

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\  
 Data File : BF105356.D  
 Acq On : 12 May 2018 23:26  
 Operator : JU/SJ  
 Sample : J2834-19  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 050918-JETW-E-U-M

Quant Time: May 14 08:52:53 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF051018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 11 17:15:19 2018  
 Response via : Initial Calibration

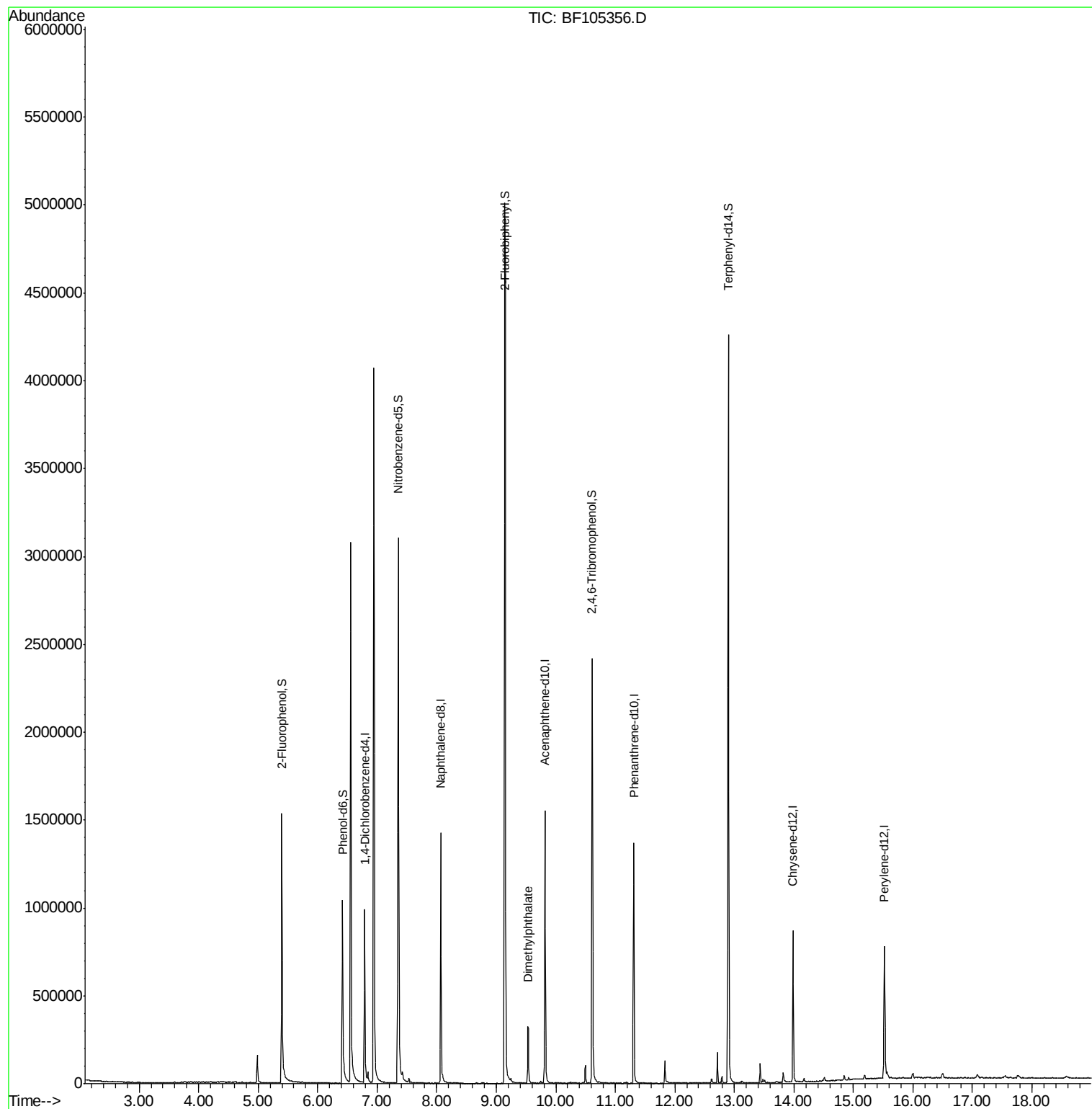
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.79  | 152  | 157810   | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.07  | 136  | 675364   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 9.82  | 164  | 292832   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 11.31 | 188  | 517301   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 13.99 | 240  | 310795   | 20.00  | ng    | -0.03     |
| 86) Perylene-d12            | 15.52 | 264  | 364909   | 20.00  | ng    | -0.05     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.40  | 112  | 508980   | 48.51  | ng    | 0.00      |
| 7) Phenol-d6                | 6.42  | 99   | 383663   | 30.77  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 1241153  | 106.96 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 381519   | 100.84 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 1916106  | 94.31  | ng    | 0.00      |
| 78) Terphenyl-d14           | 12.90 | 244  | 1686527  | 116.65 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 49) Dimethylphthalate       | 9.54  | 163  | 144768   | 6.440  | ng    | Qvalue 99 |

