

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032218\  
 Data File : BF103859.D  
 Acq On : 22 Mar 2018 18:32  
 Operator : JU/SJ  
 Sample : J1995-01  
 Misc :  
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 23 00:56:38 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Mar 22 11:56:49 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 6.97  | 152  | 157811   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 8.26  | 136  | 600698   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 10.02 | 164  | 262100   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 11.51 | 188  | 393103   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 14.16 | 240  | 331730   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 15.70 | 264  | 290723   | 20.00 | ng    | 0.00     |

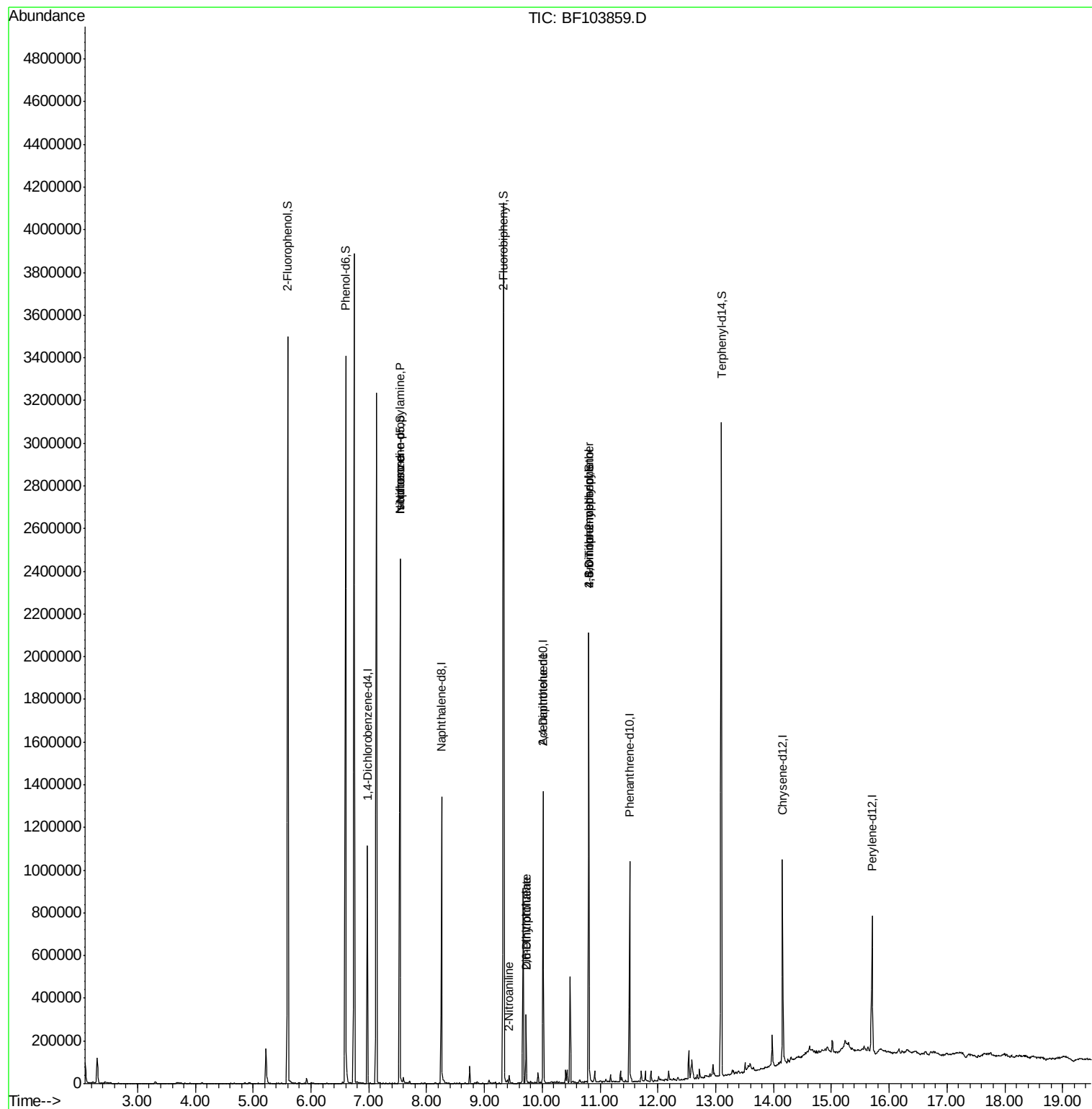
| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 5) 2-Fluorophenol           | 5.60  | 112  | 1193447  | 115.03 | ng    | 0.00     |
| 7) Phenol-d6                | 6.60  | 99   | 1475330  | 116.23 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 889201   | 103.23 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.81 | 330  | 288948   | 128.22 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.33  | 172  | 1369032  | 83.32  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.10 | 244  | 1067758  | 74.71  | ng    | 0.00     |

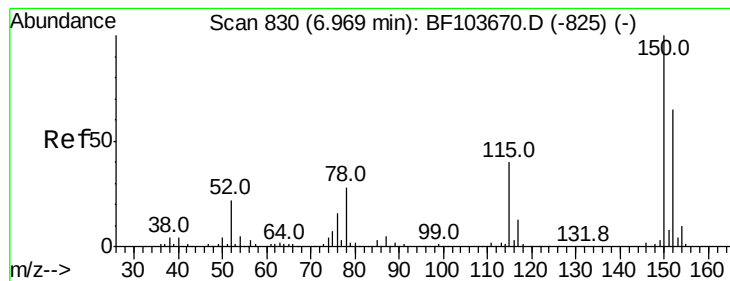
| Target Compounds               | R.T.  | QIon | Response | Conc   | Units | Qvalue |
|--------------------------------|-------|------|----------|--------|-------|--------|
| 19) n-Nitroso-di-n-propylamine | 7.54  | 70   | 115957   | 14.254 | ng    | # 72   |
| 25) Isophorone                 | 7.54  | 82   | 889194   | 44.592 | ng    | # 64   |
| 47) 2-Nitroaniline             | 9.43  | 65   | 108      | 6.835  | ng    | # 2    |
| 49) Dimethylphthalate          | 9.72  | 163  | 122075   | 6.105  | ng    | 100    |
| 50) 2,6-Dinitrotoluene         | 9.72  | 165  | 1254     | 4.281  | ng    | # 9    |
| 56) 2,4-Dinitrotoluene         | 10.02 | 165  | 32189    | 11.932 | ng    | # 23   |
| 64) 4,6-Dinitro-2-methylphenol | 10.80 | 198  | 526      | 8.518  | ng    | # 1    |
| 66) 4-Bromophenyl-phenylether  | 10.81 | 248  | 16888    | 4.184  | ng    | # 1    |

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

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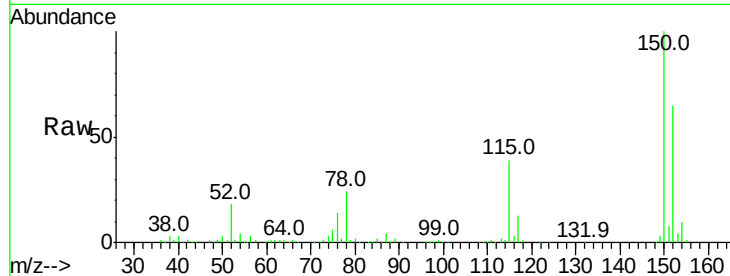




