

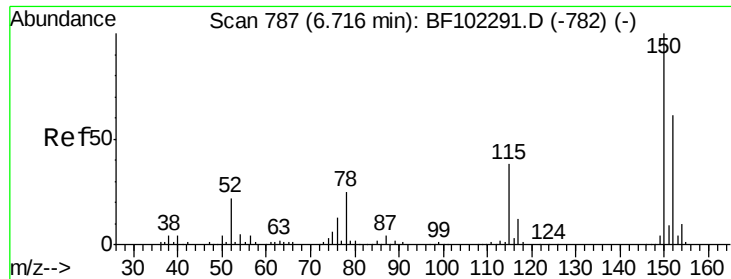
Data Path : Z:\HPCHEM1\BNA F\DATA\BF020118\  
 Data File : BF102696.D  
 Acq On : 1 Feb 2018 19:49  
 Operator : SJ/JU  
 Sample : J1406-03  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO-3

Quant Time: Feb 02 01:21:39 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jan 31 18:38:00 2018  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.70  | 152  | 148950   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 7.98  | 136  | 635153   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 9.73  | 164  | 301181   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.22 | 188  | 553445   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 13.86 | 240  | 392952   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.29 | 264  | 288317   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.33  | 112  | 1012659  | 103.09 | ng    | 0.02     |
| 7) Phenol-d6                | 6.37  | 99   | 1286568  | 108.63 | ng    | 0.01     |
| 23) Nitrobenzene-d5         | 7.27  | 82   | 764952   | 69.21  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 10.53 | 330  | 270926   | 90.78  | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.06  | 172  | 1397919  | 68.25  | ng    | 0.00     |
| 78) Terphenyl-d14           | 12.80 | 244  | 1342577  | 77.02  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.46  | 163  | 91941    | 3.693  | ng    | 99       |

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

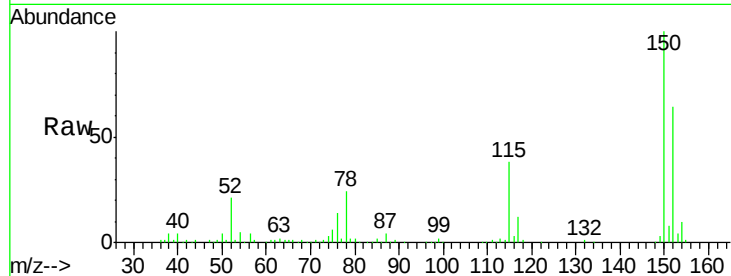


#1

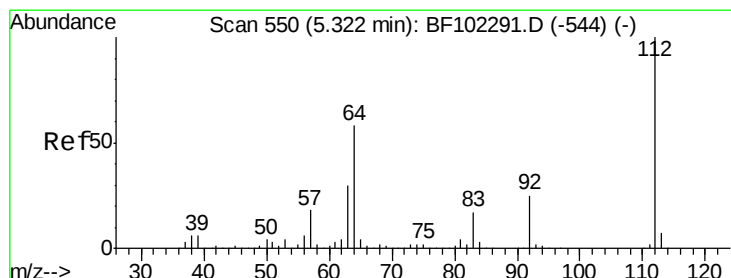
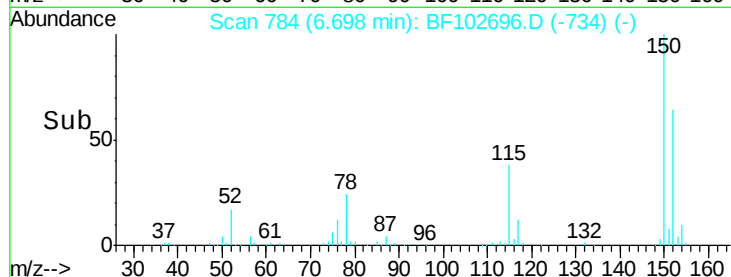
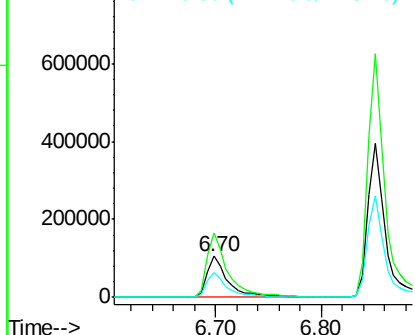
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.70 min Scan# 784  
Delta R.T. -0.01 min  
Lab File: BF102696.D  
Acq: 1 Feb 2018 19:49

Instrument :  
BNA\_F  
ClientSampleId :  
CO-3

Tot Ion:152 Resp: 148950  
Ion Ratio Lower Upper  
152 100  
150 157.4 124.6 186.8  
115 60.5 50.1 75.1



