

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF021015\  
 Data File : BF077237.D  
 Acq On : 10 Feb 2015 16:22  
 Operator : TP/IZ  
 Sample : PB81682BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81682BL

Quant Time: Feb 11 04:04:05 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF011415.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Feb 10 13:30:38 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.58  | 152  | 38093    | 20.00 | ng    | -0.01    |
| 21) Naphthalene-d8          | 10.50 | 136  | 162895   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.61 | 164  | 95369    | 20.00 | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.51 | 188  | 158860   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12            | 21.01 | 240  | 148131   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12            | 22.67 | 264  | 124306   | 20.00 | ng    | 0.01     |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 4.59  | 112  | 202081   | 87.22 | ng    | 0.00     |
| 7) Phenol-d6                | 7.00  | 99   | 252242   | 86.30 | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 8.90  | 82   | 147652   | 50.22 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.37 | 330  | 53124    | 68.62 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.15 | 172  | 325633   | 51.96 | ng    | -0.01    |
| 78) Terphenyl-d14           | 19.76 | 244  | 362326   | 56.31 | ng    | 0.00     |

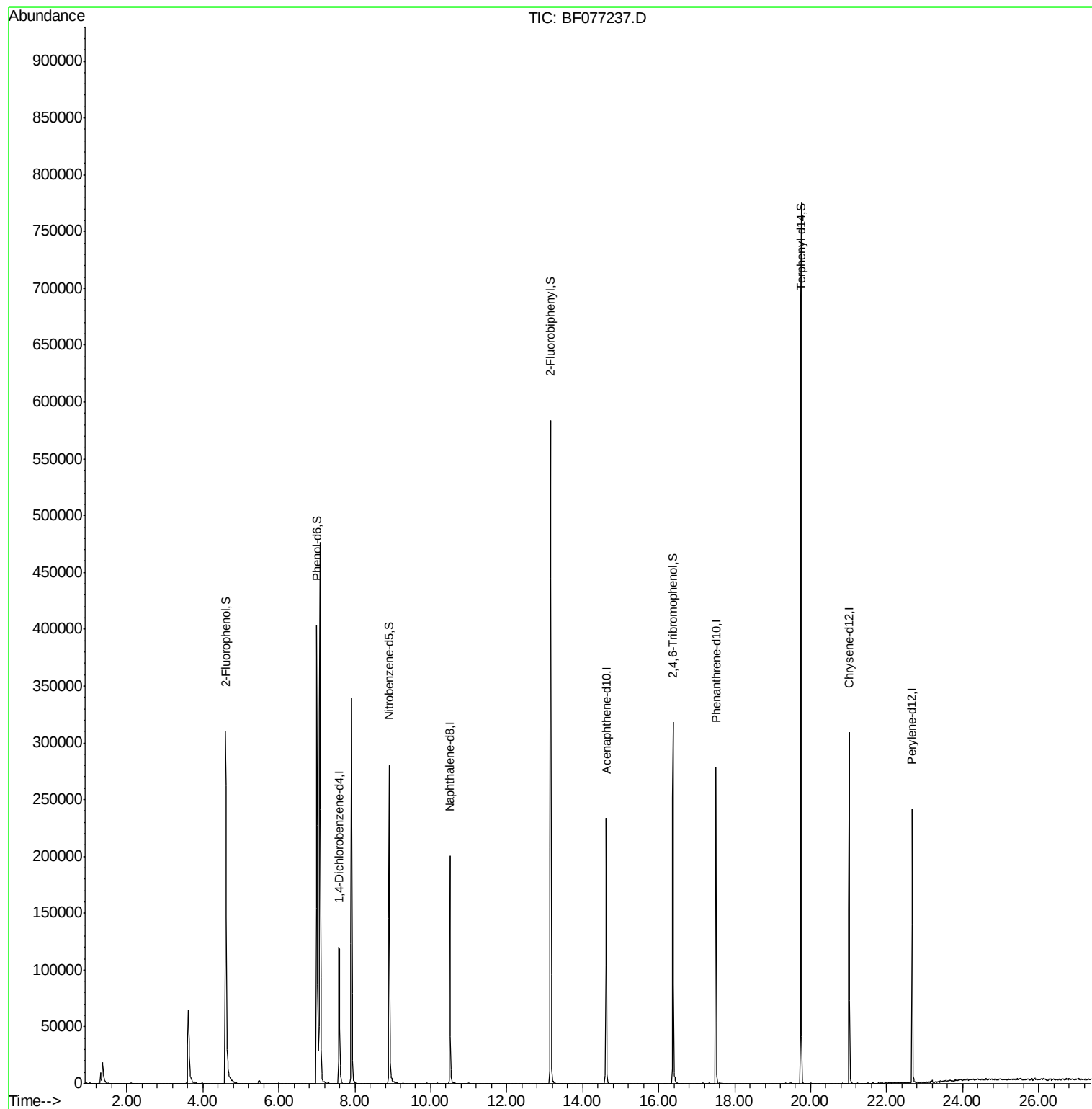
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

