

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF030218\  
 Data File : BF103359.D  
 Acq On : 2 Mar 2018 11:58  
 Operator : SJ/JU  
 Sample : PB106993BL  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106993BL

Quant Time: Mar 02 13:30:31 2018  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 02 13:28:09 2018  
 Response via : Initial Calibration

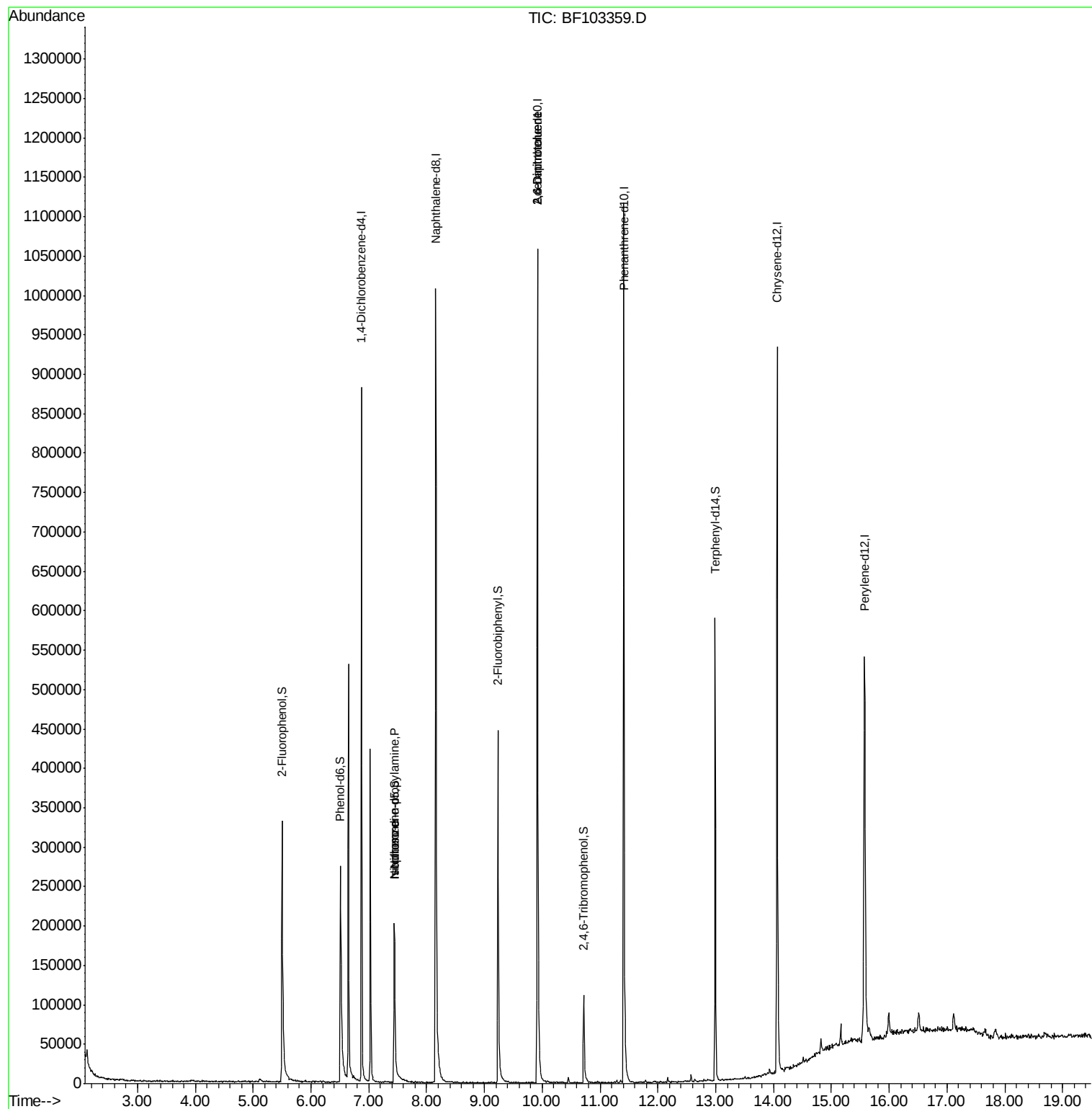
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min)    |
|--------------------------------|-------|------|----------|-----------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4      | 6.87  | 152  | 127518   | 20.00     | ng    | 0.00        |
| 21) Naphthalene-d8             | 8.16  | 136  | 552769   | 20.00     | ng    | 0.00        |
| 38) Acenaphthene-d10           | 9.92  | 164  | 254402   | 20.00     | ng    | 0.00        |
| 63) Phenanthrene-d10           | 11.41 | 188  | 456675   | 20.00     | ng    | 0.00        |
| 75) Chrysene-d12               | 14.06 | 240  | 348700   | 20.00     | ng    | 0.00        |
| 86) Perylene-d12               | 15.57 | 264  | 283268   | 20.00     | ng    | 0.00        |
| System Monitoring Compounds    |       |      |          |           |       |             |
| 5) 2-Fluorophenol              | 5.50  | 112  | 136745   | 16.22     | ng    | 0.00        |
| 7) Phenol-d6                   | 6.51  | 99   | 158997   | 15.41     | ng    | 0.00        |
| 23) Nitrobenzene-d5            | 7.44  | 82   | 98314    | 10.16     | ng    | -0.01       |
| 41) 2,4,6-Tribromophenol       | 10.72 | 330  | 15841    | 7.36      | ng    | 0.00        |
| 44) 2-Fluorobiphenyl           | 9.23  | 172  | 197097   | 8.90      | ng    | 0.00        |
| 78) Terphenyl-d14              | 12.99 | 244  | 188815   | 13.02     | ng    | 0.00        |
| Target Compounds               |       |      |          |           |       |             |
| 9) Benzaldehyde                | 6.65  | 77   | 3609     | Below Cal |       | Qvalue # 69 |
| 19) n-Nitroso-di-n-propylamine | 7.44  | 70   | 13203    | 2.056 ng  | #     | 84          |
| 25) Isophorone                 | 7.44  | 82   | 98314    | 5.157 ng  | #     | 64          |
| 50) 2,6-Dinitrotoluene         | 9.92  | 165  | 31520    | 7.360 ng  | #     | 26          |
| 56) 2,4-Dinitrotoluene         | 9.92  | 165  | 31520    | 5.819 ng  | #     | 23          |

