

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\  
 Data File : BF120040.D  
 Acq On : 16 Apr 2020 17:04  
 Operator : MA/SJ  
 Sample : L2230-63 5X  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-25-31-39

Quant Time: Apr 17 01:24:28 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Apr 16 10:48:04 2020  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 128685   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.01  | 136  | 487192   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.76  | 164  | 221156   | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 11.25 | 188  | 333957   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 13.89 | 240  | 266205   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 15.32 | 264  | 231190   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.32  | 112  | 195506   | 26.26 | ng    | 0.00     |
| 7) Phenol-d6                | 6.36  | 99   | 245715   | 25.61 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.29  | 82   | 146612   | 15.57 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.55 | 330  | 43757    | 16.16 | ng    | -0.01    |
| 45) 2-Fluorobiphenyl        | 9.09  | 172  | 288456   | 18.52 | ng    | 0.00     |
| 79) Terphenyl-d14           | 12.84 | 244  | 245897   | 15.54 | ng    | -0.01    |

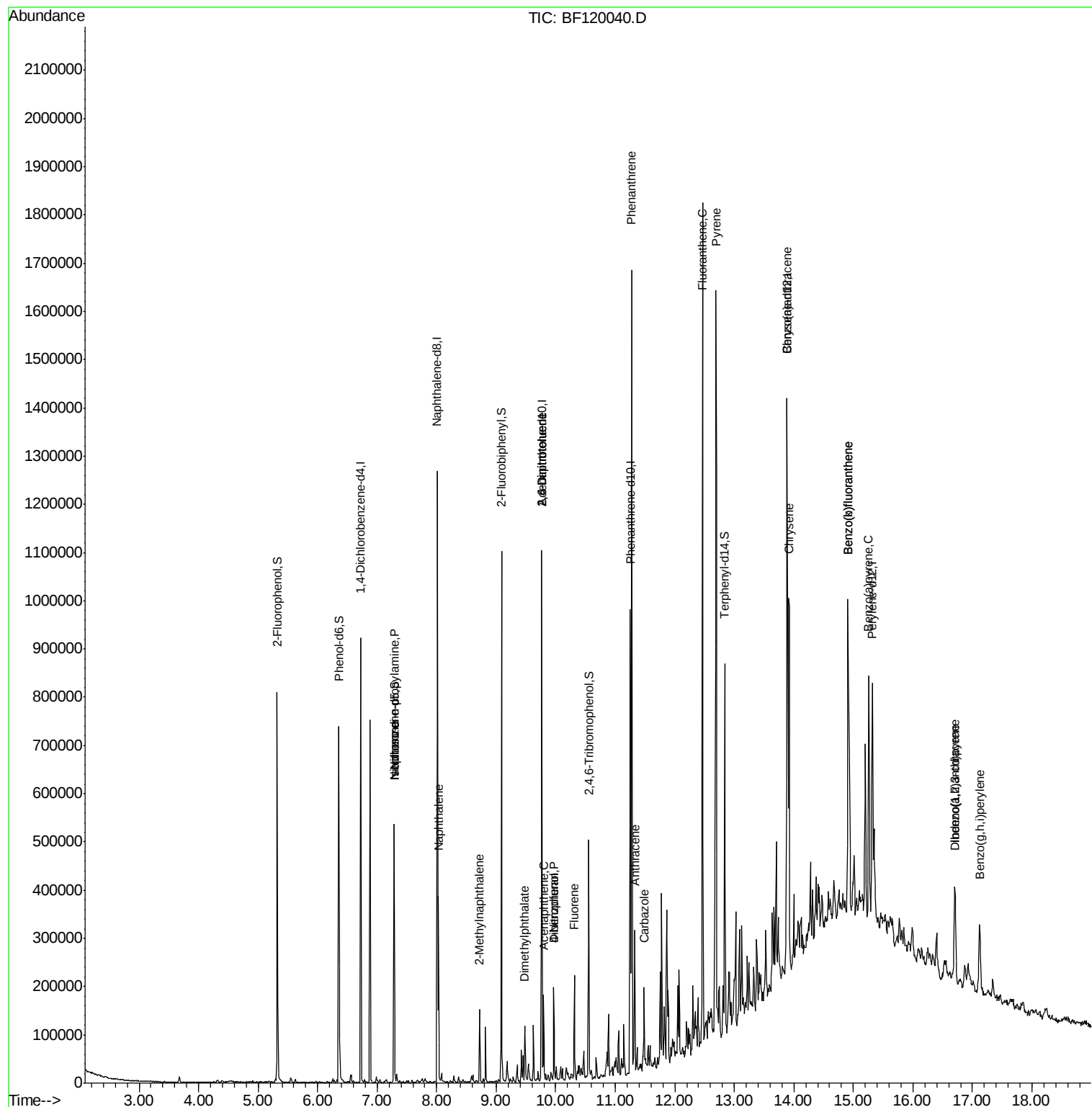
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 9) Benzaldehyde                | 6.27  | 77   | 667      | Below Cal |       | # 1    |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70   | 18600    | 3.015     | ng    | # 78   |
| 25) Isophorone                 | 7.29  | 82   | 145742   | 8.028     | ng    | # 65   |
| 31) Naphthalene                | 8.03  | 128  | 164501   | 6.418     | ng    | # 98   |
| 37) 2-Methylnaphthalene        | 8.72  | 142  | 36062    | 2.075     | ng    | # 99   |
| 50) Dimethylphthalate          | 9.48  | 163  | 40713    | 2.380     | ng    | # 98   |
| 51) 2,6-Dinitrotoluene         | 9.76  | 165  | 29656    | 7.917     | ng    | # 19   |
| 52) Acenaphthene               | 9.80  | 154  | 33031    | 2.264     | ng    | # 99   |
| 55) Dibenzofuran               | 9.97  | 168  | 59489    | 2.972     | ng    | # 98   |
| 56) 4-Nitrophenol              | 9.97  | 139  | 21554    | 6.771     | ng    | # 6    |
| 57) 2,4-Dinitrotoluene         | 9.76  | 165  | 29656    | 6.009     | ng    | # 23   |
| 58) Fluorene                   | 10.31 | 166  | 55827    | 3.487     | ng    | # 99   |
| 71) Phenanthrene               | 11.27 | 178  | 571262   | 32.141    | ng    | # 99   |
| 72) Anthracene                 | 11.33 | 178  | 106755   | 5.880     | ng    | # 98   |
| 73) Carbazole                  | 11.48 | 167  | 61279    | 3.569     | ng    | # 96   |
| 75) Fluoranthene               | 12.47 | 202  | 700531   | 36.529    | ng    | # 97   |
| 78) Pyrene                     | 12.69 | 202  | 637237   | 28.395    | ng    | # 99   |
| 81) Benzo(a)anthracene         | 13.88 | 228  | 347063   | 19.818    | ng    | # 98   |
| 83) Chrysene                   | 13.92 | 228  | 333843   | 18.761    | ng    | # 97   |
| 86) Indeno(1,2,3-cd)pyrene     | 16.70 | 276  | 129071   | 8.229     | ng    | # 98   |
| 88) Benzo(b)fluoranthene       | 14.92 | 252  | 476018   | 28.622    | ng    | # 98   |
| 89) Benzo(k)fluoranthene       | 14.92 | 252  | 476018   | 33.173    | ng    | # 98   |
| 90) Benzo(a)pyrene             | 15.26 | 252  | 244791   | 17.506    | ng    | # 98   |
| 91) Dibenz(a,h)anthracene      | 16.72 | 278  | 33478    | 2.703     | ng    | # 89   |
| 92) Benzo(g,h,i)perylene       | 17.12 | 276  | 115359   | 9.435     | ng    | # 96   |

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

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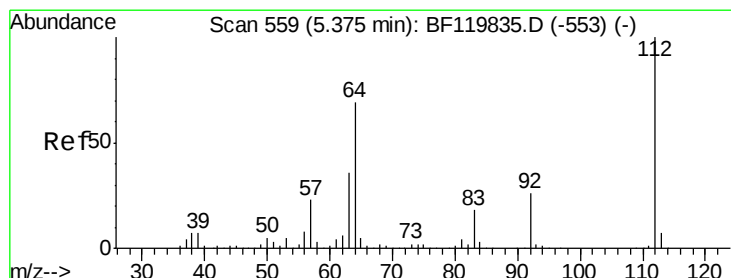
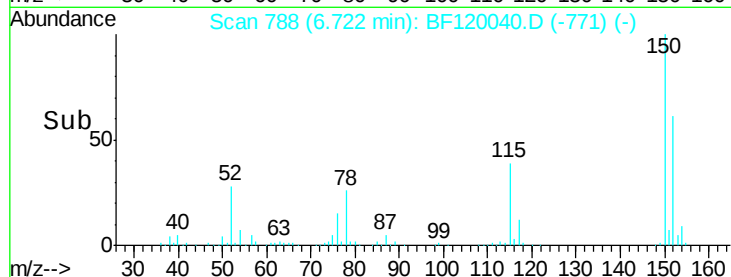
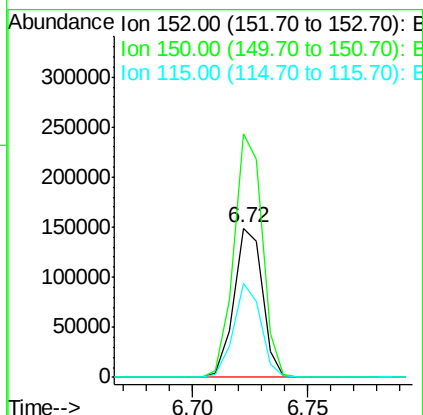
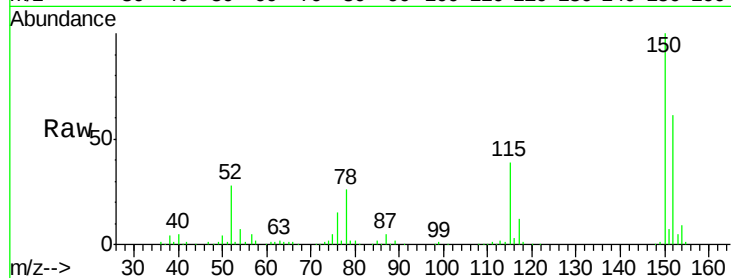


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.72 min Scan# 788  
 Delta R.T. 0.00 min  
 Lab File: BF120040.D  
 Acq: 16 Apr 2020 17:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-25-31-39

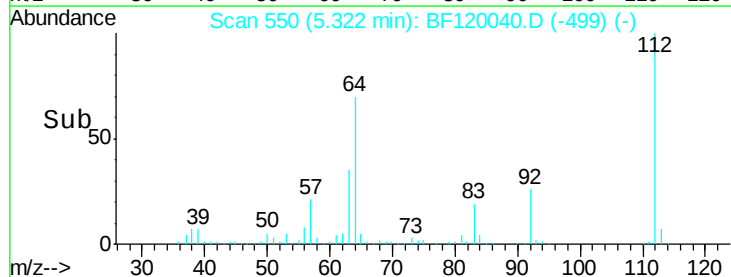
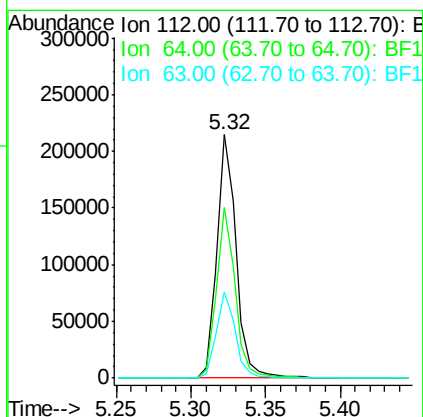
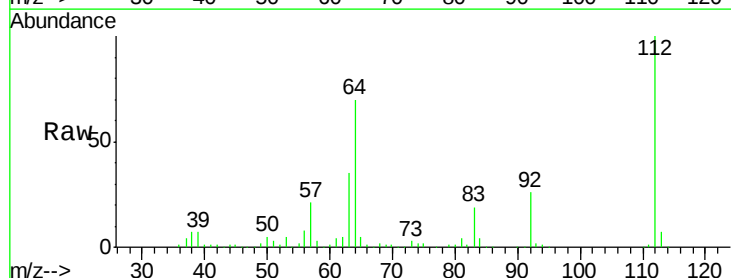
Tot Ion:152 Resp: 128685  
 Ion Ratio Lower Upper  
 152 100  
 150 163.0 124.8 187.2  
 115 62.9 46.5 69.7



#5

2-Fluorophenol  
 Concen: 26.256 ng  
 RT: 5.32 min Scan# 550  
 Delta R.T. 0.00 min  
 Lab File: BF120040.D  
 Acq: 16 Apr 2020 17:04

Tgt Ion:112 Resp: 195506  
 Ion Ratio Lower Upper  
 112 100  
 64 70.0 55.5 83.3  
 63 35.2 29.1 43.7





