

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\  
 Data File : BF076913.D  
 Acq On : 16 Jan 2015 17:55  
 Operator : IZ / TP  
 Sample : PB81350TB  
 Misc : W  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81350TB

Quant Time: Jan 16 22:38:21 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jan 16 21:57:04 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.98  | 152  | 41113    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 176720   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.01 | 164  | 98121    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.77 | 188  | 179856   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.27 | 240  | 172117   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.99 | 264  | 147174   | 20.00  | ng    | 0.03     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 271153   | 108.44 | ng    | -0.01    |
| 7) Phenol-d6                | 7.36  | 99   | 334693   | 106.10 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 204041   | 63.97  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.68 | 330  | 82991    | 104.20 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 434614   | 67.41  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.00 | 244  | 460210   | 61.56  | ng    | 0.00     |

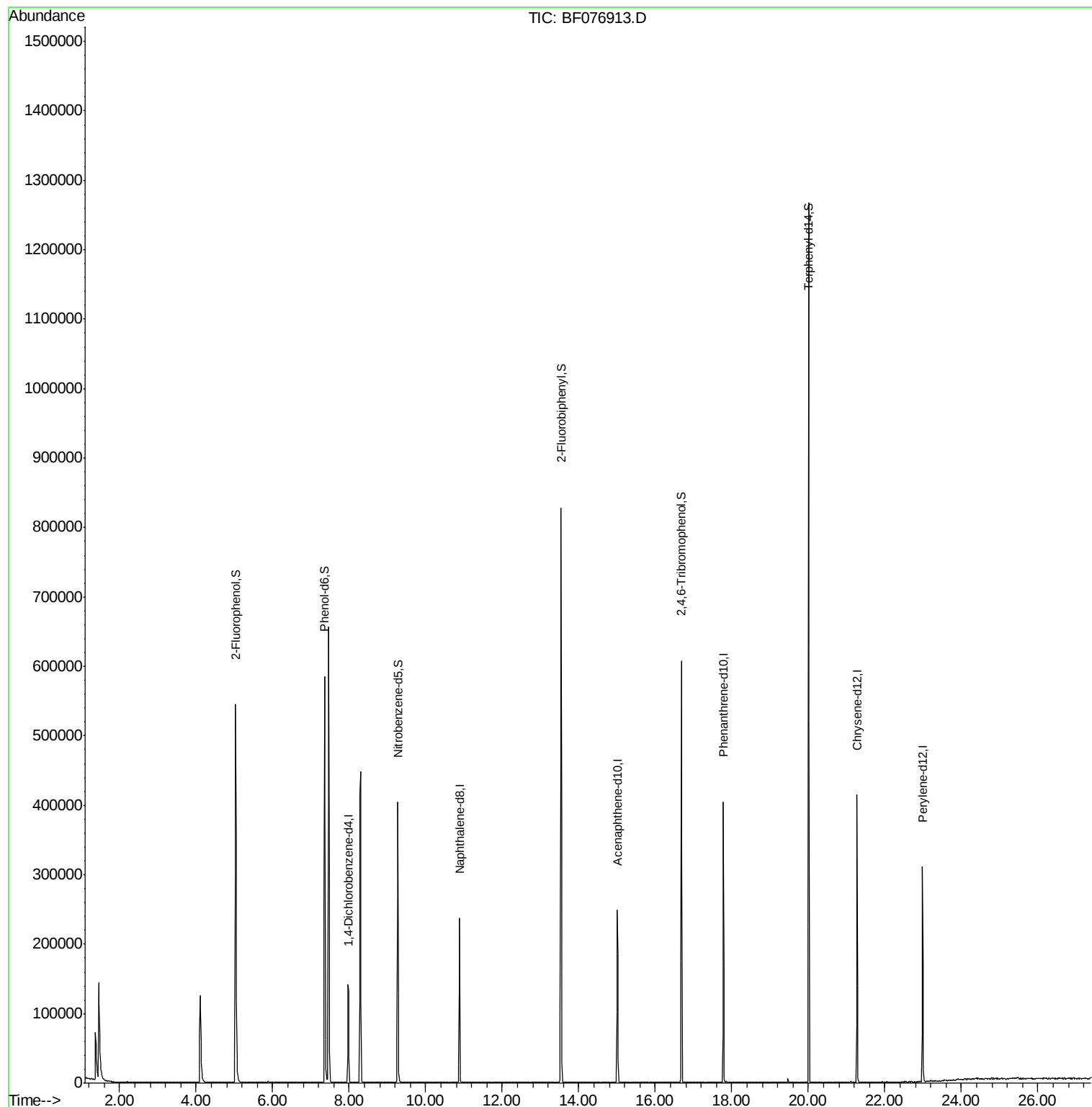
Target Compounds Qvalue

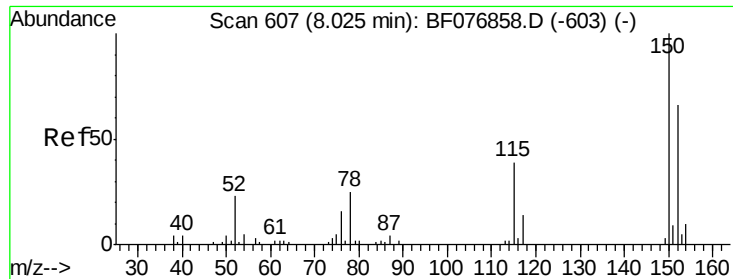
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF076913.D

Acq: 16 Jan 2015 17:55

Instrument :

BNA\_F

ClientSampleId :

PB81350TB

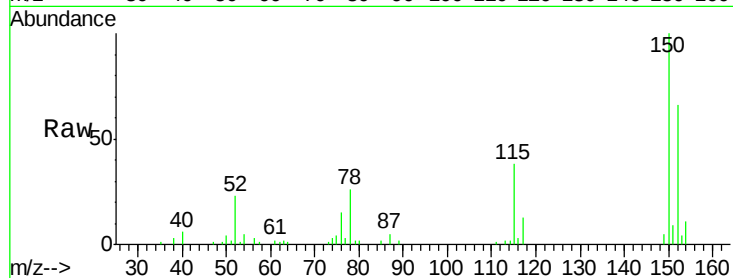
Tot Ion:152 Resp: 41113

Ion Ratio Lower Upper

152 100

150 152.6 121.7 182.5

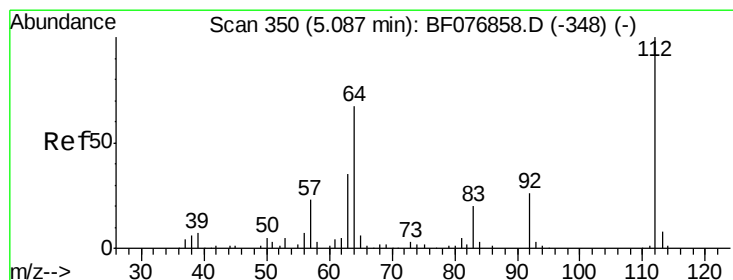
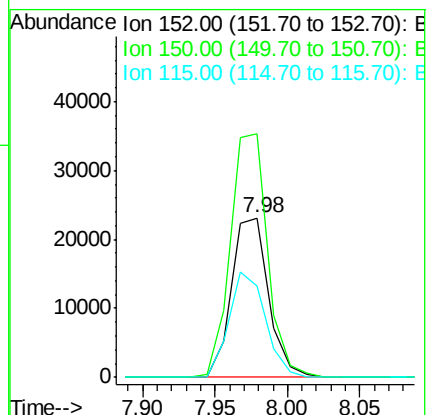
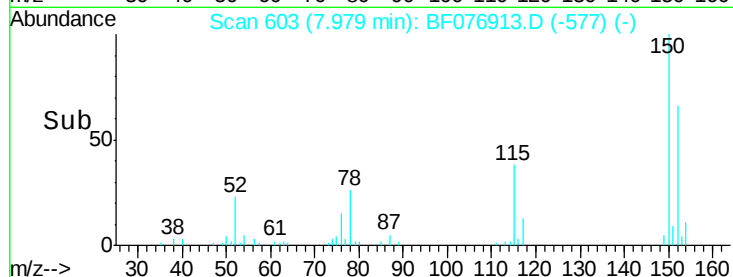
115 57.2 47.0 70.6



