

Data Path : Z:\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 13:45:15 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     |

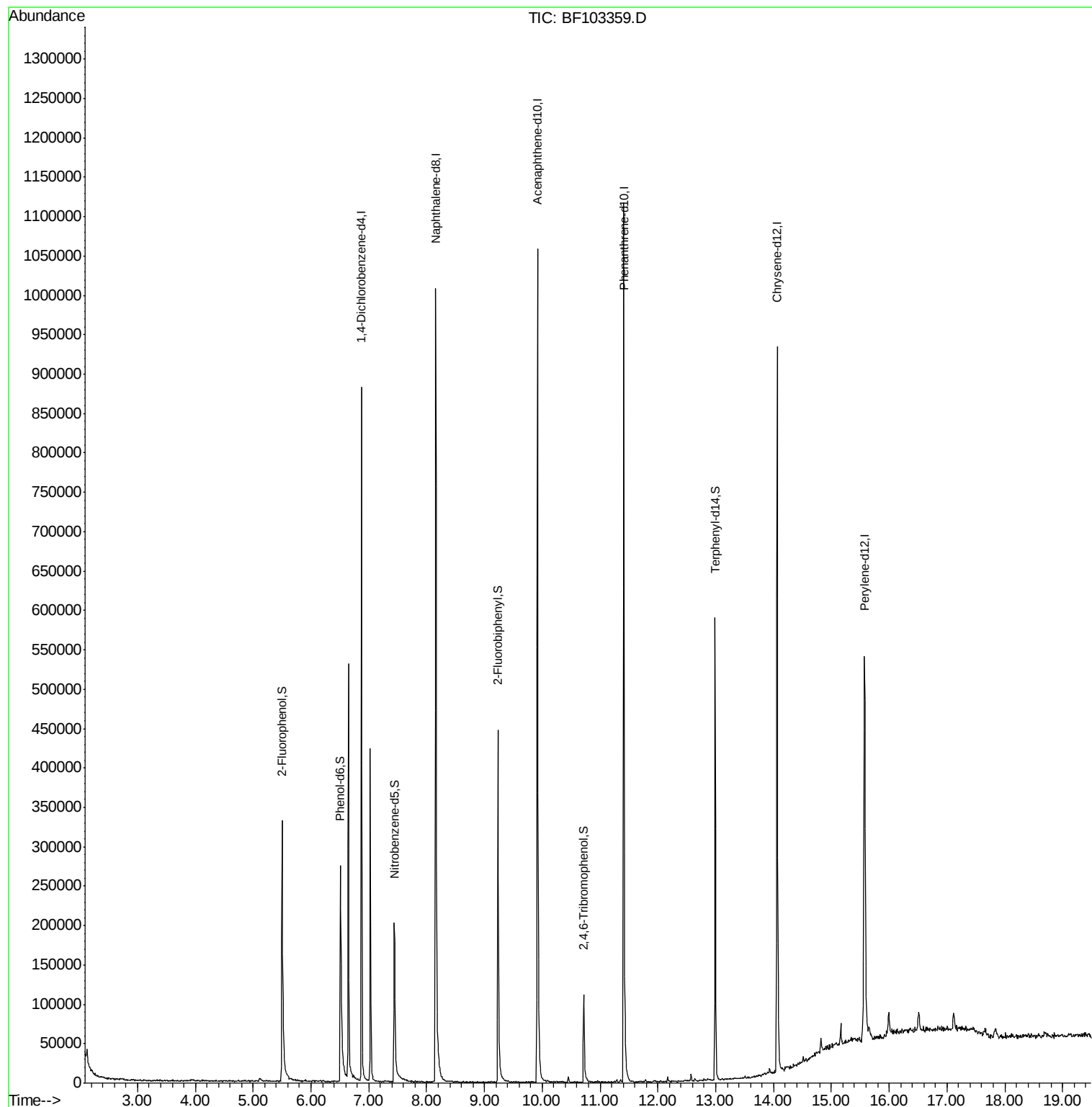
Target Compounds Qvalue

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

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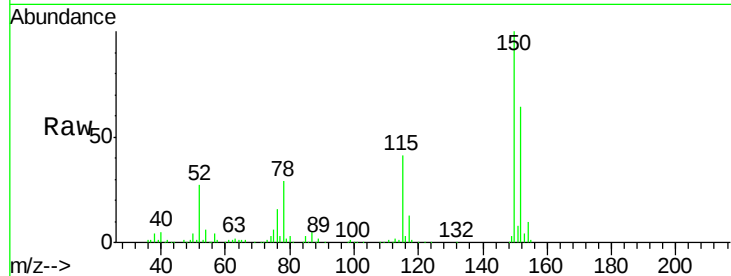


