

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031318\  
 Data File : BF103625.D  
 Acq On : 14 Mar 2018 2:50  
 Operator : SJ/JU  
 Sample : J1896-01 50X  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 14 04:51:58 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 09 11:47:13 2018  
 Response via : Initial Calibration

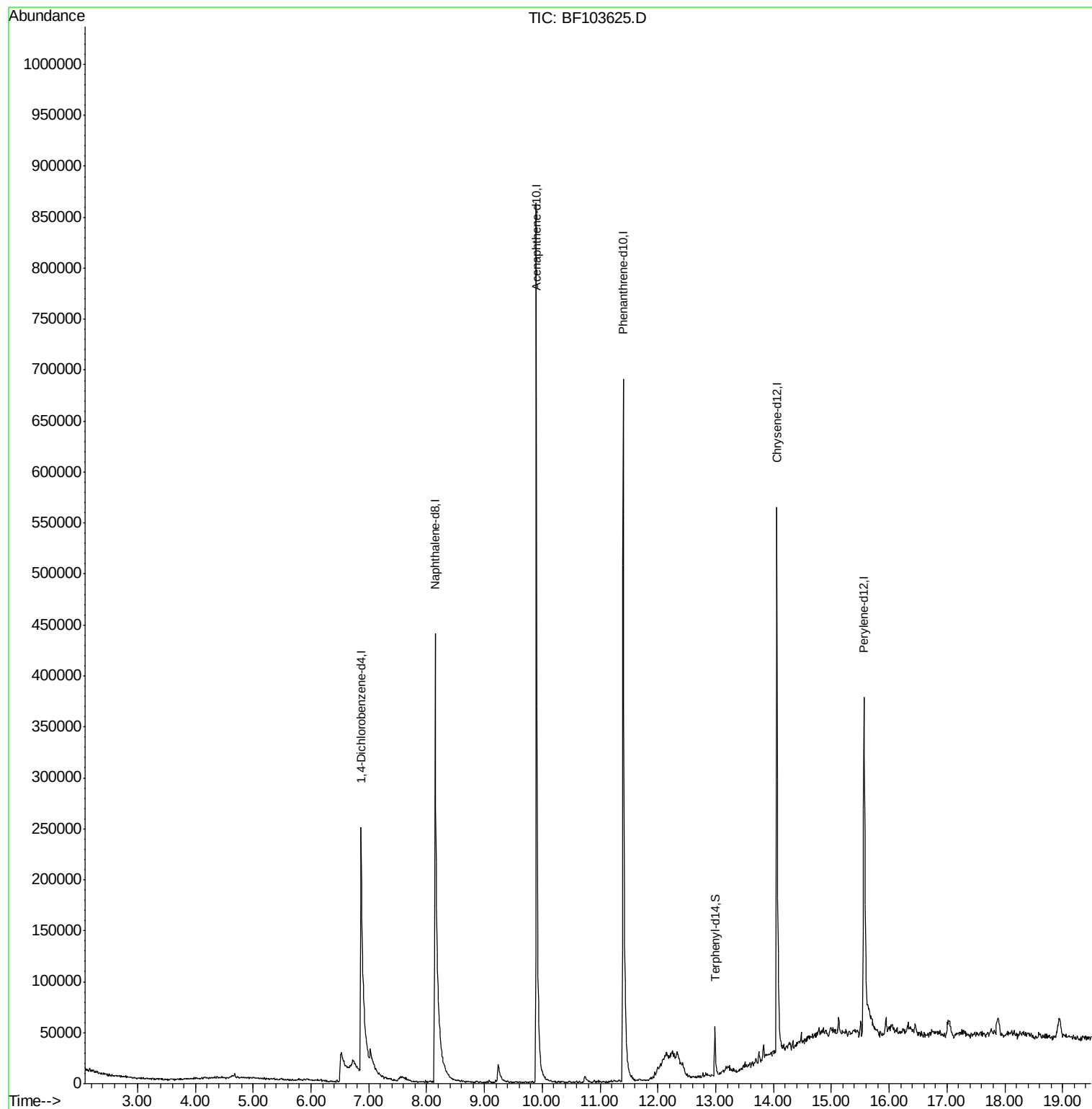
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.86  | 152  | 115331   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.15  | 136  | 586644   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.90  | 164  | 262054   | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.40 | 188  | 461518   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 14.06 | 240  | 263608   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.57 | 264  | 236345   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 0.00  | 112  | 0        | 0.00  | ng    |          |
| 7) Phenol-d6                | 6.70  | 99   | 5706     | 0.61  | ng    | 0.19     |
| 23) Nitrobenzene-d5         | 7.54  | 82   | 2685     | 0.26  | ng    | 0.10     |
| 41) 2,4,6-Tribromophenol    | 10.74 | 330  | 2071     | 0.93  | ng    | 0.04     |
| 44) 2-Fluorobiphenyl        | 9.23  | 172  | 24271    | -1.00 | ng    | 0.01     |
| 78) Terphenyl-d14           | 12.99 | 244  | 22837    | 2.08  | ng    | 0.00     |