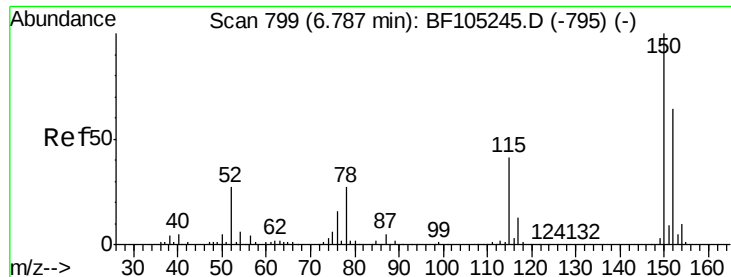
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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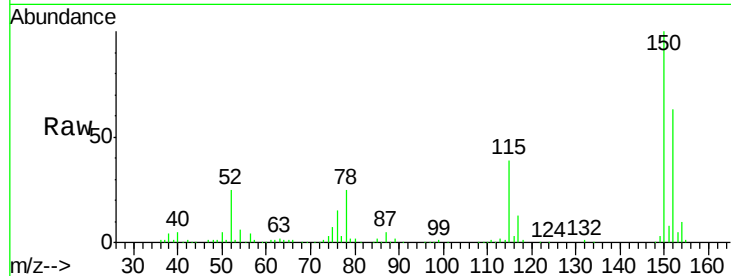


#1

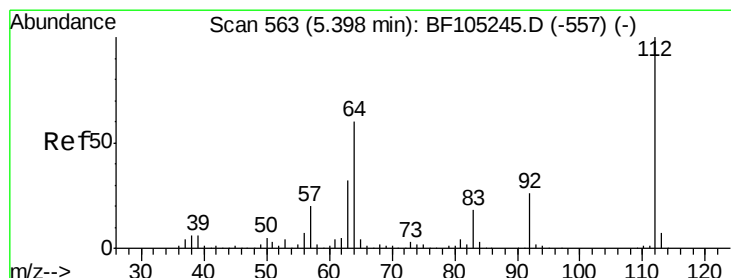
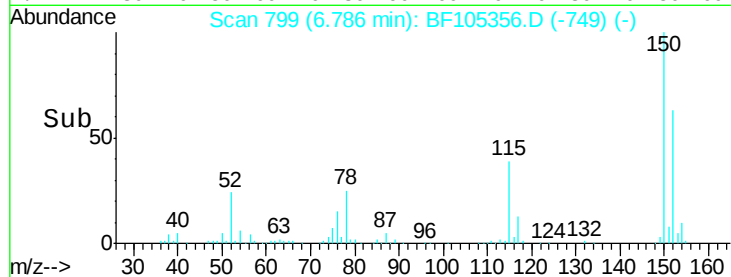
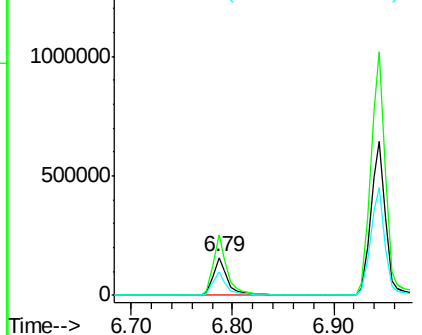
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 6.79 min Scan# 799  
 Delta R.T. -0.01 min  
 Lab File: BF105356.D  
 Acq: 12 May 2018 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 050918-JETW-E-U-M

Tot Ion:152 Resp: 157810  
 Ion Ratio Lower Upper  
 152 100  
 150 158.9 124.6 186.8  
 115 62.6 50.1 75.1



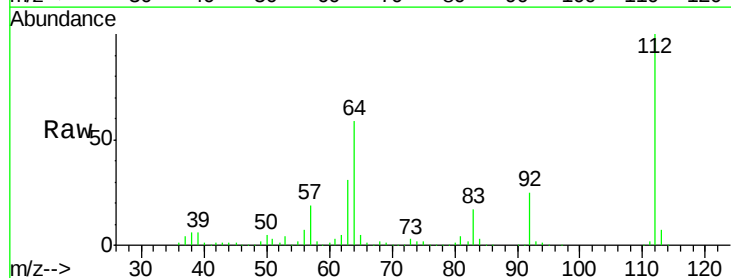
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



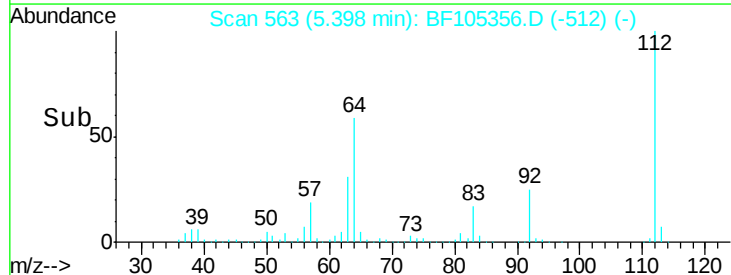
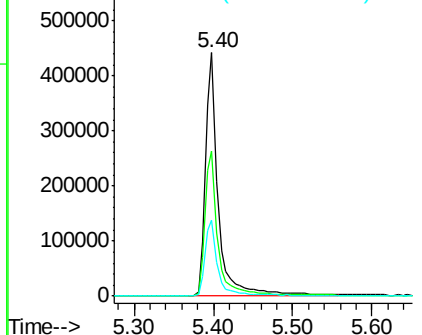
#5

