

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF012718\  
 Data File : BF102522.D  
 Acq On : 27 Jan 2018 20:42  
 Operator : SJ/JU  
 Sample : J1009-11  
 Misc :  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: Jan 27 22:05:24 2018  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 27 20:48:40 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.72  | 152  | 171946   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.00  | 136  | 677314   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 9.75  | 164  | 272382   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.24 | 188  | 379465   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 13.88 | 240  | 286976   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.32 | 264  | 216408   | 20.00 | ng    | 0.01     |

## System Monitoring Compounds

|                          |       |     |         |       |    |      |
|--------------------------|-------|-----|---------|-------|----|------|
| 5) 2-Fluorophenol        | 5.33  | 112 | 1088250 | 95.96 | ng | 0.01 |
| 7) Phenol-d6             | 6.36  | 99  | 1324892 | 96.91 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 7.29  | 82  | 799759  | 67.86 | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 10.55 | 330 | 201356  | 74.61 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 9.07  | 172 | 1154721 | 62.33 | ng | 0.00 |
| 78) Terphenyl-d14        | 12.82 | 244 | 762304  | 59.88 | ng | 0.00 |

## Target Compounds

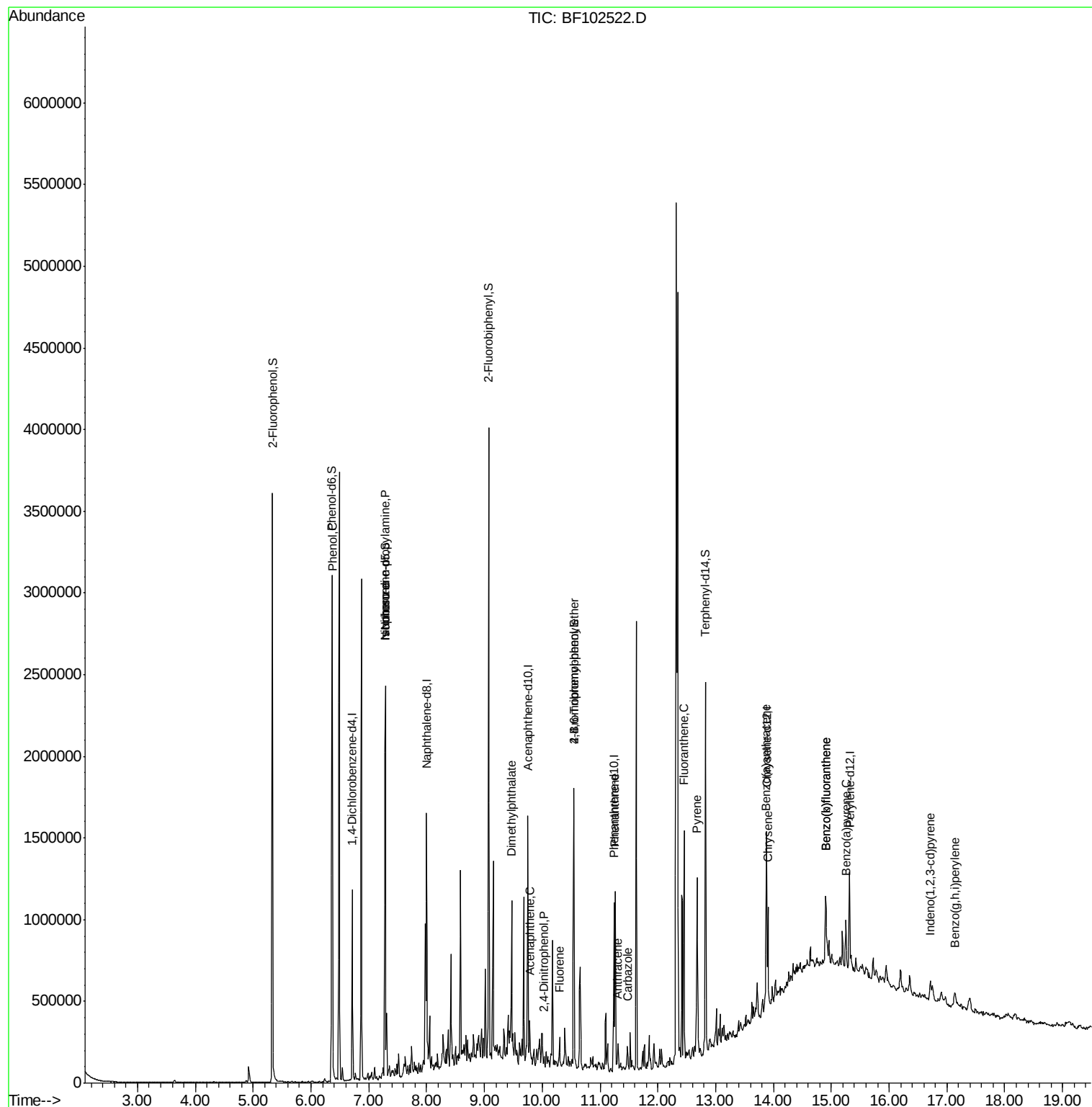
|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 10) Phenol                     | 6.37  | 94  | 50193  | 3.363  | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.29  | 70  | 112822 | 13.485 | ng | # 76   |
| 25) Isophorone                 | 7.29  | 82  | 797241 | 37.943 | ng | # 64   |
| 49) Dimethylphthalate          | 9.47  | 163 | 120605 | 5.357  | ng | 99     |
| 51) Acenaphthene               | 9.78  | 154 | 41536  | 2.411  | ng | 98     |
| 53) 2,4-Dinitrophenol          | 10.04 | 184 | 703    | 4.004  | ng | # 3    |
| 57) Fluorene                   | 10.30 | 166 | 40930  | 2.216  | ng | 99     |
| 66) 4-Bromophenyl-phenylether  | 10.55 | 248 | 13968  | 3.419  | ng | # 1    |
| 70) Phenanthrene               | 11.26 | 178 | 386646 | 17.486 | ng | 98     |
| 71) Anthracene                 | 11.31 | 178 | 66652  | 2.953  | ng | 97     |
| 72) Carbazole                  | 11.47 | 167 | 50069  | 2.274  | ng | 98     |
| 74) Fluoranthene               | 12.45 | 202 | 529205 | 23.469 | ng | 99     |
| 77) Pyrene                     | 12.68 | 202 | 430573 | 19.406 | ng | 99     |
| 80) Benzo(a)anthracene         | 13.87 | 228 | 219158 | 12.404 | ng | 99     |
| 82) Chrysene                   | 13.90 | 228 | 224766 | 12.527 | ng | 98     |
| 85) Indeno(1,2,3-cd)pyrene     | 16.72 | 276 | 66527  | 4.490  | ng | 96     |
| 87) Benzo(b)fluoranthene       | 14.90 | 252 | 297318 | 21.197 | ng | # 91   |
| 88) Benzo(k)fluoranthene       | 14.90 | 252 | 297318 | 22.436 | ng | # 94   |
| 89) Benzo(a)pyrene             | 15.25 | 252 | 133022 | 10.515 | ng | # 92   |
| 91) Benzo(g,h,i)perylene       | 17.14 | 276 | 61480  | 6.076  | ng | 93     |

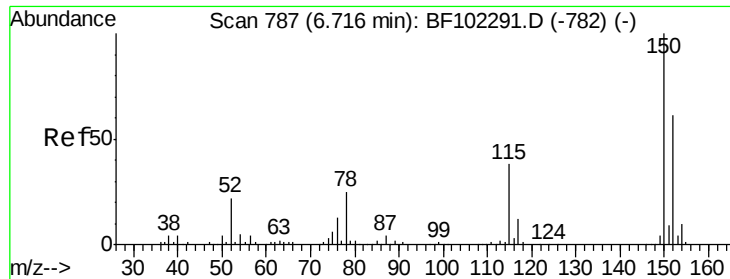
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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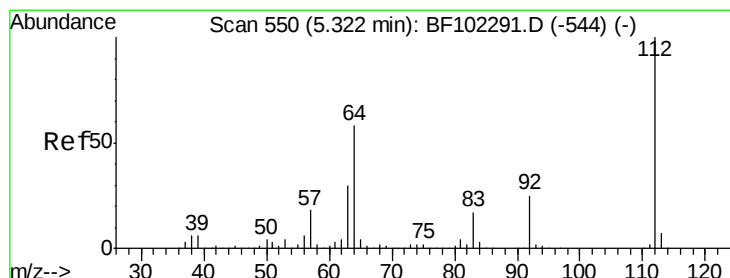
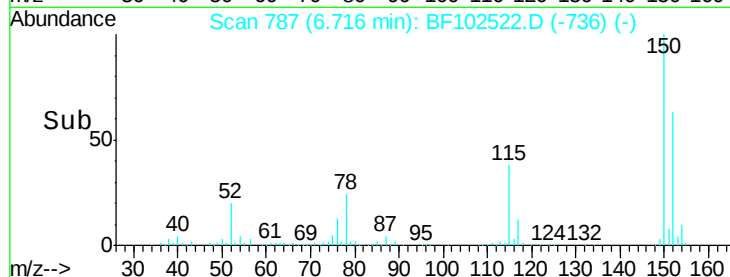
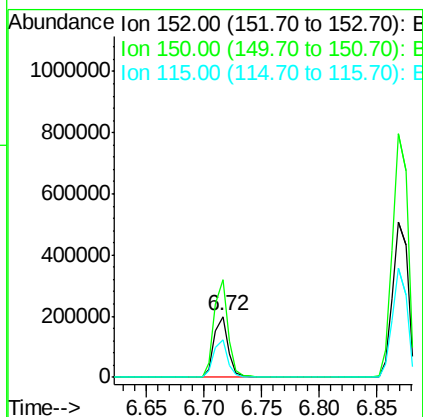
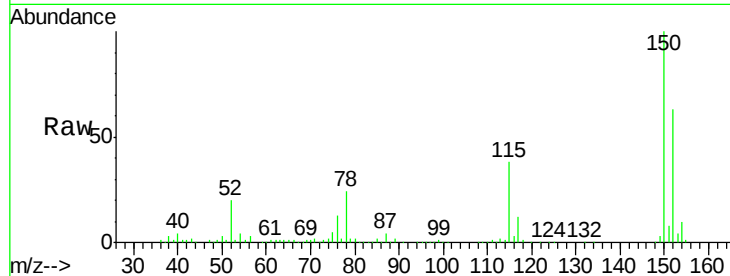


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.72 min Scan# 787  
Delta R.T. 0.00 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

Instrument :  
BNA\_F  
ClientSampleId :

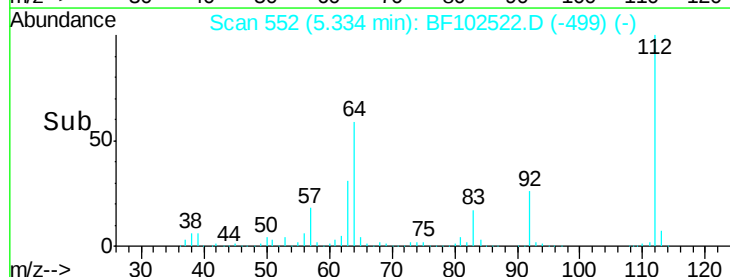
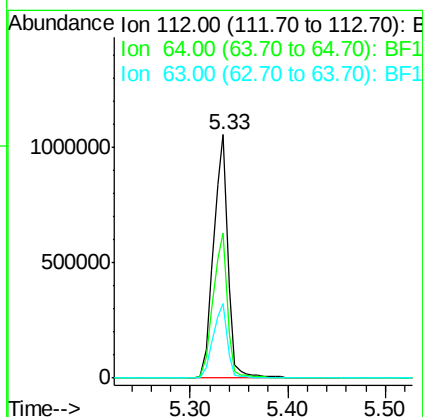
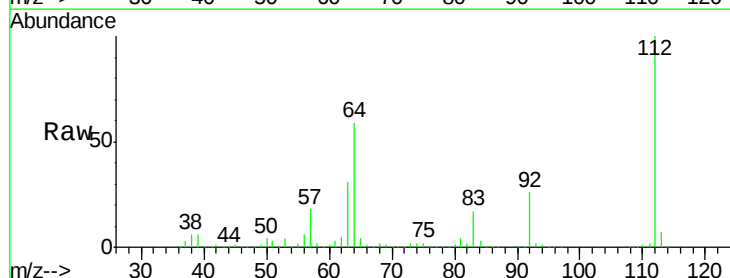
Tgt Ion:152 Resp: 171946  
Ion Ratio Lower Upper  
152 100  
150 159.6 124.6 186.8  
115 61.2 50.1 75.1