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: 108.44 ng

RT: 5.03 min Scan# 345

Delta R.T. -0.01 min

Lab File: BF076913.D

Acq: 16 Jan 2015 17:55

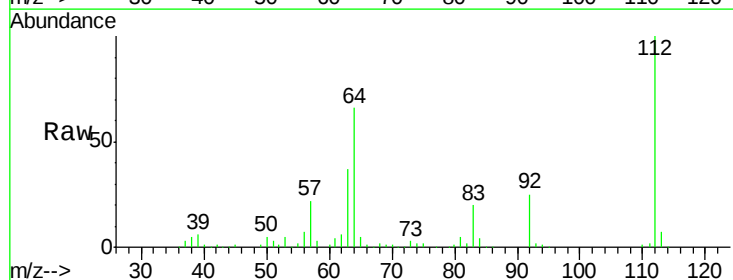
Tgt Ion:112 Resp: 271153

Ion Ratio Lower Upper

112 100

64 65.6 54.2 81.4

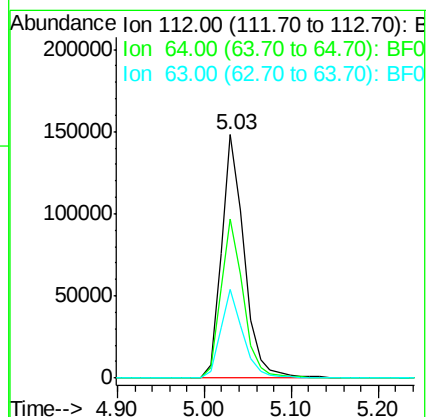
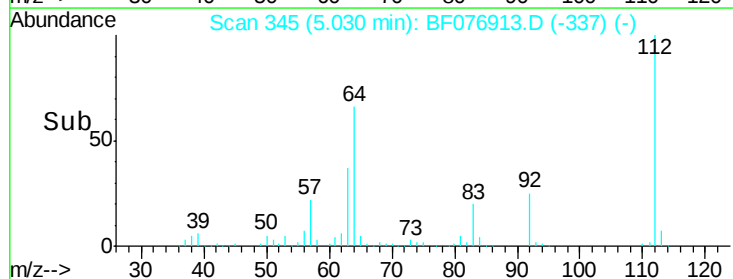
63 36.6 28.4 42.6



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 106.10 ng

RT: 7.36 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF076913.D

Acq: 16 Jan 2015 17:55

Instrument :

BNA\_F

ClientSampleId :

PB81350TB

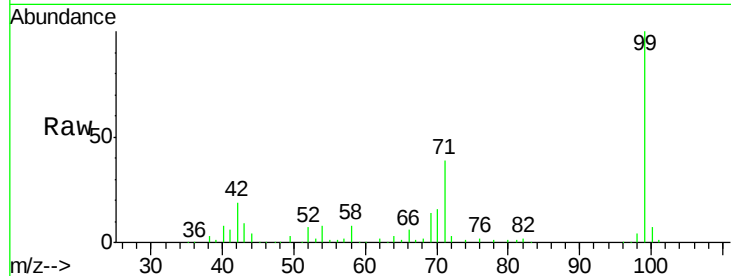
Tot Ion: 99 Resp: 334693

Ion Ratio Lower Upper

99 100

42 19.2 15.0 22.4

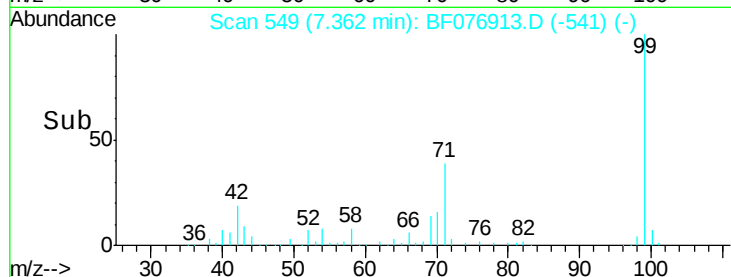
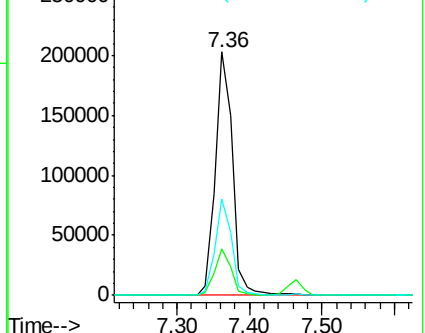
71 39.4 30.5 45.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.88 min Scan# 857

