

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\  
 Data File : BF104178.D  
 Acq On : 3 Apr 2018 13:30  
 Operator : JU/SJ  
 Sample : J2114-09  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 032718-TIDO-E-U-B

Quant Time: Apr 03 15:35:52 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 03 15:22:43 2018  
 Response via : Initial Calibration

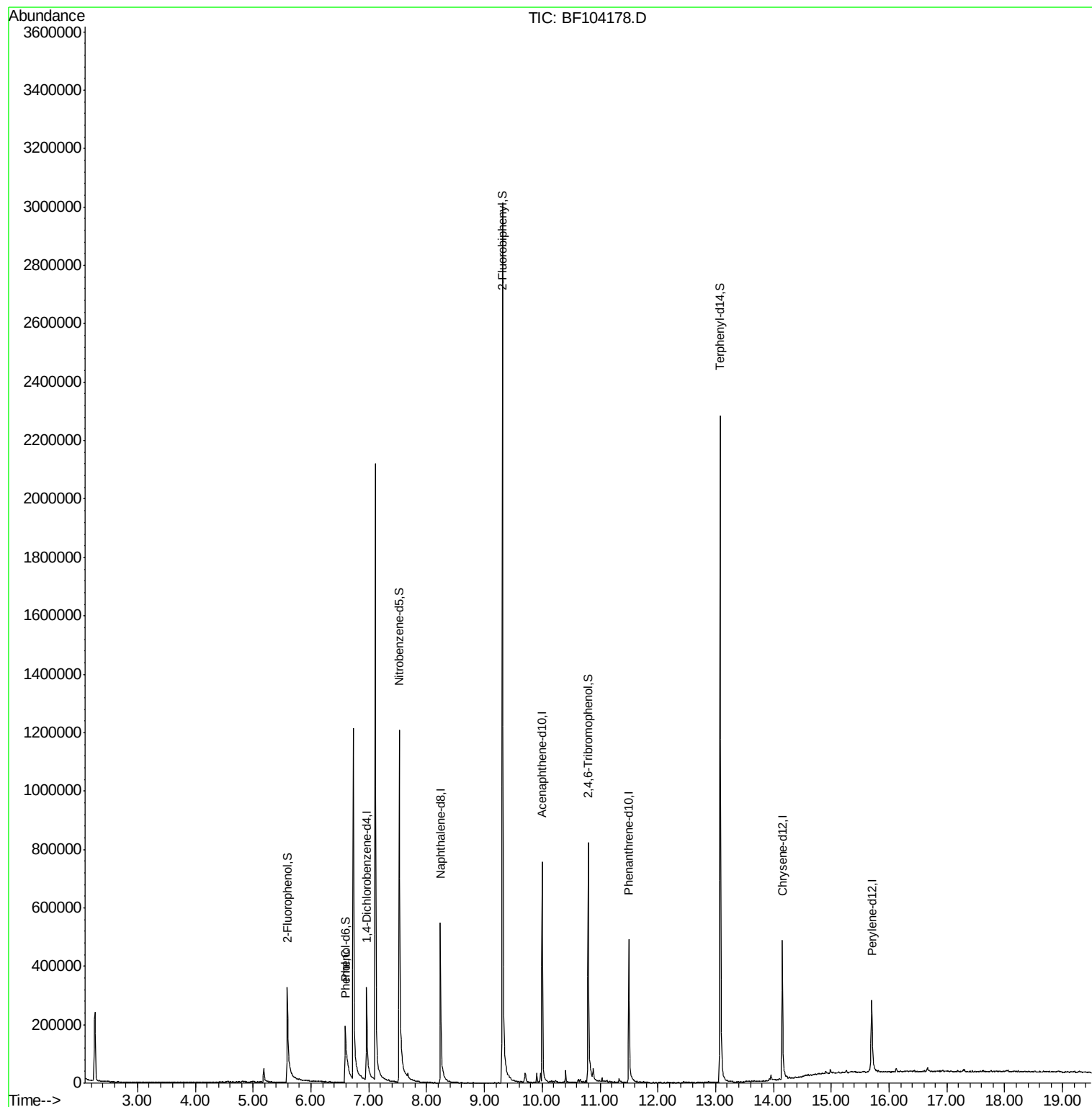
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.96  | 152  | 94352    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 8.24  | 136  | 395855   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 10.00 | 164  | 171006   | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 11.50 | 188  | 270050   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 14.15 | 240  | 217703   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 15.70 | 264  | 158761   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.59  | 112  | 225541   | 38.12  | ng    | 0.00         |
| 7) Phenol-d6                | 6.59  | 99   | 190767   | 26.21  | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 659508   | 101.89 | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 153565   | 80.65  | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 1223736  | 112.85 | ng    | 0.00         |
| 78) Terphenyl-d14           | 13.08 | 244  | 924286   | 98.03  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 10) Phenol                  | 6.61  | 94   | 20511    | 2.543  | ng    | Qvalue<br>89 |

