

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF061418\  
 Data File : BF106472.D  
 Acq On : 15 Jun 2018 5:04  
 Operator : JU/SJ  
 Sample : J3474-05  
 Misc :  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 061118-DBRI-E-U-M

Quant Time: Jun 15 08:44:08 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061118.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jun 14 18:39:24 2018  
 Response via : Initial Calibration

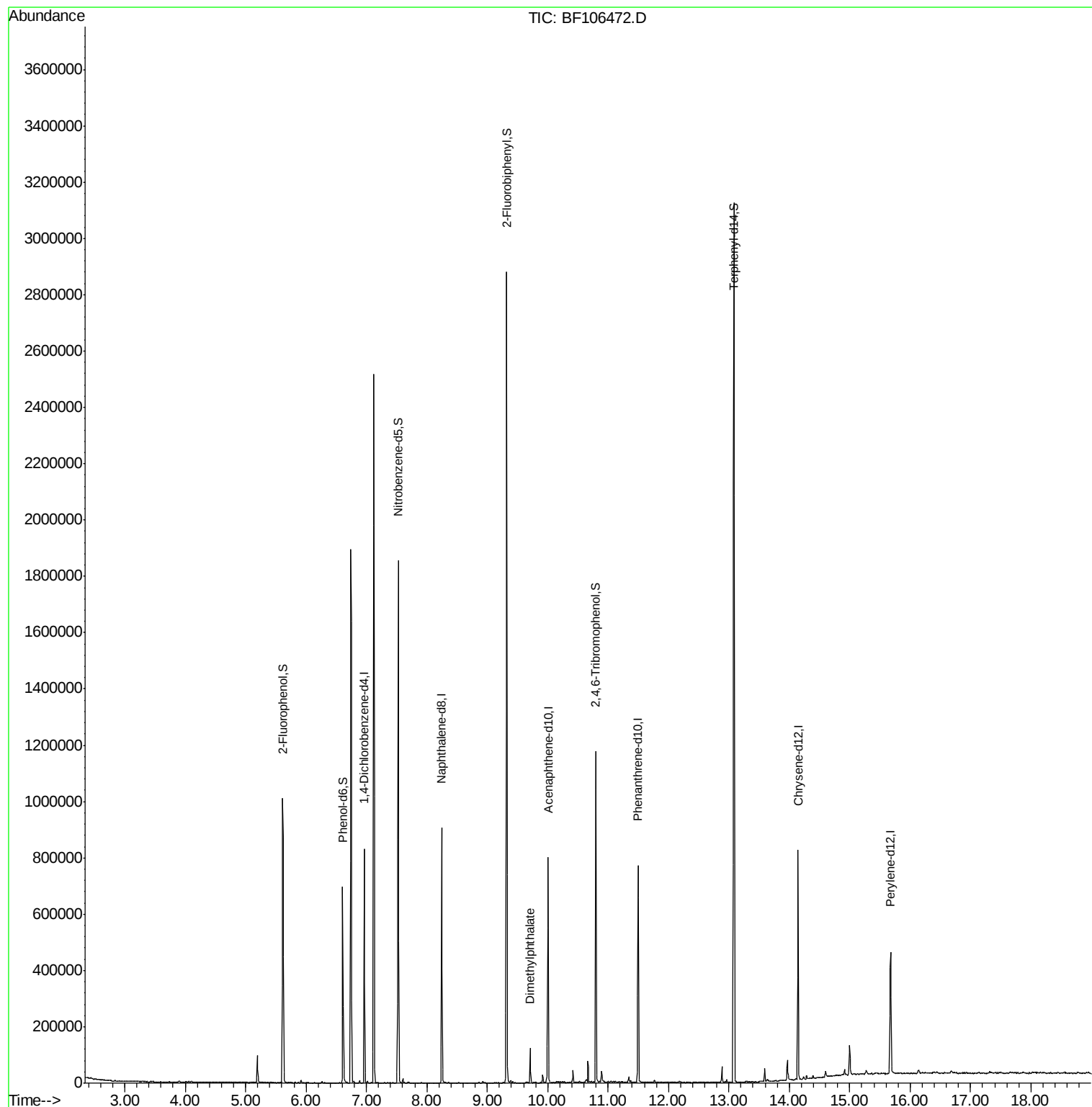
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.97  | 152  | 108850   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.25  | 136  | 369209   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 10.01 | 164  | 144613   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.49 | 188  | 279041   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 14.14 | 240  | 286132   | 20.00  | ng    | -0.02     |
| 86) Perylene-d12            | 15.68 | 264  | 198218   | 20.00  | ng    | -0.02     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.61  | 112  | 297969   | 46.33  | ng    | 0.00      |
| 7) Phenol-d6                | 6.61  | 99   | 229602   | 28.26  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.53  | 82   | 634467   | 101.09 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.80 | 330  | 147736   | 106.18 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.32  | 172  | 987175   | 156.52 | ng    | 0.00      |
| 78) Terphenyl-d14           | 13.08 | 244  | 1112129  | 96.54  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 9.71  | 163  | 46499    | 4.501  | ng    | Qvalue 99 |