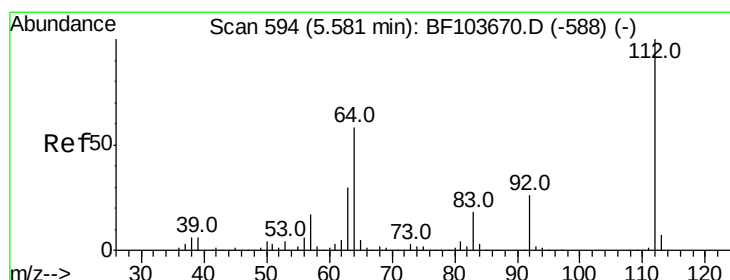
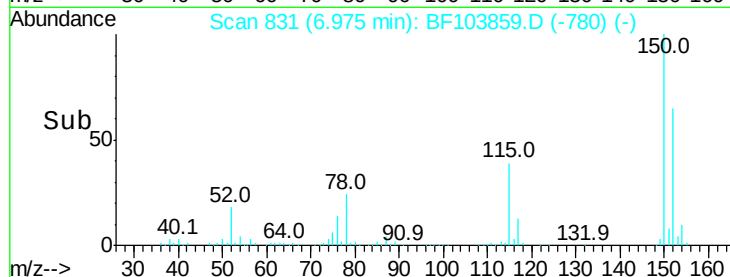
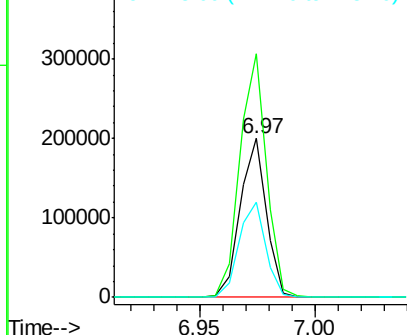
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 831  
Delta R.T. 0.00 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

Tot Ion:152 Resp: 157811  
Ion Ratio Lower Upper  
152 100  
150 153.6 124.6 186.8  
115 60.1 50.1 75.1



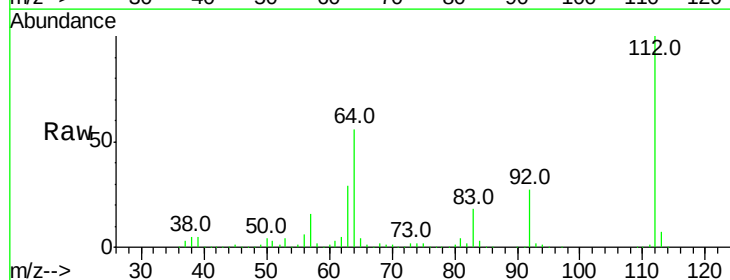
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



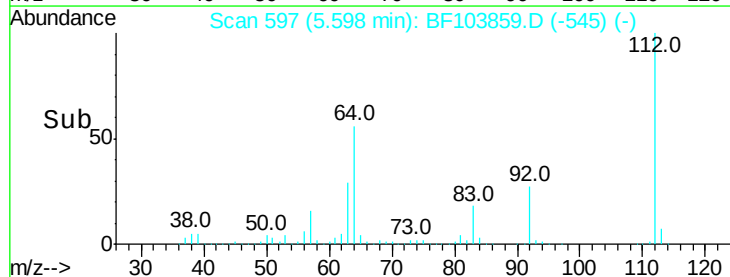
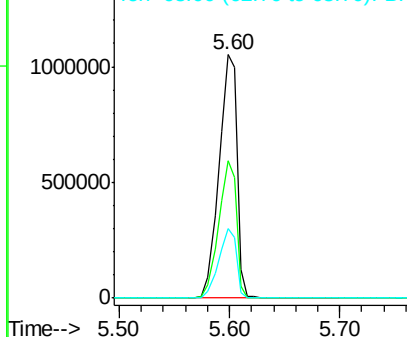
#5

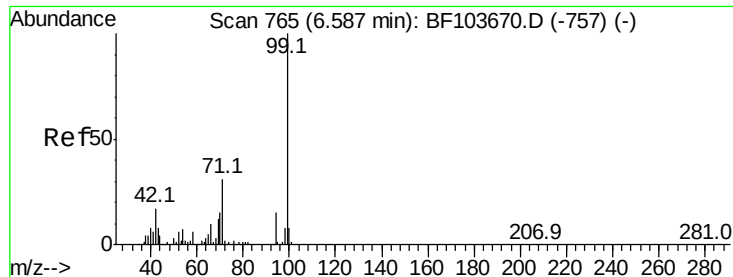
2-Fluorophenol  
Concen: 115.025 ng  
RT: 5.60 min Scan# 597  
Delta R.T. 0.01 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

Tgt Ion:112 Resp: 1193447  
Ion Ratio Lower Upper  
112 100  
64 56.5 47.9 71.9  
63 28.5 23.7 35.5



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: 116.225 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF103859.D

Acq: 22 Mar 2018 18:32

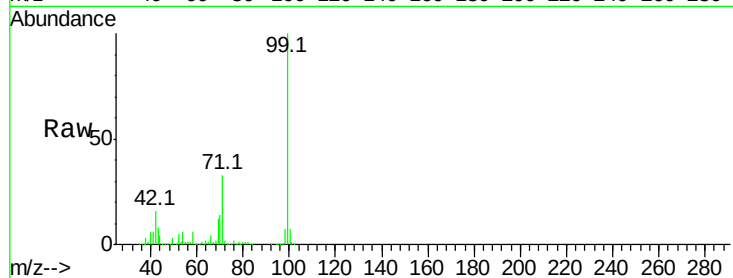
Tot Ion: 99 Resp: 1475330

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

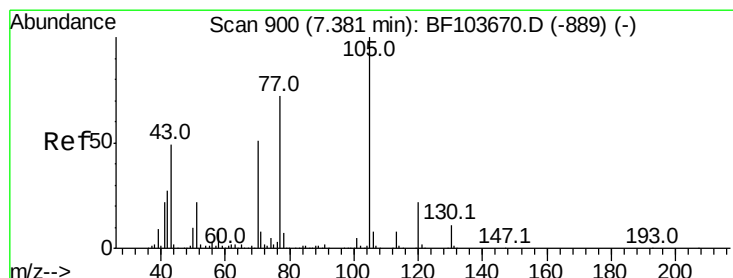
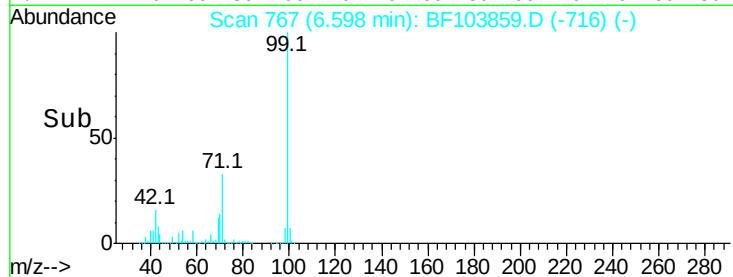
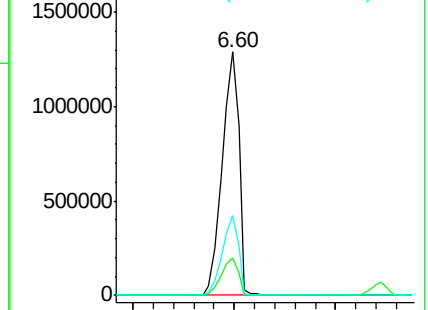
71 32.5 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.254 ng