Delta R.T. 0.00 min

Lab File: BF076913.D

Acq: 16 Jan 2015 17:55

Tgt Ion: 136 Resp: 176720

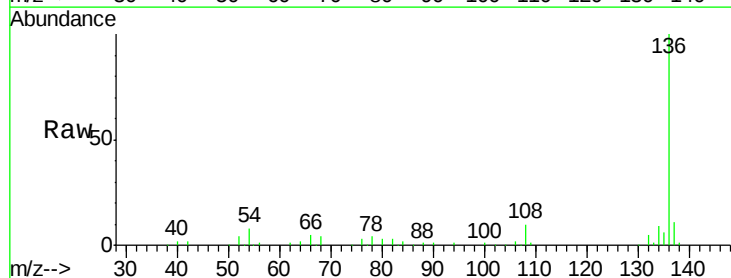
Ion Ratio Lower Upper

136 100

137 11.3 8.1 12.1

54 7.9 7.0 10.4

68 4.3 3.7 5.5

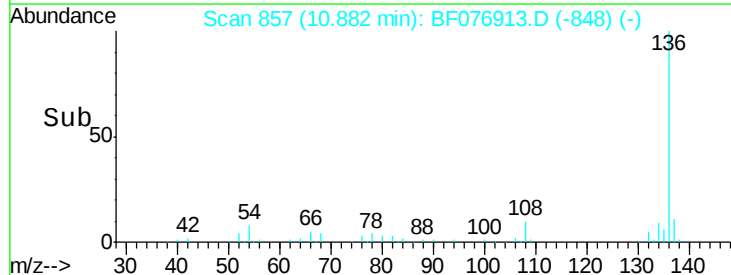
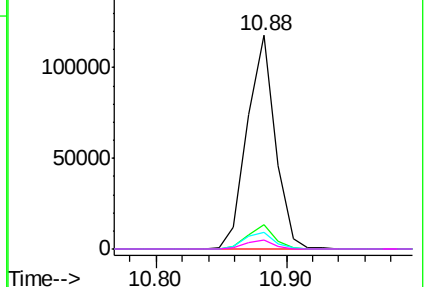


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

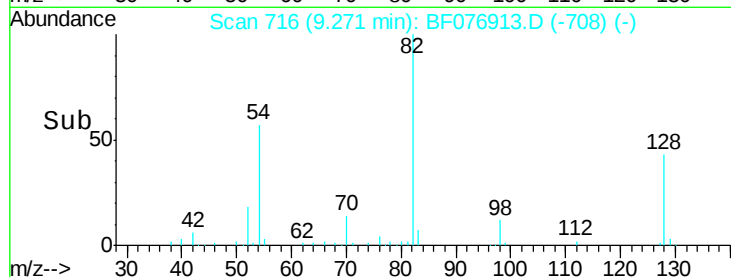
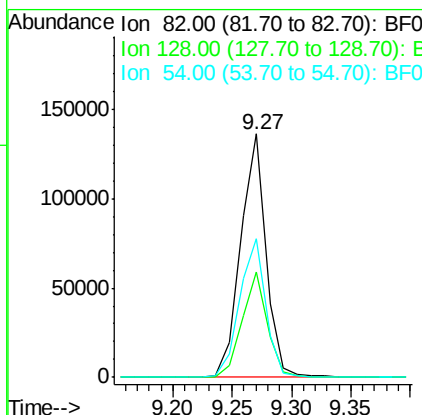
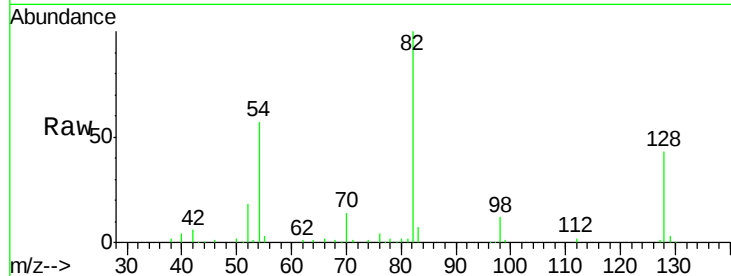