#1

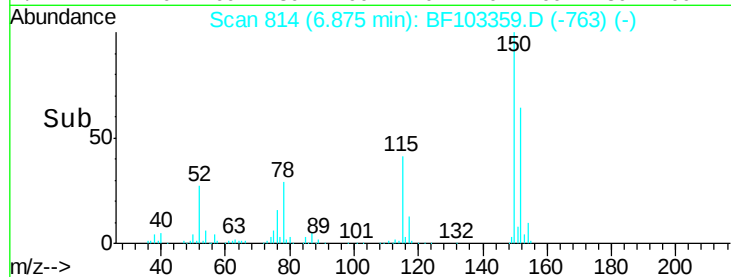
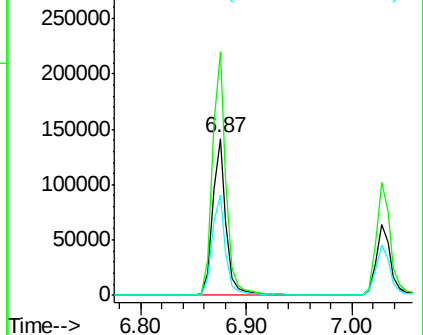
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 6.87 min Scan# 814  
Delta R.T. -0.00 min  
Lab File: BF103359.D  
Acq: 2 Mar 2018 11:58

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



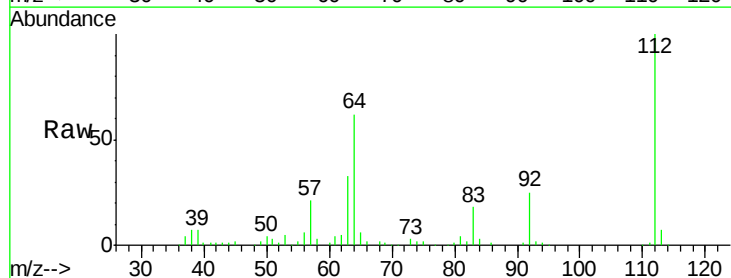
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



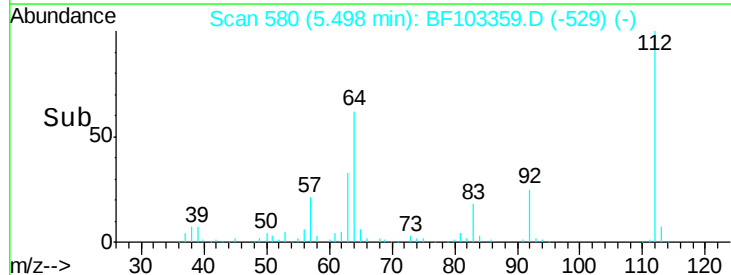
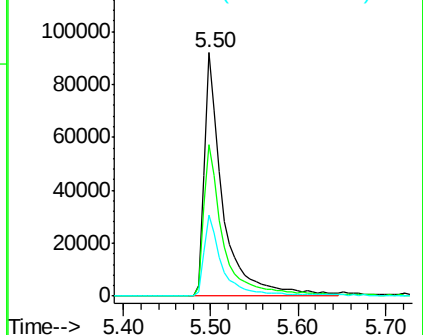
#5