RT: 7.54 min Scan# 927

Delta R.T. 0.15 min

Lab File: BF103859.D

Acq: 22 Mar 2018 18:32

Tgt Ion: 70 Resp: 115957

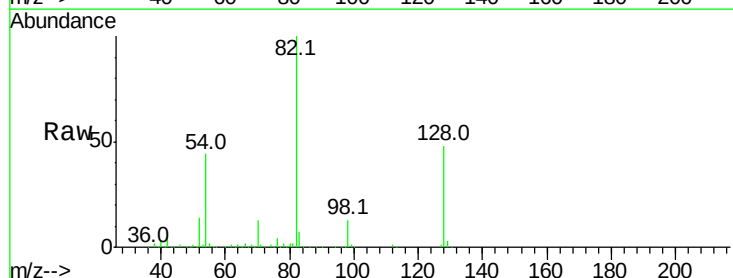
Ion Ratio Lower Upper

70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

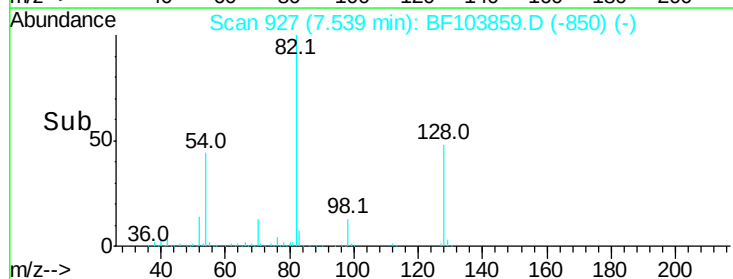
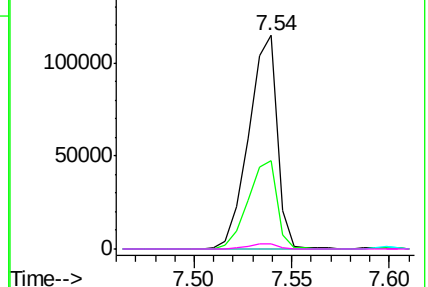


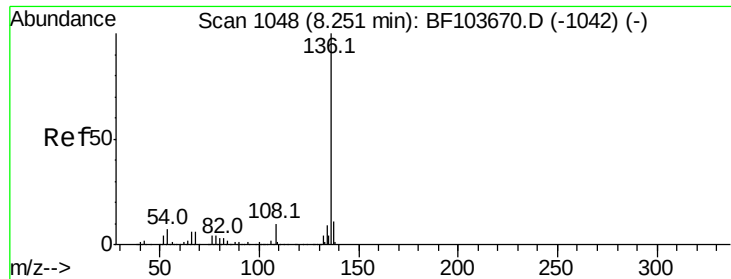
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

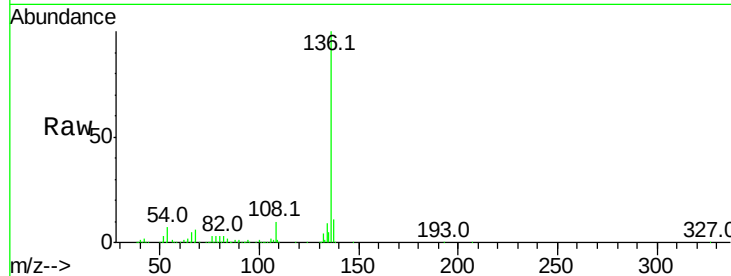
Ion 130.00 (129.70 to 130.70): BF1





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.26 min Scan# 1049  
Delta R.T. 0.00 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

|             |       |        |  |
|-------------|-------|--------|--|
| Tot Ion:136 | Resp: | 600698 |  |
| Ion Ratio   | Lower | Upper  |  |
| 136 100     |       |        |  |
| 137 11.1    | 8.9   | 13.3   |  |
| 54 6.6      | 6.6   | 9.8    |  |
| 68 6.0      | 5.0   | 7.4    |  |

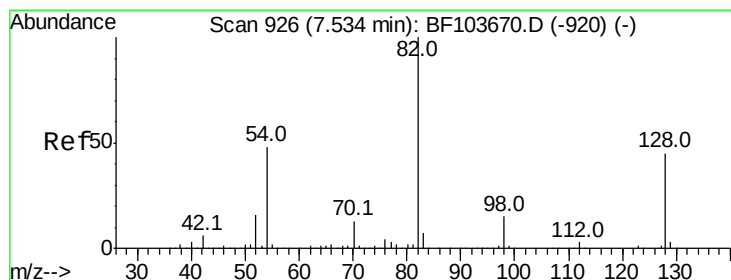
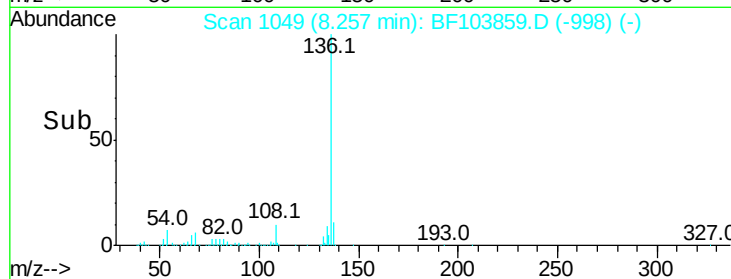
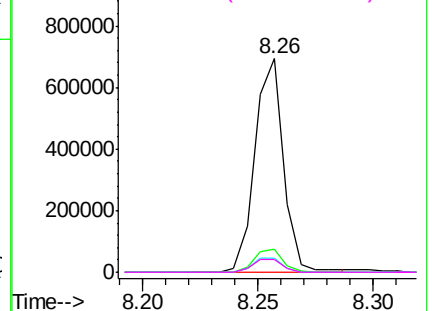


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

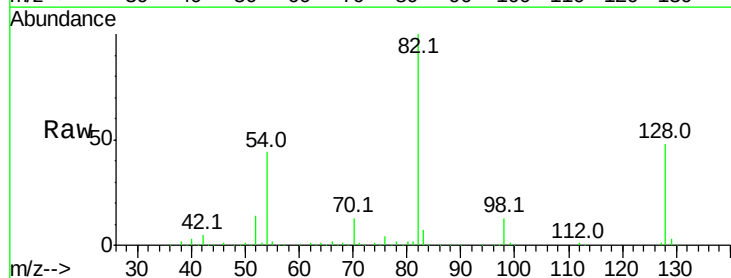
Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23  
Nitrobenzene-d5  
Concen: 103.229 ng  
RT: 7.54 min Scan# 927  
Delta R.T. 0.00 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

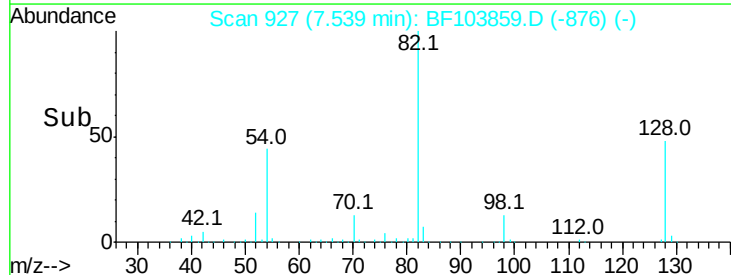
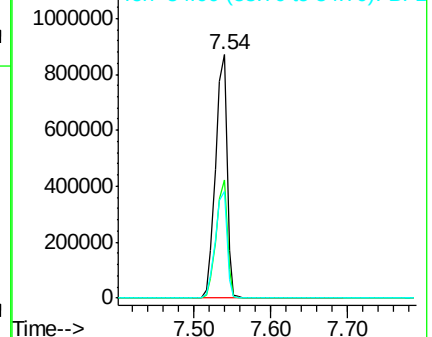
|         |       |             |              |
|---------|-------|-------------|--------------|
| Tgt Ion | 82    | Resp: Lower | 889201 Upper |
|         | Ratio |             |              |
| 82      | 100   |             |              |
| 128     | 48.3  | 36.1        | 54.1         |
| 54      | 44.0  | 41.4        | 62.2         |