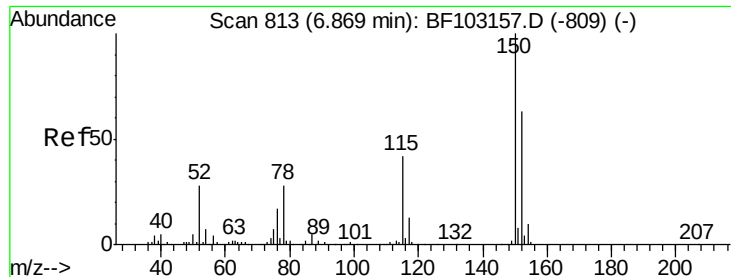
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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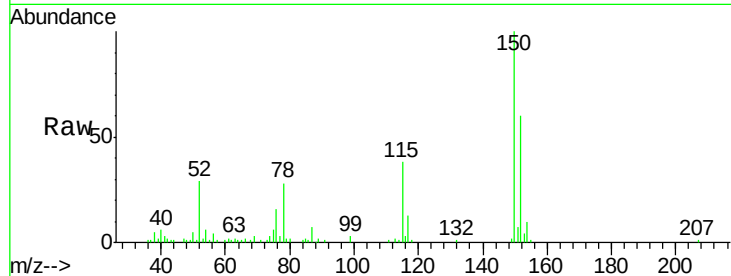




#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.86 min Scan# 812  
Delta R.T. -0.00 min  
Lab File: BF103625.D  
Acq: 14 Mar 2018 2:50

| Tot Ion | 152   | Resp  | 115331 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 152     | 100   |       |        |
| 150     | 165.3 | 124.6 | 186.8  |
| 115     | 63.2  | 50.1  | 75.1   |

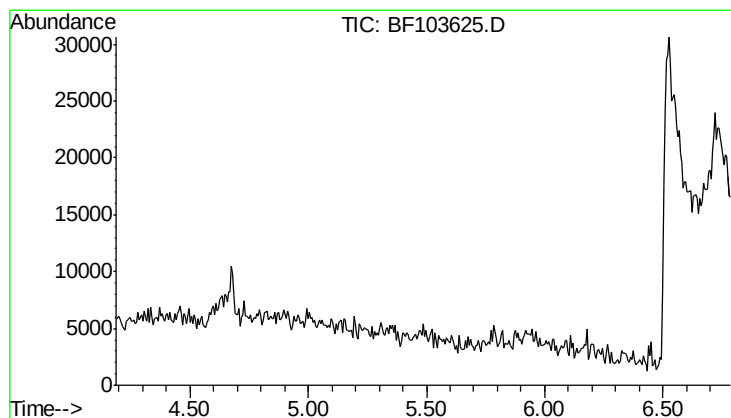
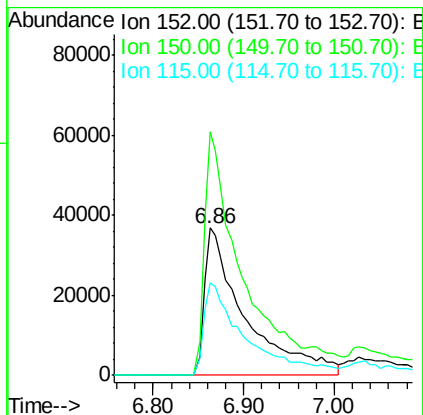
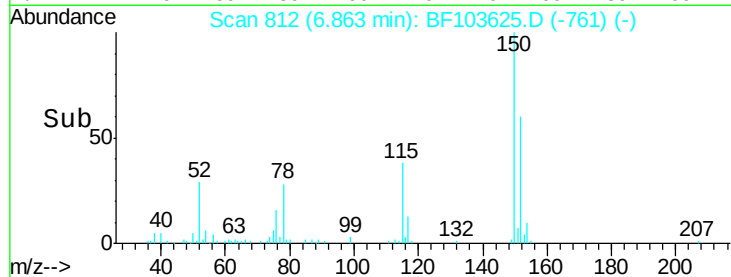