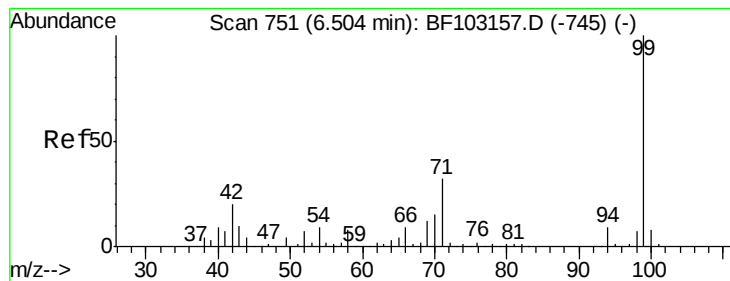
2-Fluorophenol  
Concen: 16.219 ng  
RT: 5.50 min Scan# 580  
Delta R.T. -0.00 min  
Lab File: BF103359.D  
Acq: 2 Mar 2018 11:58

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

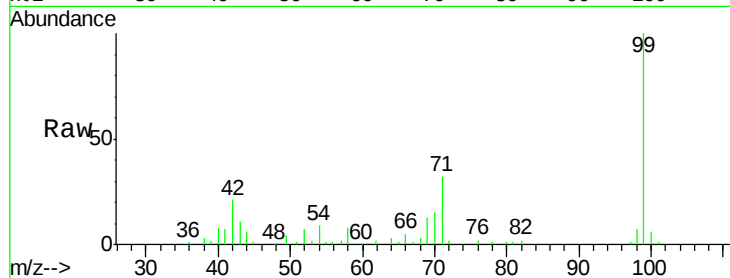
Tot Ion: 99 Resp: 158997

Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

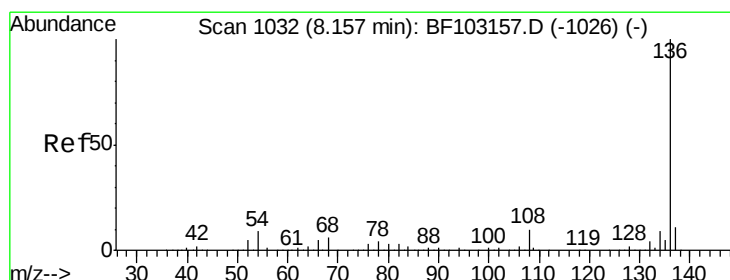
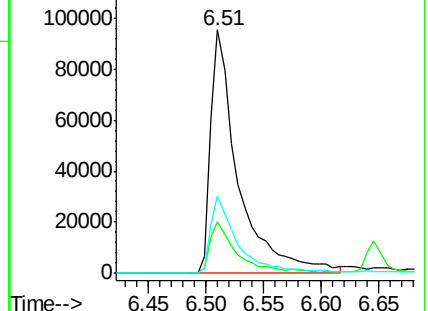
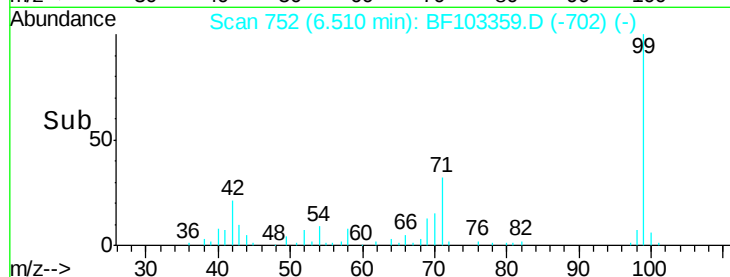
71 31.9 25.4 38.0



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



#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

Tgt Ion: 136 Resp: 552769

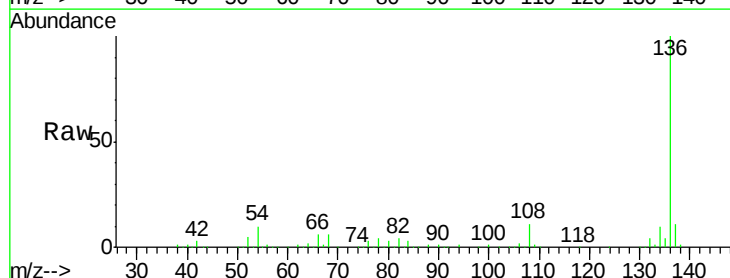
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 9.7 6.6 9.8