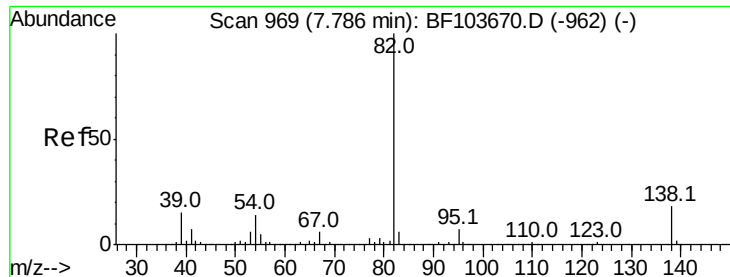


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 44.592 ng

RT: 7.54 min Scan# 927

Delta R.T. -0.25 min

Lab File: BF103859.D

Acq: 22 Mar 2018 18:32

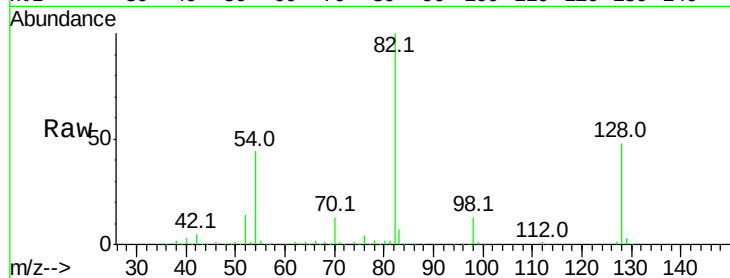
Tot Ion: 82 Resp: 889194

Ion Ratio Lower Upper

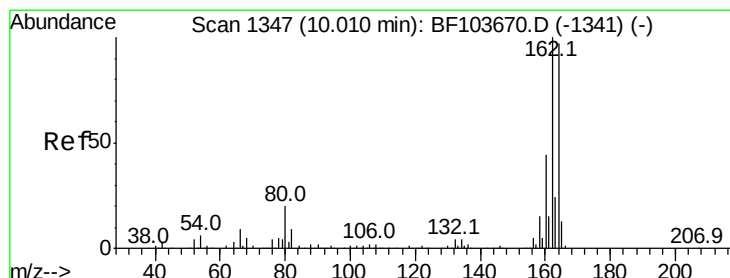
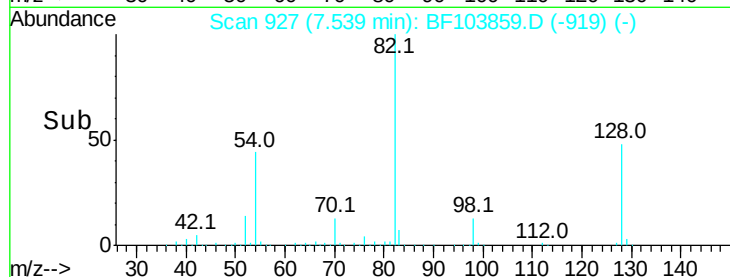
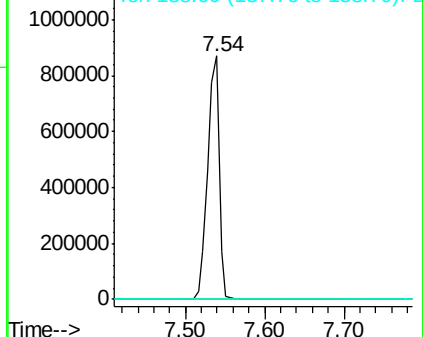
82 100

95 0.0 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: 10.02 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BF103859.D

Acq: 22 Mar 2018 18:32

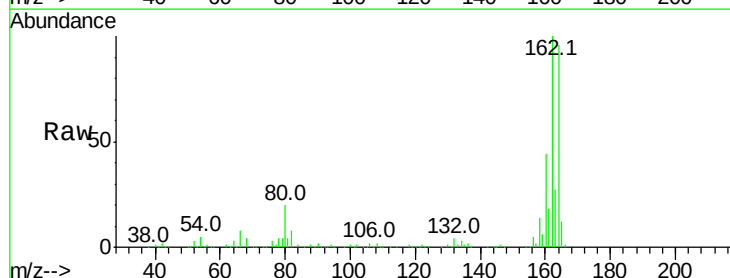
Tgt Ion:164 Resp: 262100

Ion Ratio Lower Upper

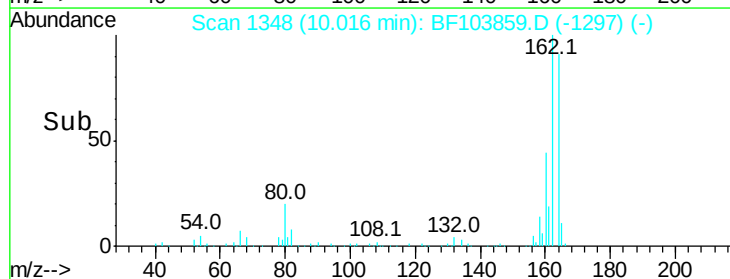
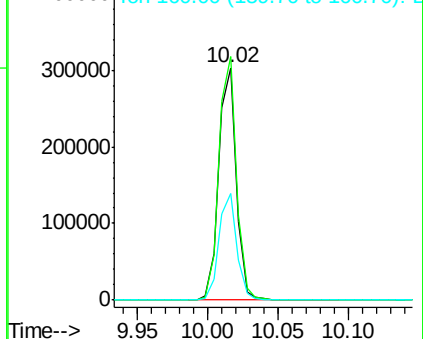
164 100

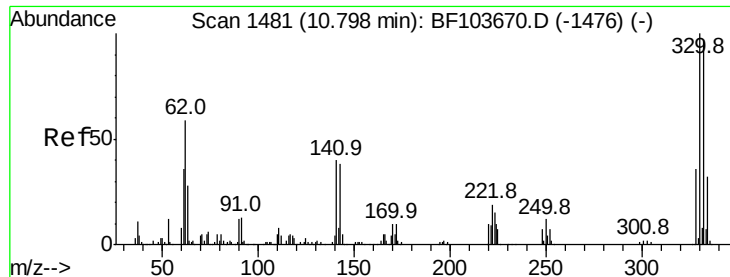
162 104.7 86.1 129.1

160 45.9 38.3 57.5



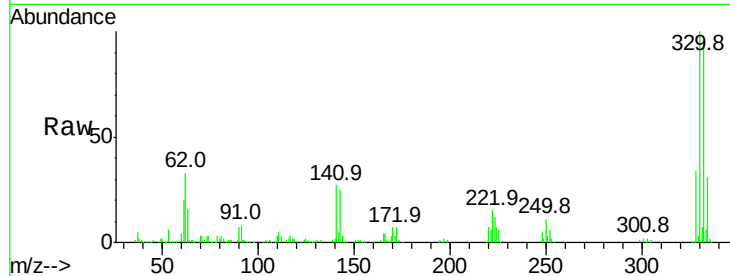
Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E