#23  
 Nitrobenzene-d5  
 Concen: 63.97 ng  
 RT: 9.27 min Scan# 716  
 Delta R.T. -0.01 min  
 Lab File: BF076913.D  
 Acq: 16 Jan 2015 17:55

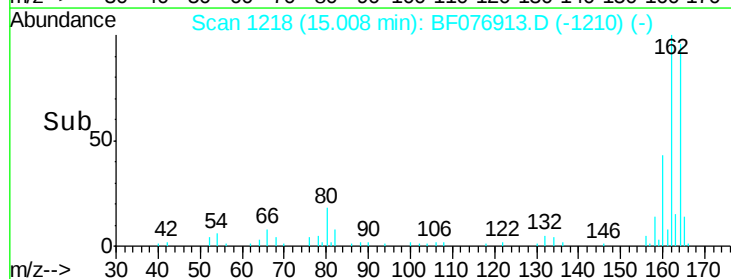
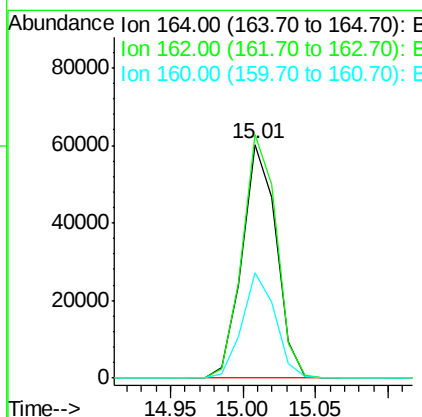
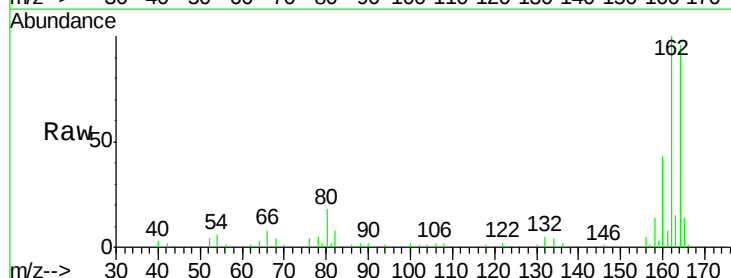
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81350TB

| Tot Ion   | 82    | Resp  | 204041 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 43.3  | 33.1  | 49.7   |
| 54        | 57.0  | 48.3  | 72.5   |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.01 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF076913.D  
 Acq: 16 Jan 2015 17:55

| Tgt Ion   | 164   | Resp  | 98121 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 104.3 | 82.4  | 123.6 |
| 160       | 45.0  | 34.8  | 52.2  |