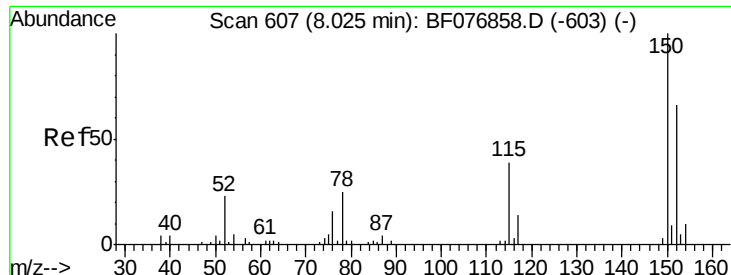
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.58 min Scan# 586

Delta R.T. -0.01 min

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Instrument :

BNA\_F

ClientSampleId :

PB81682BL

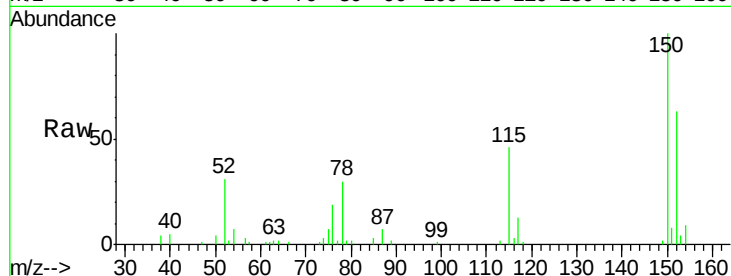
Tgt Ion:152 Resp: 38093

Ion Ratio Lower Upper

152 100

150 158.1 121.7 182.5

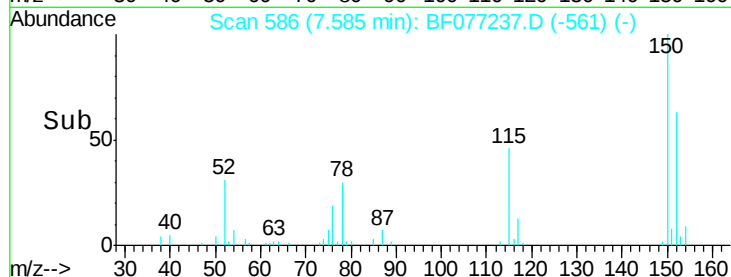
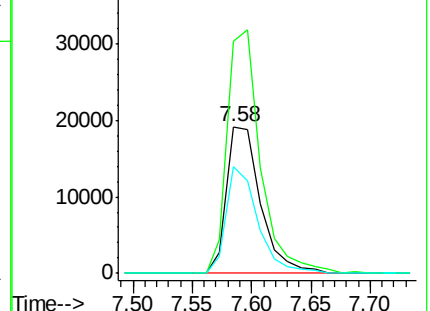
115 72.5 47.0 70.6#



