

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\  
 Data File : BF110147.D  
 Acq On : 25 Oct 2018 6:54  
 Operator : JU/SJ  
 Sample : J5640-15  
 Misc :  
 ALS Vial : 44 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 102218-DBRI-F-U-M

Quant Time: Oct 25 09:35:17 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Oct 25 02:28:50 2018  
 Response via : Initial Calibration

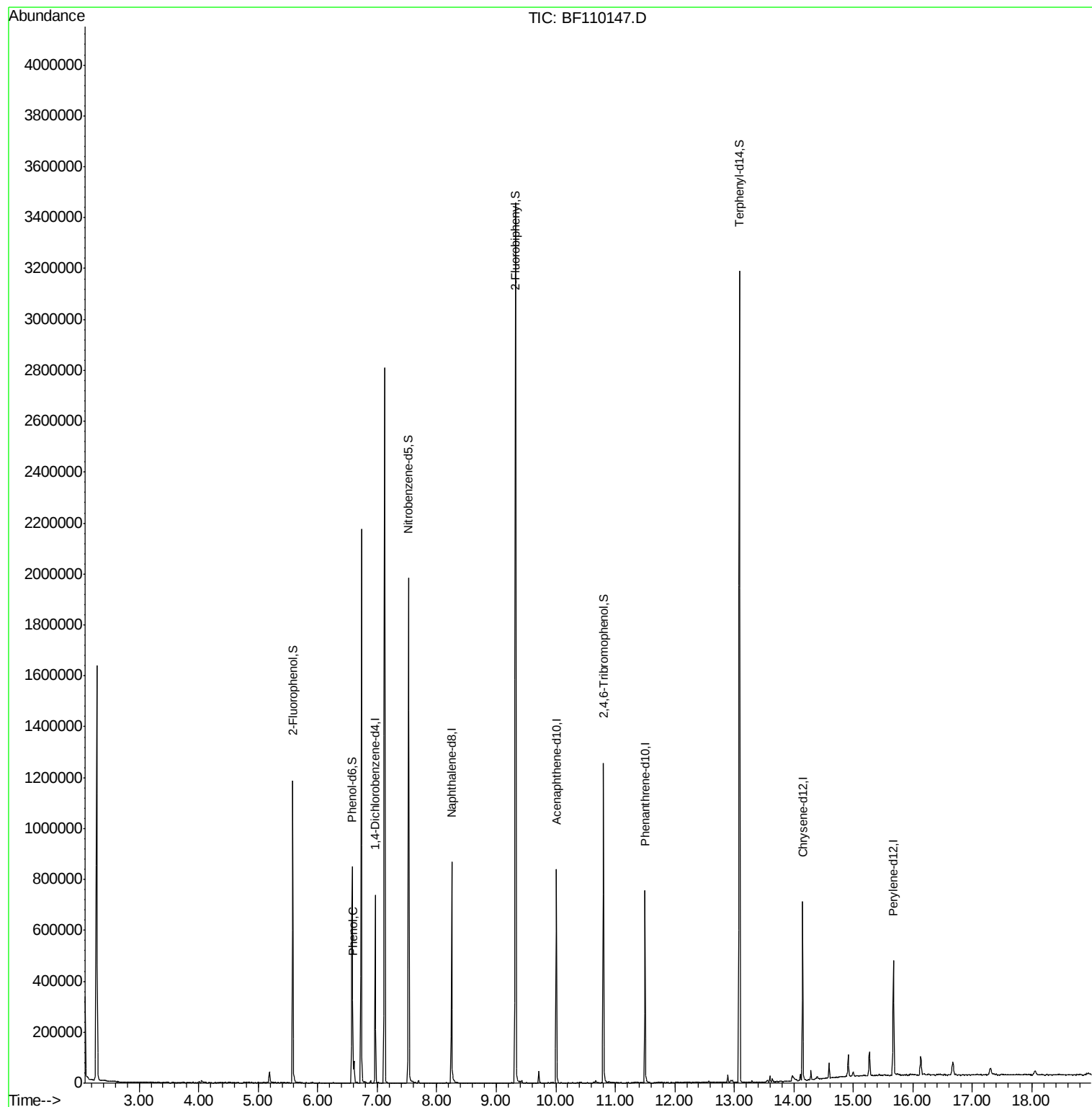
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 112698   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.25  | 136  | 403997   | 20.00  | ng    | 0.00           |
| 39) Acenaphthene-d10        | 10.01 | 164  | 158628   | 20.00  | ng    | 0.00           |
| 64) Phenanthrene-d10        | 11.50 | 188  | 285213   | 20.00  | ng    | 0.00           |
| 76) Chrysene-d12            | 14.14 | 240  | 235565   | 20.00  | ng    | 0.00           |
| 87) Perylene-d12            | 15.67 | 264  | 166241   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.58  | 112  | 309351   | 44.70  | ng    | 0.00           |
| 7) Phenol-d6                | 6.58  | 99   | 254044   | 28.70  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 656043   | 96.32  | ng    | 0.00           |
| 42) 2,4,6-Tribromophenol    | 10.80 | 330  | 134628   | 85.68  | ng    | 0.00           |
| 45) 2-Fluorobiphenyl        | 9.33  | 172  | 1131794  | 112.04 | ng    | 0.00           |
| 79) Terphenyl-d14           | 13.09 | 244  | 1025793  | 90.56  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 10) Phenol                  | 6.59  | 94   | 21969    | 2.322  | ng    | Qvalue<br># 64 |