68 6.3 5.0 7.4

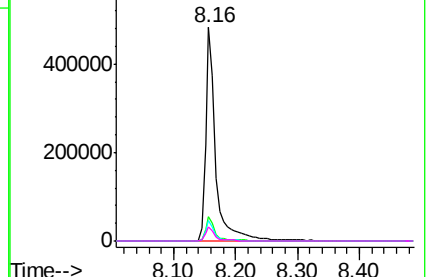
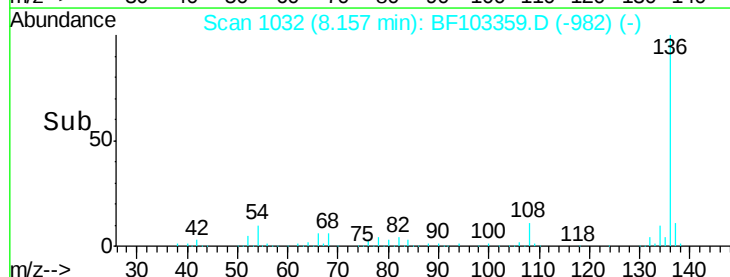


Abundance Ion 136.00 (135.70 to 136.70): E

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

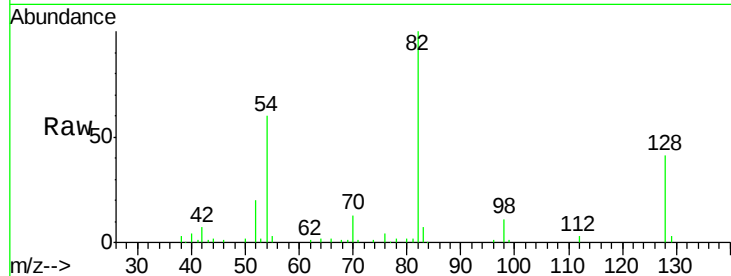




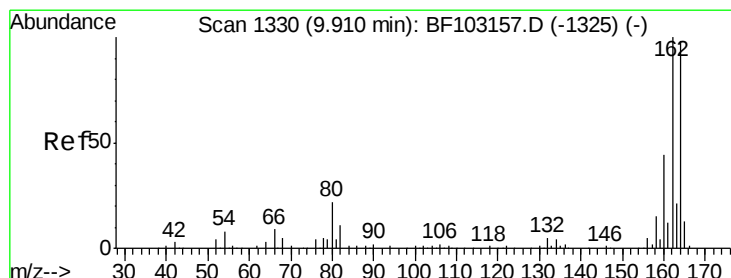
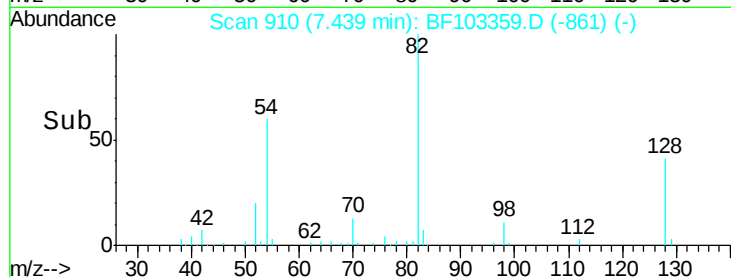
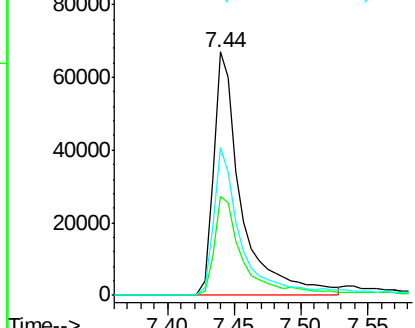
#23  
 Nitrobenzene-d5  
 Concen: 10.157 ng  
 RT: 7.44 min Scan# 910  
 Delta R.T. -0.01 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB106993BL

Tot Ion: 82 Resp: 98314  
 Ion Ratio Lower Upper  
 82 100  
 128 40.7 36.1 54.1  
 54 60.4 41.4 62.2