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: 87.22 ng

RT: 4.59 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF077237.D

Acq: 10 Feb 2015 16:22

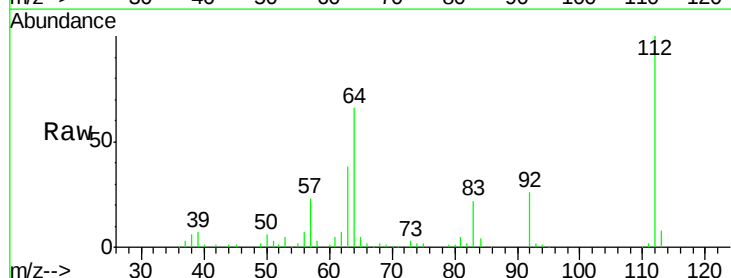
Tgt Ion:112 Resp: 202081

Ion Ratio Lower Upper

112 100

64 66.1 54.2 81.4

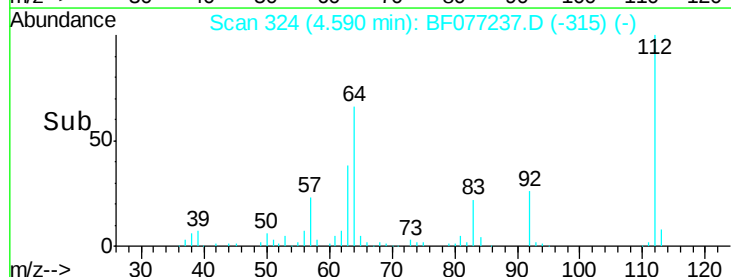
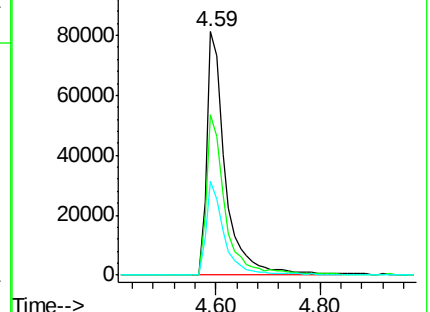
63 38.4 28.4 42.6



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: 86.30 ng

RT: 7.00 min Scan# 535

Delta R.T. -0.01 min

Lab File: BF077237.D

Acq: 10 Feb 2015 16:22

Instrument :

BNA\_F

ClientSampleId :

PB81682BL

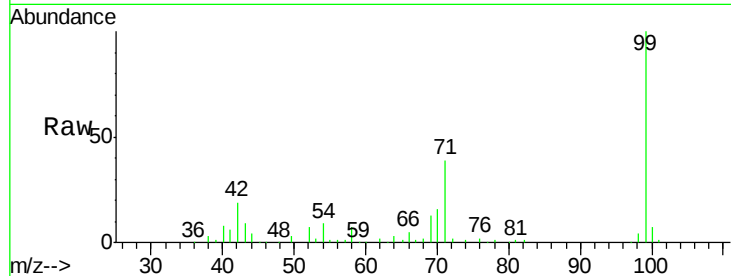
Tgt Ion: 99 Resp: 252242

Ion Ratio Lower Upper

99 100

42 18.5 15.0 22.4

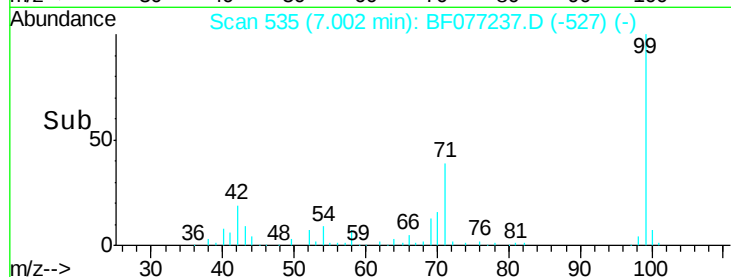
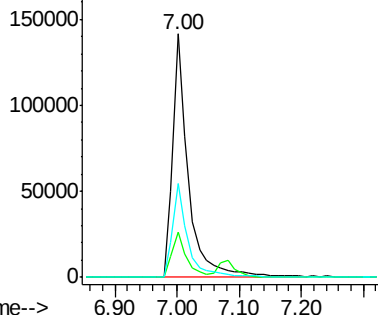
71 38.7 30.5 45.7



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: 10.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF077237.D

