

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\  
 Data File : BF108588.D  
 Acq On : 29 Aug 2018 6:32  
 Operator : JU/SJ  
 Sample : J4656-11  
 Misc :  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082418-DBRI-F-U-M

Quant Time: Aug 29 08:20:02 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 22 11:01:45 2018  
 Response via : Initial Calibration

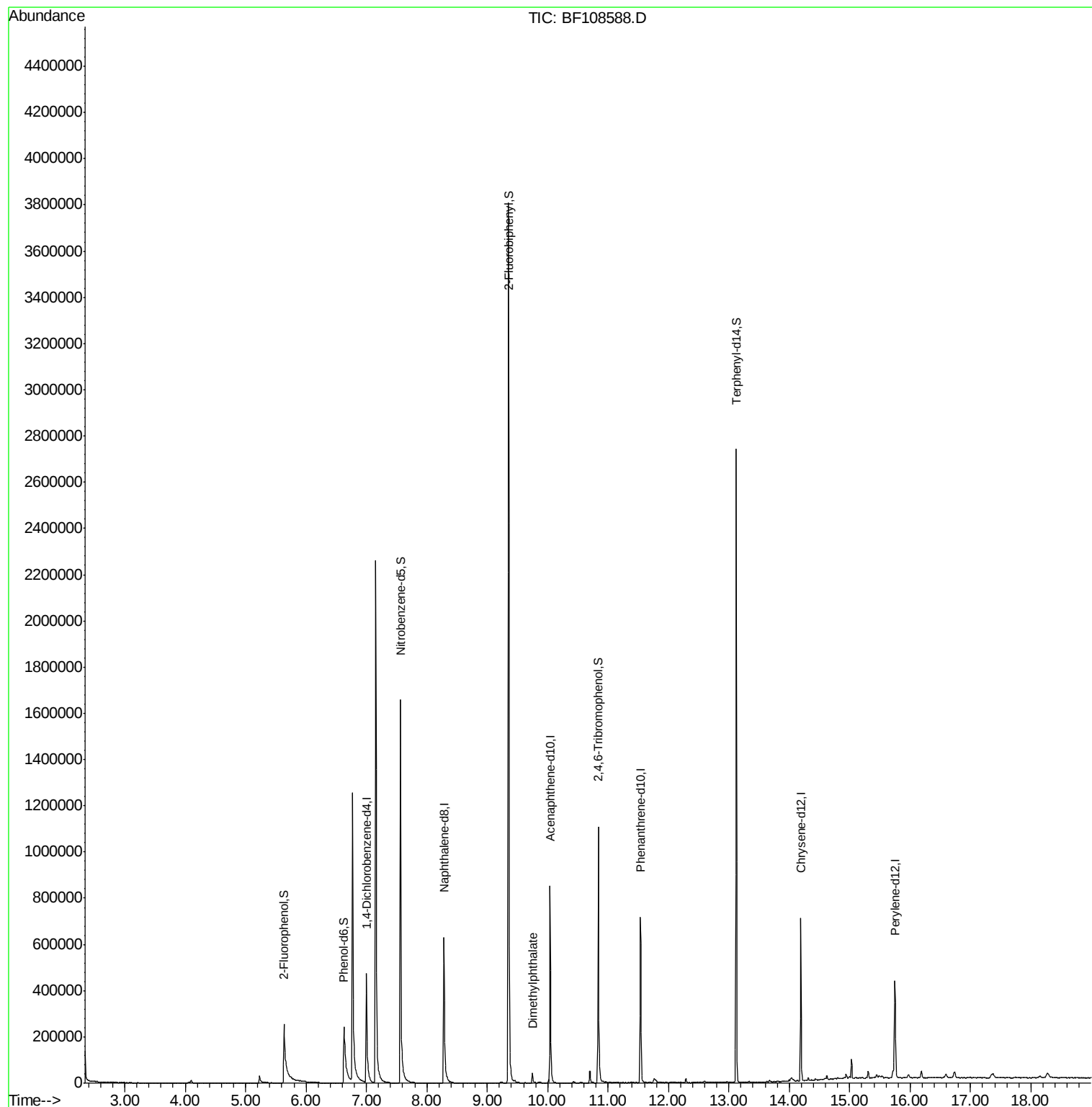
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.00  | 152  | 106817   | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.28  | 136  | 399997   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.04 | 164  | 182999   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 11.54 | 188  | 294078   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 14.19 | 240  | 276263   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 15.75 | 264  | 216322   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.64  | 112  | 196066   | 33.23  | ng    | 0.00     |
| 7) Phenol-d6                | 6.62  | 99   | 208741   | 26.62  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.57  | 82   | 692850   | 96.66  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 10.84 | 330  | 152821   | 83.72  | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 9.35  | 172  | 1258098  | 110.37 | ng    | -0.01    |
| 78) Terphenyl-d14           | 13.12 | 244  | 958969   | 88.26  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       | Qvalue   |
| 49) Dimethylphthalate       | 9.75  | 163  | 28077    | 2.203  | ng    | 99       |