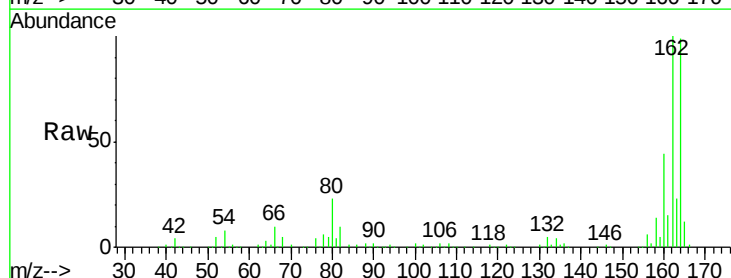


Abundance Ion 82.00 (81.70 to 82.70): BF1  
 Ion 128.00 (127.70 to 128.70): BF1  
 Ion 54.00 (53.70 to 54.70): BF1

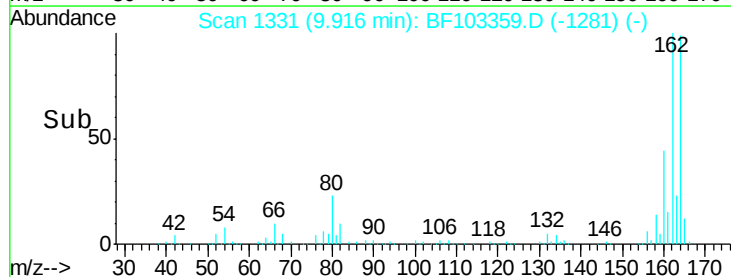
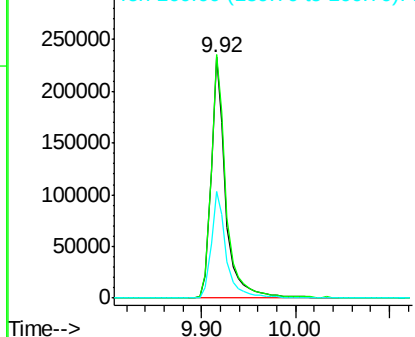


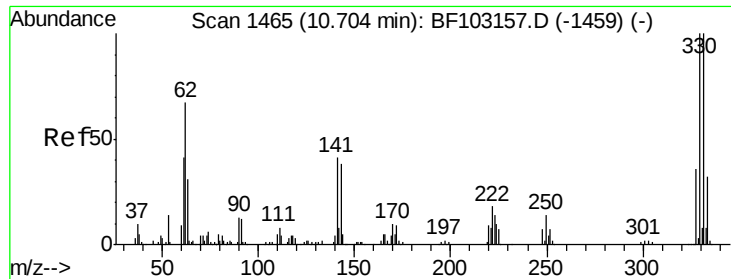
#38  
 Acenaphthene-d10  
 Concen: 20.000 ng  
 RT: 9.92 min Scan# 1331  
 Delta R.T. -0.01 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

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): BF1  
 Ion 162.00 (161.70 to 162.70): BF1  
 Ion 160.00 (159.70 to 160.70): BF1