#7

Phenol-d6

Concen: 25.609 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

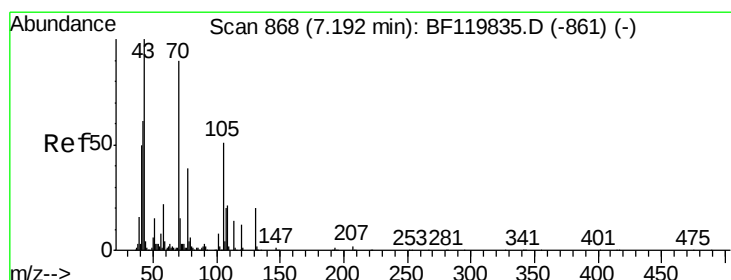
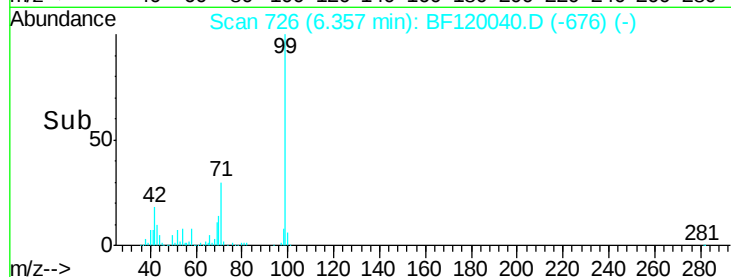
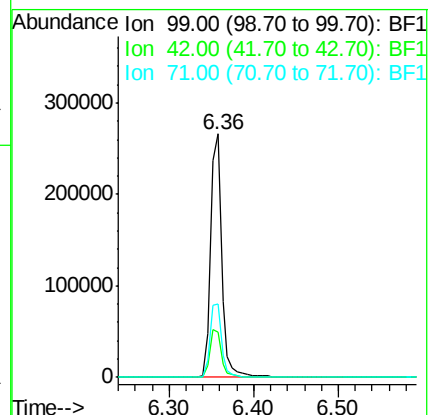
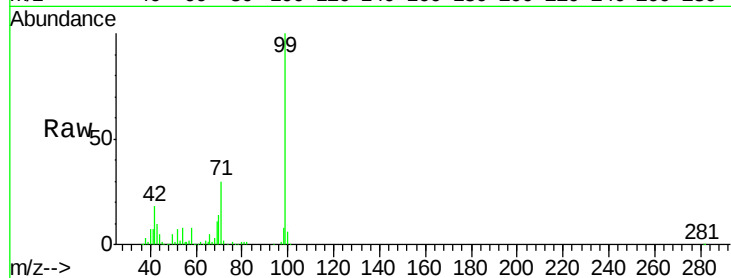
Tot Ion: 99 Resp: 245715

Ion Ratio Lower Upper

99 100

42 18.4 16.9 25.3

71 30.3 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 3.015 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Tgt Ion: 70 Resp: 18600

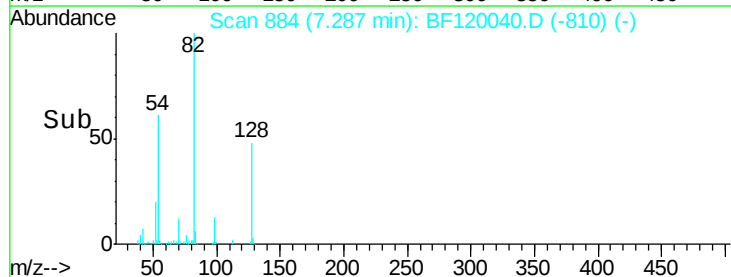
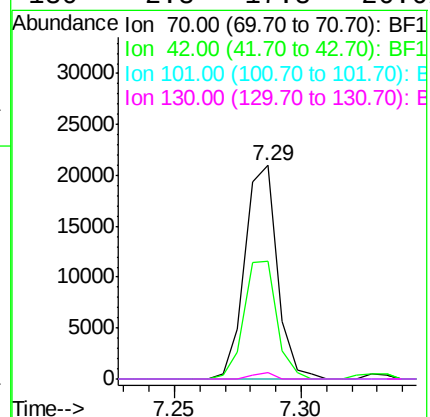
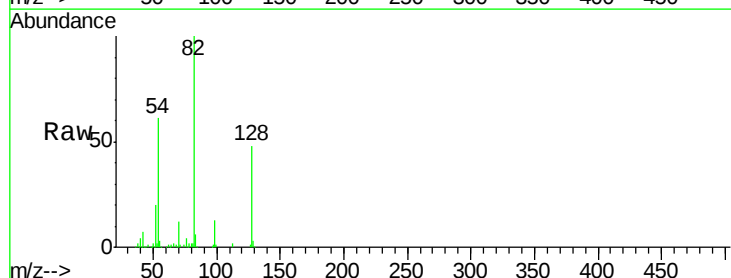
Ion Ratio Lower Upper

70 100

42 55.2 54.2 81.4

101 0.0 7.4 11.2#

130 2.8 17.8 26.6#

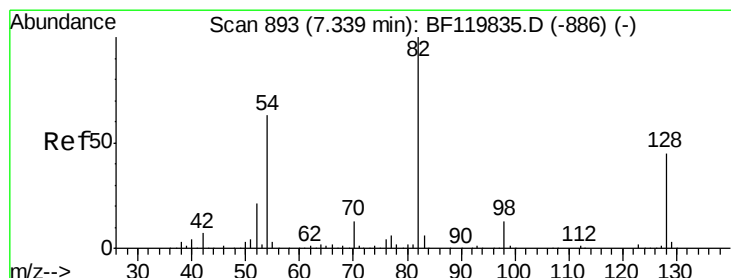
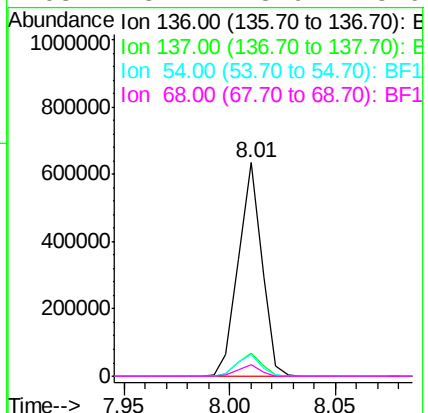
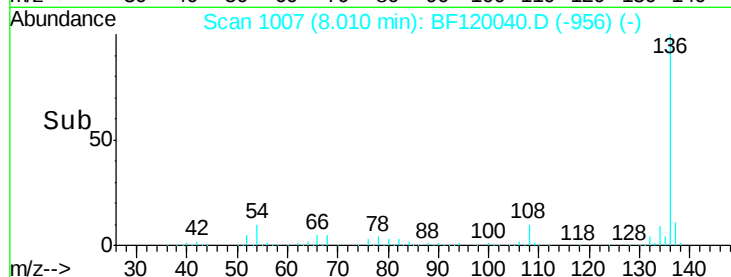
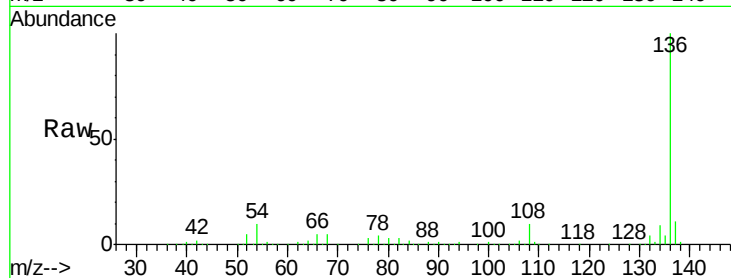




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.01 min Scan# 1007  
Delta R.T. 0.00 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

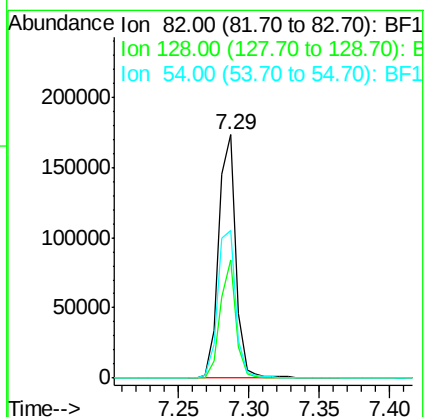
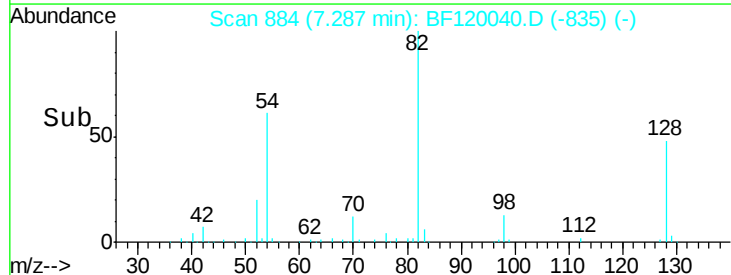
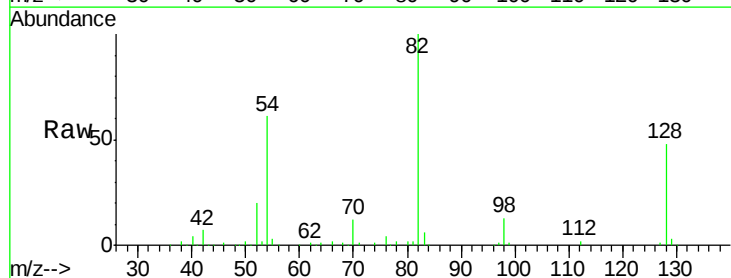
Instrument :  
BNA\_F  
ClientSampleId :  
TP-25-31-39

Tot Ion:136 Resp: 487192  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.7 13.1  
54 10.0 8.5 12.7  
68 5.1 3.9 5.9



#23  
Nitrobenzene-d5  
Concen: 15.568 ng  
RT: 7.29 min Scan# 884  
Delta R.T. -0.01 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

Tgt Ion: 82 Resp: 146612  
Ion Ratio Lower Upper  
82 100  
128 48.3 36.2 54.4  
54 60.9 50.4 75.6





#25

Isophorone

Concen: 8.028 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

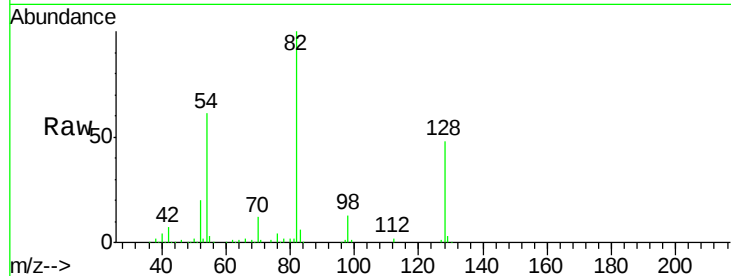
Tot Ion: 82 Resp: 145742

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

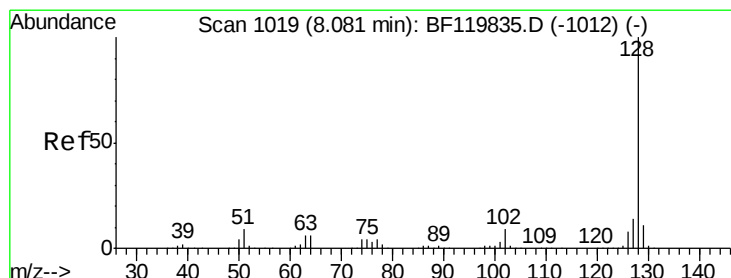
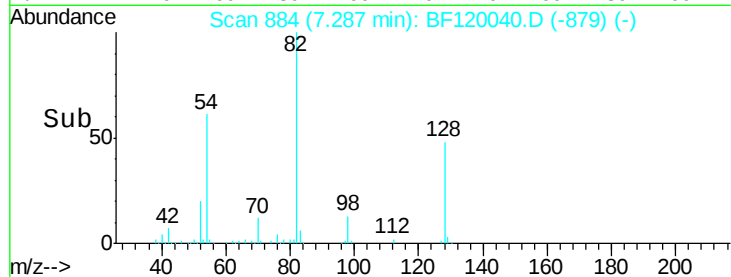
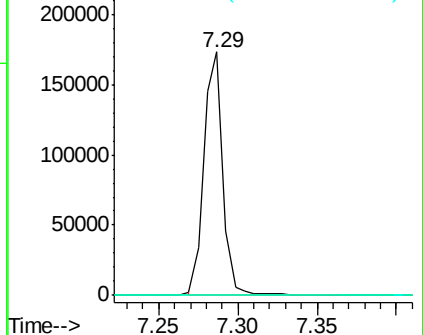
138 0.0 14.5 21.7#



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: 6.418 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