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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF030218\  
Data File : BF103359.D  
Acq On : 2 Mar 2018 11:58  
Operator : SJ/JU  
Sample : PB106993BL  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
BNA\_F  
ClientSampleId :  
PB106993BL

Quant Time: Mar 02 13:30:31 2018  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Mar 02 13:28:09 2018  
Response via : Initial Calibration



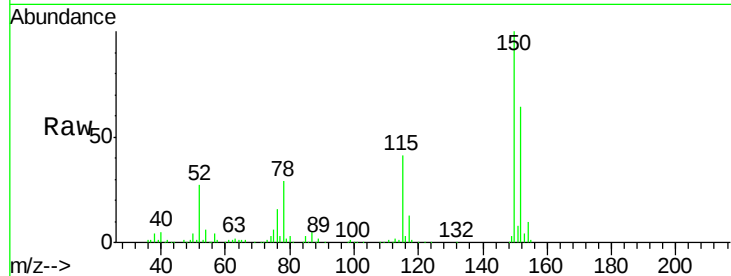


#1

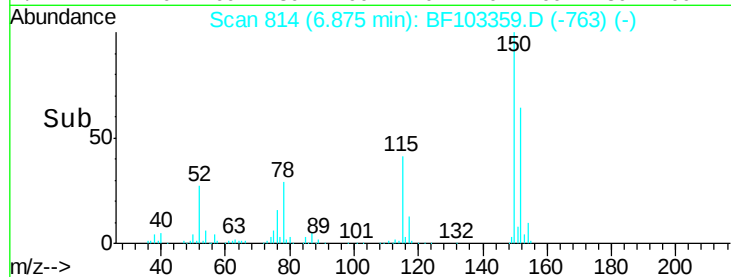
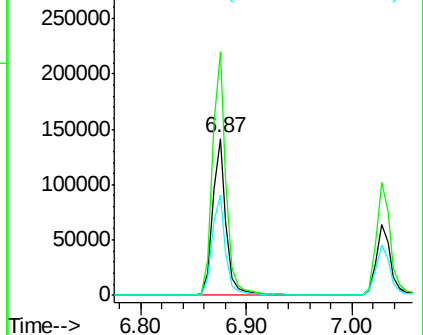
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BF103359.D  
Acq: 2 Mar 2018 11:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB106993BL

Tot Ion:152 Resp: 127518  
Ion Ratio Lower Upper  
152 100  
150 155.1 124.6 186.8  
115 64.2 50.1 75.1



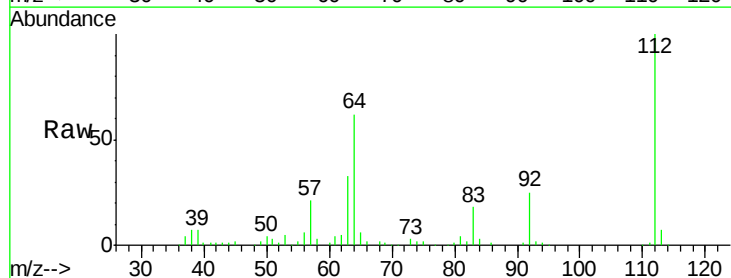
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



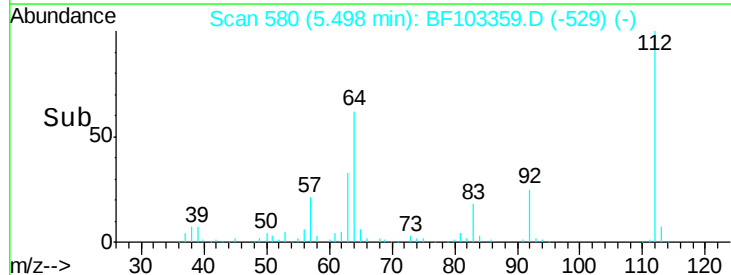
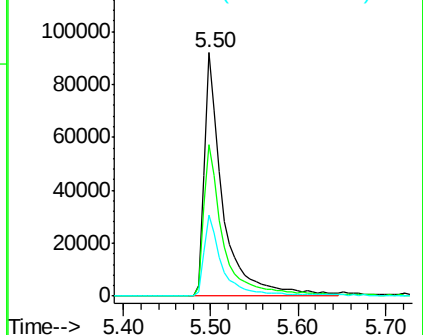
#5

2-Fluorophenol  
Concen: 16.219 ng  
RT: 5.50 min Scan# 580  
Delta R.T. -0.00 min  
Lab File: BF103359.D  
Acq: 2 Mar 2018 11:58

Tgt Ion:112 Resp: 136745  
Ion Ratio Lower Upper  
112 100  
64 62.3 47.9 71.9  
63 33.3 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: 15.411 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

Instrument :

BNA\_F

ClientSampleId :