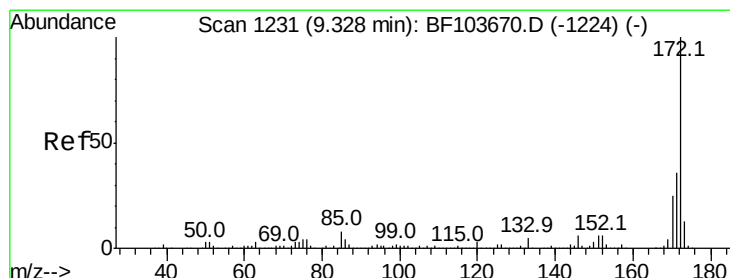
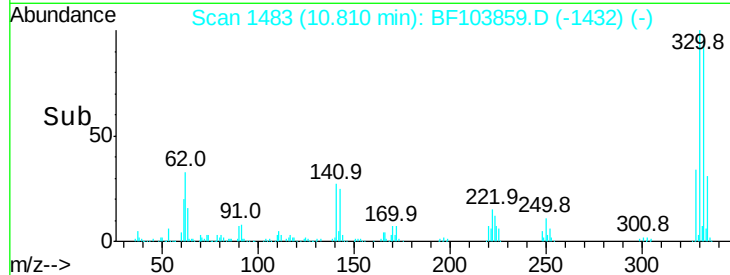
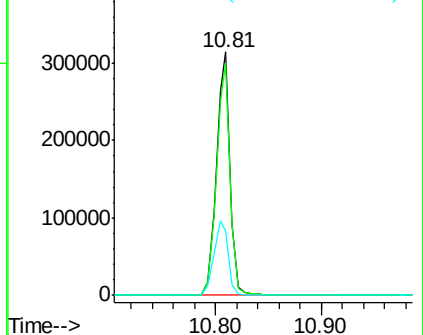


#41  
 2,4,6-Tribromophenol  
 Concen: 128.219 ng  
 RT: 10.81 min Scan# 1483  
 Delta R.T. 0.00 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.6  | 77.0  | 115.6 |
| 141     | 32.5  | 29.9  | 44.9  |

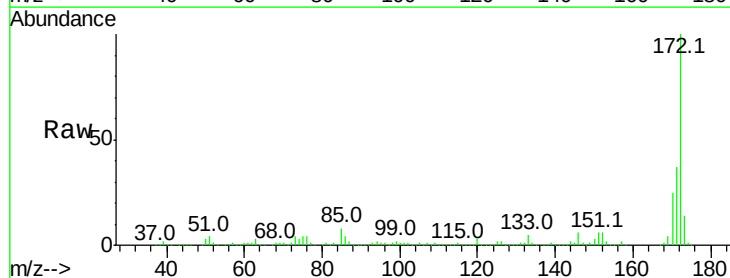


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

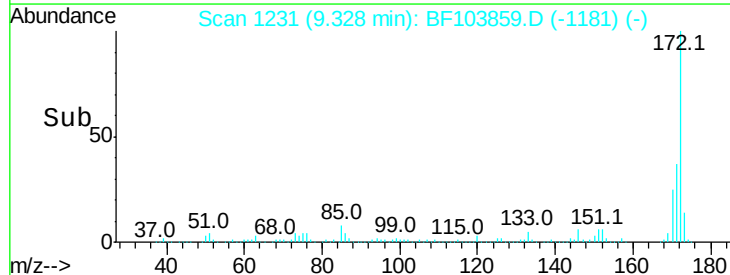
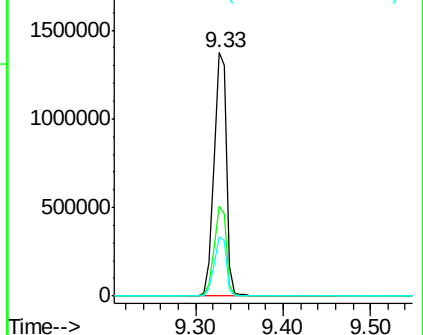


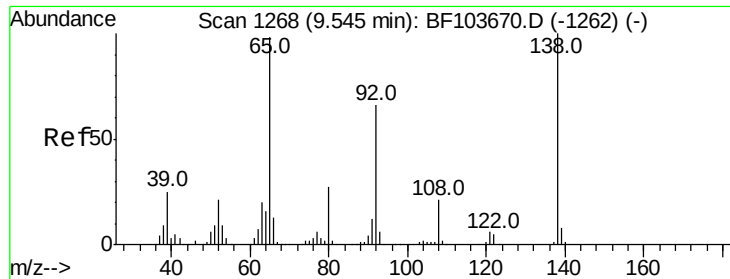
#44  
 2-Fluorobiphenyl  
 Concen: 83.320 ng  
 RT: 9.33 min Scan# 1231  
 Delta R.T. -0.01 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.8  | 29.7  | 44.5  |
| 170     | 24.5  | 19.6  | 29.4  |



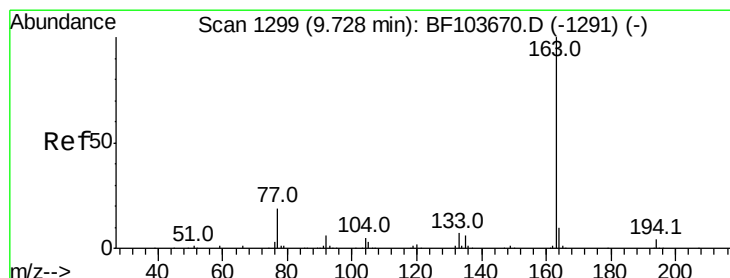
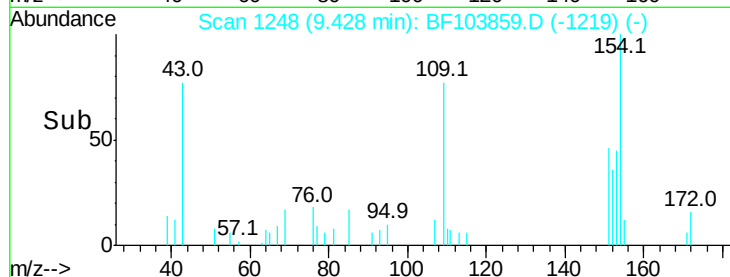
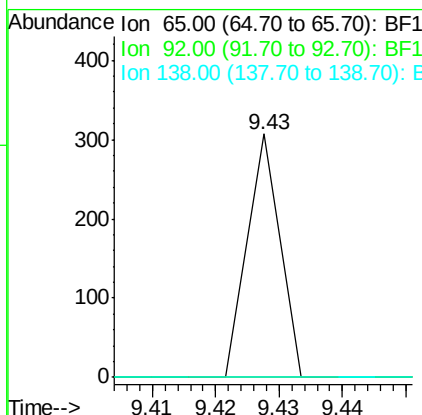
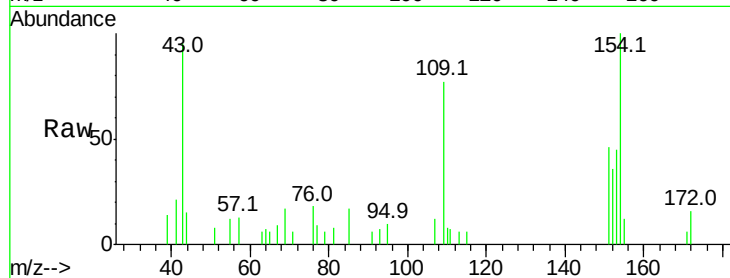
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