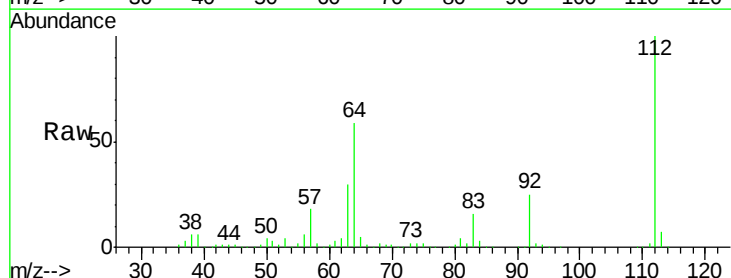
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



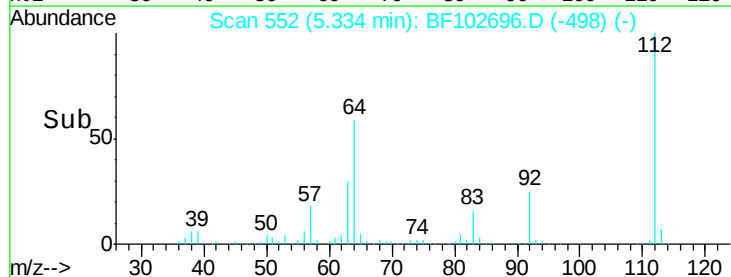
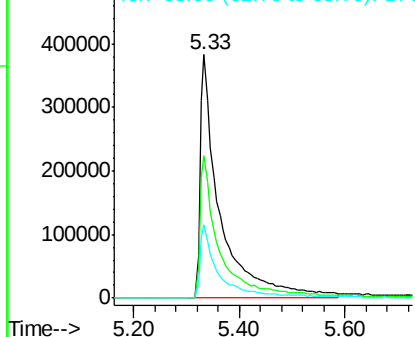
#5

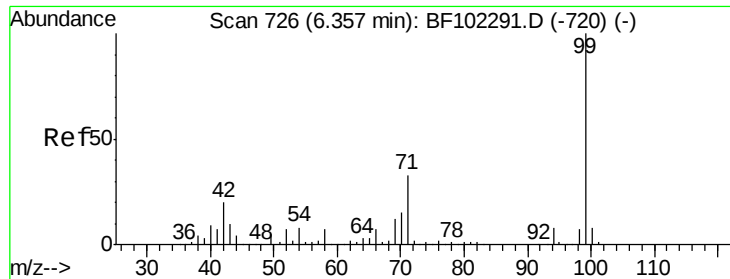
2-Fluorophenol  
Concen: 103.085 ng  
RT: 5.33 min Scan# 552  
Delta R.T. 0.02 min  
Lab File: BF102696.D  
Acq: 1 Feb 2018 19:49

Tgt Ion:112 Resp: 1012659  
Ion Ratio Lower Upper  
112 100  
64 58.5 47.9 71.9  
63 30.1 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: 108.634 ng

RT: 6.37 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF102696.D

Acq: 1 Feb 2018 19:49

Instrument :

BNA\_F

ClientSampleId :