PB106993BL

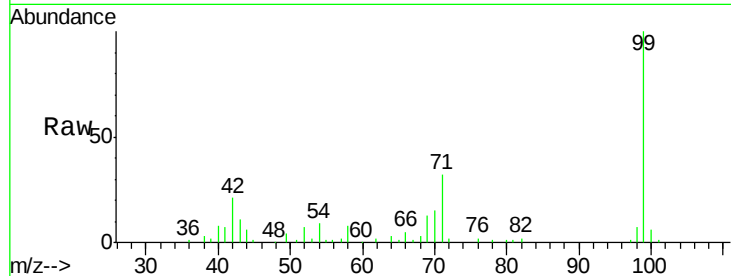
Tot Ion: 99 Resp: 158997

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

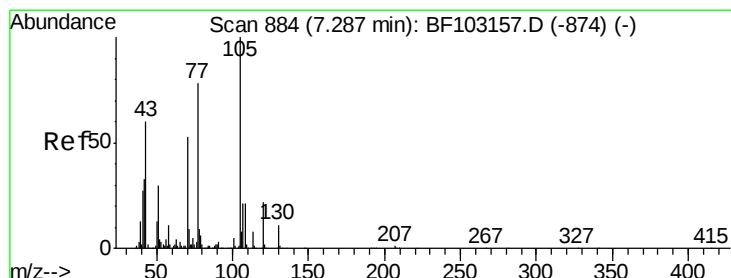
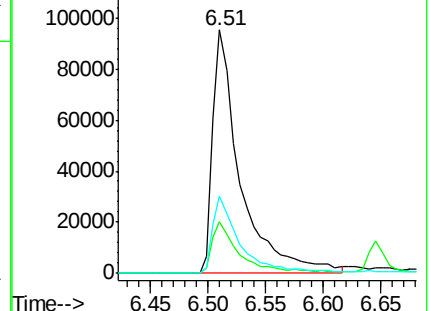
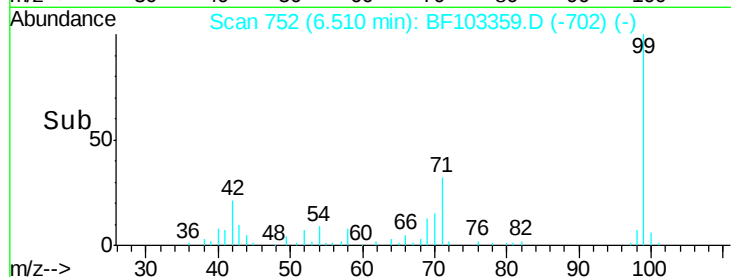
71 31.9 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.056 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

Tgt Ion: 70 Resp: 13203

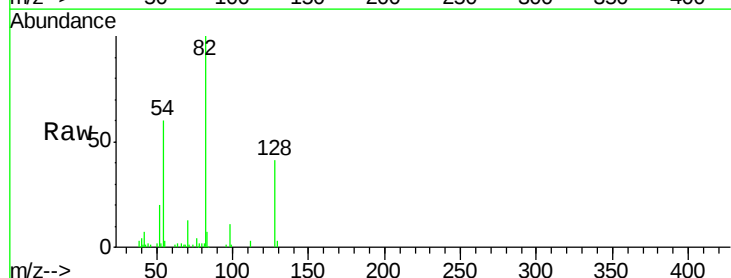
Ion Ratio Lower Upper

70 100

42 56.0 47.5 71.3

101 0.0 7.4 11.2#

130 0.0 16.6 25.0#

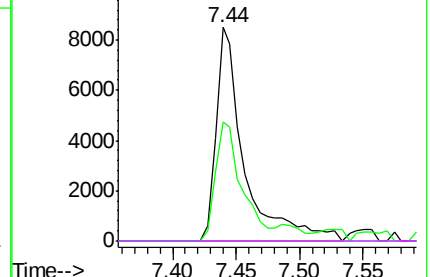
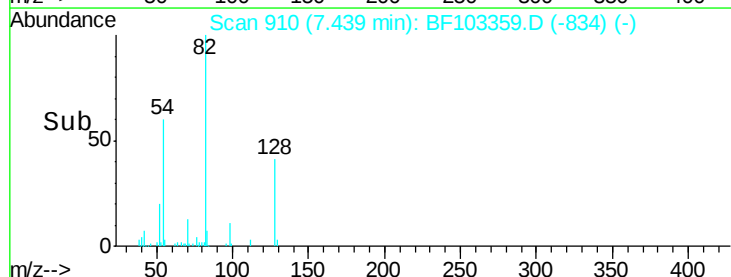