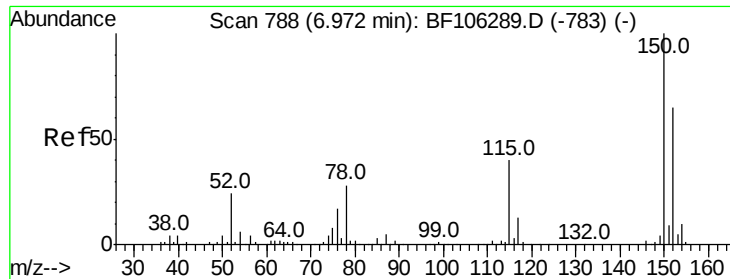
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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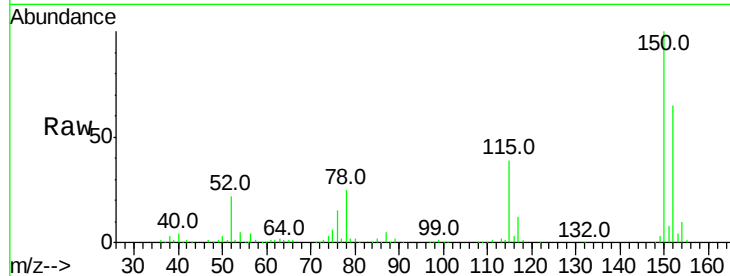


#1

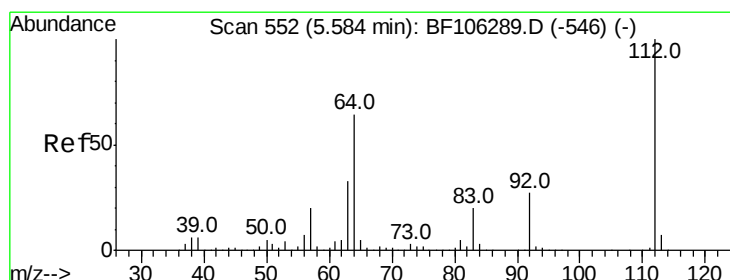
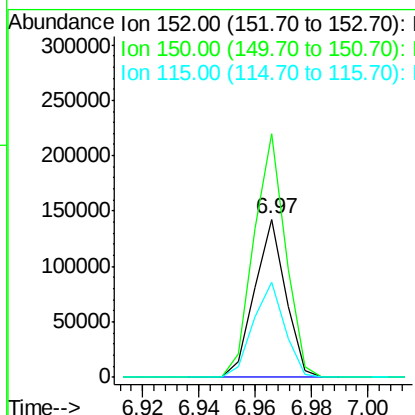
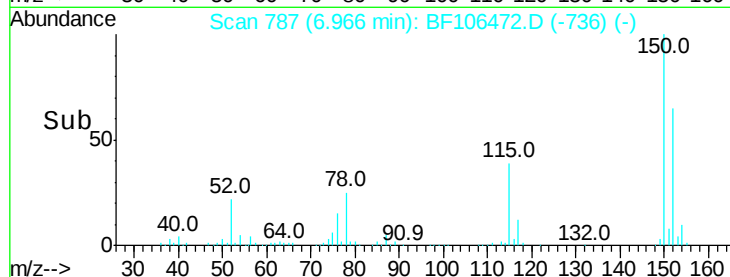
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.97 min Scan# 787  
Delta R.T. -0.00 min  
Lab File: BF106472.D  
Acq: 15 Jun 2018 5:04

Instrument :  
BNA\_F  
ClientSampleId :  
061118-DBRI-E-U-M

Tot Ion:152 Resp: 108850  
Ion Ratio Lower Upper  
152 100  
150 154.0 124.6 186.8  
115 59.8 50.1 75.1



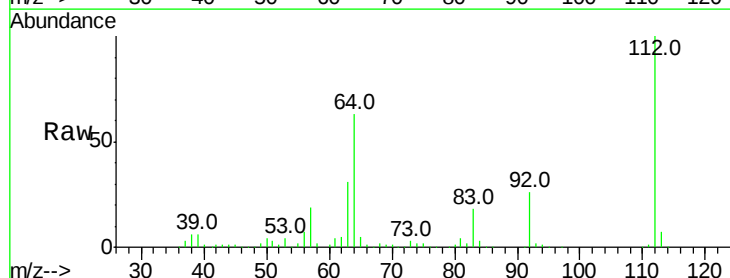
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