CO-3

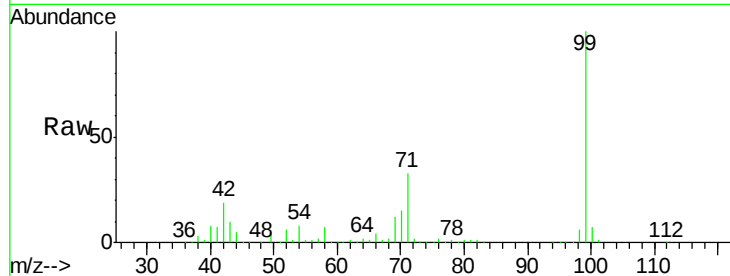
Tot Ion: 99 Resp: 1286568

Ion Ratio Lower Upper

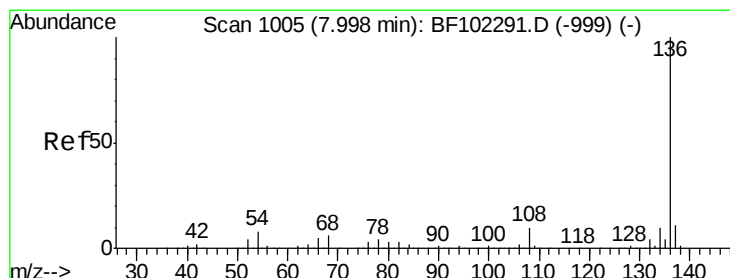
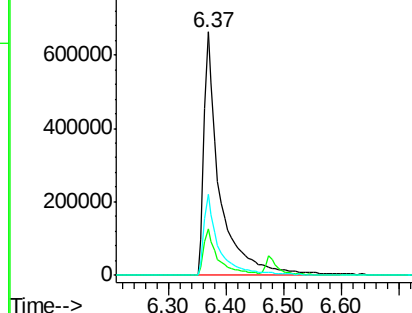
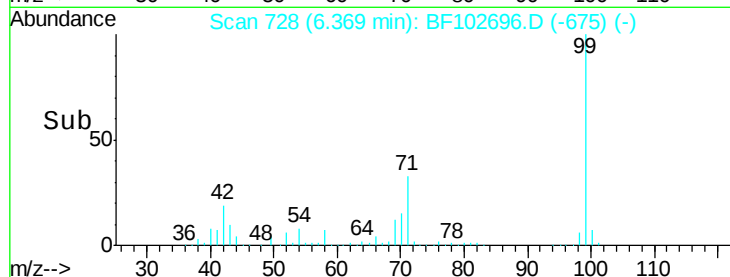
99 100

42 18.9 14.5 21.7

71 33.5 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF102696.D

Acq: 1 Feb 2018 19:49

Tgt Ion: 136 Resp: 635153

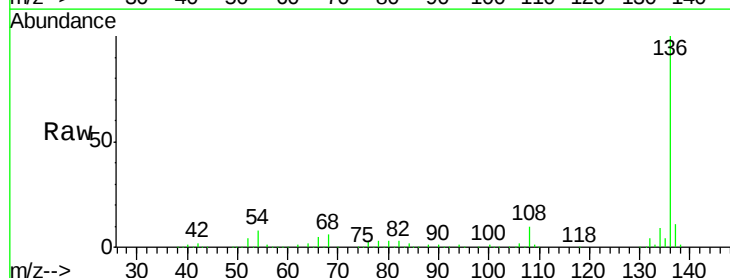
Ion Ratio Lower Upper

136 100

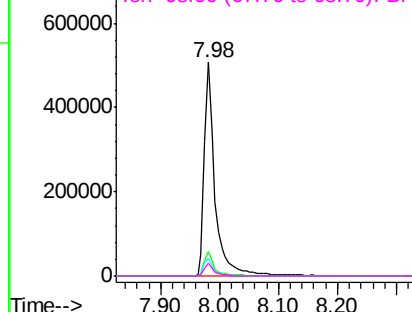
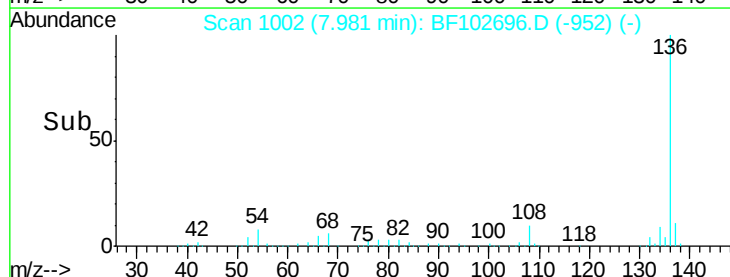
137 11.2 8.9 13.3

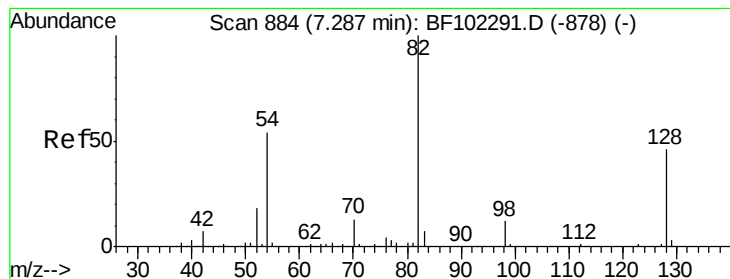
54 8.2 6.6 9.8

68 5.9 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: 69.211 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF102696.D

Acq: 1 Feb 2018 19:49

Instrument :

BNA\_F

ClientSampled :

