

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042718\  
 Data File : BF104911.D  
 Acq On : 28 Apr 2018 5:41  
 Operator : JU/SJ  
 Sample : J2515-05  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

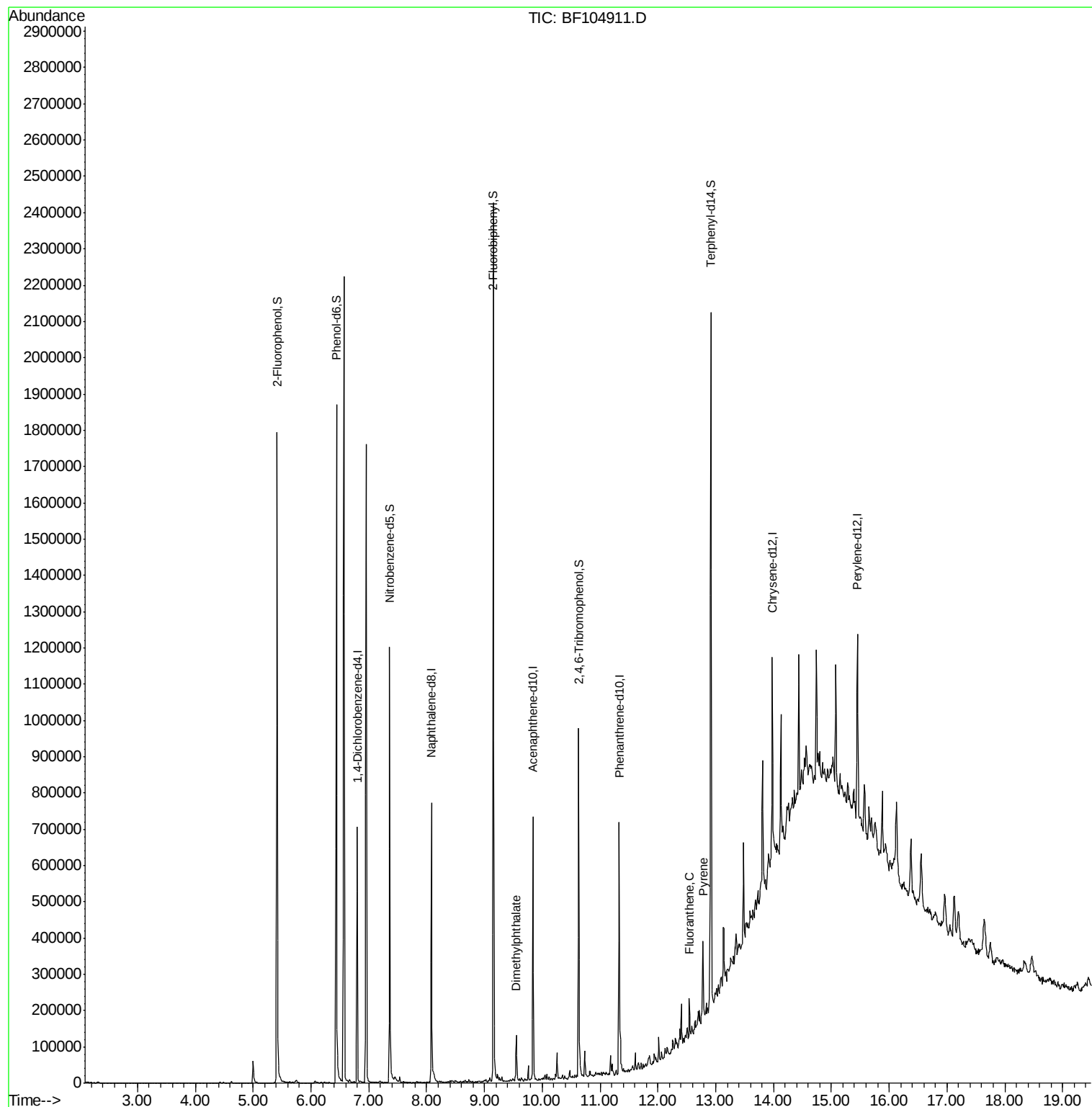
Quant Time: Apr 28 06:52:08 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 27 17:16:11 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.80  | 152  | 100995   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.08  | 136  | 382818   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.84  | 164  | 146222   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.33 | 188  | 249479   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 13.98 | 240  | 196770   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 15.46 | 264  | 132797   | 20.00 | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 593898   | 89.92 | ng    | 0.00     |
| 7) Phenol-d6                | 6.44  | 99   | 699214   | 86.16 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 416766   | 71.09 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.63 | 330  | 136855   | 90.23 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.16  | 172  | 718859   | 77.66 | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.92 | 244  | 628433   | 72.81 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       | Qvalue   |
| 49) Dimethylphthalate       | 9.55  | 163  | 48342    | 4.192 | ng    | 99       |
| 74) Fluoranthene            | 12.54 | 202  | 37472    | 2.581 | ng    | 94       |
| 77) Pyrene                  | 12.77 | 202  | 38085    | 2.611 | ng    | 96       |