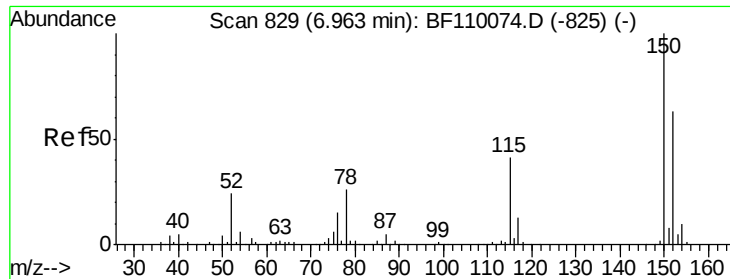
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102418\  
Data File : BF110147.D  
Acq On : 25 Oct 2018 6:54  
Operator : JU/SJ  
Sample : J5640-15  
Misc :  
ALS Vial : 44 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
102218-DBRI-F-U-M

Quant Time: Oct 25 09:35:17 2018  
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Oct 25 02:28:50 2018  
Response via : Initial Calibration



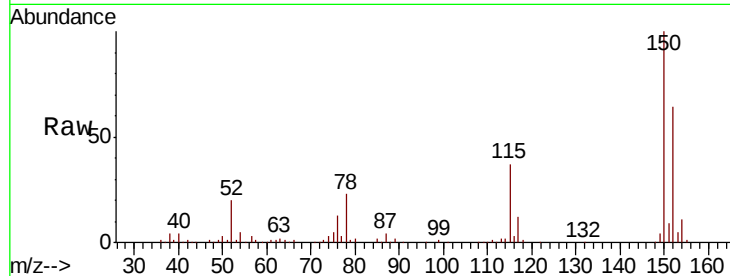


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 830  
Delta R.T. 0.01 min  
Lab File: BF110147.D  
Acq: 25 Oct 2018 6:54

Instrument :  
BNA\_F  
ClientSampleId :  
102218-DBRI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 157.0 | 122.7 | 184.1 |
| 115     | 58.6  | 49.1  | 73.7  |

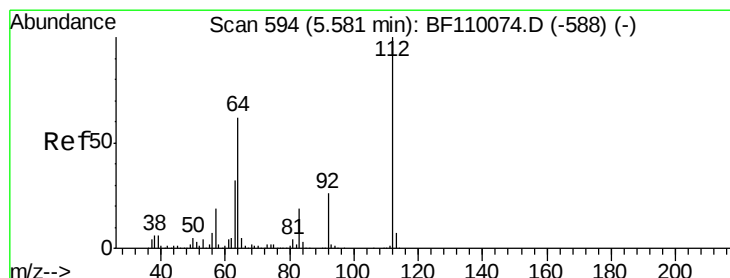
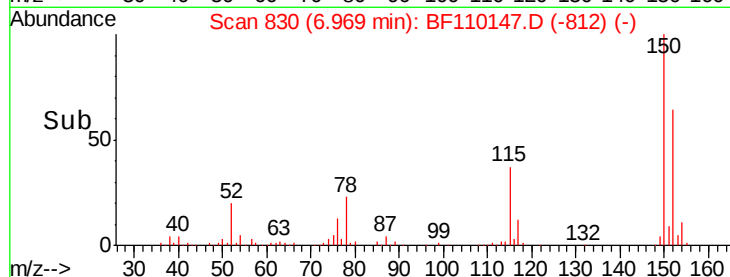
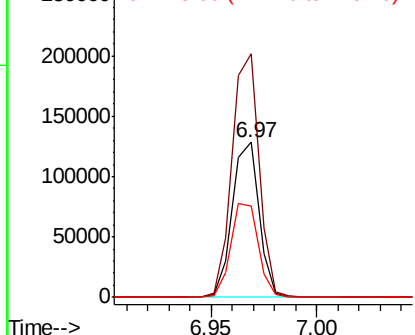


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

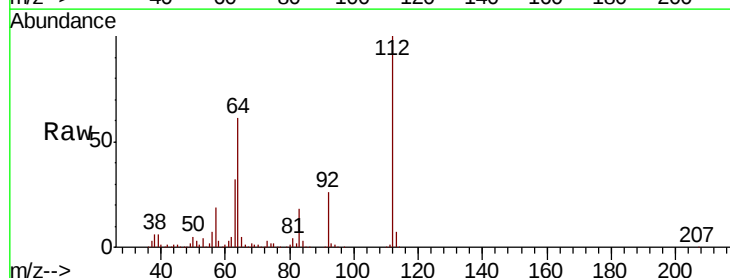
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol  
Concen: 44.700 ng  
RT: 5.58 min Scan# 594  
Delta R.T. 0.00 min  
Lab File: BF110147.D  
Acq: 25 Oct 2018 6:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 61.1  | 44.1  | 66.1  |
| 63      | 31.7  | 23.7  | 35.5  |

