

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\  
 Data File : BF104907.D  
 Acq On : 28 Apr 2018 3:55  
 Operator : JU/SJ  
 Sample : J2592-01 100X  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Apr 28 05:03:36 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 27 17:16:11 2018  
 Response via : Initial Calibration

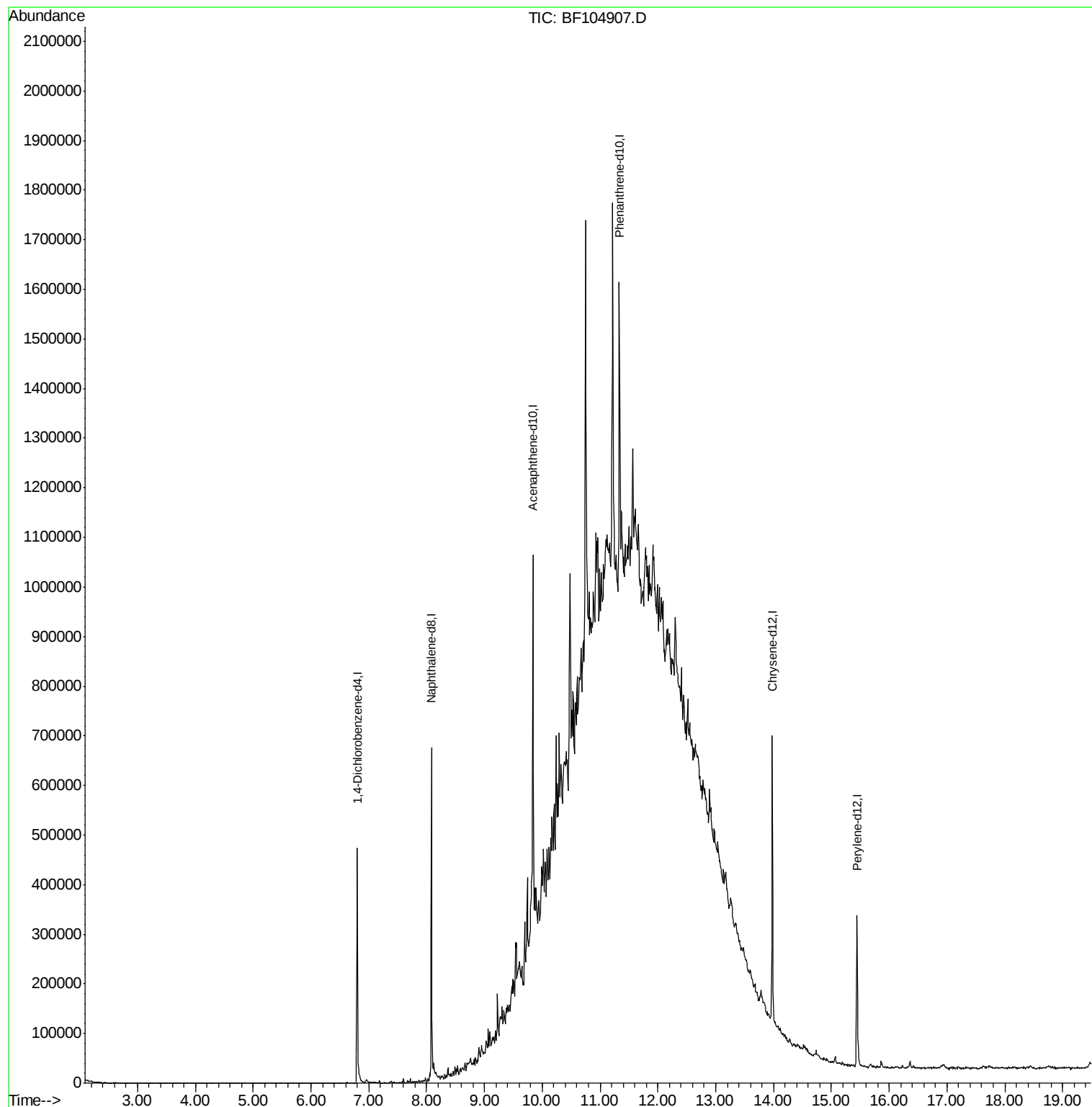
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 84859    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.08  | 136  | 344434   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.84  | 164  | 133156   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.33 | 188  | 195681   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.98 | 240  | 194791   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.44 | 264  | 151420   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.44  | 112  | 420      | 0.08  | ng    | 0.03     |
| 7) Phenol-d6                | 6.49  | 99   | 824      | 0.12  | ng    | 0.04     |
| 23) Nitrobenzene-d5         | 7.38  | 82   | 618      | 0.12  | ng    | 0.01     |
| 41) 2,4,6-Tribromophenol    | 10.64 | 330  | 143      | 0.10  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 3432     | 0.41  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 4568     | 0.53  | ng    | 0.00     |