Acq: 10 Feb 2015 16:22

Tgt Ion: 136 Resp: 162895

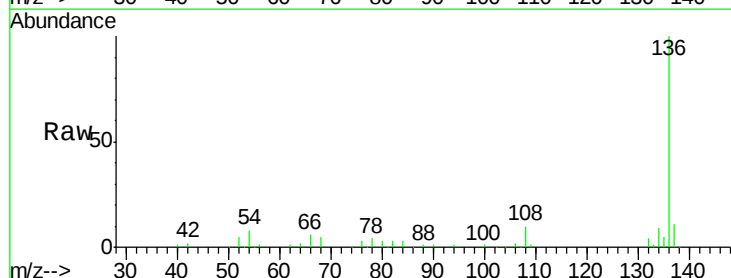
Ion Ratio Lower Upper

136 100

137 10.9 8.1 12.1

54 8.2 7.0 10.4

68 4.6 3.7 5.5

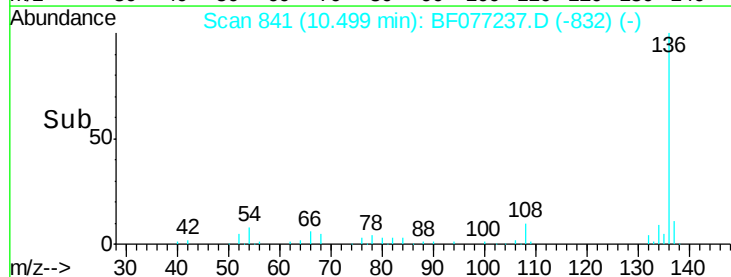
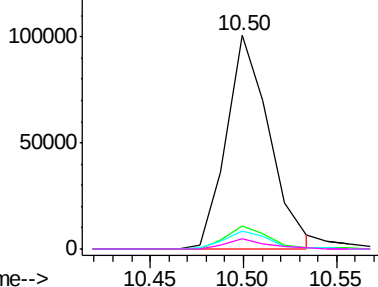


Abundance Ion 136.00 (135.70 to 136.70): E

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

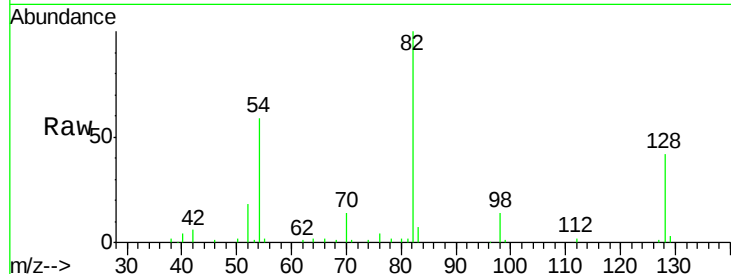




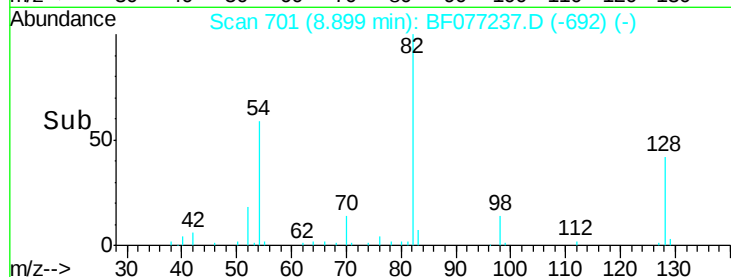
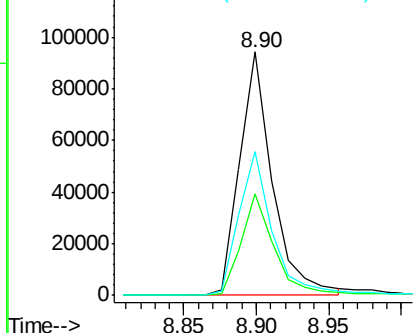
#23  
 Nitrobenzene-d5  
 Concen: 50.22 ng  
 RT: 8.90 min Scan# 701  
 Delta R.T. 0.00 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81682BL

