

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011615\  
 Data File : BF076921.D  
 Acq On : 16 Jan 2015 22:31  
 Operator : IZ / TP  
 Sample : PB81373BL  
 Misc : W  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81373BL

Quant Time: Jan 16 23:54:14 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  | 30743    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 133189   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 15.01 | 164  | 73046    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.77 | 188  | 129359   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.27 | 240  | 121299   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 22.93 | 264  | 107692   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.03  | 112  | 243616   | 130.29 | ng    | -0.01    |
| 7) Phenol-d6                | 7.36  | 99   | 299905   | 127.14 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 179435   | 74.64  | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.68 | 330  | 74590    | 125.80 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 13.53 | 172  | 372285   | 77.56  | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.00 | 244  | 415737   | 78.90  | ng    | 0.00     |

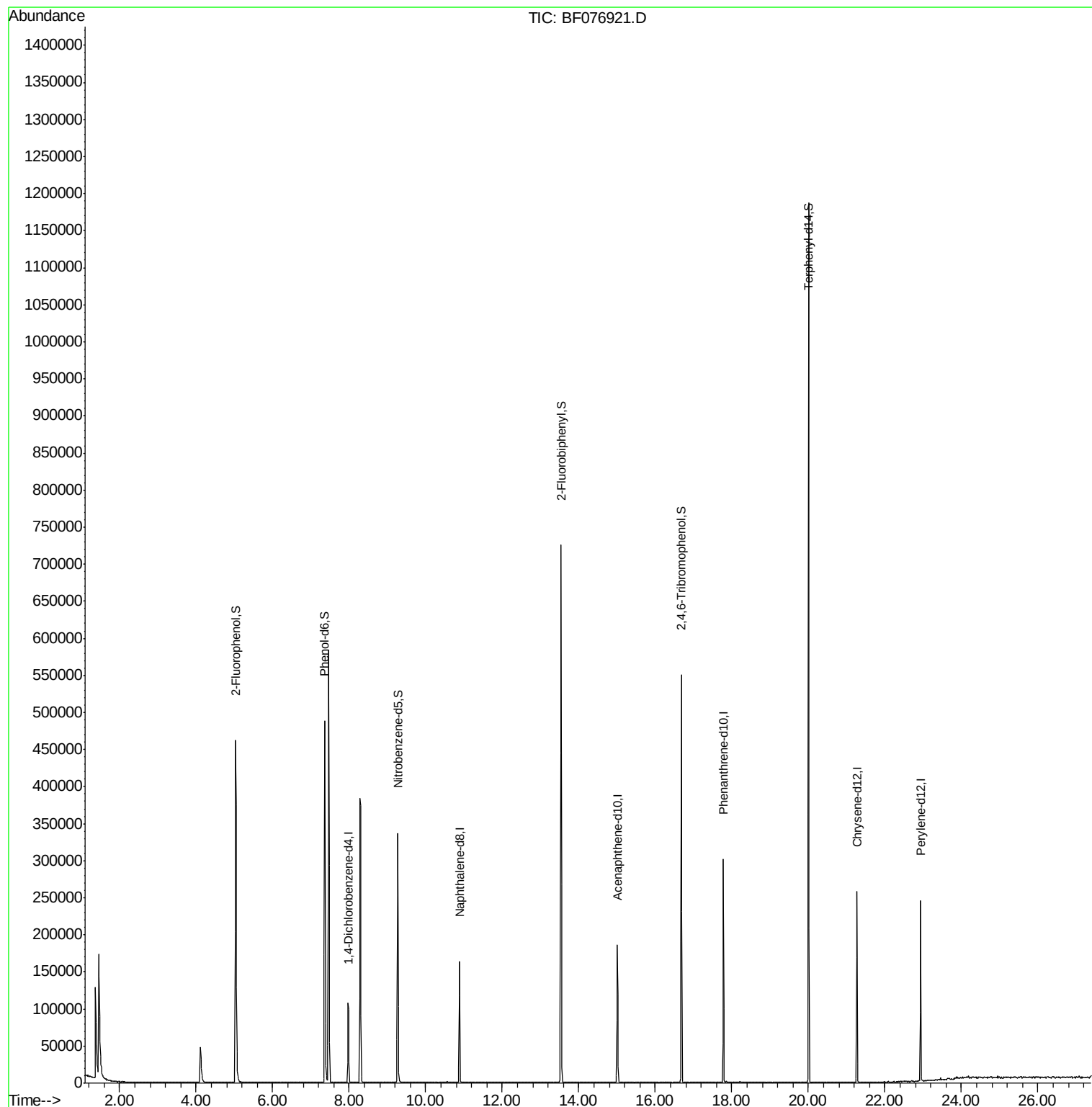
Target Compounds Qvalue

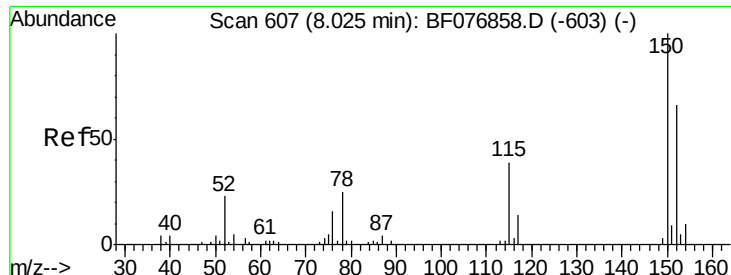
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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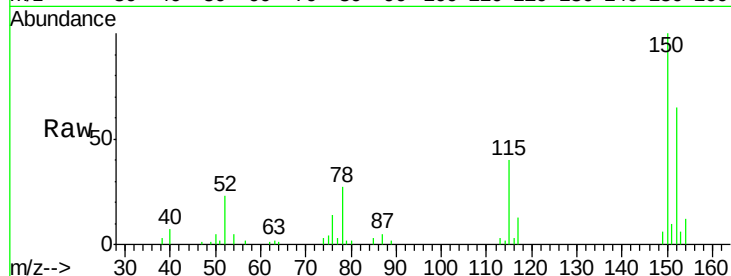


#1

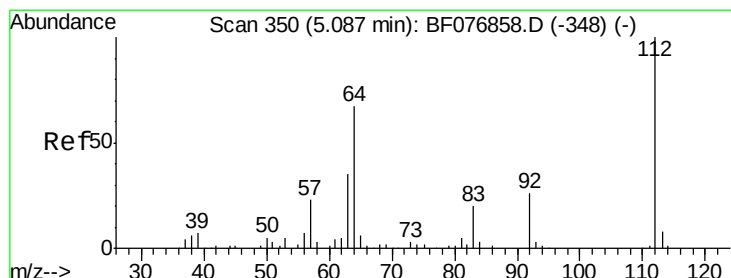
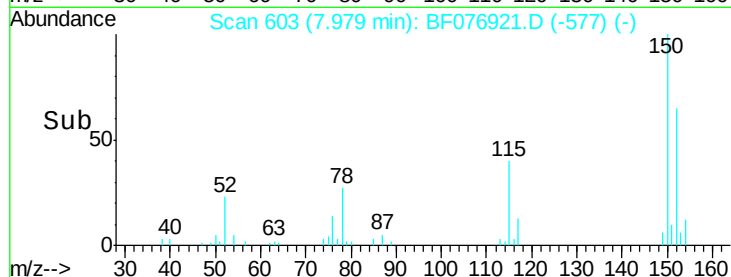
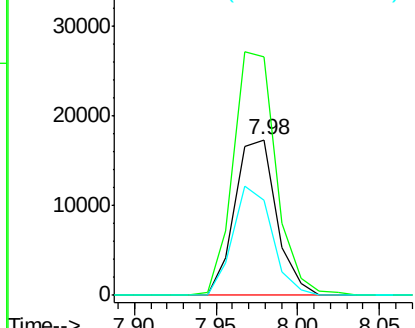
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.98 min Scan# 603  
Delta R.T. 0.00 min  
Lab File: BF076921.D  
Acq: 16 Jan 2015 22:31

Instrument :  
BNA\_F  
ClientSampleId :  
PB81373BL

Tot Ion:152 Resp: 30743  
Ion Ratio Lower Upper  
152 100  
150 152.7 121.7 182.5  
115 61.0 47.0 70.6



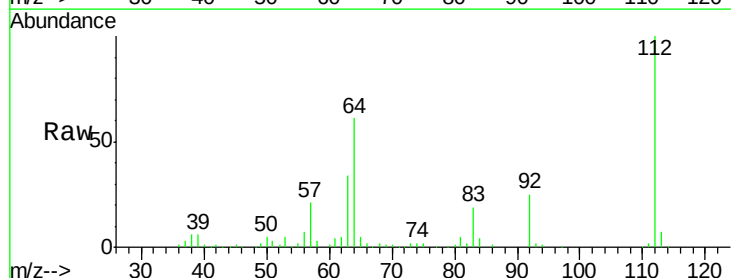
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