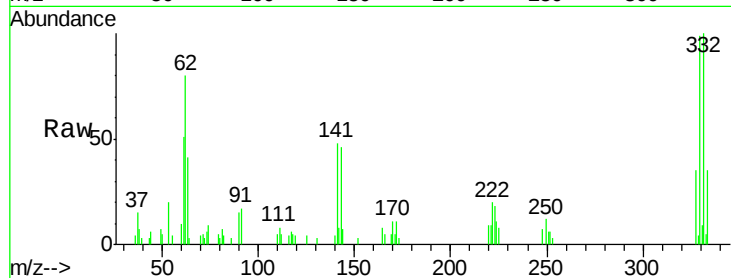




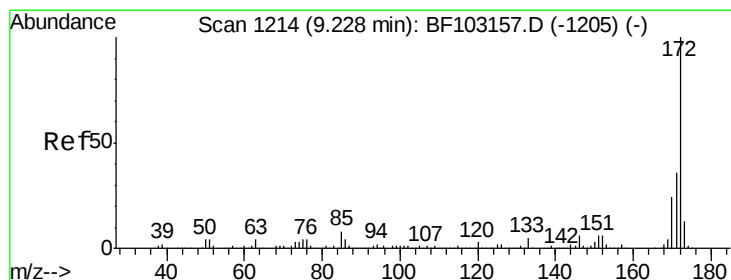
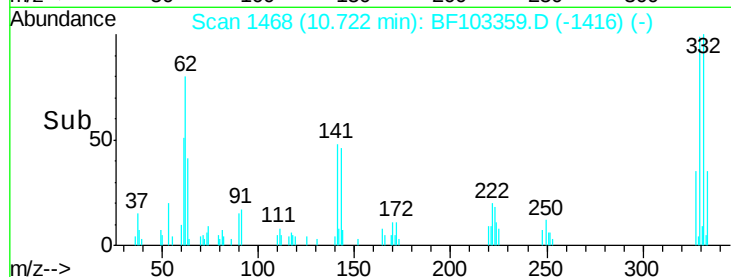
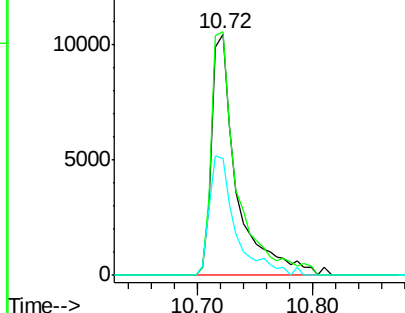
#41  
 2,4,6-Tribromophenol  
 Concen: 7.356 ng  
 RT: 10.72 min Scan# 1468  
 Delta R.T. 0.01 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

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#

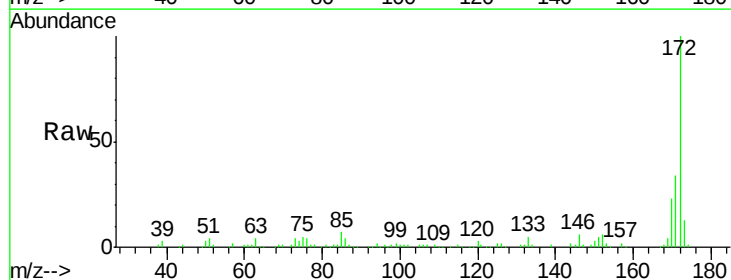


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

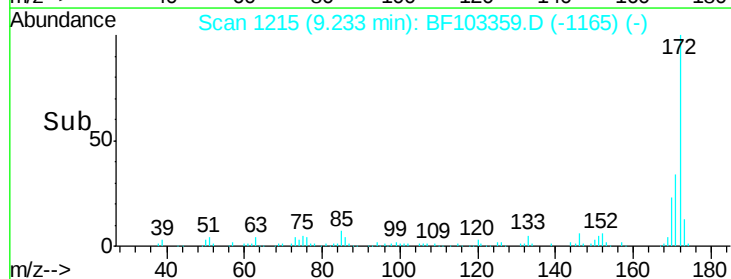
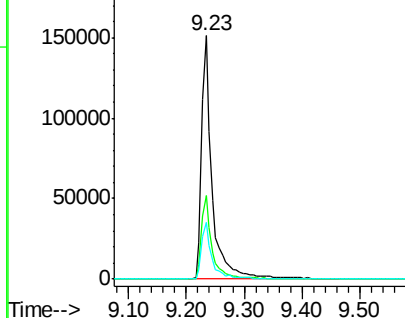


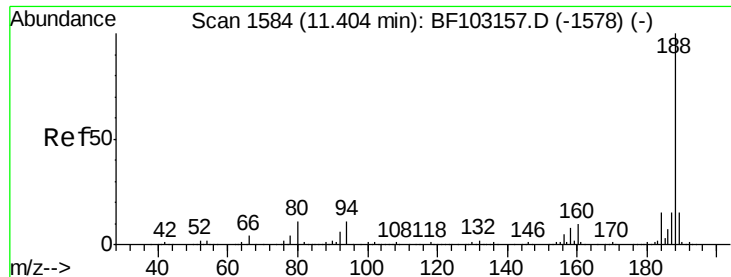
#44  
 2-Fluorobiphenyl  
 Concen: 8.902 ng  
 RT: 9.23 min Scan# 1215  
 Delta R.T. -0.01 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