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

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

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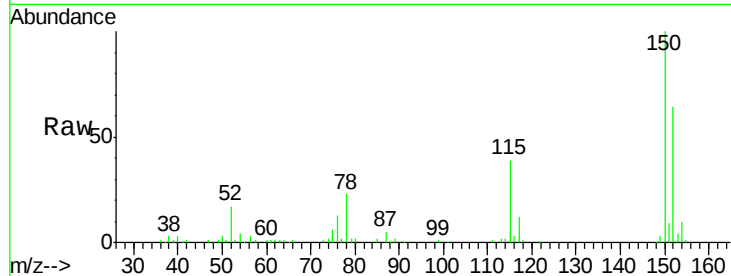
Quant Time: Apr 28 05:03:36 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
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Response via : Initial Calibration



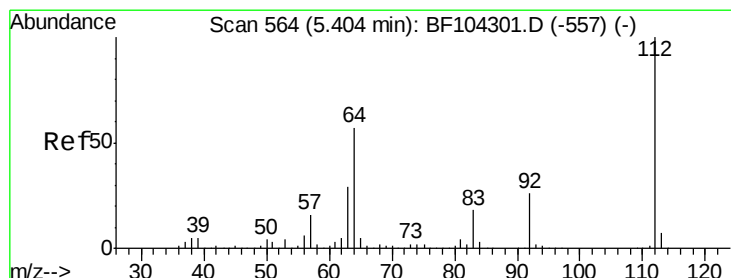
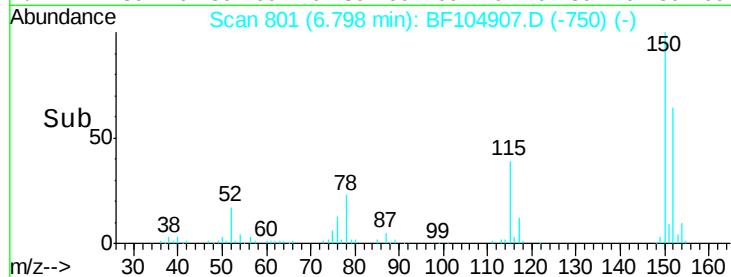
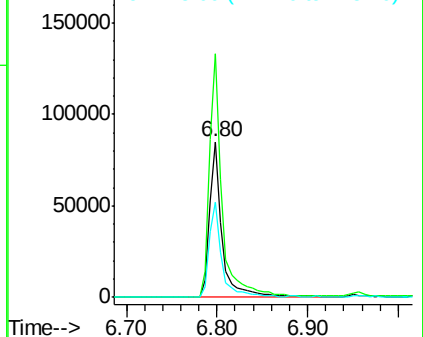


#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.80 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: BF104907.D  
 Acq: 28 Apr 2018 3:55

Tot Ion:152 Resp: 84859  
 Ion Ratio Lower Upper  
 152 100  
 150 156.3 124.6 186.8  
 115 60.7 50.1 75.1