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

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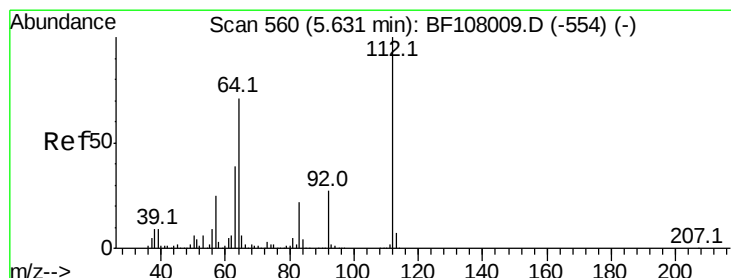
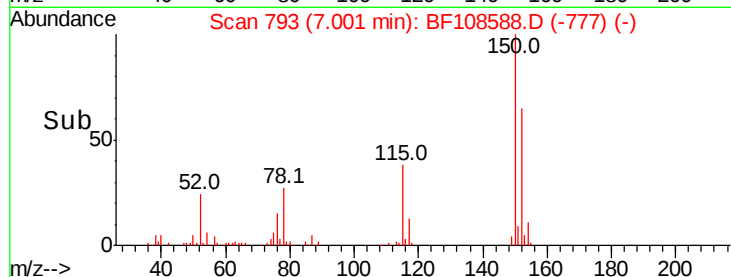
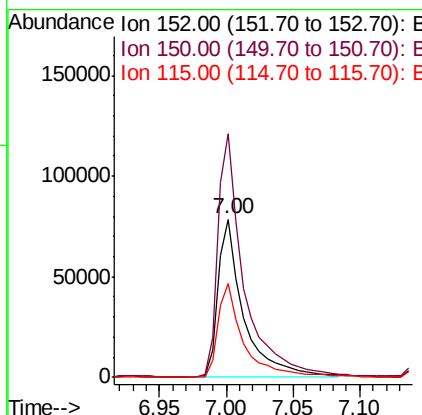
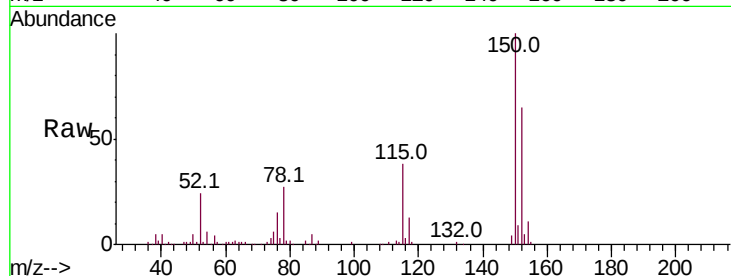


#1

1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.00 min Scan# 793  
Delta R.T. -0.01 min  
Lab File: BF108588.D  
Acq: 29 Aug 2018 6:32

Instrument :  
BNA\_F  
ClientSampleId :  
082418-DBRI-F-U-M

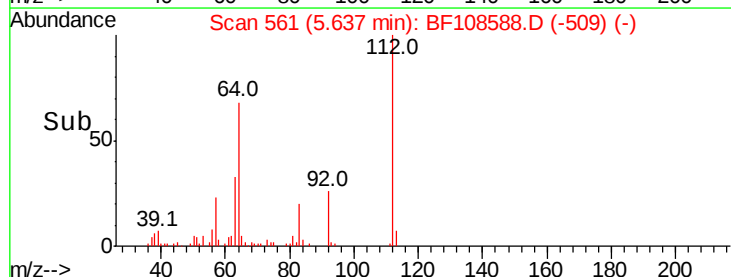
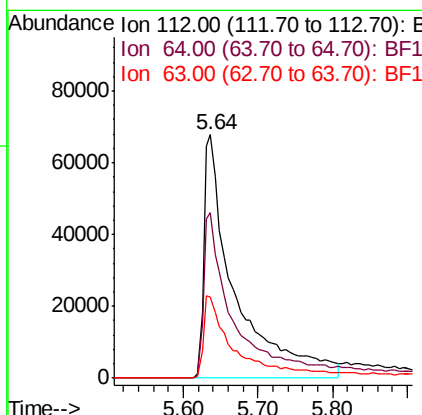
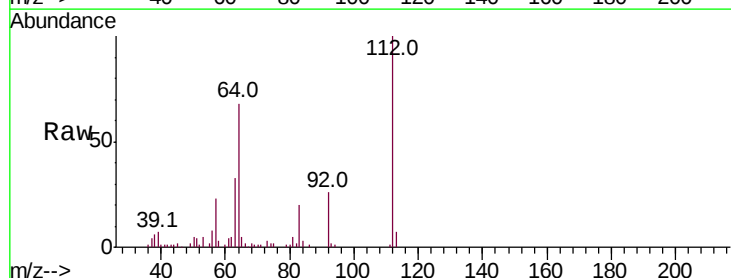
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.0 | 124.6 | 186.8 |
| 115     | 59.2  | 50.1  | 75.1  |