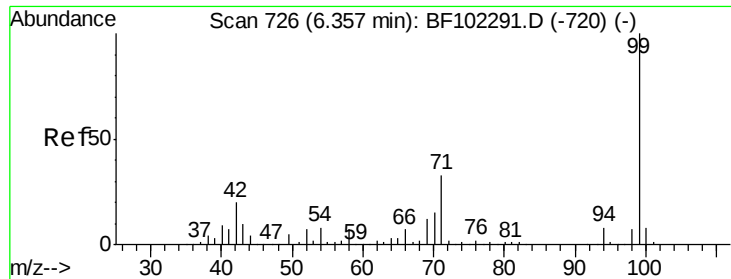


#5

2-Fluorophenol  
Concen: 95.964 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.01 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

Tgt Ion:112 Resp: 1088250  
Ion Ratio Lower Upper  
112 100  
64 59.3 47.9 71.9  
63 30.8 23.7 35.5





#7

Phenol-d6

Concen: 96.909 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampled :

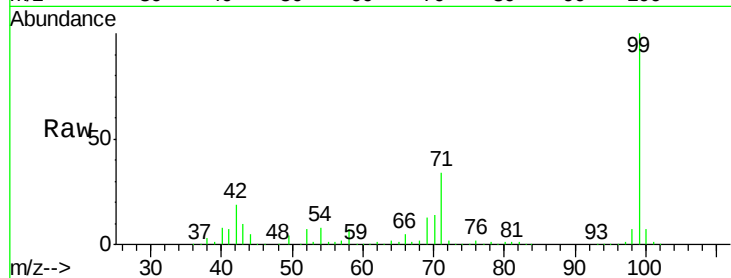
Tgt Ion: 99 Resp: 1324892

Ion Ratio Lower Upper

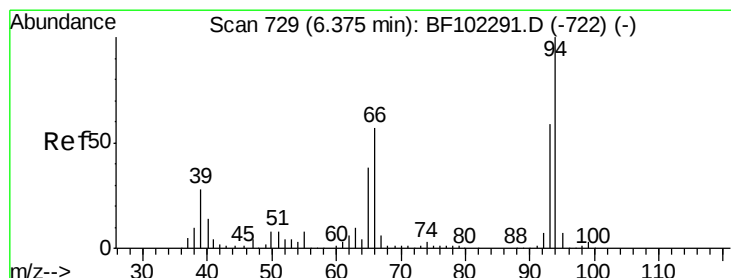
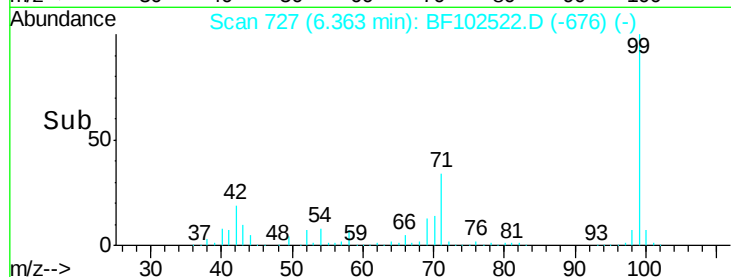
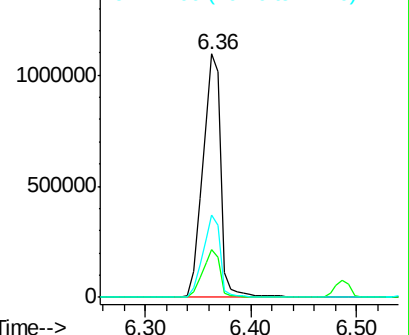
99 100

42 19.4 14.5 21.7

71 33.7 25.4 38.0



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



#10

Phenol

Concen: 3.363 ng

RT: 6.37 min Scan# 729

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

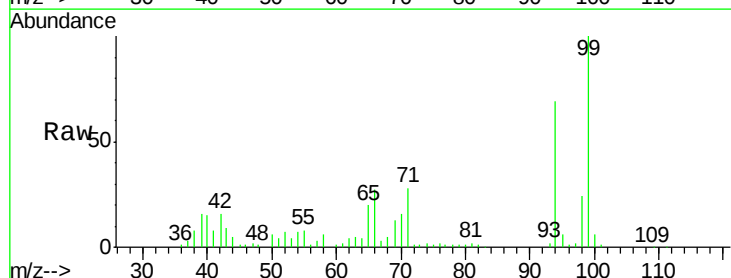
Tgt Ion: 94 Resp: 50193

Ion Ratio Lower Upper

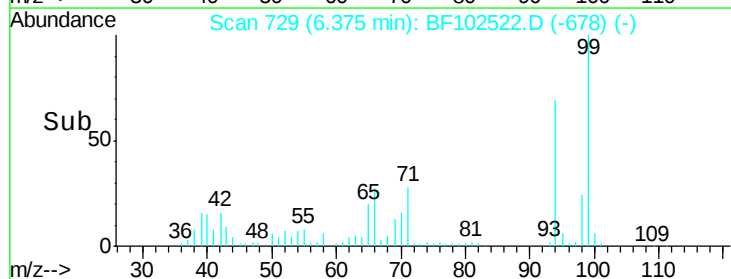
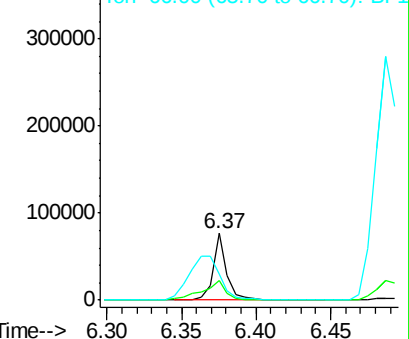
94 100

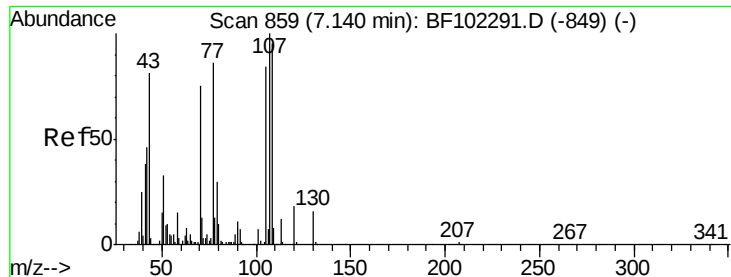
65 29.0 7.9 47.9

66 39.6 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1

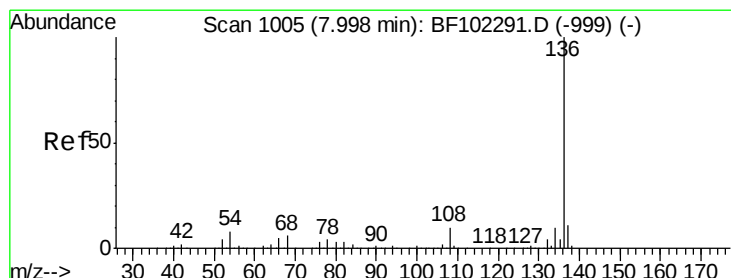
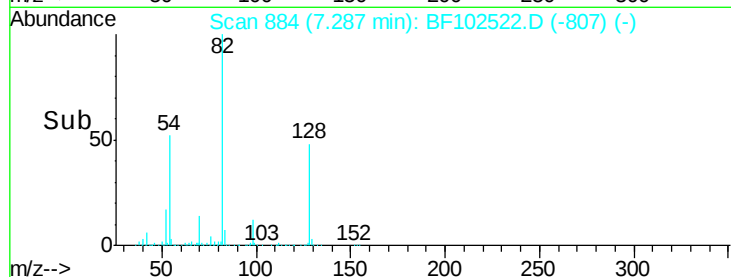
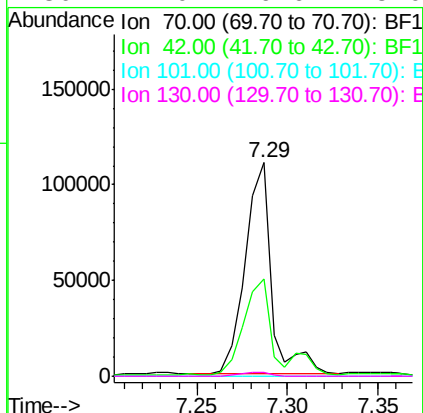
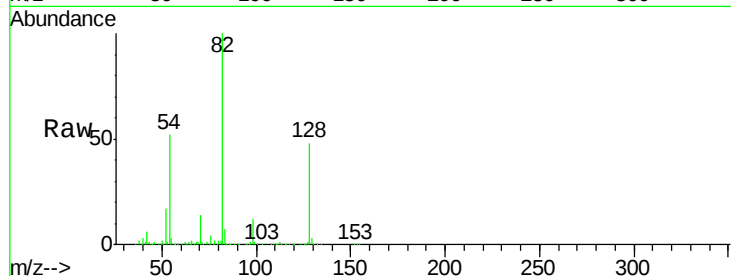




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.485 ng  
RT: 7.29 min Scan# 884  
Delta R.T. 0.15 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

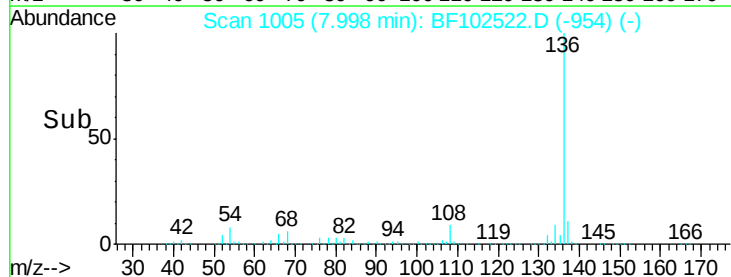
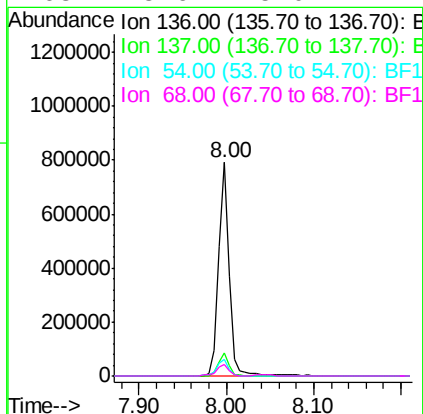
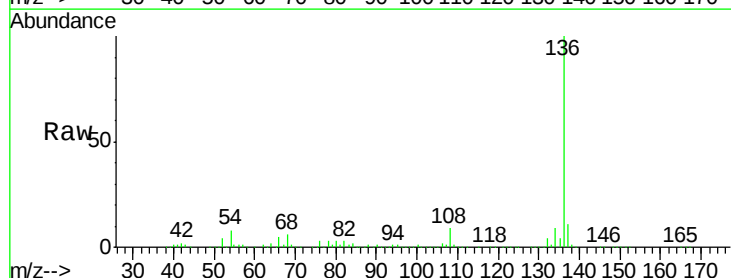
Instrument :  
BNA\_F  
ClientSampleId :