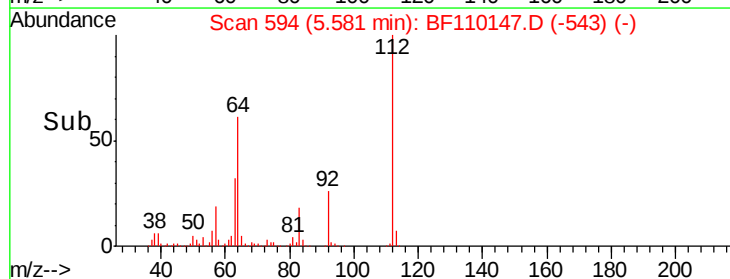
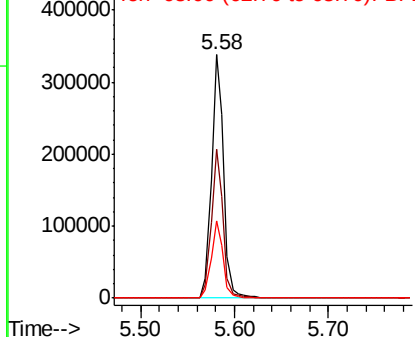


Abundance

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: 28.699 ng

RT: 6.58 min Scan# 764

Delta R.T. -0.01 min

Lab File: BF110147.D

Acq: 25 Oct 2018 6:54

Instrument :

BNA\_F

ClientSampleId :

102218-DBRI-F-U-M

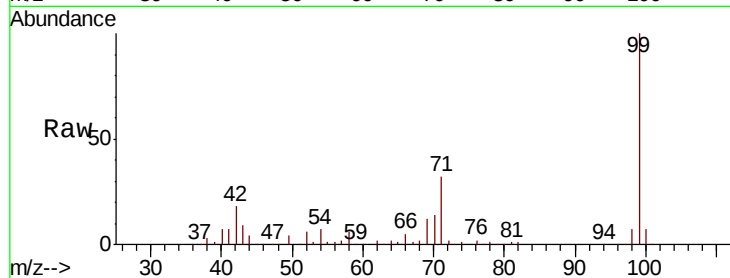
Tot Ion: 99 Resp: 254044

Ion Ratio Lower Upper

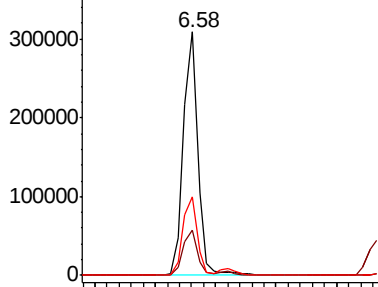
99 100

42 18.5 15.8 23.6

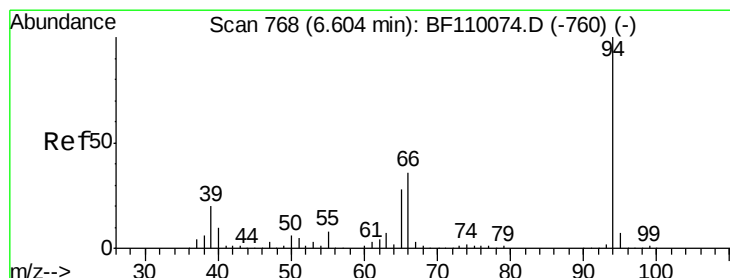
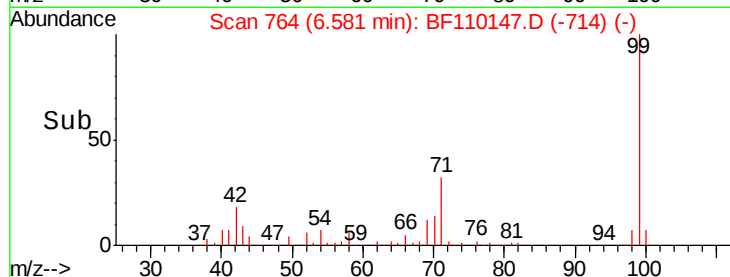
71 32.1 28.0 42.0