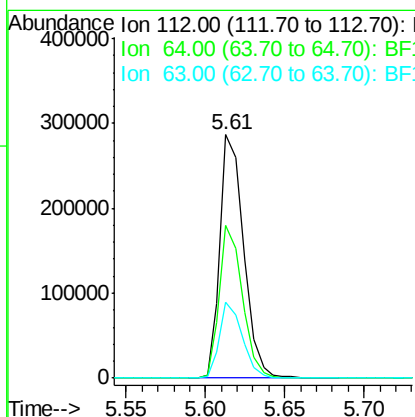
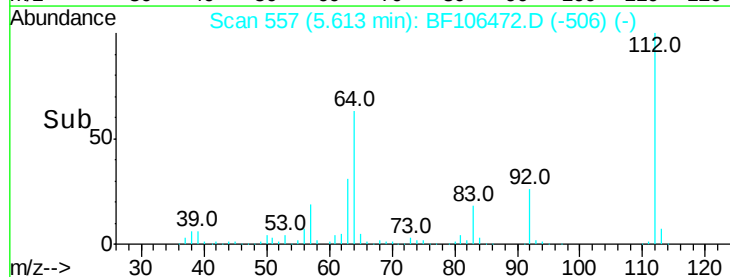
#5

2-Fluorophenol  
Concen: 46.331 ng  
RT: 5.61 min Scan# 557  
Delta R.T. -0.00 min  
Lab File: BF106472.D  
Acq: 15 Jun 2018 5:04

Tgt Ion:112 Resp: 297969  
Ion Ratio Lower Upper  
112 100  
64 62.8 47.9 71.9  
63 31.0 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: 28.257 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

Instrument :

BNA\_F

ClientSampleId :

061118-DBRI-E-U-M

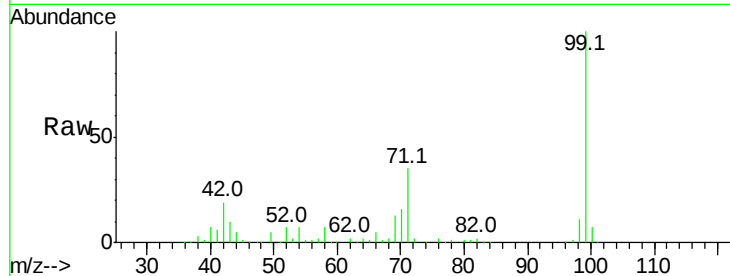
Tot Ion: 99 Resp: 229602

Ion Ratio Lower Upper

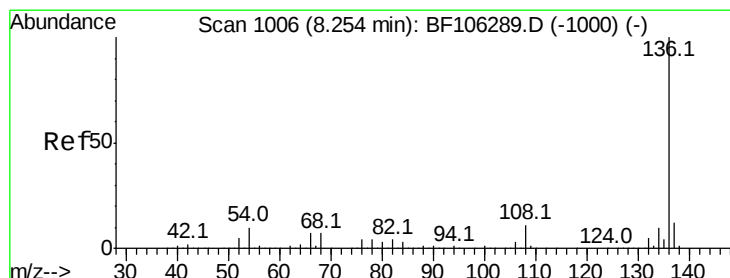
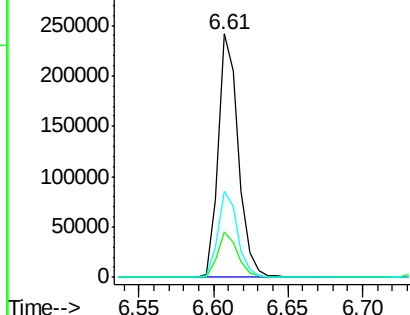
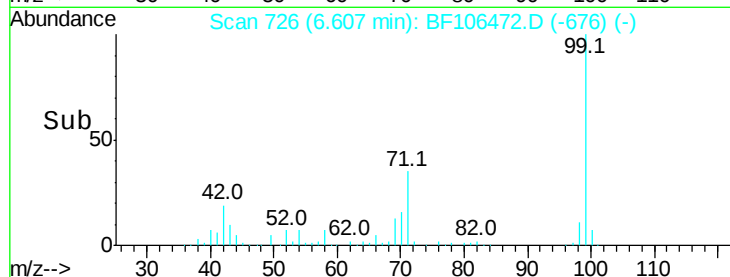
99 100

42 18.5 14.5 21.7

71 35.2 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: 8.25 min Scan# 1005

Delta R.T. -0.01 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

Tgt Ion: 136 Resp: 369209

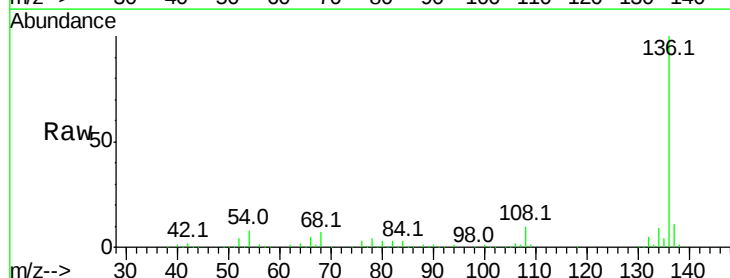
Ion Ratio Lower Upper

136 100

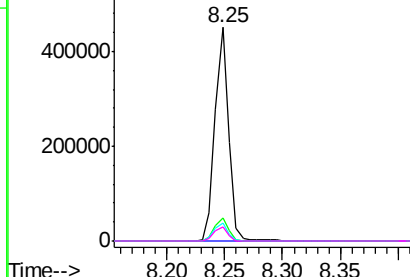
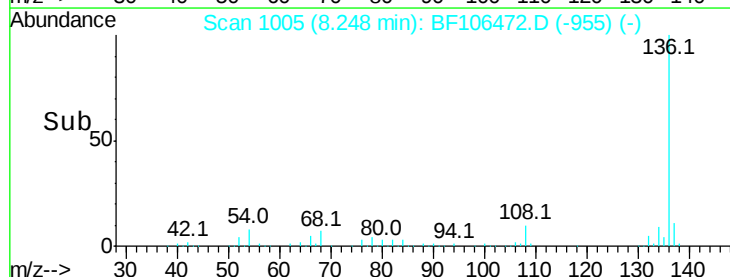
137 10.7 8.9 13.3