#5

2-Fluorophenol  
Concen: 33.231 ng  
RT: 5.64 min Scan# 561  
Delta R.T. 0.01 min  
Lab File: BF108588.D  
Acq: 29 Aug 2018 6:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 68.1  | 47.9  | 71.9  |
| 63      | 33.2  | 23.7  | 35.5  |





#7

Phenol-d6

Concen: 26.624 ng

RT: 6.62 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF108588.D

Acq: 29 Aug 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

082418-DBRI-F-U-M

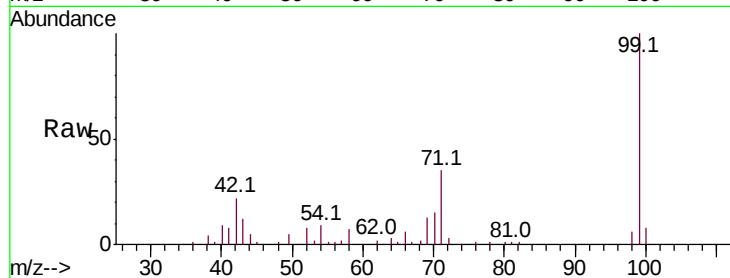
Tot Ion: 99 Resp: 208741

Ion Ratio Lower Upper

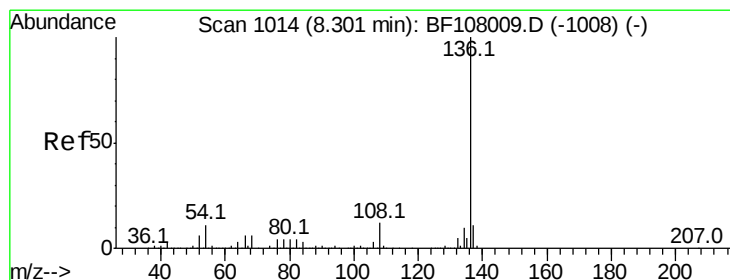
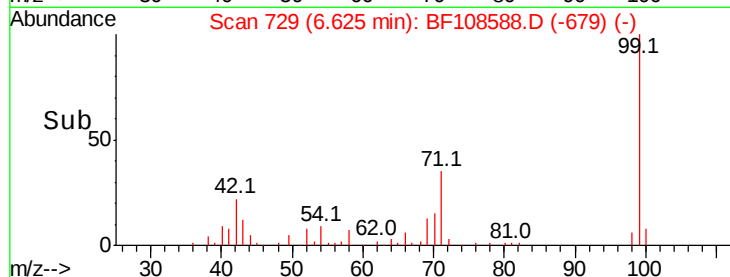
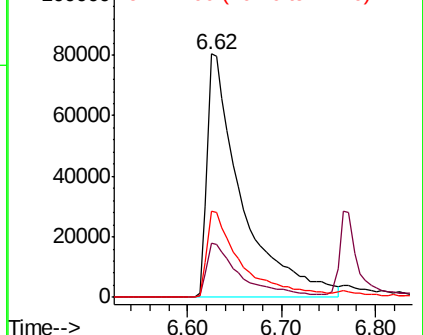
99 100

42 22.2 14.5 21.7#

71 35.4 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: 8.28 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF108588.D