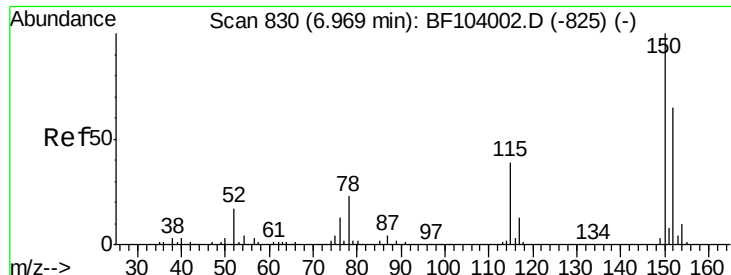
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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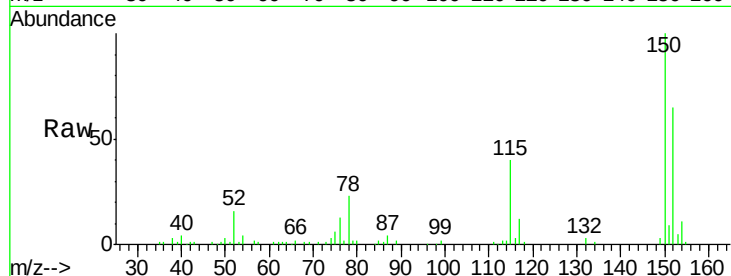


#1

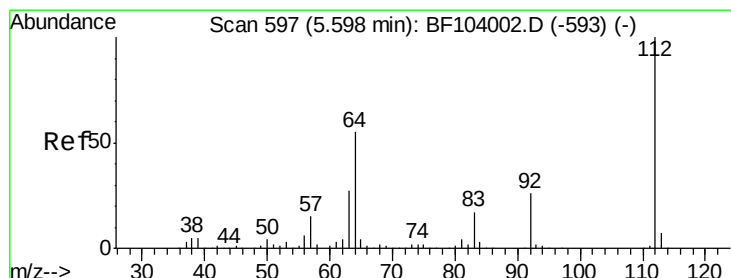
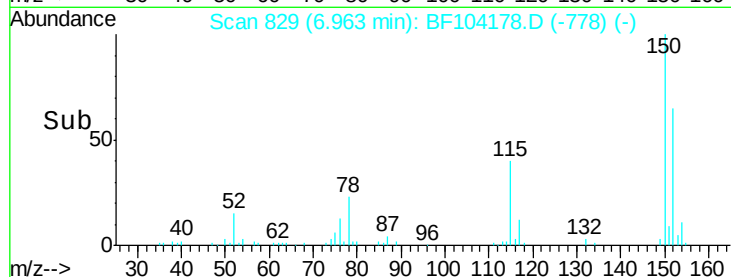
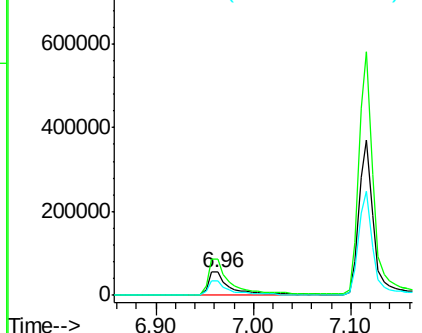
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.96 min Scan# 829  
Delta R.T. 0.00 min  
Lab File: BF104178.D  
Acq: 3 Apr 2018 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
032718-TIDO-E-U-B

Tot Ion:152 Resp: 94352  
Ion Ratio Lower Upper  
152 100  
150 153.9 124.6 186.8  
115 62.0 50.1 75.1



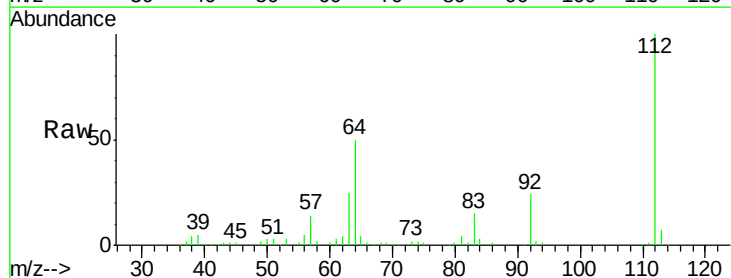
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



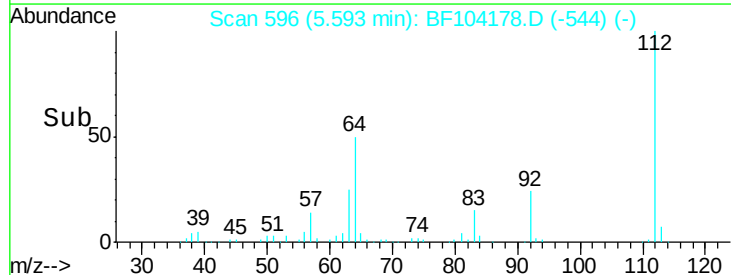
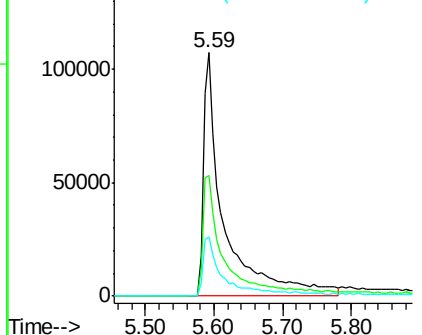
#5