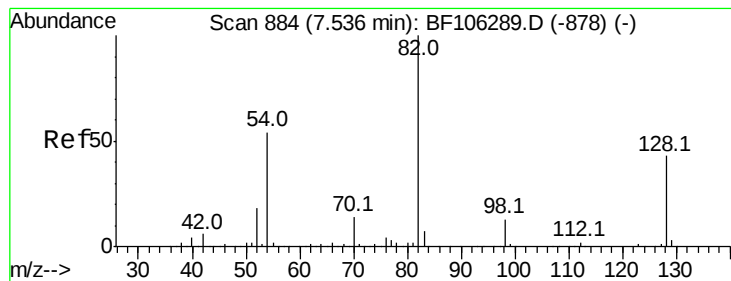
54 8.1 6.6 9.8

68 6.6 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: 101.094 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.01 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

Instrument :

BNA\_F

ClientSampleId :

061118-DBRI-E-U-M

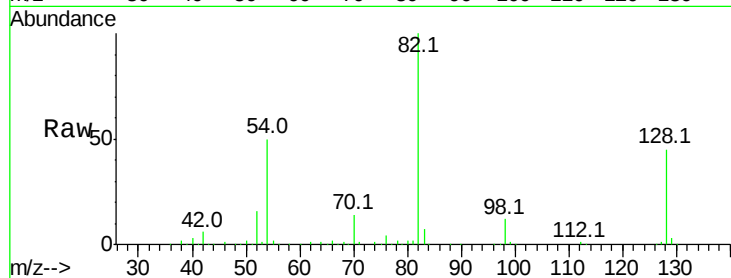
Tot Ion: 82 Resp: 634467

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

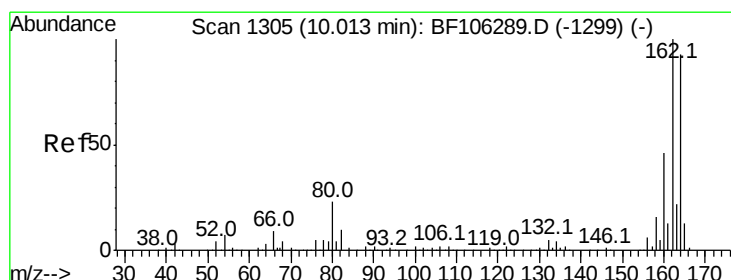
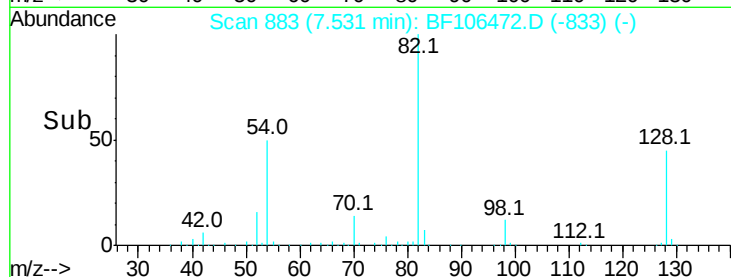
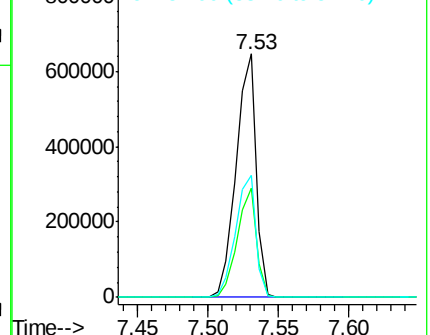
54 50.0 41.4 62.2



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: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