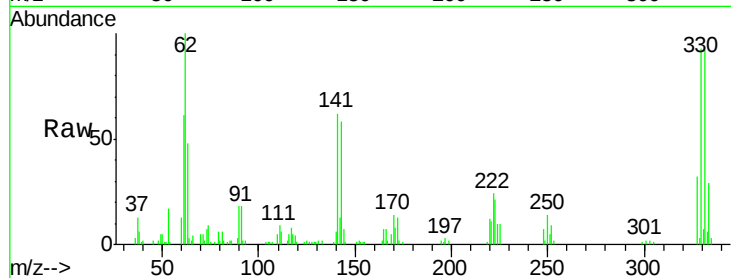




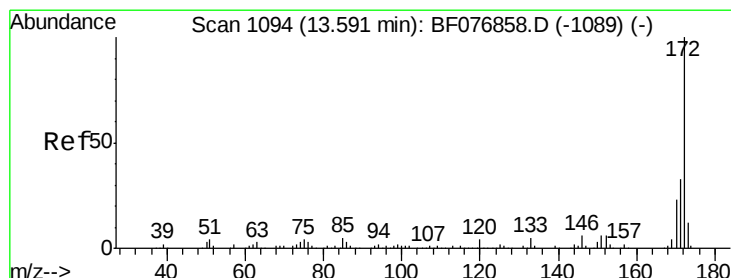
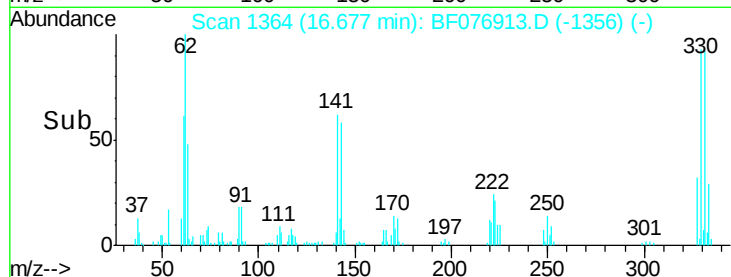
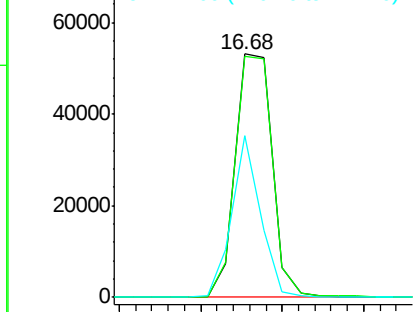
#41  
 2,4,6-Tribromophenol  
 Concen: 104.20 ng  
 RT: 16.68 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: BF076913.D  
 Acq: 16 Jan 2015 17:55

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81350TB

Tot Ion:330 Resp: 82991  
 Ion Ratio Lower Upper  
 330 100  
 332 99.5 77.8 116.6  
 141 51.5 38.5 57.7

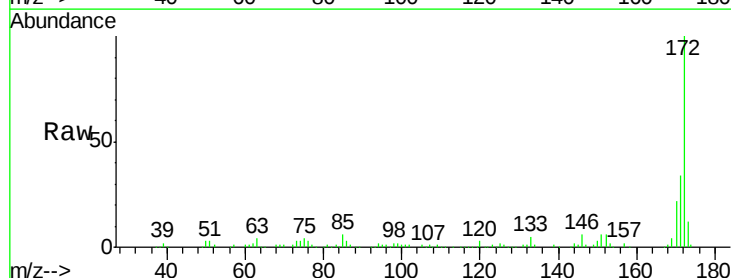


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

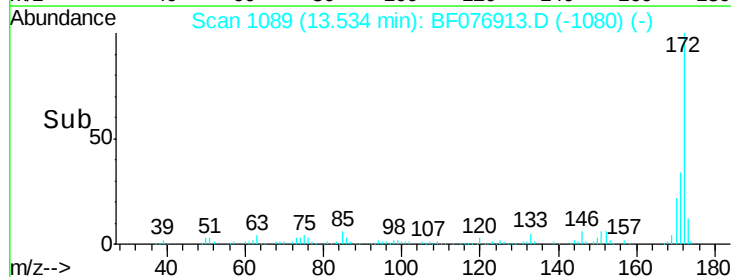
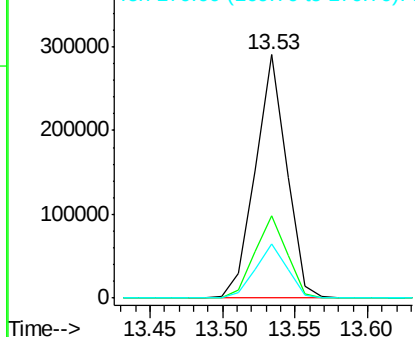


#44  
 2-Fluorobiphenyl  
 Concen: 67.41 ng  
 RT: 13.53 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: BF076913.D  
 Acq: 16 Jan 2015 17:55

Tgt Ion:172 Resp: 434614  
 Ion Ratio Lower Upper  
 172 100  
 171 33.6 26.6 40.0  
 170 22.3 18.0 27.0