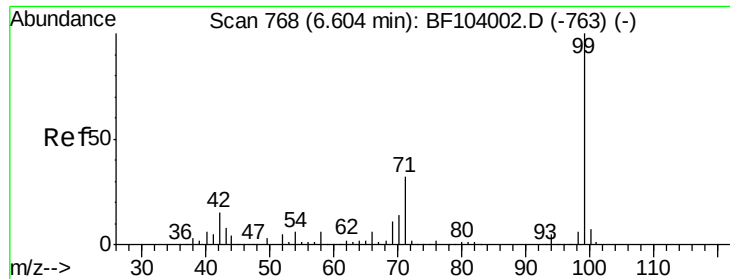
2-Fluorophenol  
Concen: 38.121 ng  
RT: 5.59 min Scan# 596  
Delta R.T. 0.01 min  
Lab File: BF104178.D  
Acq: 3 Apr 2018 13:30

Tgt Ion:112 Resp: 225541  
Ion Ratio Lower Upper  
112 100  
64 49.8 47.9 71.9  
63 24.6 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: 26.208 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104178.D

Acq: 3 Apr 2018 13:30

Instrument :

BNA\_F

ClientSampleId :

032718-TIDO-E-U-B

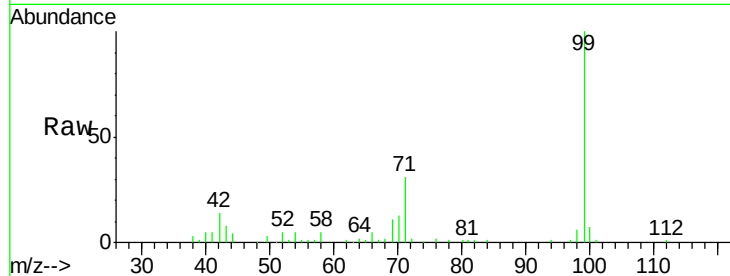
Tot Ion: 99 Resp: 190767

Ion Ratio Lower Upper

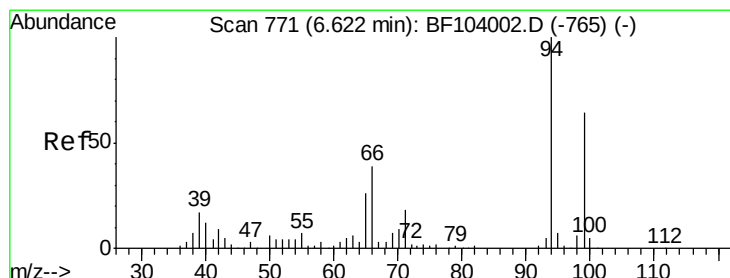
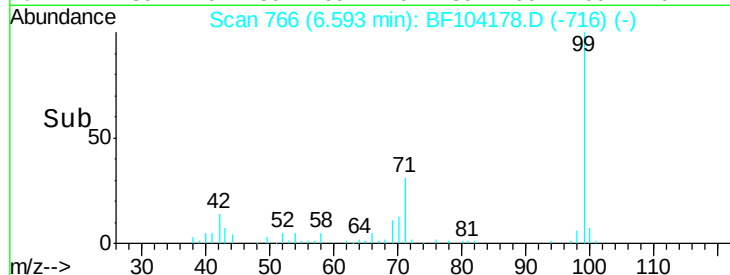
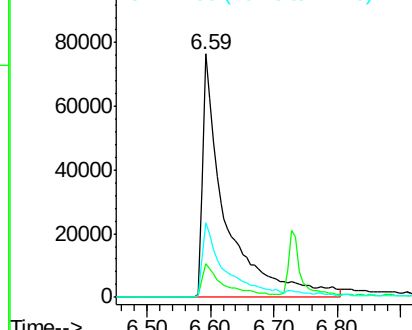
99 100

42 13.7 14.5 21.7#

71 30.8 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



#10

Phenol

Concen: 2.543 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.01 min

Lab File: BF104178.D

Acq: 3 Apr 2018 13:30

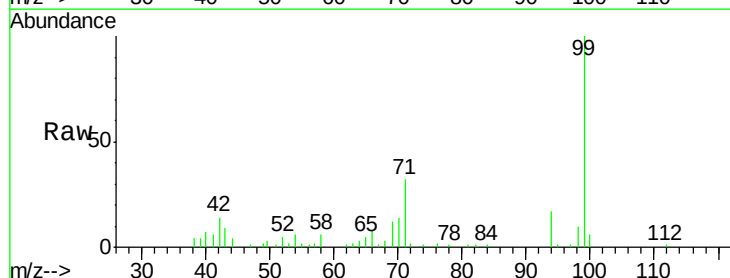
Tgt Ion: 94 Resp: 20511

Ion Ratio Lower Upper

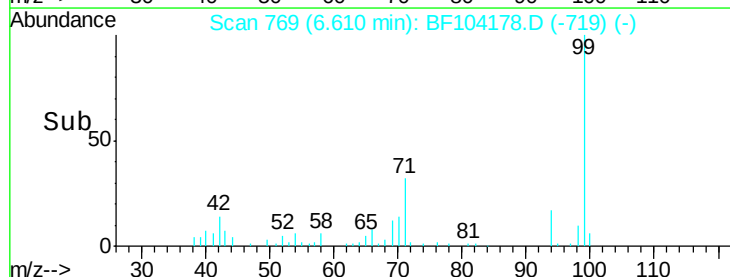
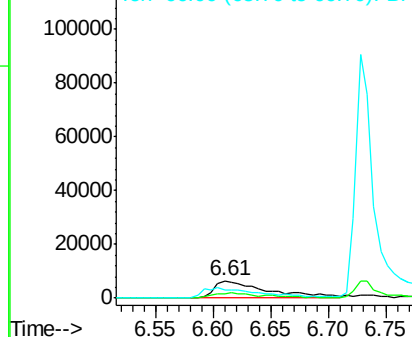
94 100