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

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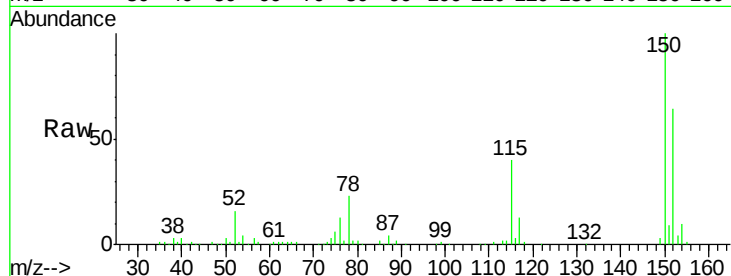




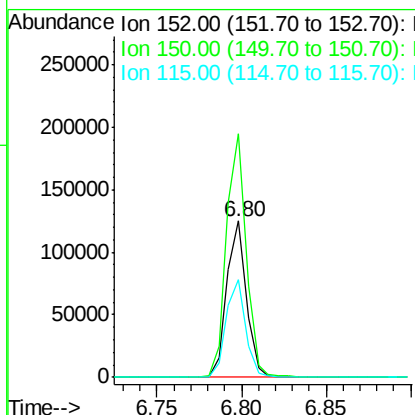
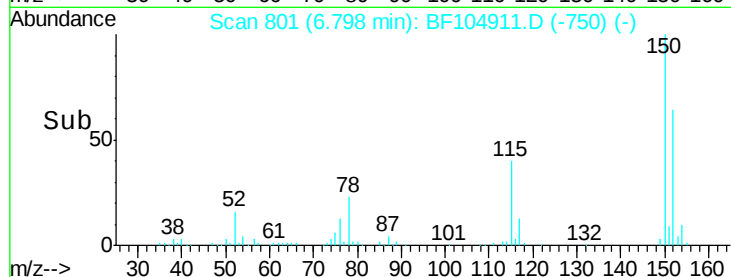
#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.80 min Scan# 801  
Delta R.T. 0.00 min  
Lab File: BF104911.D  
Acq: 28 Apr 2018 5:41

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.9 | 124.6 | 186.8 |
| 115     | 62.3  | 50.1  | 75.1  |



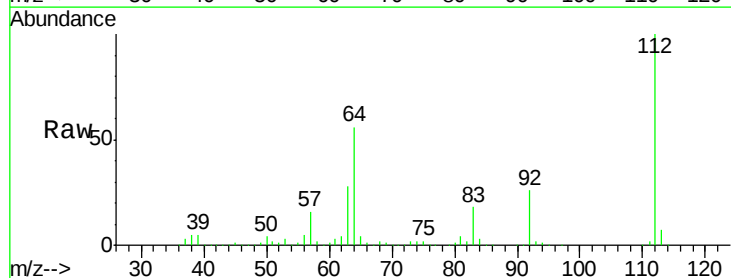
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



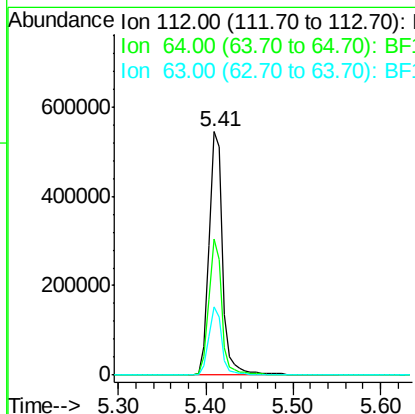
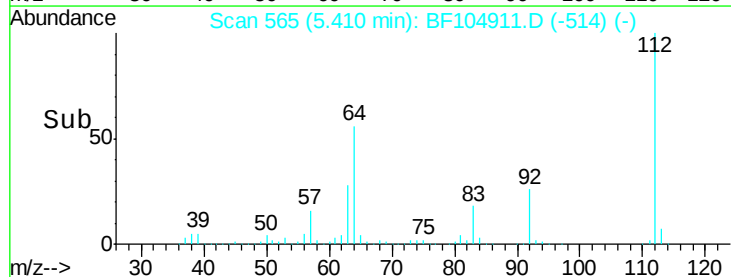
#5

2-Fluorophenol  
Concen: 89.916 ng  
RT: 5.41 min Scan# 565  
Delta R.T. 0.00 min  
Lab File: BF104911.D  
Acq: 28 Apr 2018 5:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 55.7  | 47.9  | 71.9  |
| 63      | 28.2  | 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: 86.158 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