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





#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

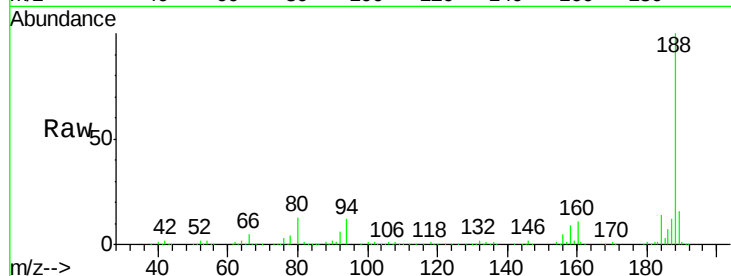
Tot Ion:188 Resp: 456675

Ion Ratio Lower Upper

188 100

94 12.1 8.5 12.7

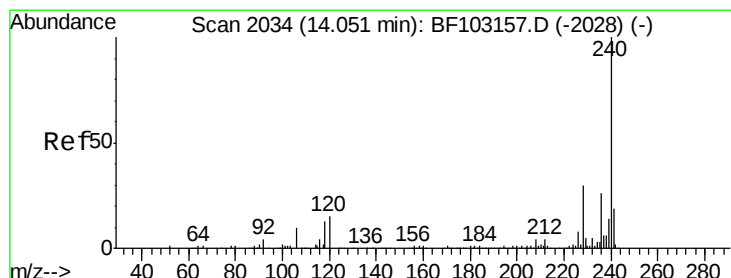
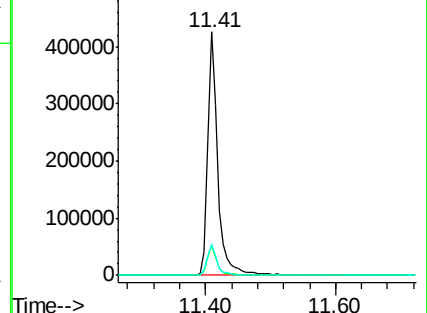
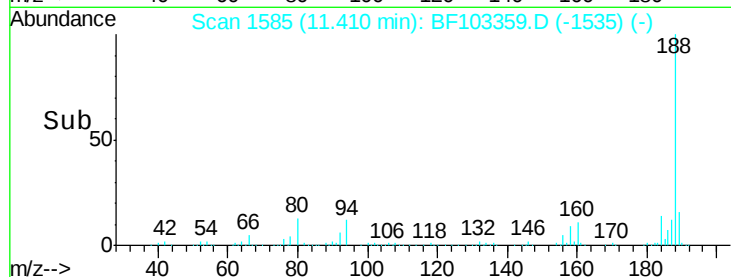
80 12.9 9.2 13.8



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

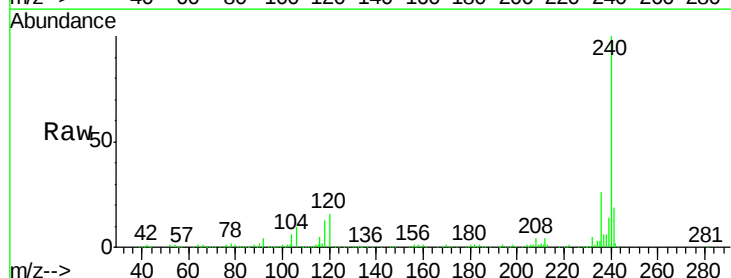
Tgt Ion:240 Resp: 348700

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

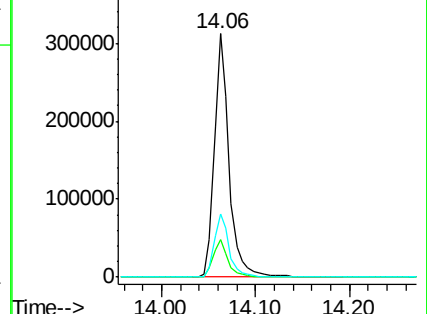
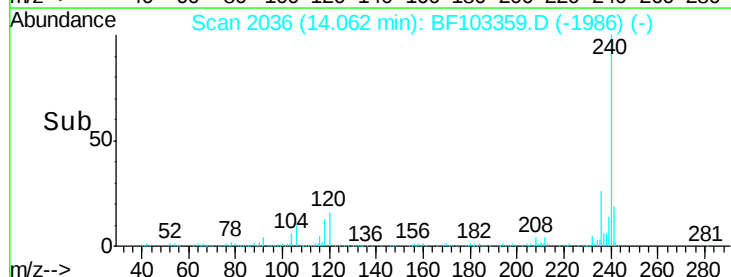
236 25.9 20.7 31.1