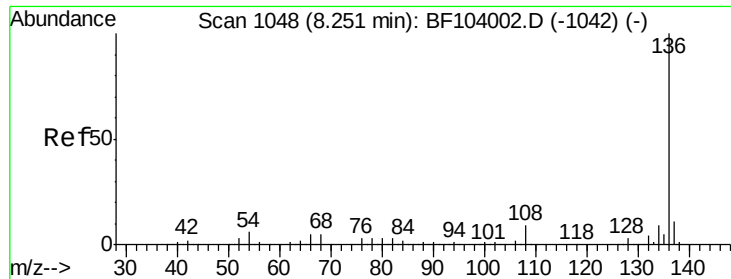
65 27.6 7.9 47.9

66 47.6 16.2 56.2



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

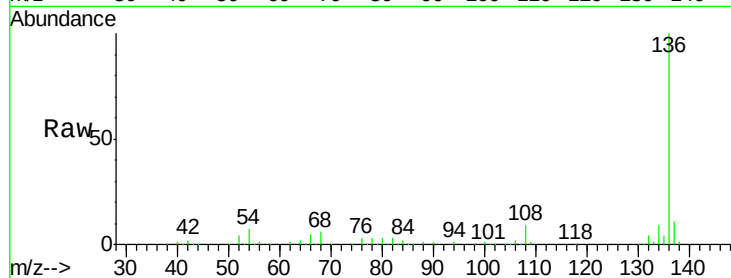




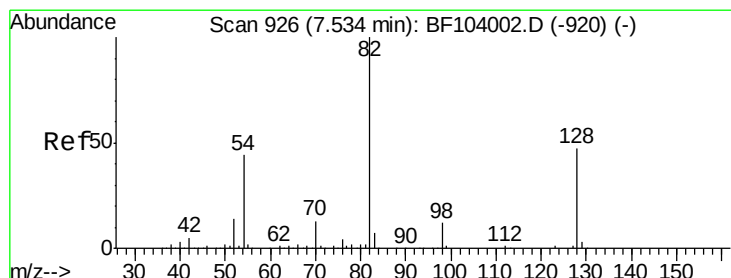
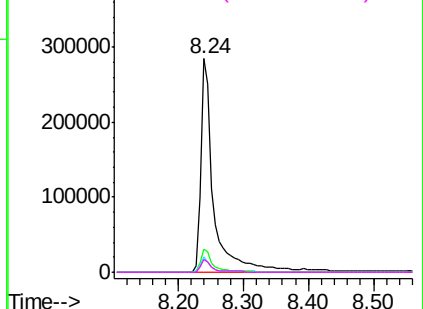
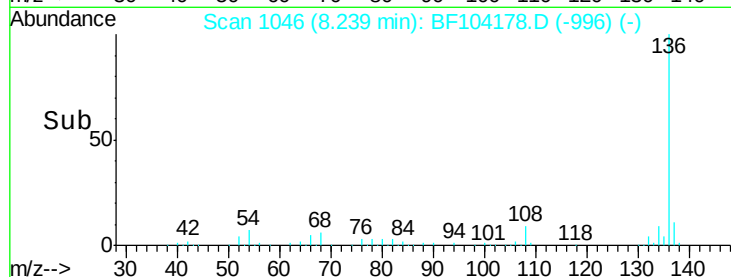
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.24 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BF104178.D  
Acq: 3 Apr 2018 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
032718-TIDO-E-U-B

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 136   | Resp: | 395855 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 7.1   | 6.6   | 9.8    |
| 68       | 6.1   | 5.0   | 7.4    |

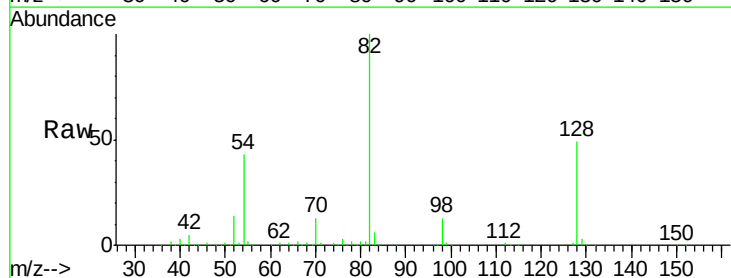


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

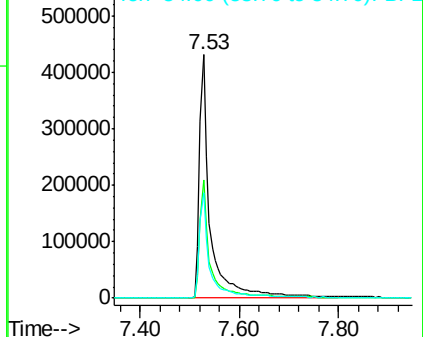
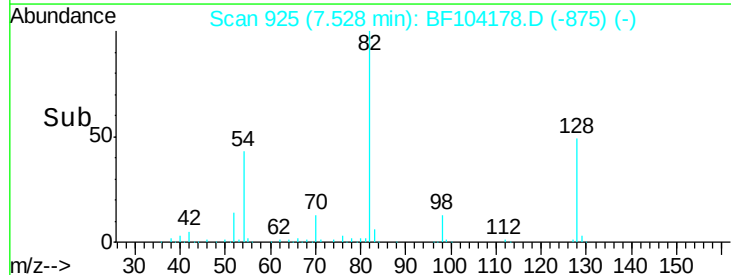


