

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\  
 Data File : BF111845.D  
 Acq On : 4 Jan 2019 15:31  
 Operator : JU/SJ  
 Sample : K1017-01RE  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jan 04 17:54:59 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 04 15:03:59 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.89  | 152  | 224353   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.17  | 136  | 834666   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 9.93  | 164  | 400280   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 11.42 | 188  | 627006   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 14.06 | 240  | 512076   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 15.54 | 264  | 462832   | 20.00 | ng    | 0.00     |

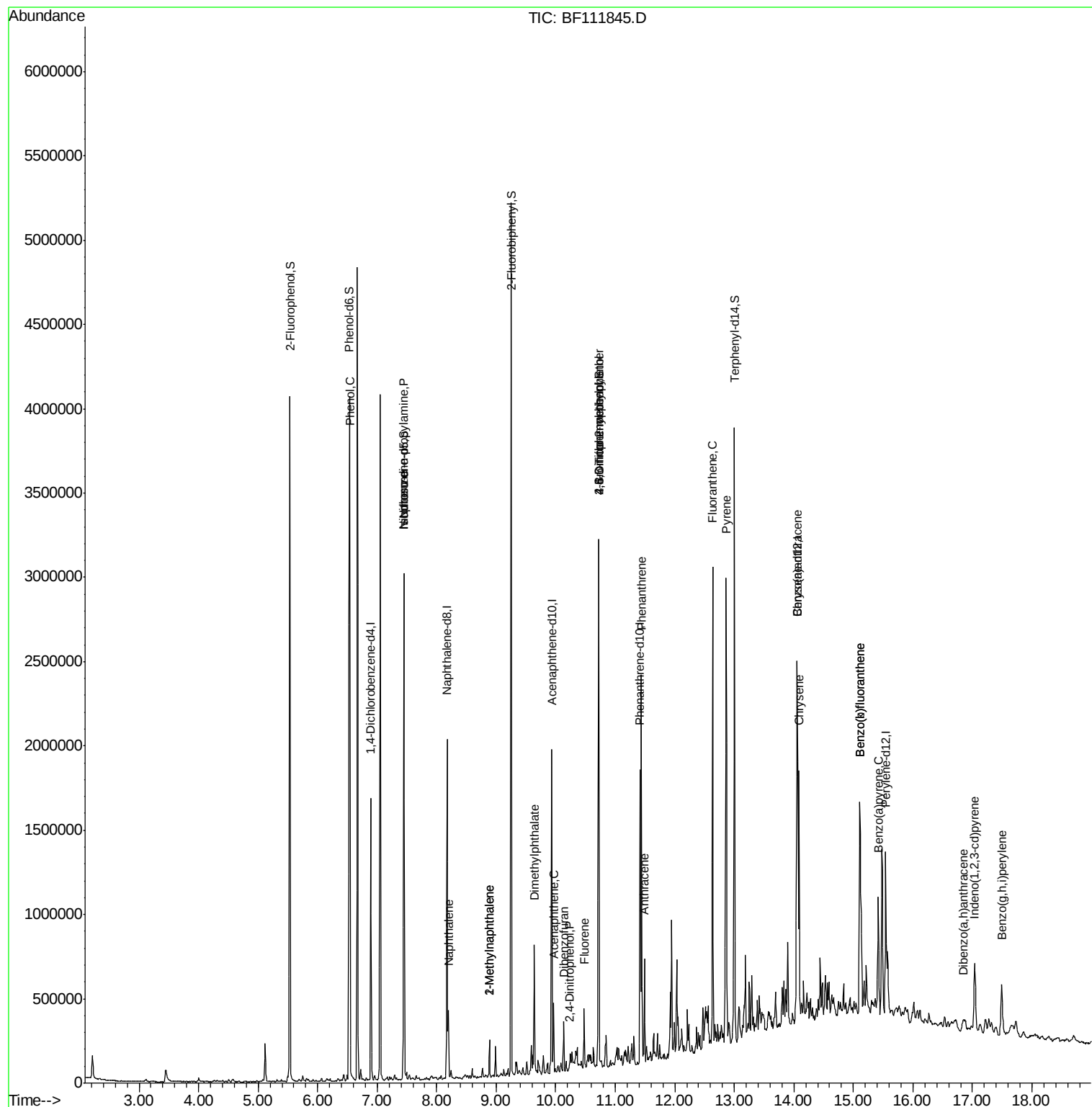
| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 5) 2-Fluorophenol           | 5.53  | 112  | 1158645  | 88.03 | ng    | 0.00     |
| 7) Phenol-d6                | 6.53  | 99   | 1511744  | 90.25 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.45  | 82   | 938412   | 65.44 | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol    | 10.72 | 330  | 392274   | 82.94 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl        | 9.25  | 172  | 1556440  | 56.68 | ng    | 0.00     |
| 79) Terphenyl-d14           | 13.00 | 244  | 1239624  | 45.91 | ng    | -0.01    |

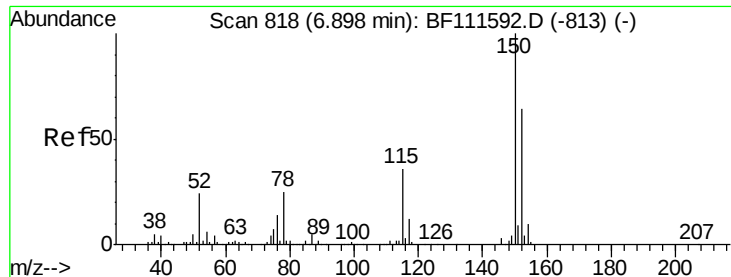
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 10) Phenol                     | 6.55  | 94   | 73218    | 3.874  | ng    | 96     |
| 19) n-Nitroso-di-n-propylamine | 7.45  | 70   | 127229   | 11.437 | ng    | # 78   |
| 25) Isophorone                 | 7.45  | 82   | 934221   | 36.699 | ng    | # 64   |
| 31) Naphthalene                | 8.20  | 128  | 156599   | 3.905  | ng    | 95     |
| 37) 2-Methylnaphthalene        | 8.89  | 142  | 54248    | 2.079  | ng    | 96     |
| 38) 1-Methylnaphthalene        | 8.89  | 142  | 54248    | 2.165  | ng    | 100    |
| 50) Dimethylphthalate          | 9.64  | 163  | 263795   | 9.012  | ng    | 97     |
| 52) Acenaphthene               | 9.96  | 154  | 76881    | 3.189  | ng    | 98     |
| 54) 2,4-Dinitrophenol          | 10.22 | 184  | 517      | 7.558  | ng    | # 12   |
| 55) Dibenzofuran               | 10.13 | 168  | 83421    | 2.290  | ng    | 95     |
| 58) Fluorene                   | 10.47 | 166  | 84321    | 3.213  | ng    | 99     |
| 65) 4,6-Dinitro-2-methylphenol | 10.72 | 198  | 790      | 6.955  | ng    | # 1    |
| 67) 4-Bromophenyl-phenylether  | 10.72 | 248  | 24128    | 3.103  | ng    | # 1    |
| 71) Phenanthrene               | 11.44 | 178  | 894483   | 26.900 | ng    | 95     |
| 72) Anthracene                 | 11.49 | 178  | 216894   | 6.498  | ng    | 94     |
| 75) Fluoranthene               | 12.64 | 202  | 1161122  | 34.482 | ng    | 95     |
| 78) Pyrene                     | 12.86 | 202  | 1147986  | 31.746 | ng    | 96     |
| 81) Benzo(a)anthracene         | 14.05 | 228  | 619138   | 21.186 | ng    | 99     |
| 83) Chrysene                   | 14.09 | 228  | 584511   | 20.350 | ng    | 98     |
| 86) Indeno(1,2,3-cd)pyrene     | 17.04 | 276  | 272250   | 11.150 | ng    | # 84   |
| 88) Benzo(b)fluoranthene       | 15.11 | 252  | 955603   | 35.328 | ng    | 97     |
| 89) Benzo(k)fluoranthene       | 15.11 | 252  | 955603   | 37.108 | ng    | 98     |
| 90) Benzo(a)pyrene             | 15.42 | 252  | 342098   | 13.921 | ng    | 98     |
| 91) Dibenzo(a,h)anthracene     | 16.84 | 278  | 52169    | 2.424  | ng    | 95     |
| 92) Benzo(g,h,i)perylene       | 17.49 | 276  | 249493   | 11.873 | ng    | # 88   |

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Jan 04 15:03:59 2019  
Response via : Initial Calibration

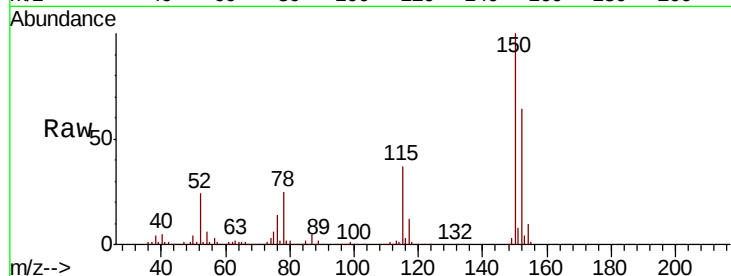




#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.89 min Scan# 817  
Delta R.T. -0.01 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 156.3 | 126.6 | 189.8 |
| 115     | 58.2  | 50.7  | 76.1  |

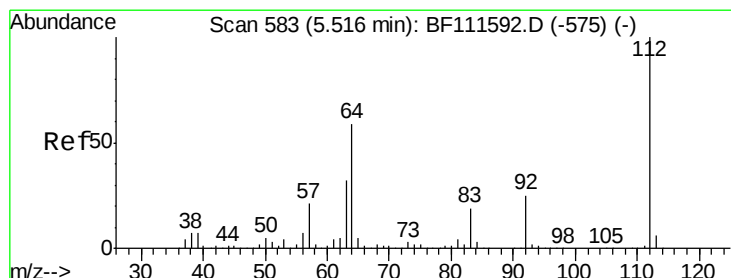
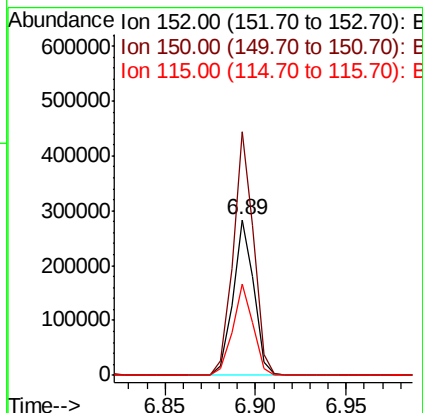
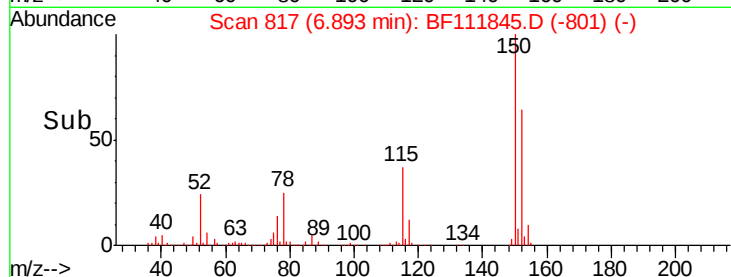


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

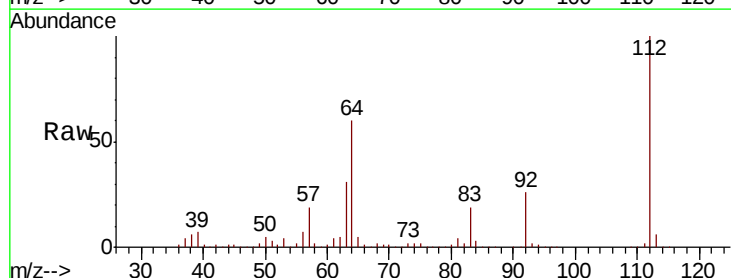
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 88.029 ng  
RT: 5.53 min Scan# 586  
Delta R.T. 0.01 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 59.7  | 51.8  | 77.6  |
| 63      | 31.2  | 26.8  | 40.2  |

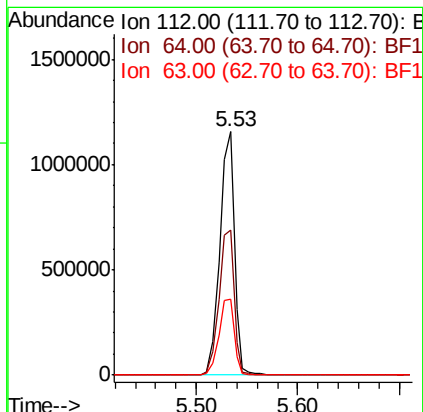
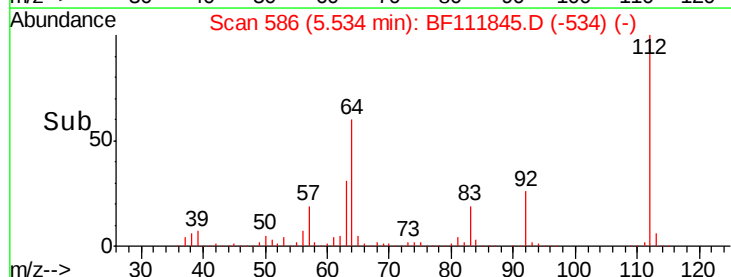