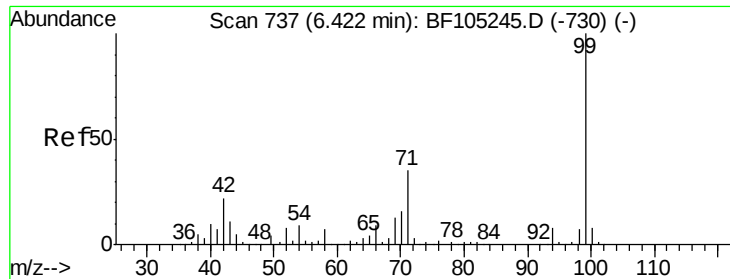
2-Fluorophenol  
 Concen: 48.509 ng  
 RT: 5.40 min Scan# 563  
 Delta R.T. -0.00 min  
 Lab File: BF105356.D  
 Acq: 12 May 2018 23:26

Tgt Ion:112 Resp: 508980  
 Ion Ratio Lower Upper  
 112 100  
 64 59.5 47.9 71.9  
 63 31.2 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: 30.772 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF105356.D

Acq: 12 May 2018 23:26

Instrument :

BNA\_F

ClientSampleId :

050918-JETW-E-U-M

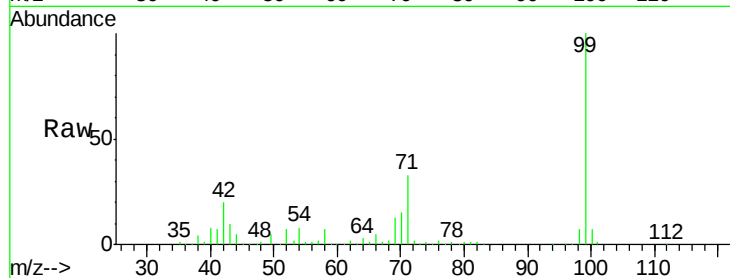
Tot Ion: 99 Resp: 383663

Ion Ratio Lower Upper

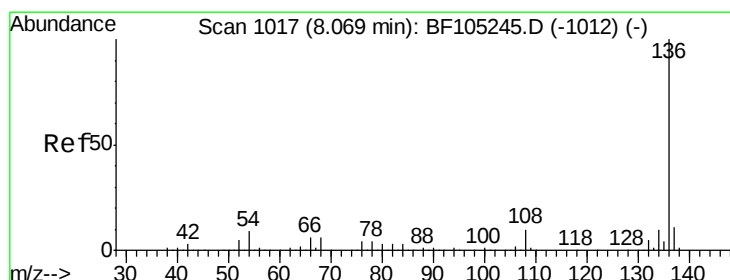
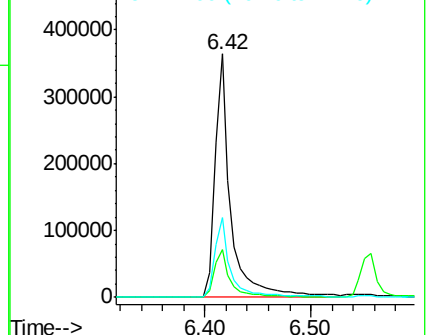
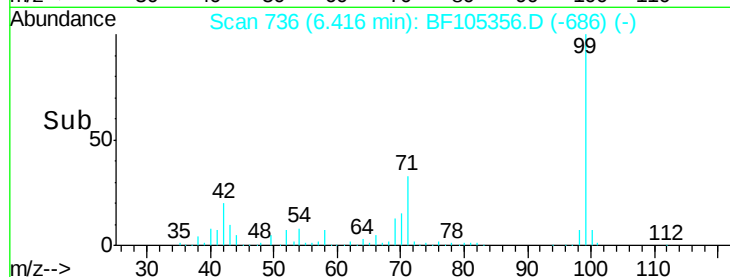
99 100

42 19.7 14.5 21.7

71 32.9 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: 8.07 min Scan# 1017