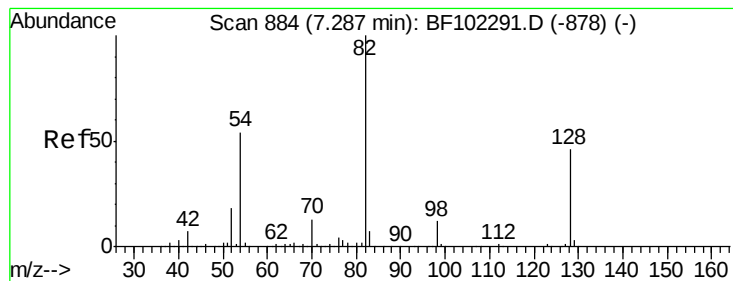
Tgt Ion: 70 Resp: 112822  
Ion Ratio Lower Upper  
70 100  
42 45.5 47.5 71.3#  
101 0.0 7.4 11.2#  
130 2.0 16.6 25.0#



#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.00 min Scan# 1005  
Delta R.T. 0.00 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

Tgt Ion: 136 Resp: 677314  
Ion Ratio Lower Upper  
136 100  
137 10.7 8.9 13.3  
54 8.0 6.6 9.8  
68 5.6 5.0 7.4





#23

Nitrobenzene-d5

Concen: 67.856 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampleId :

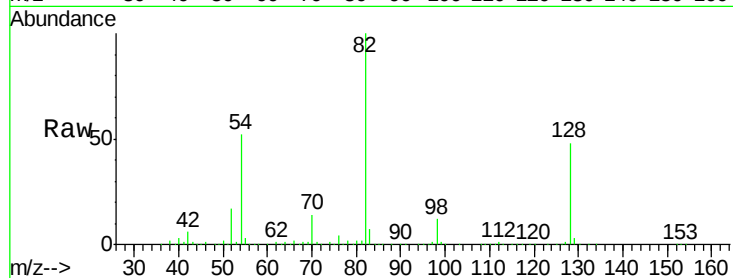
Tgt Ion: 82 Resp: 799759

Ion Ratio Lower Upper

82 100

128 47.9 36.1 54.1

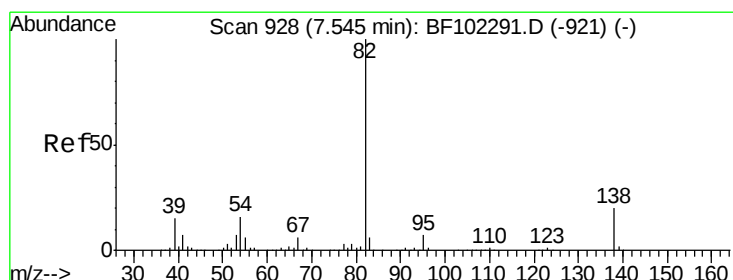
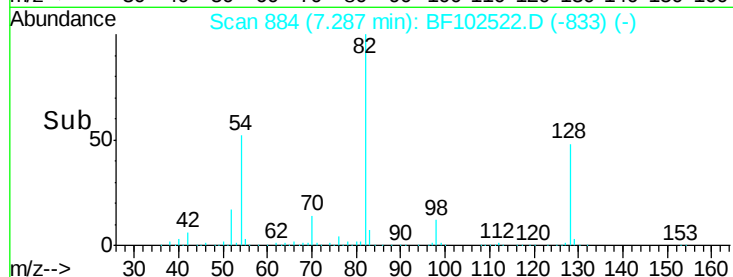
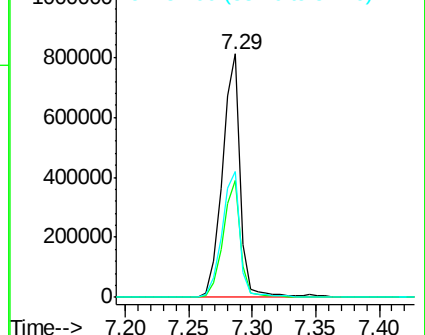
54 51.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 37.943 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

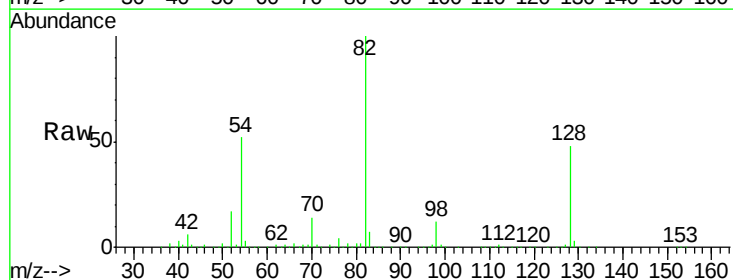
Tgt Ion: 82 Resp: 797241

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

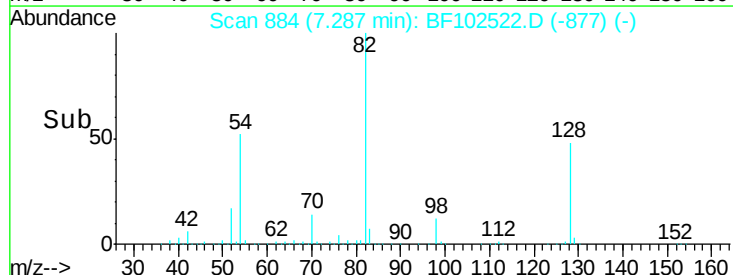
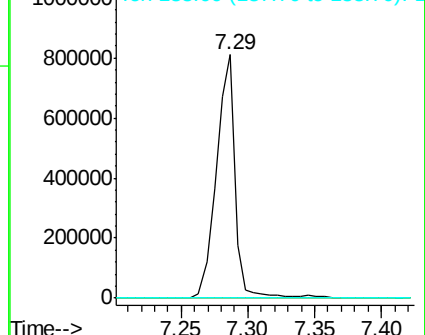
138 0.0 14.9 22.3#

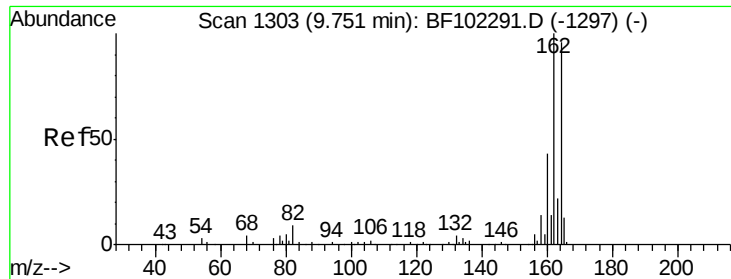


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampleId :

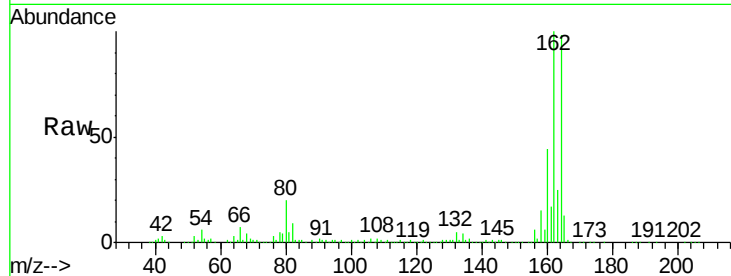
Tgt Ion:164 Resp: 272382

Ion Ratio Lower Upper

164 100

162 101.9 86.1 129.1

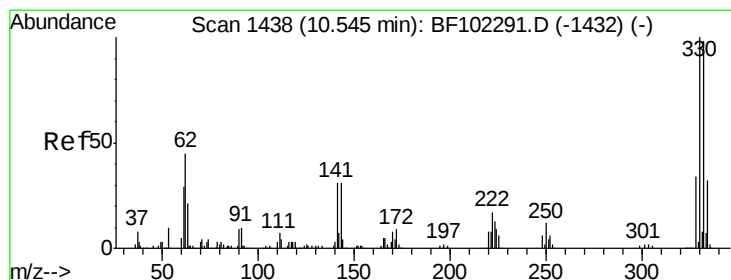
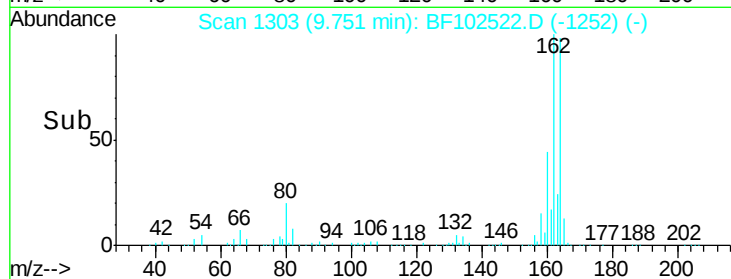
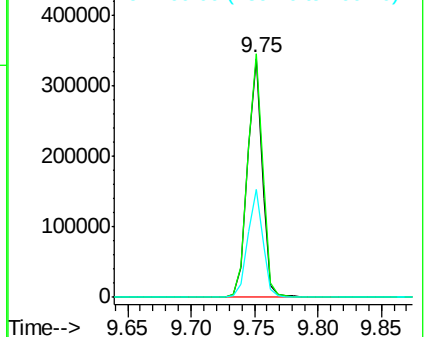
160 45.2 38.3 57.5



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



#41

2,4,6-Tribromophenol

Concen: 74.606 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

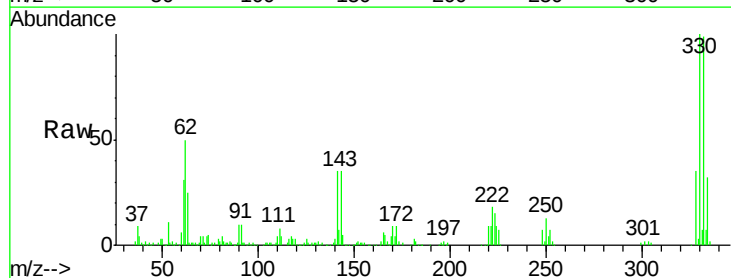
Tgt Ion:330 Resp: 201356

Ion Ratio Lower Upper

330 100

332 96.5 77.0 115.6

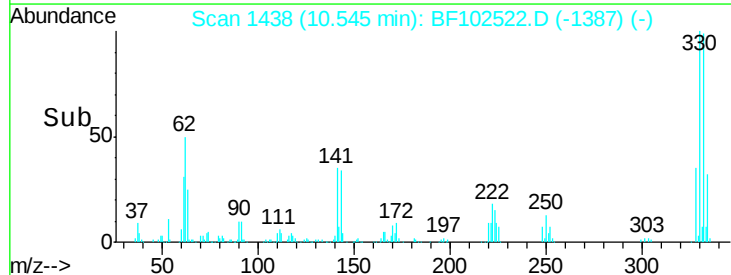
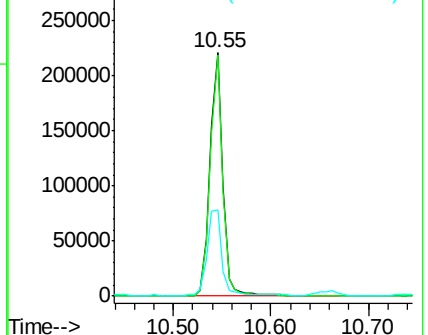
141 40.1 29.9 44.9