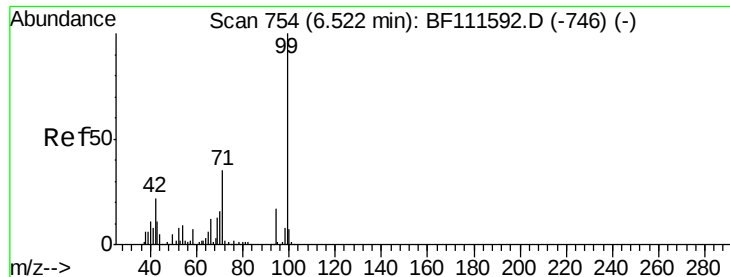
Abundance

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: 90.249 ng

RT: 6.53 min Scan# 756

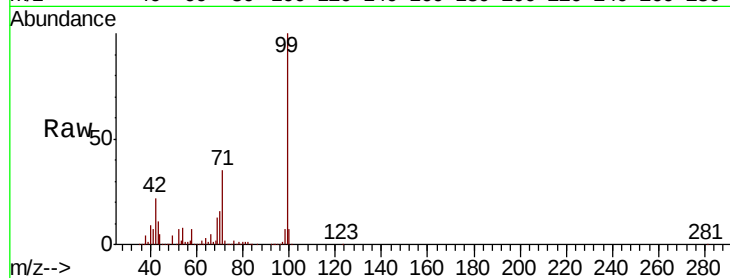
Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

Tot Ion: 99 Resp: 1511744

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 22.0  | 17.4  | 26.0  |
| 71  | 34.9  | 26.1  | 39.1  |

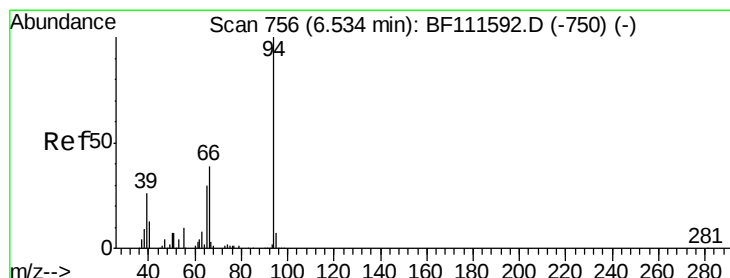
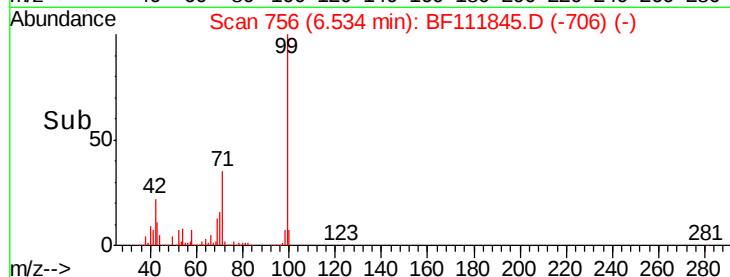
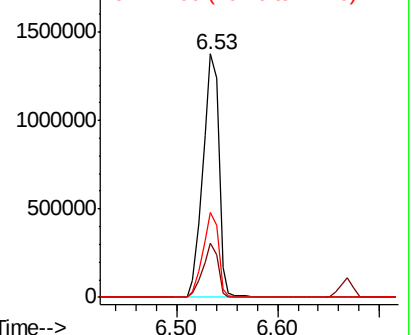


Abundance

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: 3.874 ng

RT: 6.55 min Scan# 758

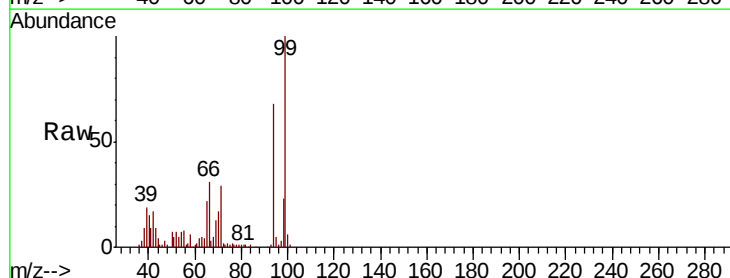
Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

Tgt Ion: 94 Resp: 73218

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 31.7  | 11.7  | 51.7  |
| 66  | 45.9  | 21.0  | 61.0  |

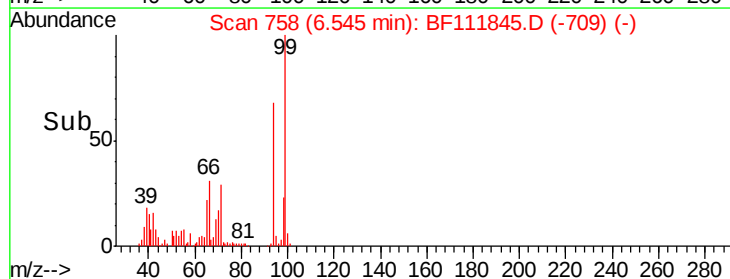
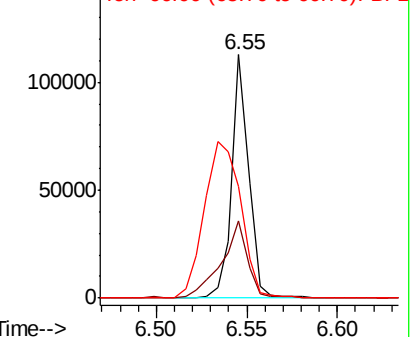


Abundance

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: 11.437 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

Tot Ion: 70 Resp: 127229

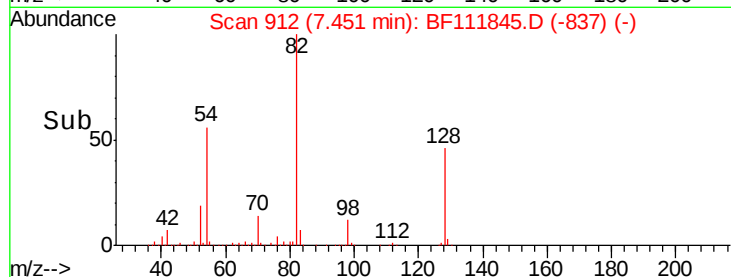
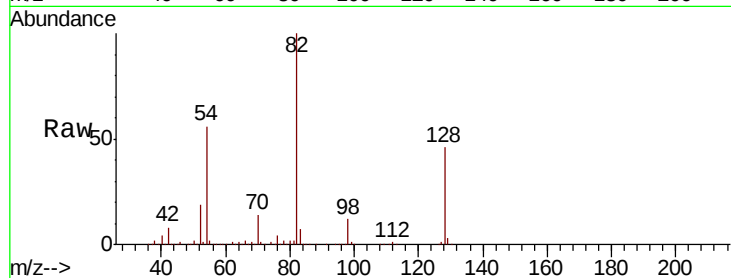
Ion Ratio Lower Upper

70 100

42 55.5 53.2 79.8

101 0.0 8.2 12.4#

130 2.3 18.1 27.1#

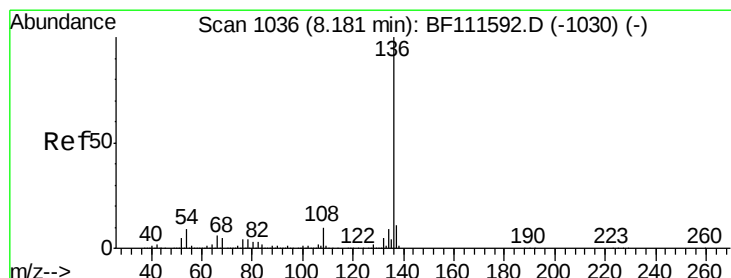
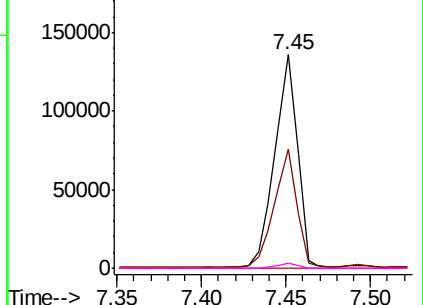


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

Tgt Ion: 136 Resp: 834666

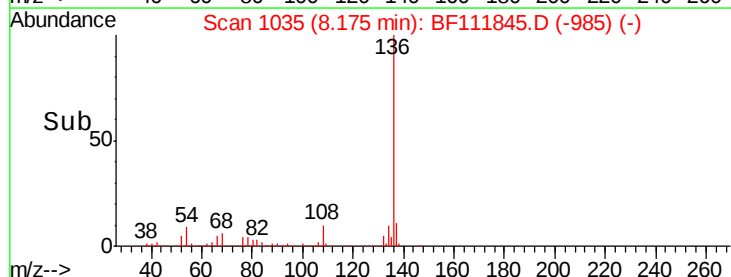
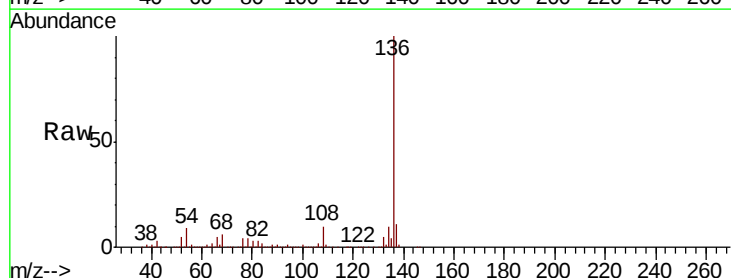
Ion Ratio Lower Upper

136 100

137 11.2 9.1 13.7

54 9.2 7.7 11.5

68 5.7 4.9 7.3

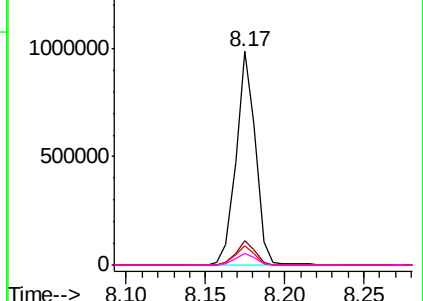


Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

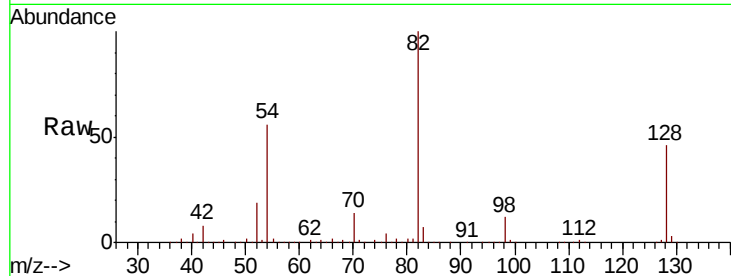
Ion 68.00 (67.70 to 68.70): BF1



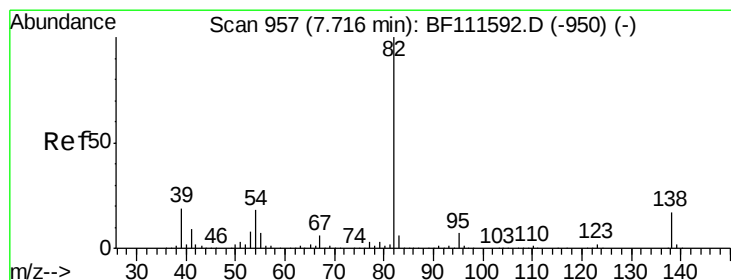
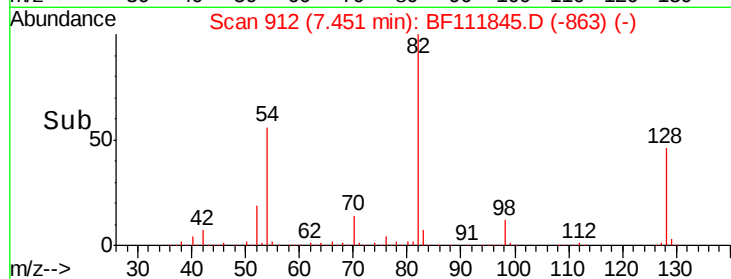
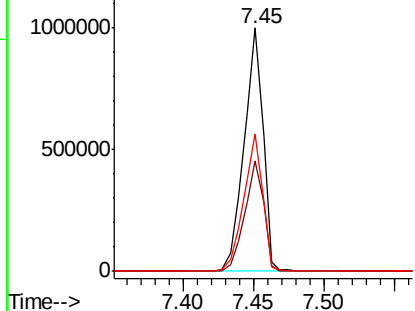


#23  
Nitrobenzene-d5  
Concen: 65.443 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.01 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

| Tot Ion   | 82   | Resp  | 938412 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 45.5 | 37.4  | 56.2   |
| 54        | 56.3 | 47.6  | 71.4   |

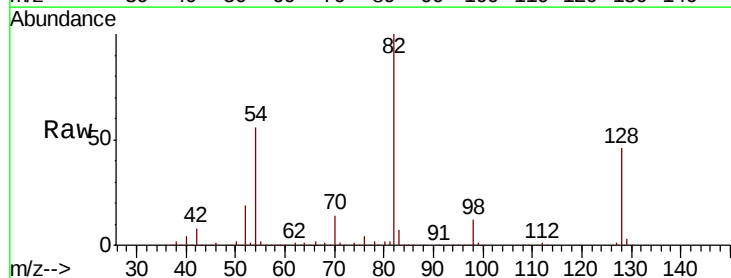


Abundance Ion 82.00 (81.70 to 82.70): BF1  
Ion 128.00 (127.70 to 128.70): BF1  
Ion 54.00 (53.70 to 54.70): BF1