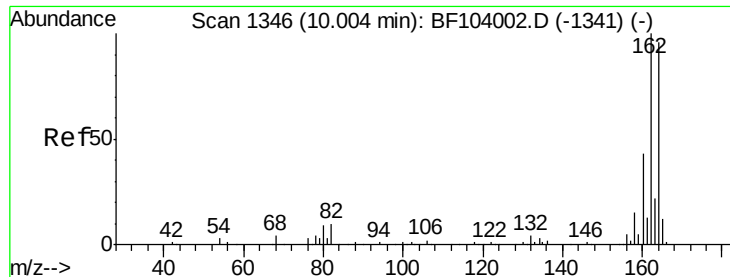
#23  
Nitrobenzene-d5  
Concen: 101.887 ng  
RT: 7.53 min Scan# 925  
Delta R.T. -0.01 min  
Lab File: BF104178.D  
Acq: 3 Apr 2018 13:30

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 659508 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 48.6  | 36.1  | 54.1   |
| 54       | 43.1  | 41.4  | 62.2   |



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

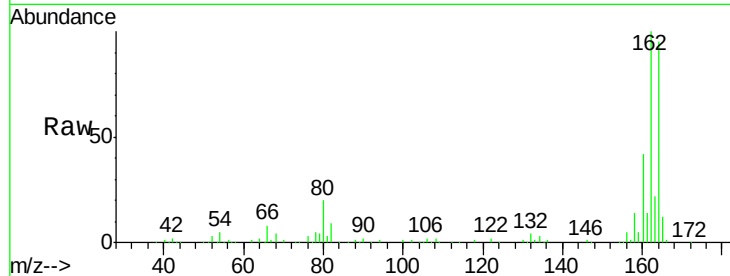




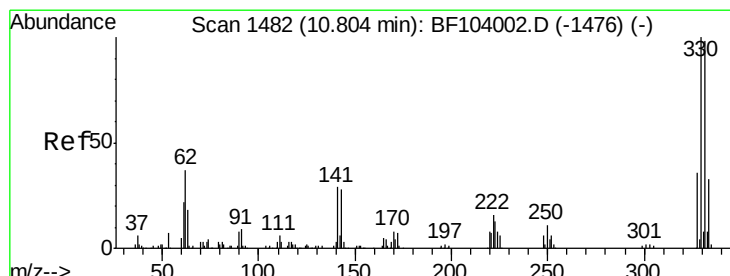
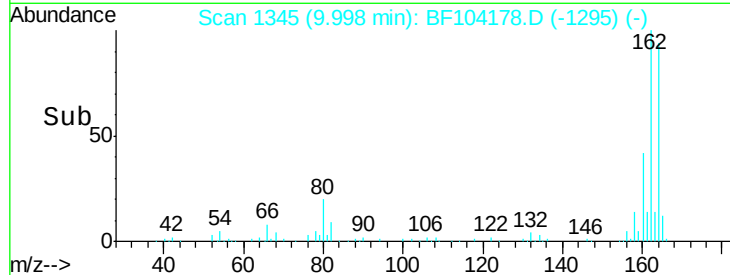
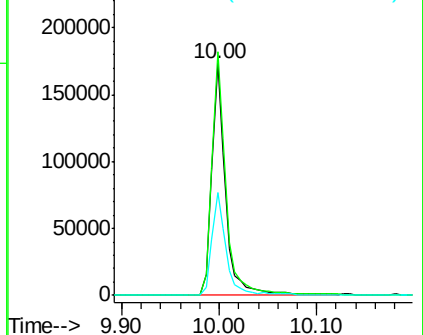
#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 10.00 min Scan# 1345  
Delta R.T. -0.01 min  
Lab File: BF104178.D  
Acq: 3 Apr 2018 13:30

Instrument :  
BNA\_F  
ClientSampleId :  
032718-TIDO-E-U-B

Tot Ion:164 Resp: 171006  
Ion Ratio Lower Upper  
164 100  
162 105.0 86.1 129.1  
160 44.4 38.3 57.5

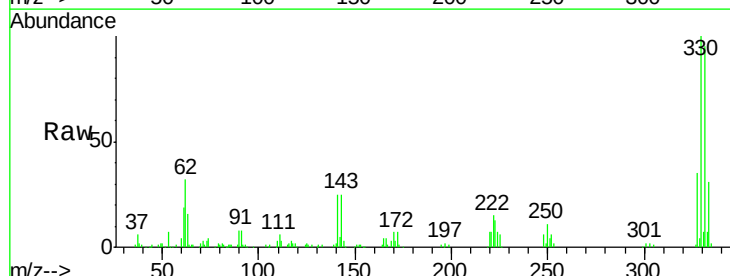


Abundance Ion 164.00 (163.70 to 164.70): E  
Ion 162.00 (161.70 to 162.70): E  
Ion 160.00 (159.70 to 160.70): E