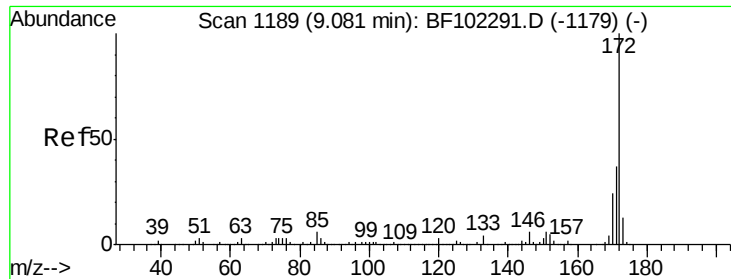


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

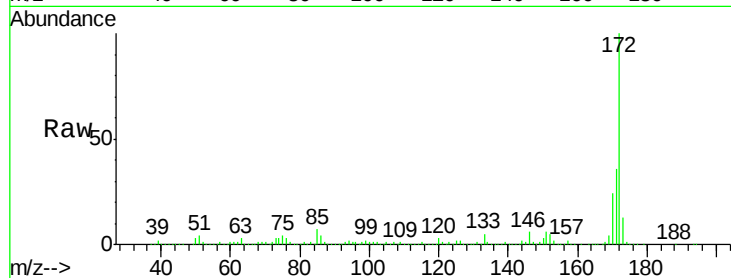




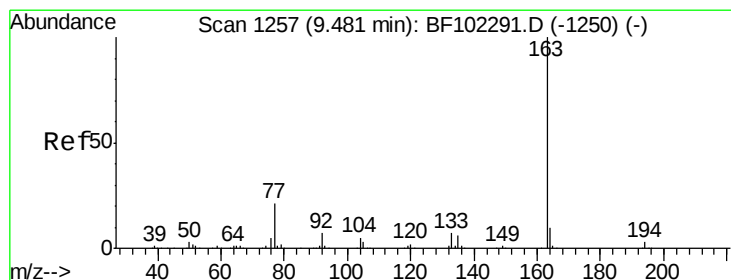
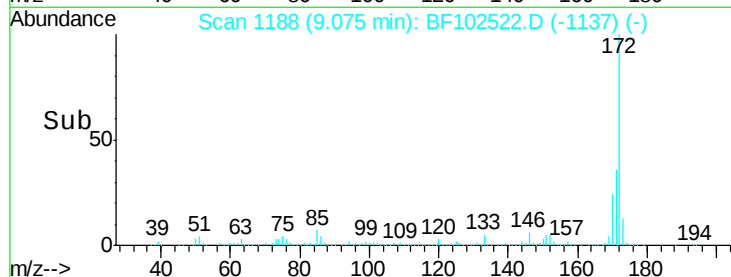
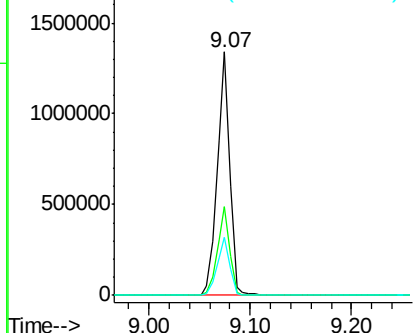
#44  
2-Fluorobiphenyl  
Concen: 62.333 ng  
RT: 9.07 min Scan# 1188  
Delta R.T. 0.00 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

Instrument :  
BNA\_F  
ClientSampleId :

Tgt Ion:172 Resp: 1154721  
Ion Ratio Lower Upper  
172 100  
171 36.4 29.7 44.5  
170 23.9 19.6 29.4

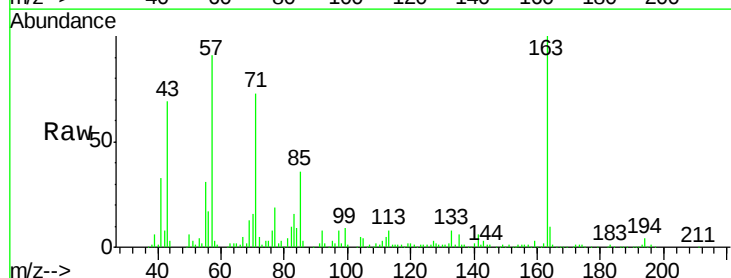


Abundance Ion 172.00 (171.70 to 172.70): E  
Ion 171.00 (170.70 to 171.70): E  
Ion 170.00 (169.70 to 170.70): E

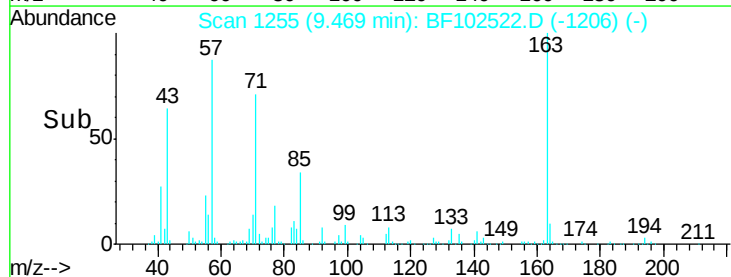
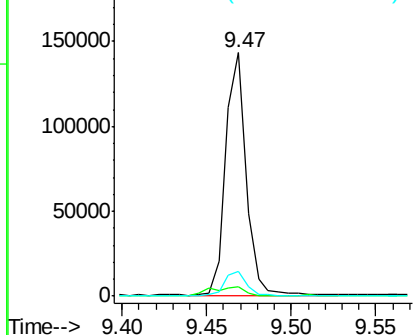


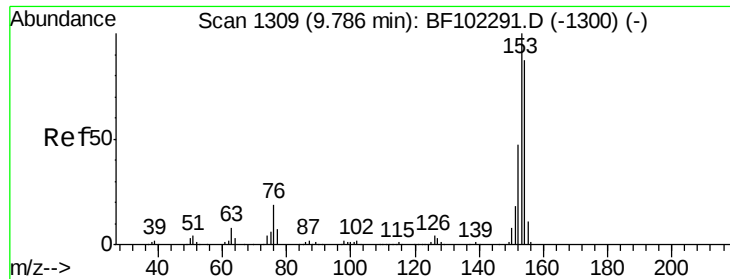
#49  
Dimethylphthalate  
Concen: 5.357 ng  
RT: 9.47 min Scan# 1255  
Delta R.T. -0.01 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

Tgt Ion:163 Resp: 120605  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.7 4.1  
164 10.0 8.2 12.2



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

Acenaphthene

Concen: 2.411 ng

RT: 9.78 min Scan# 1308

Delta R.T. -0.01 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampleId :

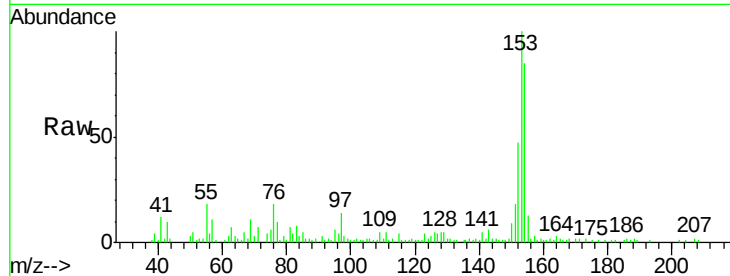
Tgt Ion:154 Resp: 41536

Ion Ratio Lower Upper

154 100

153 117.8 91.2 136.8

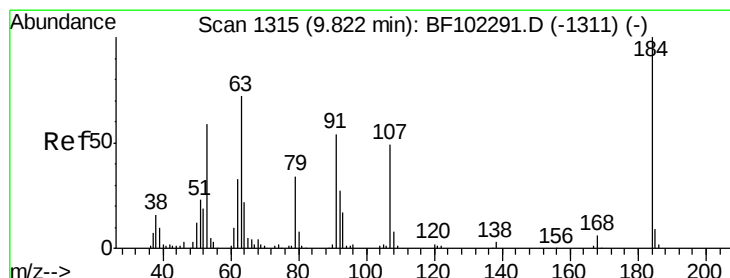
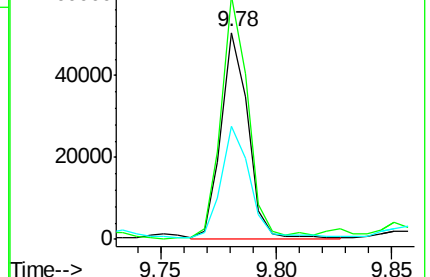
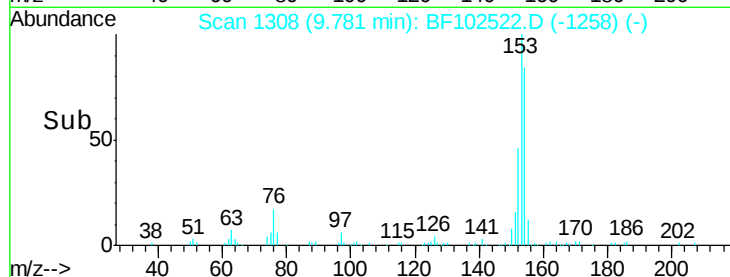
152 55.0 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 4.004 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.21 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

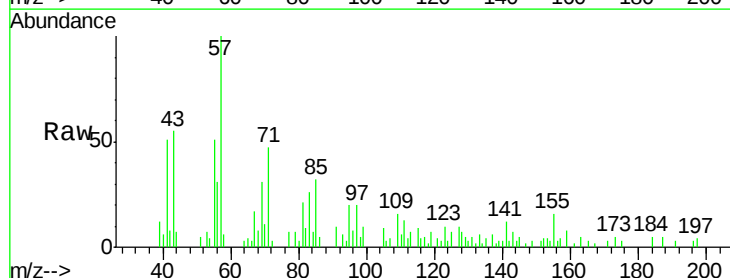
Tgt Ion:184 Resp: 703

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

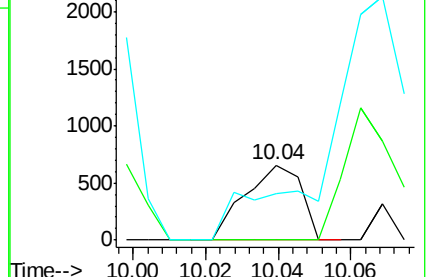
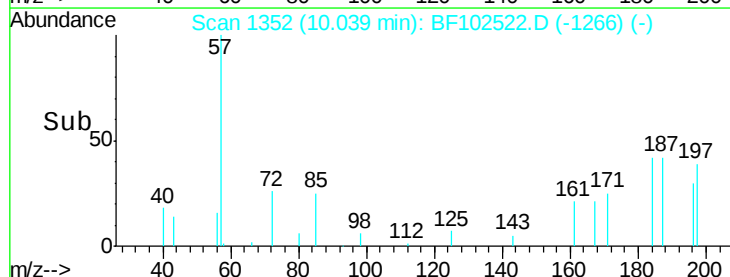
154 62.5 184.0 276.0#

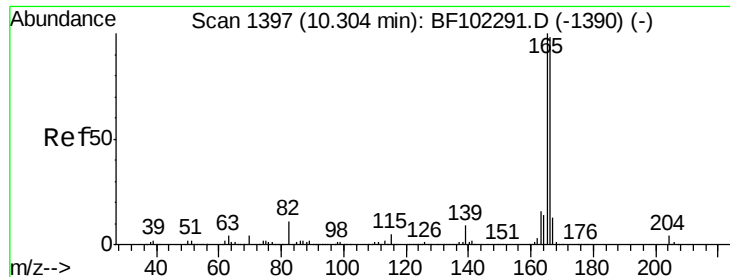


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

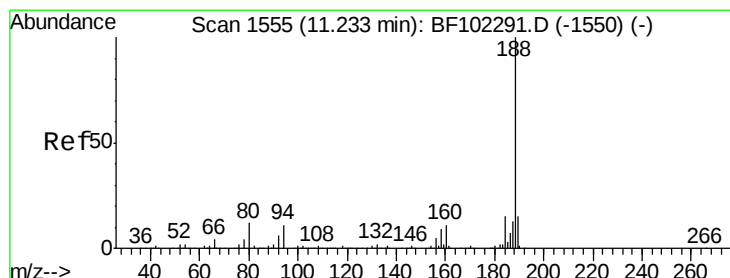
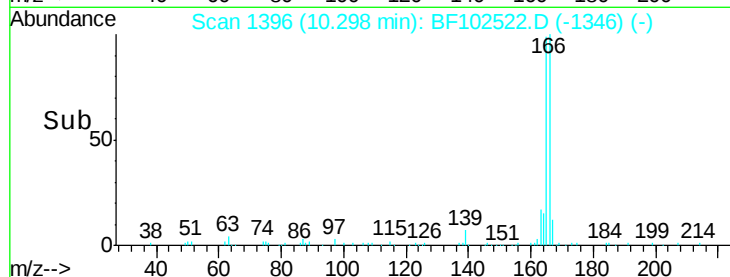
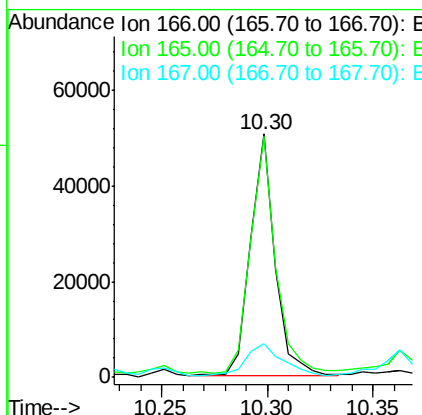
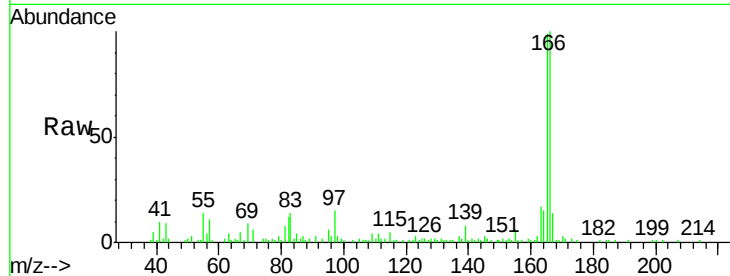