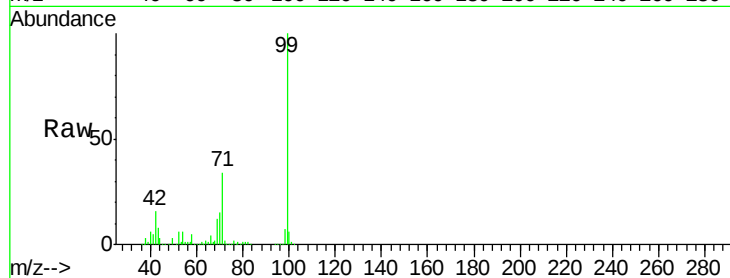
Tot Ion: 99 Resp: 699214

Ion Ratio Lower Upper

99 100

42 15.8 14.5 21.7

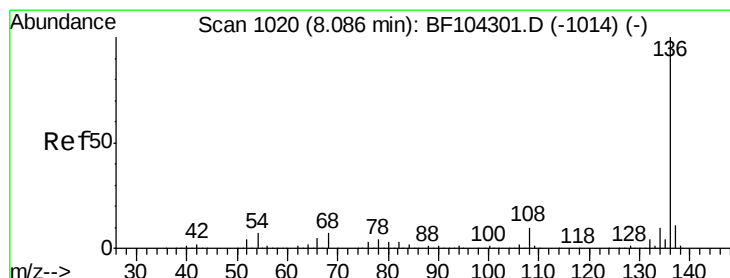
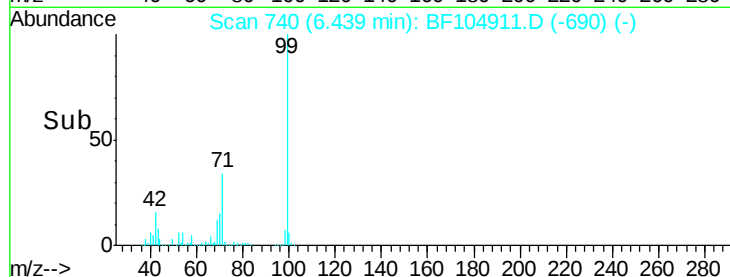
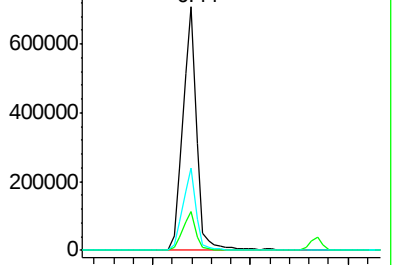
71 33.8 25.4 38.0



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: BF104911.D

Acq: 28 Apr 2018 5:41

Tgt Ion: 136 Resp: 382818

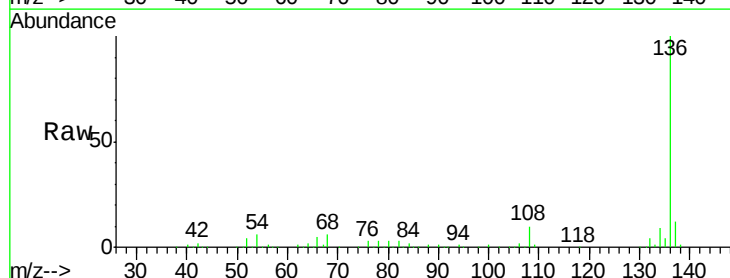
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 6.1 6.6 9.8#

68 6.0 5.0 7.4

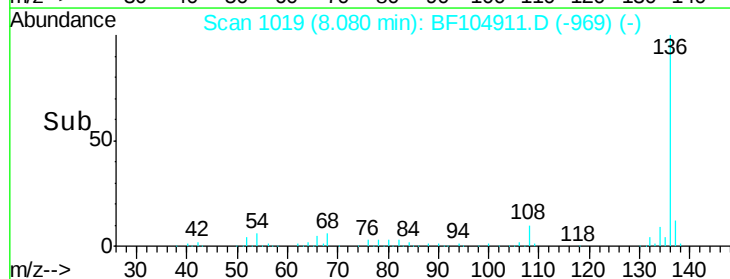
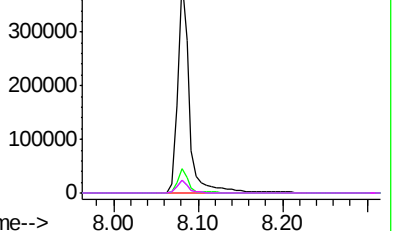


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.089 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