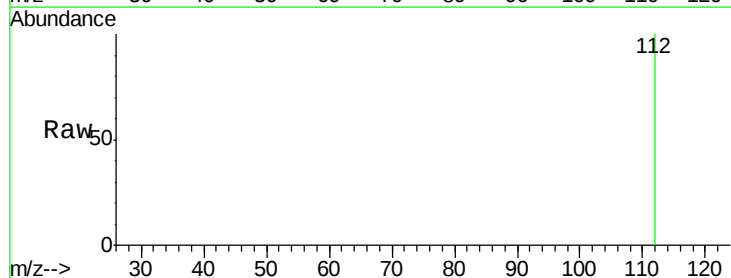


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

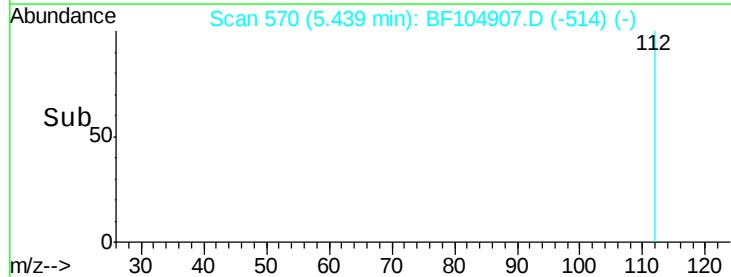
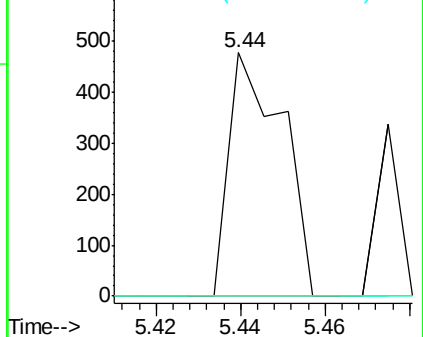


#5  
 2-Fluorophenol  
 Concen: 0.076 ng  
 RT: 5.44 min Scan# 570  
 Delta R.T. 0.03 min  
 Lab File: BF104907.D  
 Acq: 28 Apr 2018 3:55

Tgt Ion:112 Resp: 420  
 Ion Ratio Lower Upper  
 112 100  
 64 0.0 47.9 71.9#  
 63 0.0 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: 0.121 ng

RT: 6.49 min Scan# 748

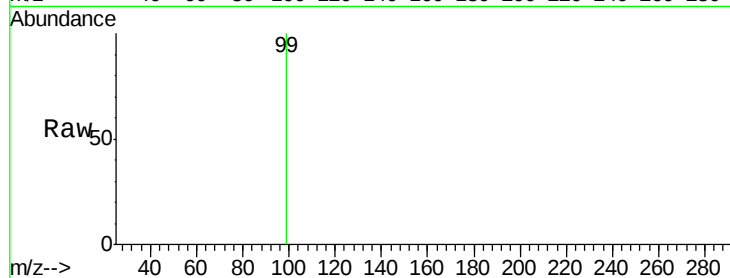
Delta R.T. 0.04 min

Lab File: BF104907.D

Acq: 28 Apr 2018 3:55

Tot Ion: 99 Resp: 824

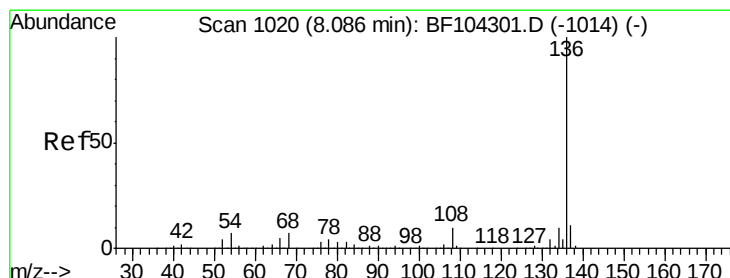
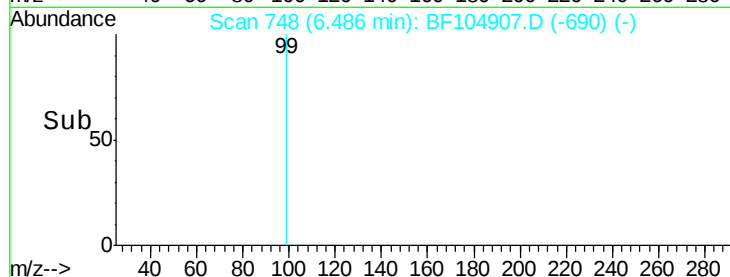
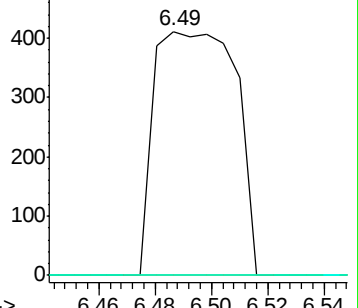
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 0.0   | 14.5  | 21.7# |
| 71  | 0.0   | 25.4  | 38.0# |