Acq: 29 Aug 2018 6:32

Tgt Ion: 136 Resp: 399997

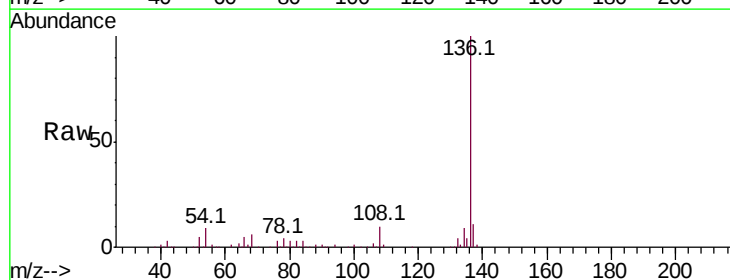
Ion Ratio Lower Upper

136 100

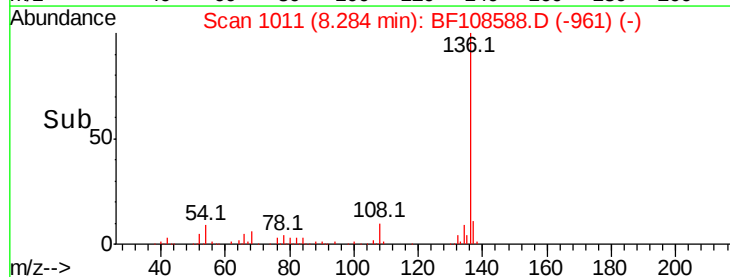
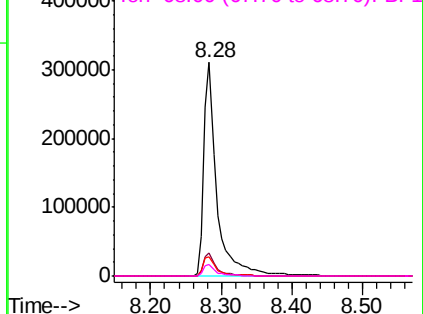
137 10.9 8.9 13.3

54 9.1 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: 96.656 ng

RT: 7.57 min Scan# 889

Delta R.T. -0.01 min

Lab File: BF108588.D

Acq: 29 Aug 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

082418-DBRI-F-U-M

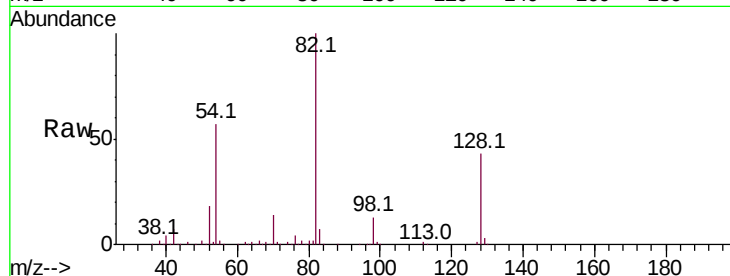
Tot Ion: 82 Resp: 692850

Ion Ratio Lower Upper

82 100

128 42.9 36.1 54.1

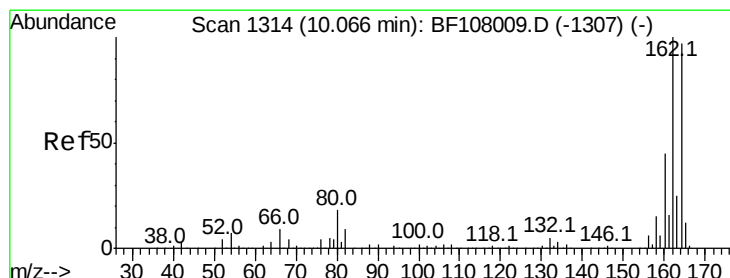
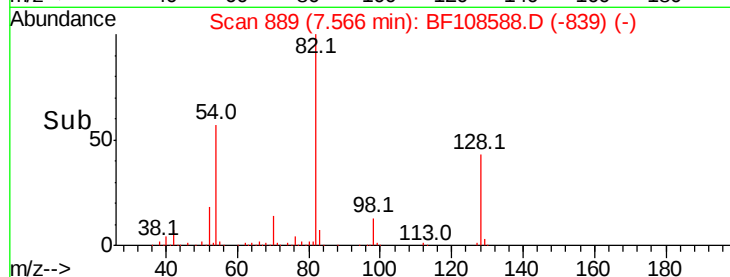
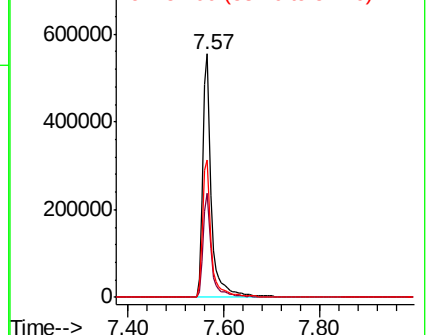
54 56.6 41.4 62.2



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: 10.04 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF108588.D