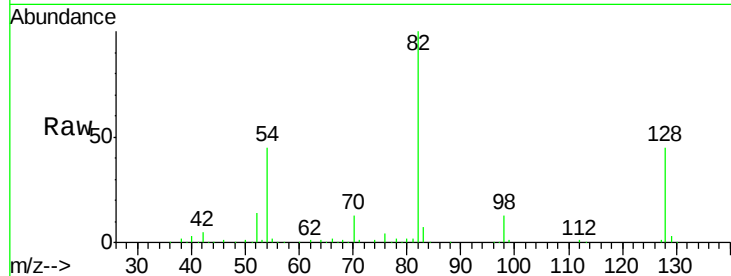
Tot Ion: 82 Resp: 416766

Ion Ratio Lower Upper

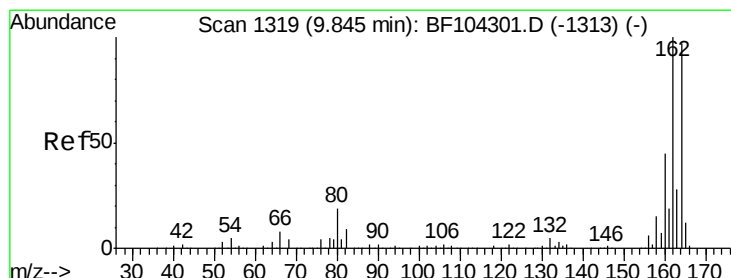
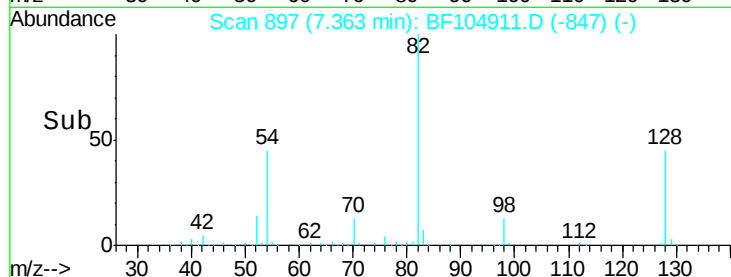
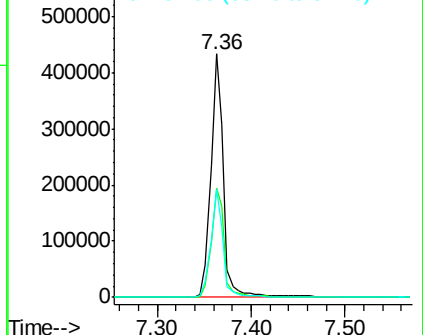
82 100

128 44.7 36.1 54.1

54 44.5 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: BF104911.D

Acq: 28 Apr 2018 5:41

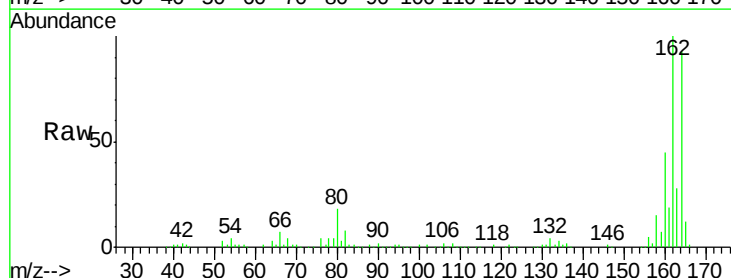
Tgt Ion: 164 Resp: 146222

Ion Ratio Lower Upper

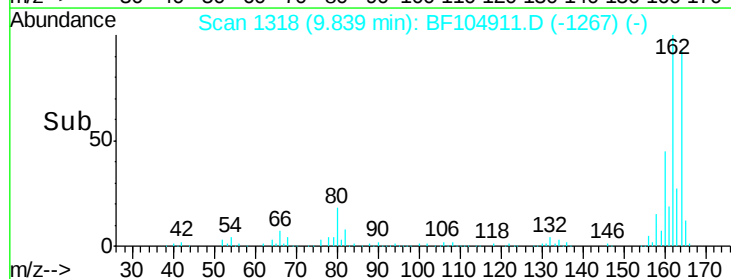
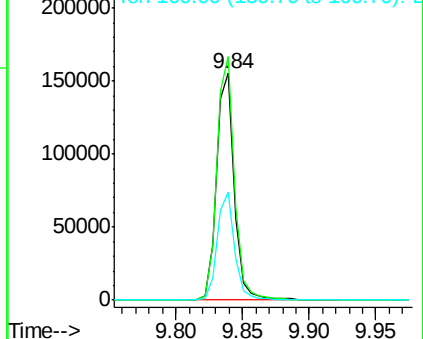
164 100

162 107.3 86.1 129.1

160 47.8 38.3 57.5



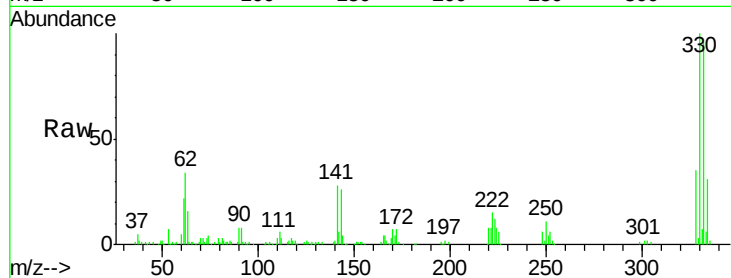
Abundance Ion 164.00 (163.70 to 164.70): BF1  
Ion 162.00 (161.70 to 162.70): BF1  
Ion 160.00 (159.70 to 160.70): BF1



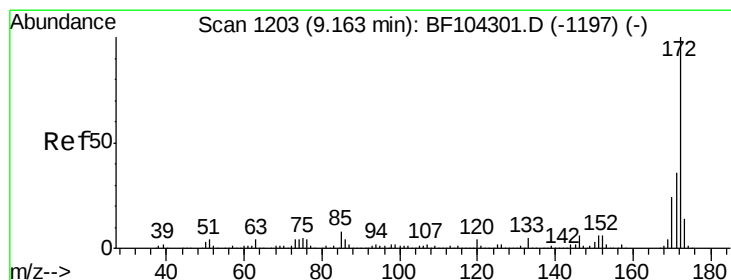
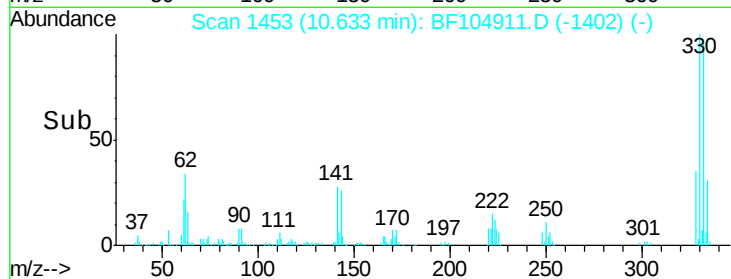
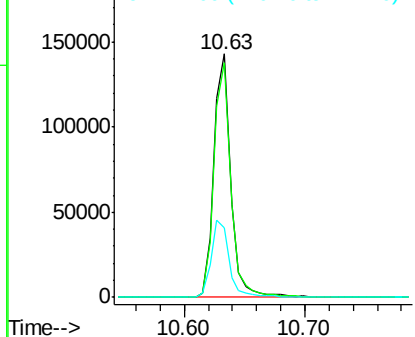