Tgt Ion: 82 Resp: 147652  
 Ion Ratio Lower Upper  
 82 100  
 128 41.8 33.1 49.7  
 54 59.3 48.3 72.5

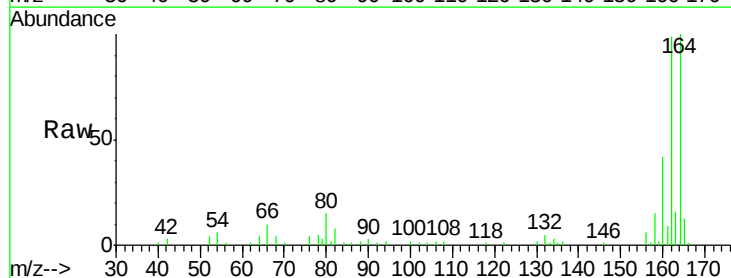


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

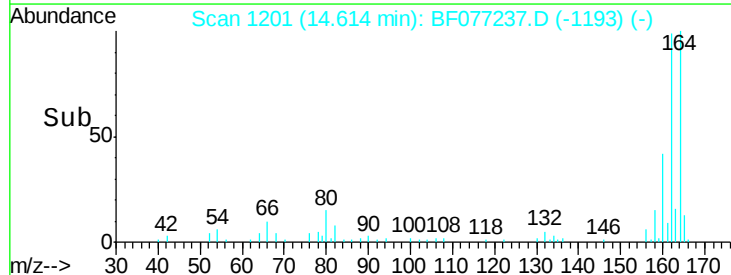
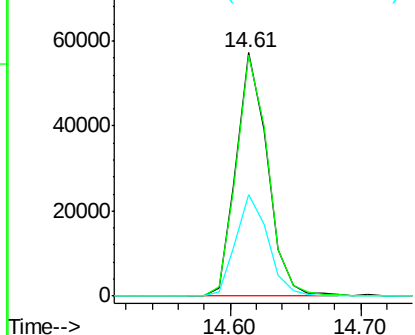


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.61 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

Tgt Ion: 164 Resp: 95369  
 Ion Ratio Lower Upper  
 164 100  
 162 99.0 82.4 123.6  
 160 41.7 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

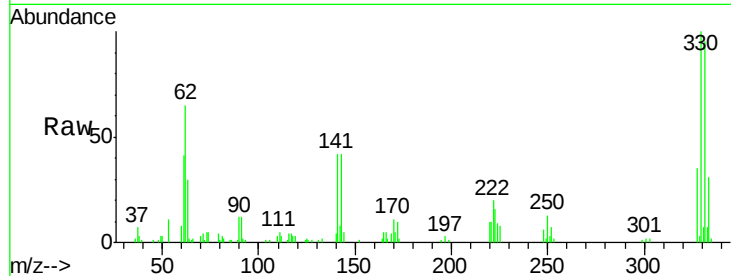




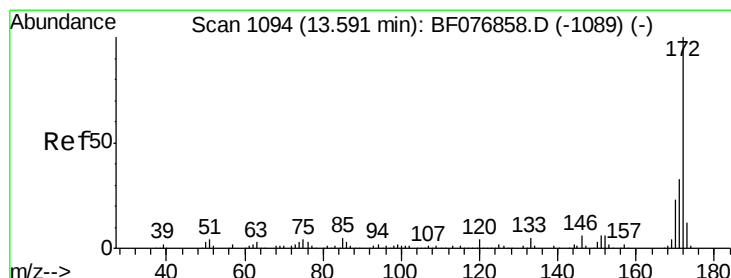
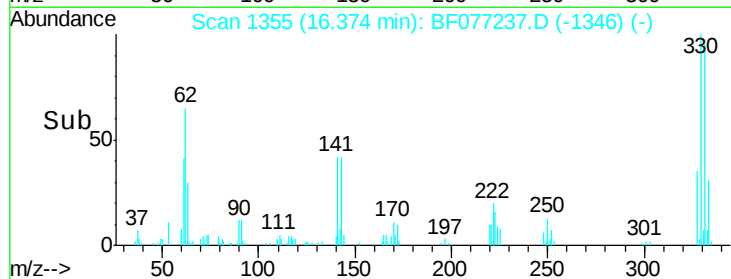
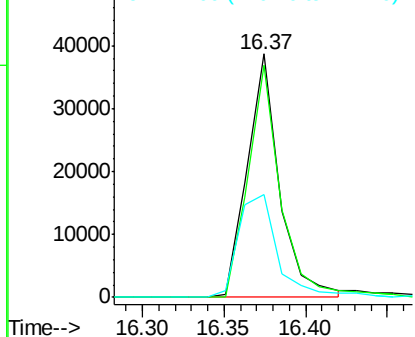
#41  
 2,4,6-Tribromophenol  
 Concen: 68.62 ng  
 RT: 16.37 min Scan# 1355  
 Delta R.T. 0.00 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81682BL