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: 8.08 min Scan# 1019

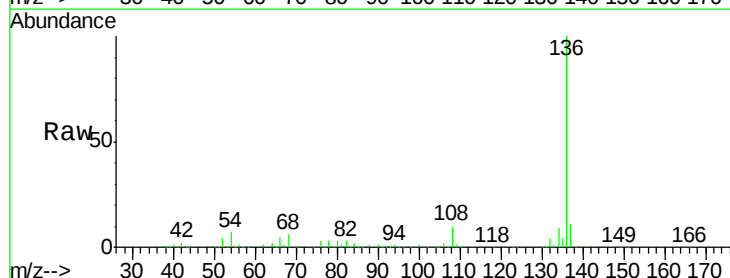
Delta R.T. -0.01 min

Lab File: BF104907.D

Acq: 28 Apr 2018 3:55

Tgt Ion: 136 Resp: 344434

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 136 | 100   |       |       |
| 137 | 11.1  | 8.9   | 13.3  |
| 54  | 6.6   | 6.6   | 9.8   |
| 68  | 5.7   | 5.0   | 7.4   |

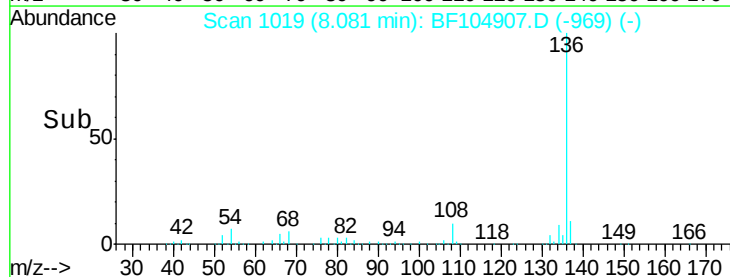
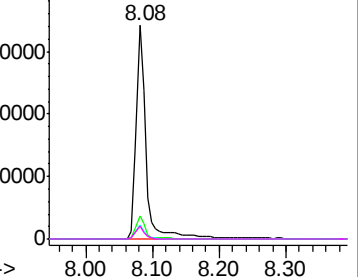


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

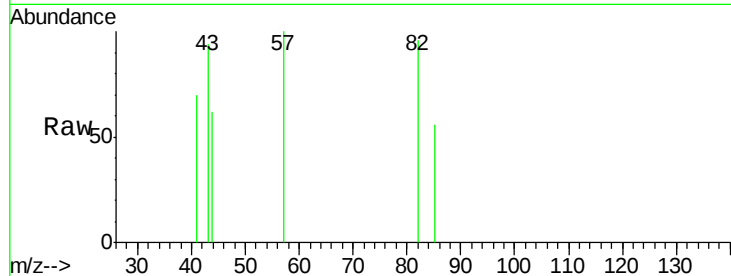
Ion 68.00 (67.70 to 68.70): BF1



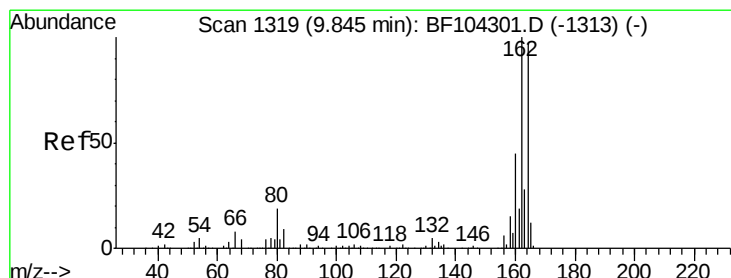
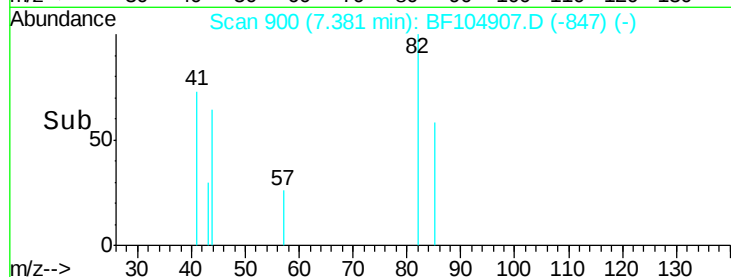
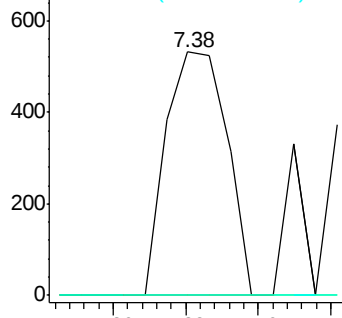