Abundance

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

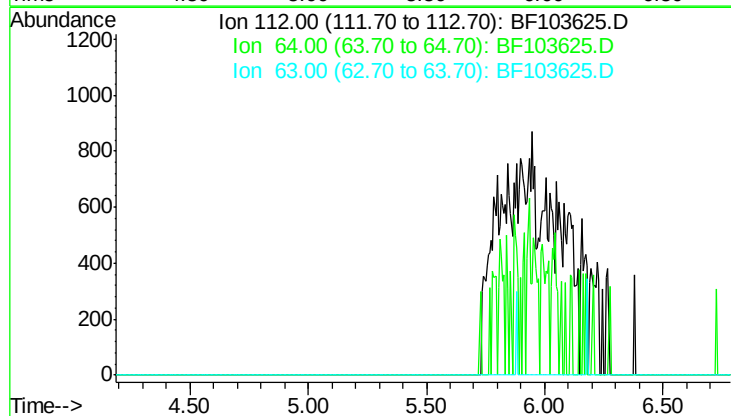


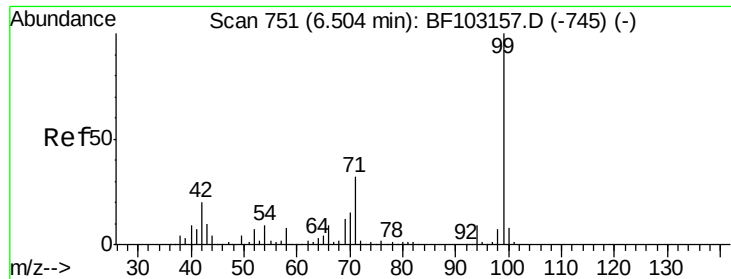
#5

2-Fluorophenol  
Concen: 0.000 ng  
Expected RT: 5.49 min

Lab File: BF103625.D  
Acq: 14 Mar 2018 2:50

| Tgt Ion | 112  | Sig | Exp Ratio |
|---------|------|-----|-----------|
| 112     | 100  |     |           |
| 64      | 59.9 |     |           |
| 63      | 29.6 |     |           |





#7

Phenol-d6

Concen: 0.612 ng

RT: 6.70 min Scan# 784

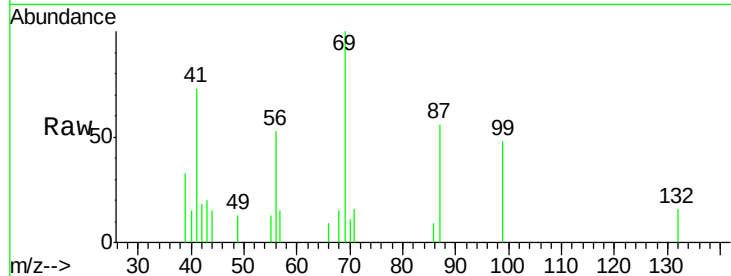
Delta R.T. 0.19 min

Lab File: BF103625.D

Acq: 14 Mar 2018 2:50

Tot Ion: 99 Resp: 5706

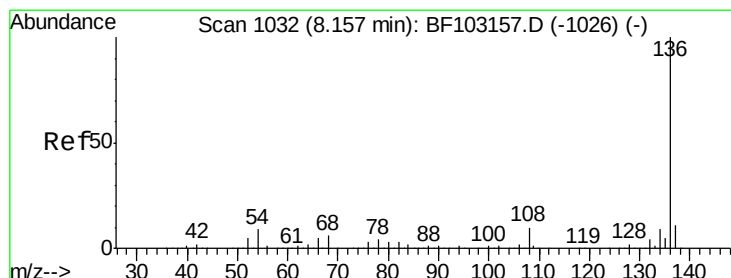
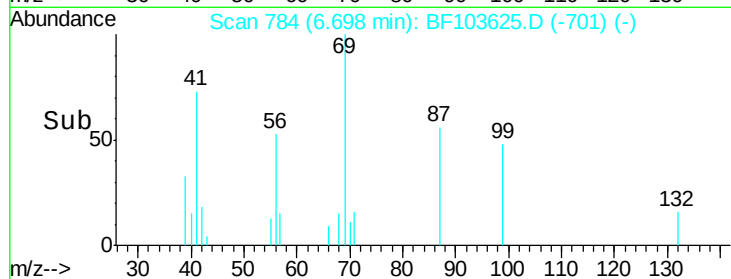
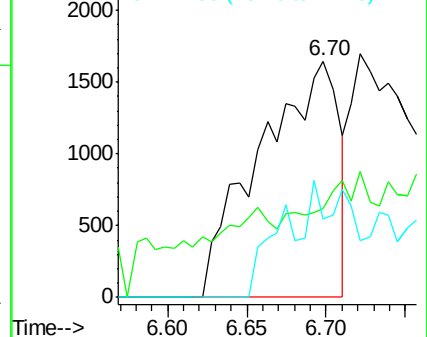
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 37.7  | 14.5  | 21.7# |
| 71  | 33.0  | 25.4  | 38.0  |