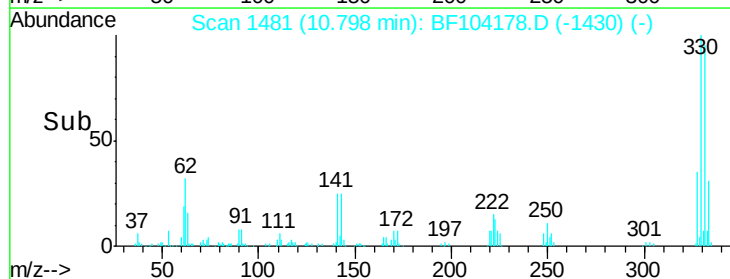
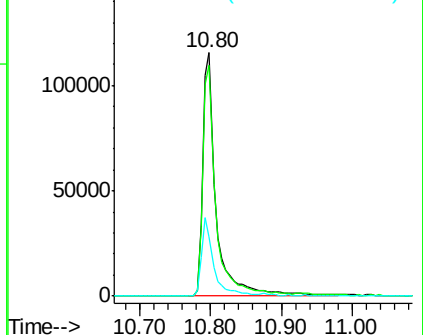


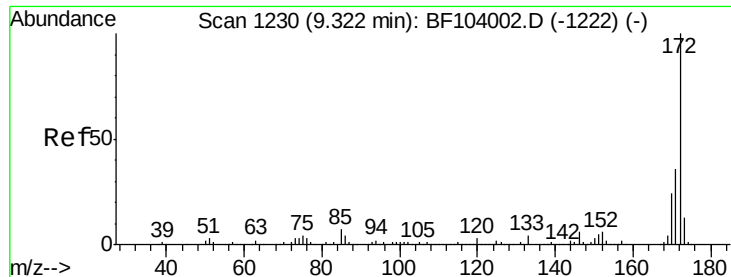
#41  
2,4,6-Tribromophenol  
Concen: 80.647 ng  
RT: 10.80 min Scan# 1481  
Delta R.T. 0.00 min  
Lab File: BF104178.D  
Acq: 3 Apr 2018 13:30

Tgt Ion:330 Resp: 153565  
Ion Ratio Lower Upper  
330 100  
332 95.2 77.0 115.6  
141 30.5 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



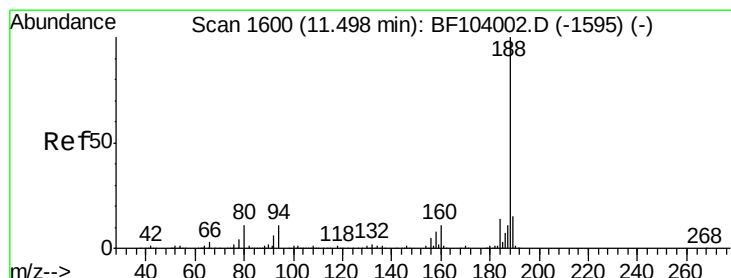
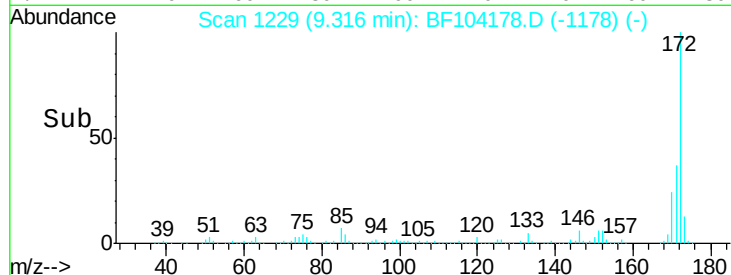
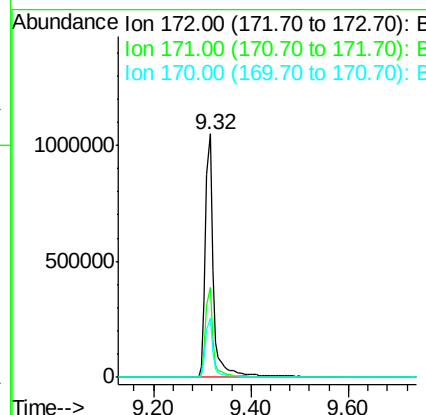
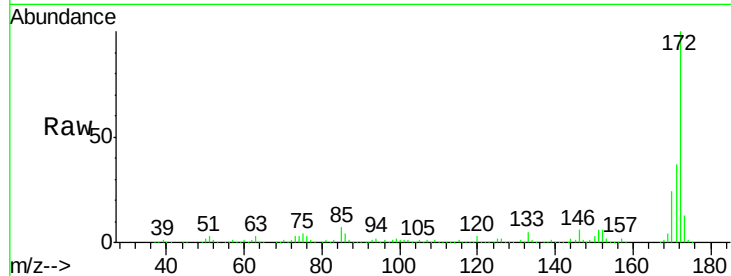


#44  
 2-Fluorobiphenyl  
 Concen: 112.846 ng  
 RT: 9.32 min Scan# 1229  
 Delta R.T. 0.00 min  
 Lab File: BF104178.D  
 Acq: 3 Apr 2018 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 032718-TIDO-E-U-B