Delta R.T. -0.01 min

Lab File: BF105356.D

Acq: 12 May 2018 23:26

Tgt Ion: 136 Resp: 675364

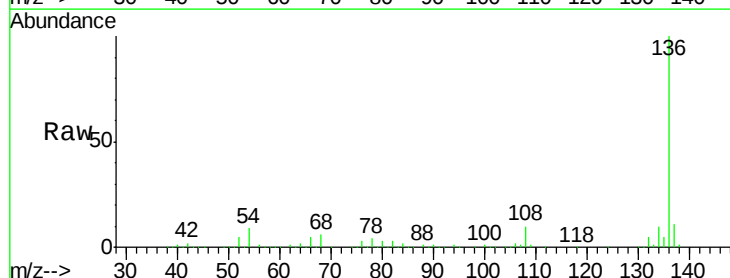
Ion Ratio Lower Upper

136 100

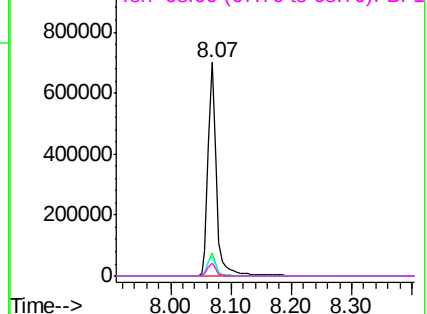
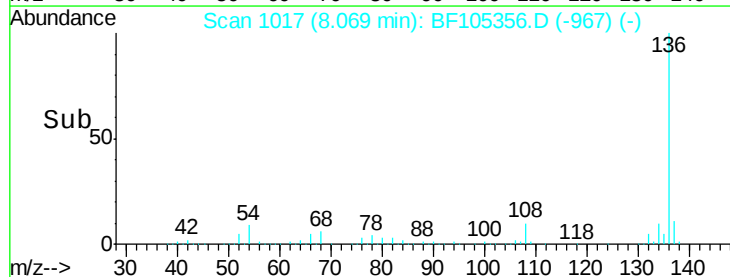
137 10.8 8.9 13.3

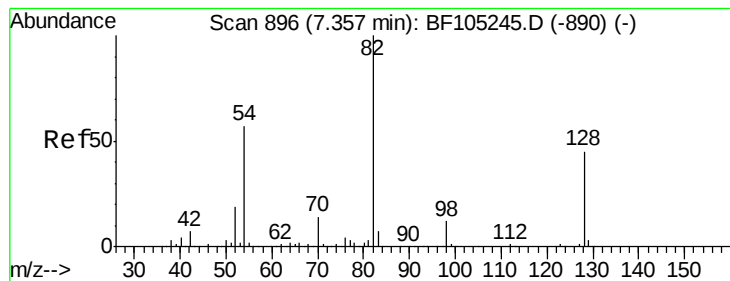
54 9.2 6.6 9.8

68 6.3 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: 106.961 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.00 min

Lab File: BF105356.D

Acq: 12 May 2018 23:26

Instrument :

BNA\_F

ClientSampleId :

050918-JETW-E-U-M

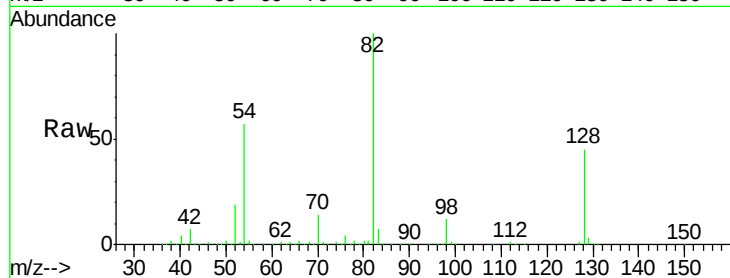
Tot Ion: 82 Resp: 1241153

Ion Ratio Lower Upper

82 100

128 44.8 36.1 54.1

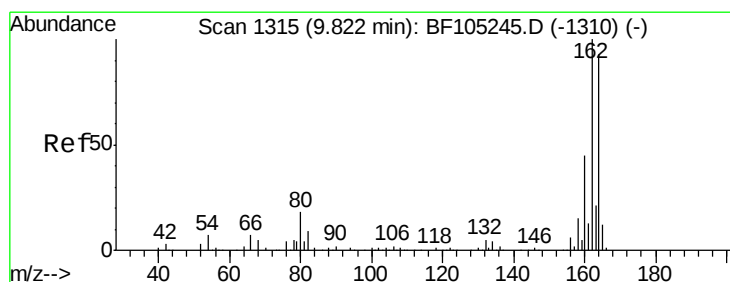
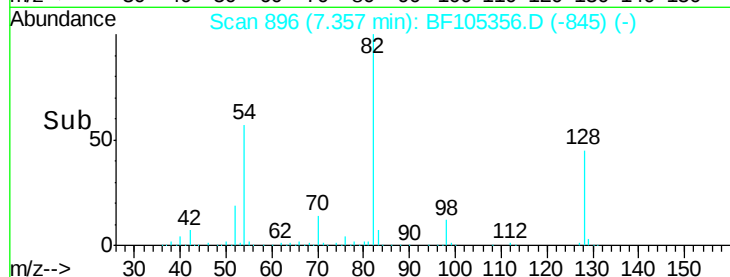
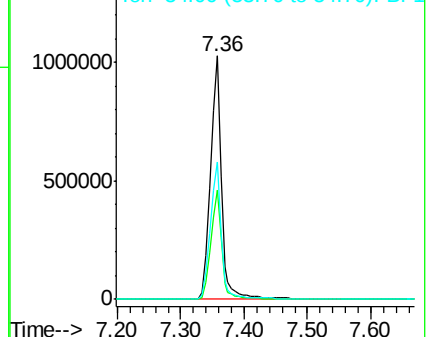
54 56.7 41.4 62.2