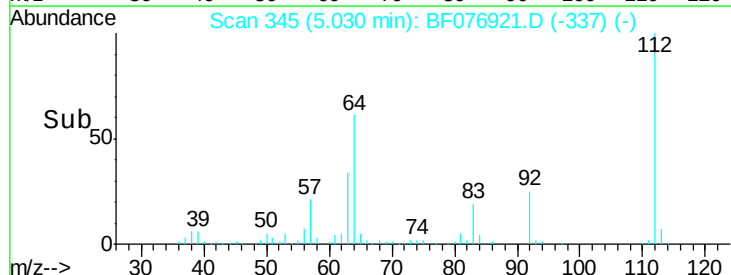
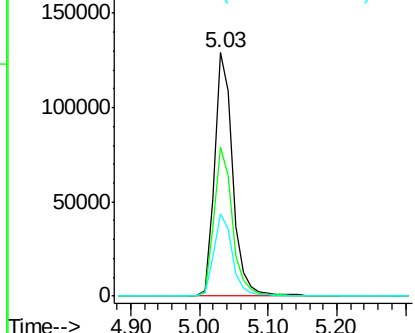
#5

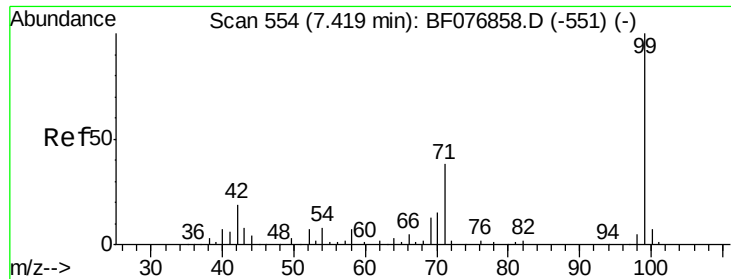
2-Fluorophenol  
Concen: 130.29 ng  
RT: 5.03 min Scan# 345  
Delta R.T. -0.01 min  
Lab File: BF076921.D  
Acq: 16 Jan 2015 22:31

Tgt Ion:112 Resp: 243616  
Ion Ratio Lower Upper  
112 100  
64 61.2 54.2 81.4  
63 34.0 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: 127.14 ng

RT: 7.36 min Scan# 549

Delta R.T. -0.01 min

Lab File: BF076921.D

Acq: 16 Jan 2015 22:31

Instrument :

BNA\_F

ClientSampleId :

PB81373BL

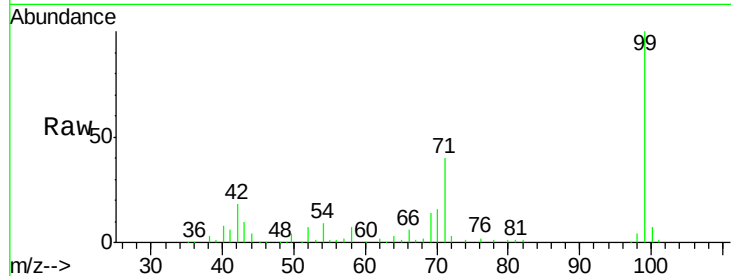
Tot Ion: 99 Resp: 299905

Ion Ratio Lower Upper

99 100

42 18.1 15.0 22.4

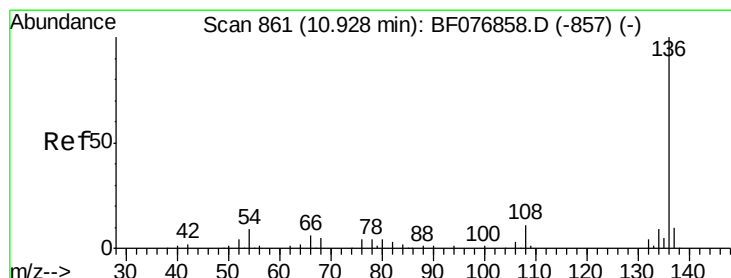
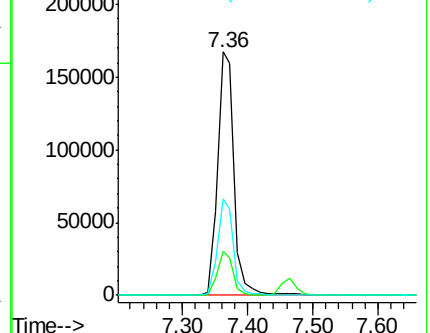
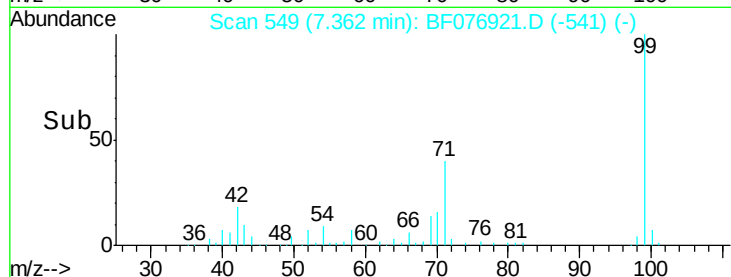
71 39.8 30.5 45.7