Acq: 29 Aug 2018 6:32

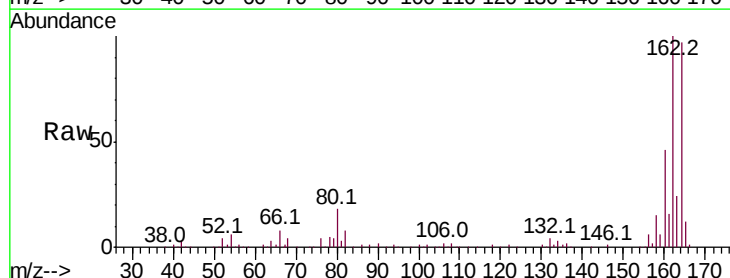
Tgt Ion: 164 Resp: 182999

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

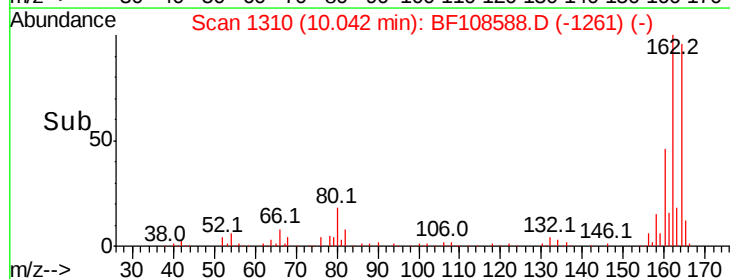
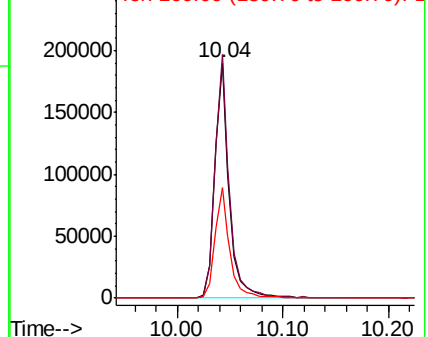
160 47.1 38.3 57.5



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

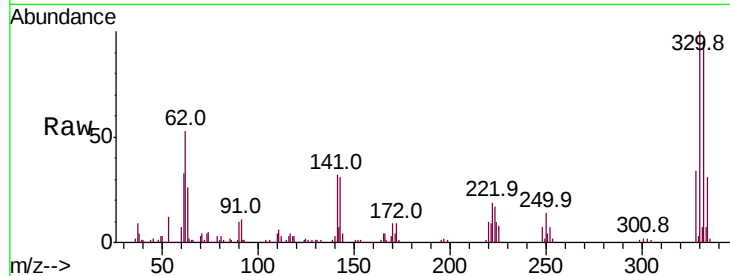




#41  
 2,4,6-Tribromophenol  
 Concen: 83.721 ng  
 RT: 10.84 min Scan# 1445  
 Delta R.T. -0.01 min  
 Lab File: BF108588.D  
 Acq: 29 Aug 2018 6:32

Instrument :  
 BNA\_F  
 ClientSampleId :  
 082418-DBRI-F-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.0  | 77.0  | 115.6 |
| 141     | 32.2  | 29.9  | 44.9  |

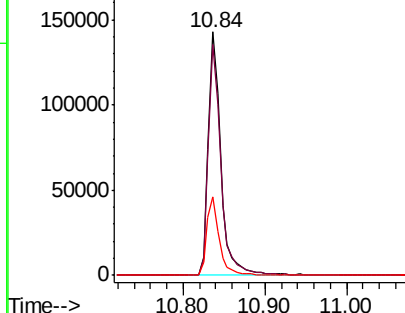
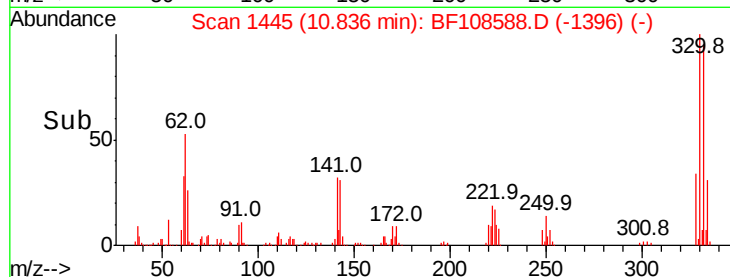


Abundance

Ion 329.80 (329.50 to 330.50): E

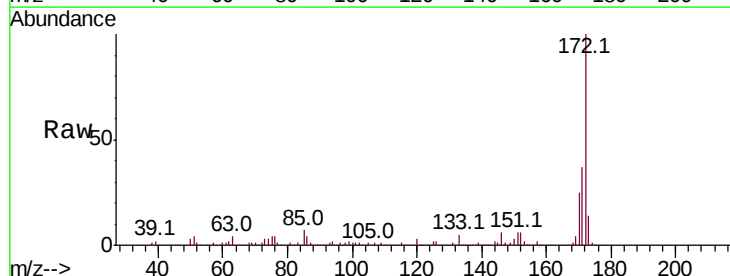
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 110.374 ng  
 RT: 9.35 min Scan# 1193  
 Delta R.T. -0.01 min  
 Lab File: BF108588.D  
 Acq: 29 Aug 2018 6:32