#23  
 Nitrobenzene-d5  
 Concen: 0.117 ng  
 RT: 7.38 min Scan# 900  
 Delta R.T. 0.01 min  
 Lab File: BF104907.D  
 Acq: 28 Apr 2018 3:55

Tot Ion: 82 Resp: 618  
 Ion Ratio Lower Upper  
 82 100  
 128 0.0 36.1 54.1#  
 54 0.0 41.4 62.2#

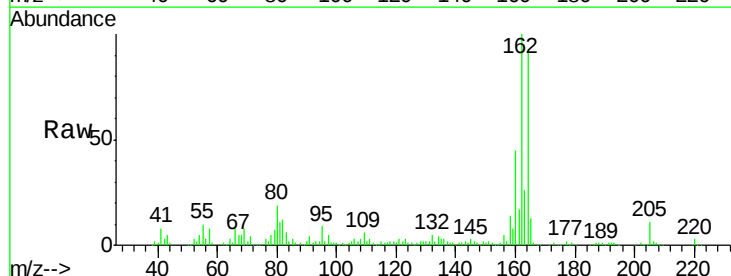


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

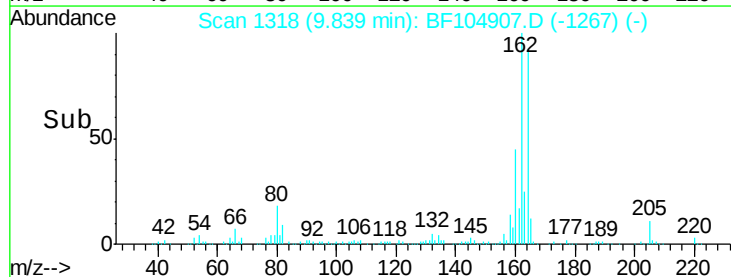
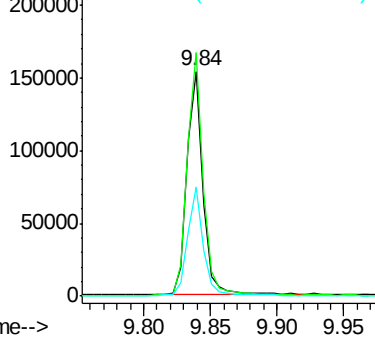


#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.84 min Scan# 1318  
 Delta R.T. 0.00 min  
 Lab File: BF104907.D  
 Acq: 28 Apr 2018 3:55

Tgt Ion: 164 Resp: 133156  
 Ion Ratio Lower Upper  
 164 100  
 162 108.3 86.1 129.1  
 160 48.4 38.3 57.5



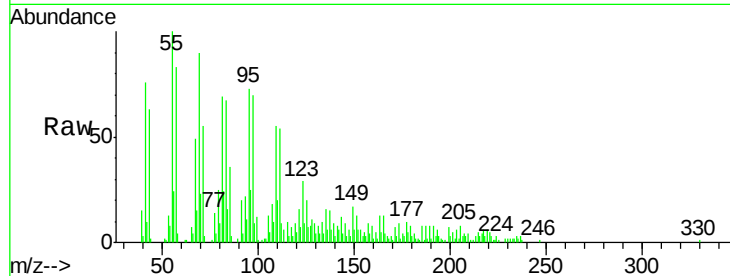
Abundance Ion 164.00 (163.70 to 164.70): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1



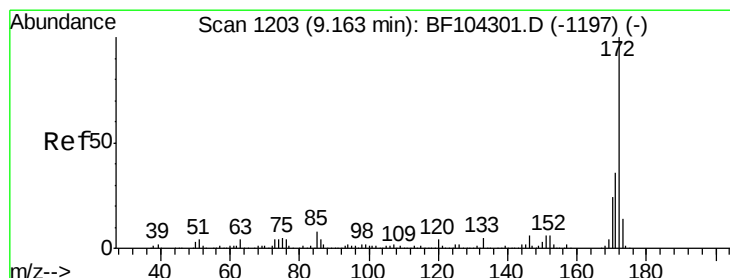
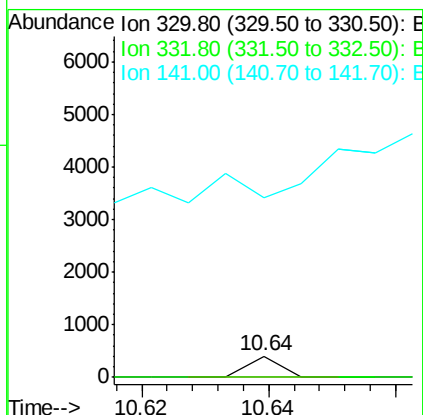
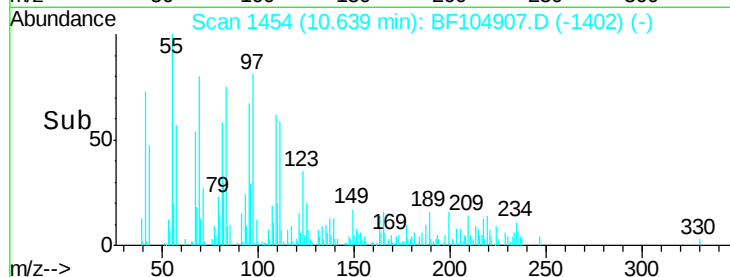