#57  
 Fluorene  
 Concen: 2.216 ng  
 RT: 10.30 min Scan# 1396  
 Delta R.T. -0.01 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

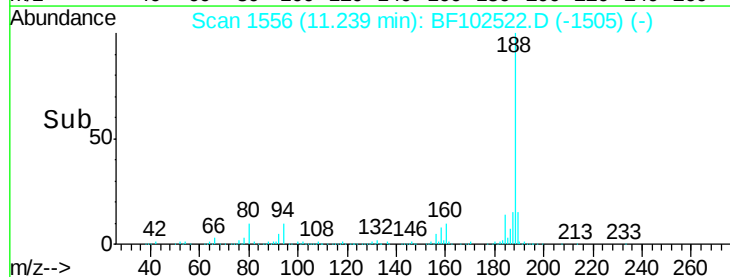
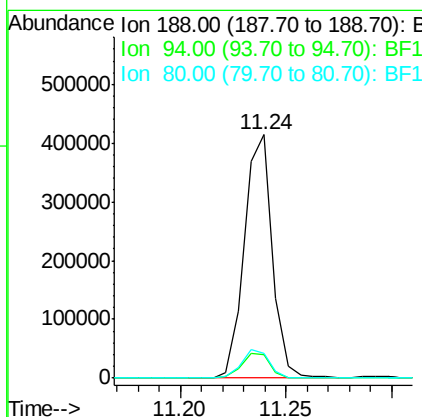
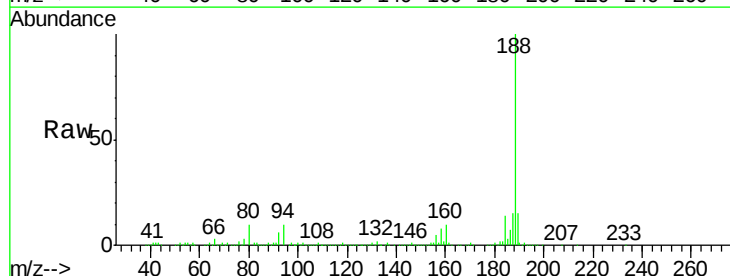
Instrument :  
 BNA\_F  
 ClientSampleId :

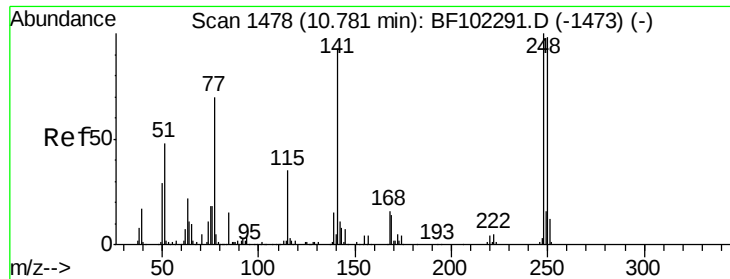
Tgt Ion:166 Resp: 40930  
 Ion Ratio Lower Upper  
 166 100  
 165 99.2 79.8 119.8  
 167 13.9 10.6 16.0



#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.24 min Scan# 1556  
 Delta R.T. 0.00 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

Tgt Ion:188 Resp: 379465  
 Ion Ratio Lower Upper  
 188 100  
 94 9.6 8.5 12.7  
 80 10.2 9.2 13.8

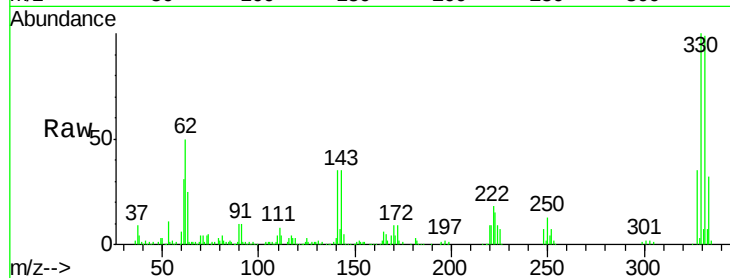




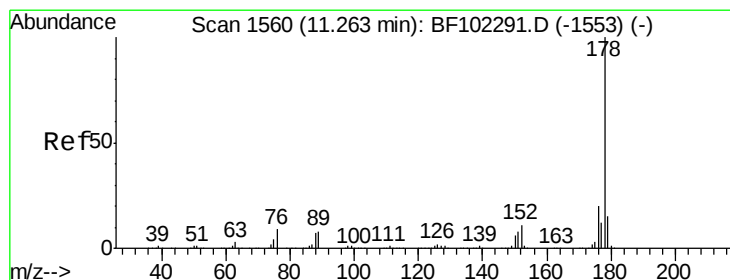
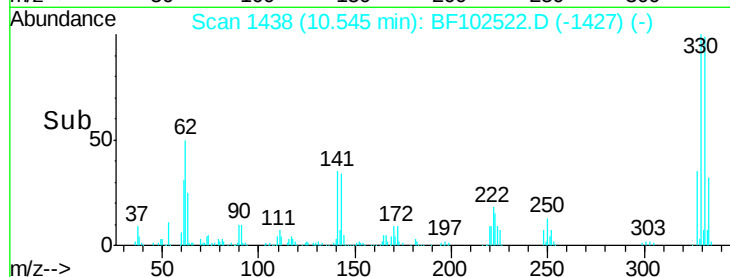
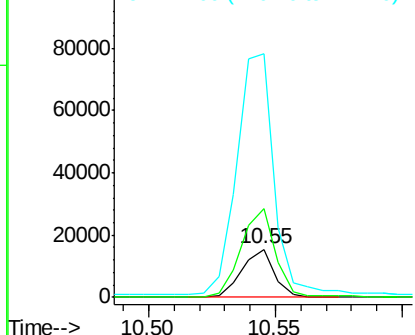
#66  
 4-Bromophenyl-phenylether  
 Concen: 3.419 ng  
 RT: 10.55 min Scan# 1438  
 Delta R.T. -0.24 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

Instrument :  
 BNA\_F  
 ClientSampleId :

Tgt Ion:248 Resp: 13968  
 Ion Ratio Lower Upper  
 248 100  
 250 185.3 76.9 115.3#  
 141 506.1 74.4 111.6#

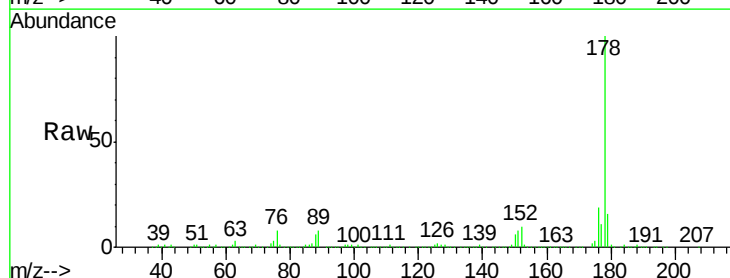


Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E

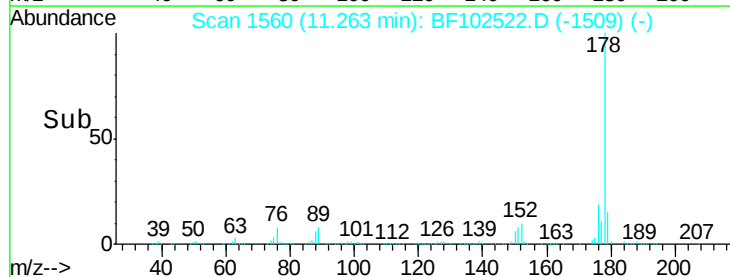
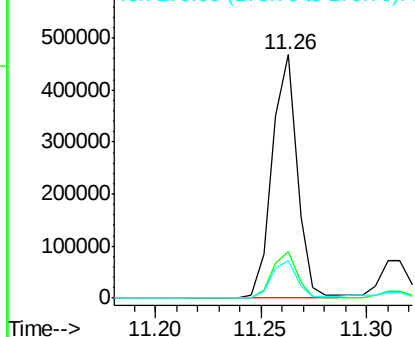


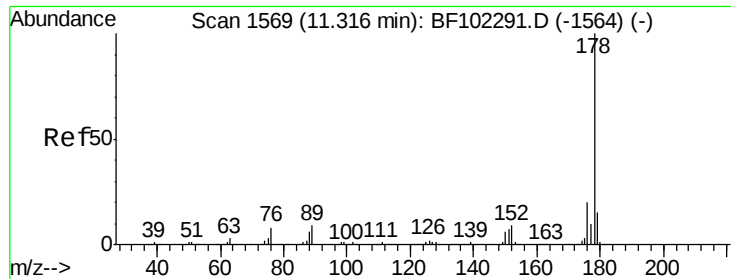
#70  
 Phenanthrene  
 Concen: 17.486 ng  
 RT: 11.26 min Scan# 1560  
 Delta R.T. 0.00 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

Tgt Ion:178 Resp: 386646  
 Ion Ratio Lower Upper  
 178 100  
 176 19.2 15.8 23.8  
 179 15.6 13.0 19.6



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

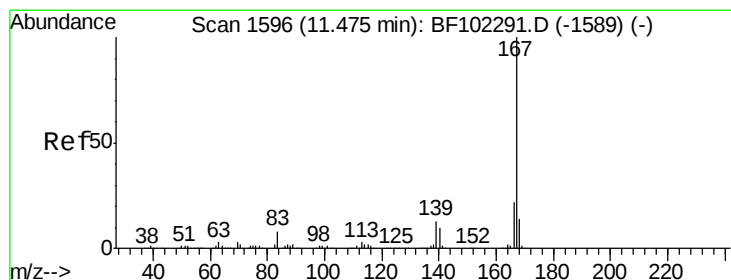
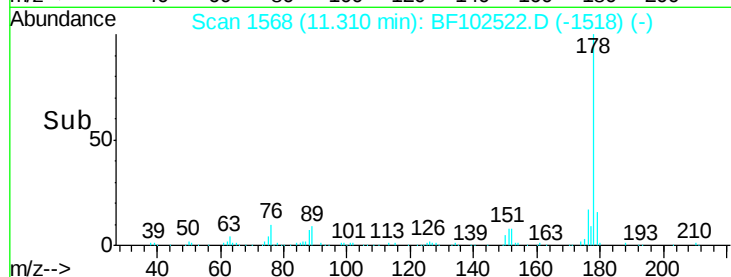
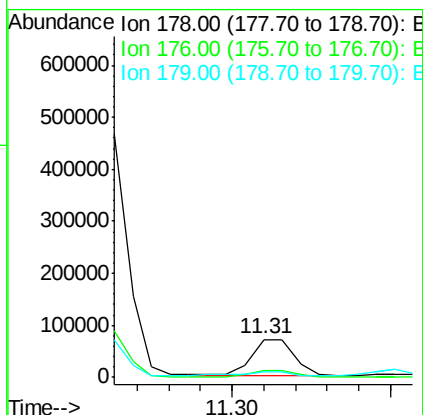
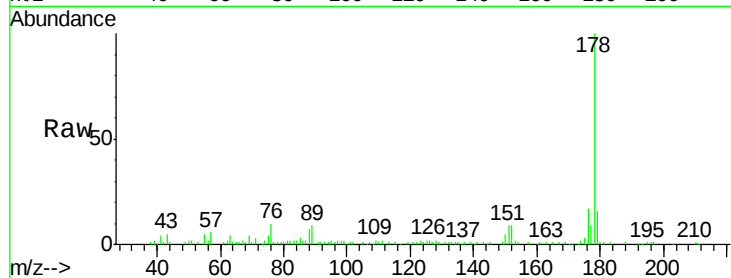