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

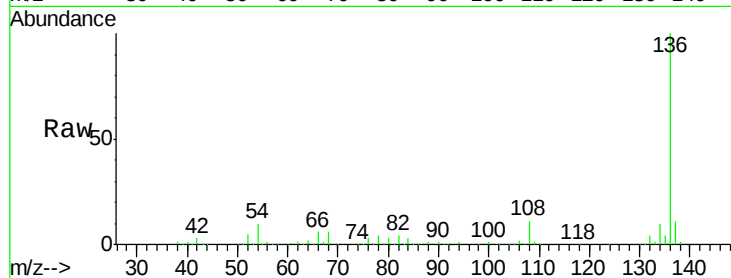




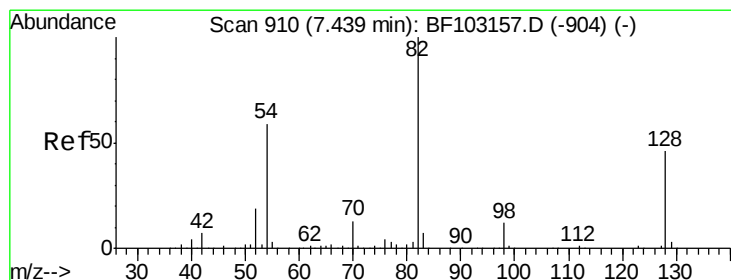
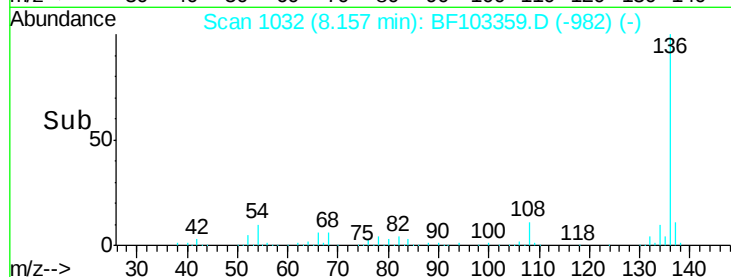
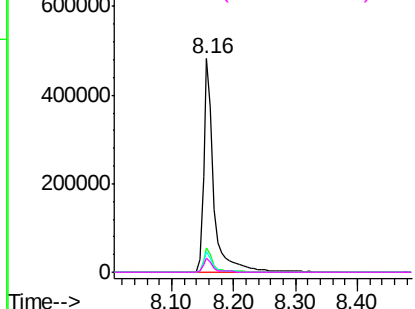
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 8.16 min Scan# 1032  
Delta R.T. -0.01 min  
Lab File: BF103359.D  
Acq: 2 Mar 2018 11:58

Instrument :  
BNA\_F  
ClientSampleId :  
PB106993BL

|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 552769      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.4  | 8.9 13.3    |
| 54          | 9.7   | 6.6 9.8     |
| 68          | 6.3   | 5.0 7.4     |

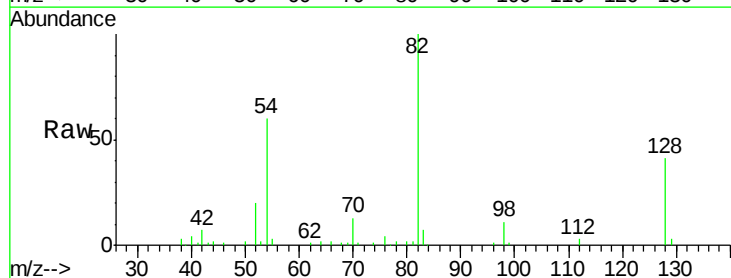


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BF1  
Ion 68.00 (67.70 to 68.70): BF1

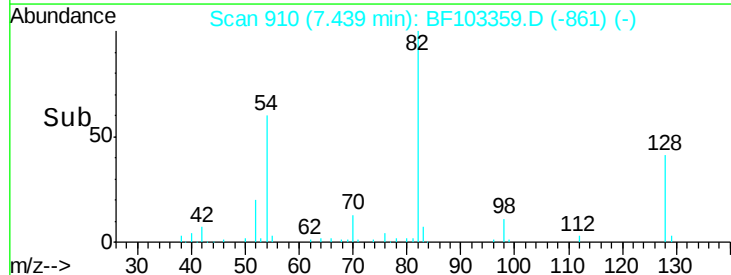
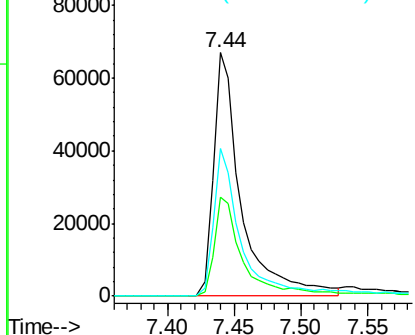


#23  
Nitrobenzene-d5  
Concen: 10.157 ng  
RT: 7.44 min Scan# 910  
Delta R.T. -0.01 min  
Lab File: BF103359.D  
Acq: 2 Mar 2018 11:58

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 98314       |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 40.7  | 36.1 54.1   |
| 54          | 60.4  | 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





#25

Isophorone

Concen: 5.157 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.26 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

Instrument :

BNA\_F

ClientSampleId :

PB106993BL

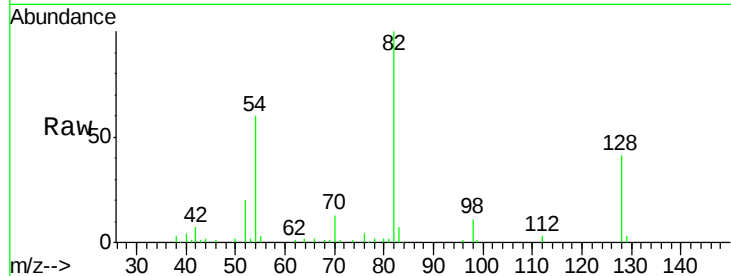
Tot Ion: 82 Resp: 98314

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

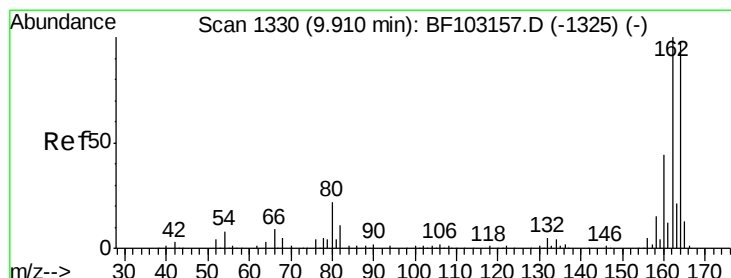
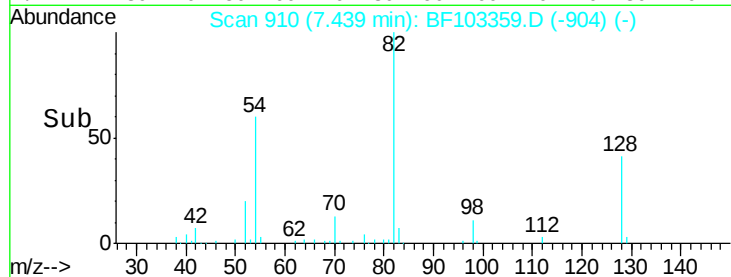
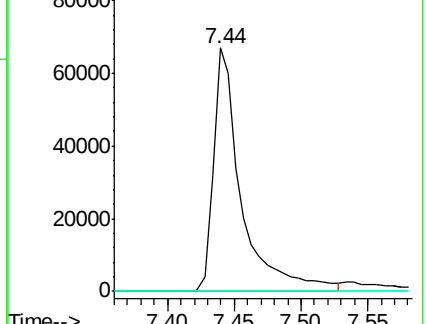
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