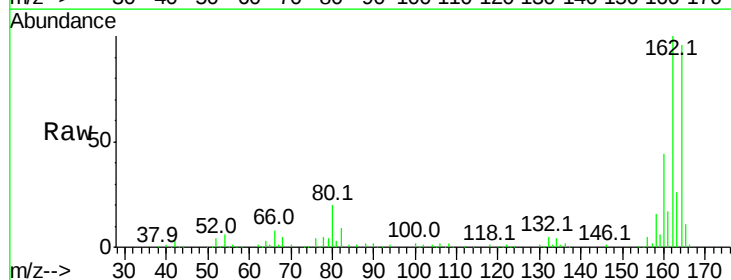
Tgt Ion:164 Resp: 144613

Ion Ratio Lower Upper

164 100

162 103.9 86.1 129.1

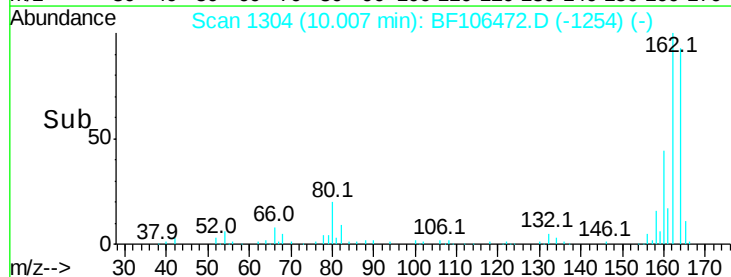
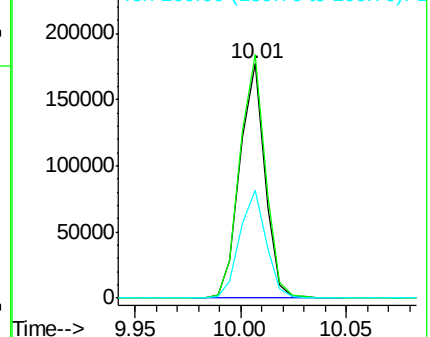
160 46.1 38.3 57.5

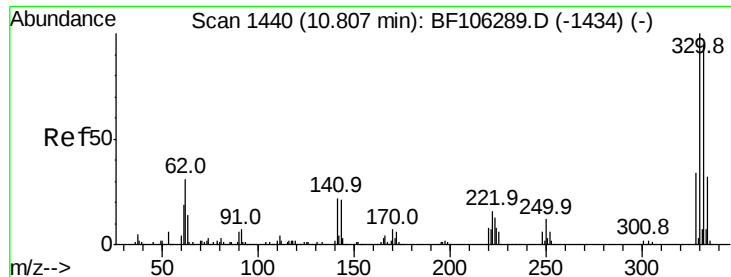


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

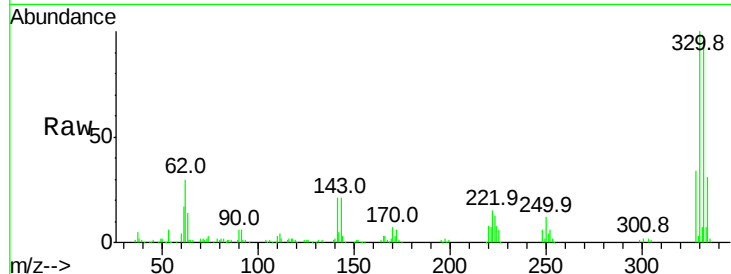




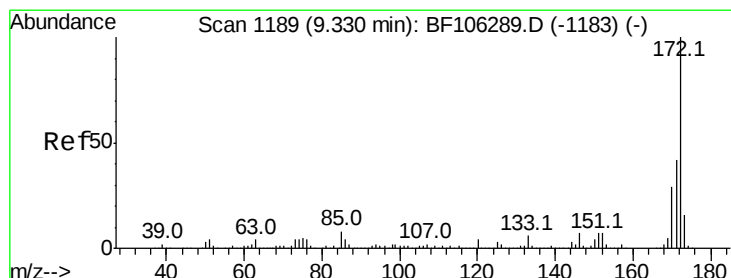
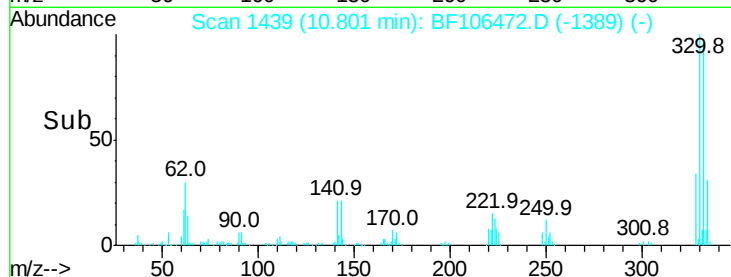
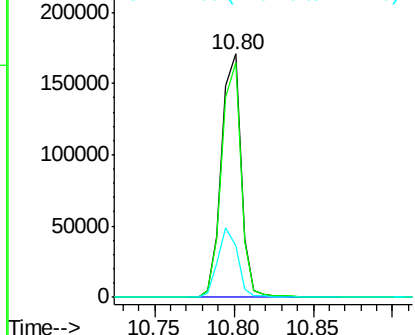
#41  
 2,4,6-Tribromophenol  
 Concen: 106.176 ng  
 RT: 10.80 min Scan# 1439  
 Delta R.T. -0.01 min  
 Lab File: BF106472.D  
 Acq: 15 Jun 2018 5:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 061118-DBRI-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.8  | 77.0  | 115.6 |
| 141     | 28.9  | 29.9  | 44.9# |