#71  
 Anthracene  
 Concen: 2.953 ng  
 RT: 11.31 min Scan# 1568  
 Delta R.T. -0.01 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

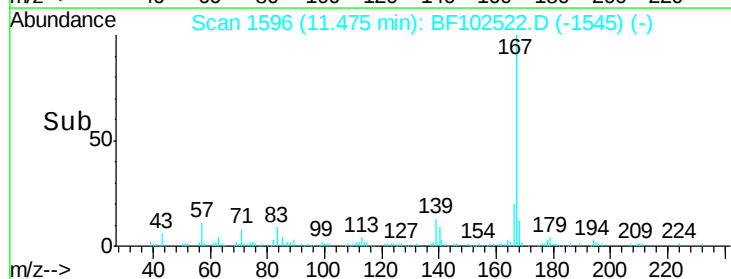
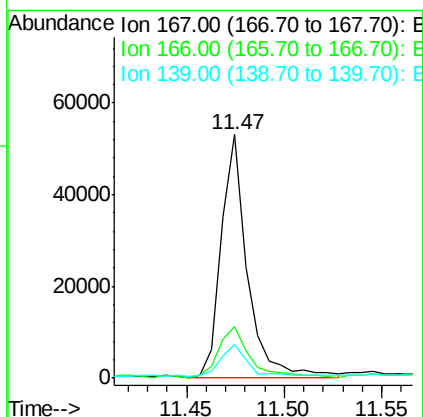
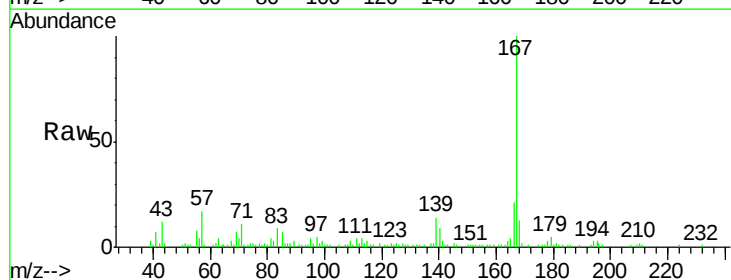
Instrument :  
 BNA\_F  
 ClientSampleId :

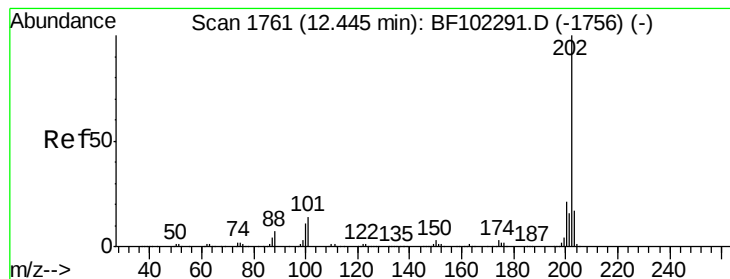
Tgt Ion:178 Resp: 66652  
 Ion Ratio Lower Upper  
 178 100  
 176 17.0 15.4 23.2  
 179 16.0 12.6 19.0



#72  
 Carbazole  
 Concen: 2.274 ng  
 RT: 11.47 min Scan# 1596  
 Delta R.T. 0.00 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

Tgt Ion:167 Resp: 50069  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 17.6 26.4  
 139 13.9 10.9 16.3





#74

Fluoranthene

Concen: 23.469 ng

RT: 12.45 min Scan# 1762

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampleId :

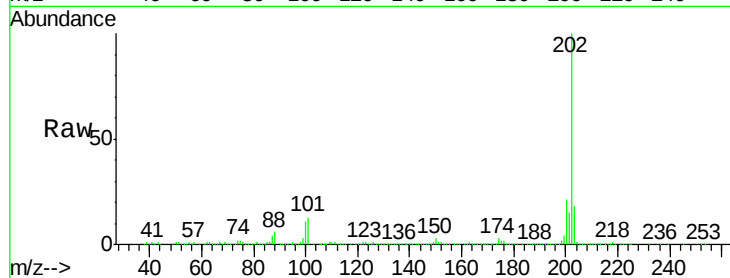
Tgt Ion:202 Resp: 529205

Ion Ratio Lower Upper

202 100

101 13.3 0.0 34.1

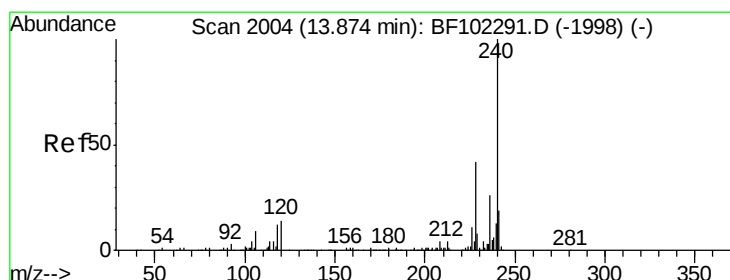
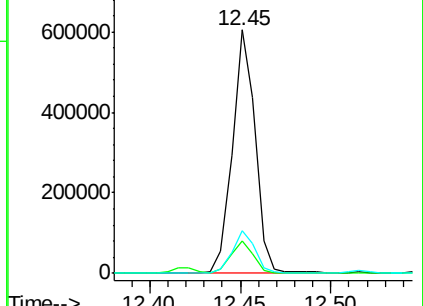
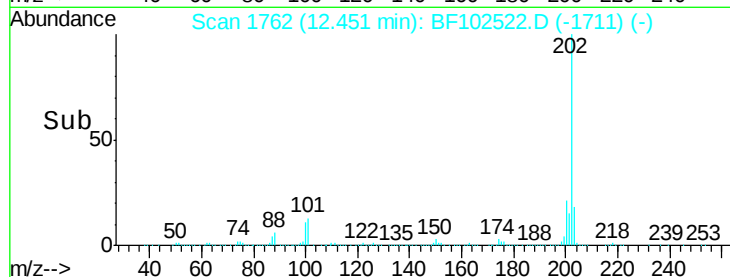
203 17.6 0.0 38.1



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



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

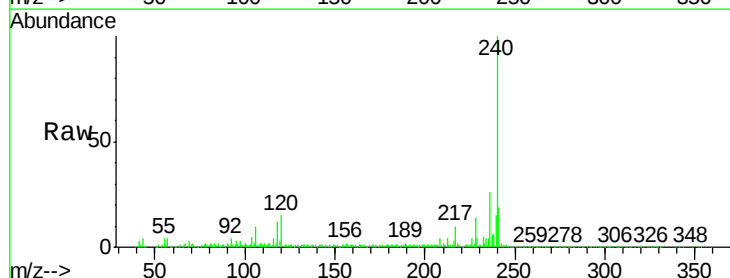
Tgt Ion:240 Resp: 286976

Ion Ratio Lower Upper

240 100

120 14.9 9.5 14.3#

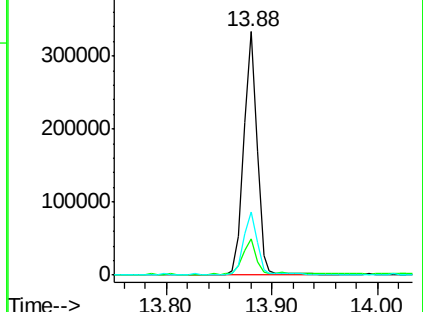
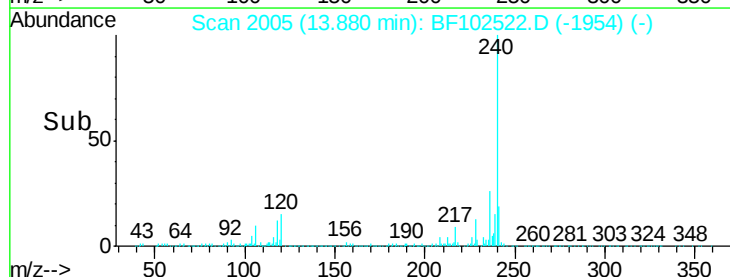
236 25.7 20.7 31.1

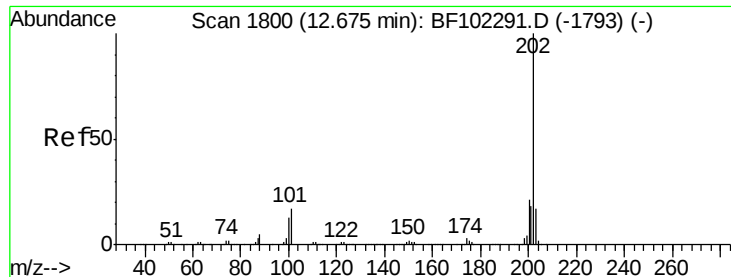


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 19.406 ng

RT: 12.68 min Scan# 1801

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampleId :

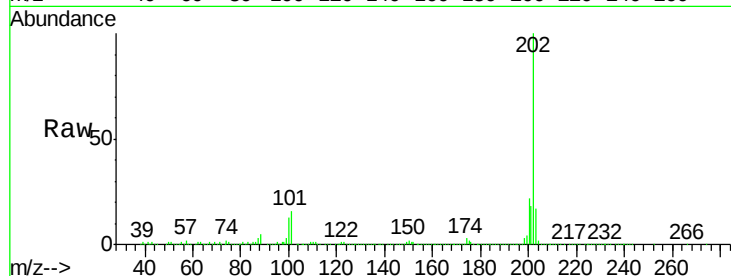
Tgt Ion:202 Resp: 430573

Ion Ratio Lower Upper

202 100

200 21.5 17.4 26.2

203 17.5 14.3 21.5

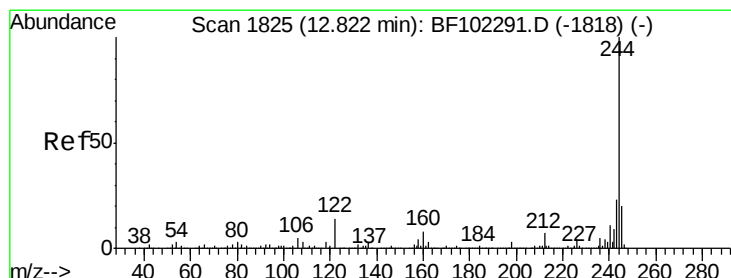
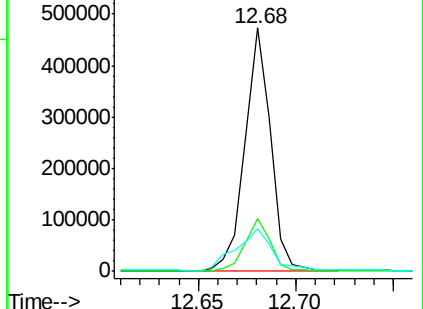
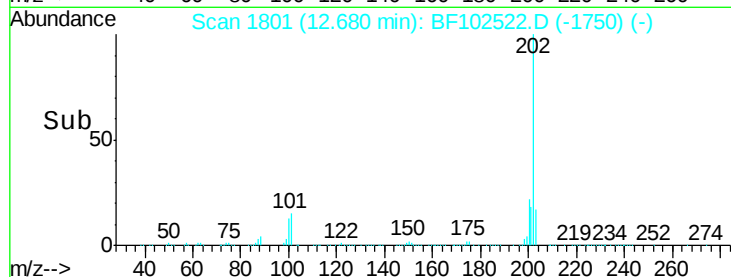