#41  
 2,4,6-Tribromophenol  
 Concen: 90.226 ng  
 RT: 10.63 min Scan# 1453  
 Delta R.T. 0.00 min  
 Lab File: BF104911.D  
 Acq: 28 Apr 2018 5:41

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 77.0  | 115.6 |
| 141     | 34.3  | 29.9  | 44.9  |

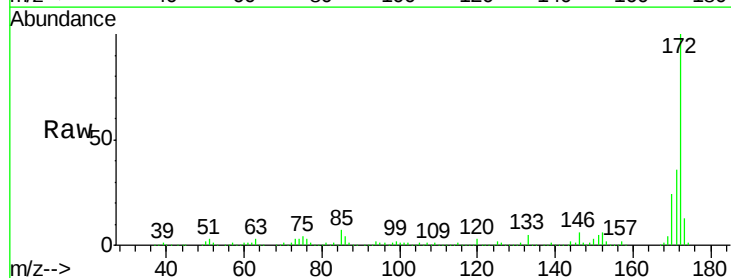


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

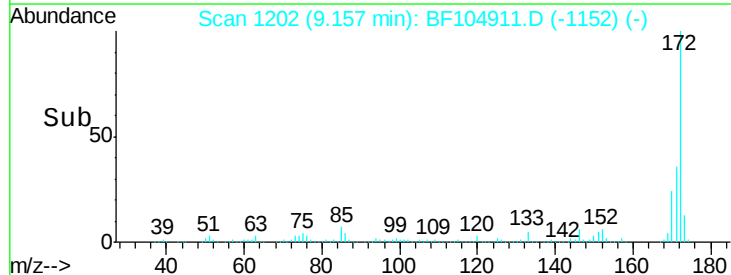
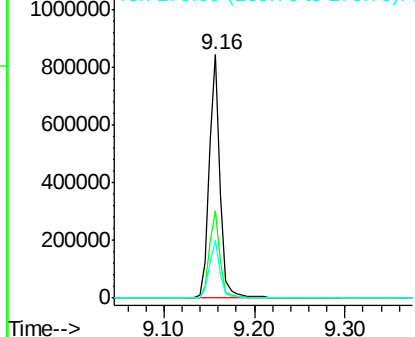


#44  
 2-Fluorobiphenyl  
 Concen: 77.664 ng  
 RT: 9.16 min Scan# 1202  
 Delta R.T. -0.01 min  
 Lab File: BF104911.D  
 Acq: 28 Apr 2018 5:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.7  | 44.5  |
| 170     | 23.9  | 19.6  | 29.4  |



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





#49

Dimethylphthalate

Concen: 4.192 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

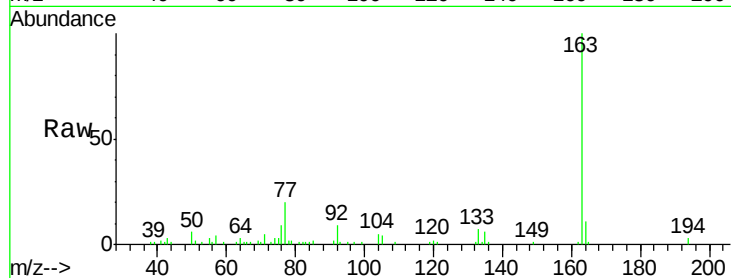
Tot Ion:163 Resp: 48342

Ion Ratio Lower Upper

163 100

194 3.0 2.7 4.1

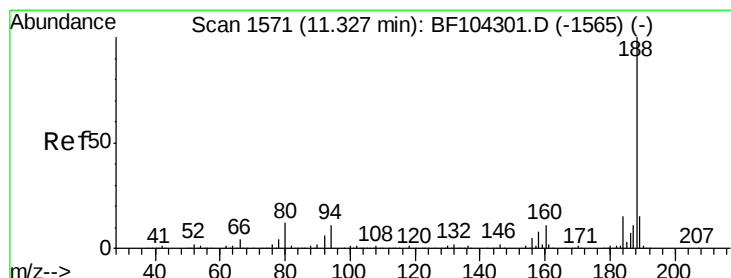
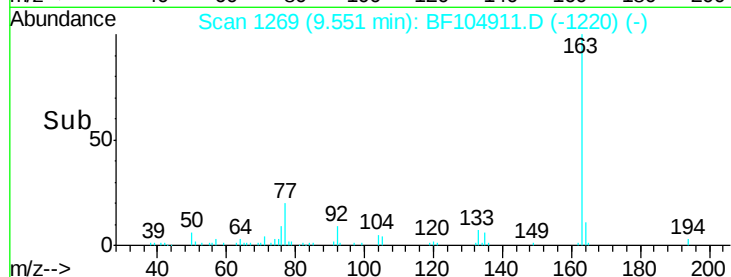
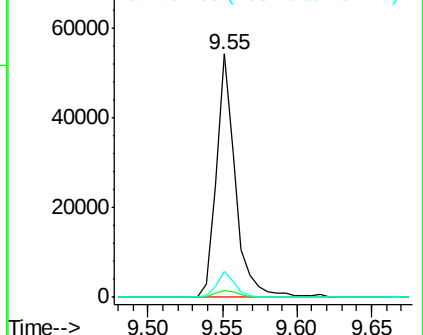
164 10.6 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