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: BF076921.D

Acq: 16 Jan 2015 22:31

Tgt Ion: 136 Resp: 133189

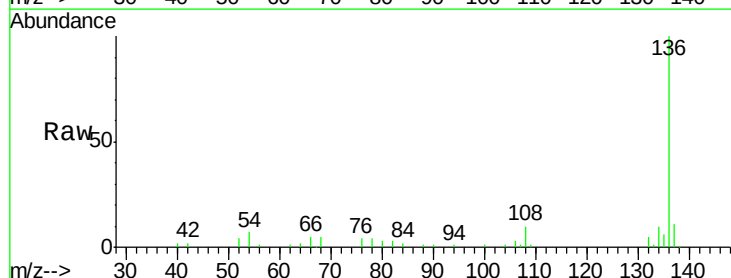
Ion Ratio Lower Upper

136 100

137 11.3 8.1 12.1

54 7.0 7.0 10.4

68 4.5 3.7 5.5

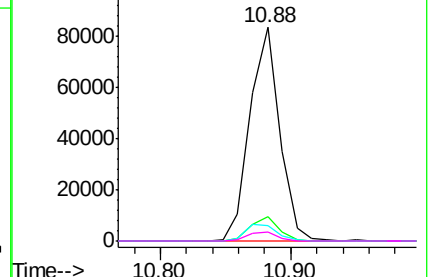
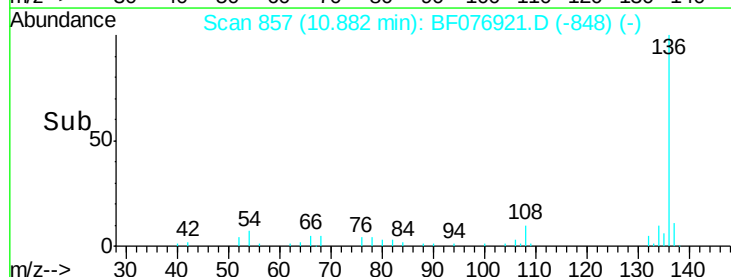


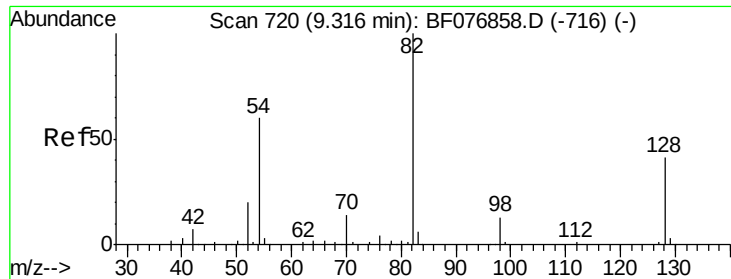
Abundance Ion 136.00 (135.70 to 136.70): E