Tot Ion:172 Resp: 1223736  

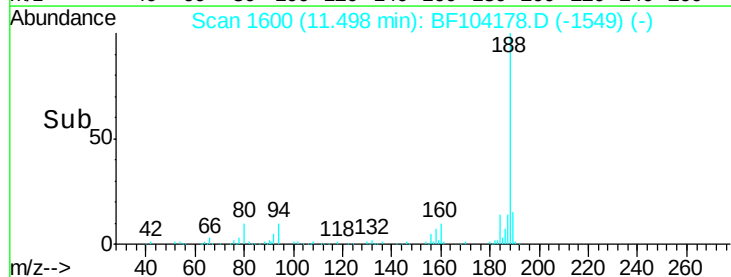
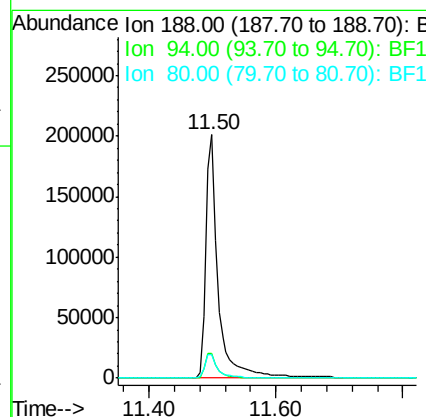
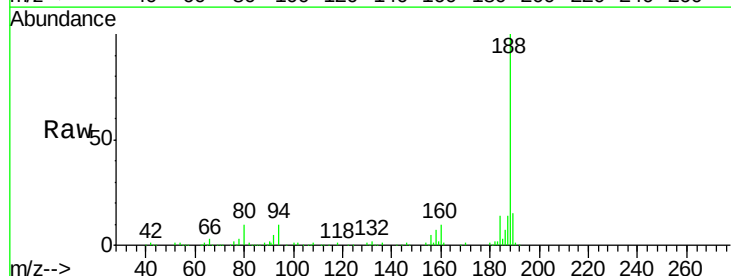
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 36.9  | 29.7  | 44.5  |
| 170 | 24.2  | 19.6  | 29.4  |

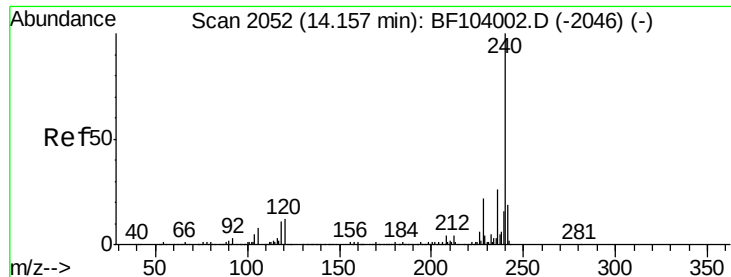


#63  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 11.50 min Scan# 1600  
 Delta R.T. 0.00 min  
 Lab File: BF104178.D  
 Acq: 3 Apr 2018 13:30

Tgt Ion:188 Resp: 270050  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 188 | 100   |       |       |
| 94  | 10.1  | 8.5   | 12.7  |
| 80  | 9.8   | 9.2   | 13.8  |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF104178.D

Acq: 3 Apr 2018 13:30

Instrument :

BNA\_F

ClientSampleId :

032718-TIDO-E-U-B

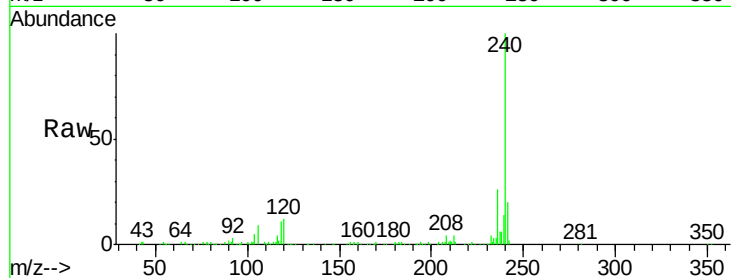
Tot Ion:240 Resp: 217703

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

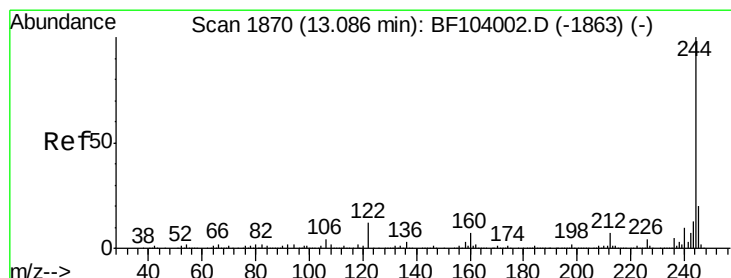
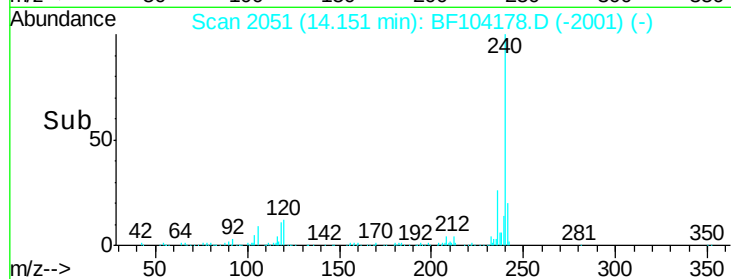
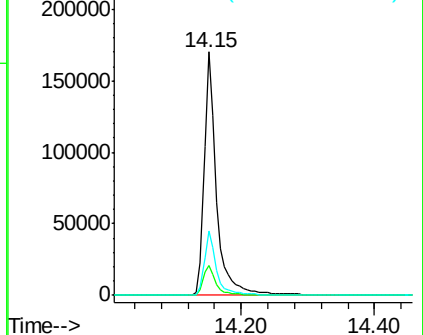
236 26.5 20.7 31.1