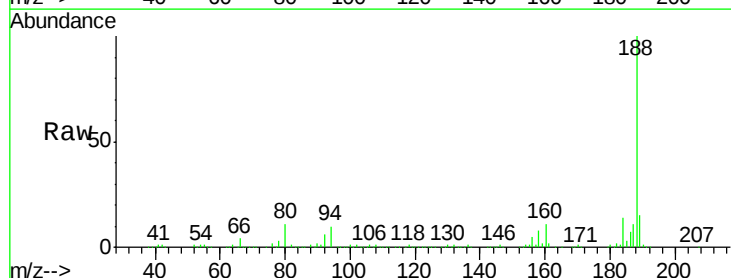
Tgt Ion:188 Resp: 249479

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

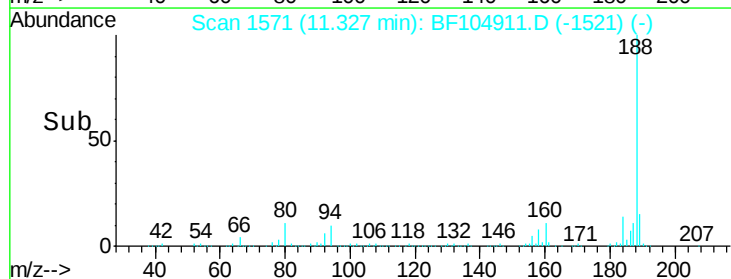
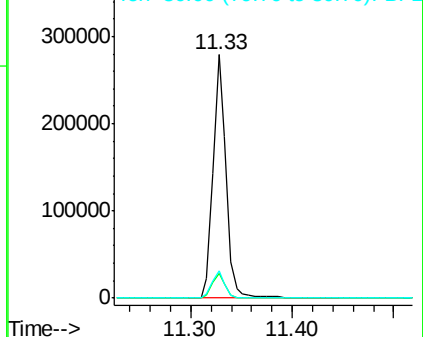
80 11.0 9.2 13.8

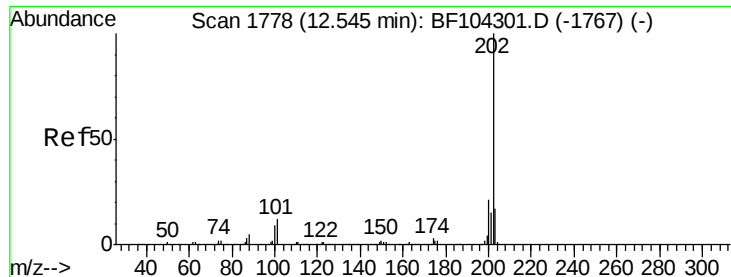


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#74

Fluoranthene

Concen: 2.581 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

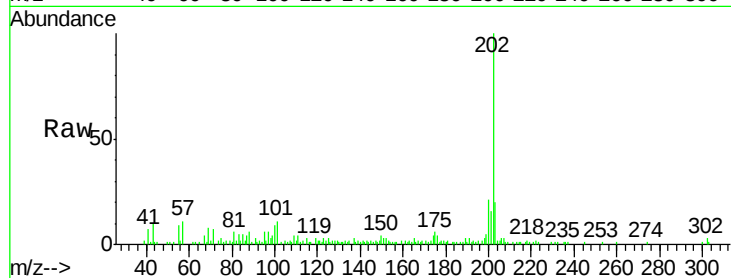
Tot Ion:202 Resp: 37472

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.1

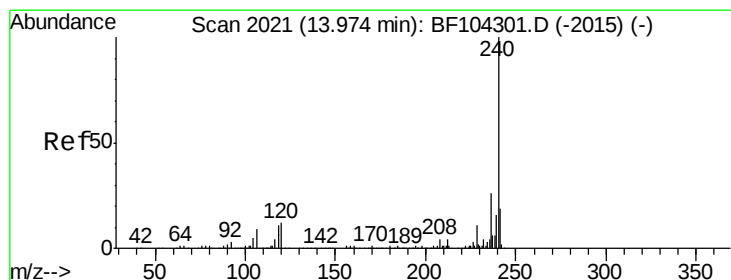
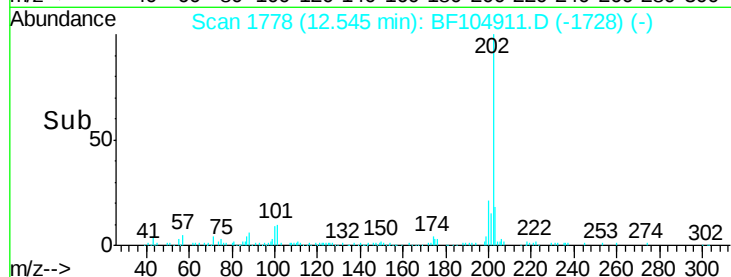
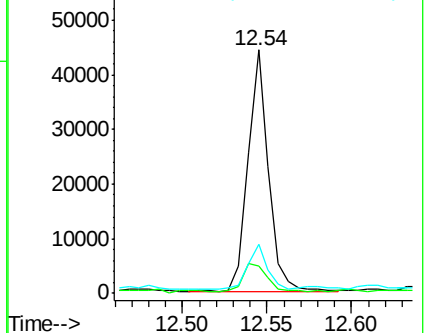
203 20.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