#41  
 2,4,6-Tribromophenol  
 Concen: 0.104 ng  
 RT: 10.64 min Scan# 1454  
 Delta R.T. 0.01 min  
 Lab File: BF104907.D  
 Acq: 28 Apr 2018 3:55

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 330     | 100   |       |        |
| 332     | 0.0   | 77.0  | 115.6# |
| 141     | 0.0   | 29.9  | 44.9#  |

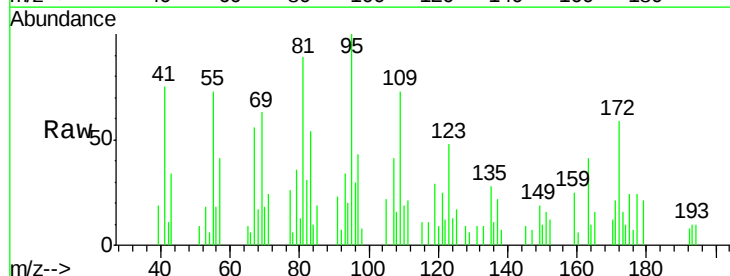


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

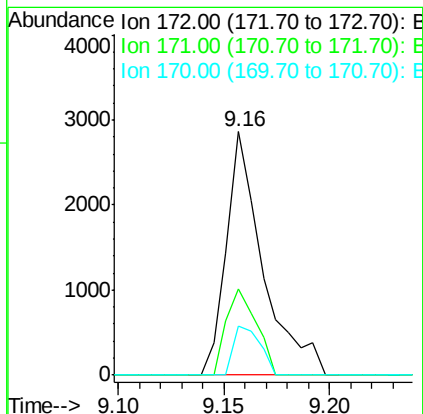
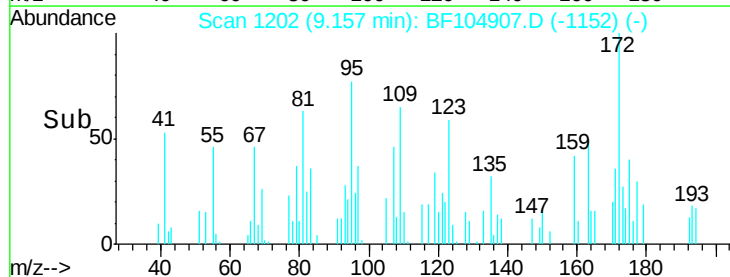


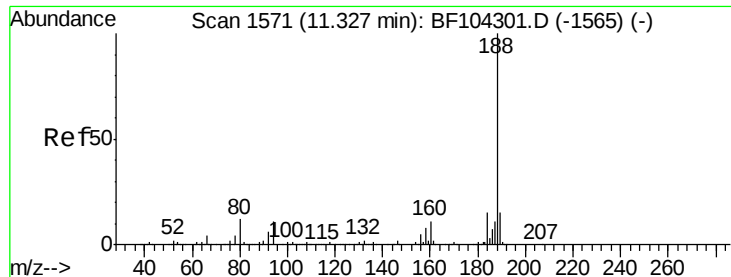
#44  
 2-Fluorobiphenyl  
 Concen: 0.407 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF104907.D  
 Acq: 28 Apr 2018 3:55

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 29.7  | 44.5  |
| 170     | 20.0  | 19.6  | 29.4  |