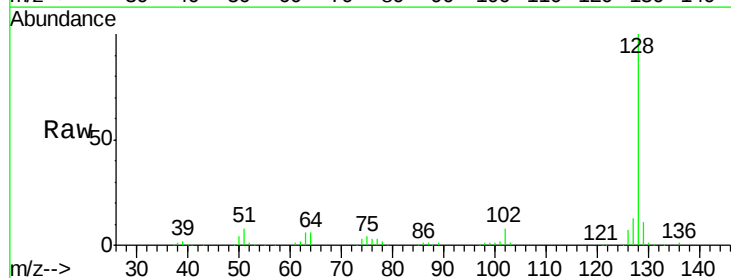
Tgt Ion: 128 Resp: 164501

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

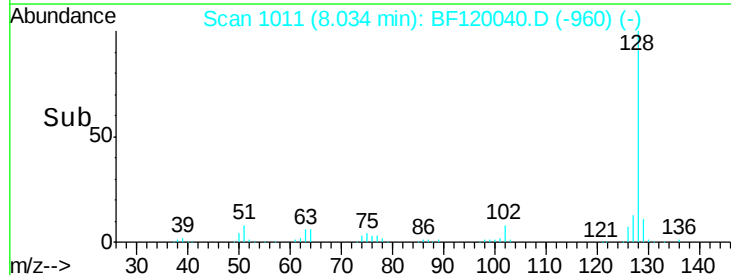
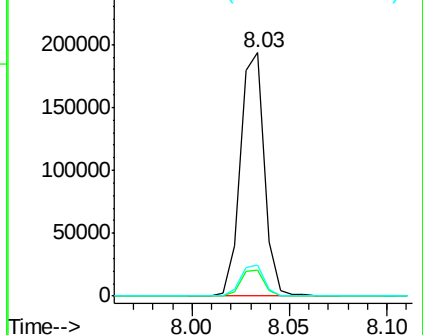
127 12.8 11.0 16.4

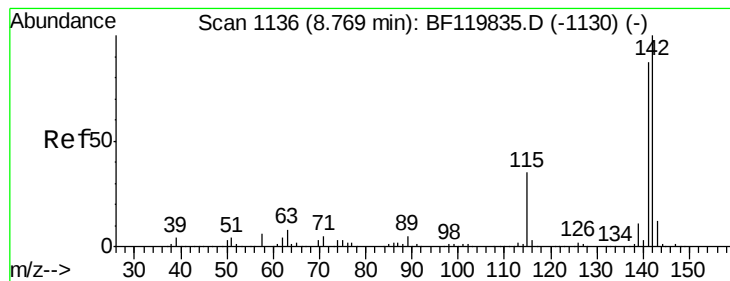


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

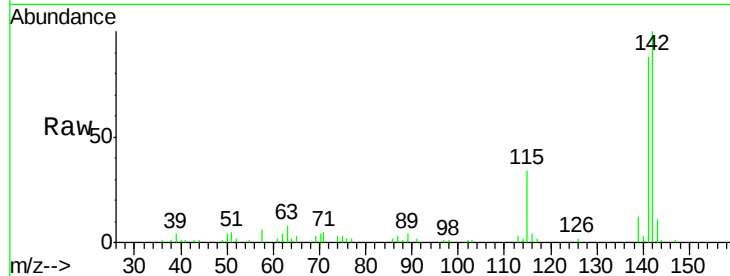




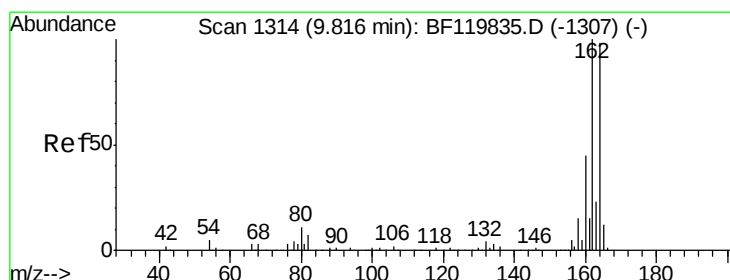
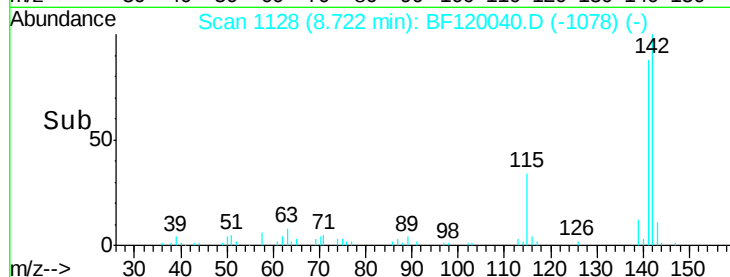
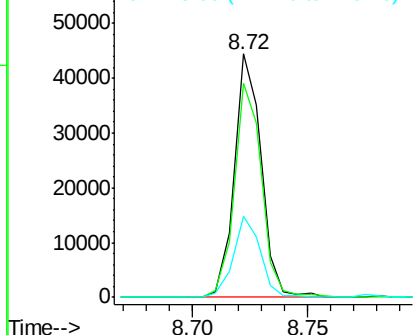
#37  
2-Methylnaphthalene  
Concen: 2.075 ng  
RT: 8.72 min Scan# 1128  
Delta R.T. -0.01 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

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TP-25-31-39

Tot Ion:142 Resp: 36062  
Ion Ratio Lower Upper  
142 100  
141 88.1 69.9 104.9  
115 33.5 28.0 42.0

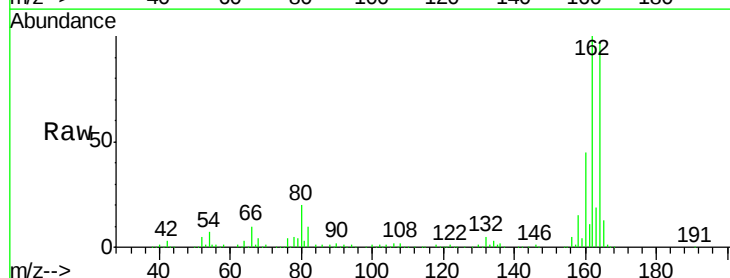


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E

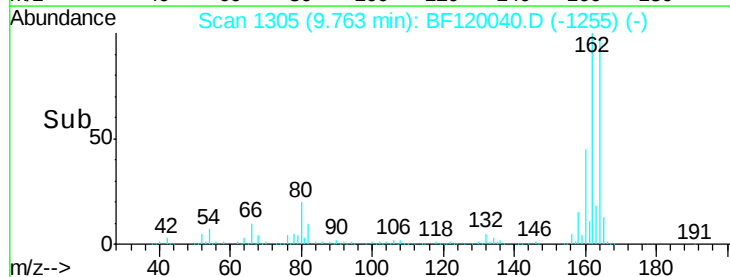
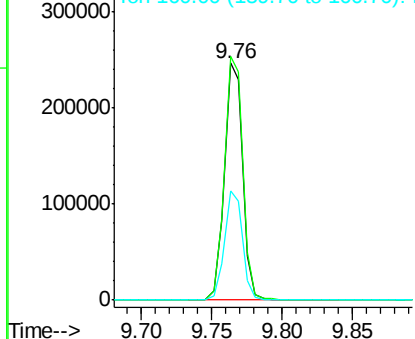


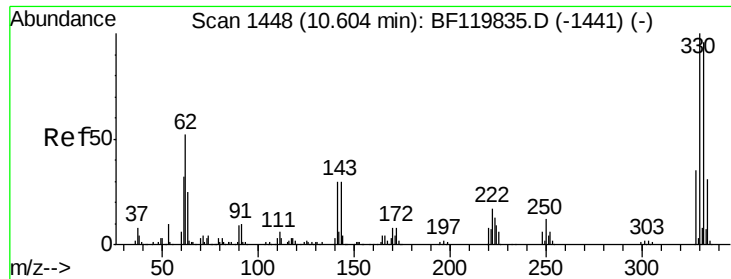
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.01 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

Tgt Ion:164 Resp: 221156  
Ion Ratio Lower Upper  
164 100  
162 102.7 81.9 122.9  
160 45.9 36.6 54.8



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

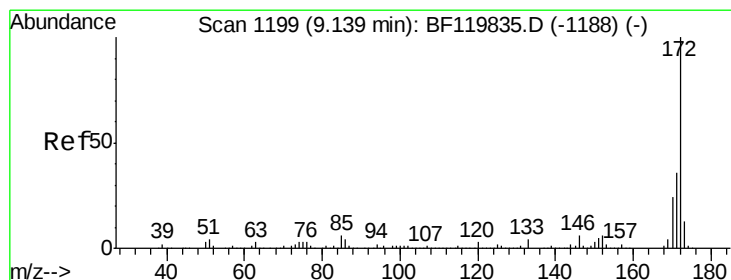
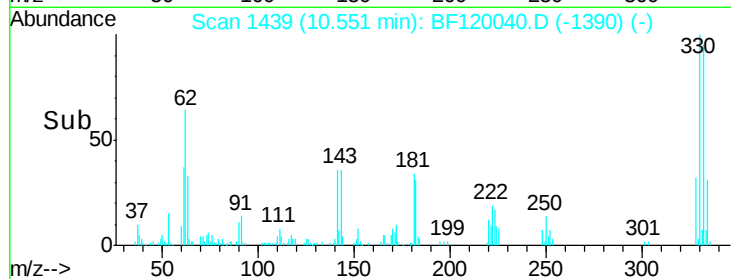
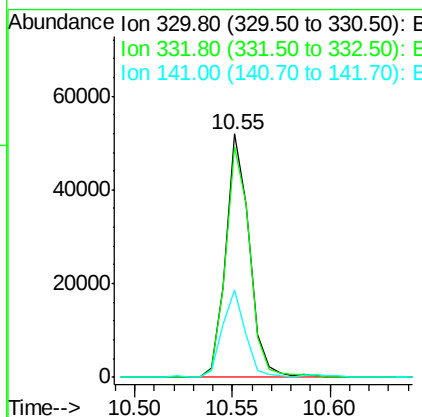
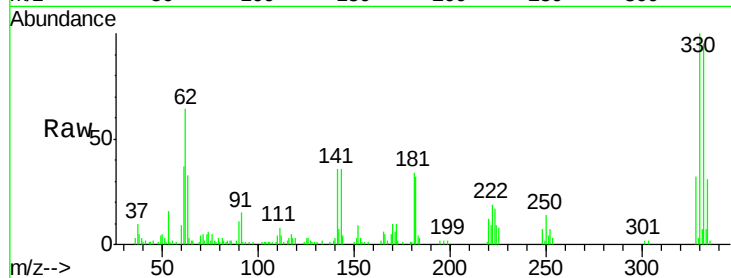




#42  
 2,4,6-Tribromophenol  
 Concen: 16.160 ng  
 RT: 10.55 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF120040.D  
 Acq: 16 Apr 2020 17:04

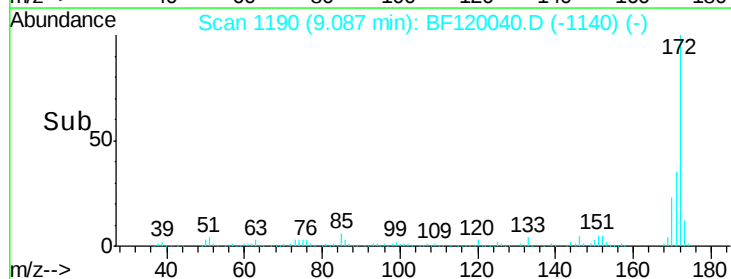
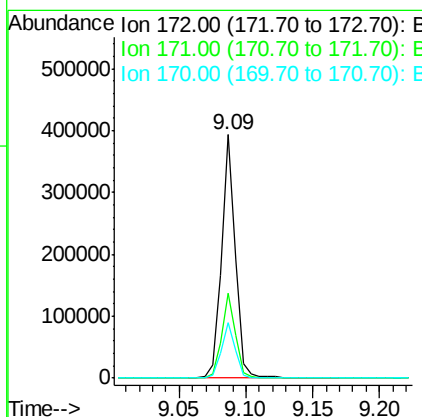
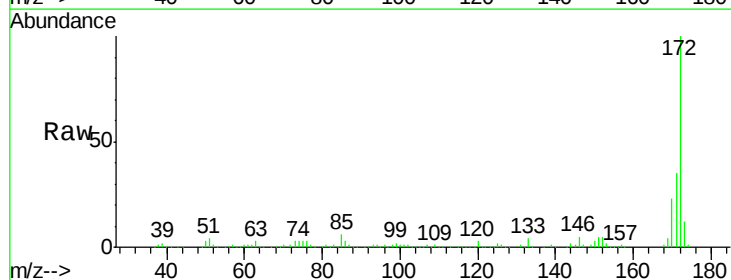
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-25-31-39

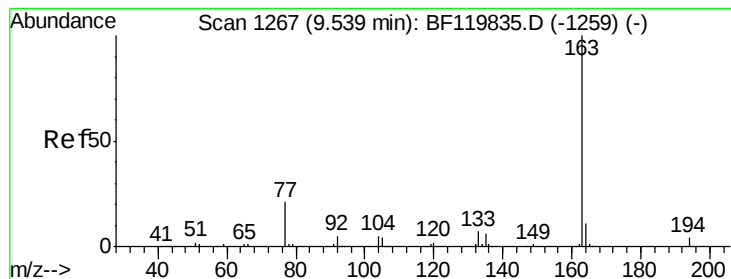
Tot Ion:330 Resp: 43757  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 76.8 115.2  
 141 35.2 25.1 37.7