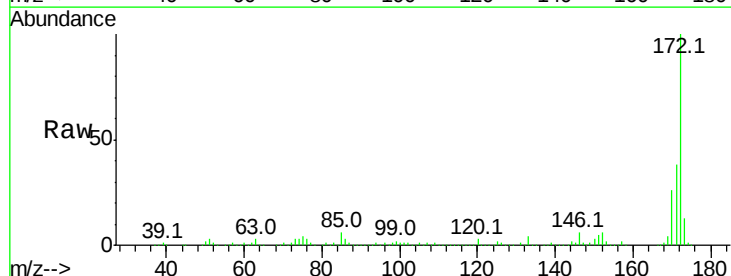


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

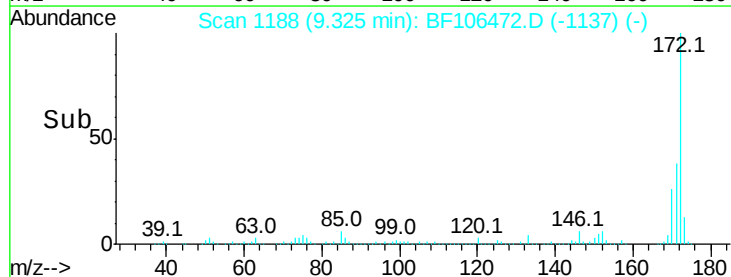
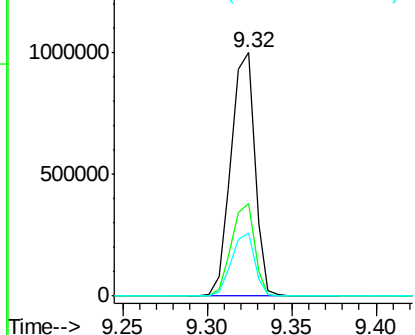


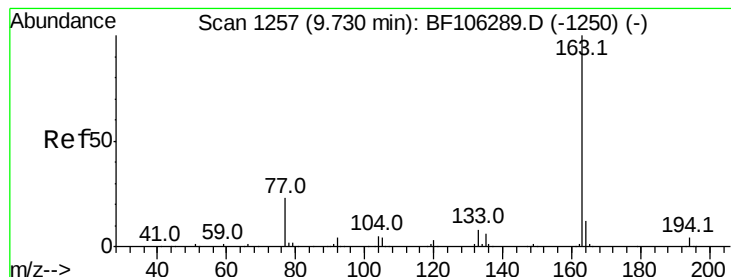
#44  
 2-Fluorobiphenyl  
 Concen: 156.519 ng  
 RT: 9.32 min Scan# 1188  
 Delta R.T. -0.00 min  
 Lab File: BF106472.D  
 Acq: 15 Jun 2018 5:04

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 29.7  | 44.5  |
| 170     | 25.9  | 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: 4.501 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.01 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

Instrument :

BNA\_F

ClientSampleId :

061118-DBRI-E-U-M

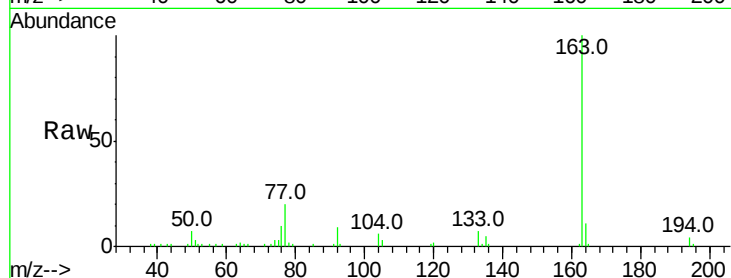
Tot Ion:163 Resp: 46499

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

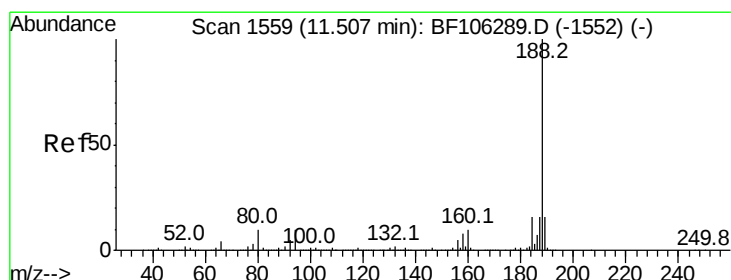
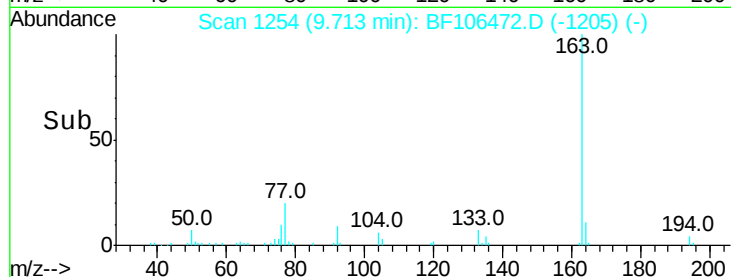
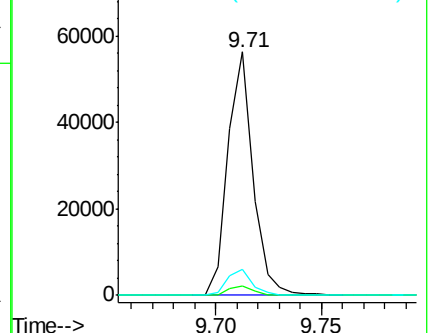
164 10.7 8.2 12.2