CO-3

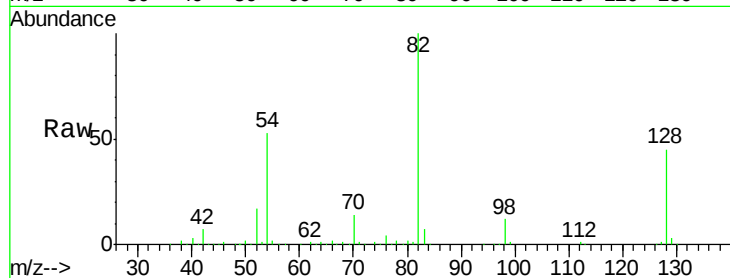
Tot Ion: 82 Resp: 764952

Ion Ratio Lower Upper

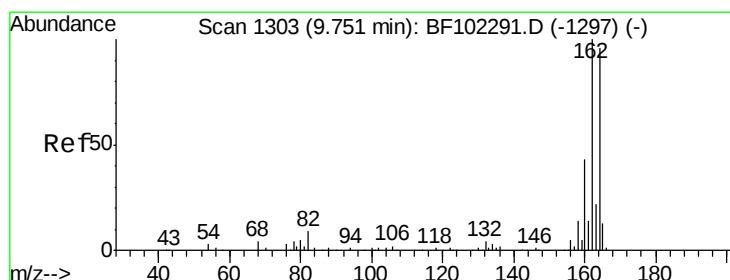
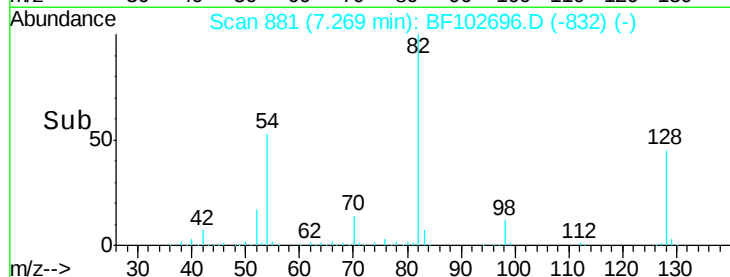
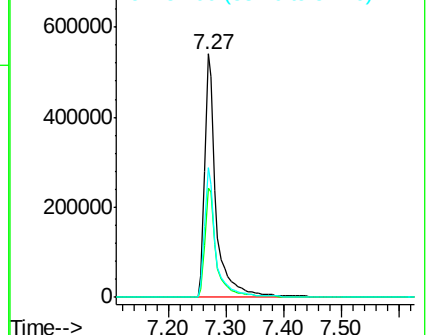
82 100

128 44.9 36.1 54.1

54 53.4 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: 9.73 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF102696.D

Acq: 1 Feb 2018 19:49

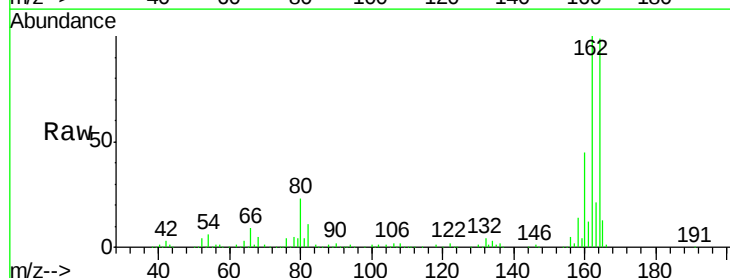
Tgt Ion:164 Resp: 301181

Ion Ratio Lower Upper

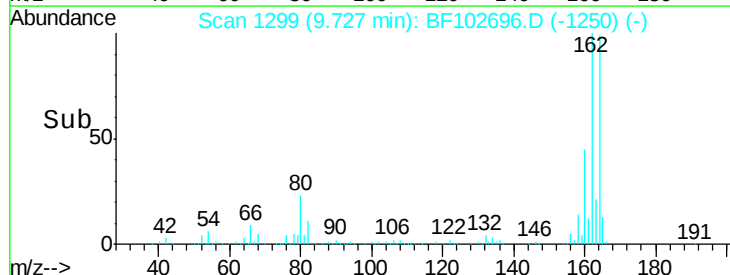
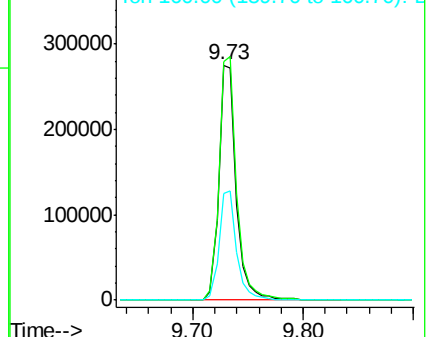
164 100