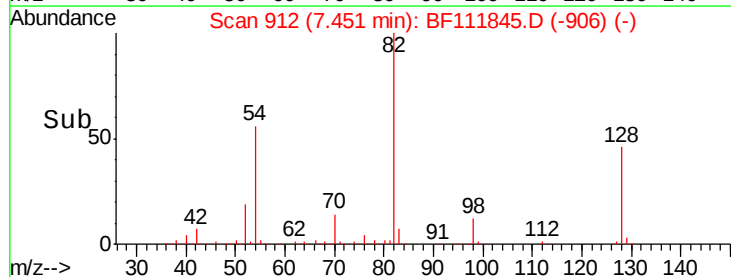
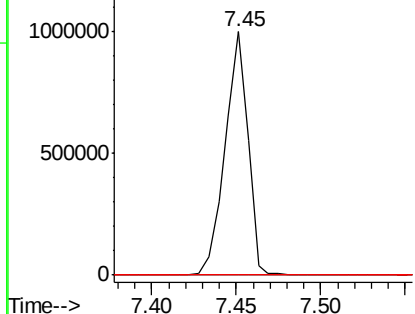


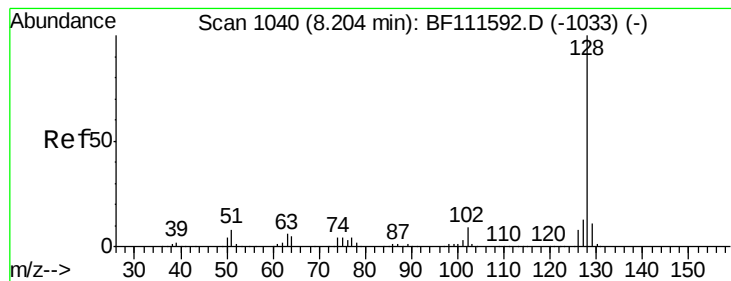
#25  
Isophorone  
Concen: 36.699 ng  
RT: 7.45 min Scan# 912  
Delta R.T. -0.26 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

| Tgt Ion   | 82  | Resp  | 934221 |
|-----------|-----|-------|--------|
| Ion Ratio | 100 | Lower | Upper  |
| 95        | 0.1 | 5.4   | 8.2#   |
| 138       | 0.0 | 15.1  | 22.7#  |



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: 3.905 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

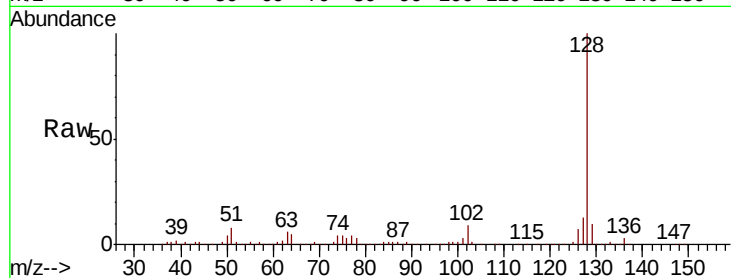
Tot Ion:128 Resp: 156599

Ion Ratio Lower Upper

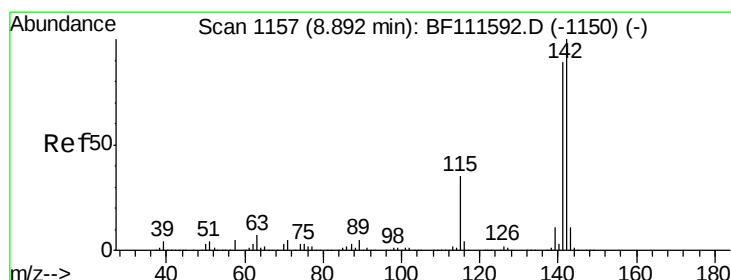
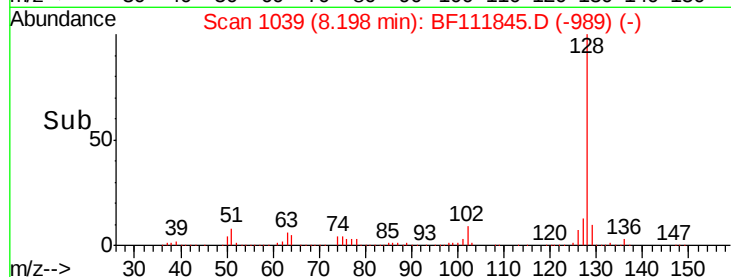
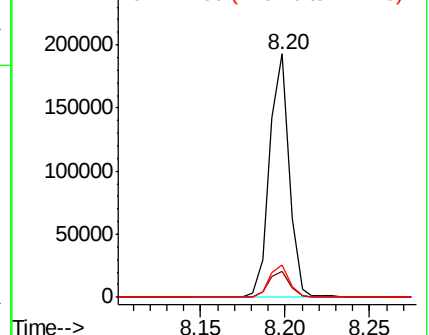
128 100

129 10.5 9.8 14.8

127 13.2 12.0 18.0



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: 2.079 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

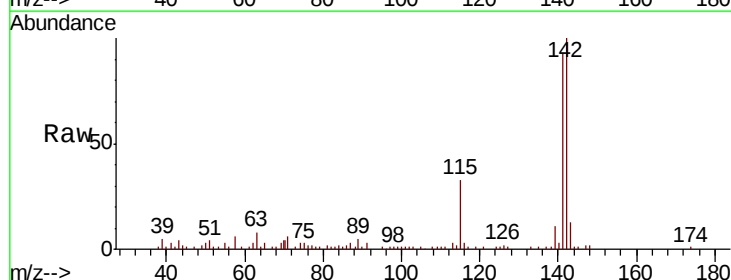
Tgt Ion:142 Resp: 54248

Ion Ratio Lower Upper

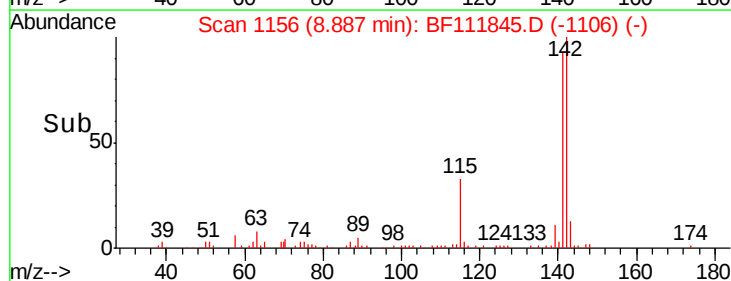
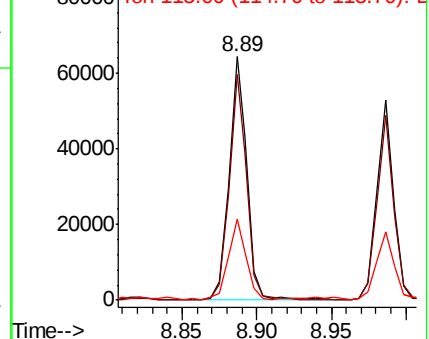
142 100

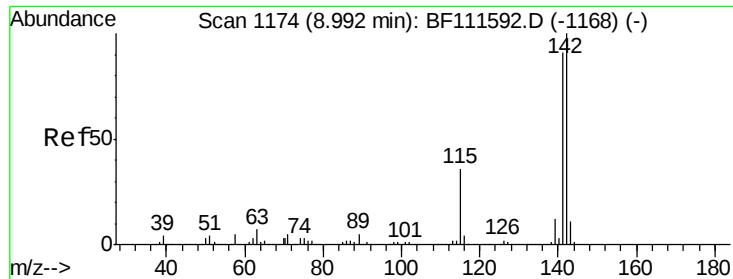
141 92.5 70.6 105.8

115 33.2 27.0 40.6



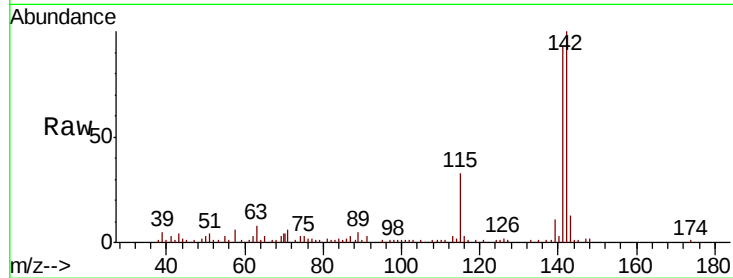
Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 115.00 (114.70 to 115.70): E



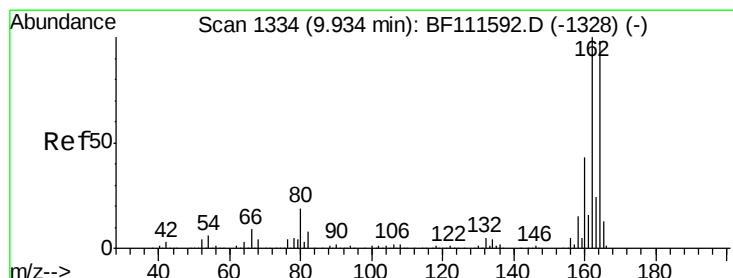
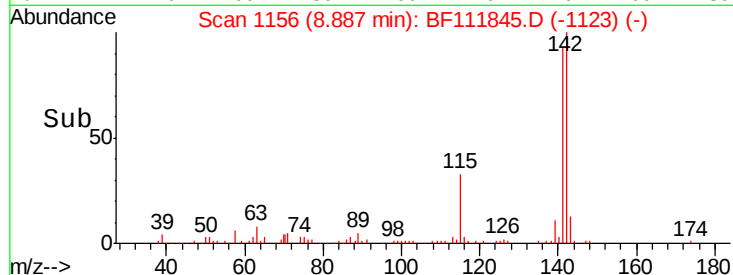
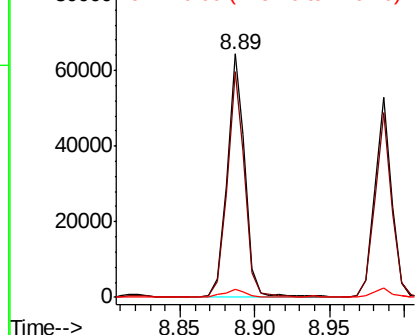


#38  
1-Methylnaphthalene  
Concen: 2.165 ng  
RT: 8.89 min Scan# 1156  
Delta R.T. -0.11 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

Tot Ion:142 Resp: 54248  
Ion Ratio Lower Upper  
142 100  
141 92.5 74.2 111.4  
116 3.3 2.9 4.3

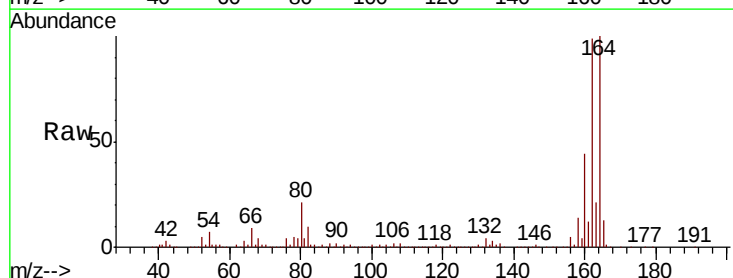


Abundance Ion 142.00 (141.70 to 142.70): E  
Ion 141.00 (140.70 to 141.70): E  
Ion 116.00 (115.70 to 116.70): E

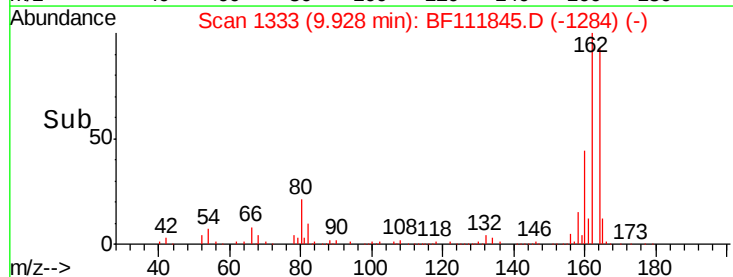
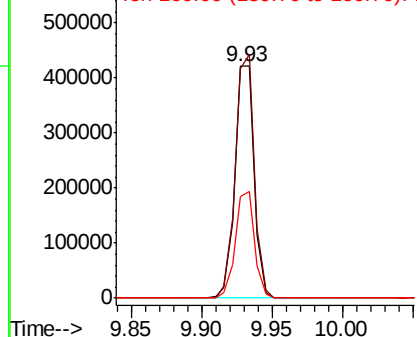


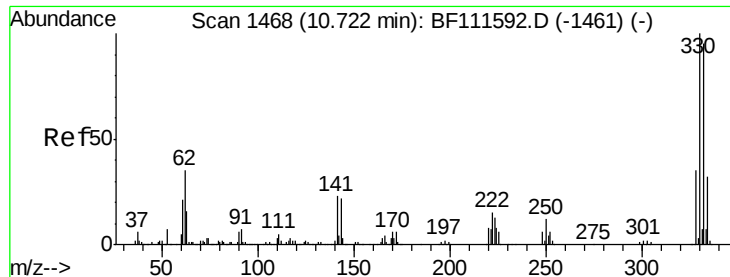
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 9.93 min Scan# 1333  
Delta R.T. -0.01 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

Tgt Ion:164 Resp: 400280  
Ion Ratio Lower Upper  
164 100  
162 99.1 81.4 122.0  
160 43.6 35.7 53.5