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

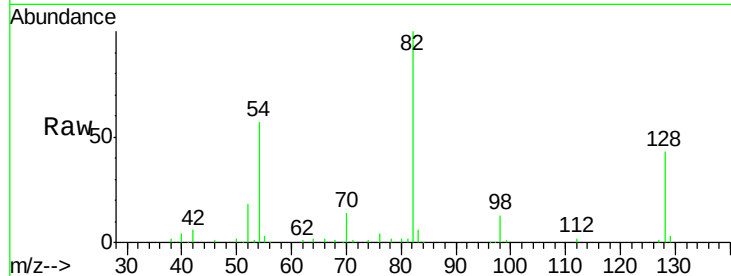




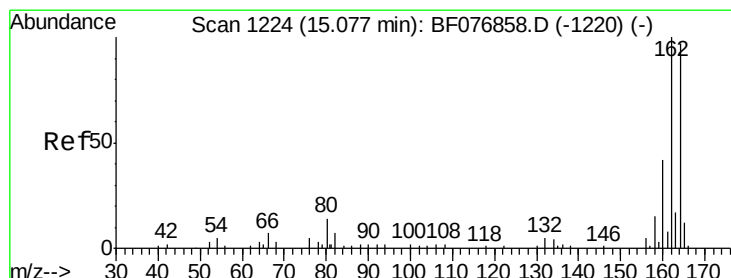
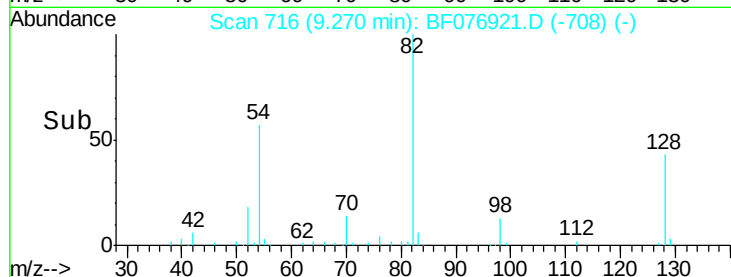
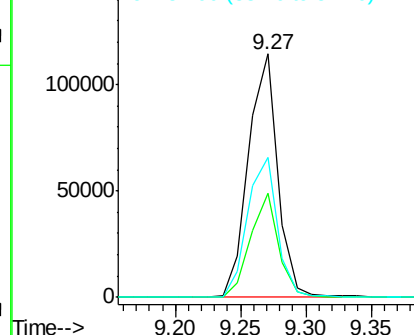
#23  
 Nitrobenzene-d5  
 Concen: 74.64 ng  
 RT: 9.27 min Scan# 716  
 Delta R.T. -0.01 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81373BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.7  | 33.1  | 49.7  |
| 54      | 57.4  | 48.3  | 72.5  |

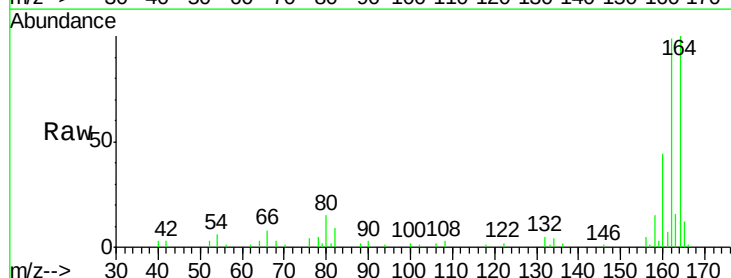


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

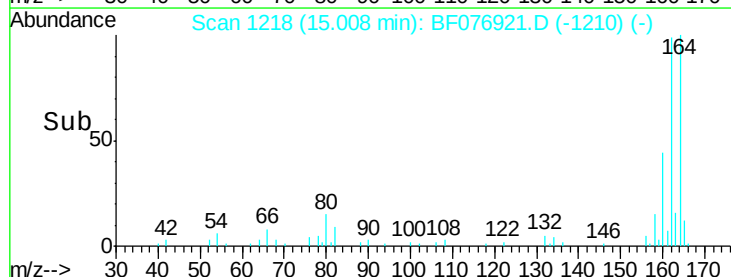
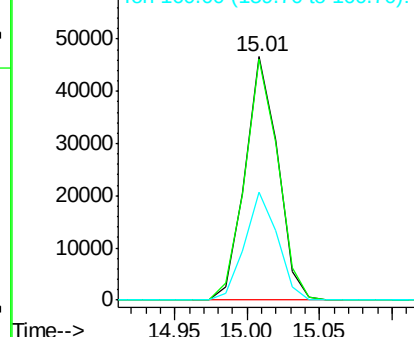


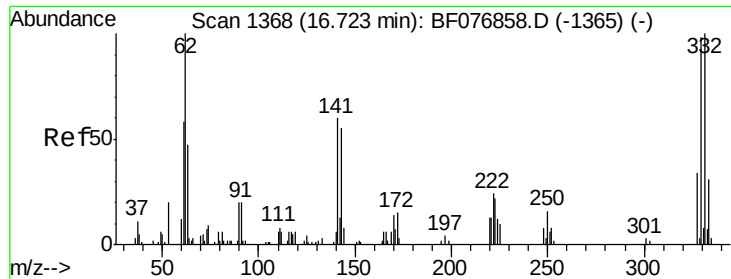
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 15.01 min Scan# 1218  
 Delta R.T. -0.01 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.1  | 82.4  | 123.6 |
| 160     | 44.2  | 34.8  | 52.2  |