#45  
 2-Fluorobiphenyl  
 Concen: 18.518 ng  
 RT: 9.09 min Scan# 1190  
 Delta R.T. -0.01 min  
 Lab File: BF120040.D  
 Acq: 16 Apr 2020 17:04

Tgt Ion:172 Resp: 288456  
 Ion Ratio Lower Upper  
 172 100  
 171 34.7 28.9 43.3  
 170 23.0 19.4 29.2





#50

Dimethylphthalate

Concen: 2.380 ng

RT: 9.48 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

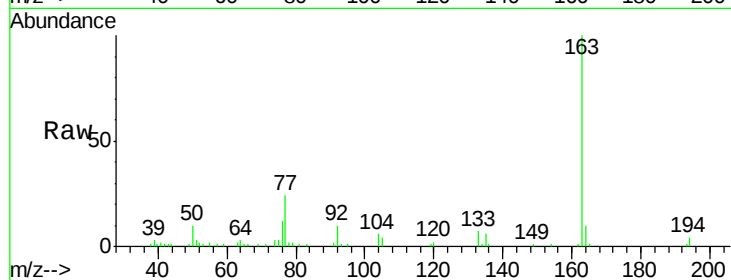
Tot Ion:163 Resp: 40713

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

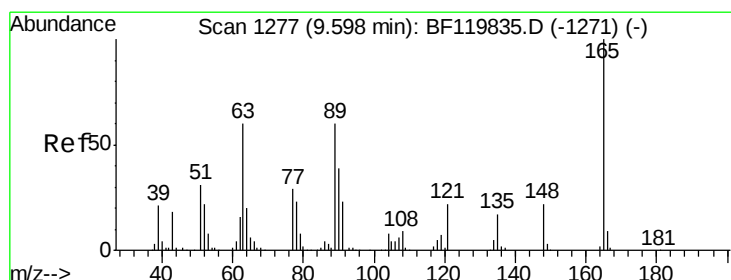
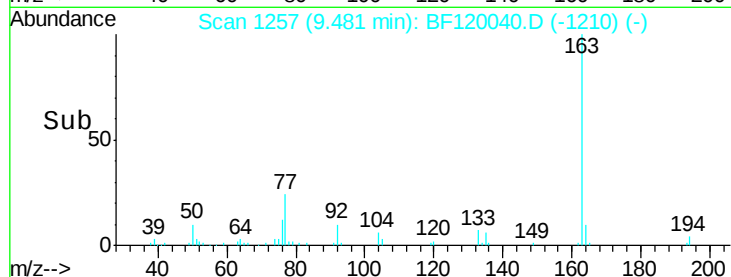
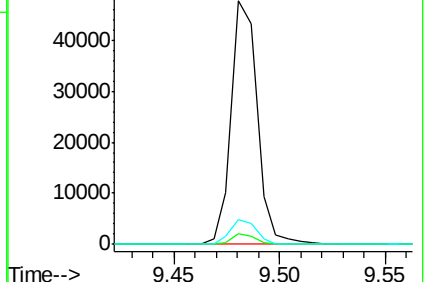
164 9.9 8.4 12.6



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: 7.917 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.20 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

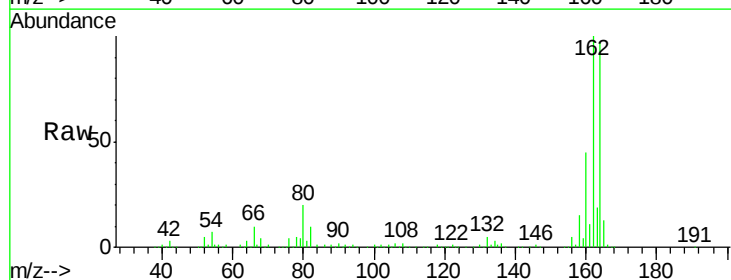
Tgt Ion:165 Resp: 29656

Ion Ratio Lower Upper

165 100

63 1.2 55.6 83.4#

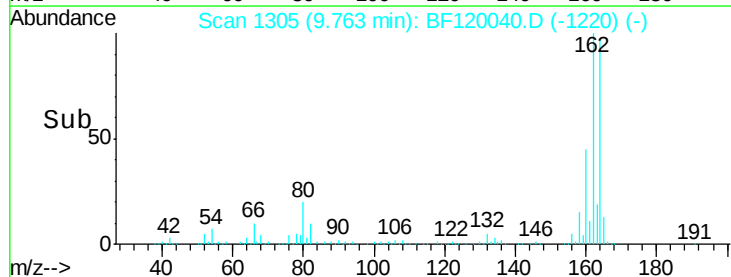
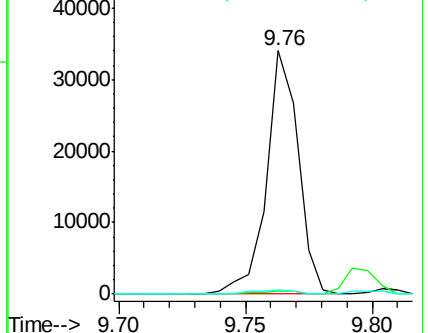
89 1.5 47.9 71.9#

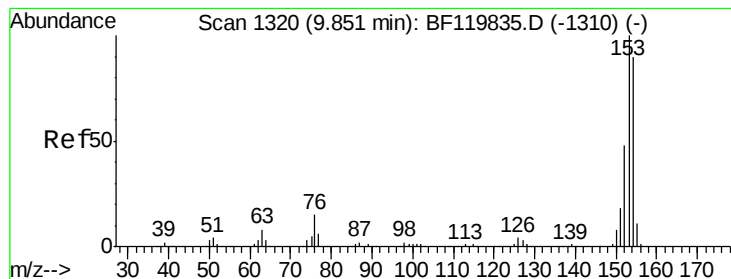


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#52

Acenaphthene

Concen: 2.264 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

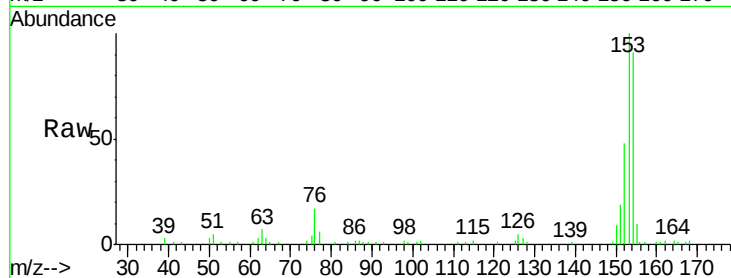
Tot Ion:154 Resp: 33031

Ion Ratio Lower Upper

154 100

153 110.2 88.8 133.2

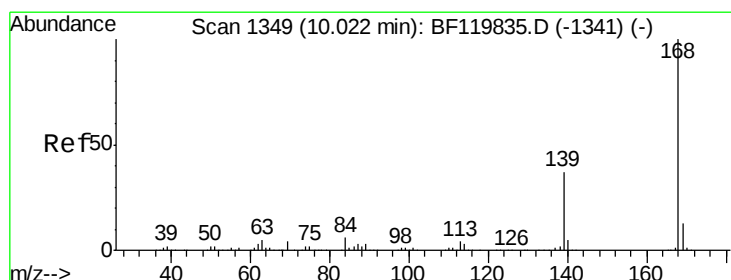
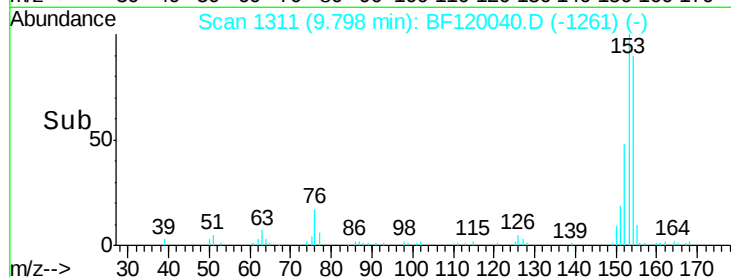
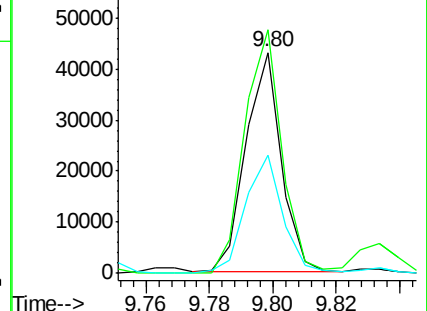
152 53.2 42.4 63.6



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: 2.972 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

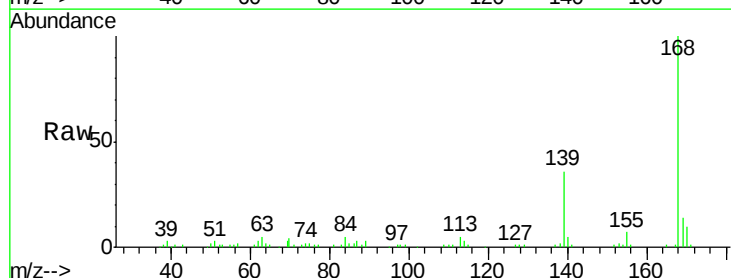
Tgt Ion:168 Resp: 59489

Ion Ratio Lower Upper

168 100

139 36.2 29.8 44.6

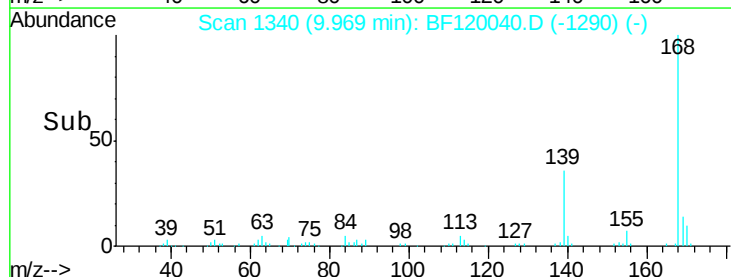
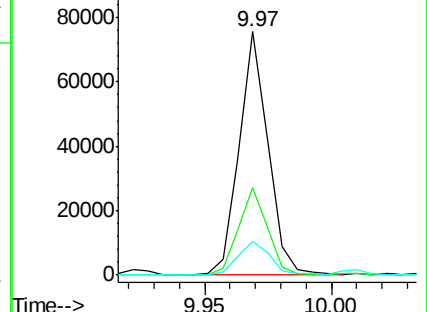
169 14.0 10.6 15.8

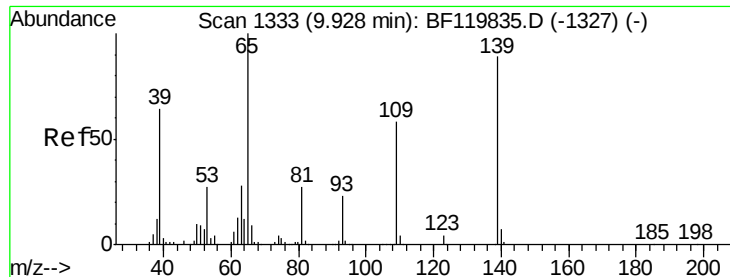


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

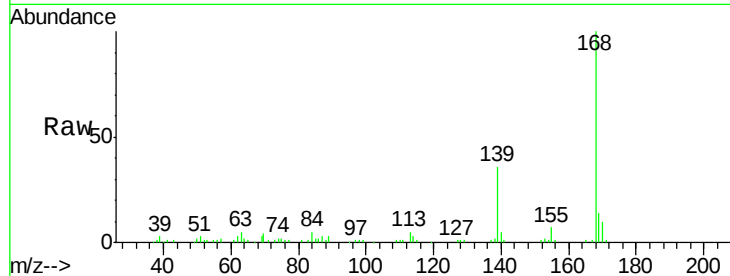




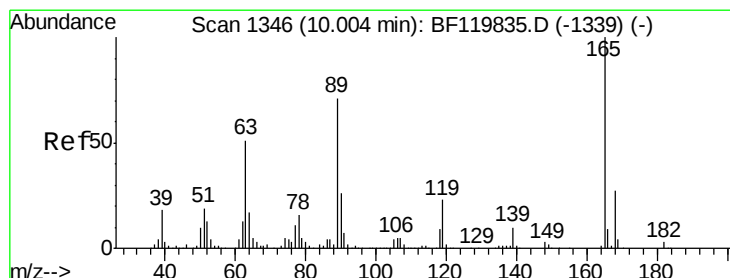
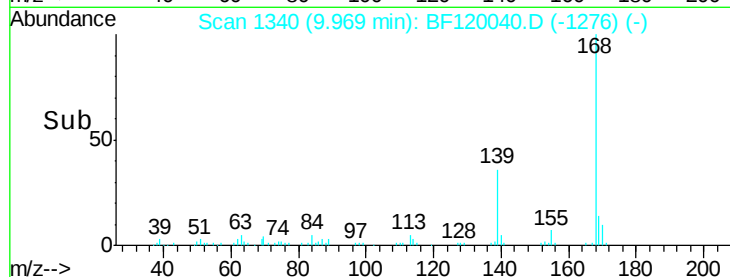
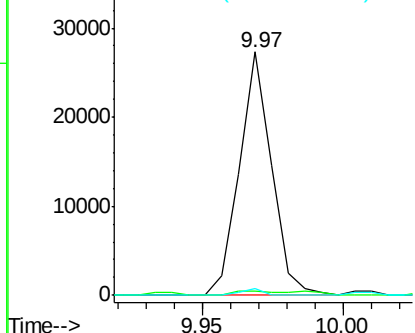
#56  
4-Nitrophenol  
Concen: 6.771 ng  
RT: 9.97 min Scan# 1340  
Delta R.T. 0.08 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