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.1  | 29.7  | 44.5  |
| 170     | 25.0  | 19.6  | 29.4  |

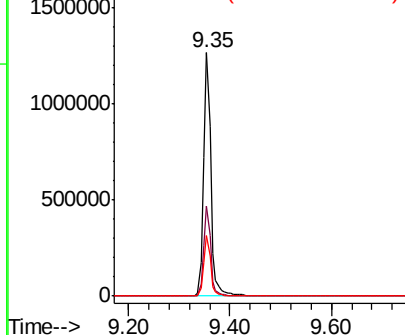
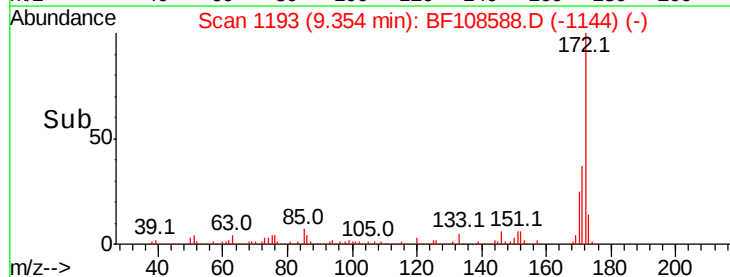


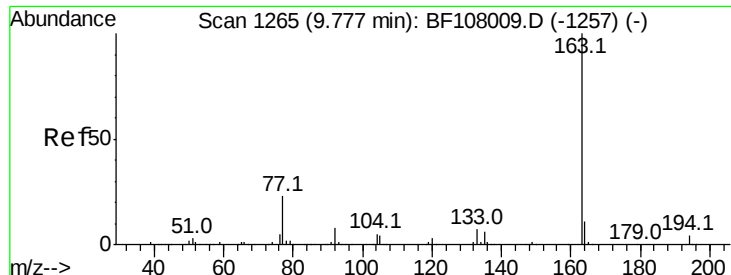
Abundance

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

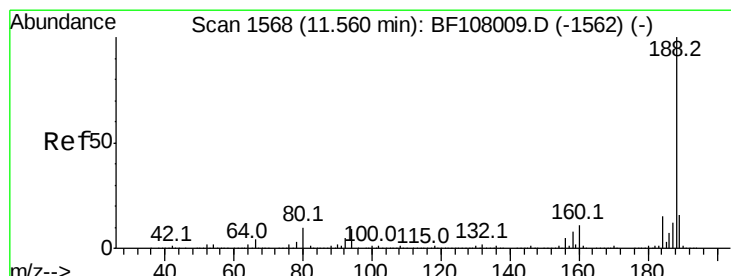
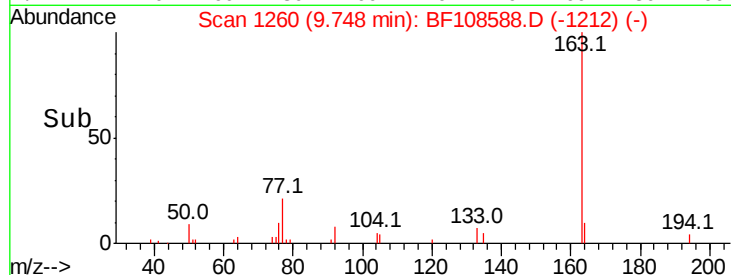
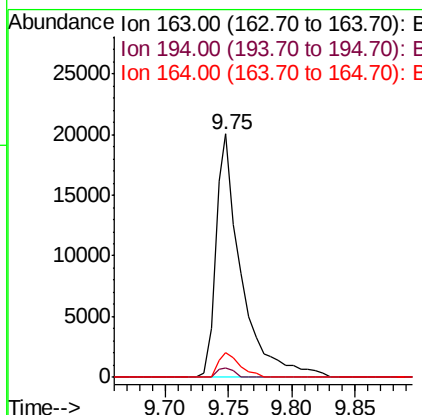
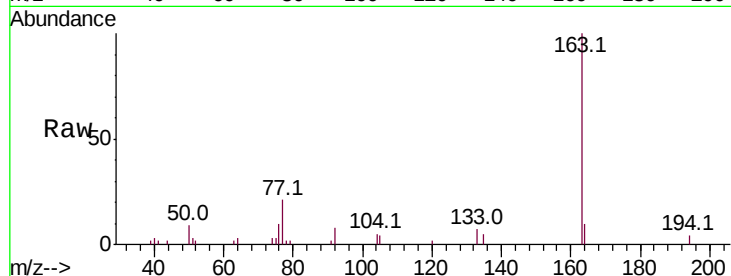