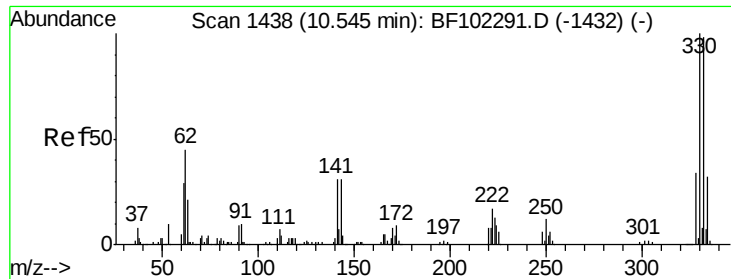
162 101.5 86.1 129.1

160 45.6 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

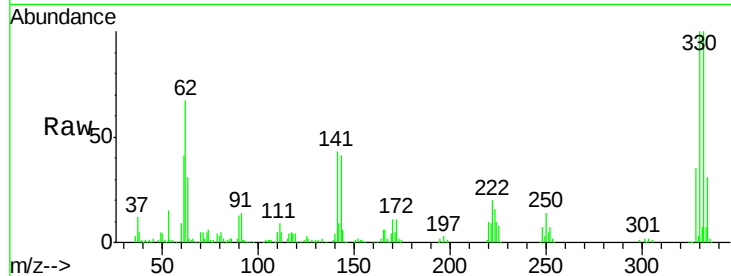




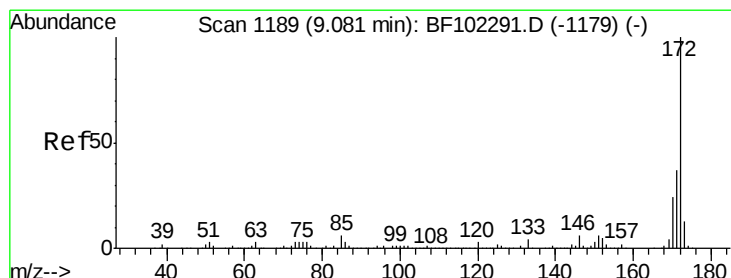
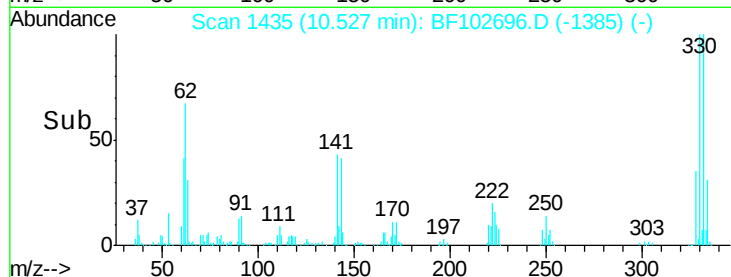
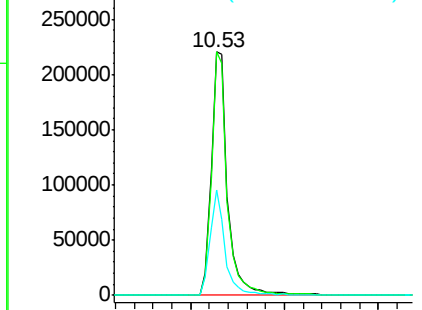
#41  
 2,4,6-Tribromophenol  
 Concen: 90.785 ng  
 RT: 10.53 min Scan# 1435  
 Delta R.T. -0.01 min  
 Lab File: BF102696.D  
 Acq: 1 Feb 2018 19:49

Instrument :  
 BNA\_F  
 ClientSampled :  
 CO-3

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.0  | 77.0  | 115.6 |
| 141     | 40.6  | 29.9  | 44.9  |

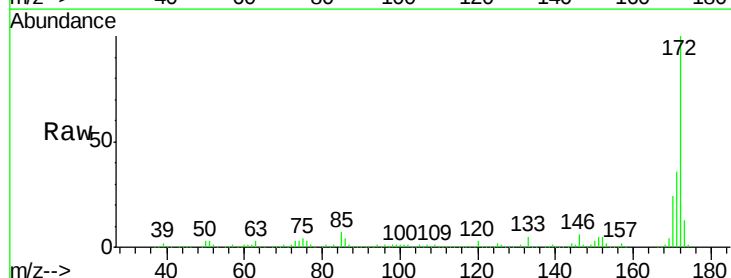


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

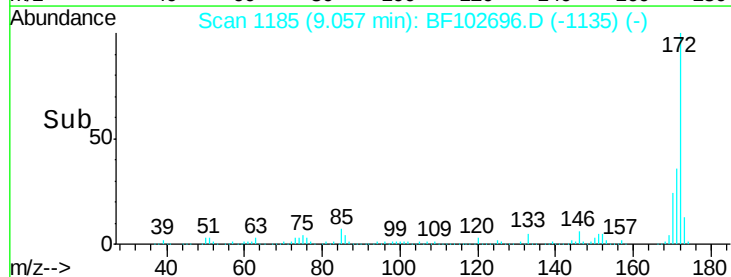
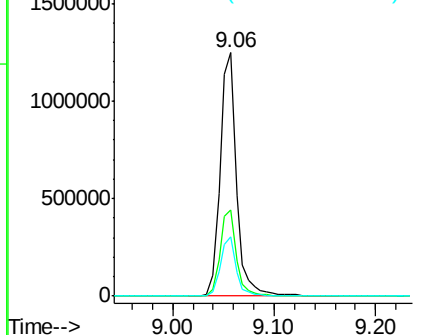