Instrument :  
BNA\_F  
ClientSampleId :  
TP-25-31-39

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 139     | 100   |       |        |
| 109     | 1.6   | 45.5  | 85.5#  |
| 65      | 2.7   | 92.3  | 132.3# |

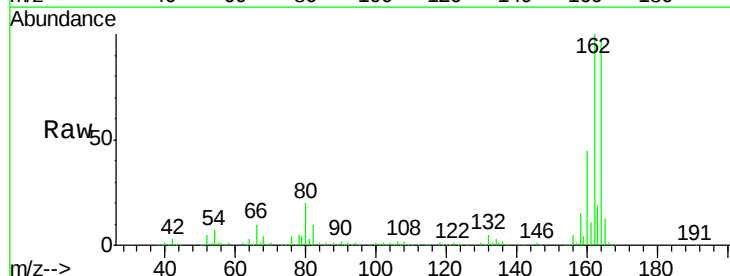


Abundance Ion 139.00 (138.70 to 139.70): E  
Ion 109.00 (108.70 to 109.70): E  
Ion 65.00 (64.70 to 65.70): BF1

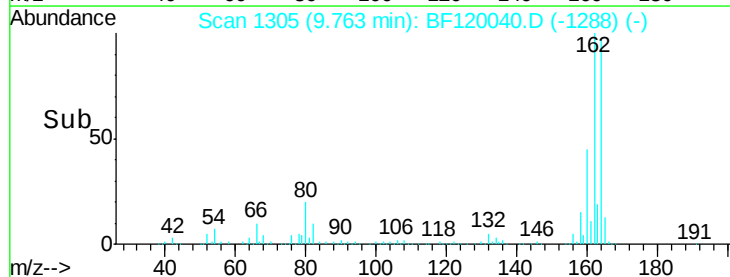
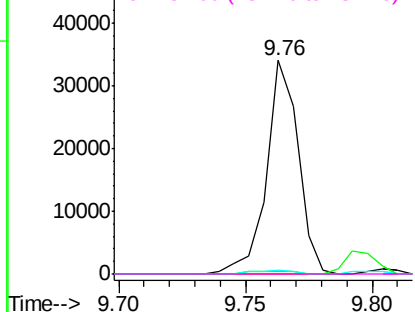


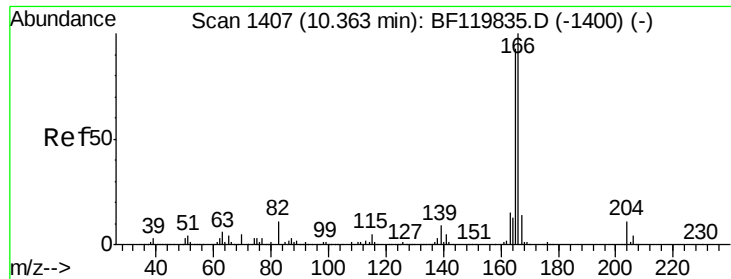
#57  
2,4-Dinitrotoluene  
Concen: 6.009 ng  
RT: 9.76 min Scan# 1305  
Delta R.T. -0.20 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 40.8  | 61.2# |
| 89      | 1.5   | 56.9  | 85.3# |
| 182     | 0.0   | 2.0   | 3.0#  |



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





#58

Fluorene

Concen: 3.487 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

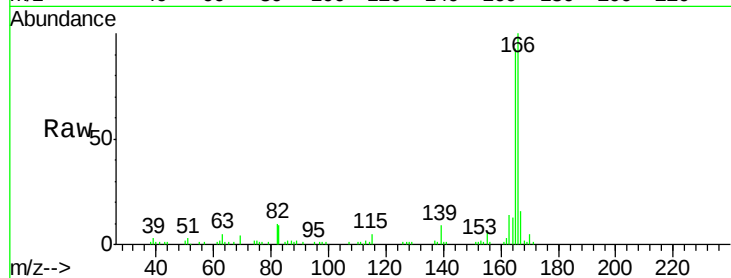
Tot Ion:166 Resp: 55827

Ion Ratio Lower Upper

166 100

165 92.9 74.2 111.2

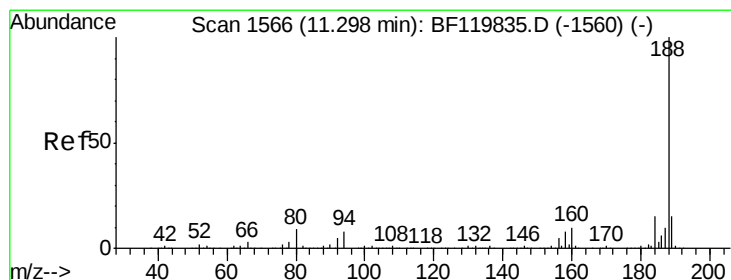
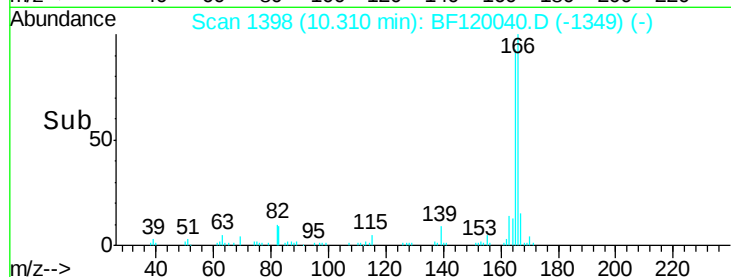
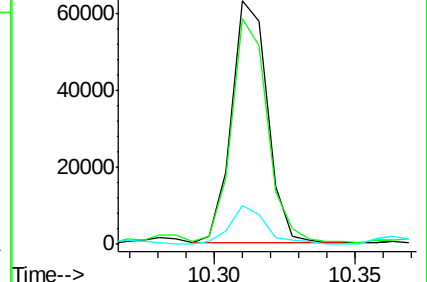
167 16.0 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

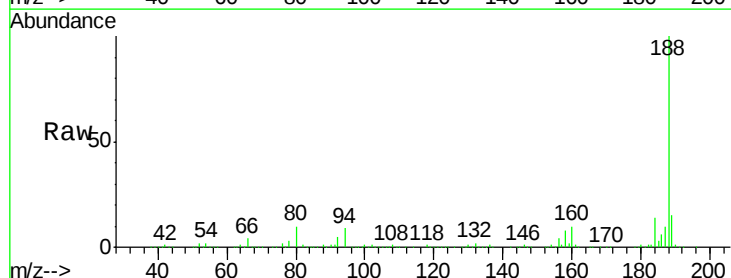
Tgt Ion:188 Resp: 333957

Ion Ratio Lower Upper

188 100

94 8.6 6.7 10.1

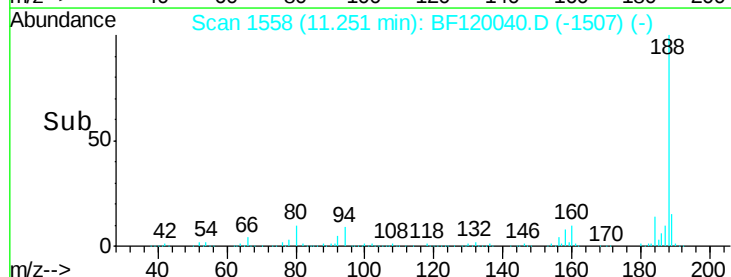
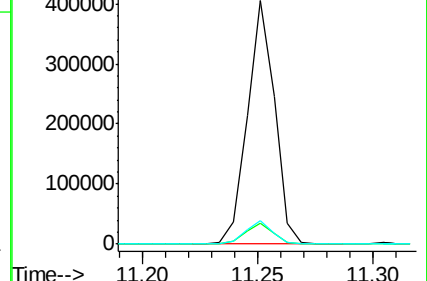
80 9.6 7.4 11.2

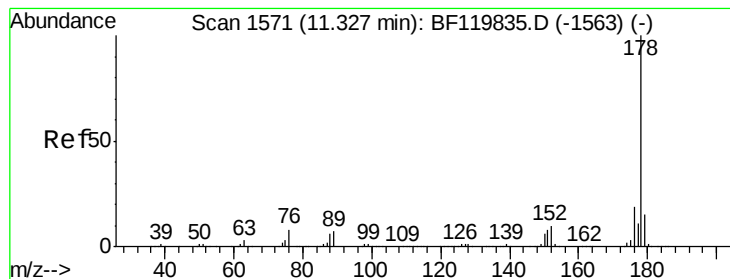


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 32.141 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

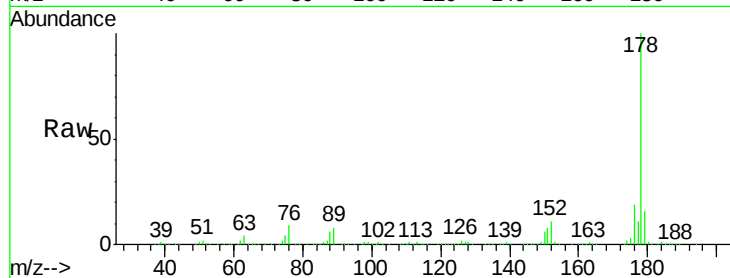
Tot Ion:178 Resp: 571262

Ion Ratio Lower Upper

178 100

176 19.2 15.1 22.7

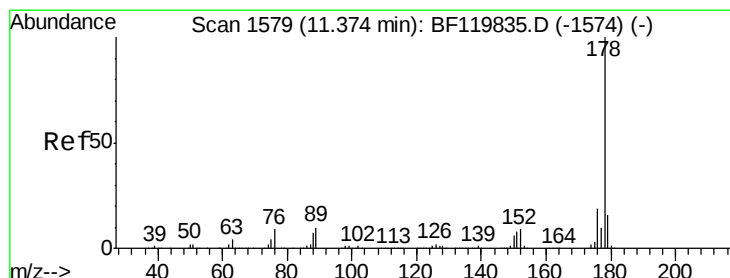
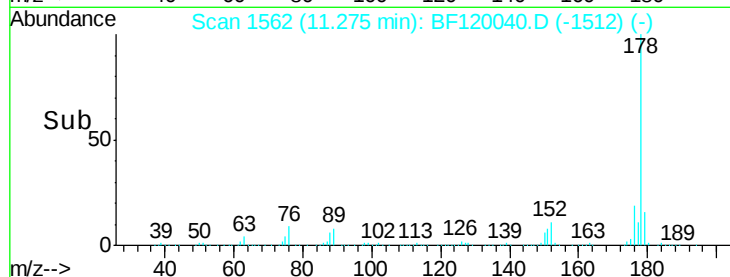
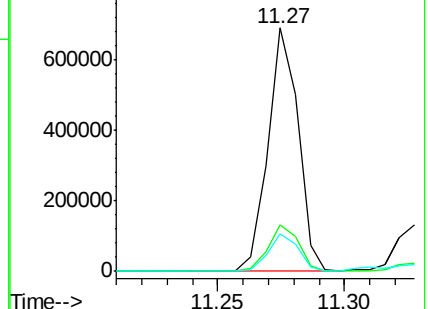
179 15.6 12.2 18.4



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: 5.880 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

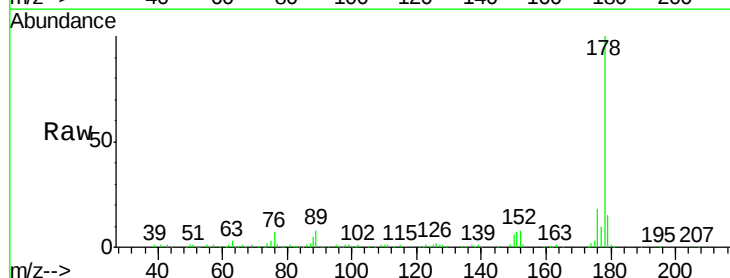
Tgt Ion:178 Resp: 106755

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

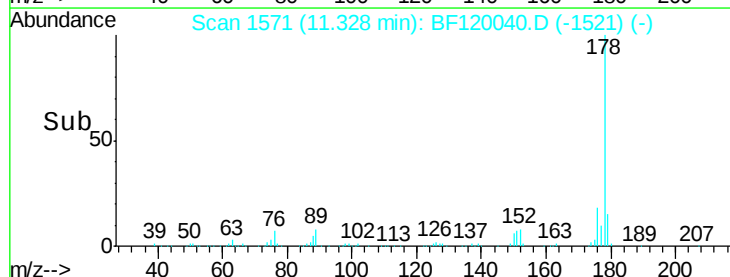
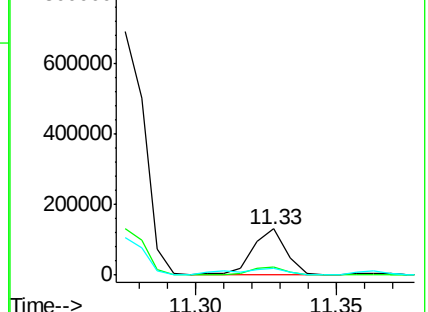
179 15.5 12.8 19.2