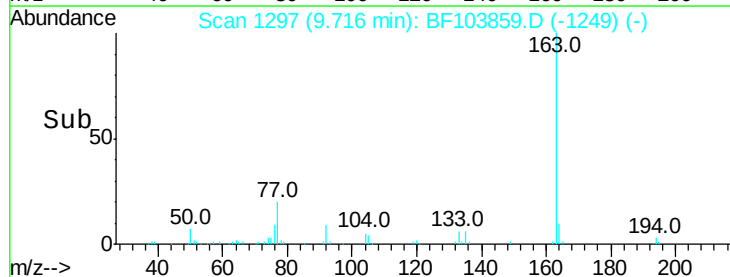
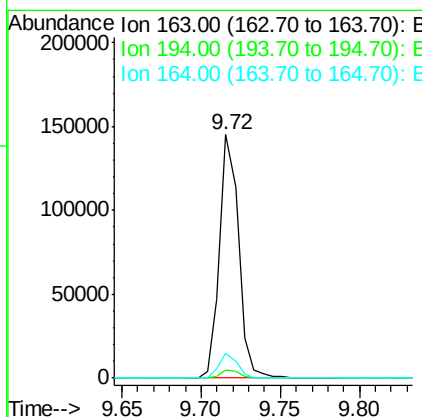
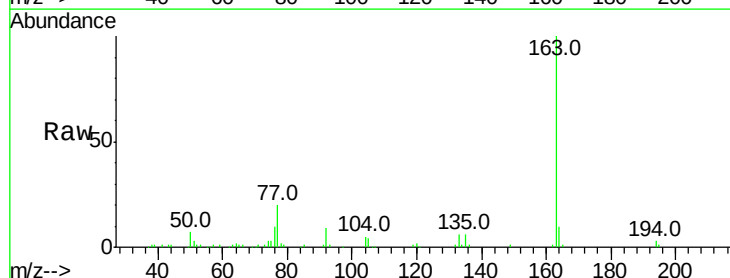
#47  
2-Nitroaniline  
Concen: 6.835 ng  
RT: 9.43 min Scan# 1248  
Delta R.T. -0.13 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

Tot Ion: 65 Resp: 108  
Ion Ratio Lower Upper  
65 100  
92 0.0 55.8 83.6#  
138 0.0 91.2 136.8#

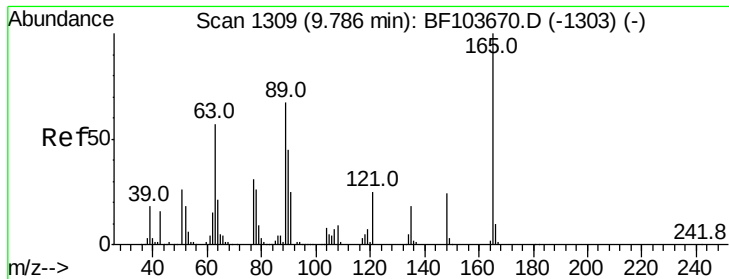


#49  
Dimethylphthalate  
Concen: 6.105 ng  
RT: 9.72 min Scan# 1297  
Delta R.T. -0.02 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

Tgt Ion:163 Resp: 122075  
Ion Ratio Lower Upper  
163 100  
194 3.5 2.7 4.1  
164 10.3 8.2 12.2

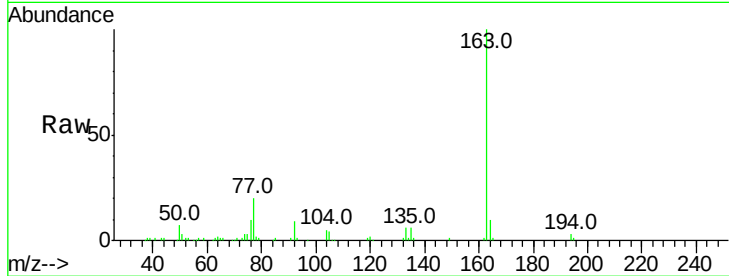




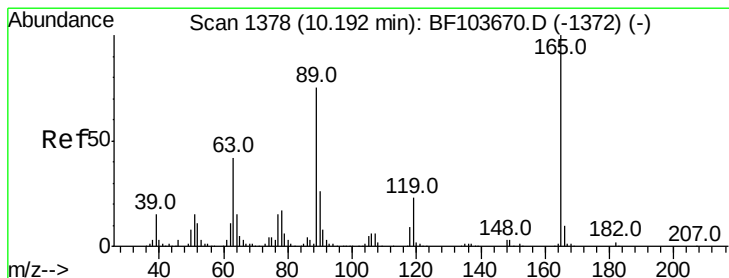
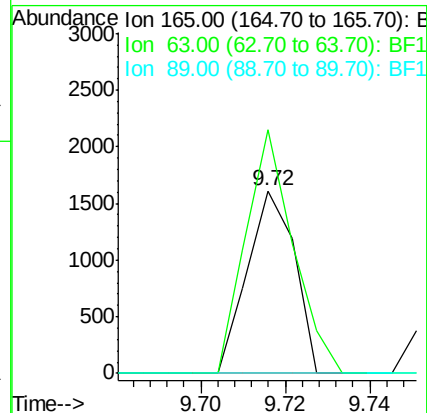
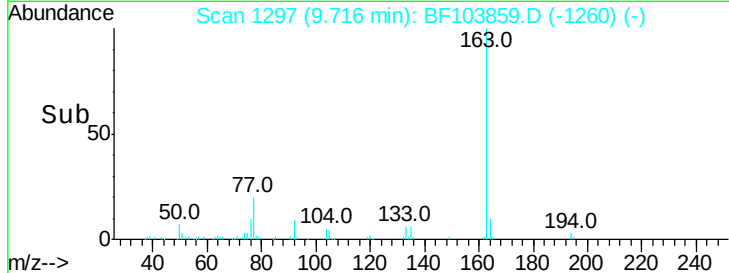


#50  
 2,6-Dinitrotoluene  
 Concen: 4.281 ng  
 RT: 9.72 min Scan# 1297  
 Delta R.T. -0.08 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 133.1 | 44.7  | 67.1# |
| 89      | 0.0   | 44.0  | 66.0# |

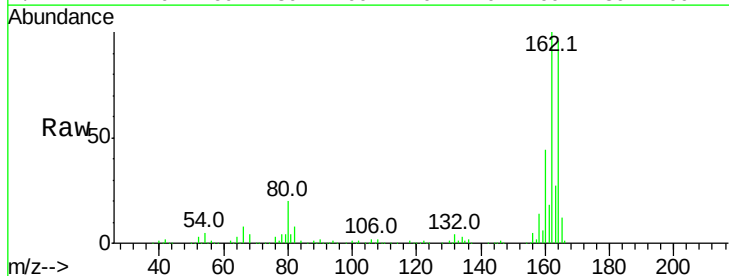


Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1

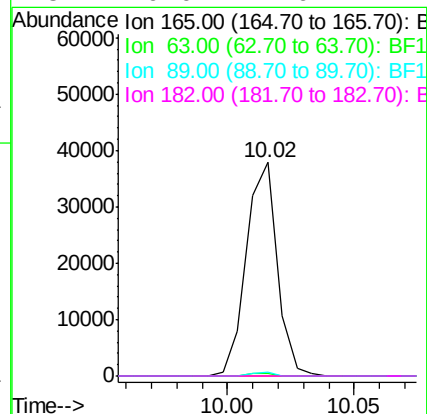
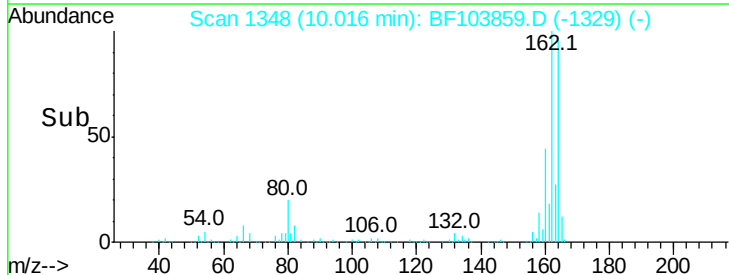


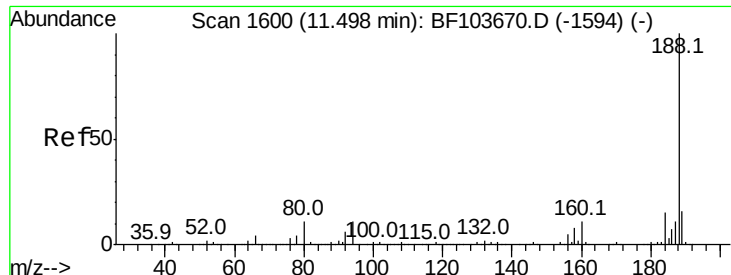
#56  
 2,4-Dinitrotoluene  
 Concen: 11.932 ng  
 RT: 10.02 min Scan# 1348  
 Delta R.T. -0.19 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.3   | 36.4  | 54.6# |
| 89      | 1.6   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |