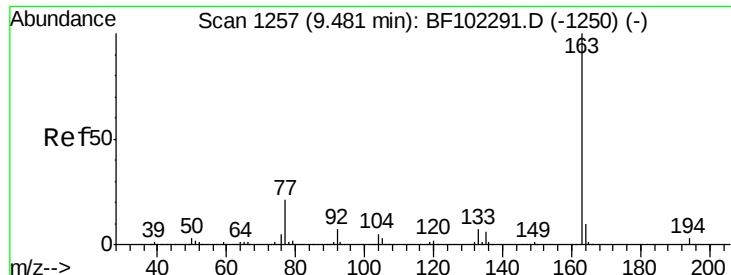
#44  
 2-Fluorobiphenyl  
 Concen: 68.246 ng  
 RT: 9.06 min Scan# 1185  
 Delta R.T. -0.01 min  
 Lab File: BF102696.D  
 Acq: 1 Feb 2018 19:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.6  | 29.7  | 44.5  |
| 170     | 24.2  | 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

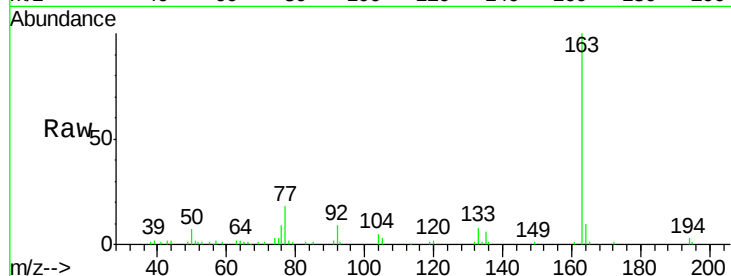




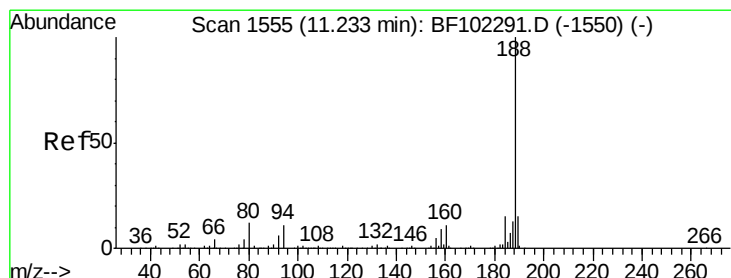
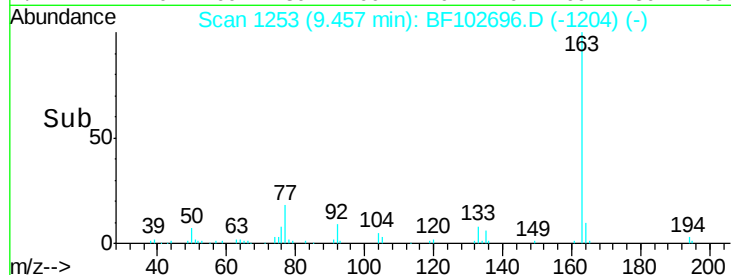
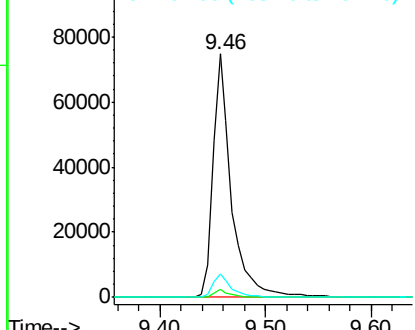
#49  
Dimethylphthalate  
Concen: 3.693 ng  
RT: 9.46 min Scan# 1253  
Delta R.T. -0.01 min  
Lab File: BF102696.D  
Acq: 1 Feb 2018 19:49

Instrument :  
BNA\_F  
ClientSampleId :  
CO-3

Tot Ion:163 Resp: 91941  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.7 4.1  
164 9.6 8.2 12.2