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF103625.D

Acq: 14 Mar 2018 2:50

Tgt Ion: 136 Resp: 586644

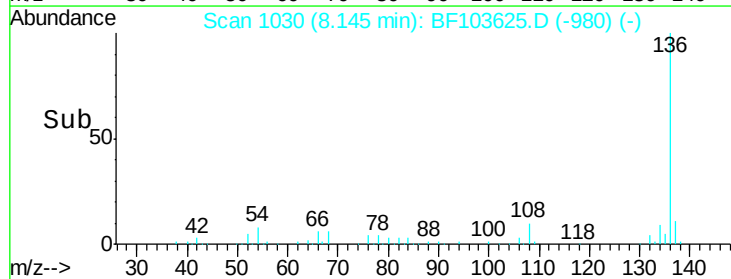
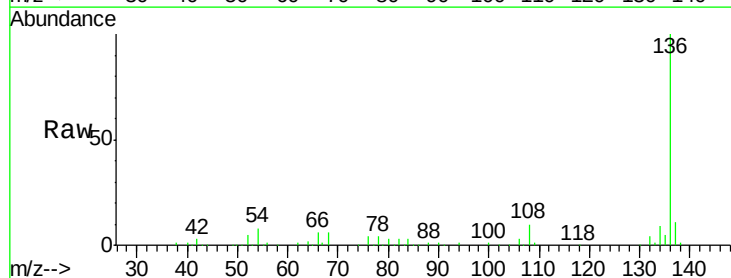
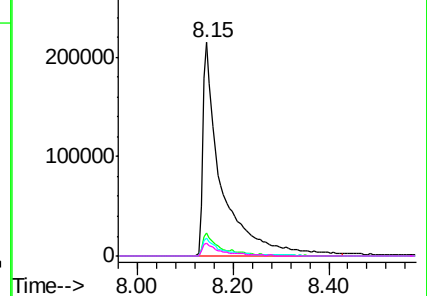
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 10.8  | 8.9   | 13.3  |
| 54  | 8.4   | 6.6   | 9.8   |
| 68  | 6.0   | 5.0   | 7.4   |

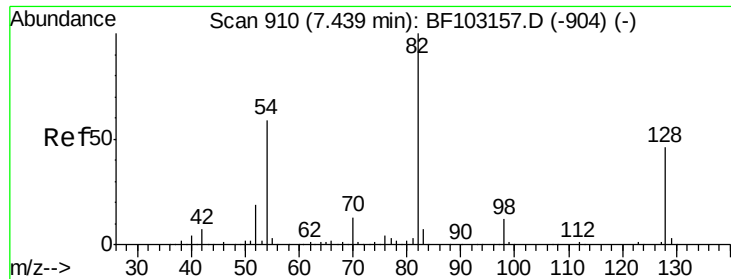
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

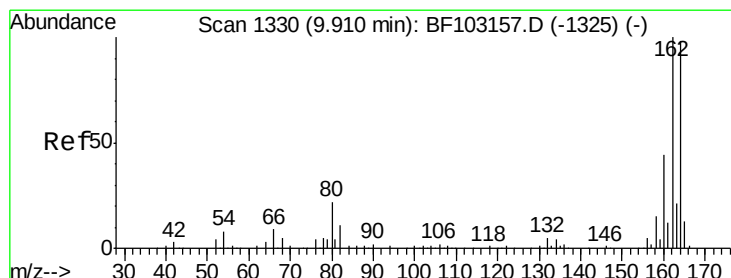
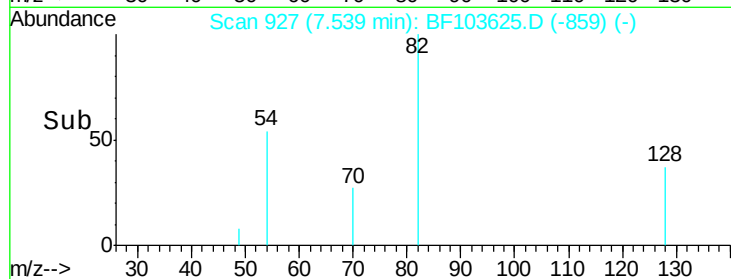
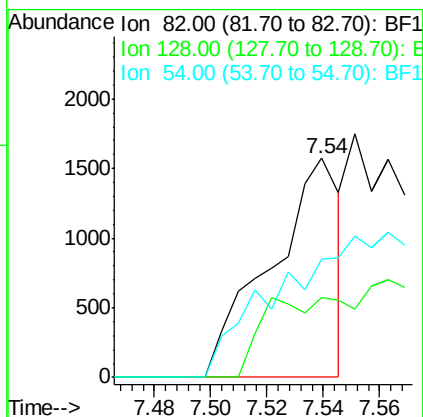
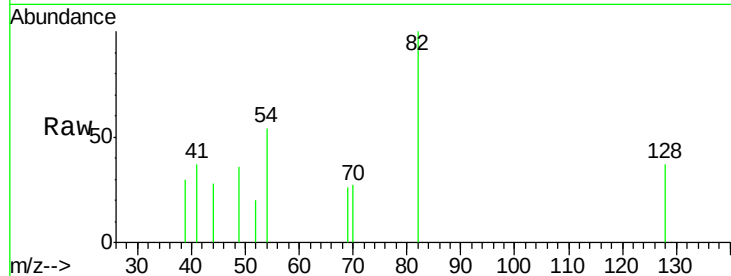
Ion 68.00 (67.70 to 68.70): BF1