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



Time-->



#10

Phenol

Concen: 2.322 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110147.D

Acq: 25 Oct 2018 6:54

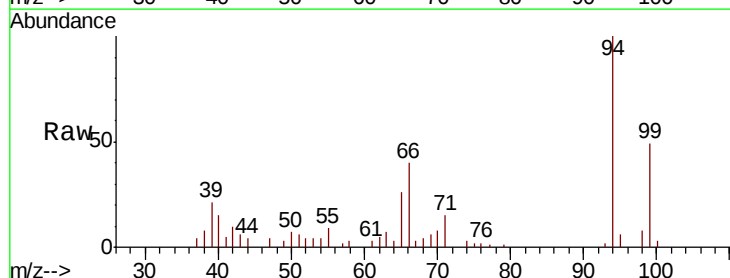
Tgt Ion: 94 Resp: 21969

Ion Ratio Lower Upper

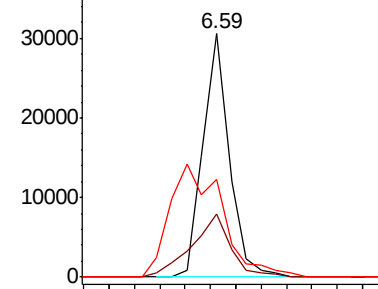
94 100

65 26.1 25.3 65.3

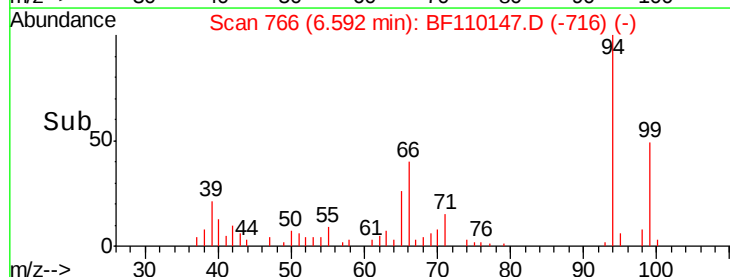
66 40.2 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1  
Ion 65.00 (64.70 to 65.70): BF1  
Ion 66.00 (65.70 to 66.70): BF1



Time-->

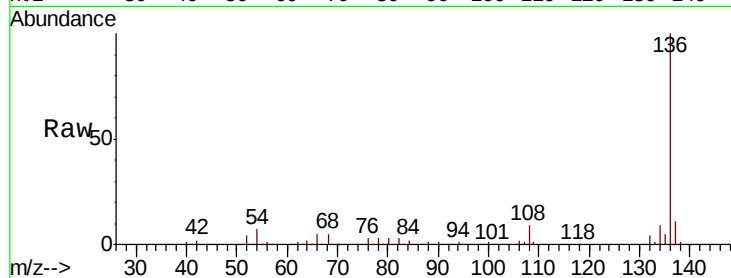




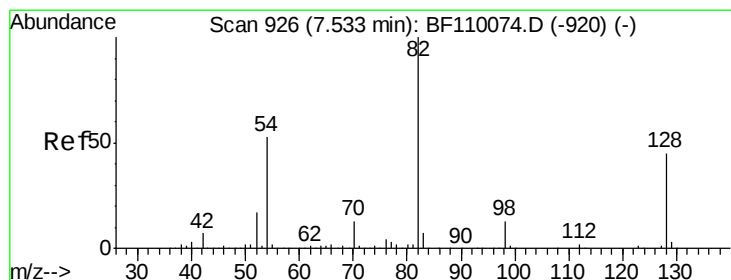
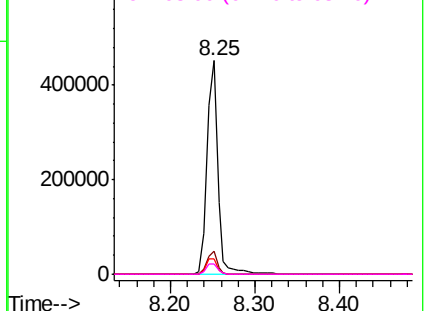
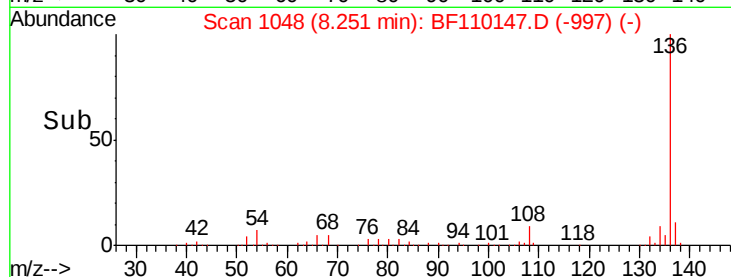
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.25 min Scan# 1048  
Delta R.T. 0.00 min  
Lab File: BF110147.D  
Acq: 25 Oct 2018 6:54

Instrument :  
BNA\_F  
ClientSampleId :  
102218-DBRI-F-U-M

|             |       |          |
|-------------|-------|----------|
| Tot Ion:136 | Resp: | 403997   |
| Ion Ratio   | Lower | Upper    |
| 136         | 100   |          |
| 137         | 10.7  | 8.8 13.2 |
| 54          | 7.2   | 5.4 8.2  |
| 68          | 4.7   | 4.2 6.2  |