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: 98.030 ng

RT: 13.08 min Scan# 1869

Delta R.T. 0.00 min

Lab File: BF104178.D

Acq: 3 Apr 2018 13:30

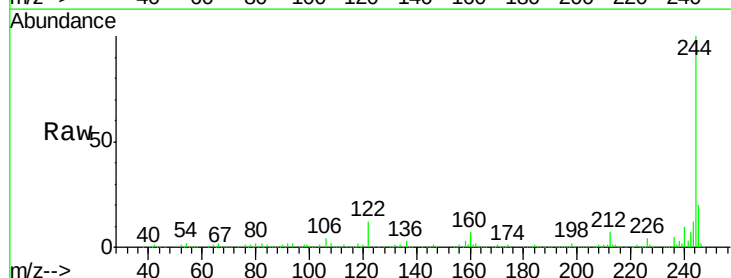
Tgt Ion:244 Resp: 924286

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

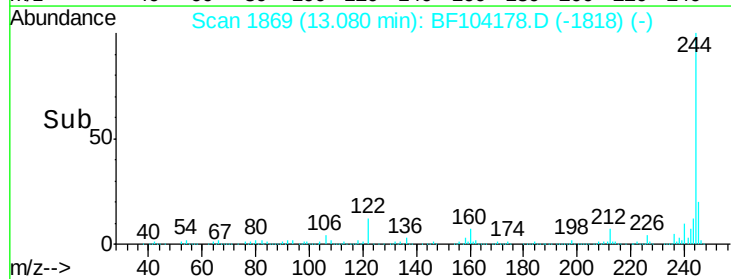
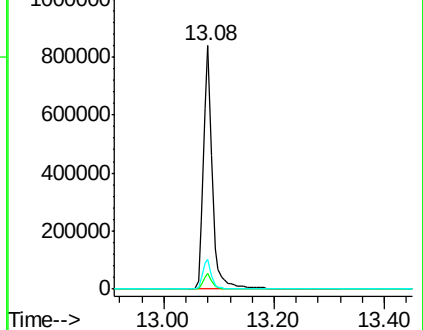
122 12.1 11.0 16.4



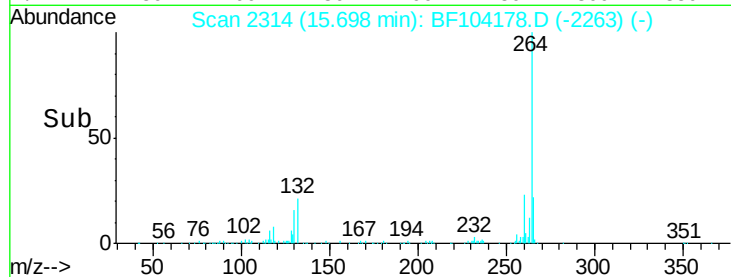
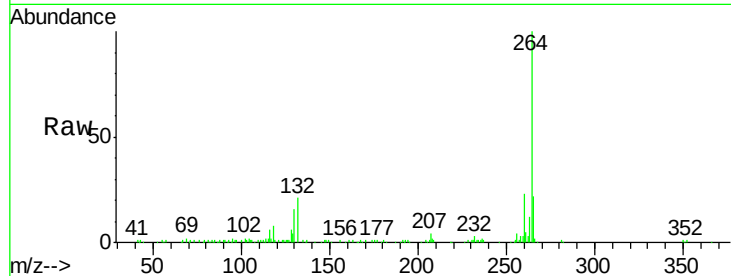
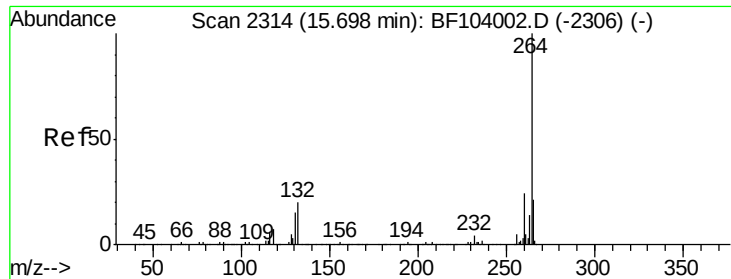
Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.70 min Scan# 2314  
 Delta R.T. 0.00 min  
 Lab File: BF104178.D  
 Acq: 3 Apr 2018 13:30

Instrument :  
 BNA\_F  
 ClientSampleId :  
 032718-TIDO-E-U-B

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.4  | 19.2  | 28.8  |
| 265     | 21.8  | 17.5  | 26.3  |