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

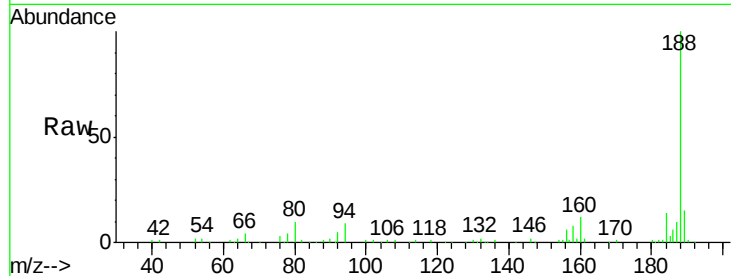




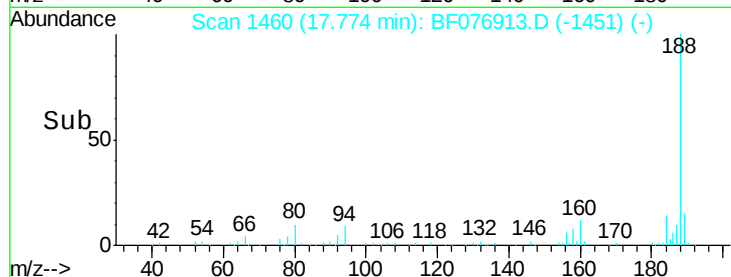
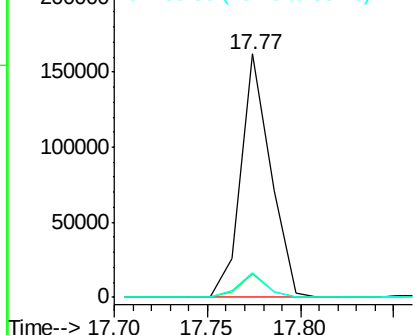
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.77 min Scan# 1460  
Delta R.T. 0.00 min  
Lab File: BF076913.D  
Acq: 16 Jan 2015 17:55

Instrument :  
BNA\_F  
ClientSampleId :  
PB81350TB

Tot Ion:188 Resp: 179856  
Ion Ratio Lower Upper  
188 100  
94 9.5 6.0 9.0#  
80 10.0 6.9 10.3

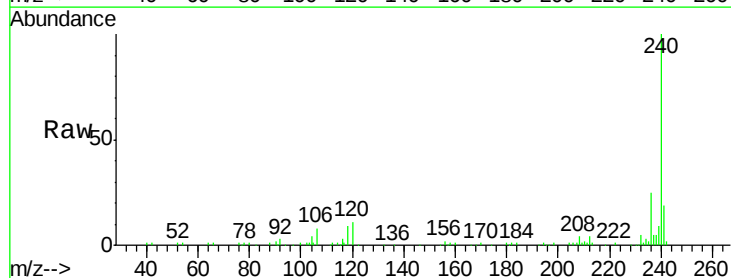


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

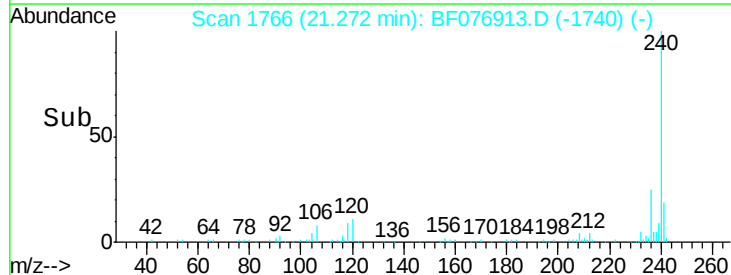
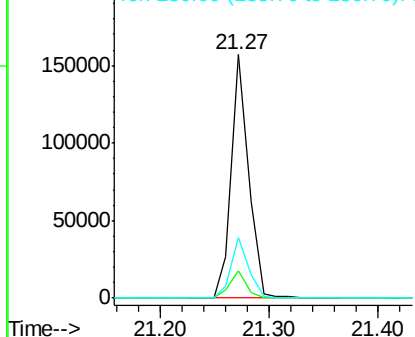


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.27 min Scan# 1766  
Delta R.T. 0.00 min  
Lab File: BF076913.D  
Acq: 16 Jan 2015 17:55