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.68



#78

Terphenyl-d14

Concen: 59.883 ng

RT: 12.82 min Scan# 1825

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

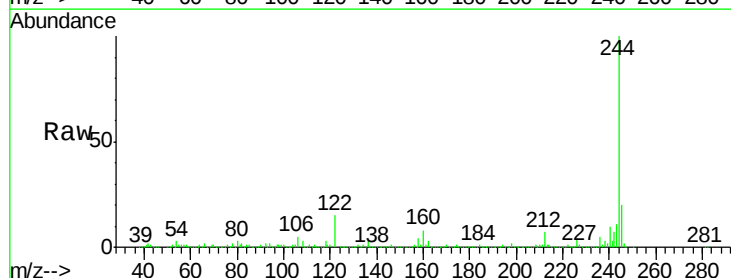
Tgt Ion:244 Resp: 762304

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 15.1 11.0 16.4

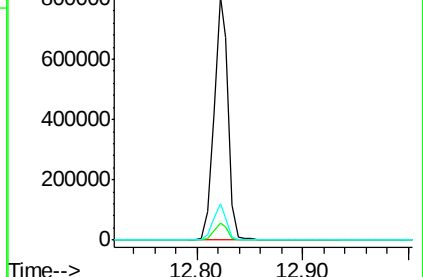
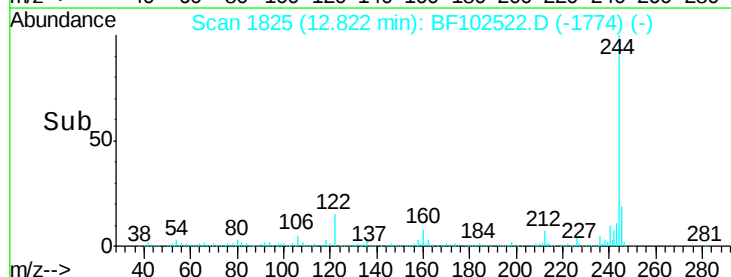


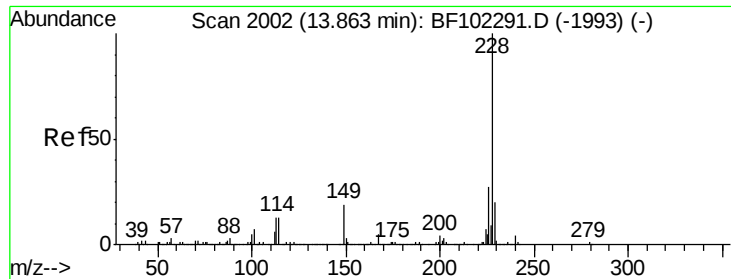
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.82





#80

Benzo(a)anthracene

Concen: 12.404 ng

RT: 13.87 min Scan# 2003

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampleId :

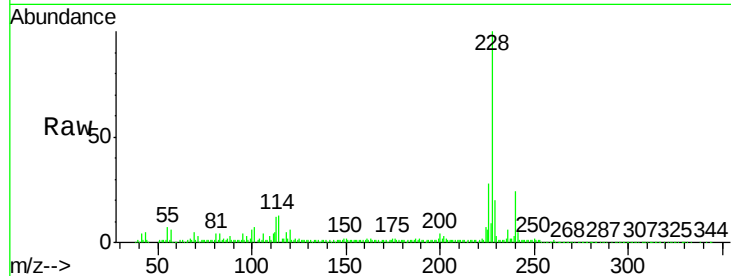
Tgt Ion:228 Resp: 219158

Ion Ratio Lower Upper

228 100

226 27.6 22.6 33.8

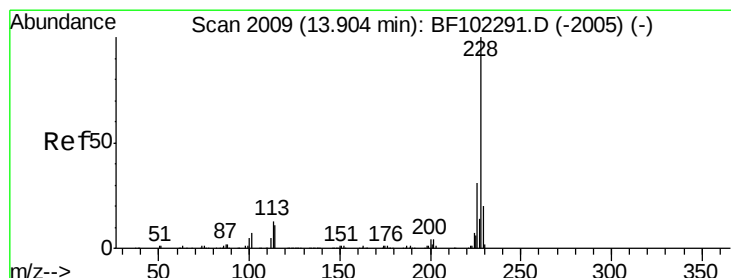
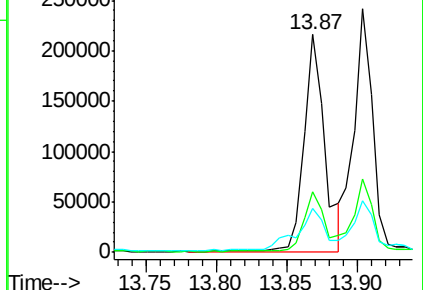
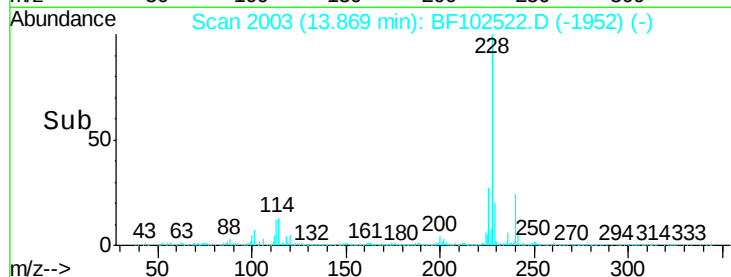
229 20.2 15.8 23.6



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



#82

Chrysene

Concen: 12.527 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

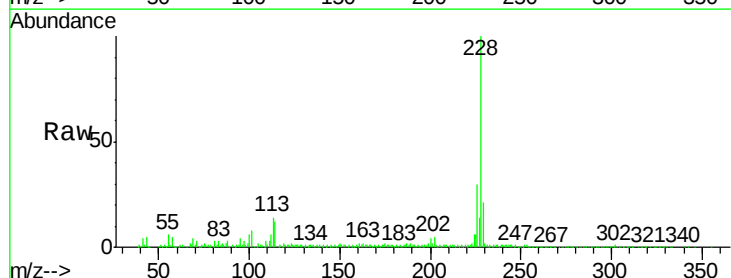
Tgt Ion:228 Resp: 224766

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

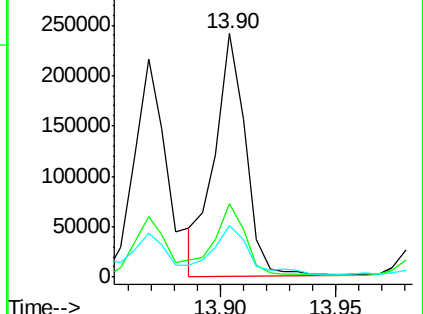
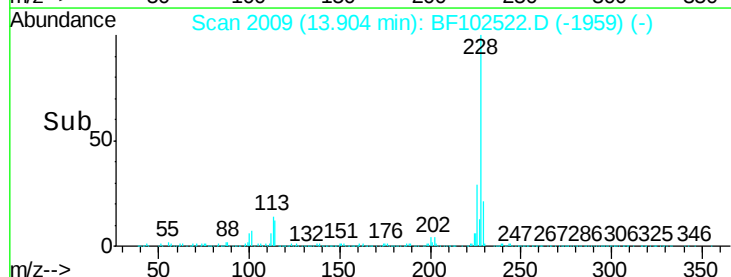
229 21.4 16.2 24.4

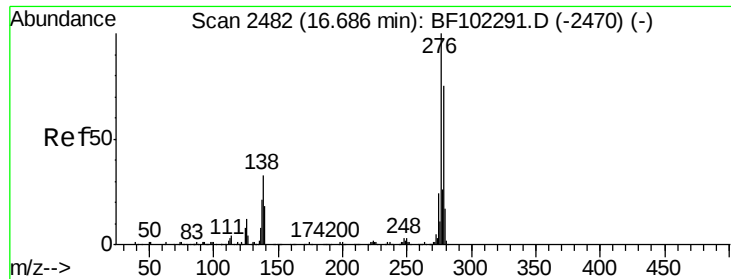


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

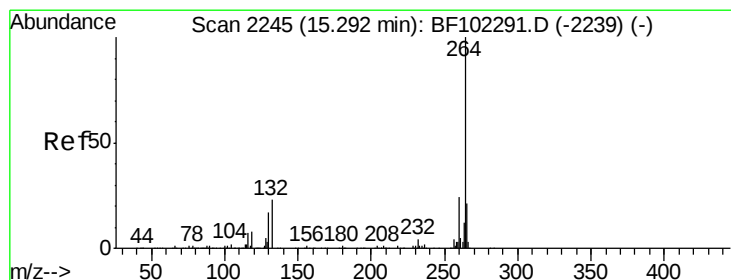
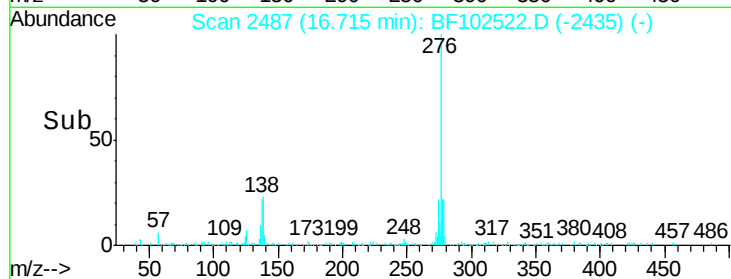
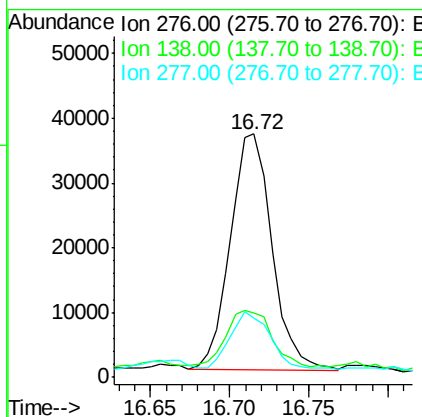
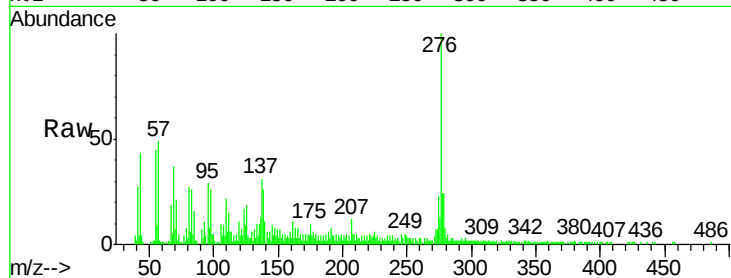




#85  
 Indeno(1,2,3-cd)pyrene  
 Concen: 4.490 ng  
 RT: 16.72 min Scan# 2487  
 Delta R.T. 0.01 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