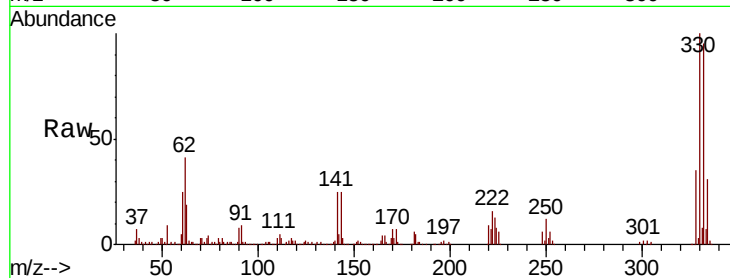
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



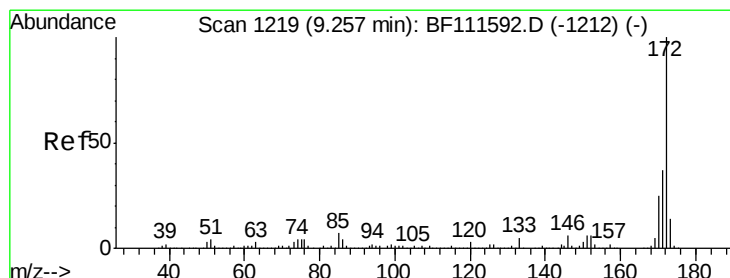
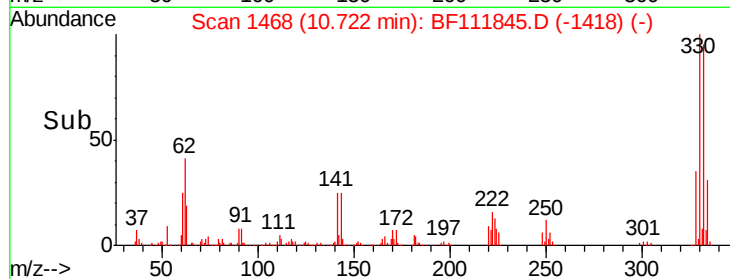
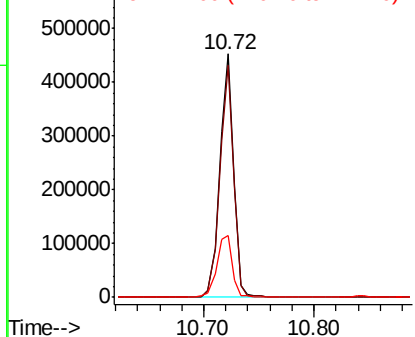


#42  
 2,4,6-Tribromophenol  
 Concen: 82.940 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. -0.01 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

Tot Ion:330 Resp: 392274  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.0 114.0  
 141 28.1 31.0 46.6#

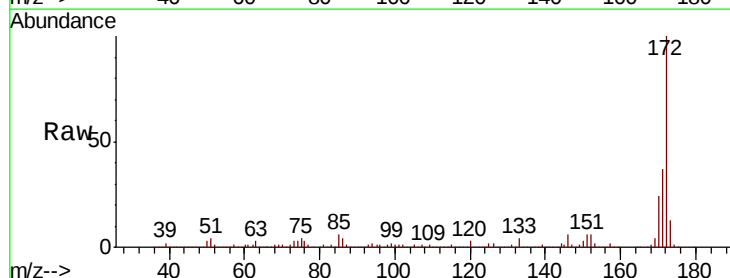


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

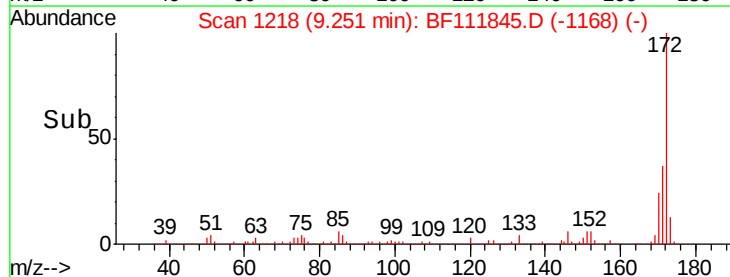
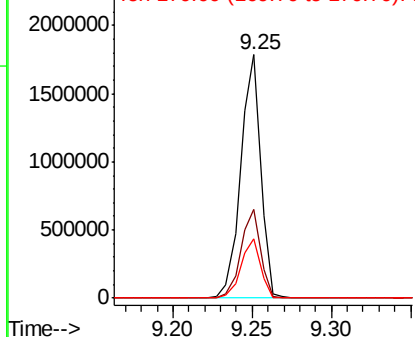


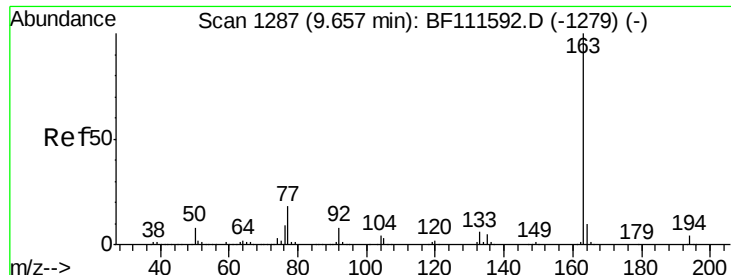
#45  
 2-Fluorobiphenyl  
 Concen: 56.676 ng  
 RT: 9.25 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

Tgt Ion:172 Resp: 1556440  
 Ion Ratio Lower Upper  
 172 100  
 171 36.5 33.0 49.4  
 170 24.4 22.3 33.5



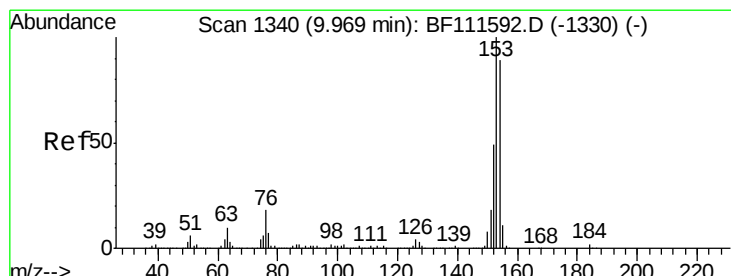
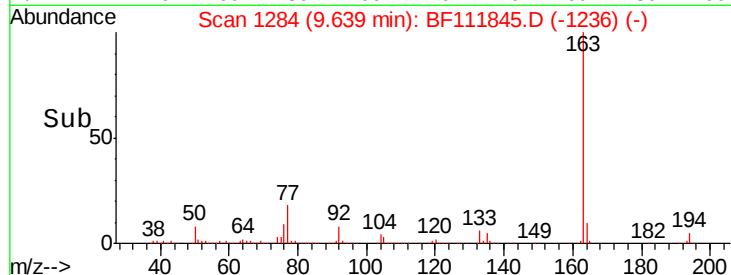
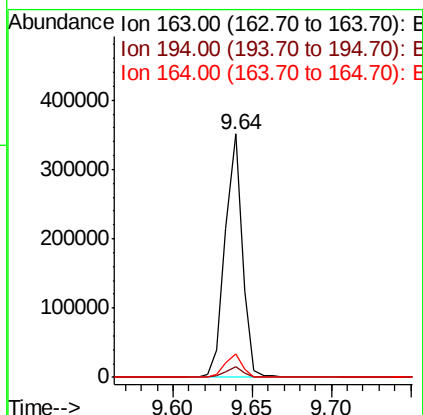
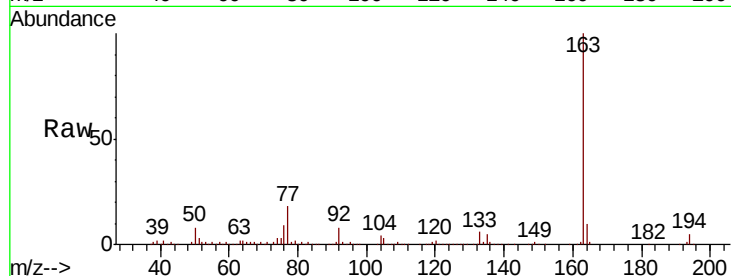
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





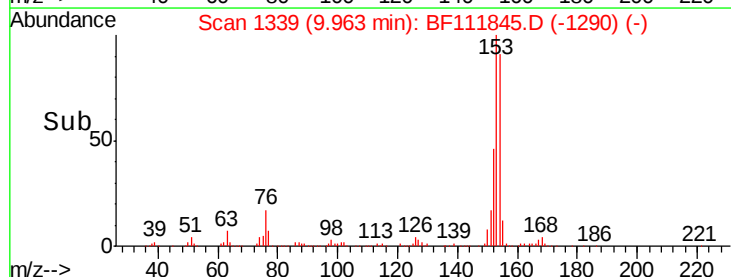
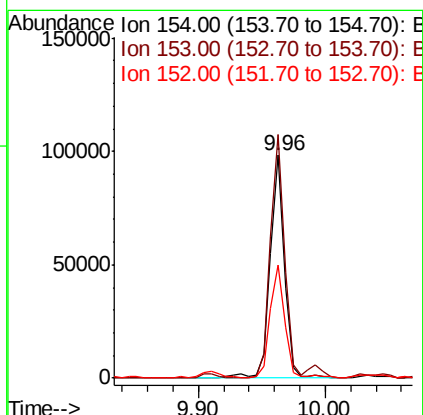
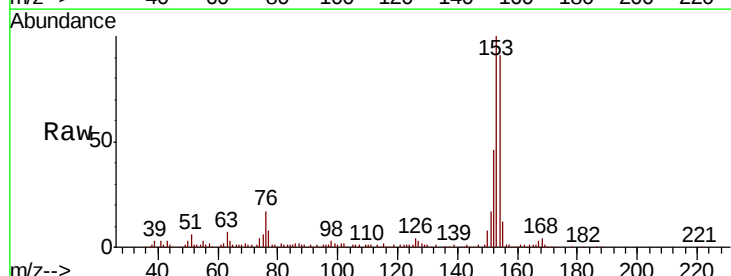
#50  
Dimethylphthalate  
Concen: 9.012 ng  
RT: 9.64 min Scan# 1284  
Delta R.T. -0.02 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

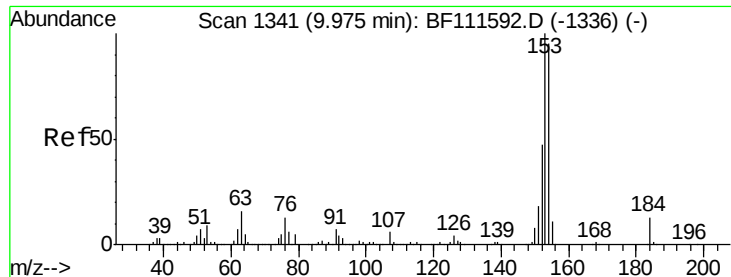
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.5   | 3.0   | 4.6   |
| 164     | 9.8   | 8.9   | 13.3  |



#52  
Acenaphthene  
Concen: 3.189 ng  
RT: 9.96 min Scan# 1339  
Delta R.T. -0.01 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

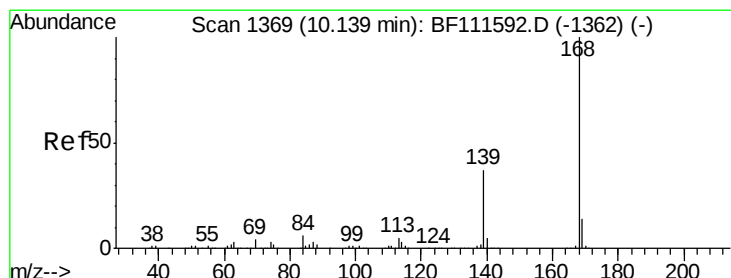
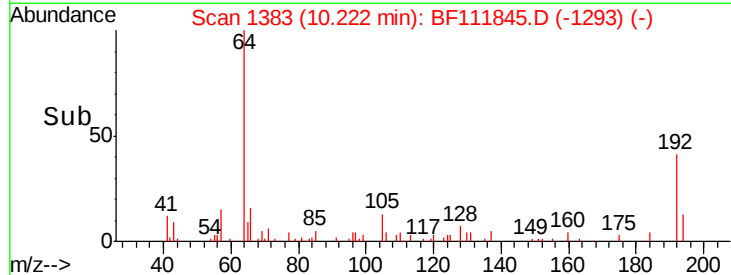
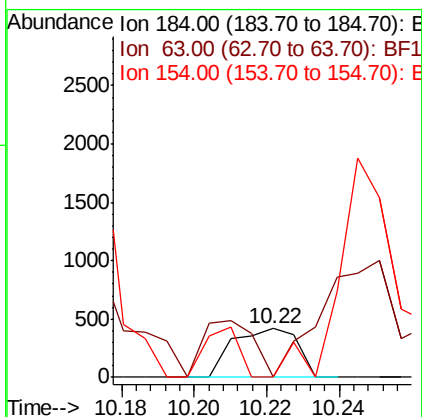
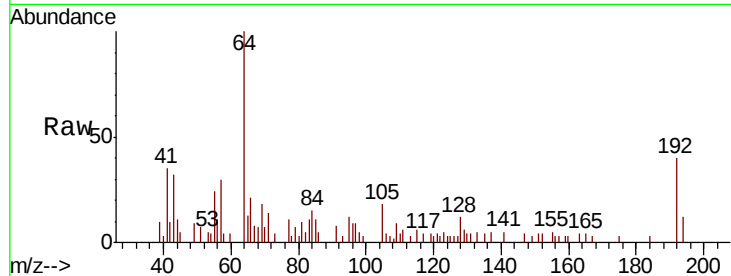
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 109.4 | 87.8  | 131.8 |
| 152     | 50.7  | 43.4  | 65.2  |