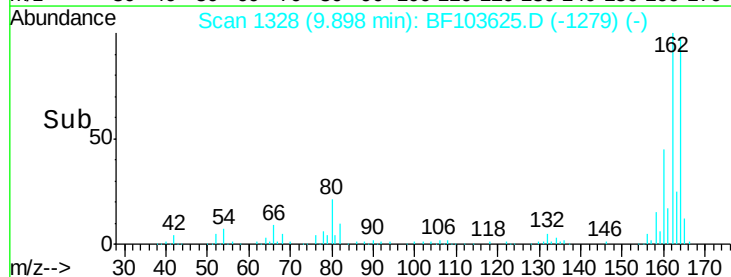
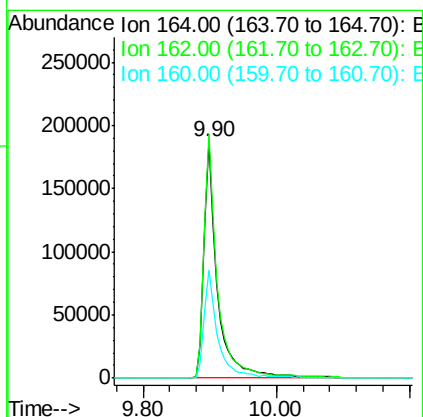
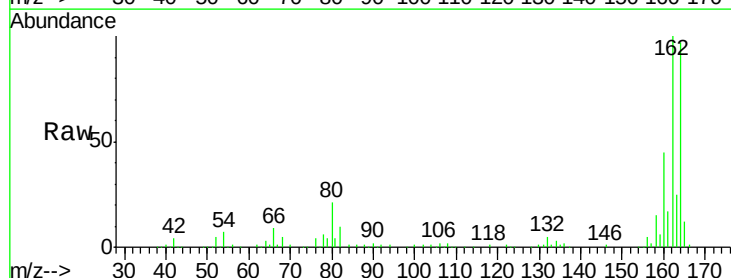
#23  
 Nitrobenzene-d5  
 Concen: 0.261 ng  
 RT: 7.54 min Scan# 927  
 Delta R.T. 0.10 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

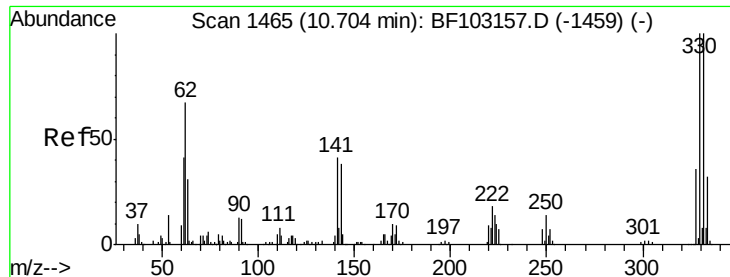
Tot Ion: 82 Resp: 2685  
 Ion Ratio Lower Upper  
 82 100  
 128 36.6 36.1 54.1  
 54 54.1 41.4 62.2



#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.90 min Scan# 1328  
 Delta R.T. -0.01 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

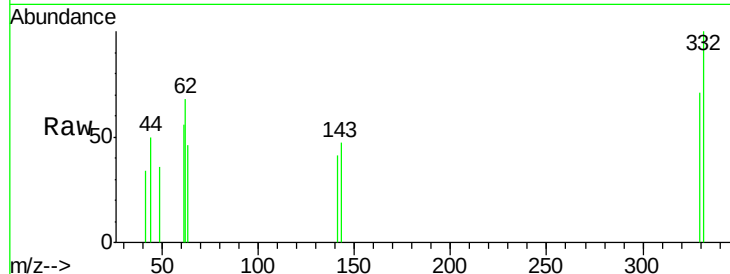
Tgt Ion: 164 Resp: 262054  
 Ion Ratio Lower Upper  
 164 100  
 162 103.0 86.1 129.1  
 160 45.9 38.3 57.5