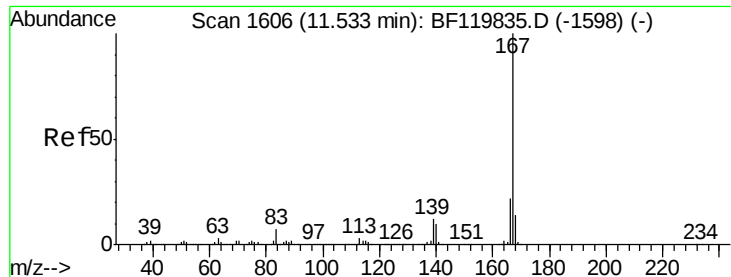


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

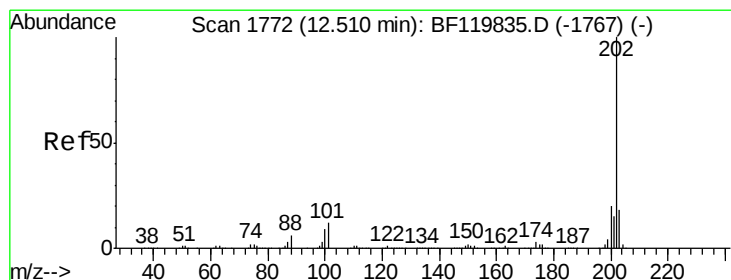
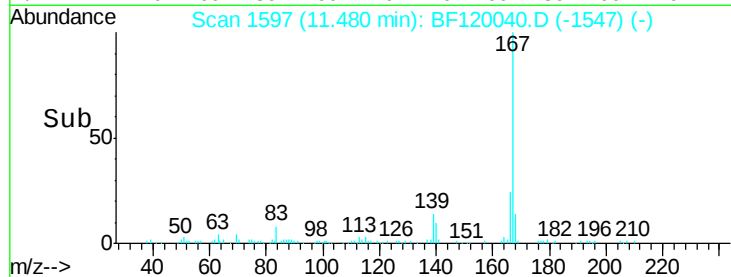
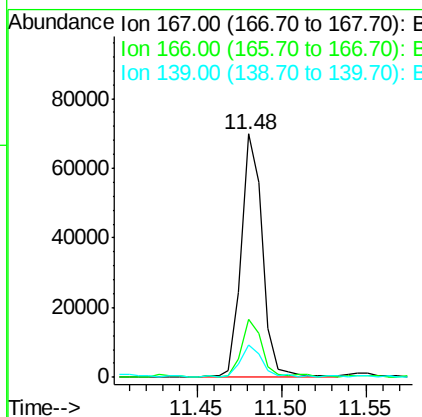
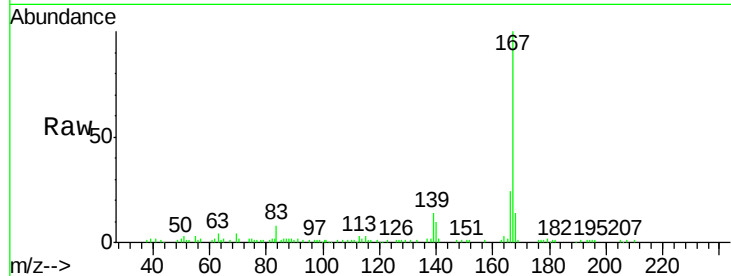




#73  
 Carbazole  
 Concen: 3.569 ng  
 RT: 11.48 min Scan# 1597  
 Delta R.T. -0.01 min  
 Lab File: BF120040.D  
 Acq: 16 Apr 2020 17:04

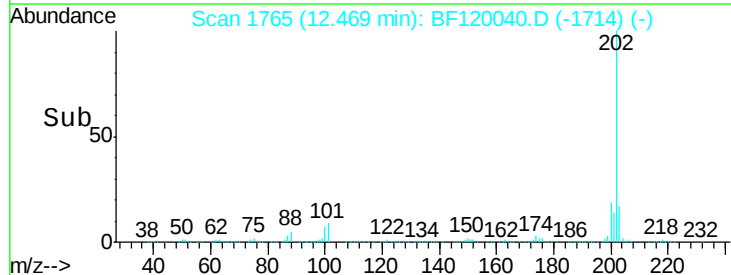
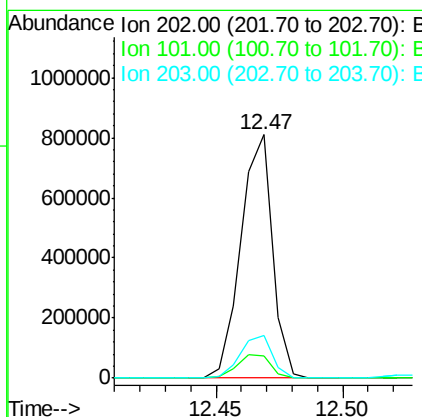
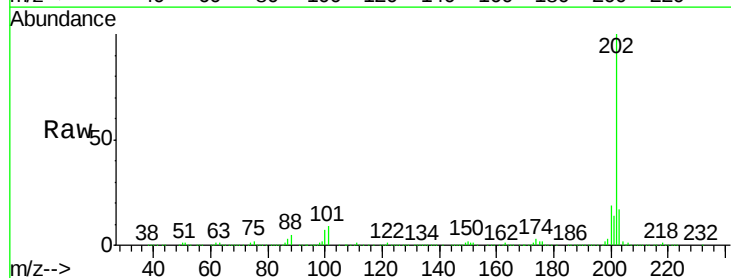
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TP-25-31-39

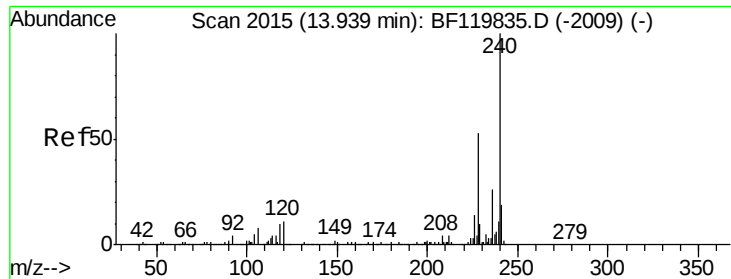
Tot Ion:167 Resp: 61279  
 Ion Ratio Lower Upper  
 167 100  
 166 23.9 17.4 26.0  
 139 13.5 9.8 14.8



#75  
 Fluoranthene  
 Concen: 36.529 ng  
 RT: 12.47 min Scan# 1765  
 Delta R.T. 0.00 min  
 Lab File: BF120040.D  
 Acq: 16 Apr 2020 17:04

Tgt Ion:202 Resp: 700531  
 Ion Ratio Lower Upper  
 202 100  
 101 9.2 0.0 32.3  
 203 17.5 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

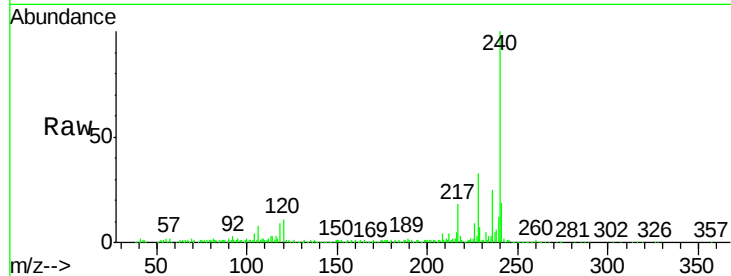
Tot Ion:240 Resp: 266205

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.6

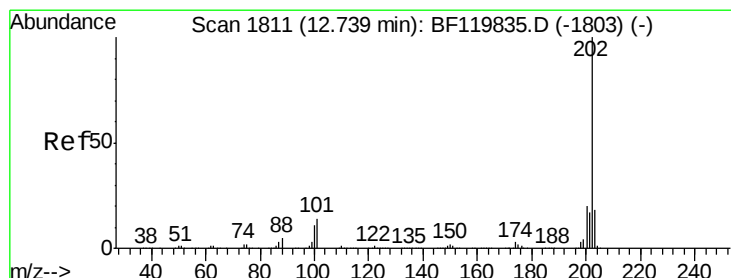
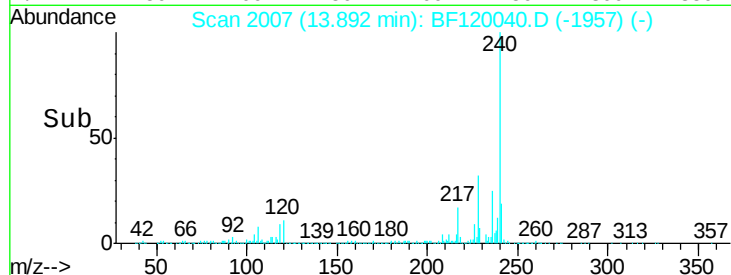
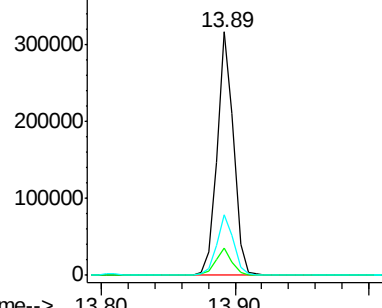
236 24.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Pyrene

Concen: 28.395 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

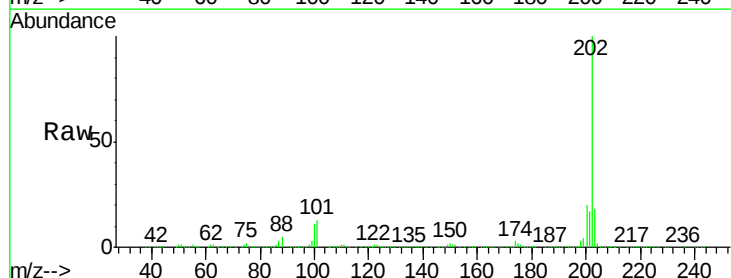
Tgt Ion:202 Resp: 637237

Ion Ratio Lower Upper

202 100

200 20.4 16.2 24.2

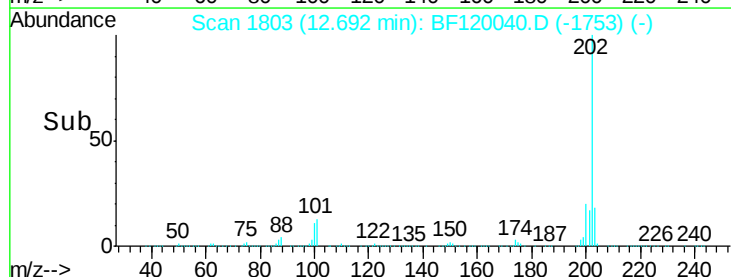
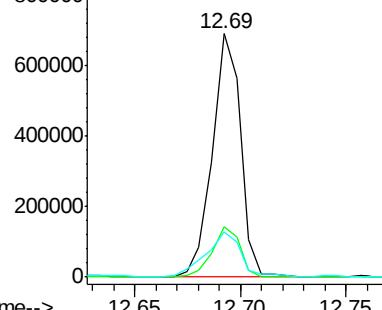
203 18.4 14.1 21.1

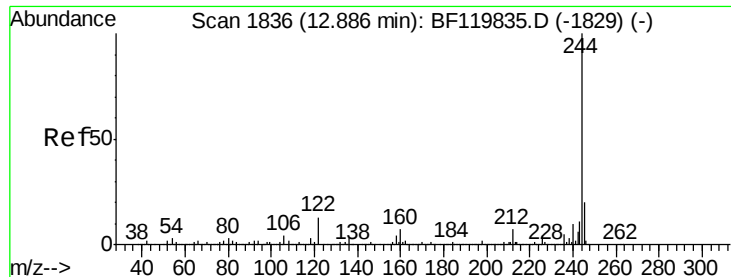


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 15.543 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