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

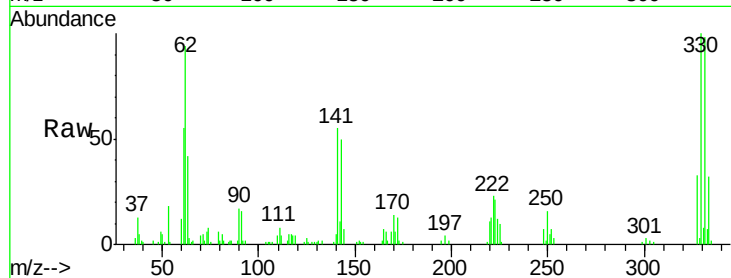




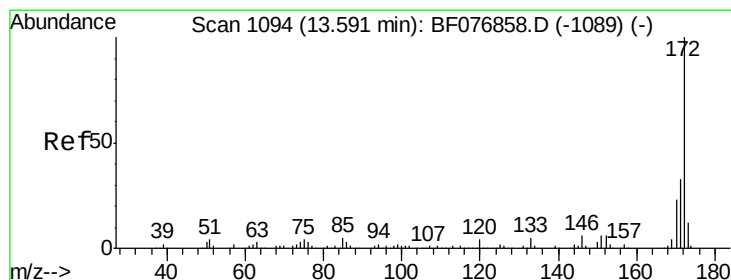
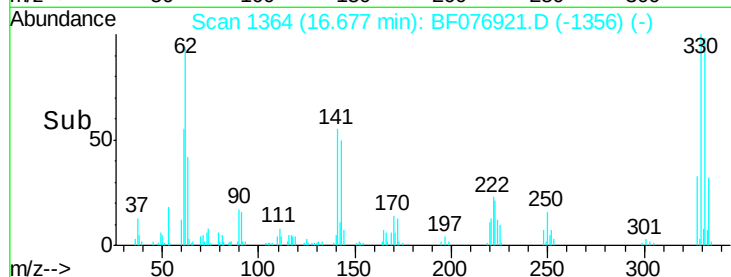
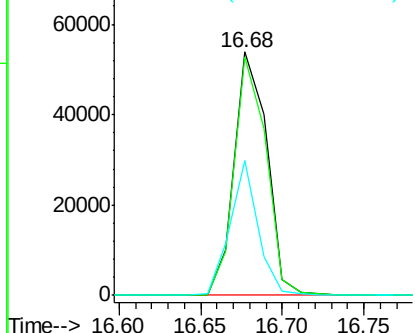
#41  
 2,4,6-Tribromophenol  
 Concen: 125.80 ng  
 RT: 16.68 min Scan# 1364  
 Delta R.T. -0.01 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81373BL

Tot Ion:330 Resp: 74590  
 Ion Ratio Lower Upper  
 330 100  
 332 95.5 77.8 116.6  
 141 47.4 38.5 57.7

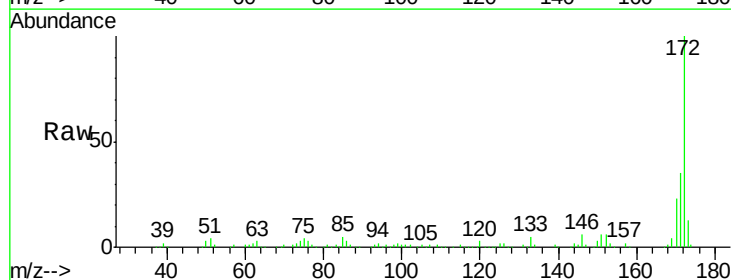


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

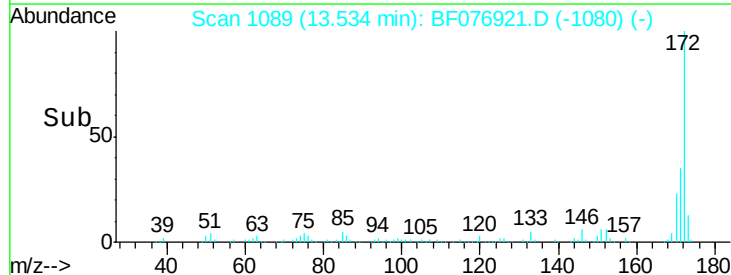
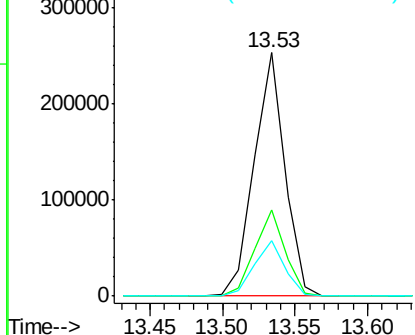


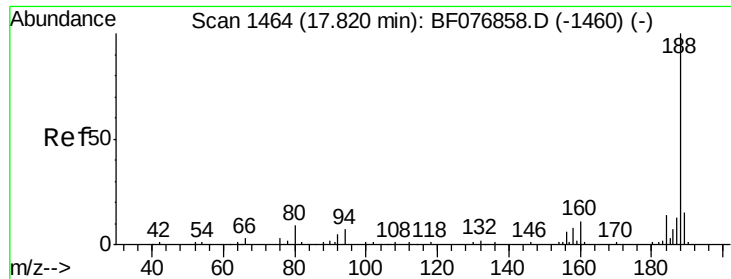
#44  
 2-Fluorobiphenyl  
 Concen: 77.56 ng  
 RT: 13.53 min Scan# 1089  
 Delta R.T. 0.00 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