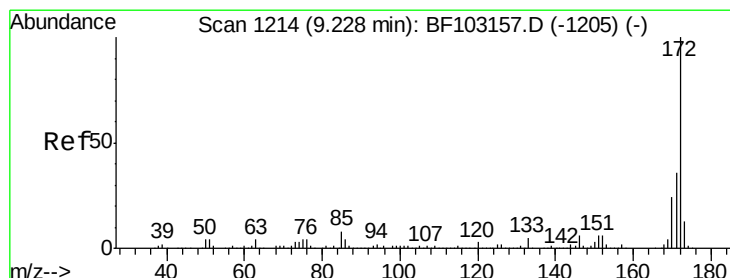
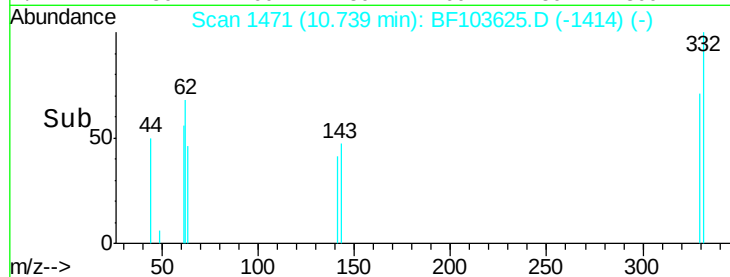
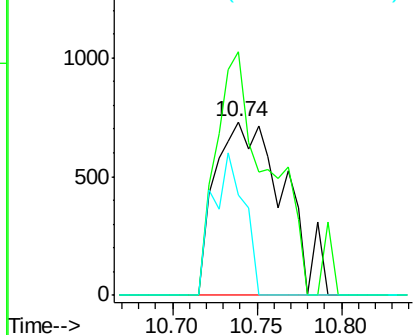


#41  
 2,4,6-Tribromophenol  
 Concen: 0.934 ng  
 RT: 10.74 min Scan# 1471  
 Delta R.T. 0.04 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

Tot Ion:330 Resp: 2071  
 Ion Ratio Lower Upper  
 330 100  
 332 105.0 77.0 115.6  
 141 37.5 29.9 44.9

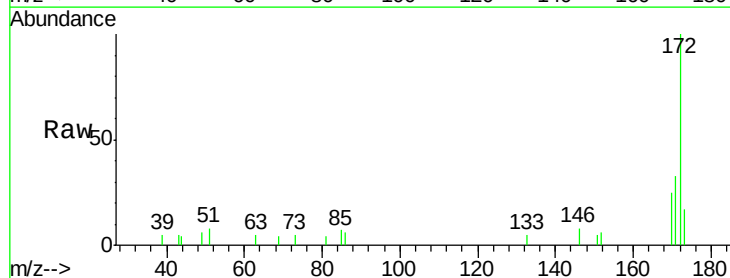


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

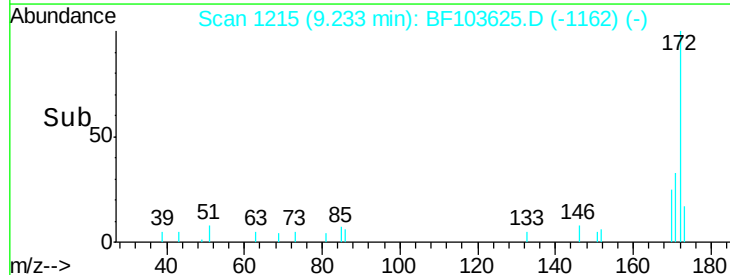
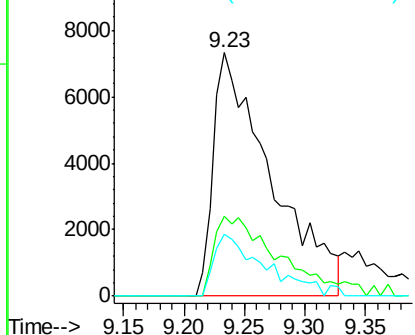


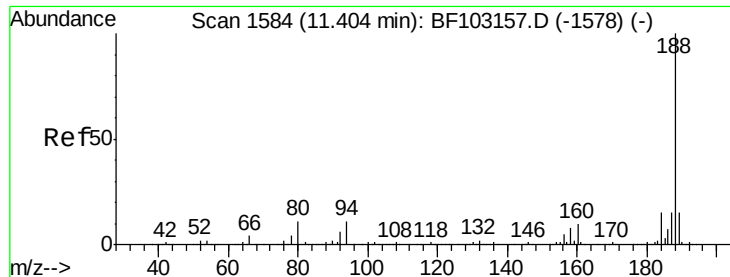
#44  
 2-Fluorobiphenyl  
 Concen: -1.000 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. 0.01 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