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: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF105356.D

Acq: 12 May 2018 23:26

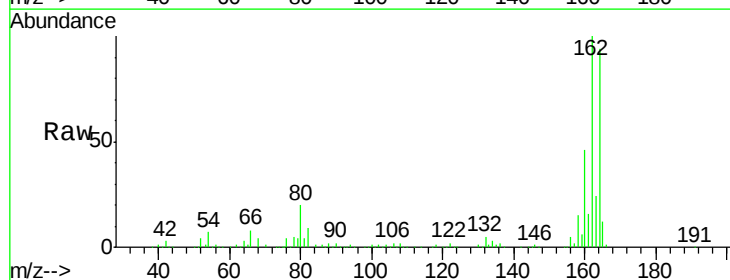
Tgt Ion:164 Resp: 292832

Ion Ratio Lower Upper

164 100

162 106.4 86.1 129.1

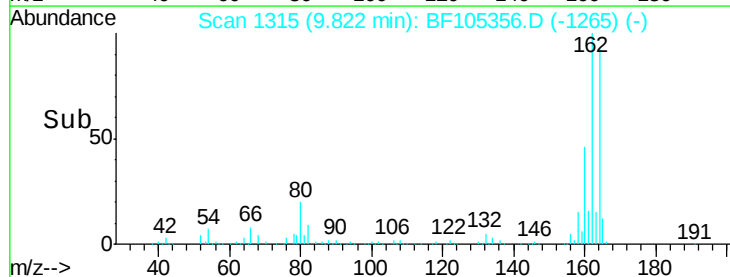
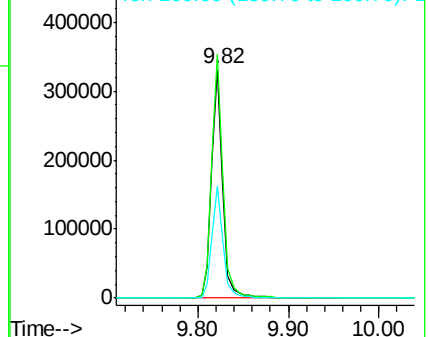
160 48.8 38.3 57.5