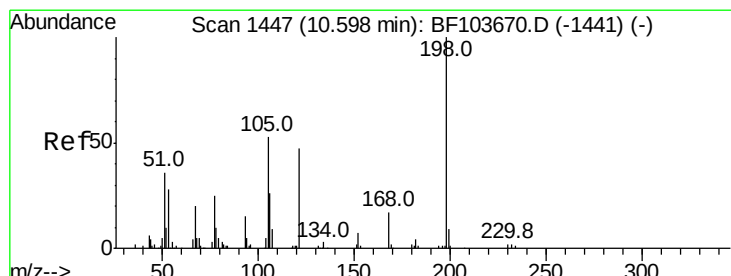
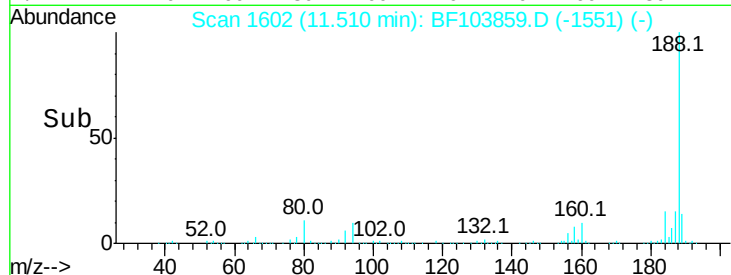
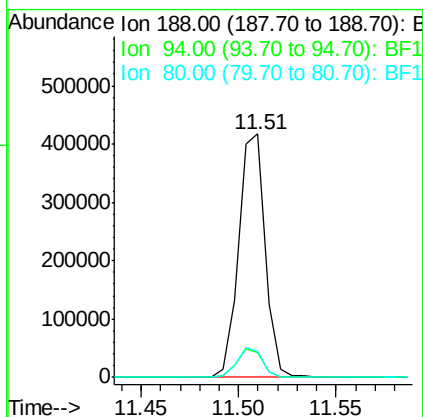
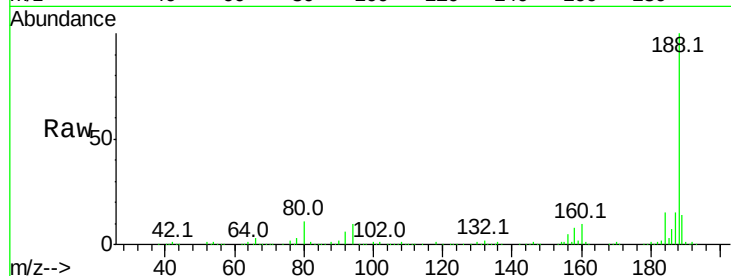
Abundance Ion 165.00 (164.70 to 165.70): E  
 Ion 63.00 (62.70 to 63.70): BF1  
 Ion 89.00 (88.70 to 89.70): BF1  
 Ion 182.00 (181.70 to 182.70): E





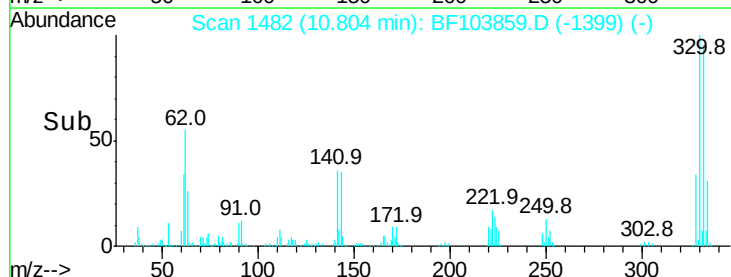
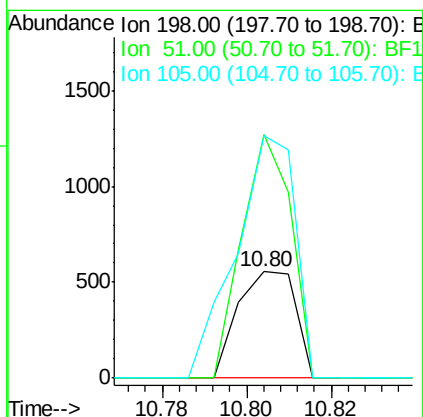
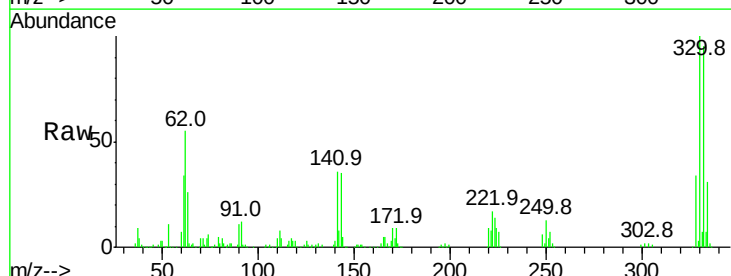
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.51 min Scan# 1602  
 Delta R.T. 0.00 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

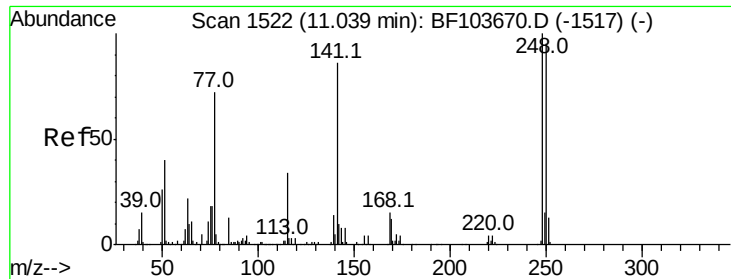
Tot Ion:188 Resp: 393103  
 Ion Ratio Lower Upper  
 188 100  
 94 9.9 8.5 12.7  
 80 10.5 9.2 13.8



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 8.518 ng  
 RT: 10.80 min Scan# 1482  
 Delta R.T. 0.19 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

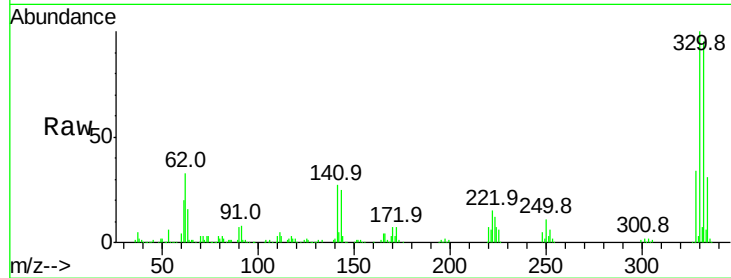
Tgt Ion:198 Resp: 526  
 Ion Ratio Lower Upper  
 198 100  
 51 229.2 37.7 77.7#  
 105 228.0 36.3 76.3#