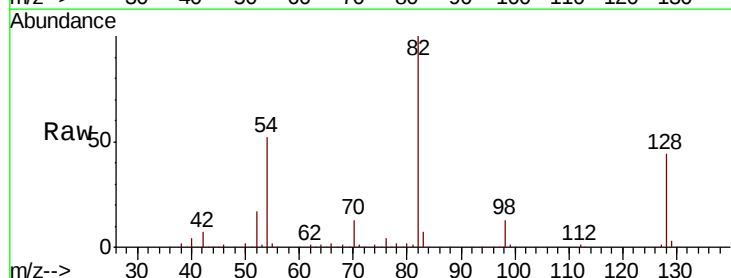


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

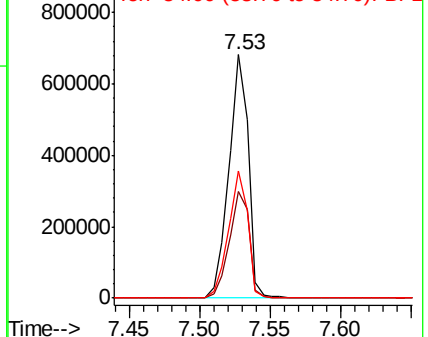
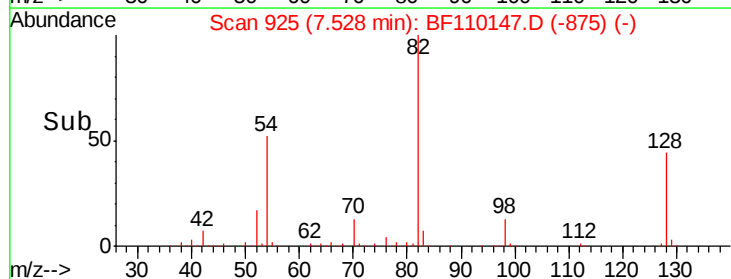


#23  
Nitrobenzene-d5  
Concen: 96.318 ng  
RT: 7.53 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BF110147.D  
Acq: 25 Oct 2018 6:54

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion: 82 | Resp: | 656043    |
| Ion Ratio   | Lower | Upper     |
| 82          | 100   |           |
| 128         | 44.1  | 34.2 51.2 |
| 54          | 52.2  | 38.6 58.0 |



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF110147.D

Acq: 25 Oct 2018 6:54

Instrument :

BNA\_F

ClientSampleId :

102218-DBRI-F-U-M

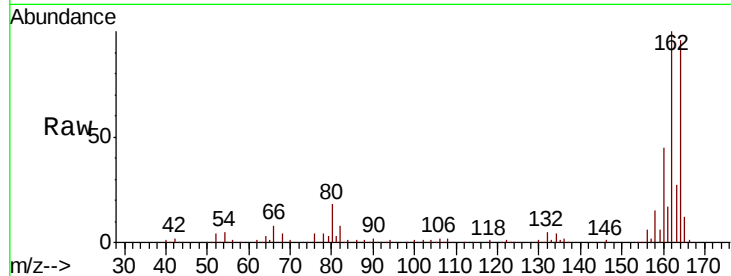
Tot Ion:164 Resp: 158628

Ion Ratio Lower Upper

164 100

162 104.2 83.0 124.6

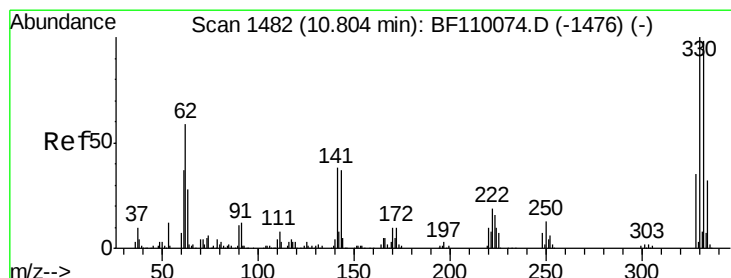
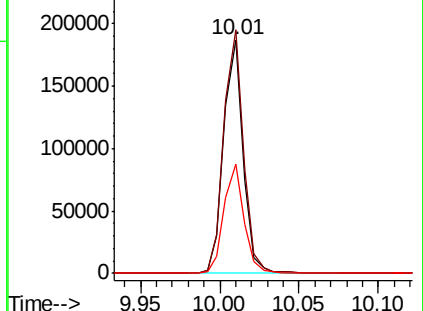
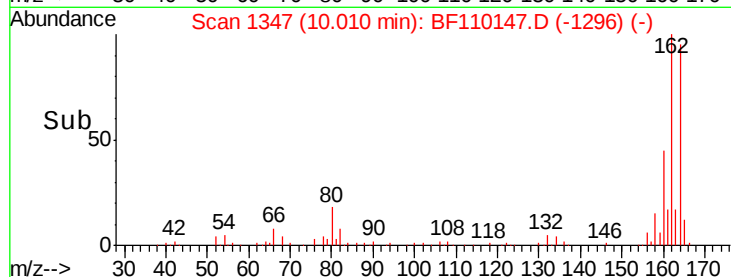
160 46.6 37.0 55.6