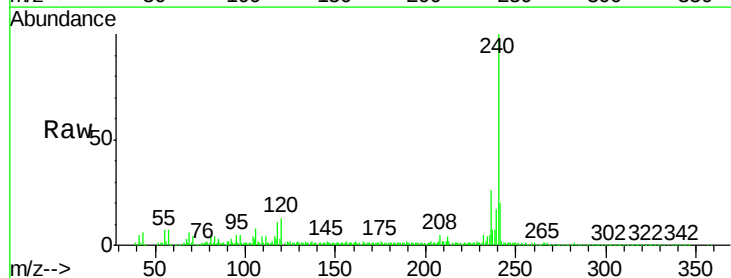
Tgt Ion:240 Resp: 196770

Ion Ratio Lower Upper

240 100

120 12.8 9.5 14.3

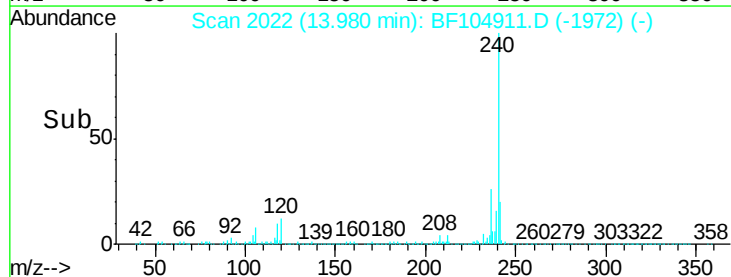
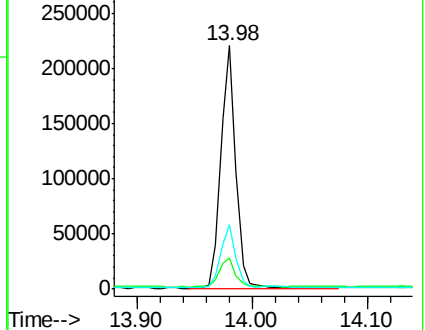
236 26.4 20.7 31.1

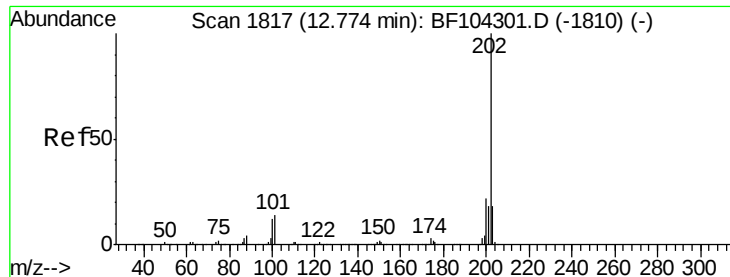


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

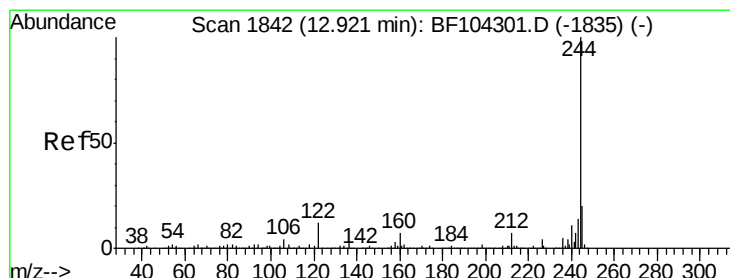
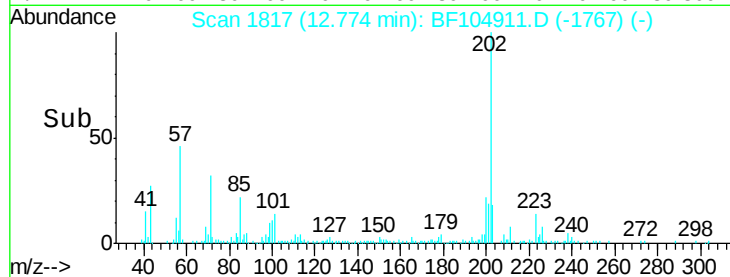
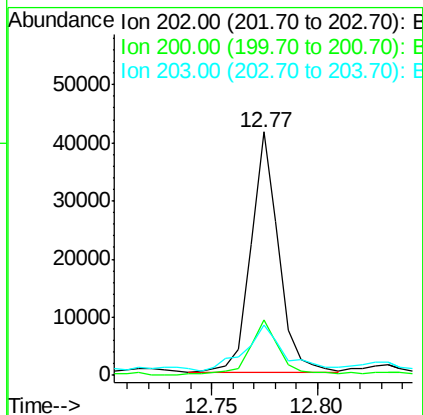
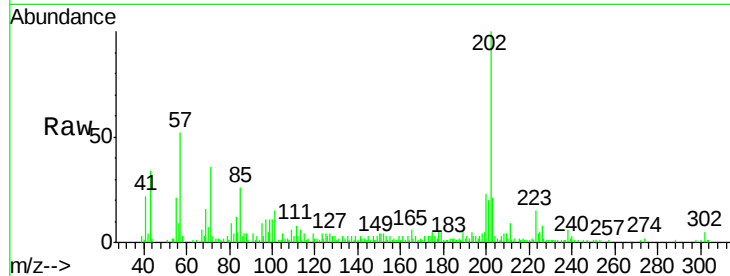
Ion 236.00 (235.70 to 236.70): E