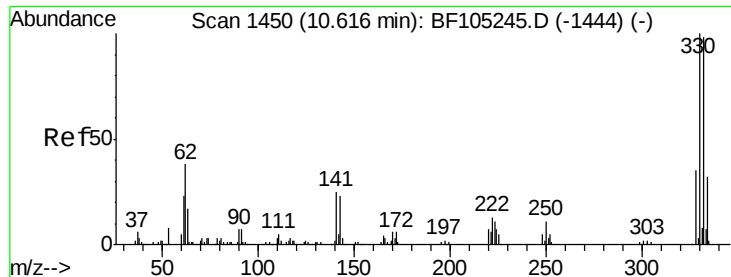


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

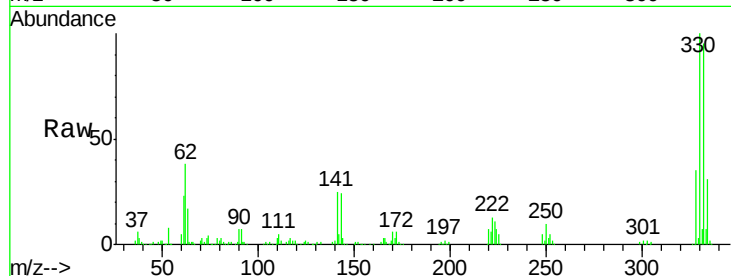




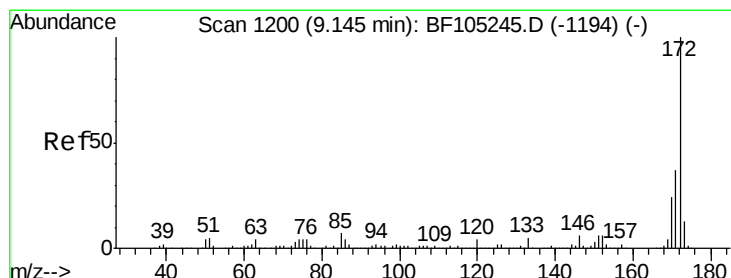
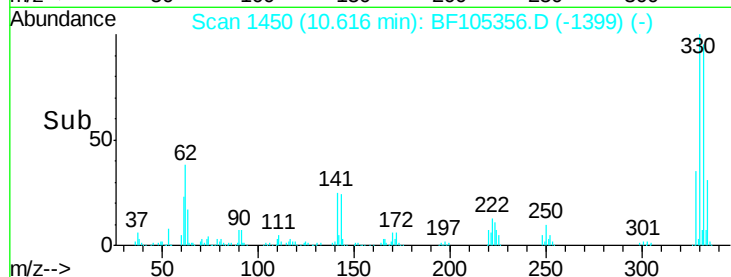
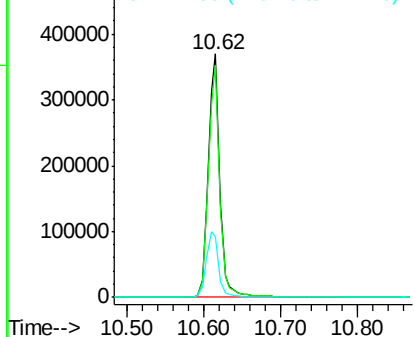
#41  
 2,4,6-Tribromophenol  
 Concen: 100.843 ng  
 RT: 10.62 min Scan# 1450  
 Delta R.T. -0.00 min  
 Lab File: BF105356.D  
 Acq: 12 May 2018 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 050918-JETW-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 94.8  | 77.0  | 115.6 |
| 141     | 29.2  | 29.9  | 44.9# |

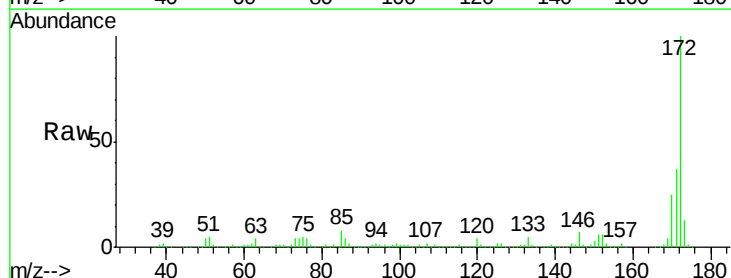


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

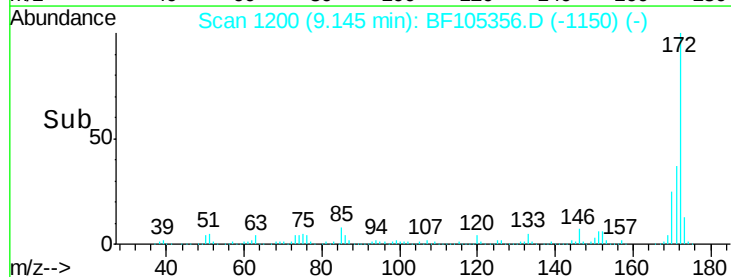
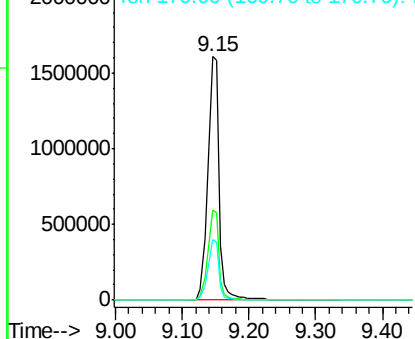


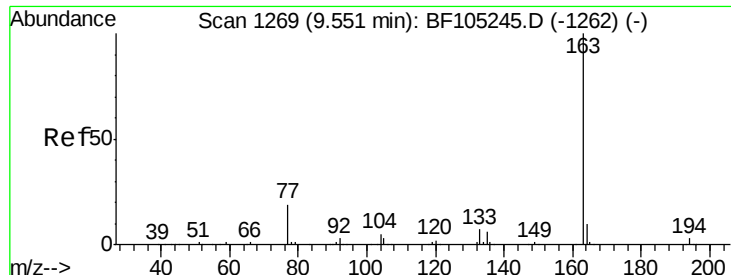
#44  
 2-Fluorobiphenyl  
 Concen: 94.309 ng  
 RT: 9.15 min Scan# 1200  
 Delta R.T. -0.01 min  
 Lab File: BF105356.D  
 Acq: 12 May 2018 23:26

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.2  | 29.7  | 44.5  |
| 170     | 24.7  | 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