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: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

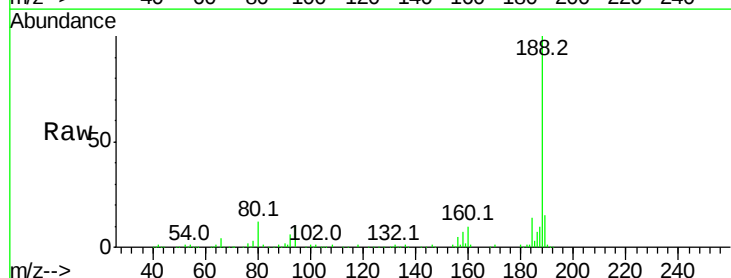
Tgt Ion:188 Resp: 279041

Ion Ratio Lower Upper

188 100

94 10.1 8.5 12.7

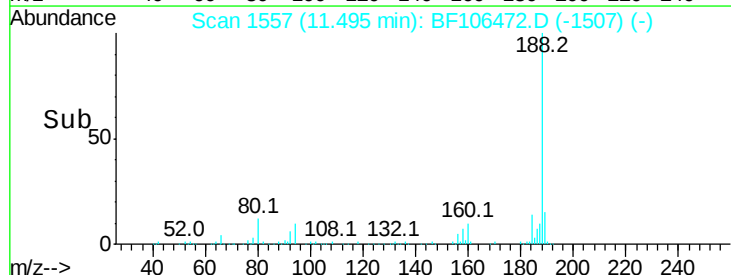
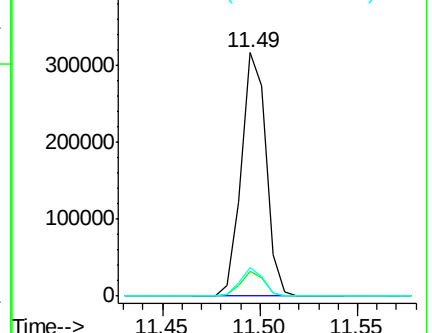
80 11.5 9.2 13.8

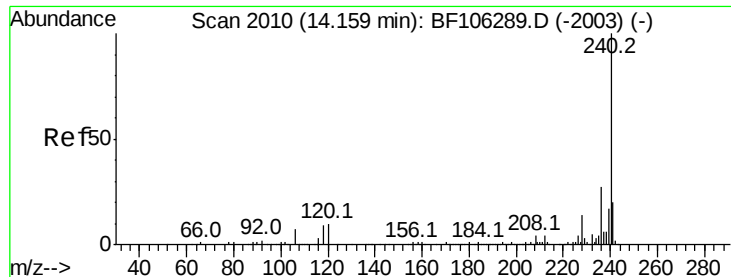


Abundance Ion 188.00 (187.70 to 188.70): E

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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

Instrument :

BNA\_F

ClientSampleId :

061118-DBRI-E-U-M

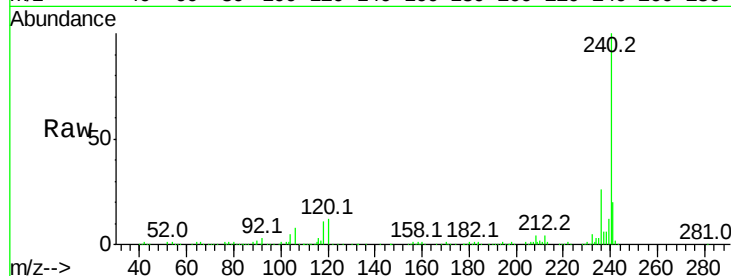
Tot Ion:240 Resp: 286132

Ion Ratio Lower Upper

240 100

120 11.6 9.5 14.3

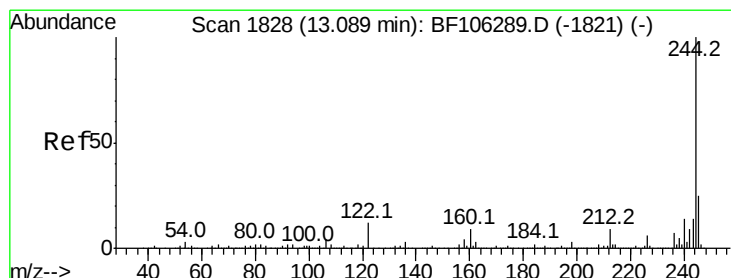
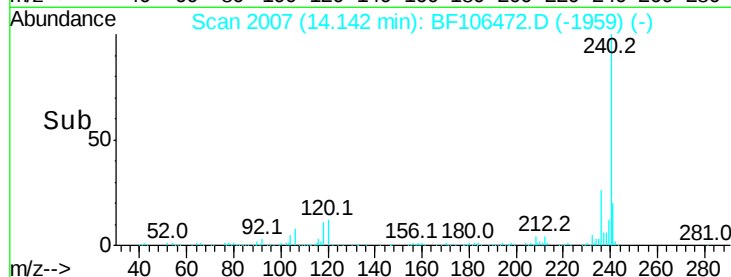
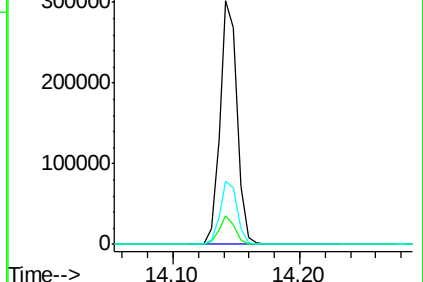
236 26.1 20.7 31.1