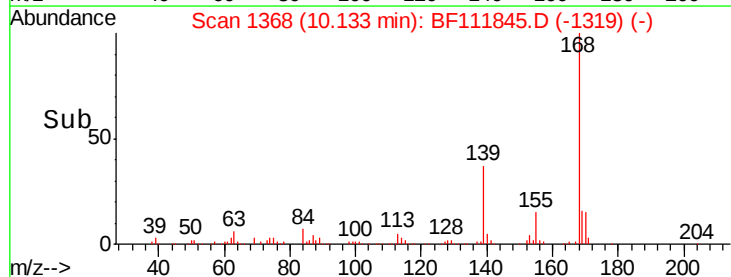
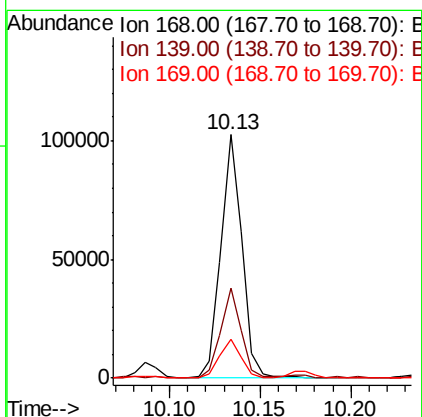
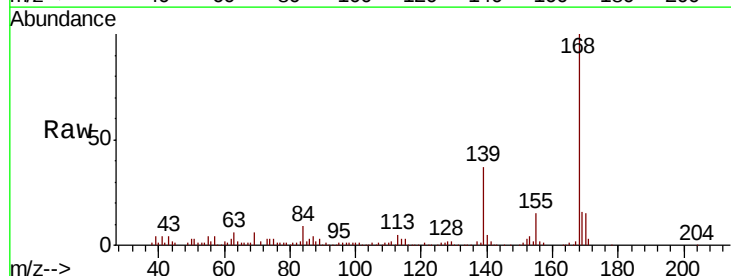
#54  
 2,4-Dinitrophenol  
 Concen: 7.558 ng  
 RT: 10.22 min Scan# 1383  
 Delta R.T. 0.23 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

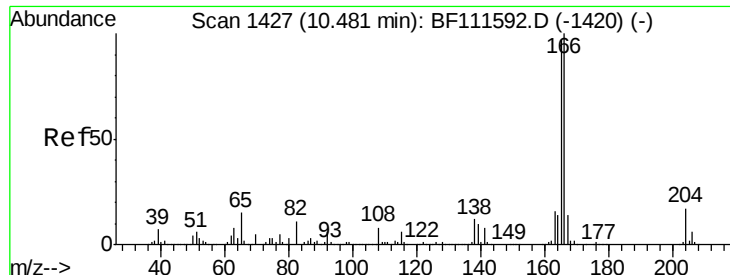
Tot Ion:184 Resp: 517  
 Ion Ratio Lower Upper  
 184 100  
 63 0.0 62.3 93.5#  
 154 0.0 56.2 84.2#



#55  
 Dibenzofuran  
 Concen: 2.290 ng  
 RT: 10.13 min Scan# 1368  
 Delta R.T. -0.01 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

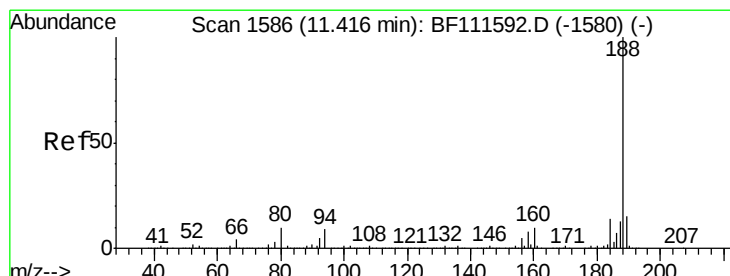
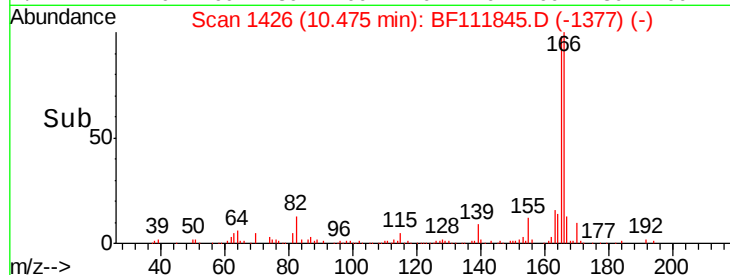
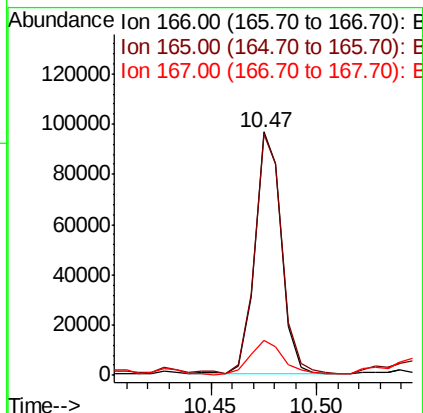
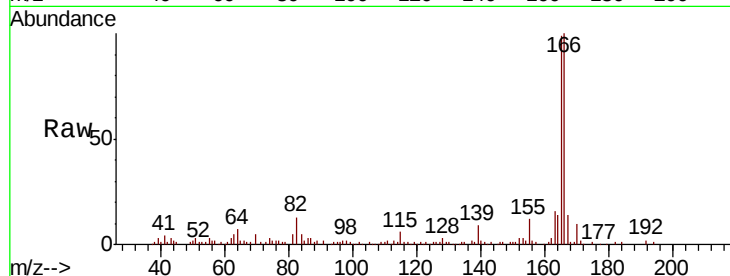
Tgt Ion:168 Resp: 83421  
 Ion Ratio Lower Upper  
 168 100  
 139 37.0 32.6 49.0  
 169 15.8 11.8 17.6





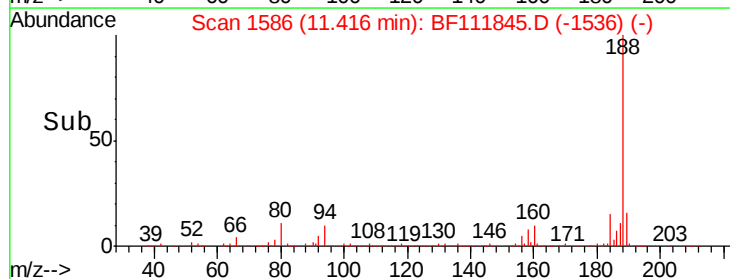
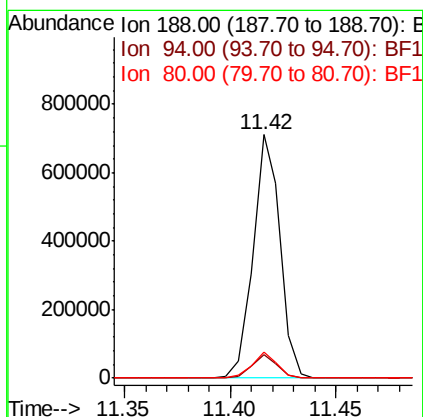
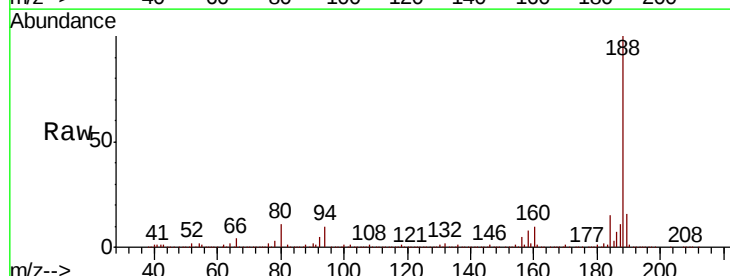
#58  
 Fluorene  
 Concen: 3.213 ng  
 RT: 10.47 min Scan# 1426  
 Delta R.T. -0.01 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

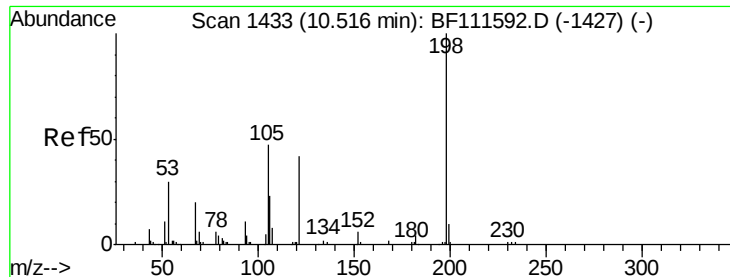
|             |       |       |       |
|-------------|-------|-------|-------|
| Tot Ion:166 | Resp: | 84321 |       |
| Ion Ratio   | Lower | Upper |       |
| 166         | 100   |       |       |
| 165         | 98.9  | 78.4  | 117.6 |
| 167         | 14.4  | 11.2  | 16.8  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.42 min Scan# 1586  
 Delta R.T. -0.01 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:188 | Resp: | 627006 |
| Ion | Ratio   | Lower | Upper  |
| 188 | 100     |       |        |
| 94  | 9.7     | 9.6   | 14.4   |
| 80  | 10.6    | 9.8   | 14.6   |





#65

4,6-Dinitro-2-methylphenol

Concen: 6.955 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.19 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

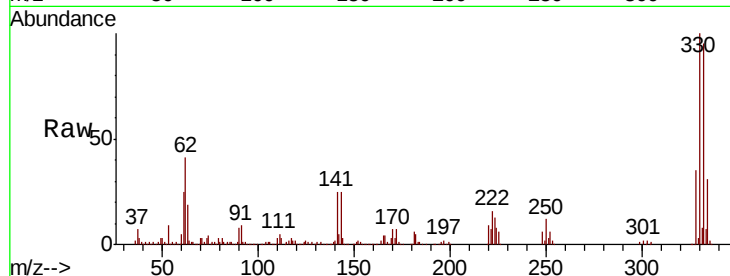
Tot Ion:198 Resp: 790

Ion Ratio Lower Upper

198 100

51 300.9 48.0 88.0#

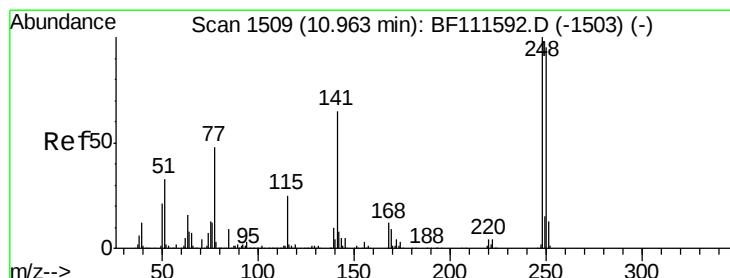
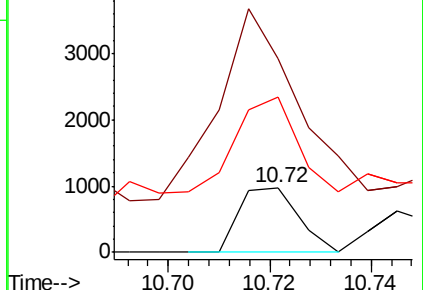
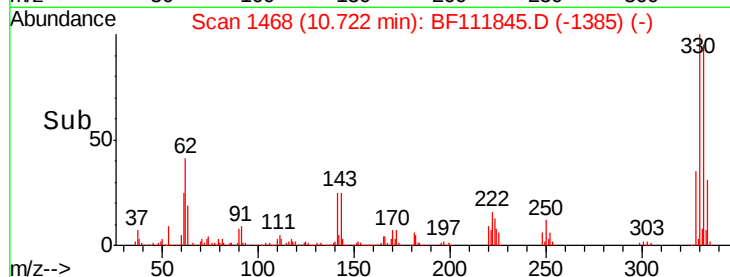
105 239.7 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 3.103 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

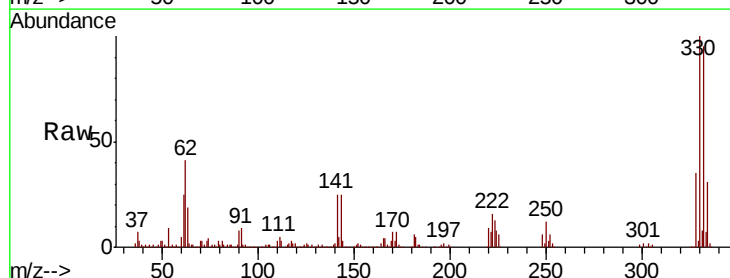
Tgt Ion:248 Resp: 24128

Ion Ratio Lower Upper

248 100

250 195.1 77.0 115.4#

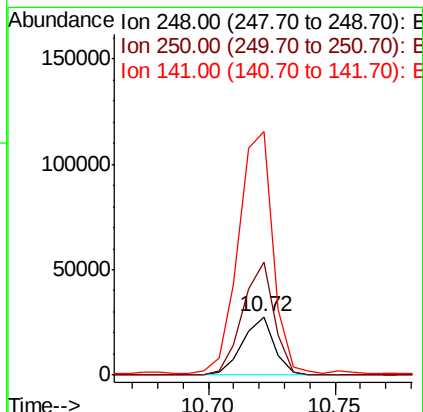
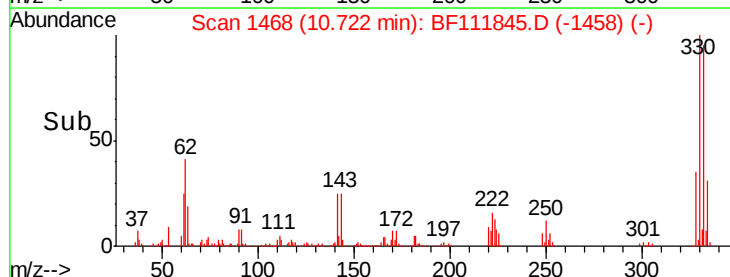
141 417.8 63.0 94.6#