Tgt Ion: 330 Resp: 53124  
 Ion Ratio Lower Upper  
 330 100  
 332 94.8 77.8 116.6  
 141 51.1 38.5 57.7

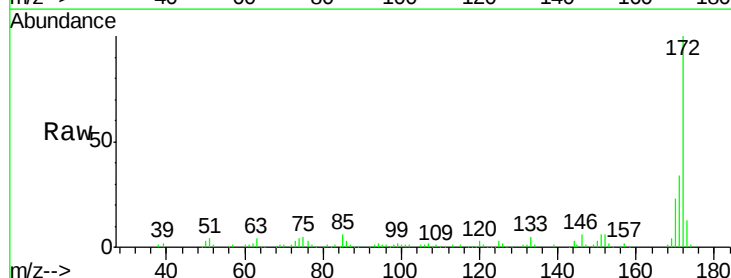


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

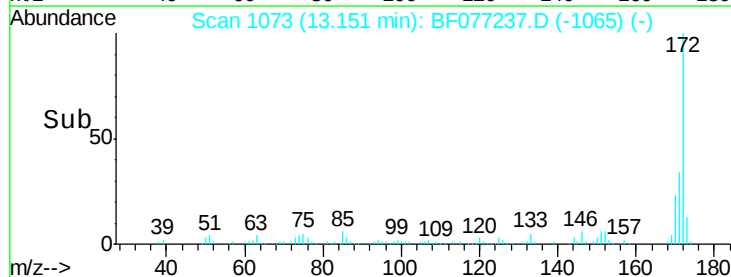
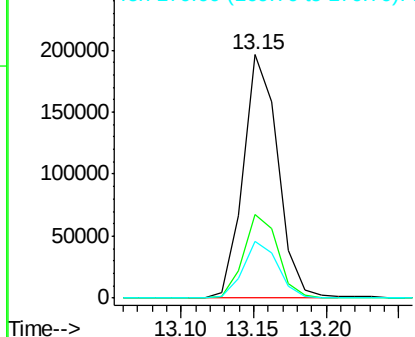


#44  
 2-Fluorobiphenyl  
 Concen: 51.96 ng  
 RT: 13.15 min Scan# 1073  
 Delta R.T. -0.01 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

Tgt Ion: 172 Resp: 325633  
 Ion Ratio Lower Upper  
 172 100  
 171 34.4 26.6 40.0  
 170 23.2 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