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: 96.539 ng

RT: 13.08 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF106472.D

Acq: 15 Jun 2018 5:04

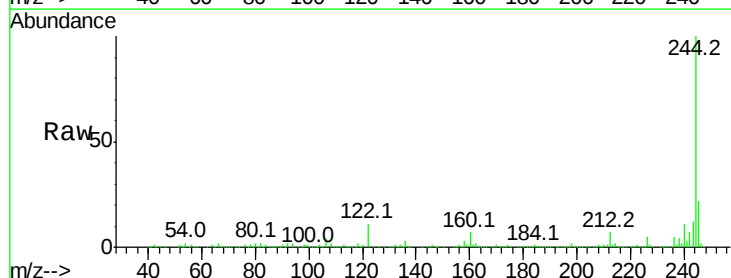
Tgt Ion:244 Resp: 1112129

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

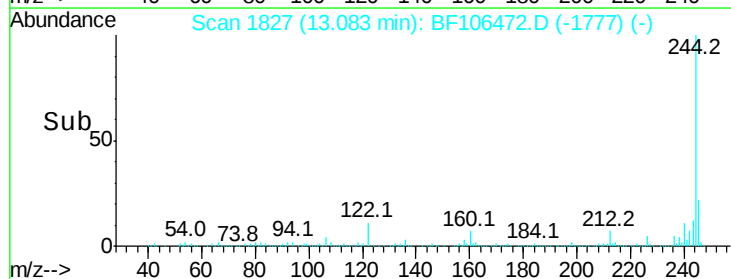
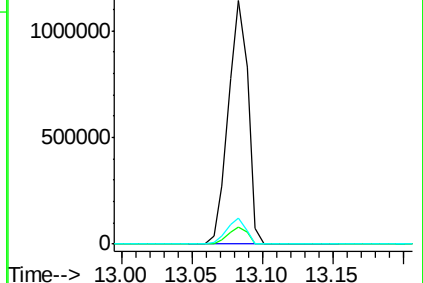
122 10.7 11.0 16.4#

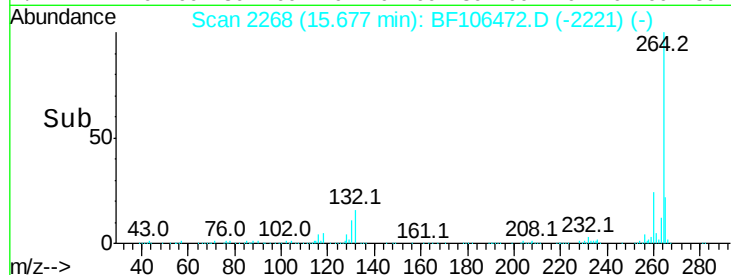
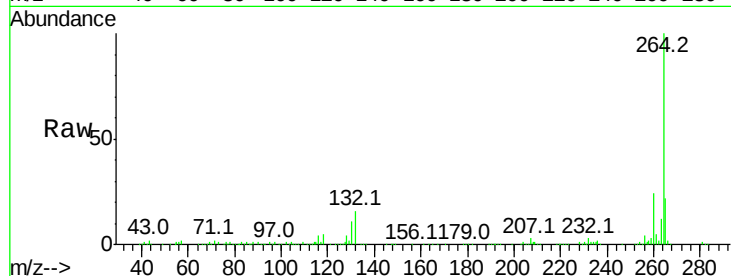
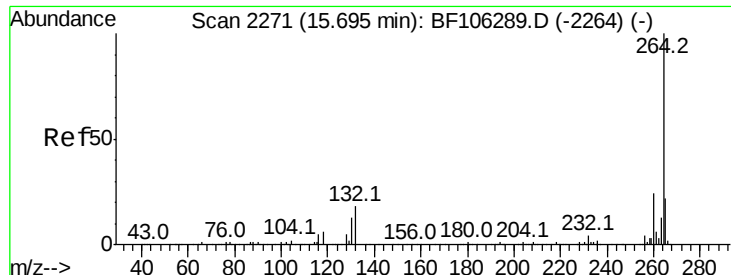


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.68 min Scan# 2268  
 Delta R.T. -0.02 min  
 Lab File: BF106472.D  
 Acq: 15 Jun 2018 5:04

Instrument :  
 BNA\_F  
 ClientSampleId :  
 061118-DBRI-E-U-M

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 264   | Resp: | 198218 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.6  | 19.2  | 28.8   |
| 265      | 21.6  | 17.5  | 26.3   |