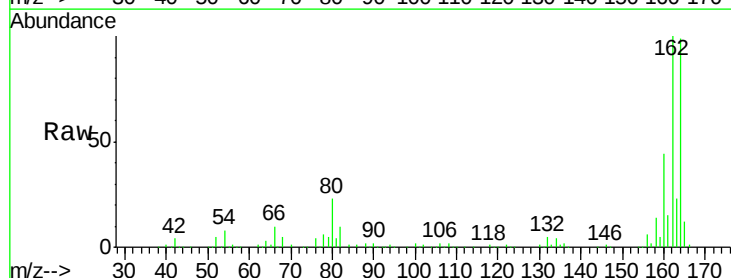
Tgt Ion:164 Resp: 254402

Ion Ratio Lower Upper

164 100

162 101.2 86.1 129.1

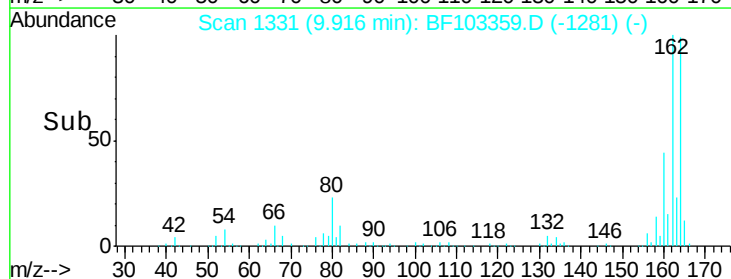
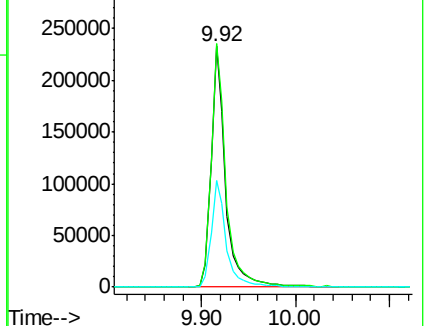
160 44.3 38.3 57.5

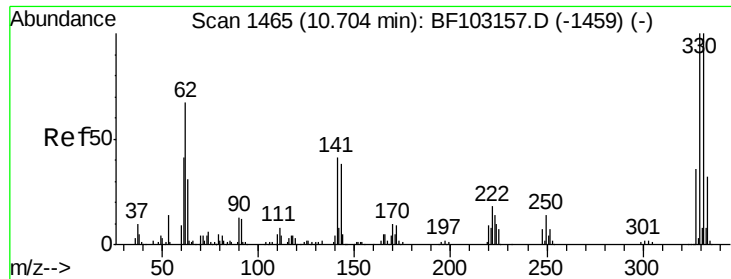


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

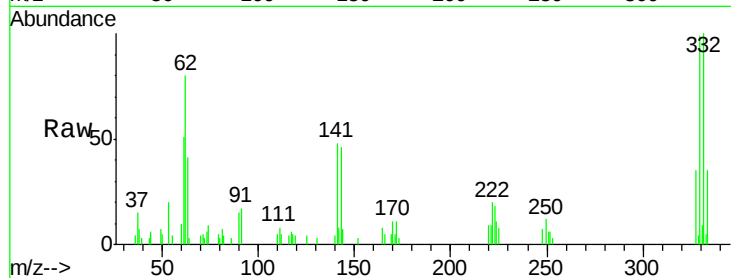




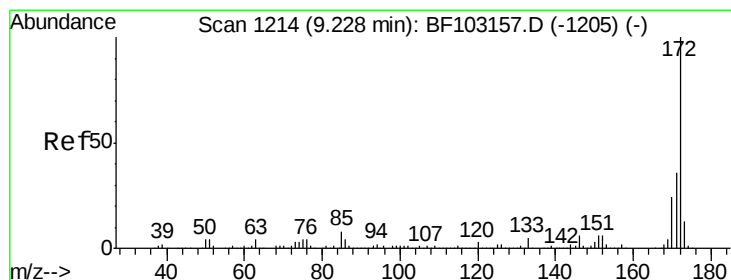
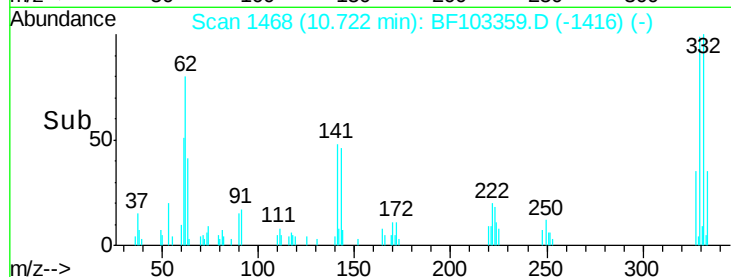
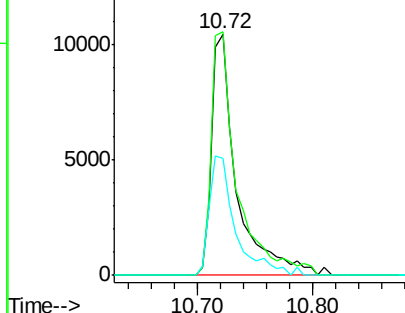
#41  
 2,4,6-Tribromophenol  
 Concen: 7.356 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. 0.01 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106993BL

Tot Ion:330 Resp: 15841  
 Ion Ratio Lower Upper  
 330 100  
 332 102.7 77.0 115.6  
 141 51.1 29.9 44.9#