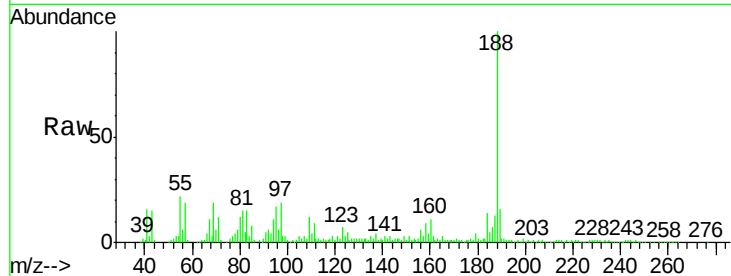
Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E



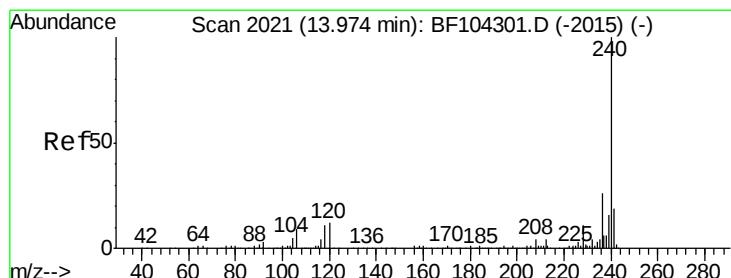
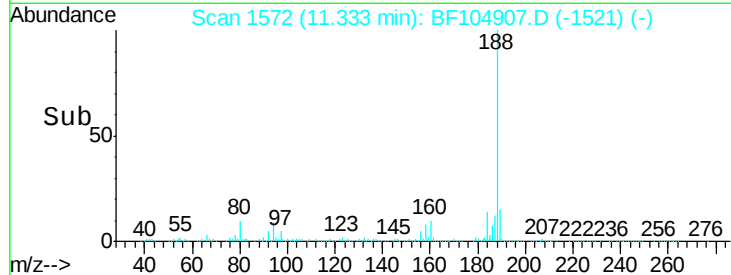
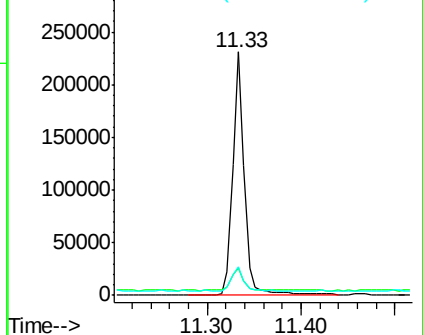


#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.33 min Scan# 1572  
Delta R.T. 0.00 min  
Lab File: BF104907.D  
Acq: 28 Apr 2018 3:55

Tot Ion:188 Resp: 195681  
Ion Ratio Lower Upper  
188 100  
94 11.3 8.5 12.7  
80 11.8 9.2 13.8

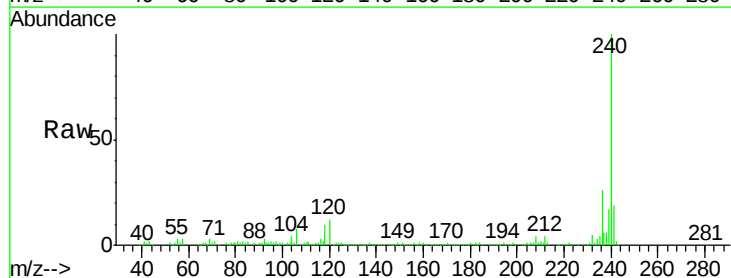


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF1  
Ion 80.00 (79.70 to 80.70): BF1

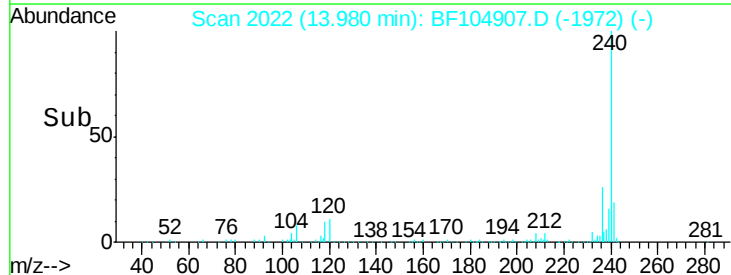
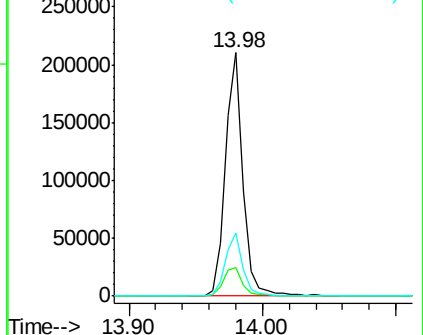