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



#42

2,4,6-Tribromophenol

Concen: 85.679 ng

RT: 10.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BF110147.D

Acq: 25 Oct 2018 6:54

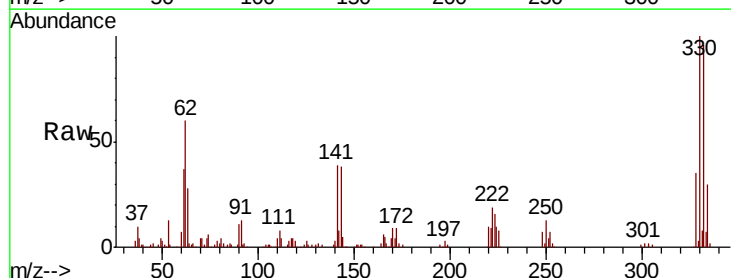
Tgt Ion:330 Resp: 134628

Ion Ratio Lower Upper

330 100

332 96.9 77.1 115.7

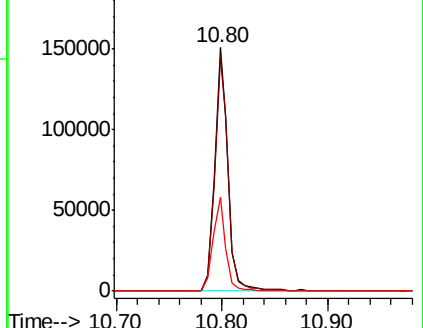
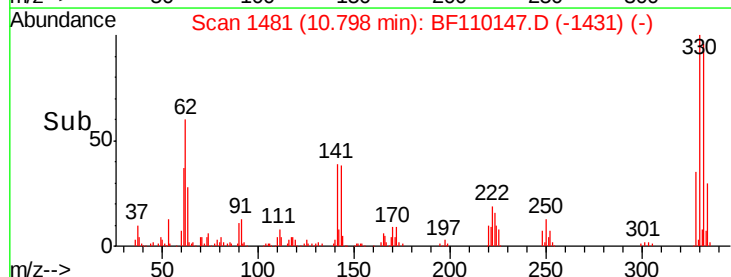
141 36.9 27.0 40.4

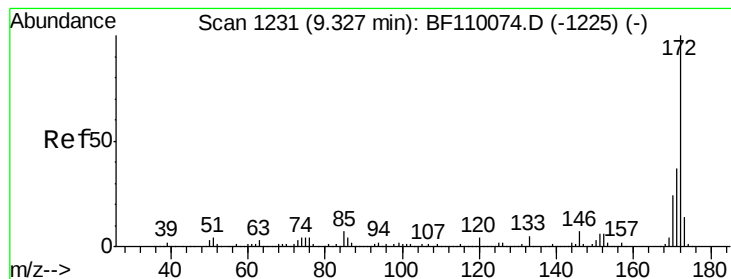


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#45

2-Fluorobiphenyl

Concen: 112.036 ng

RT: 9.33 min Scan# 1231

Delta R.T. 0.00 min

Lab File: BF110147.D

Acq: 25 Oct 2018 6:54

Instrument :

BNA\_F

ClientSampleId :

102218-DBRI-F-U-M

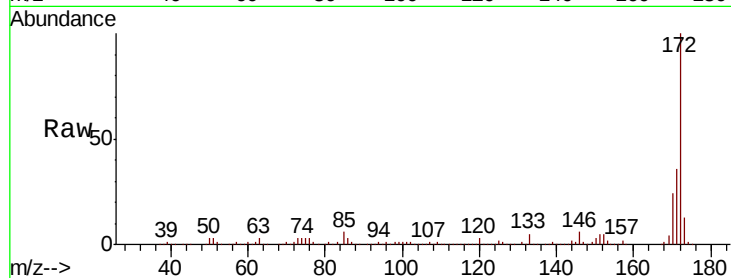
Tot Ion:172 Resp: 1131794

Ion Ratio Lower Upper

172 100

171 36.3 28.6 43.0

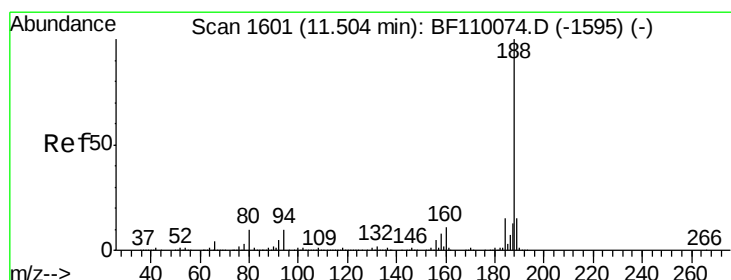
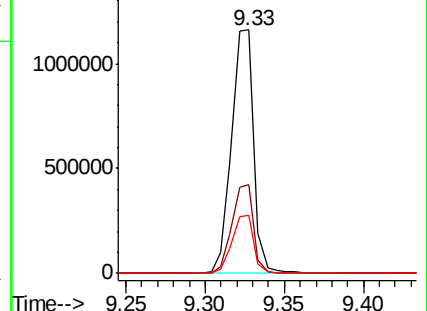
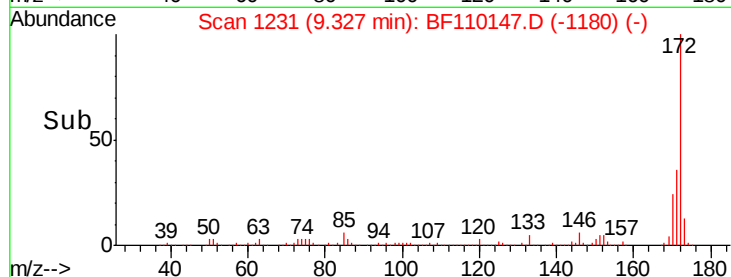
170 23.9 19.7 29.5