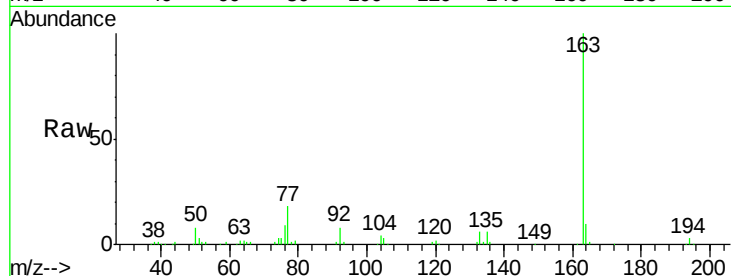




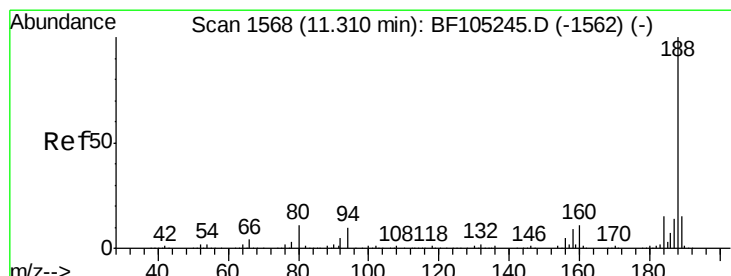
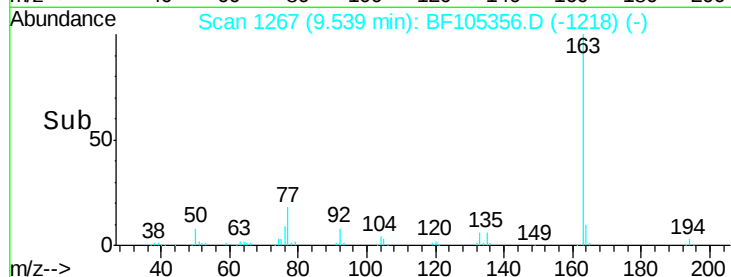
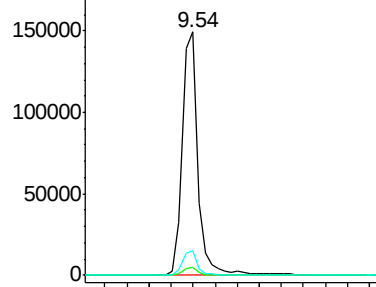
#49  
Dimethylphthalate  
Concen: 6.440 ng  
RT: 9.54 min Scan# 1267  
Delta R.T. -0.01 min  
Lab File: BF105356.D  
Acq: 12 May 2018 23:26

Instrument :  
BNA\_F  
ClientSampleId :  
050918-JETW-E-U-M

Tot Ion:163 Resp: 144768  
Ion Ratio Lower Upper  
163 100  
194 3.2 2.7 4.1  
164 10.4 8.2 12.2

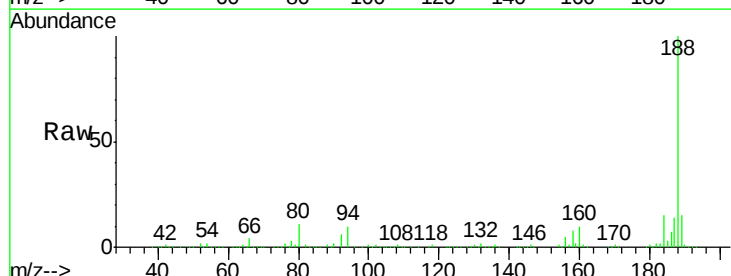


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

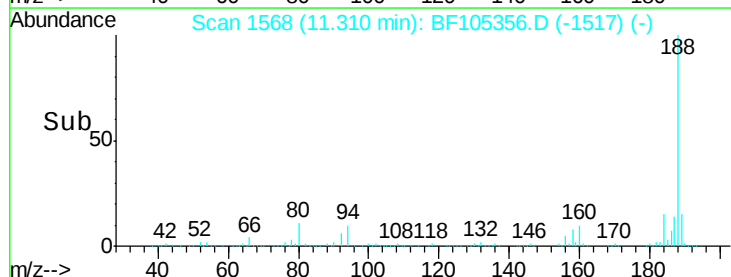
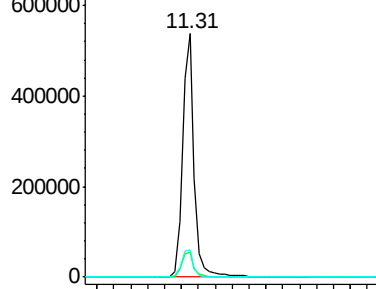


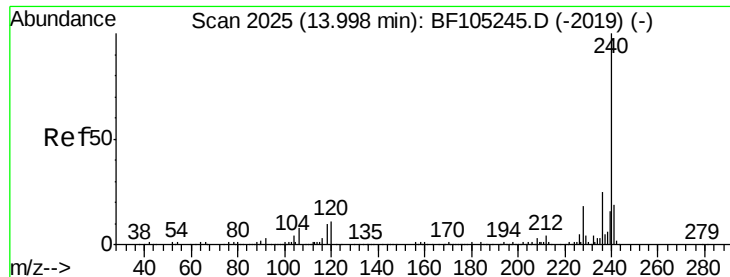
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 11.31 min Scan# 1568  
Delta R.T. -0.00 min  
Lab File: BF105356.D  
Acq: 12 May 2018 23:26

Tgt Ion:188 Resp: 517301  
Ion Ratio Lower Upper  
188 100  
94 10.1 8.5 12.7  
80 11.0 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: 13.99 min Scan# 2023

Delta R.T. -0.03 min

Lab File: BF105356.D

Acq: 12 May 2018 23:26

Instrument :

BNA\_F

ClientSampleId :