Tgt Ion:172 Resp: 24271  
 Ion Ratio Lower Upper  
 172 100  
 171 32.6 29.7 44.5  
 170 25.3 19.6 29.4



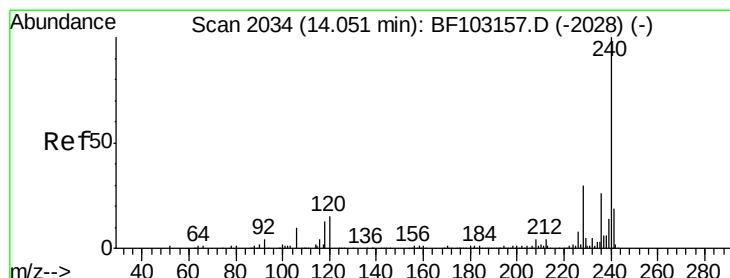
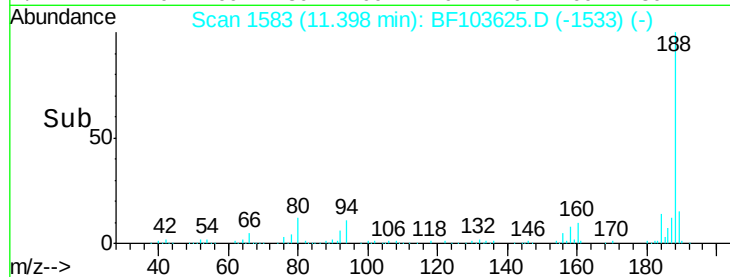
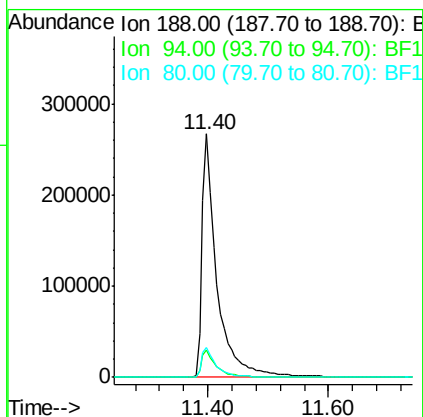
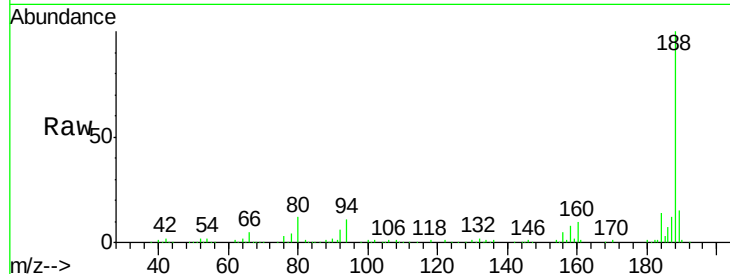
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E





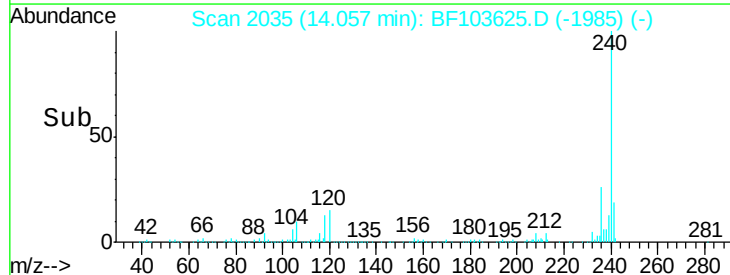
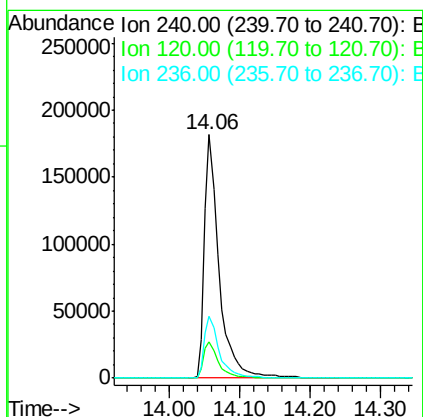
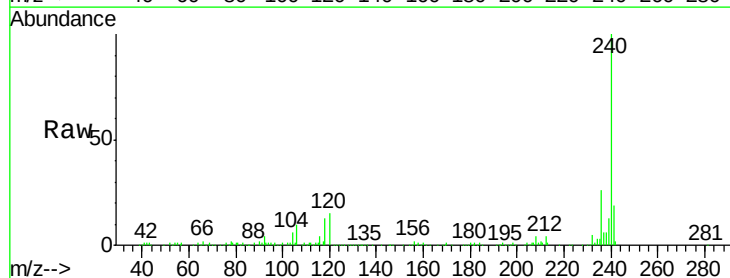
#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.40 min Scan# 1583  
 Delta R.T. -0.01 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