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BF110147.D

Acq: 25 Oct 2018 6:54

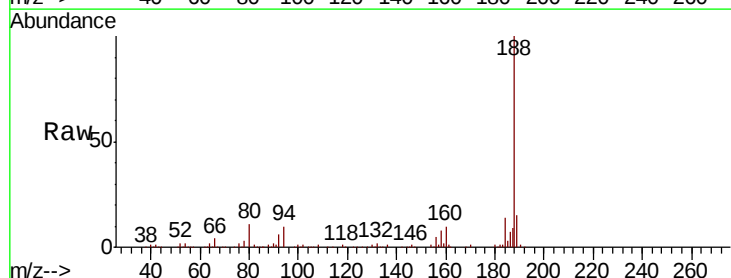
Tgt Ion:188 Resp: 285213

Ion Ratio Lower Upper

188 100

94 9.7 7.2 10.8

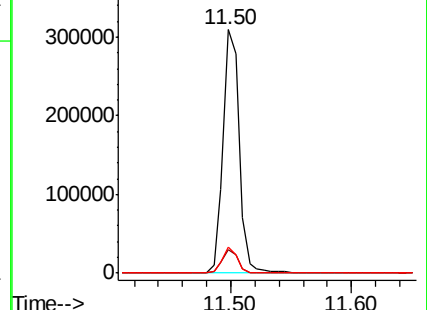
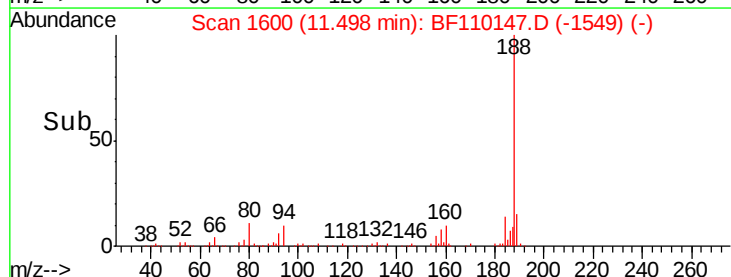
80 10.9 7.9 11.9

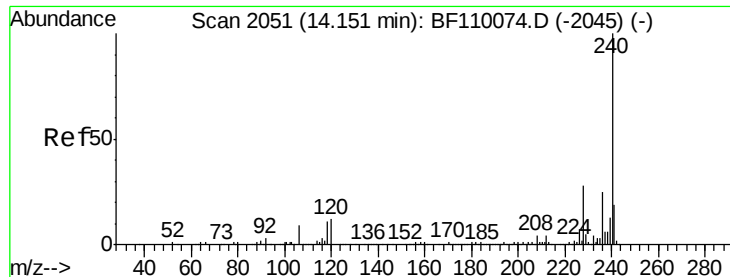


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

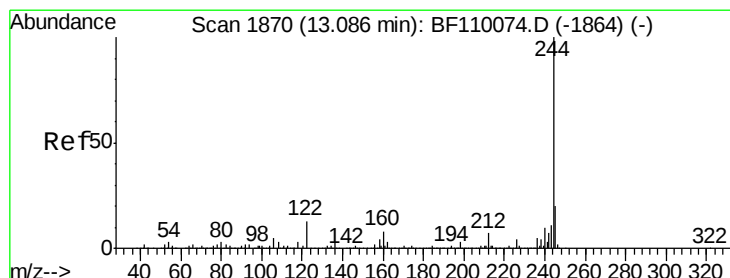
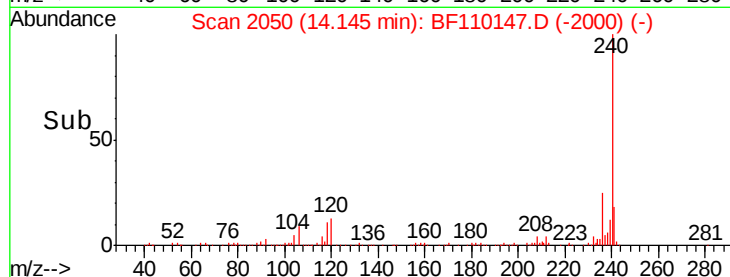
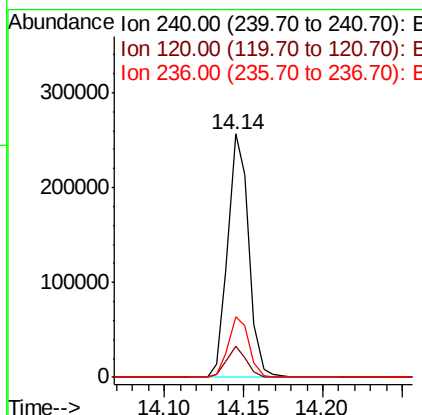
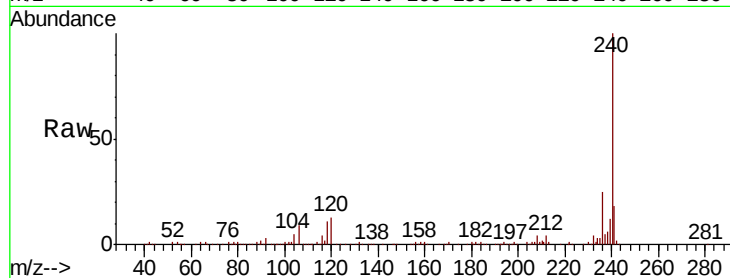