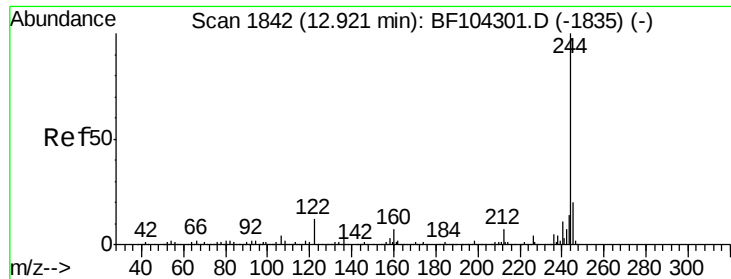
#75  
Chrysene-d12  
Concen: 20.000 ng  
RT: 13.98 min Scan# 2022  
Delta R.T. -0.01 min  
Lab File: BF104907.D  
Acq: 28 Apr 2018 3:55

Tgt Ion:240 Resp: 194791  
Ion Ratio Lower Upper  
240 100  
120 11.7 9.5 14.3  
236 25.8 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: 0.535 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF104907.D

Acq: 28 Apr 2018 3:55

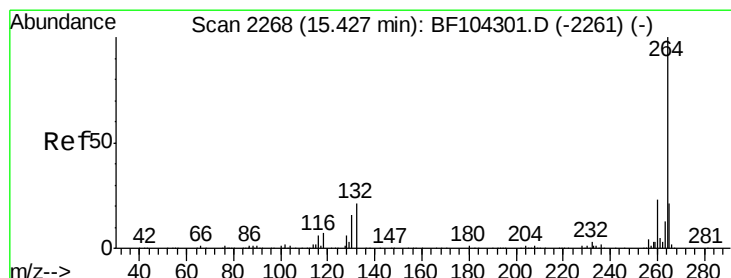
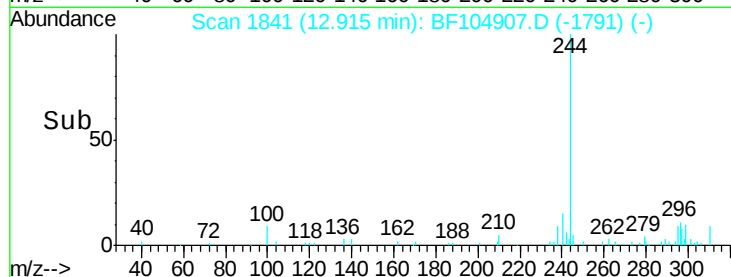
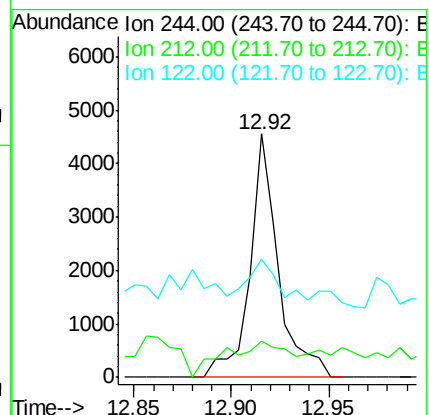
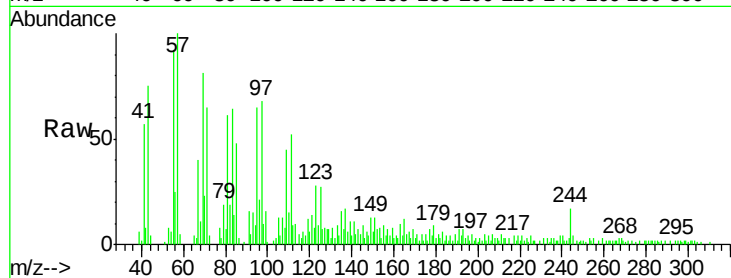
Tot Ion:244 Resp: 4568

Ion Ratio Lower Upper

244 100

212 15.1 5.4 8.0#

122 48.8 11.0 16.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF104907.D

Acq: 28 Apr 2018 3:55

Tgt Ion:264 Resp: 151420

Ion Ratio Lower Upper

264 100

260 23.4 19.2 28.8

265 21.1 17.5 26.3