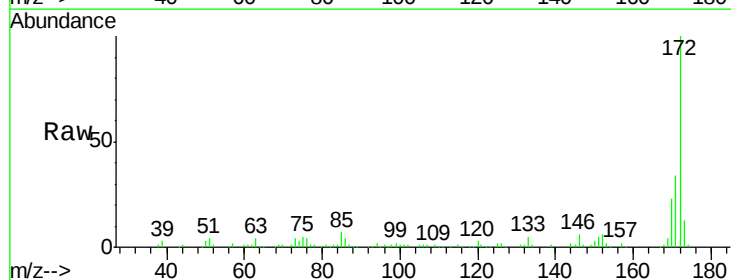


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

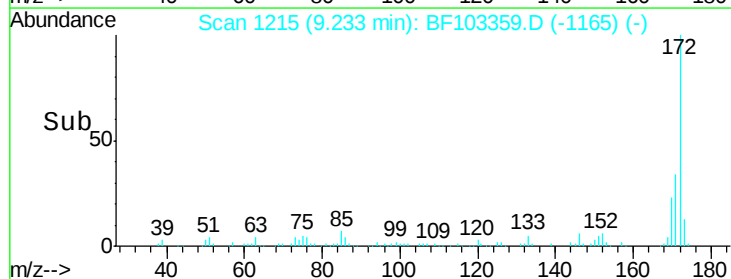
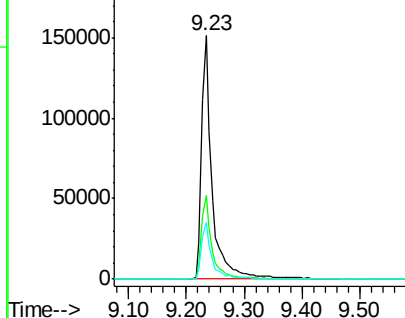


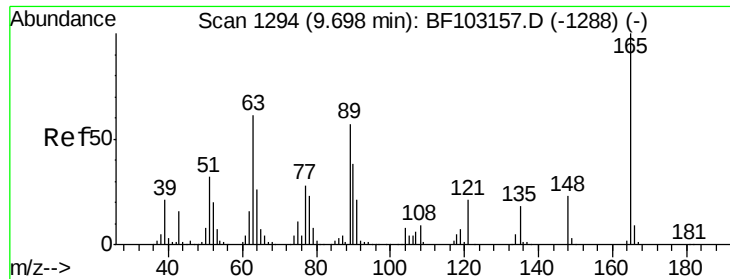
#44  
 2-Fluorobiphenyl  
 Concen: 8.902 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

Tgt Ion:172 Resp: 197097  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 29.7 44.5  
 170 23.2 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

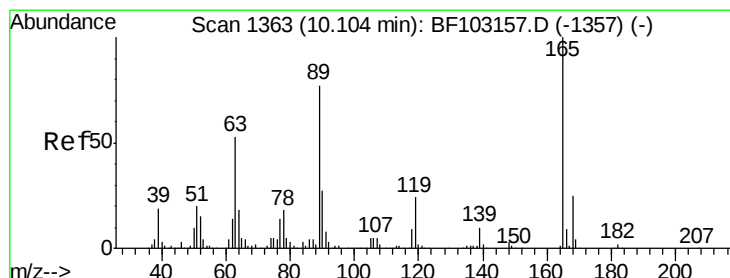
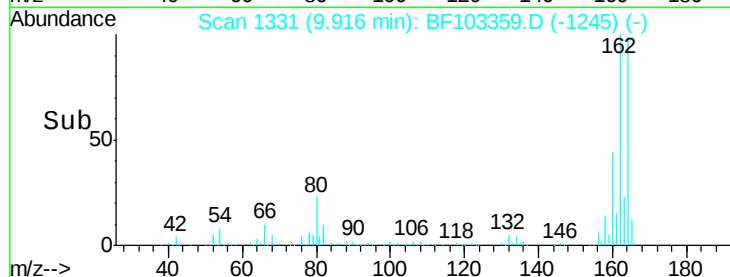
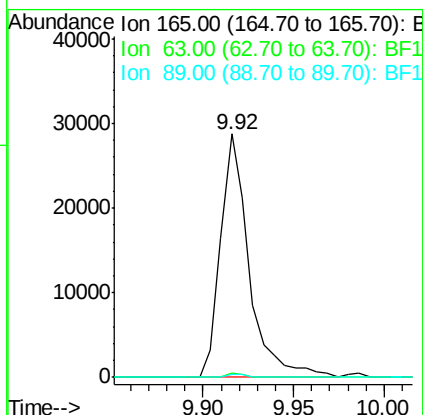
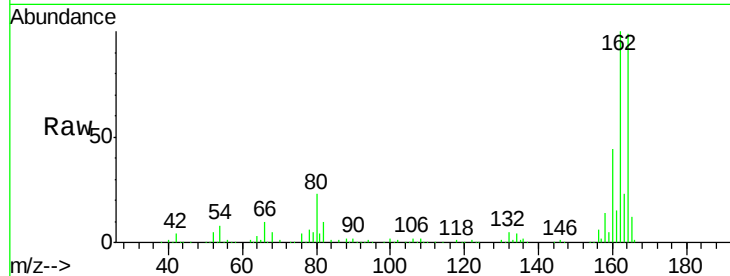




#50  
 2,6-Dinitrotoluene  
 Concen: 7.360 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. 0.21 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