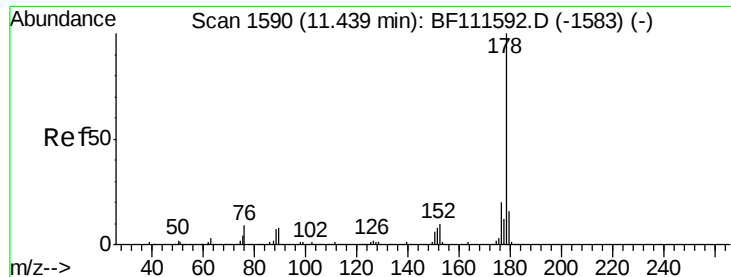


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 26.900 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

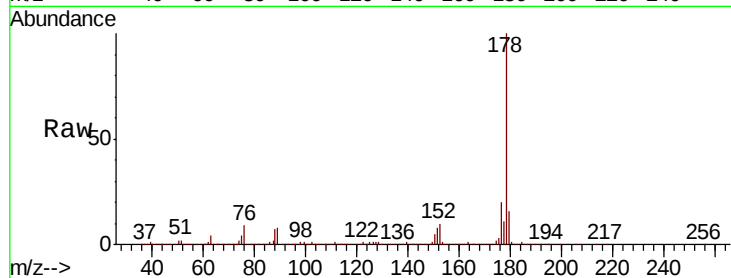
Tot Ion:178 Resp: 894483

Ion Ratio Lower Upper

178 100

176 19.6 18.1 27.1

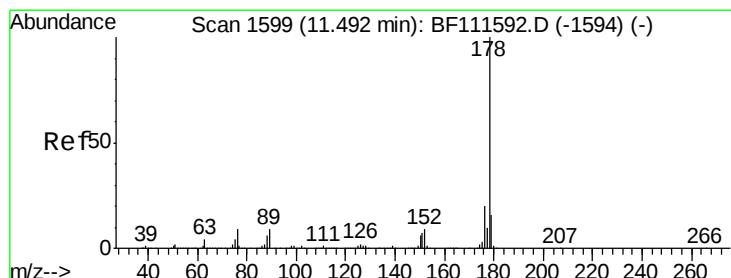
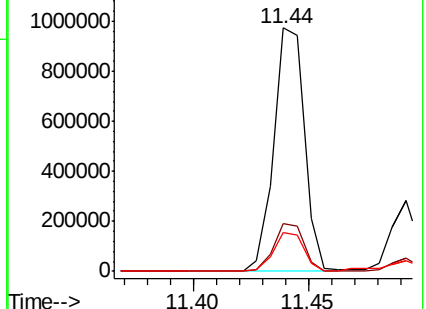
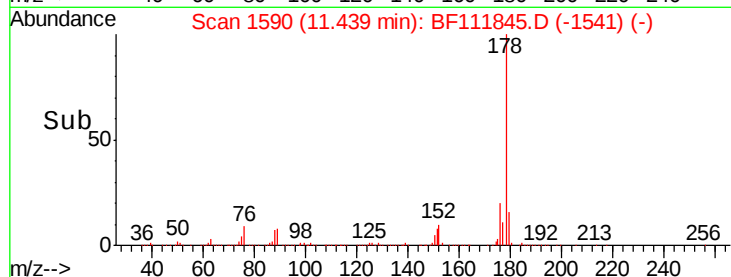
179 16.0 14.0 21.0



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: 6.498 ng

RT: 11.49 min Scan# 1599

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

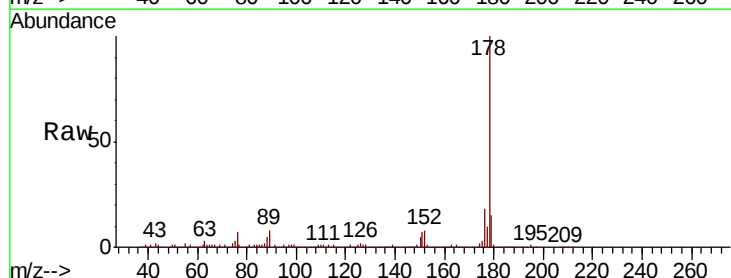
Tgt Ion:178 Resp: 216894

Ion Ratio Lower Upper

178 100

176 18.1 17.2 25.8

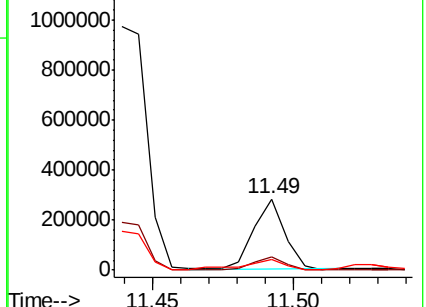
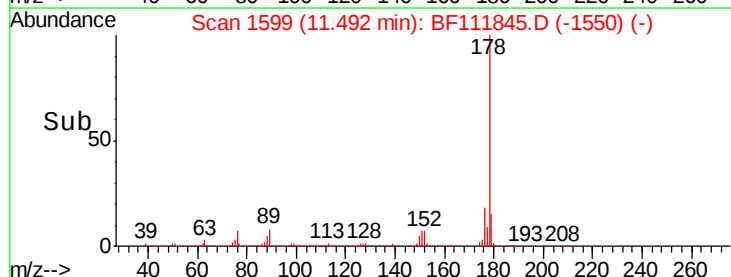
179 15.4 13.8 20.8

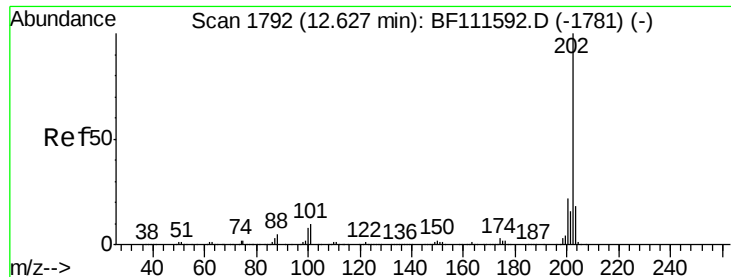


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 34.482 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

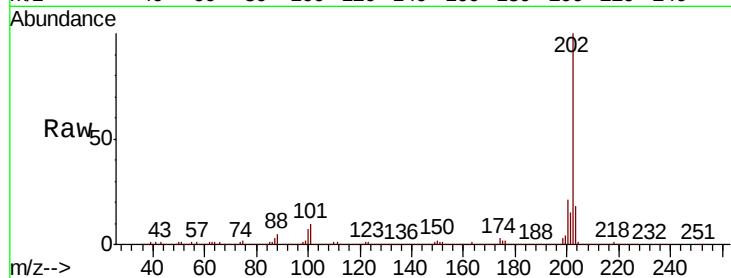
Tot Ion:202 Resp: 1161122

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.8

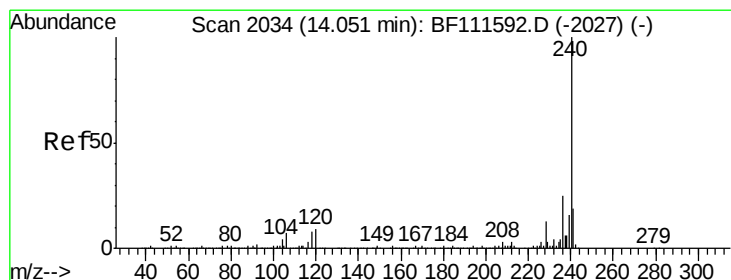
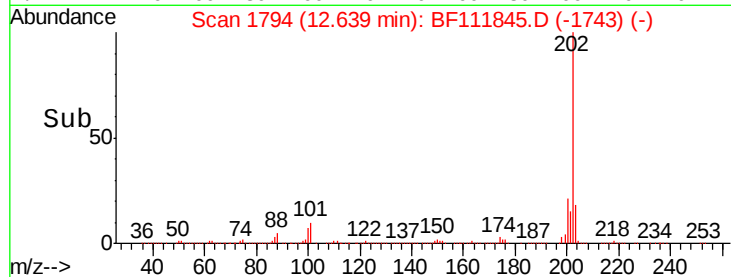
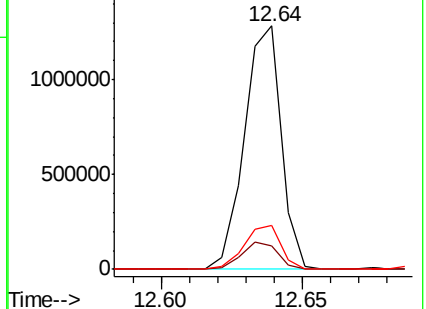
203 18.3 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

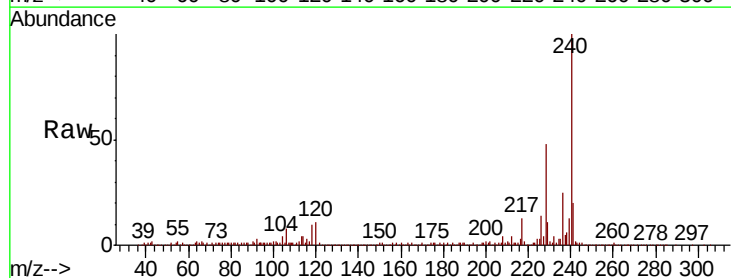
Tgt Ion:240 Resp: 512076

Ion Ratio Lower Upper

240 100

120 11.0 12.2 18.2#

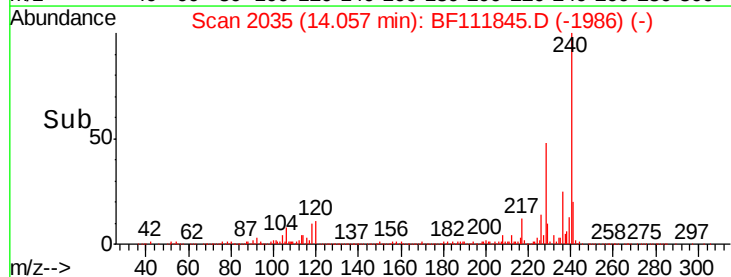
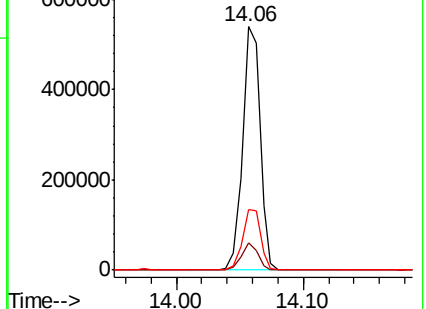
236 24.7 20.2 30.2

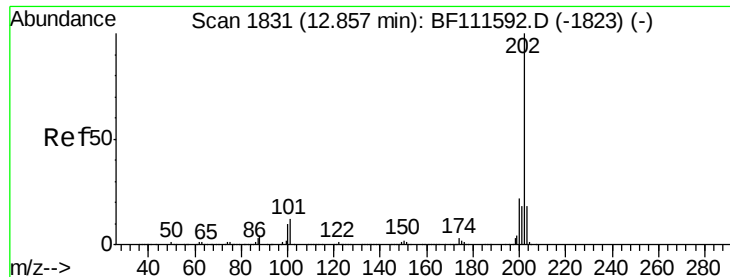


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 31.746 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

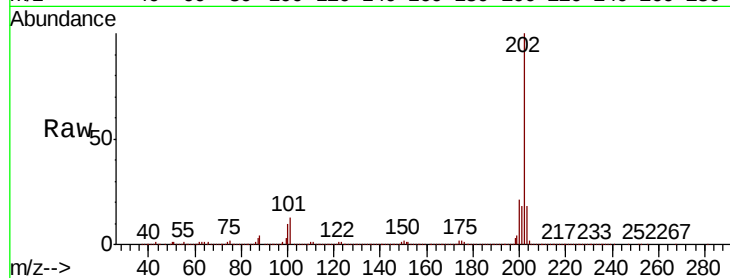
Tot Ion:202 Resp: 1147986

Ion Ratio Lower Upper

202 100

200 21.2 19.0 28.4

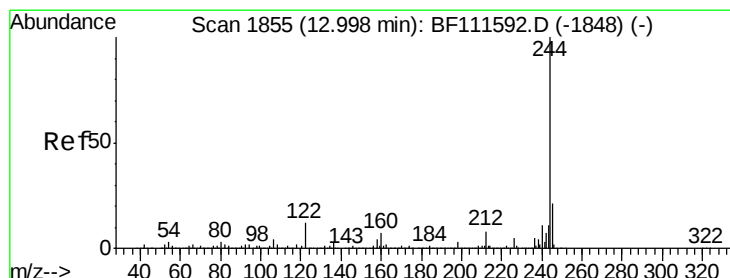
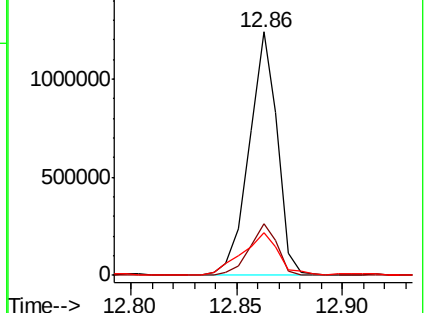
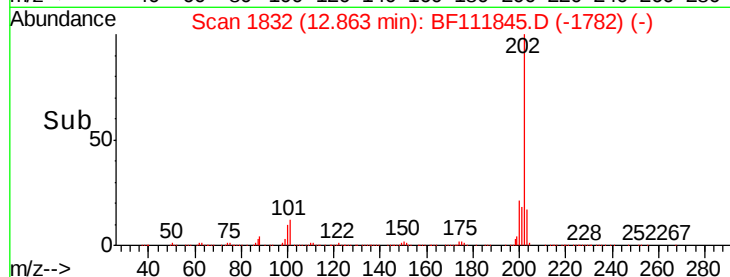
203 17.7 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 45.908 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF111845.D