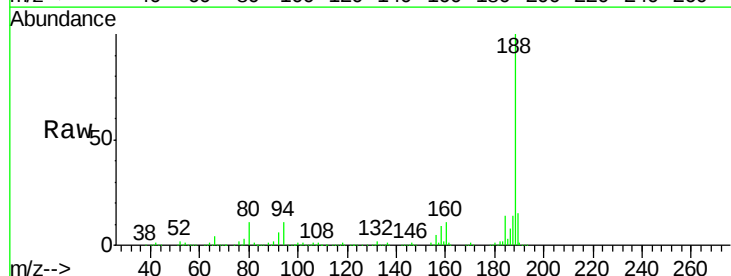


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

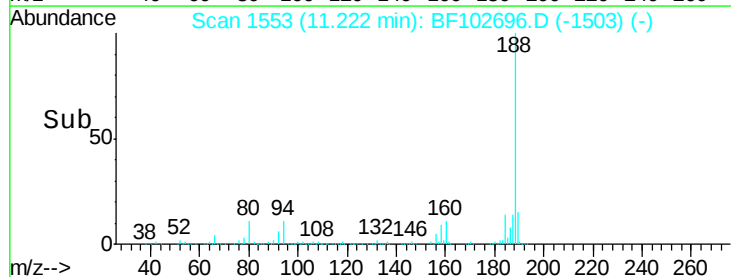
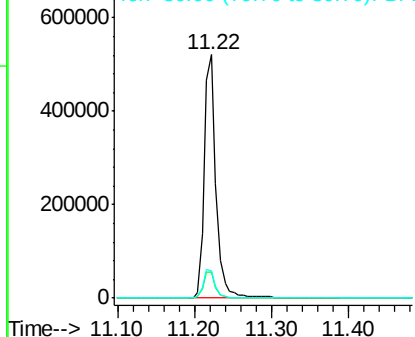


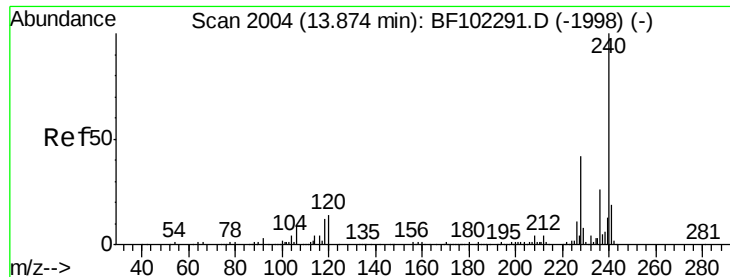
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.22 min Scan# 1553  
Delta R.T. -0.01 min  
Lab File: BF102696.D  
Acq: 1 Feb 2018 19:49

Tgt Ion:188 Resp: 553445  
Ion Ratio Lower Upper  
188 100  
94 10.7 8.5 12.7  
80 11.4 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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF102696.D

Acq: 1 Feb 2018 19:49

Instrument :

BNA\_F

ClientSampleId :

CO-3

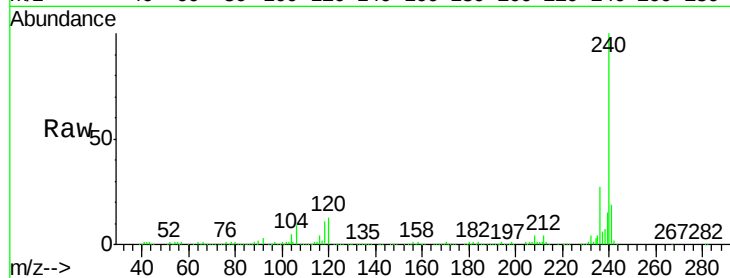
Tot Ion:240 Resp: 392952

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

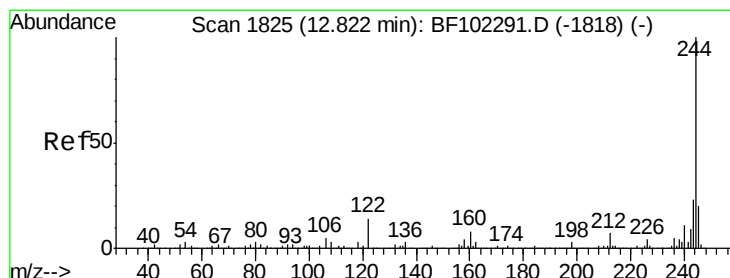
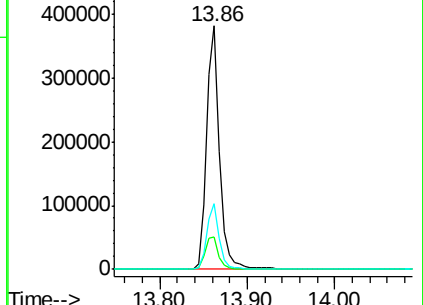
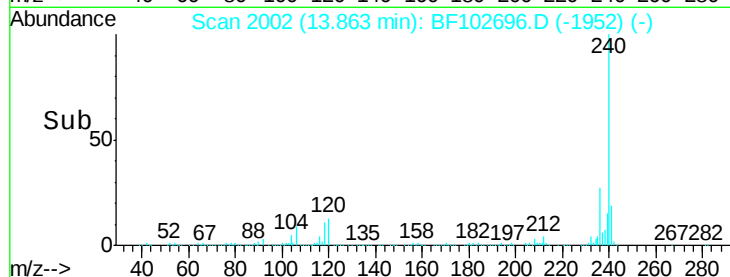
236 27.0 20.7 31.1