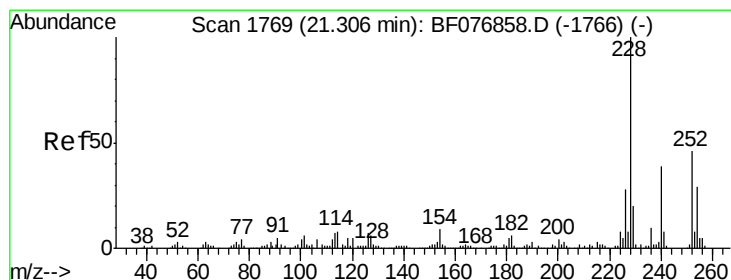
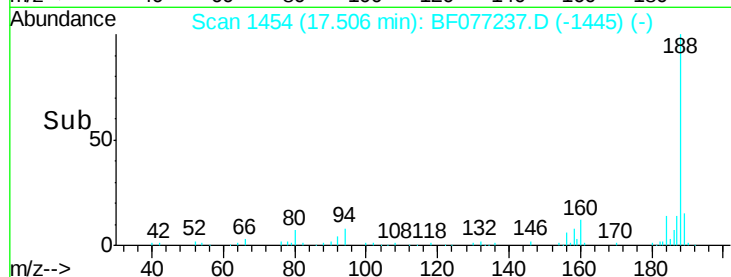
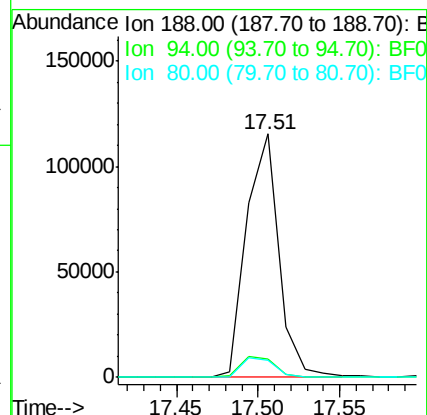
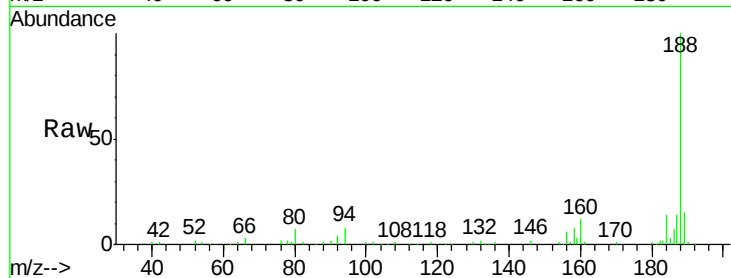




#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.51 min Scan# 1454  
 Delta R.T. 0.00 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

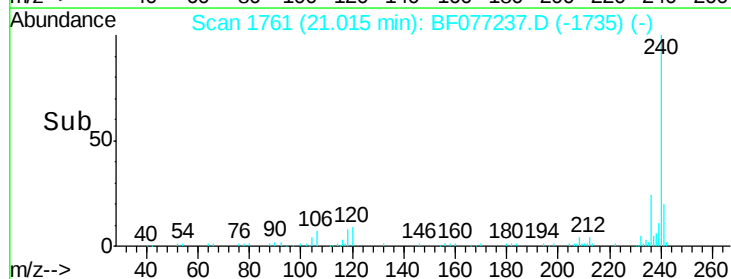
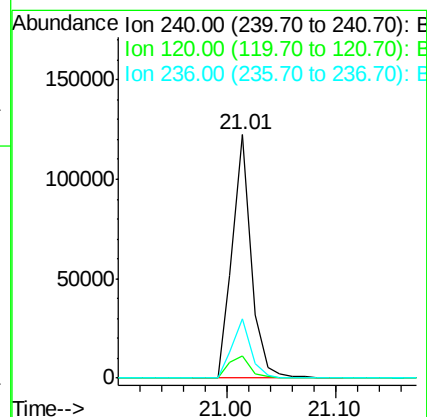
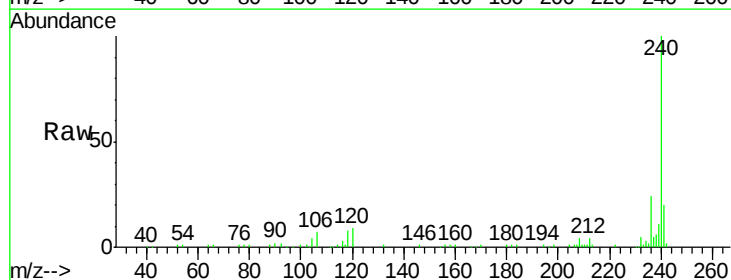
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB81682BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.6   | 6.0   | 9.0   |
| 80      | 6.9   | 6.9   | 10.3  |



#75  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.01 min Scan# 1761  
 Delta R.T. 0.00 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.3   | 10.4  | 15.6# |
| 236     | 24.2  | 20.2  | 30.2  |