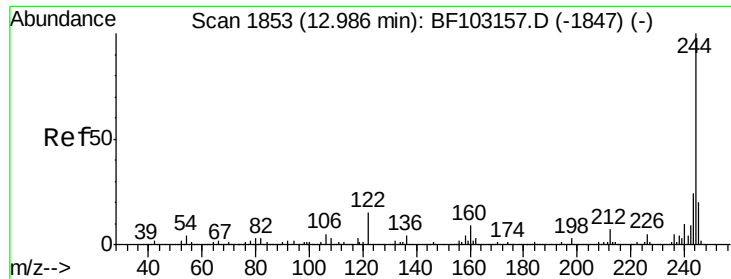
Tot Ion:188 Resp: 461518  
 Ion Ratio Lower Upper  
 188 100  
 94 11.1 8.5 12.7  
 80 12.0 9.2 13.8



#75  
 Chrysene-d12  
 Concen: 20.000 ng  
 RT: 14.06 min Scan# 2035  
 Delta R.T. -0.01 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

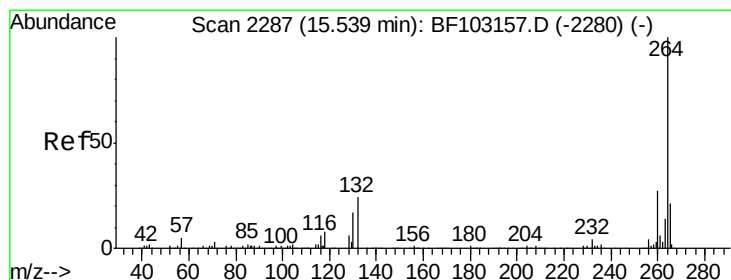
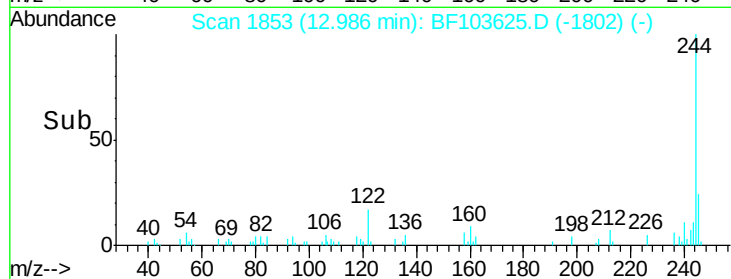
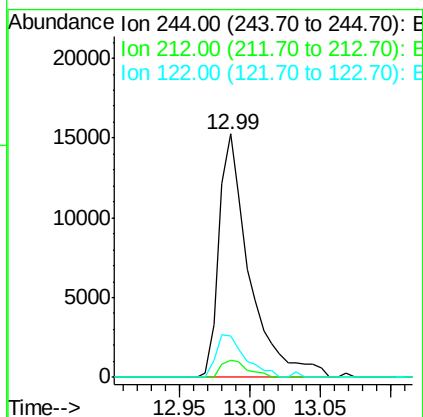
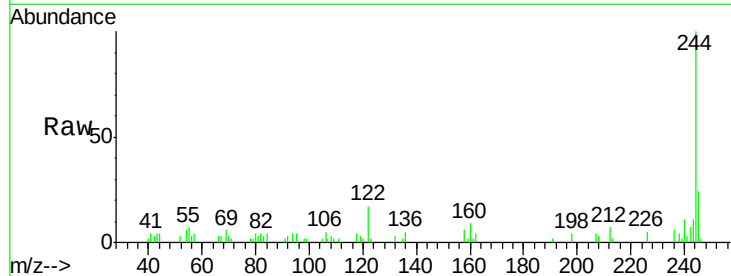
Tgt Ion:240 Resp: 263608  
 Ion Ratio Lower Upper  
 240 100  
 120 14.9 9.5 14.3#  
 236 25.6 20.7 31.1





#78  
 Terphenyl-d14  
 Concen: 2.083 ng  
 RT: 12.99 min Scan# 1853  
 Delta R.T. -0.00 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

Tot Ion:244 Resp: 22837  
 Ion Ratio Lower Upper  
 244 100  
 212 7.2 5.4 8.0  
 122 16.8 11.0 16.4#



#86  
 Perylene-d12  
 Concen: 20.000 ng  
 RT: 15.57 min Scan# 2292  
 Delta R.T. -0.00 min  
 Lab File: BF103625.D  
 Acq: 14 Mar 2018 2:50

Tgt Ion:264 Resp: 236345  
 Ion Ratio Lower Upper  
 264 100  
 260 24.2 19.2 28.8  
 265 20.7 17.5 26.3