Acq: 4 Jan 2019 15:31

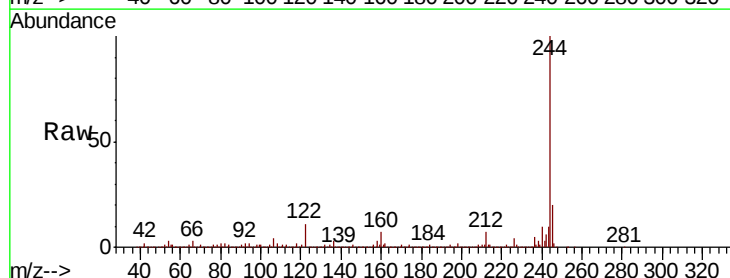
Tgt Ion:244 Resp: 1239624

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

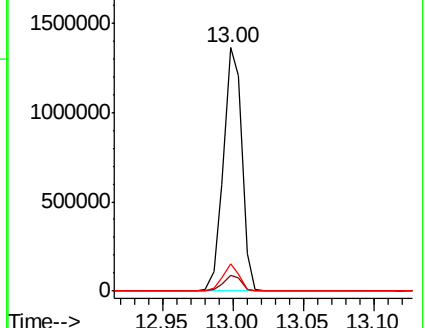
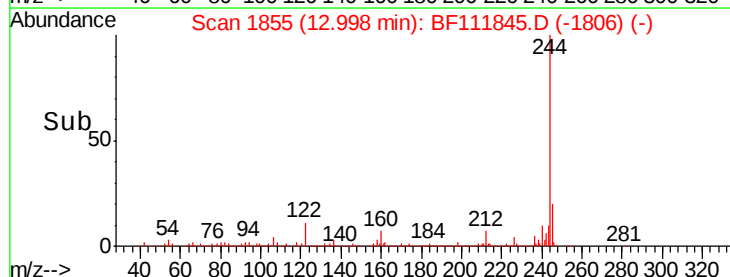
122 11.4 13.1 19.7#

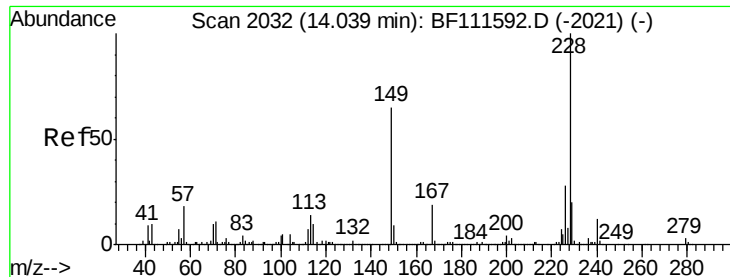


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

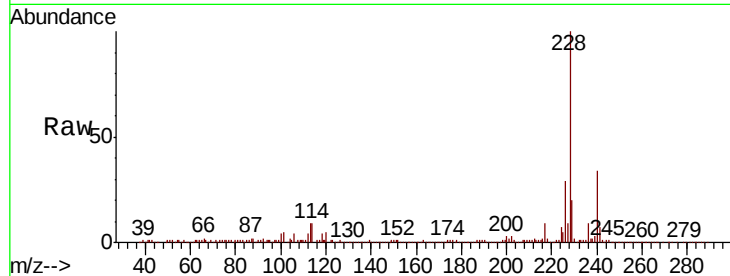
Ion 122.00 (121.70 to 122.70): E





#81  
Benzo(a)anthracene  
Concen: 21.186 ng  
RT: 14.05 min Scan# 2034  
Delta R.T. -0.01 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.4  | 22.6  | 34.0  |
| 229     | 20.4  | 16.3  | 24.5  |

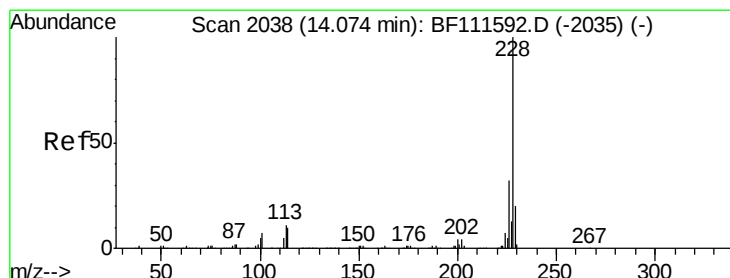
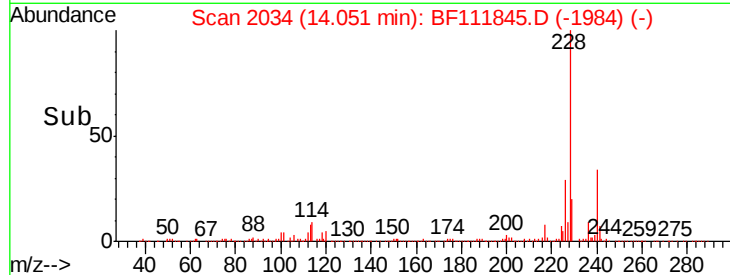
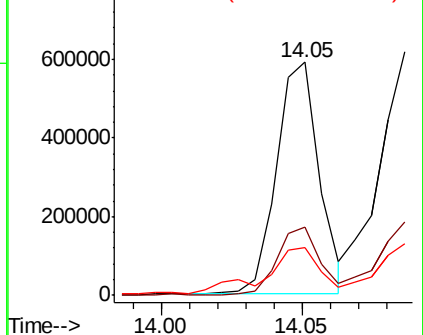


Abundance

Ion 228.00 (227.70 to 228.70): E

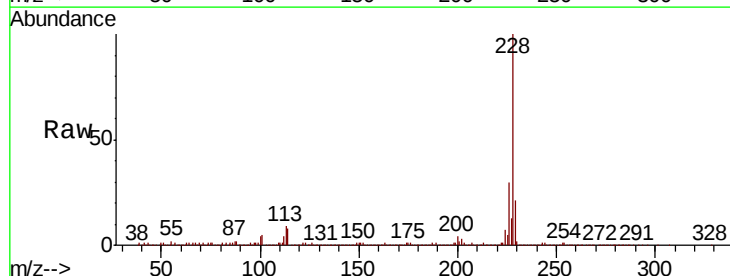
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83  
Chrysene  
Concen: 20.350 ng  
RT: 14.09 min Scan# 2040  
Delta R.T. -0.01 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 30.1  | 25.3  | 37.9  |
| 229     | 21.4  | 17.2  | 25.8  |

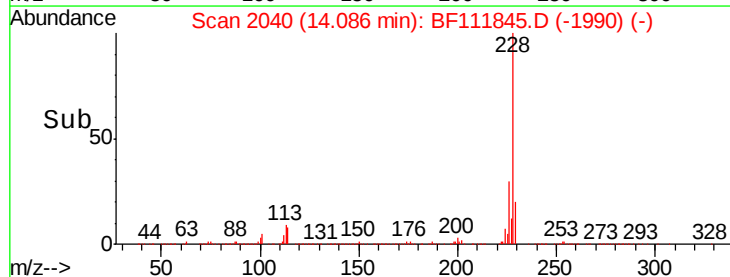
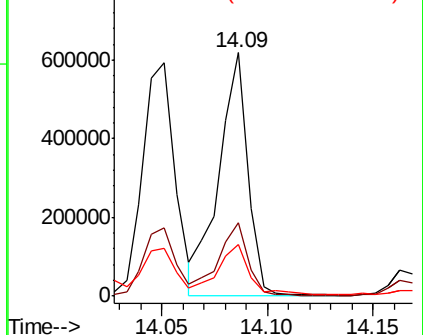


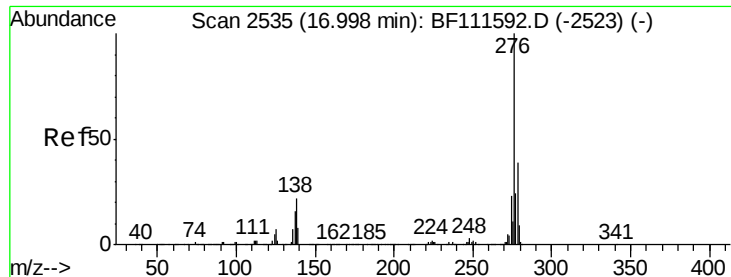
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

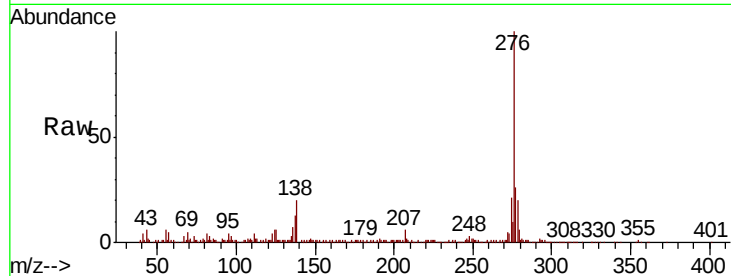
Ion 229.00 (228.70 to 229.70): E



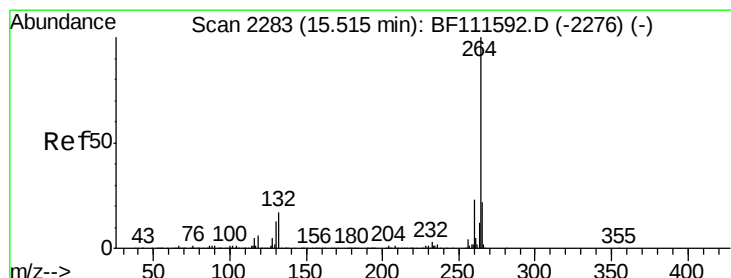
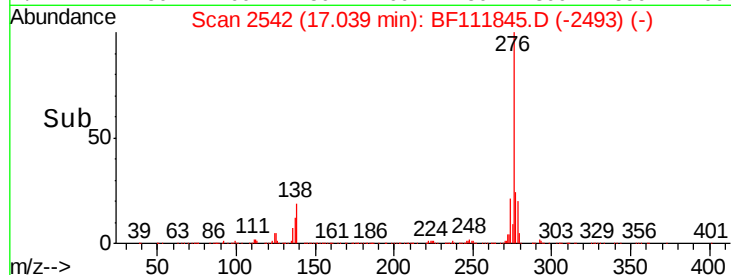
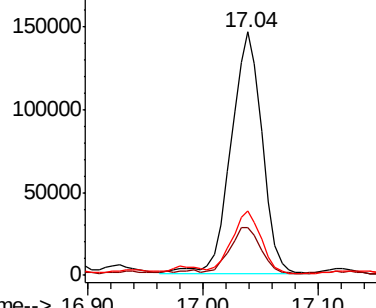


#86  
 Indeno(1,2,3-cd)pyrene  
 Concen: 11.150 ng  
 RT: 17.04 min Scan# 2542  
 Delta R.T. -0.01 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 19.7  | 27.8  | 41.6# |
| 277     | 24.5  | 20.1  | 30.1  |

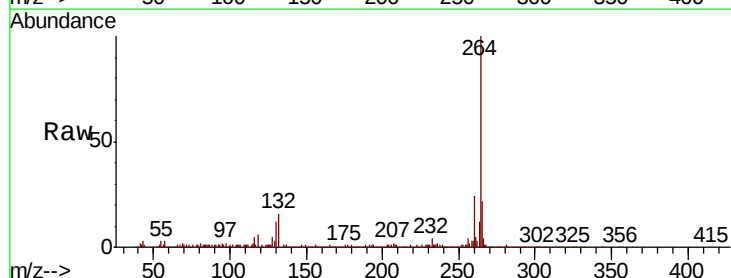


Abundance Ion 276.00 (275.70 to 276.70): E  
 Ion 138.00 (137.70 to 138.70): E  
 Ion 277.00 (276.70 to 277.70): E

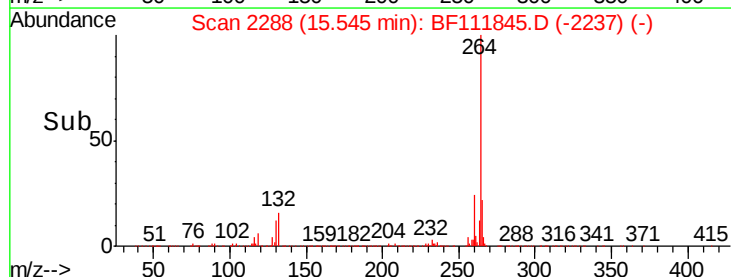
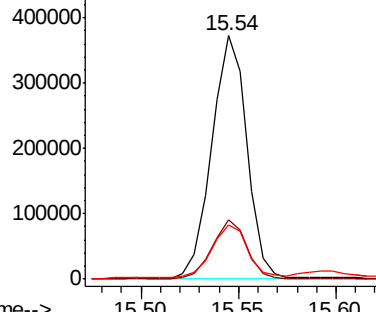


