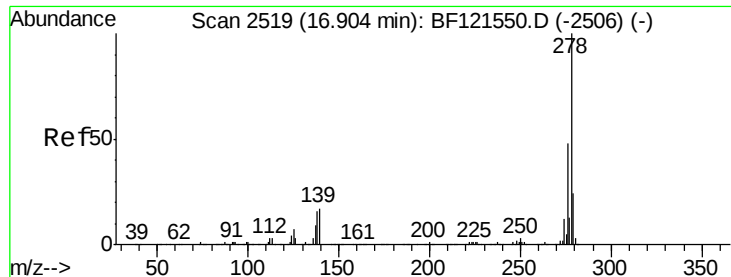
Tot Ion:252 Resp: 468723  
Ion Ratio Lower Upper  
252 100  
253 22.2 17.8 26.6  
125 11.4 7.7 11.5



#90  
Benzo(a)pyrene  
Concen: 13.297 ng  
RT: 15.30 min Scan# 2247  
Delta R.T. -0.01 min  
Lab File: BF121768.D  
Acq: 1 Oct 2020 15:39

Tgt Ion:252 Resp: 253264  
Ion Ratio Lower Upper  
252 100  
253 23.8 17.3 25.9  
125 11.6 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 2.769 ng

RT: 16.78 min Scan# 2498

Delta R.T. -0.02 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

Instrument :

BNA\_F

ClientSampleId :

B-6(7-9)DL

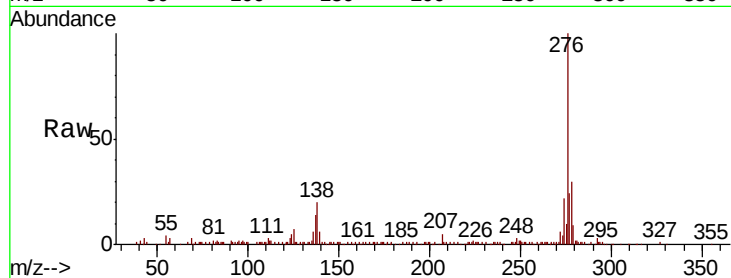
Tot Ion:278 Resp: 50320

Ion Ratio Lower Upper

278 100

139 19.2 13.0 19.4

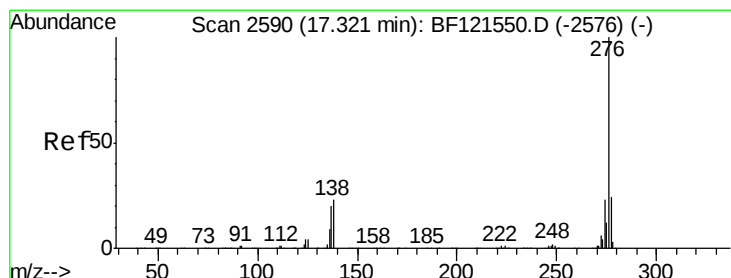
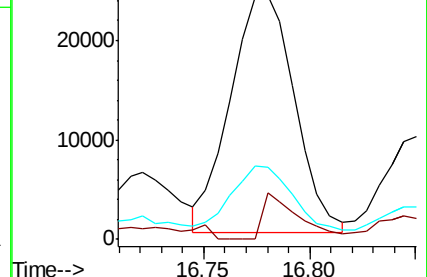
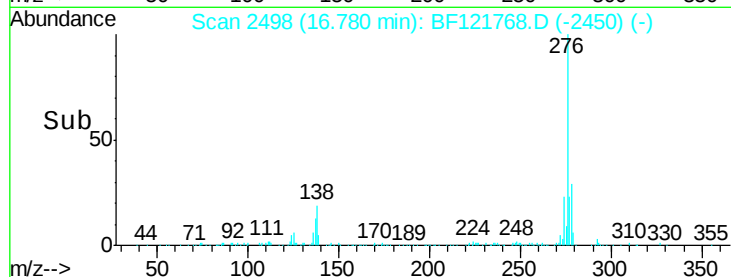
279 29.8 19.0 28.4#



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(g,h,i)perylene

Concen: 9.107 ng

RT: 17.20 min Scan# 2569

Delta R.T. -0.01 min

Lab File: BF121768.D

Acq: 1 Oct 2020 15:39

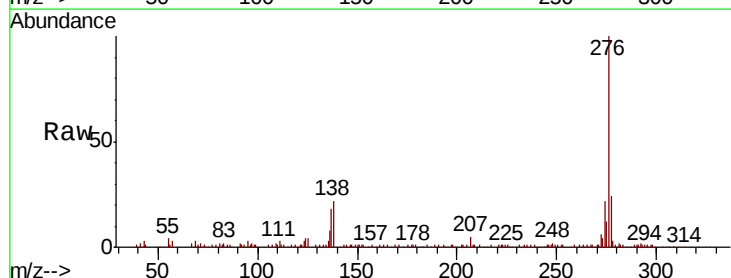
Tgt Ion:276 Resp: 162658

Ion Ratio Lower Upper

276 100

277 24.2 19.4 29.2

138 22.0 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