#49  
Dimethylphthalate  
Concen: 2.203 ng  
RT: 9.75 min Scan# 1260  
Delta R.T. -0.02 min  
Lab File: BF108588.D  
Acq: 29 Aug 2018 6:32

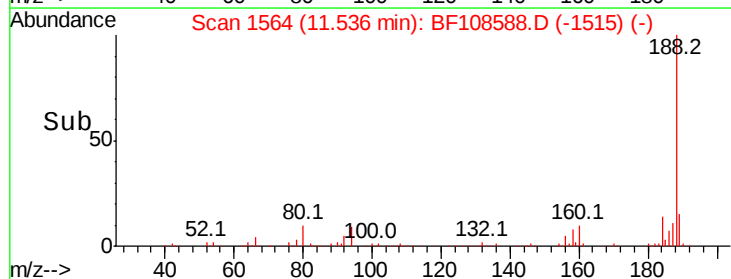
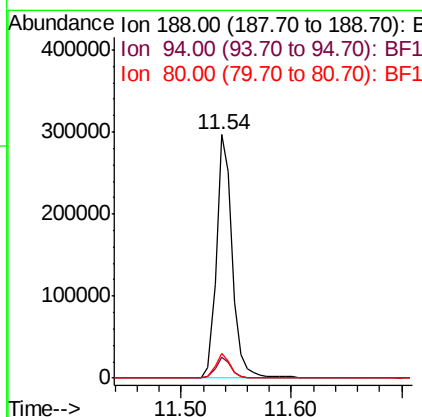
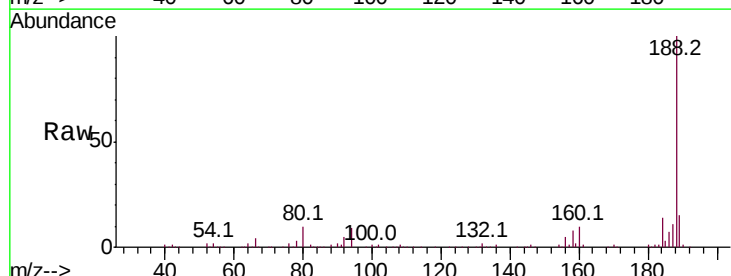
Instrument :  
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082418-DBRI-F-U-M

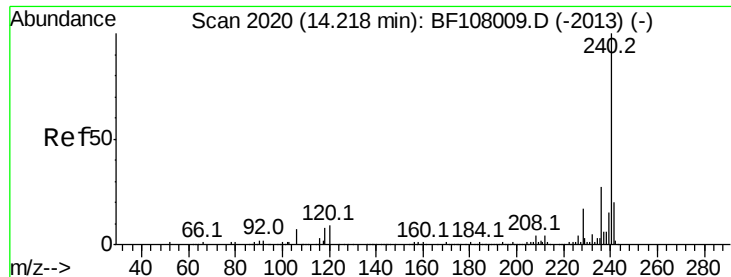
Tot Ion:163 Resp: 28077  
Ion Ratio Lower Upper  
163 100  
194 4.0 2.7 4.1  
164 10.2 8.2 12.2



#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.54 min Scan# 1564  
Delta R.T. -0.01 min  
Lab File: BF108588.D  
Acq: 29 Aug 2018 6:32

Tgt Ion:188 Resp: 294078  
Ion Ratio Lower Upper  
188 100  
94 8.6 8.5 12.7  
80 10.0 9.2 13.8