Tgt Ion:172 Resp: 372285  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 26.6 40.0  
 170 22.9 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

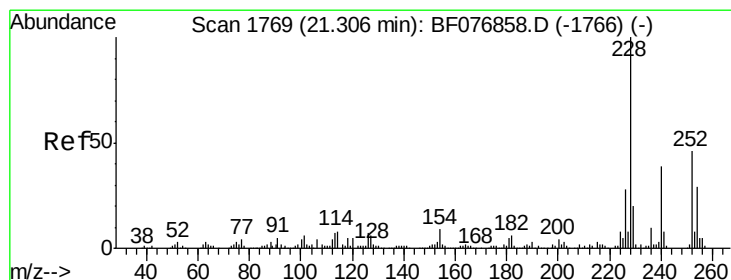
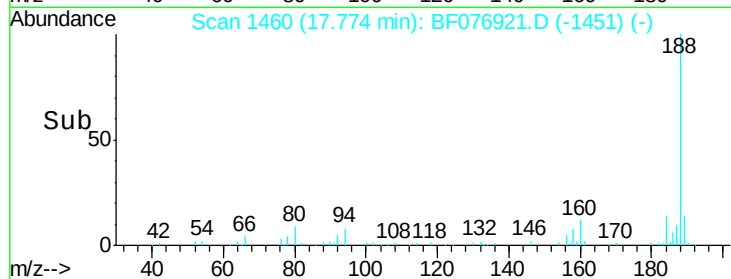
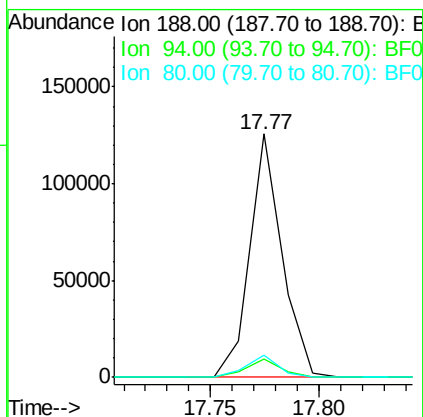
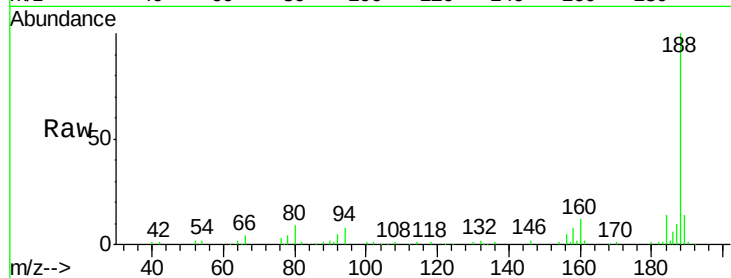




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.77 min Scan# 1460  
 Delta R.T. 0.00 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

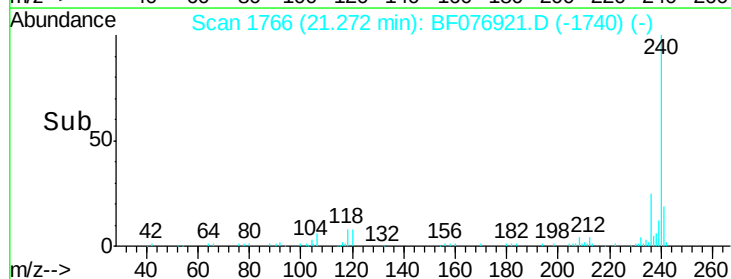
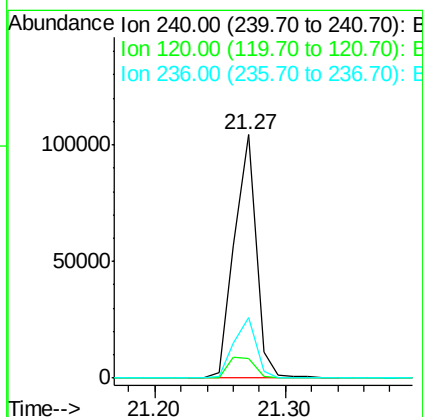
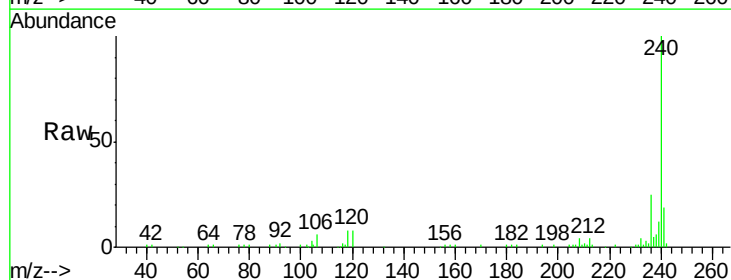
Instrument :  
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 PB81373BL