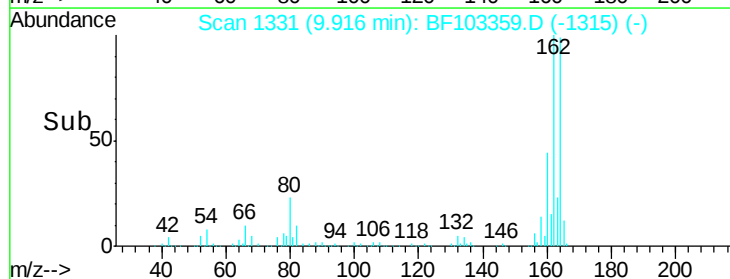
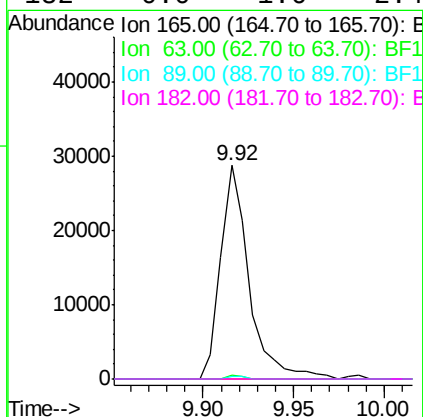
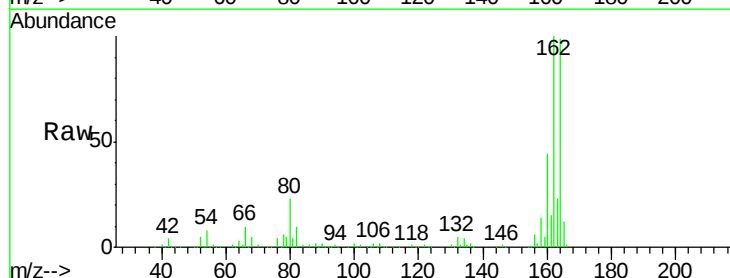
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106993BL

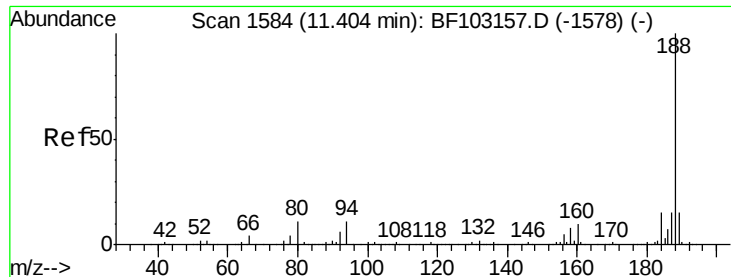
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 44.7  | 67.1# |
| 89      | 1.5   | 44.0  | 66.0# |



#56  
 2,4-Dinitrotoluene  
 Concen: 5.819 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.21 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.6   | 36.4  | 54.6# |
| 89      | 1.5   | 57.8  | 86.6# |
| 182     | 0.0   | 1.6   | 2.4#  |





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

Instrument :

BNA\_F

ClientSampled :

PB106993BL

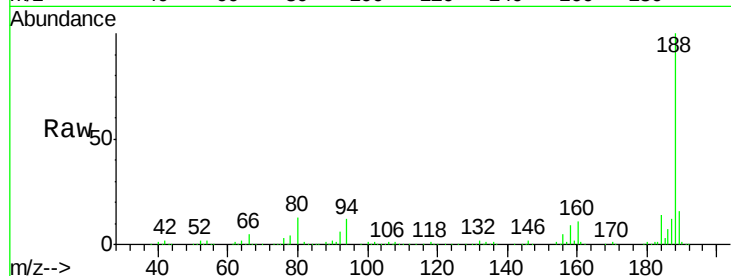
Tot Ion:188 Resp: 456675

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

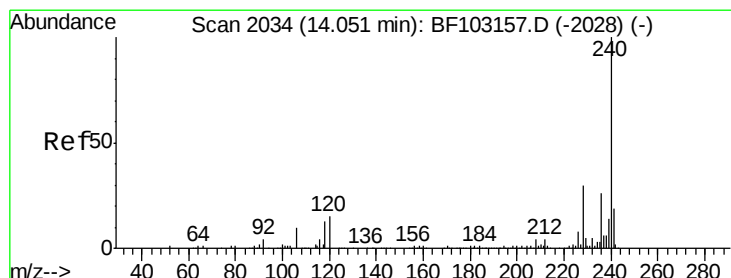
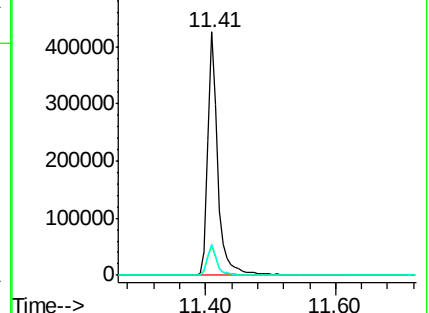
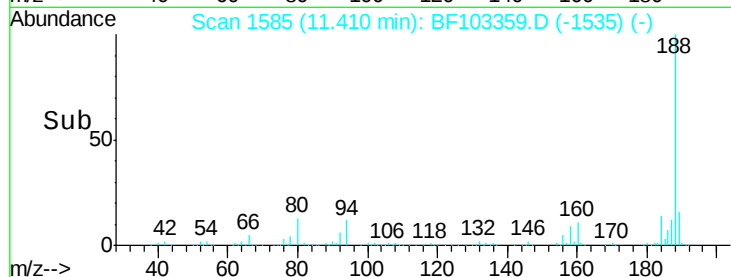
80 12.9 9.2 13.8



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: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