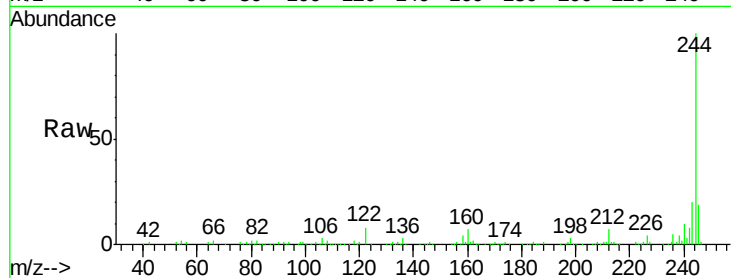




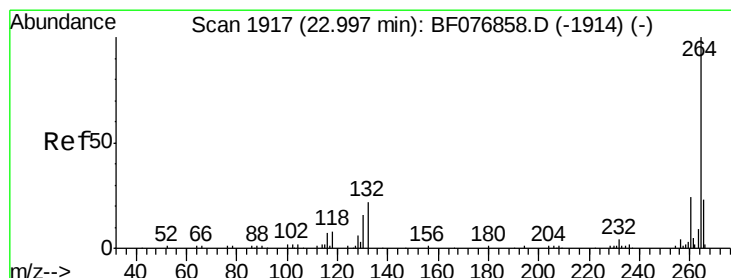
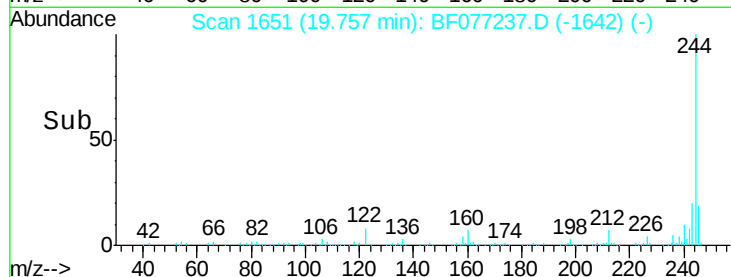
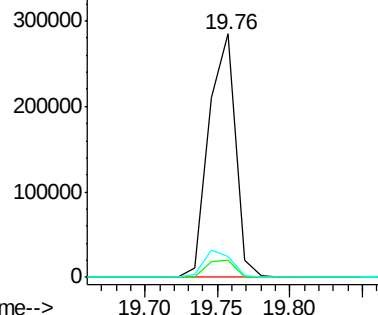
#78  
 Terphenyl-d14  
 Concen: 56.31 ng  
 RT: 19.76 min Scan# 1651  
 Delta R.T. 0.00 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

Instrument :  
 BNA\_F  
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 PB81682BL

Tgt Ion:244 Resp: 362326  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 6.3 9.5  
 122 8.5 10.1 15.1#

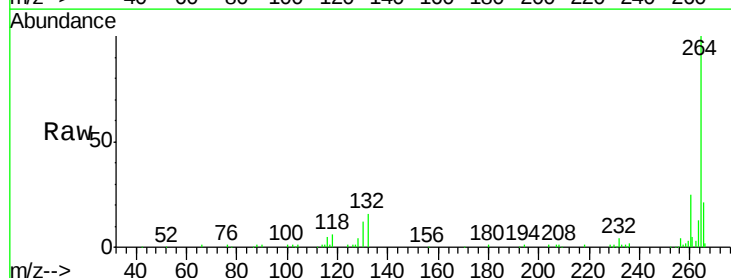


Abundance Ion 244.00 (243.70 to 244.70): E  
 Ion 212.00 (211.70 to 212.70): E  
 Ion 122.00 (121.70 to 122.70): E



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 22.67 min Scan# 1906  
 Delta R.T. 0.01 min  
 Lab File: BF077237.D  
 Acq: 10 Feb 2015 16:22

Tgt Ion:264 Resp: 124306  
 Ion Ratio Lower Upper  
 264 100  
 260 24.5 19.0 28.4  
 265 21.3 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