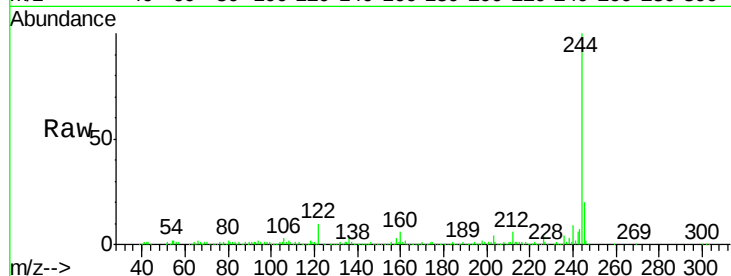
Tot Ion:244 Resp: 245897

Ion Ratio Lower Upper

244 100

212 5.9 5.4 8.0

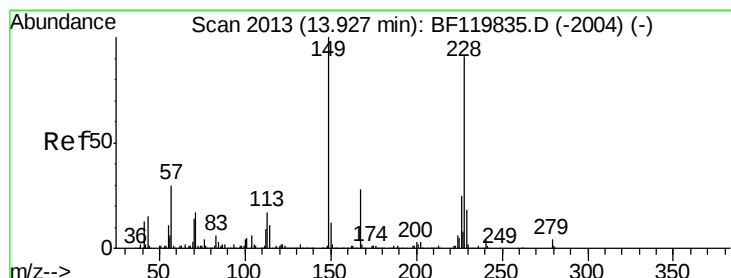
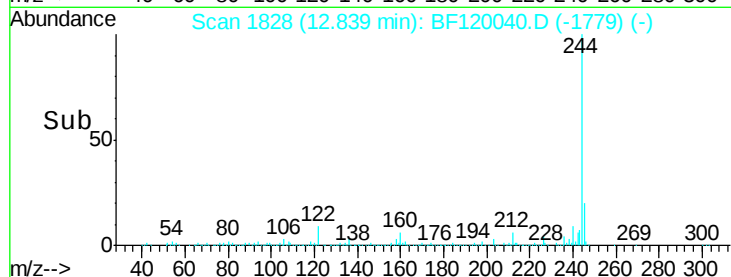
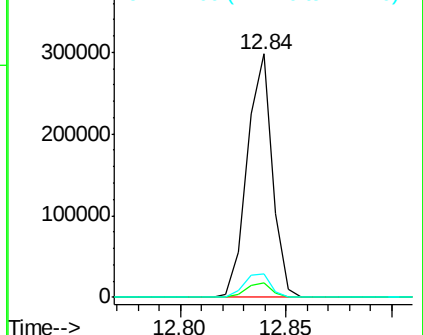
122 9.6 10.3 15.5#



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: 19.818 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

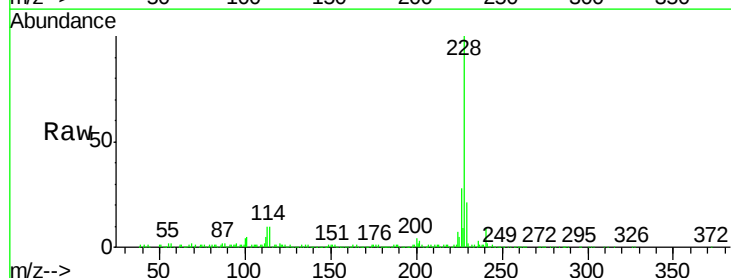
Tgt Ion:228 Resp: 347063

Ion Ratio Lower Upper

228 100

226 28.3 21.9 32.9

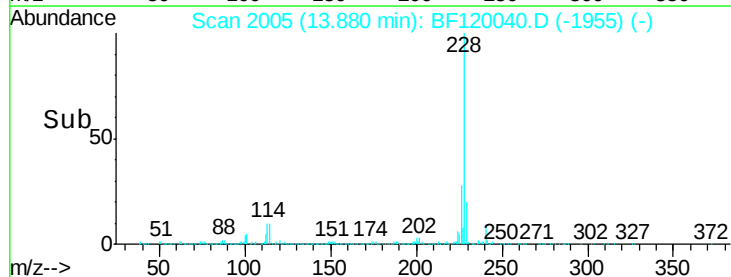
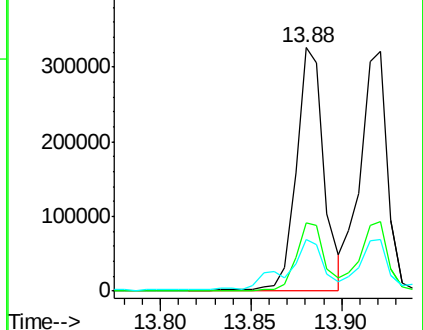
229 21.0 15.9 23.9

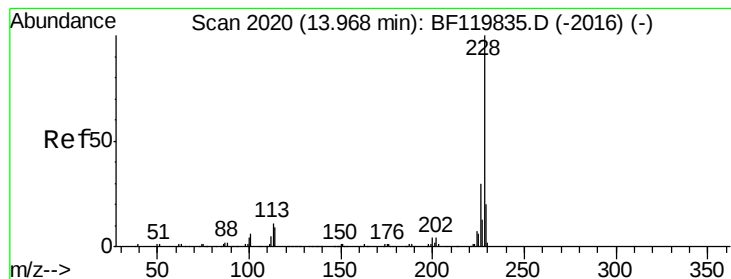


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 18.761 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

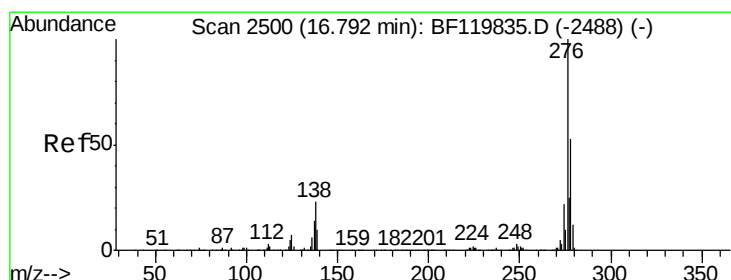
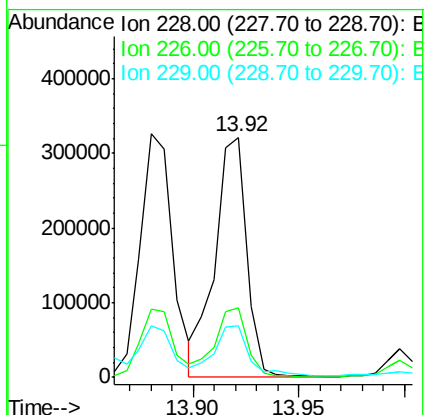
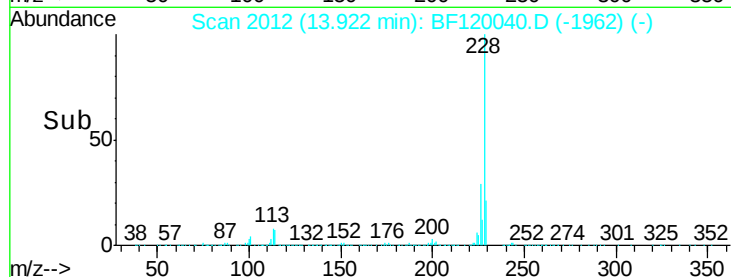
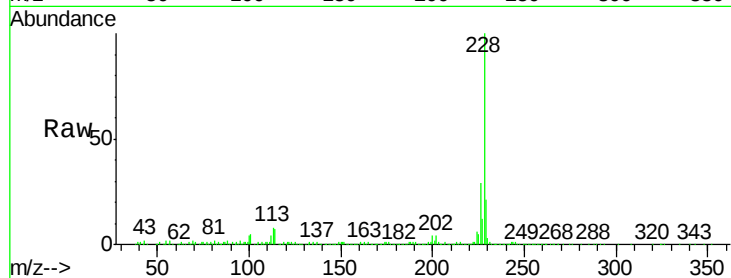
Tot Ion:228 Resp: 333843

Ion Ratio Lower Upper

228 100

226 29.1 24.2 36.2

229 21.5 15.9 23.9



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.229 ng

RT: 16.70 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

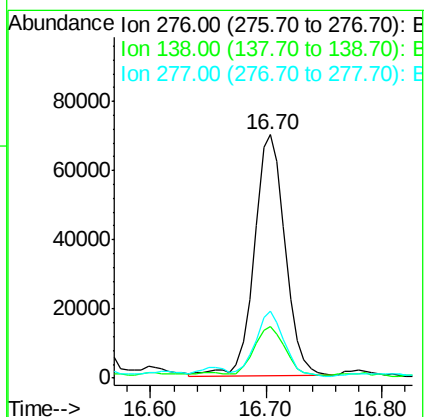
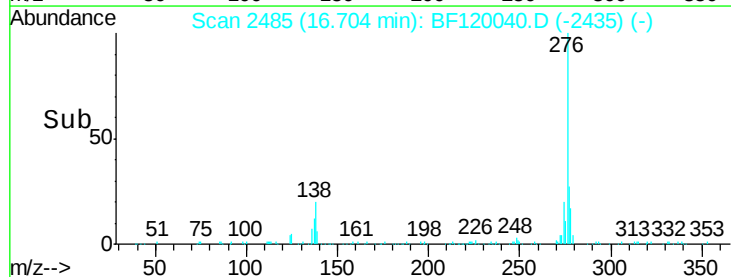
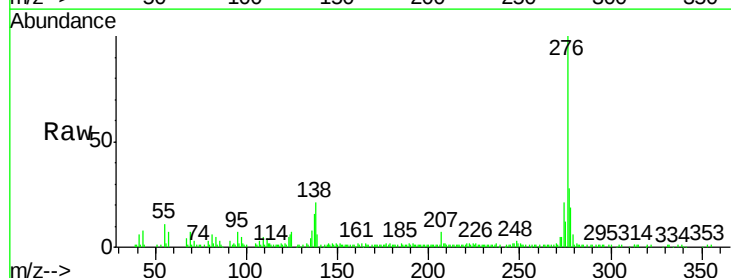
Tgt Ion:276 Resp: 129071

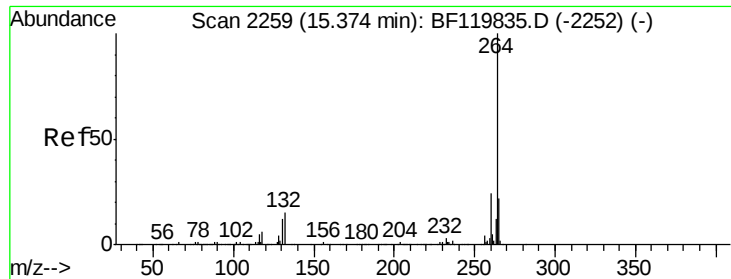
Ion Ratio Lower Upper

276 100

138 21.0 18.0 27.0

277 25.2 20.1 30.1

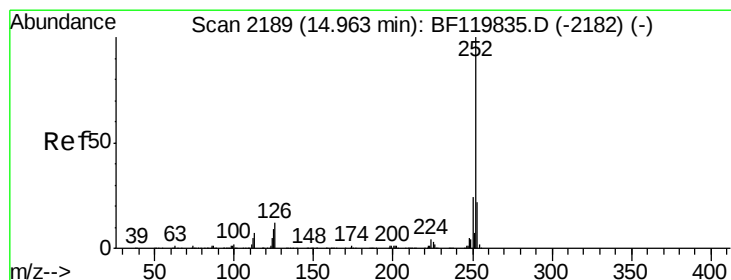
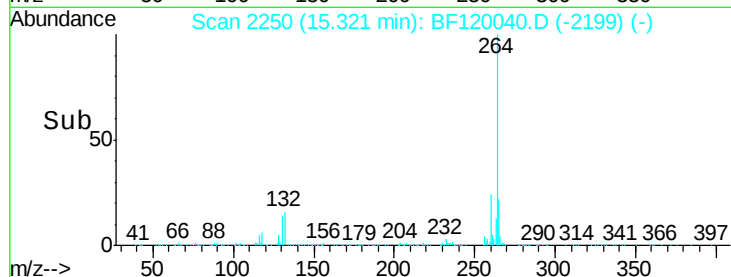
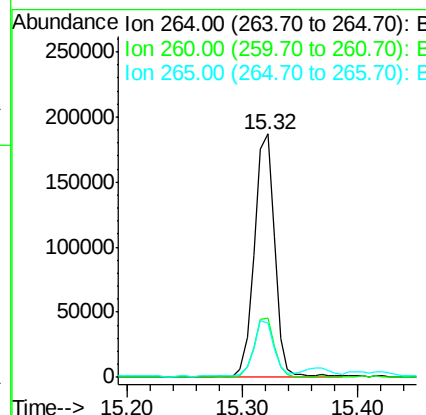
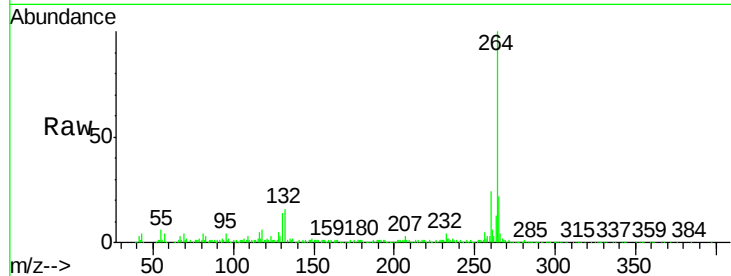