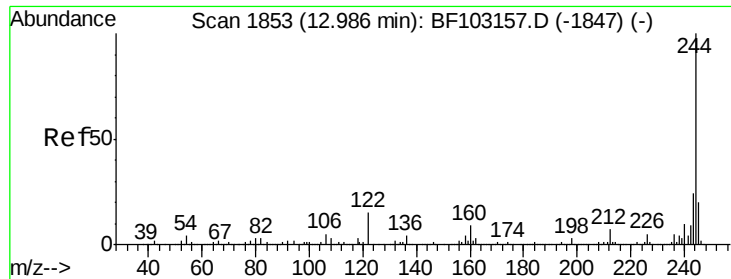


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

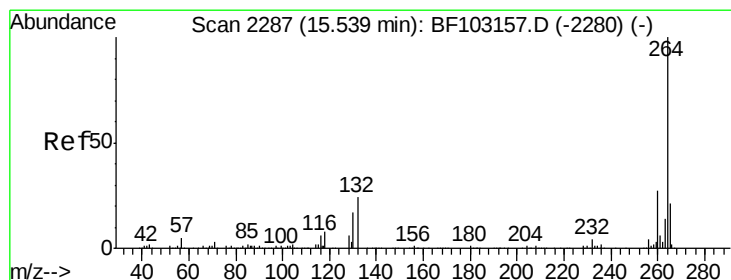
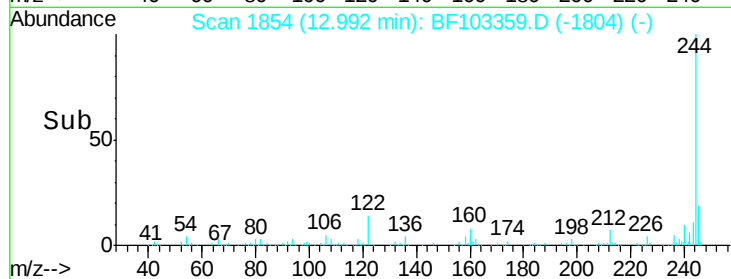
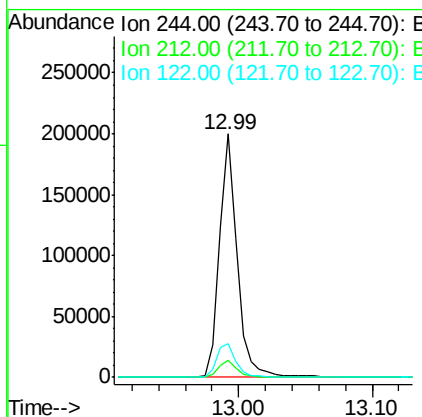
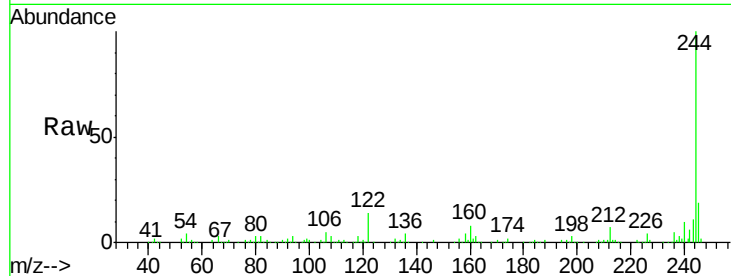




#78  
 Terphenyl-d14  
 Concen: 13.017 ng  
 RT: 12.99 min Scan# 1854  
 Delta R.T. -0.01 min  
 Lab File: BF103359.D  
 Acq: 2 Mar 2018 11:58

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



#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