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: 77.023 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF102696.D

Acq: 1 Feb 2018 19:49

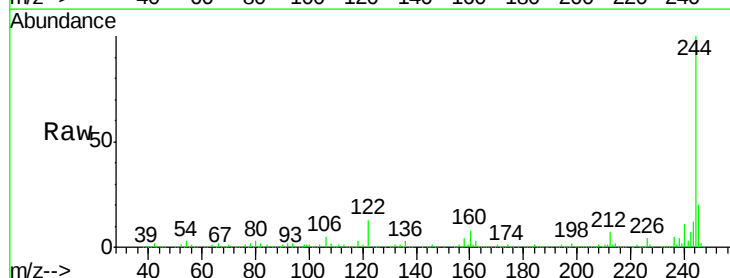
Tgt Ion:244 Resp: 1342577

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

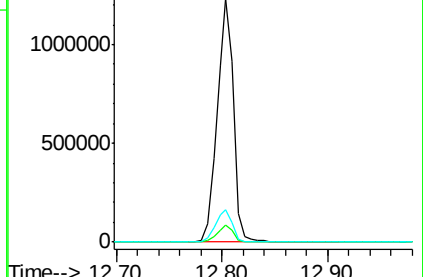
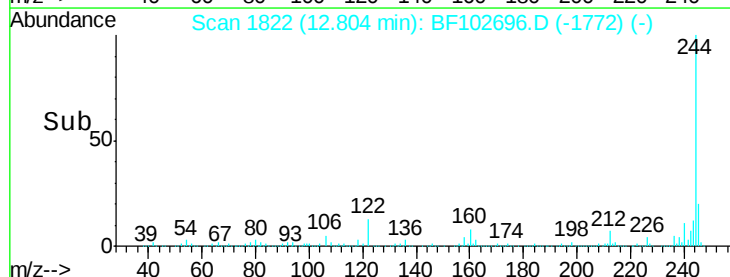
122 13.4 11.0 16.4

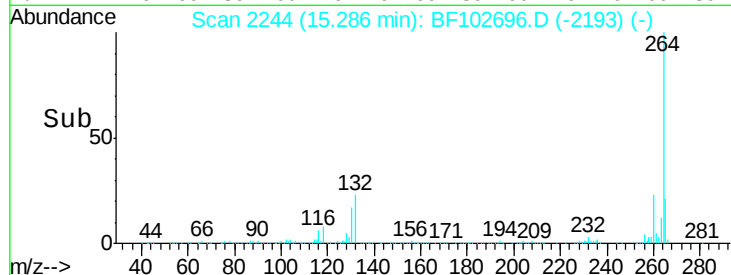
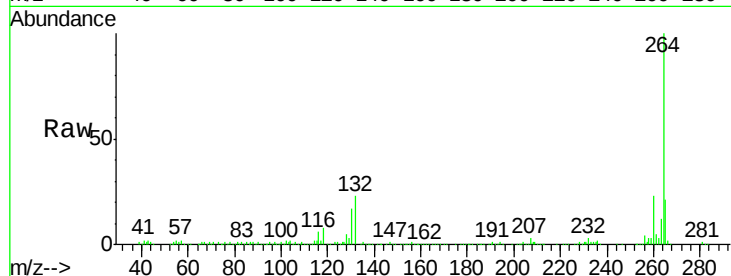
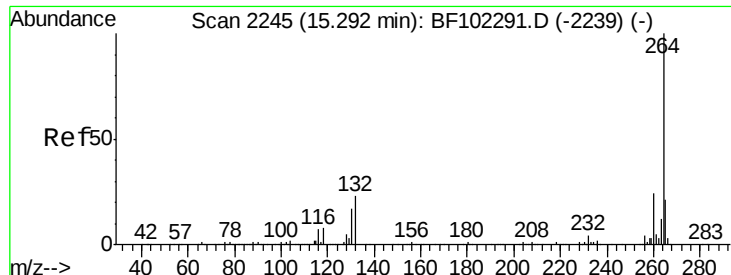


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.29 min Scan# 2244  
 Delta R.T. 0.00 min  
 Lab File: BF102696.D  
 Acq: 1 Feb 2018 19:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 CO-3

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 288317 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 22.6  | 19.2  | 28.8   |
| 265       | 21.1  | 17.5  | 26.3   |