Tgt Ion:240 Resp: 172117  
Ion Ratio Lower Upper  
240 100  
120 11.2 10.4 15.6  
236 24.7 20.2 30.2



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: 61.56 ng

RT: 20.00 min Scan# 1655

Delta R.T. 0.00 min

Lab File: BF076913.D

Acq: 16 Jan 2015 17:55

Instrument :

BNA\_F

ClientSampleId :

PB81350TB

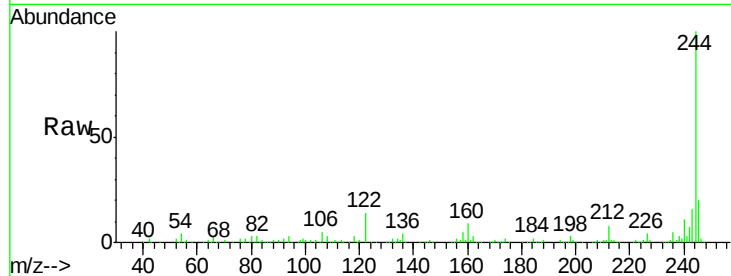
Tot Ion:244 Resp: 460210

Ion Ratio Lower Upper

244 100

212 7.6 6.3 9.5

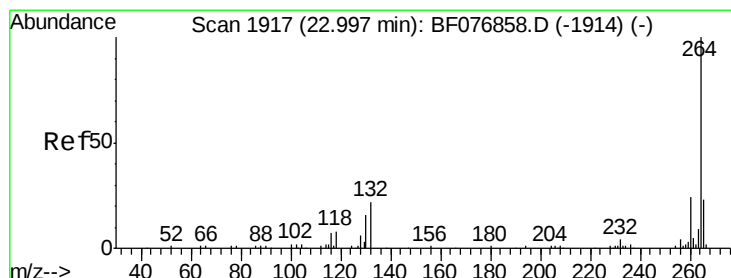
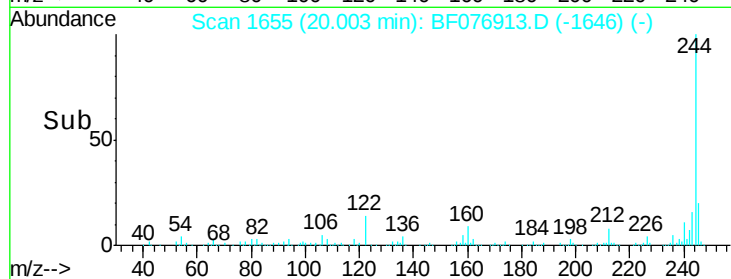
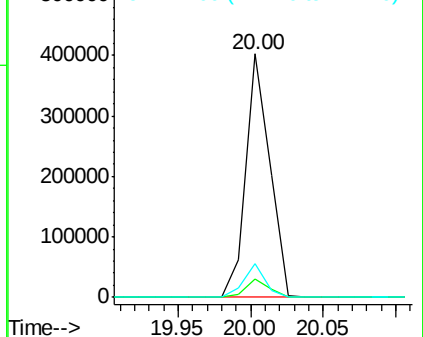
122 13.8 10.1 15.1



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: 20.00 ng

RT: 22.99 min Scan# 1916

Delta R.T. 0.03 min

Lab File: BF076913.D

Acq: 16 Jan 2015 17:55

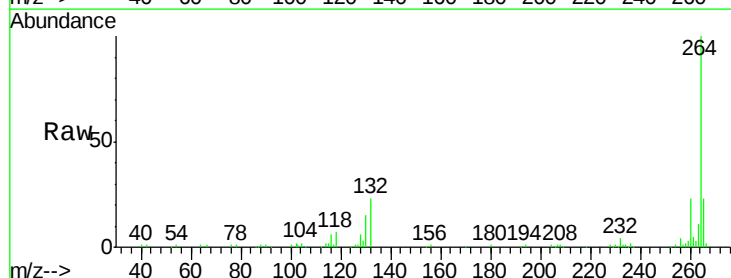
Tgt Ion:264 Resp: 147174

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.4

265 22.7 18.1 27.1



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