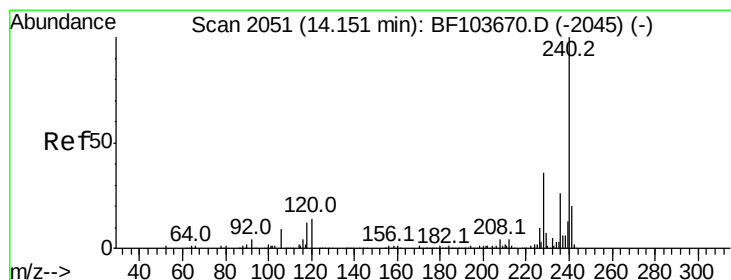
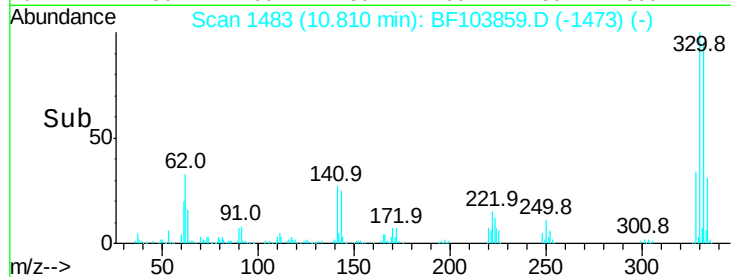
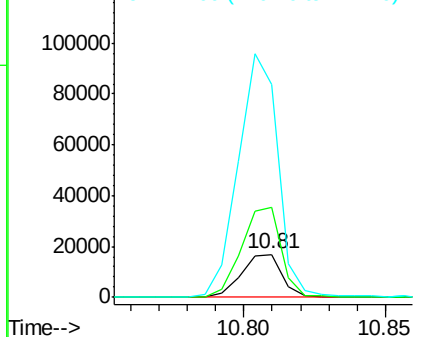


#66  
4-Bromophenyl-phenylether  
Concen: 4.184 ng  
RT: 10.81 min Scan# 1483  
Delta R.T. -0.24 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

Tot Ion:248 Resp: 16888  
Ion Ratio Lower Upper  
248 100  
250 209.4 76.9 115.3#  
141 491.9 74.4 111.6#

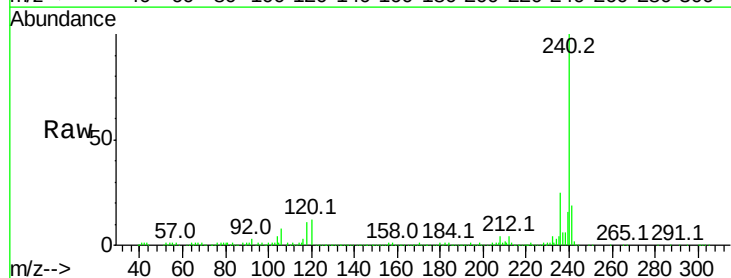


Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E

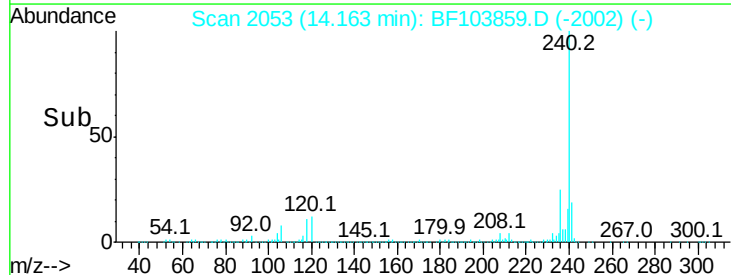
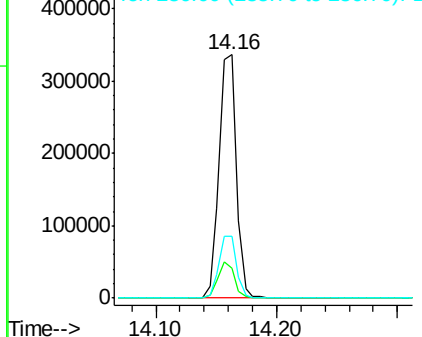


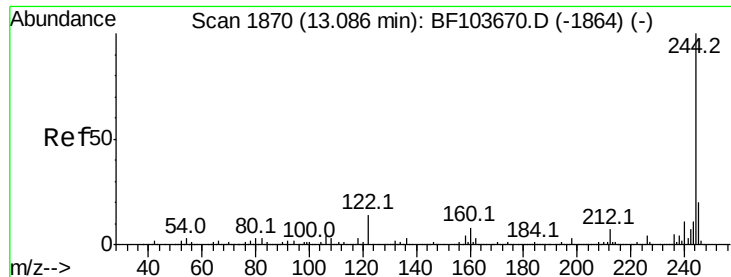
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.16 min Scan# 2053  
Delta R.T. 0.00 min  
Lab File: BF103859.D  
Acq: 22 Mar 2018 18:32

Tgt Ion:240 Resp: 331730  
Ion Ratio Lower Upper  
240 100  
120 12.0 9.5 14.3  
236 25.3 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

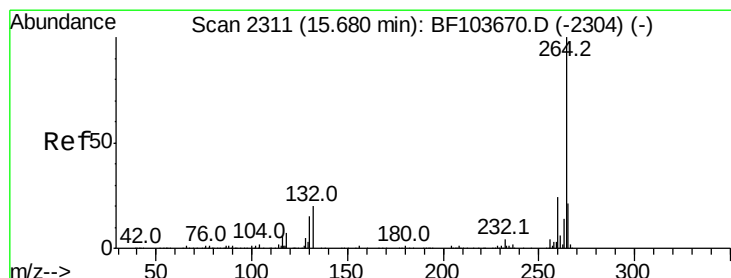
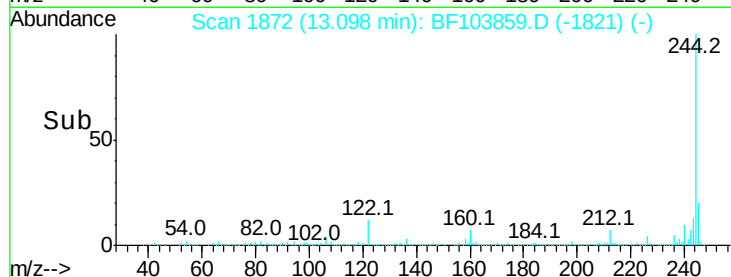
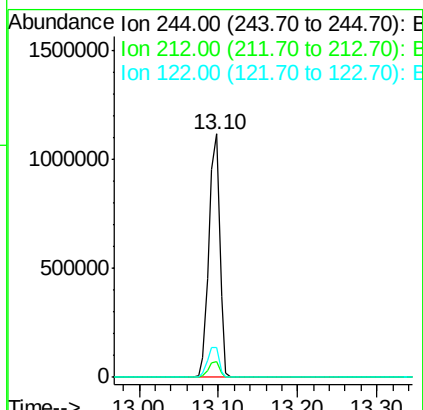
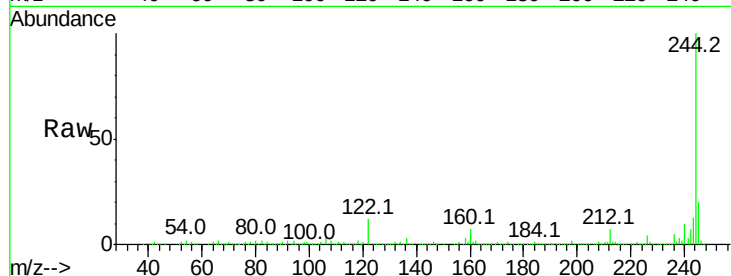




#78  
 Terphenyl-d14  
 Concen: 74.712 ng  
 RT: 13.10 min Scan# 1872  
 Delta R.T. 0.00 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

Tot Ion:244 Resp: 1067758

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.7   | 5.4   | 8.0   |
| 122 | 12.1  | 11.0  | 16.4  |



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.70 min Scan# 2315  
 Delta R.T. 0.01 min  
 Lab File: BF103859.D  
 Acq: 22 Mar 2018 18:32

Tgt Ion:264 Resp: 290723

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 24.7  | 19.2  | 28.8  |
| 265 | 21.4  | 17.5  | 26.3  |