#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 14.14 min Scan# 2050  
Delta R.T. -0.01 min  
Lab File: BF110147.D  
Acq: 25 Oct 2018 6:54

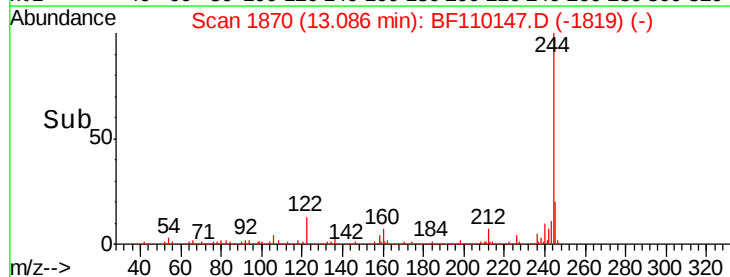
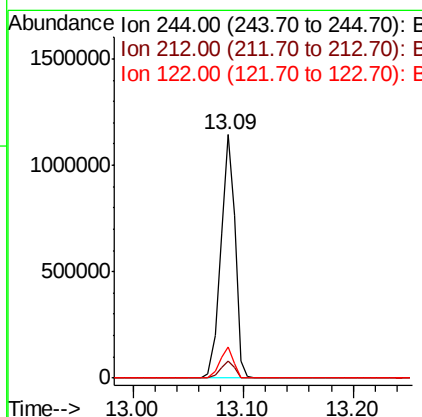
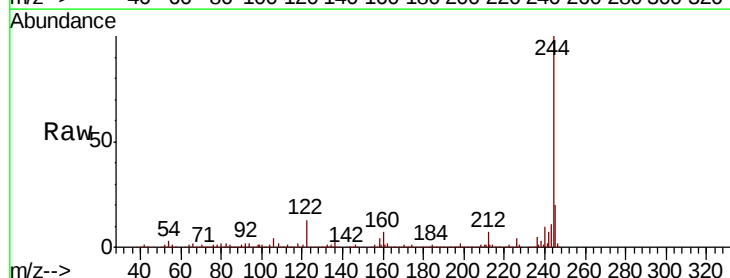
Instrument :  
BNA\_F  
ClientSampleId :  
102218-DBRI-F-U-M

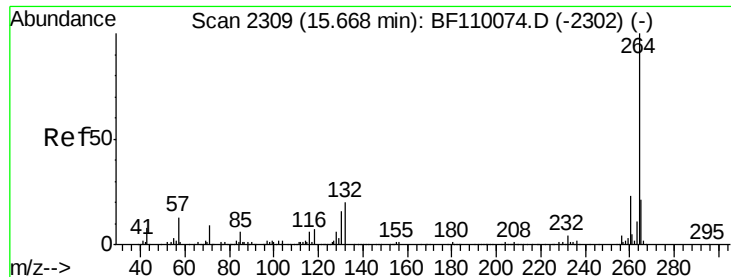
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 12.6  | 8.3   | 12.5# |
| 236     | 25.1  | 21.2  | 31.8  |



#79  
Terphenyl-d14  
Concen: 90.563 ng  
RT: 13.09 min Scan# 1870  
Delta R.T. 0.00 min  
Lab File: BF110147.D  
Acq: 25 Oct 2018 6:54

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.0   | 5.8   | 8.8   |
| 122     | 12.7  | 8.7   | 13.1  |





#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 15.67 min Scan# 2310  
Delta R.T. 0.01 min  
Lab File: BF110147.D  
Acq: 25 Oct 2018 6:54

Instrument :  
BNA\_F  
ClientSampleId :  
102218-DBRI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.7  | 28.1  |
| 265     | 20.7  | 16.7  | 25.1  |