050918-JETW-E-U-M

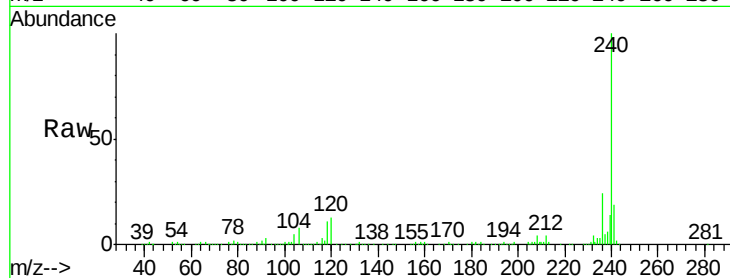
Tot Ion:240 Resp: 310795

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

236 24.0 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

13.99

400000

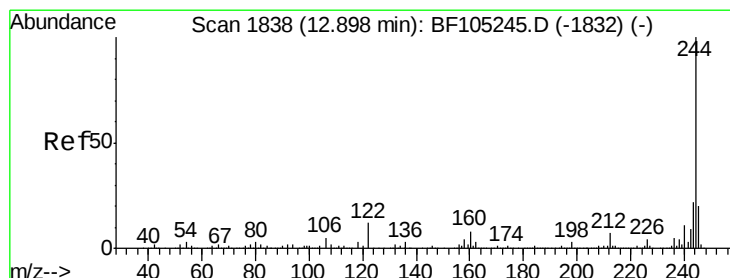
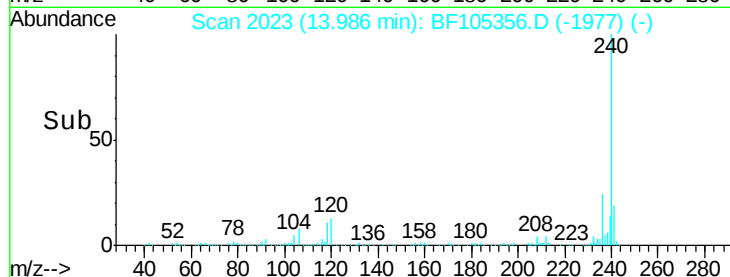
300000

200000

100000

0

Time--> 13.90 14.00 14.10



#78

Terphenyl-d14

Concen: 116.652 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.00 min

Lab File: BF105356.D

Acq: 12 May 2018 23:26

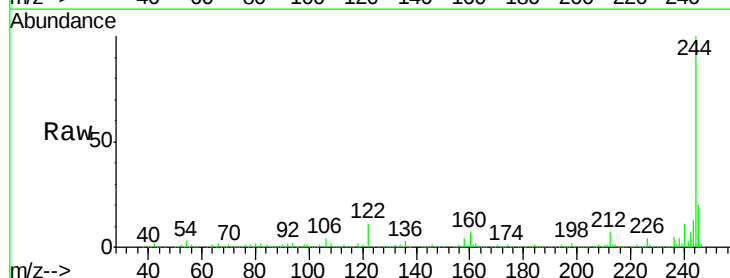
Tgt Ion:244 Resp: 1686527

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 11.2 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

12.90

2000000

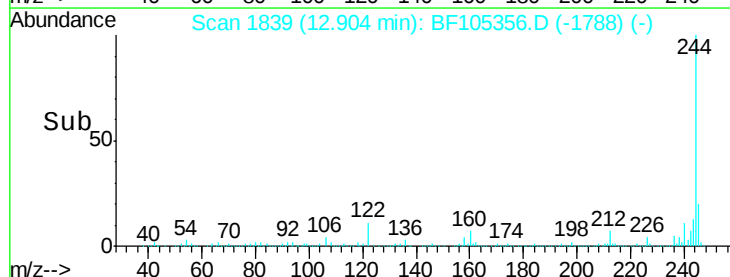
1500000

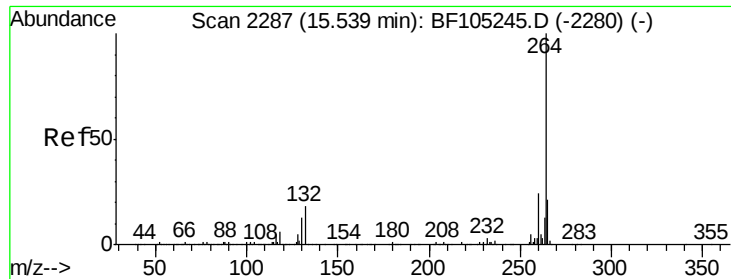
1000000

500000

0

Time--> 12.80 12.90 13.00 13.10





#86  
 Pervlene-d12  
 Concen: 20.000 ng  
 RT: 15.52 min Scan# 2284  
 Delta R.T. -0.05 min  
 Lab File: BF105356.D  
 Acq: 12 May 2018 23:26

Instrument :  
 BNA\_F  
 ClientSampleId :  
 050918-JETW-E-U-M

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 19.2  | 28.8  |
| 265     | 22.0  | 17.5  | 26.3  |