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF108588.D

Acq: 29 Aug 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

082418-DBRI-F-U-M

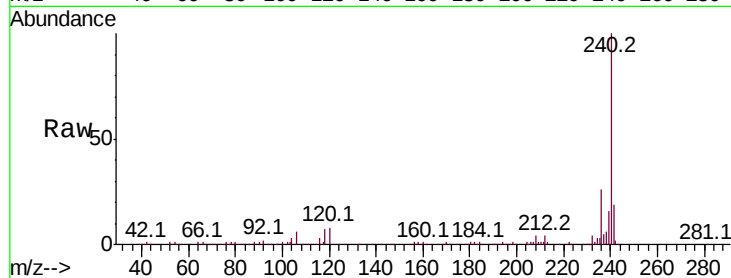
Tot Ion:240 Resp: 276263

Ion Ratio Lower Upper

240 100

120 8.0 9.5 14.3#

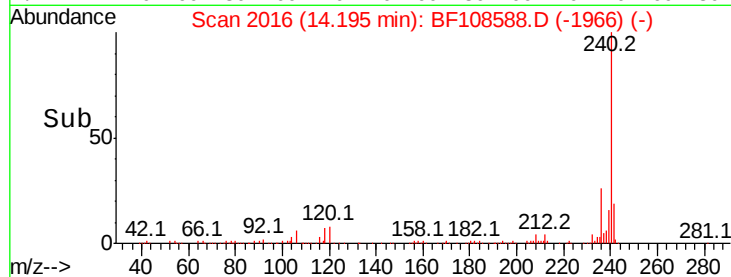
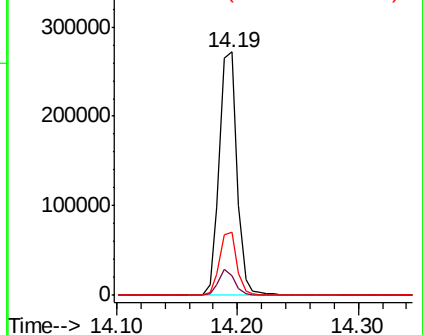
236 25.9 20.7 31.1



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: 88.258 ng

RT: 13.12 min Scan# 1834

Delta R.T. -0.01 min

Lab File: BF108588.D

Acq: 29 Aug 2018 6:32

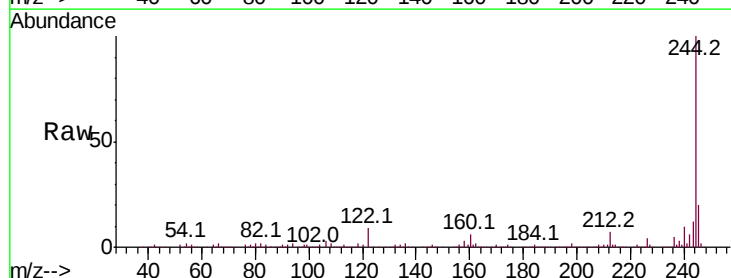
Tgt Ion:244 Resp: 958969

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

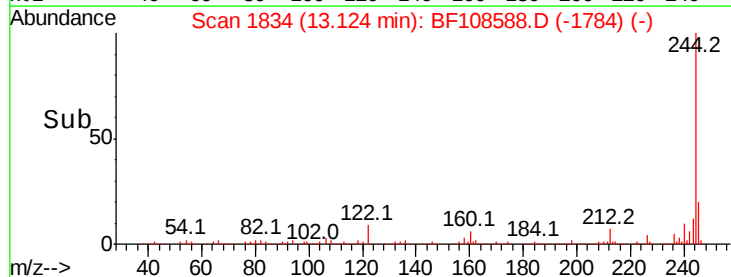
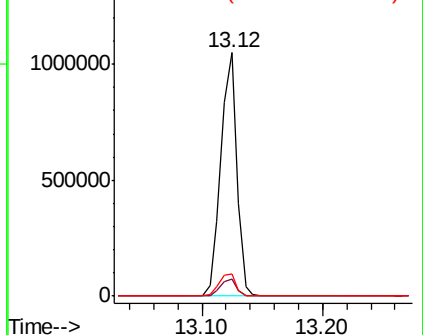
122 9.1 11.0 16.4#

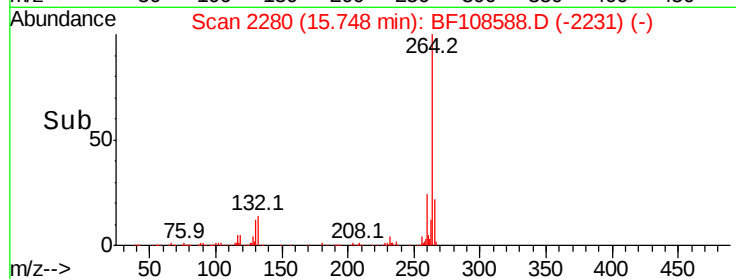
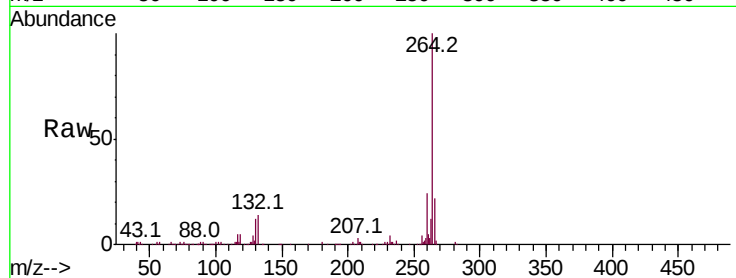


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.75 min Scan# 2280

Delta R.T. -0.01 min

Lab File: BF108588.D

Acq: 29 Aug 2018 6:32

Instrument :

BNA\_F

ClientSampleId :

082418-DBRI-F-U-M

Tot Ion:264 Resp: 216322

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.5 17.5 26.3