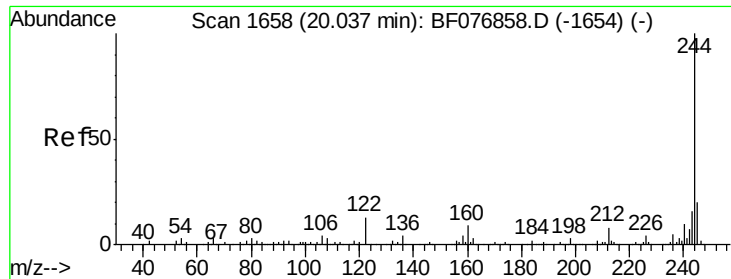
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.7   | 6.0   | 9.0   |
| 80      | 8.9   | 6.9   | 10.3  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.27 min Scan# 1766  
 Delta R.T. 0.00 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 8.3   | 10.4  | 15.6# |
| 236     | 24.7  | 20.2  | 30.2  |

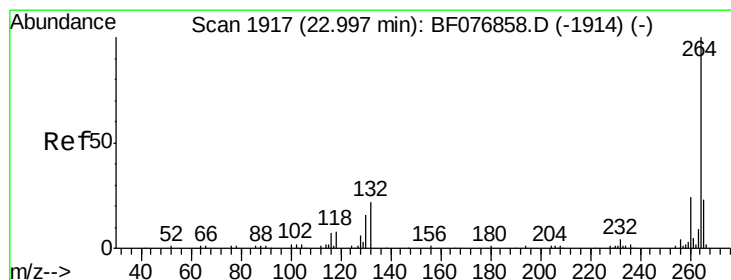
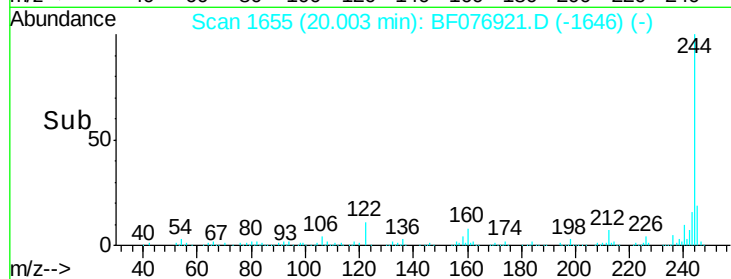
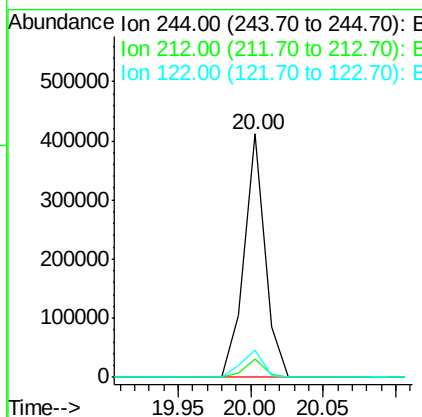
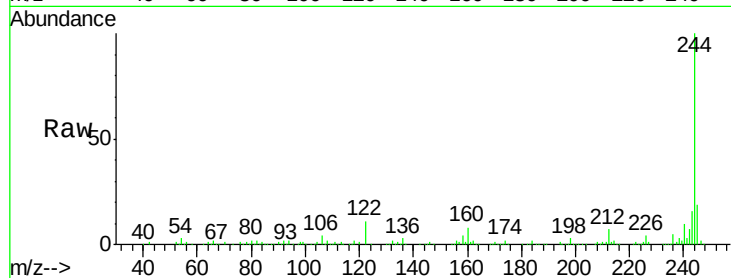




#78  
 Terphenyl-d14  
 Concen: 78.90 ng  
 RT: 20.00 min Scan# 1655  
 Delta R.T. 0.00 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

Instrument :  
 BNA\_F  
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 PB81373BL

Tot Ion:244 Resp: 415737  
 Ion Ratio Lower Upper  
 244 100  
 212 7.3 6.3 9.5  
 122 11.2 10.1 15.1



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.93 min Scan# 1911  
 Delta R.T. -0.02 min  
 Lab File: BF076921.D  
 Acq: 16 Jan 2015 22:31

Tgt Ion:264 Resp: 107692  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.0 28.4  
 265 21.8 18.1 27.1