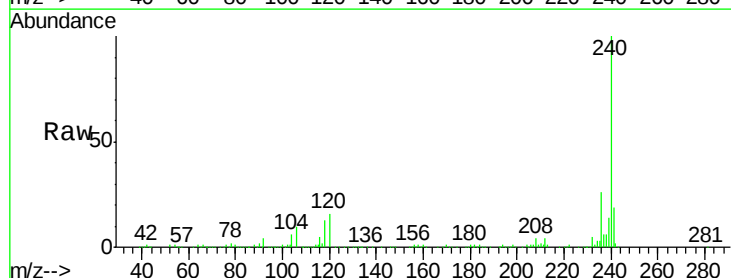
Tgt Ion:240 Resp: 348700

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

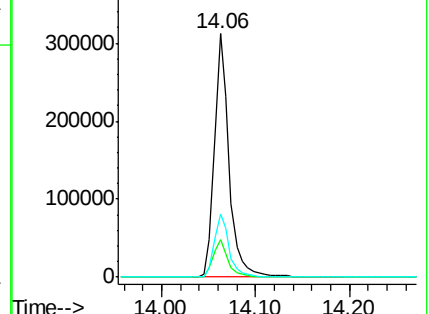
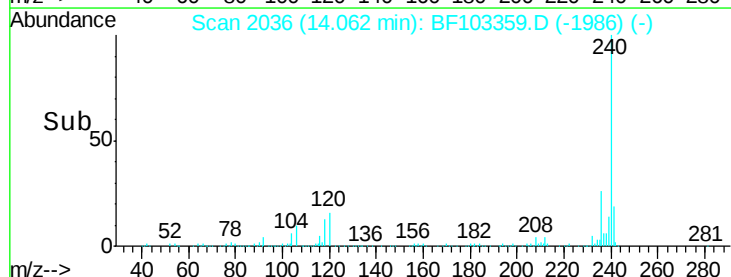
236 25.9 20.7 31.1

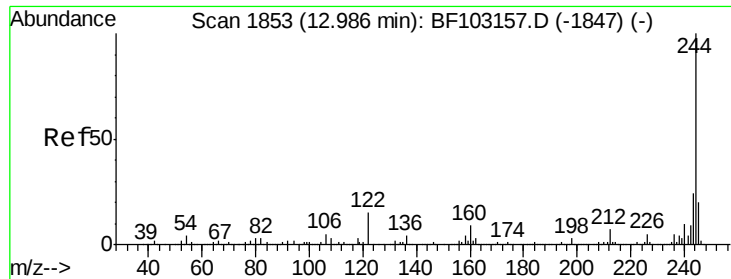


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 13.017 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

Instrument :

BNA\_F

ClientSampleId :

PB106993BL

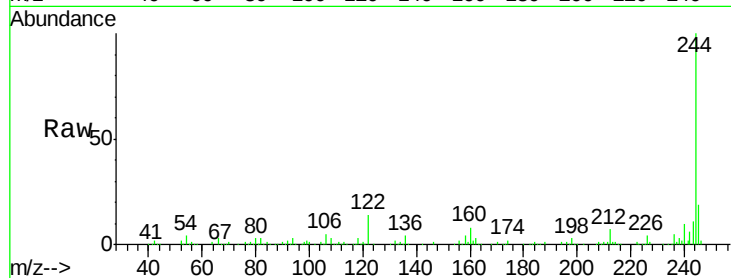
Tot Ion:244 Resp: 188815

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

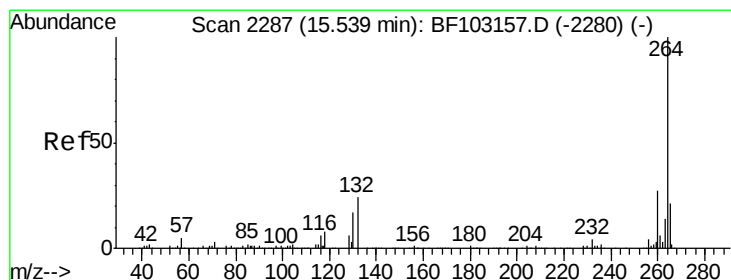
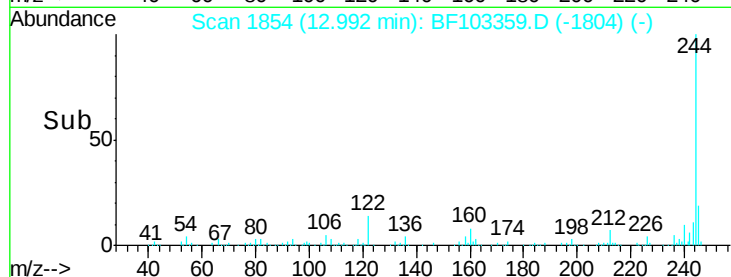
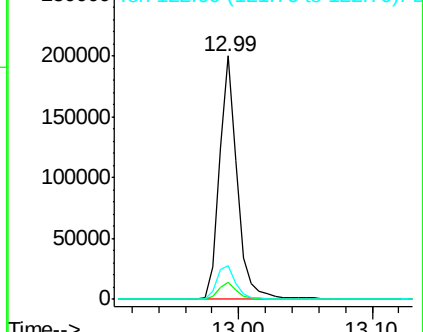
122 14.1 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.57 min Scan# 2293

Delta R.T. 0.01 min

Lab File: BF103359.D

Acq: 2 Mar 2018 11:58

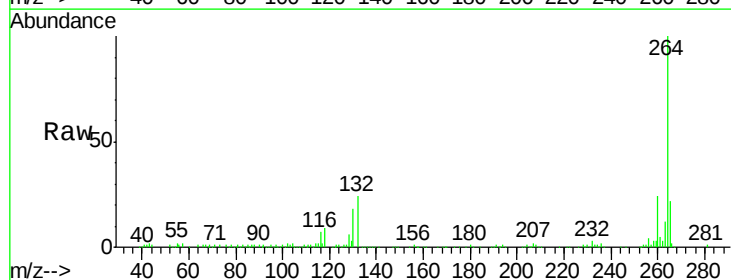
Tgt Ion:264 Resp: 283268

Ion Ratio Lower Upper

264 100

260 23.8 19.2 28.8

265 21.6 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