#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.32 min Scan# 2250  
Delta R.T. 0.00 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

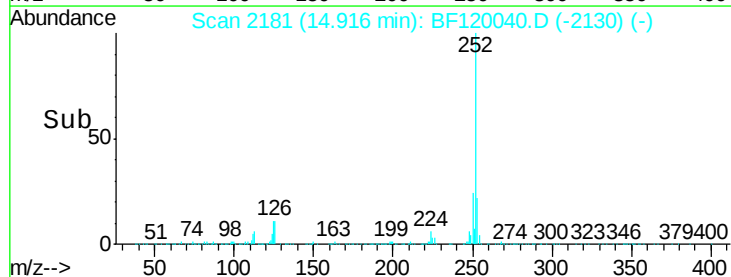
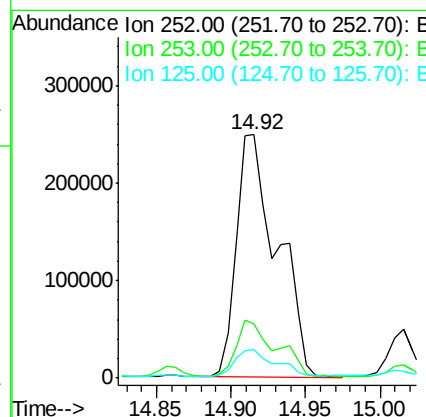
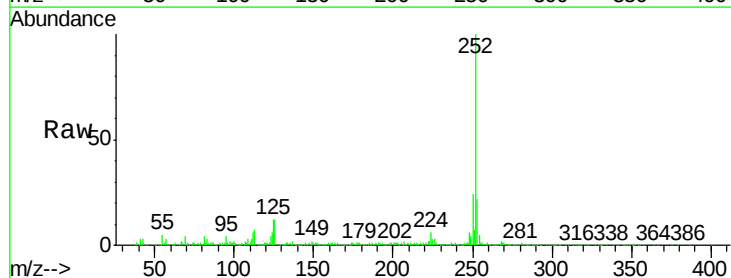
Instrument :  
BNA\_F  
ClientSampleId :  
TP-25-31-39

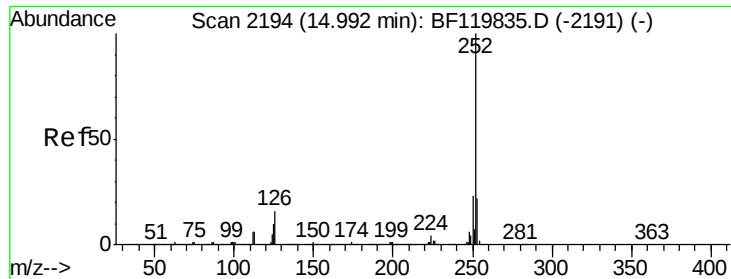
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 19.3  | 28.9  |
| 265     | 22.5  | 17.6  | 26.4  |



#88  
Benzo(b)fluoranthene  
Concen: 28.622 ng  
RT: 14.92 min Scan# 2181  
Delta R.T. 0.00 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.7  | 26.5  |
| 125     | 11.7  | 7.4   | 11.2# |

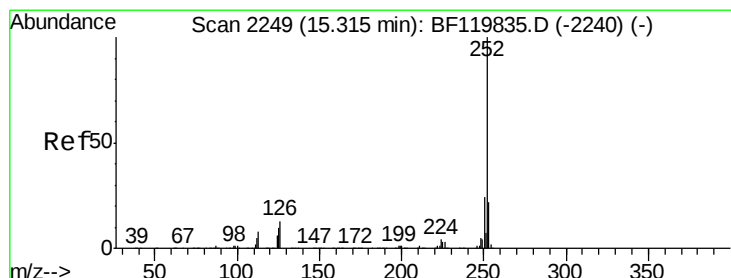
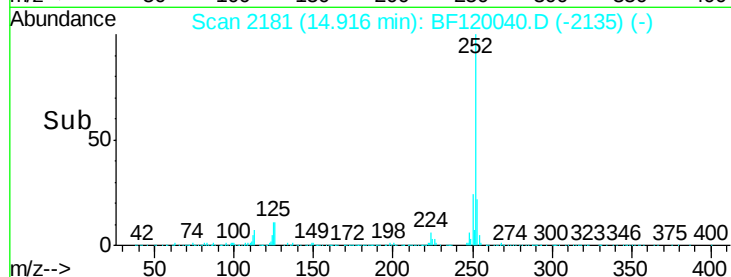
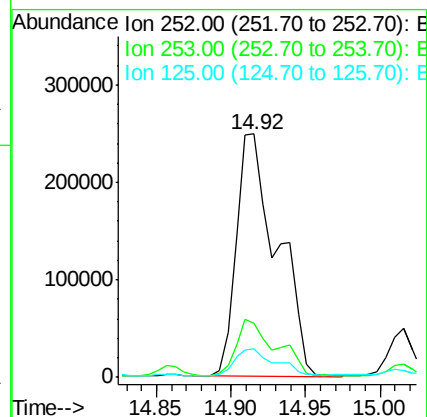
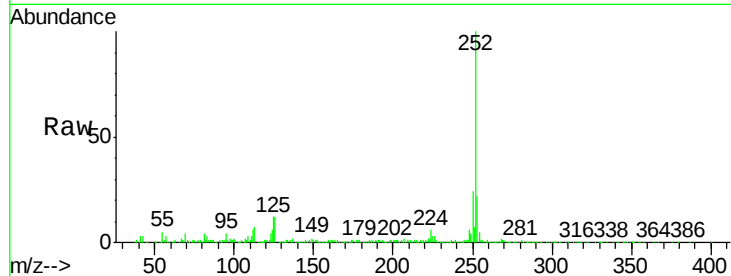




#89  
Benzo(k)fluoranthene  
Concen: 33.173 ng  
RT: 14.92 min Scan# 2181  
Delta R.T. -0.03 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

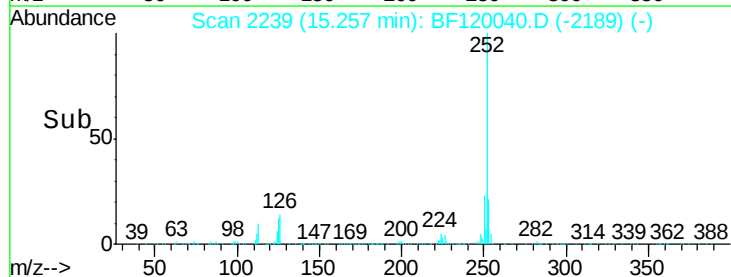
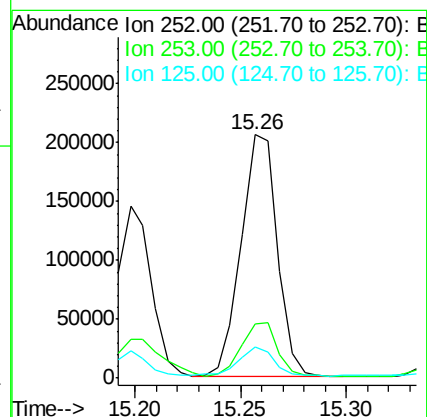
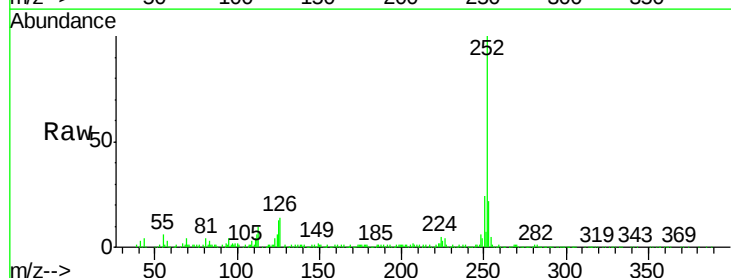
Instrument :  
BNA\_F  
ClientSampleId :  
TP-25-31-39

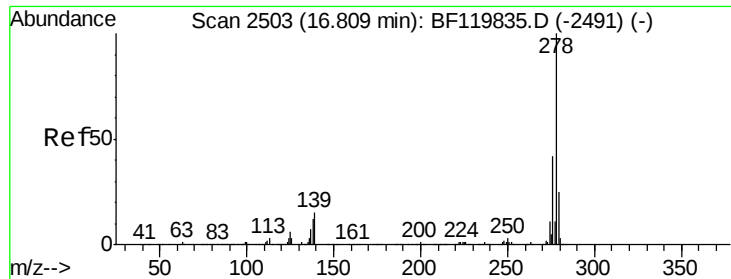
Tot Ion:252 Resp: 476018  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.8 26.8  
125 11.7 7.7 11.5#



#90  
Benzo(a)pyrene  
Concen: 17.506 ng  
RT: 15.26 min Scan# 2239  
Delta R.T. -0.01 min  
Lab File: BF120040.D  
Acq: 16 Apr 2020 17:04

Tgt Ion:252 Resp: 244791  
Ion Ratio Lower Upper  
252 100  
253 22.1 17.4 26.2  
125 12.6 8.3 12.5#





#91

Dibenzo(a,h)anthracene

Concen: 2.703 ng

RT: 16.72 min Scan# 2487

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

Instrument :

BNA\_F

ClientSampleId :

TP-25-31-39

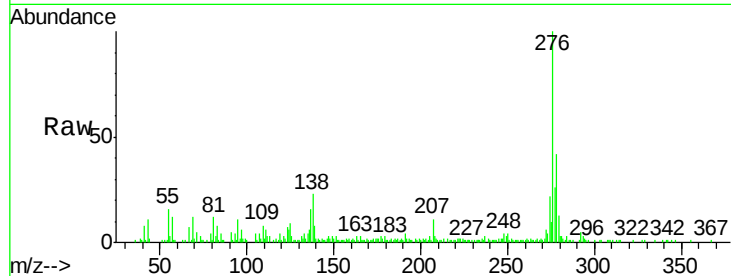
Tot Ion:278 Resp: 33478

Ion Ratio Lower Upper

278 100

139 19.0 11.6 17.4#

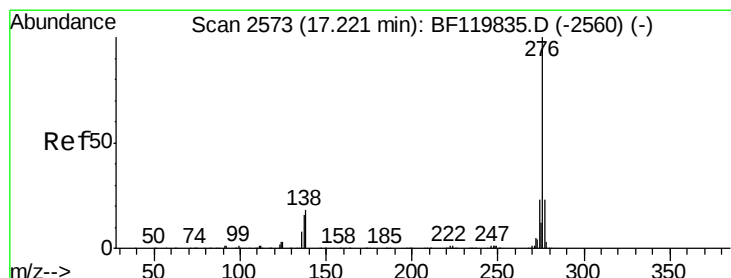
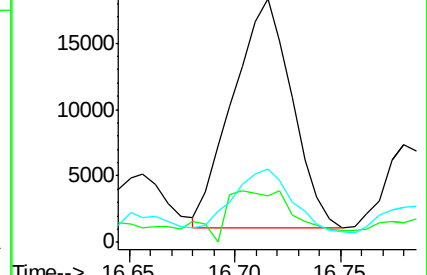
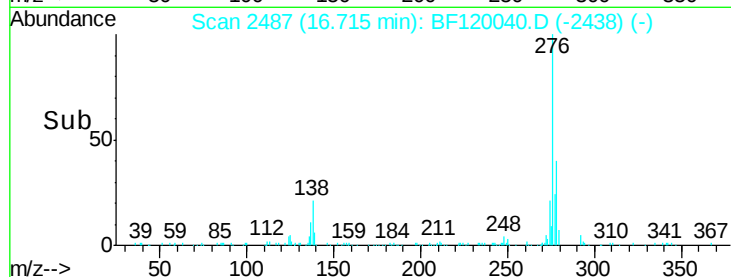
279 30.3 19.7 29.5#



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: 9.435 ng

RT: 17.12 min Scan# 2556

Delta R.T. -0.01 min

Lab File: BF120040.D

Acq: 16 Apr 2020 17:04

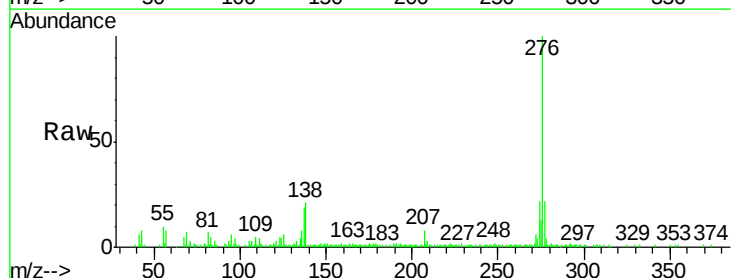
Tgt Ion:276 Resp: 115359

Ion Ratio Lower Upper

276 100

277 22.2 18.5 27.7

138 21.1 14.6 22.0



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