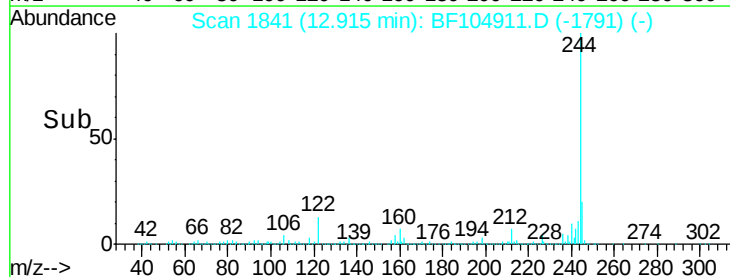
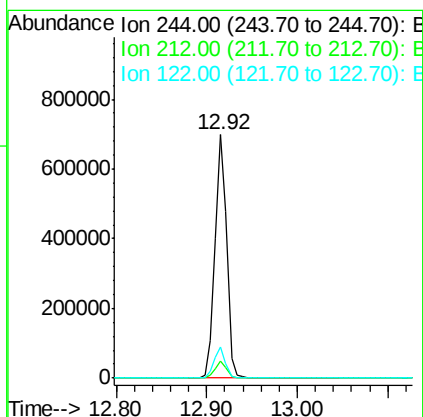
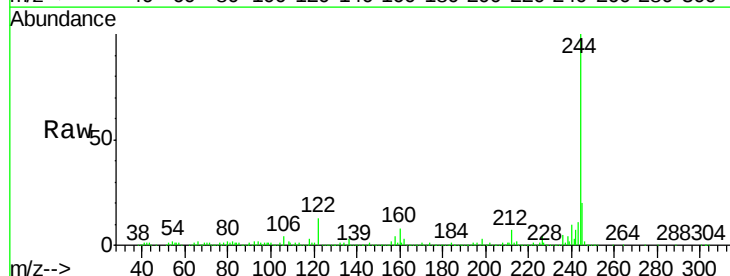
#77  
Pvrene  
Concen: 2.611 ng  
RT: 12.77 min Scan# 1817  
Delta R.T. -0.01 min  
Lab File: BF104911.D  
Acq: 28 Apr 2018 5:41

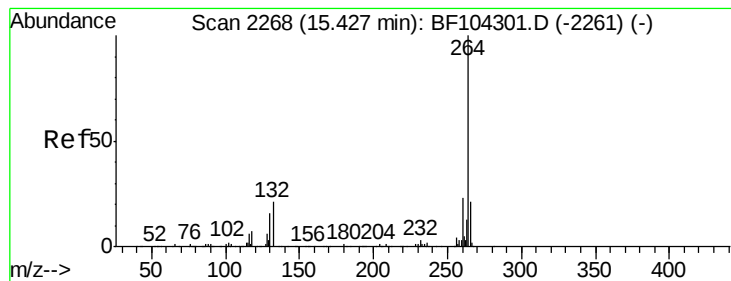
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.6  | 17.4  | 26.2  |
| 203     | 20.7  | 14.3  | 21.5  |



#78  
Terphenyl-d14  
Concen: 72.812 ng  
RT: 12.92 min Scan# 1841  
Delta R.T. -0.01 min  
Lab File: BF104911.D  
Acq: 28 Apr 2018 5:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 6.8   | 5.4   | 8.0   |
| 122     | 12.6  | 11.0  | 16.4  |





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2273

Delta R.T. 0.01 min

Lab File: BF104911.D

Acq: 28 Apr 2018 5:41

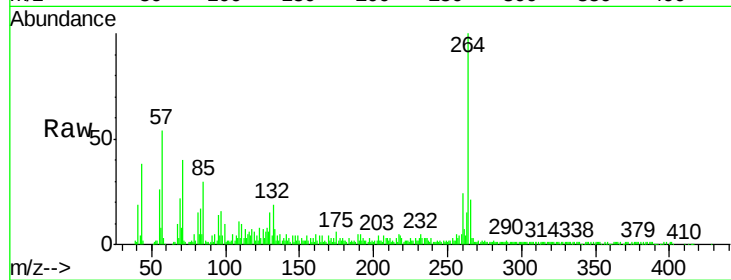
Tot Ion: 264 Resp: 132797

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 21.1 17.5 26.3



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