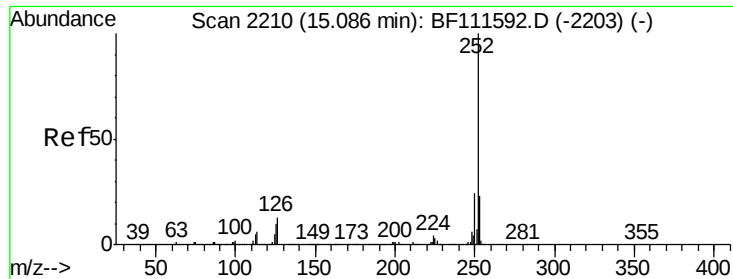
#87  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.54 min Scan# 2288  
 Delta R.T. 0.00 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 18.3  | 27.5  |
| 265     | 22.2  | 17.7  | 26.5  |



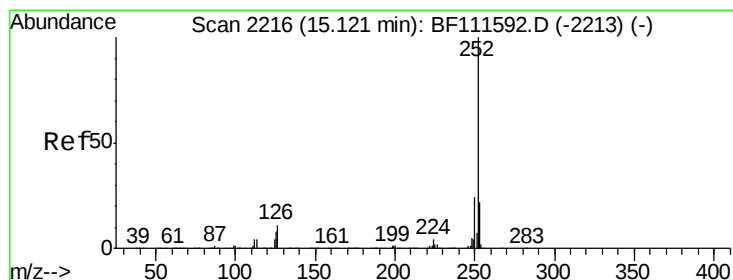
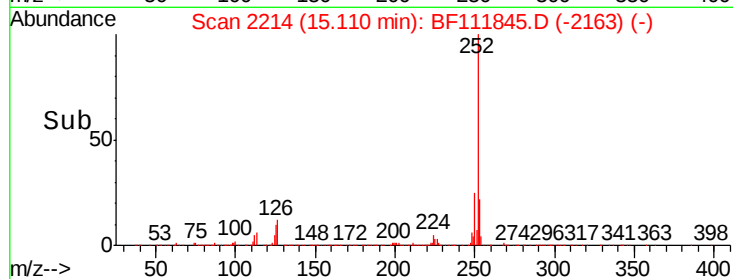
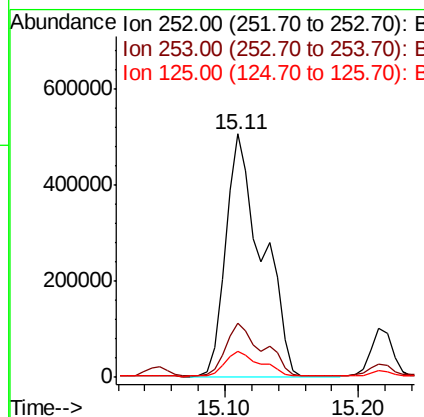
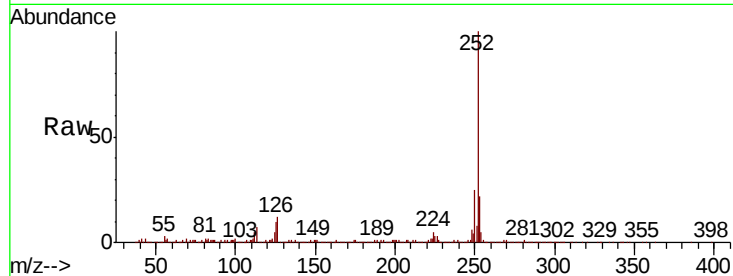
Abundance Ion 264.00 (263.70 to 264.70): E  
 Ion 260.00 (259.70 to 260.70): E  
 Ion 265.00 (264.70 to 265.70): E





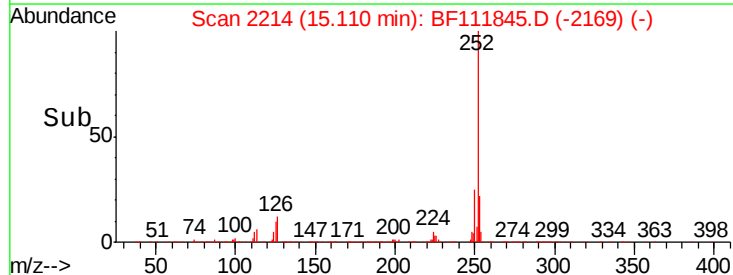
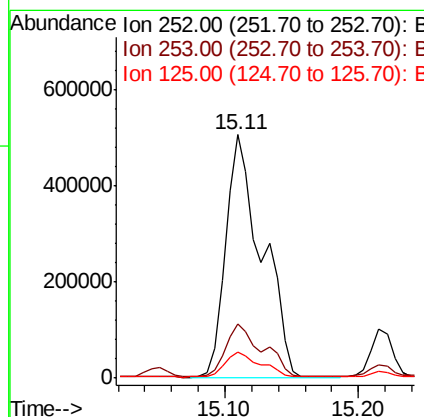
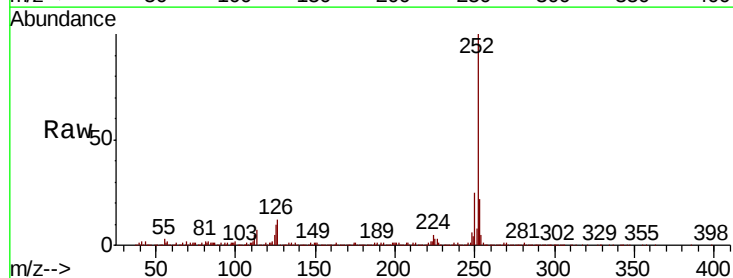
#88  
Benzo(b)fluoranthene  
Concen: 35.328 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. 0.00 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

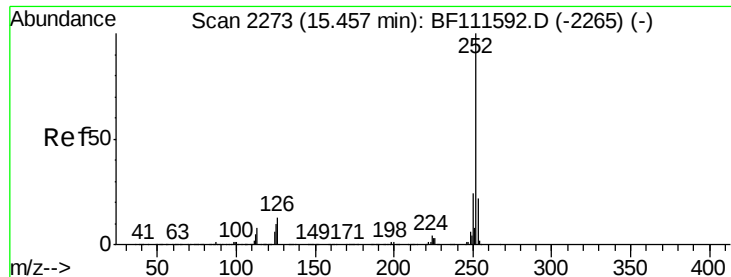
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.2  | 27.2  |
| 125     | 10.4  | 10.4  | 15.6  |



#89  
Benzo(k)fluoranthene  
Concen: 37.108 ng  
RT: 15.11 min Scan# 2214  
Delta R.T. -0.04 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

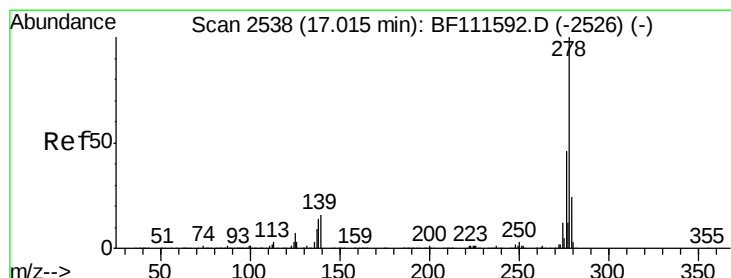
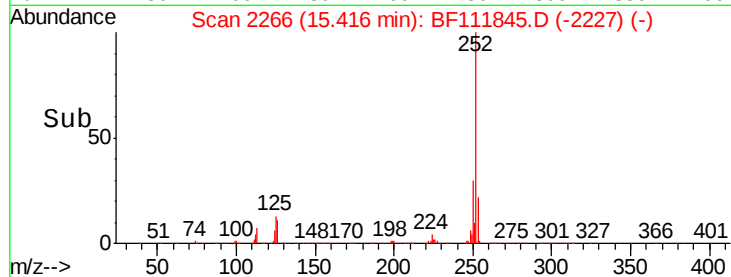
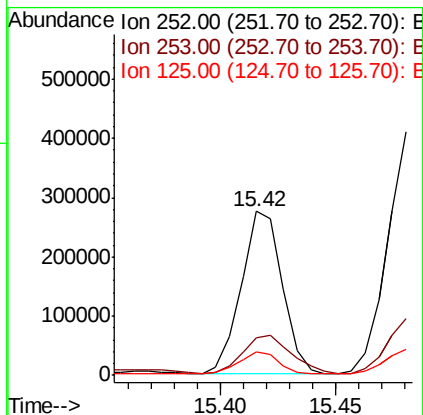
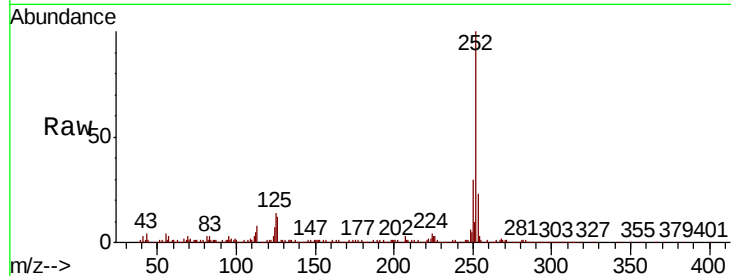
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.1  | 27.1  |
| 125     | 10.4  | 9.8   | 14.8  |





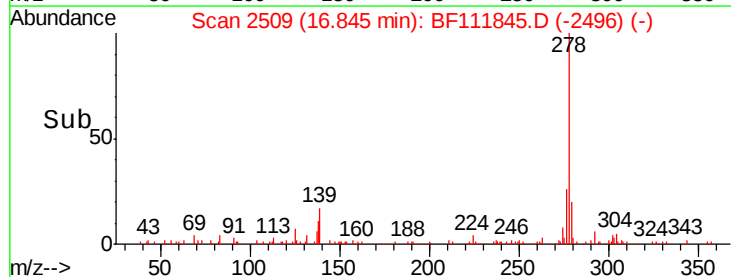
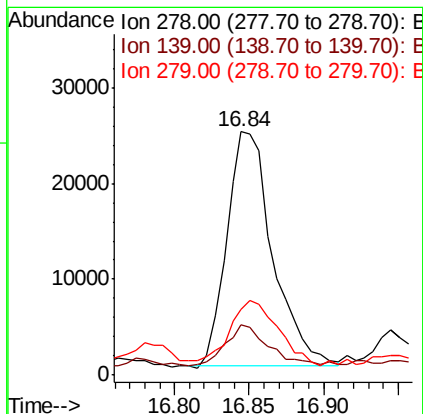
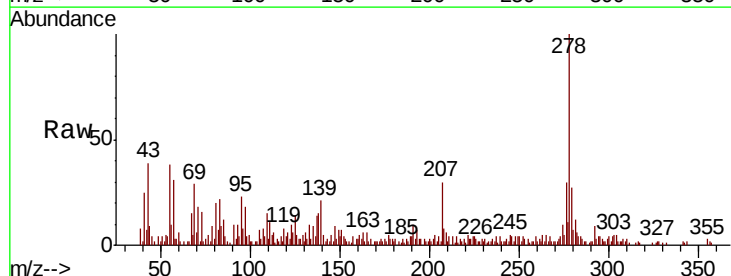
#90  
Benzo(a)pyrene  
Concen: 13.921 ng  
RT: 15.42 min Scan# 2266  
Delta R.T. -0.07 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

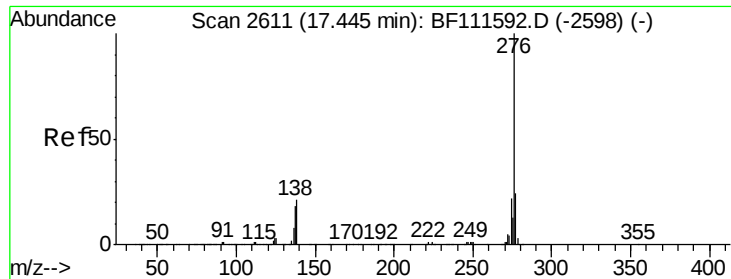
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.1  | 17.8  | 26.8  |
| 125     | 14.2  | 12.3  | 18.5  |



#91  
Dibenzo(a,h)anthracene  
Concen: 2.424 ng  
RT: 16.84 min Scan# 2509  
Delta R.T. -0.22 min  
Lab File: BF111845.D  
Acq: 4 Jan 2019 15:31

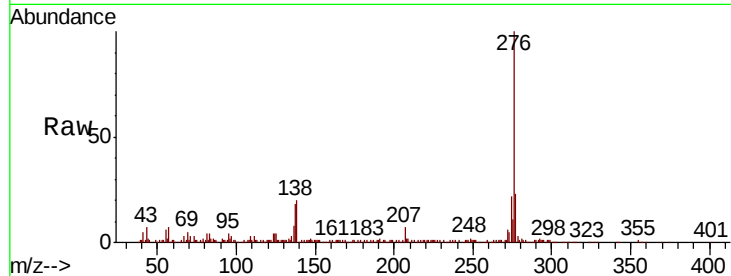
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 20.9  | 18.2  | 27.4  |
| 279     | 27.0  | 19.0  | 28.6  |





#92  
 Benzo(a,h,i)perylene  
 Concen: 11.873 ng  
 RT: 17.49 min Scan# 2619  
 Delta R.T. -0.02 min  
 Lab File: BF111845.D  
 Acq: 4 Jan 2019 15:31

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 22.6  | 19.2  | 28.8  |
| 138     | 20.3  | 24.9  | 37.3  |



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