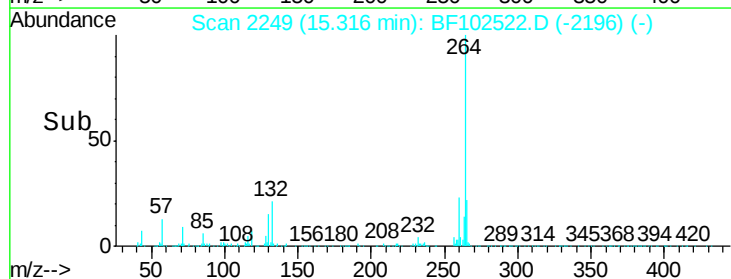
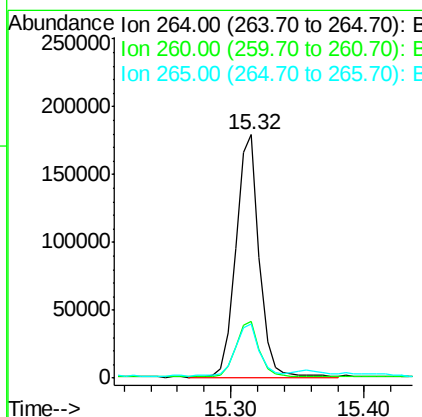
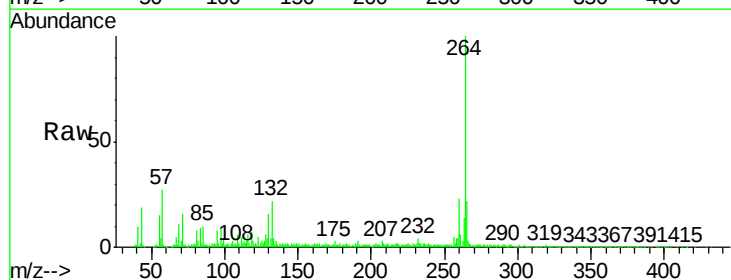
Instrument :  
 BNA\_F  
 ClientSampleId :

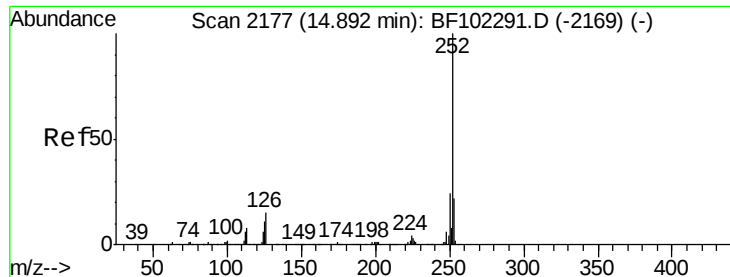
Tgt Ion: 276 Resp: 66527  
 Ion Ratio Lower Upper  
 276 100  
 138 28.3 25.0 37.6  
 277 23.7 20.1 30.1



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.32 min Scan# 2249  
 Delta R.T. 0.01 min  
 Lab File: BF102522.D  
 Acq: 27 Jan 2018 20:42

Tgt Ion: 264 Resp: 216408  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.2 28.8  
 265 22.4 17.5 26.3

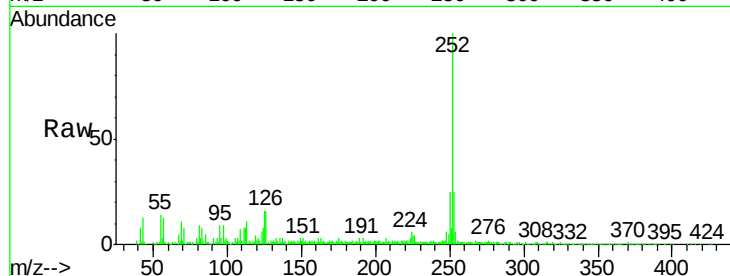




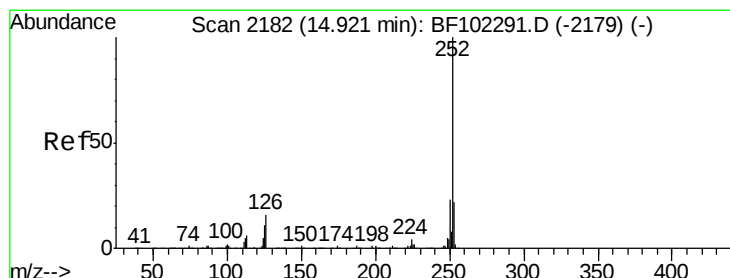
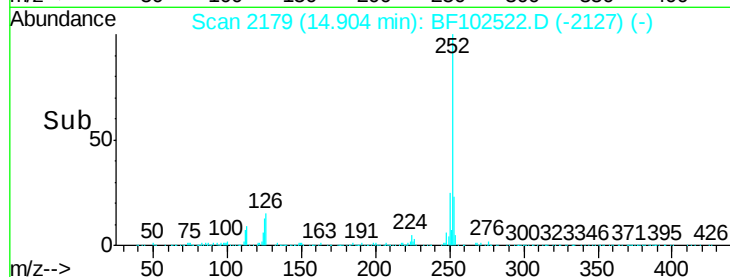
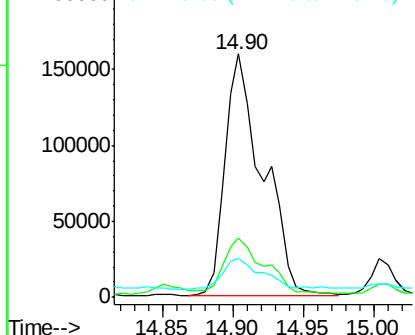
#87  
Benzo(b)fluoranthene  
Concen: 21.197 ng  
RT: 14.90 min Scan# 2179  
Delta R.T. 0.01 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

Instrument :  
BNA\_F  
ClientSampleId :

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.6  | 17.0  | 25.6  |
| 125     | 16.2  | 9.0   | 13.6  |

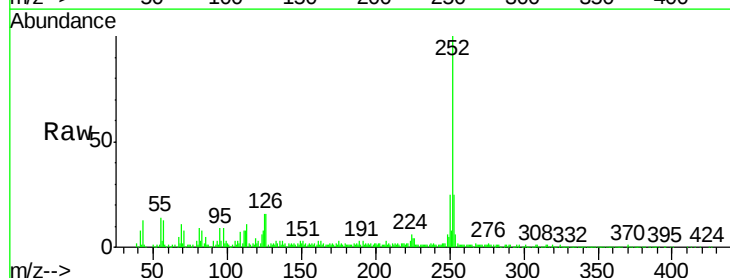


Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E

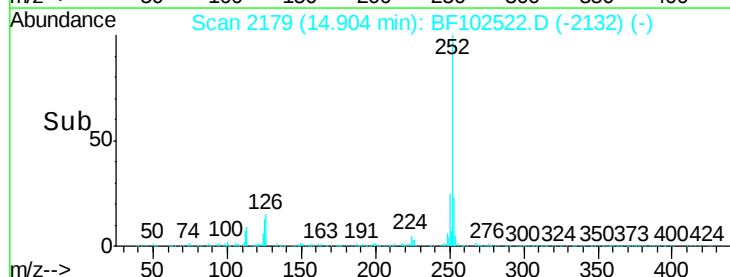
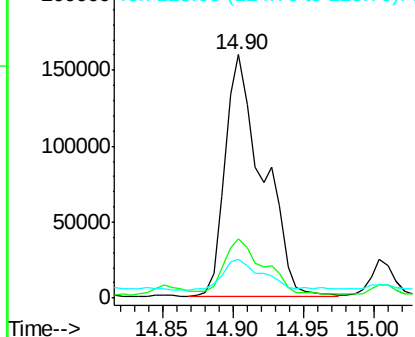


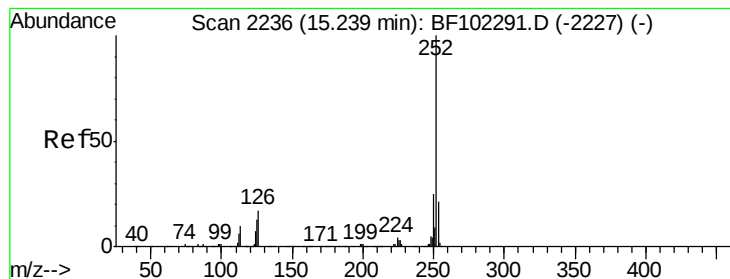
#88  
Benzo(k)fluoranthene  
Concen: 22.436 ng  
RT: 14.90 min Scan# 2179  
Delta R.T. -0.02 min  
Lab File: BF102522.D  
Acq: 27 Jan 2018 20:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.6  | 17.9  | 26.9  |
| 125     | 16.2  | 10.2  | 15.2  |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.515 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.00 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

Instrument :

BNA\_F

ClientSampled :

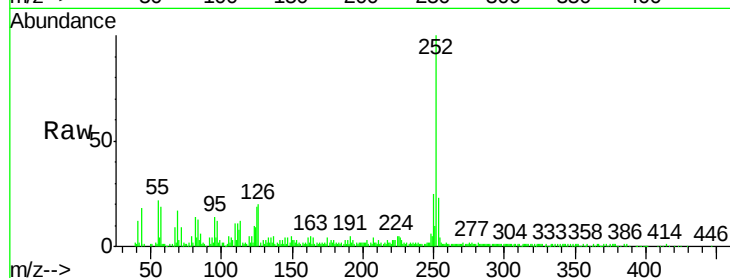
Tgt Ion:252 Resp: 133022

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

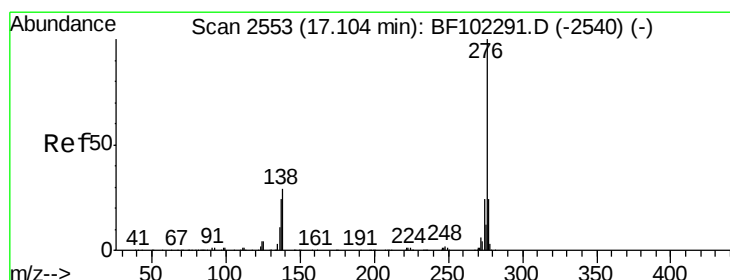
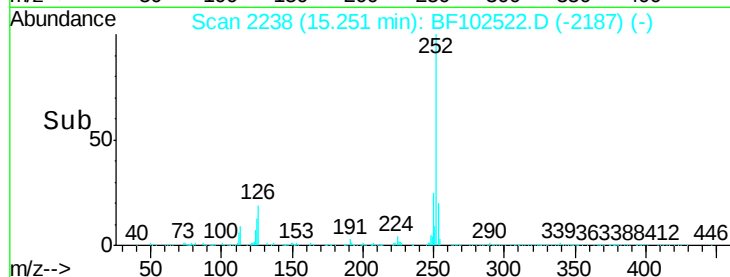
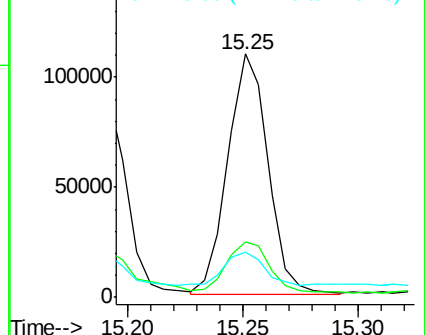
125 18.7 9.8 14.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.076 ng

RT: 17.14 min Scan# 2559

Delta R.T. 0.01 min

Lab File: BF102522.D

Acq: 27 Jan 2018 20:42

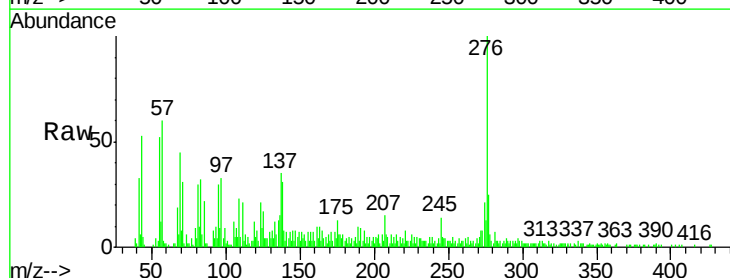
Tgt Ion:276 Resp: 61480

Ion Ratio Lower Upper

276 100

277 25.4 17.9 26.9

138 31.1 21.8 32.8



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

