

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032015\  
 Data File : BF077869.D  
 Acq On : 20 Mar 2015 18:01  
 Operator : TP/IZ  
 Sample : G1604-04  
 Misc : W/DOD  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z2-0119

Quant Time: Mar 21 00:34:02 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 20 23:52:05 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.13  | 152  | 52409    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.70  | 136  | 209121   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.86 | 164  | 102575   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 12.71 | 188  | 203288   | 20.00  | ng    | -0.01    |
| 75) Chrysene-d12            | 15.99 | 240  | 199016   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 17.72 | 264  | 190374   | 20.00  | ng    | -0.11    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.41  | 112  | 131116   | 43.67  | ng    | 0.00     |
| 7) Phenol-d6                | 6.70  | 99   | 89866    | 24.23  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.82  | 82   | 266859   | 83.65  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.85 | 330  | 106824   | 108.85 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.05 | 172  | 589568   | 84.47  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.71 | 244  | 574968   | 70.57  | ng    | 0.00     |

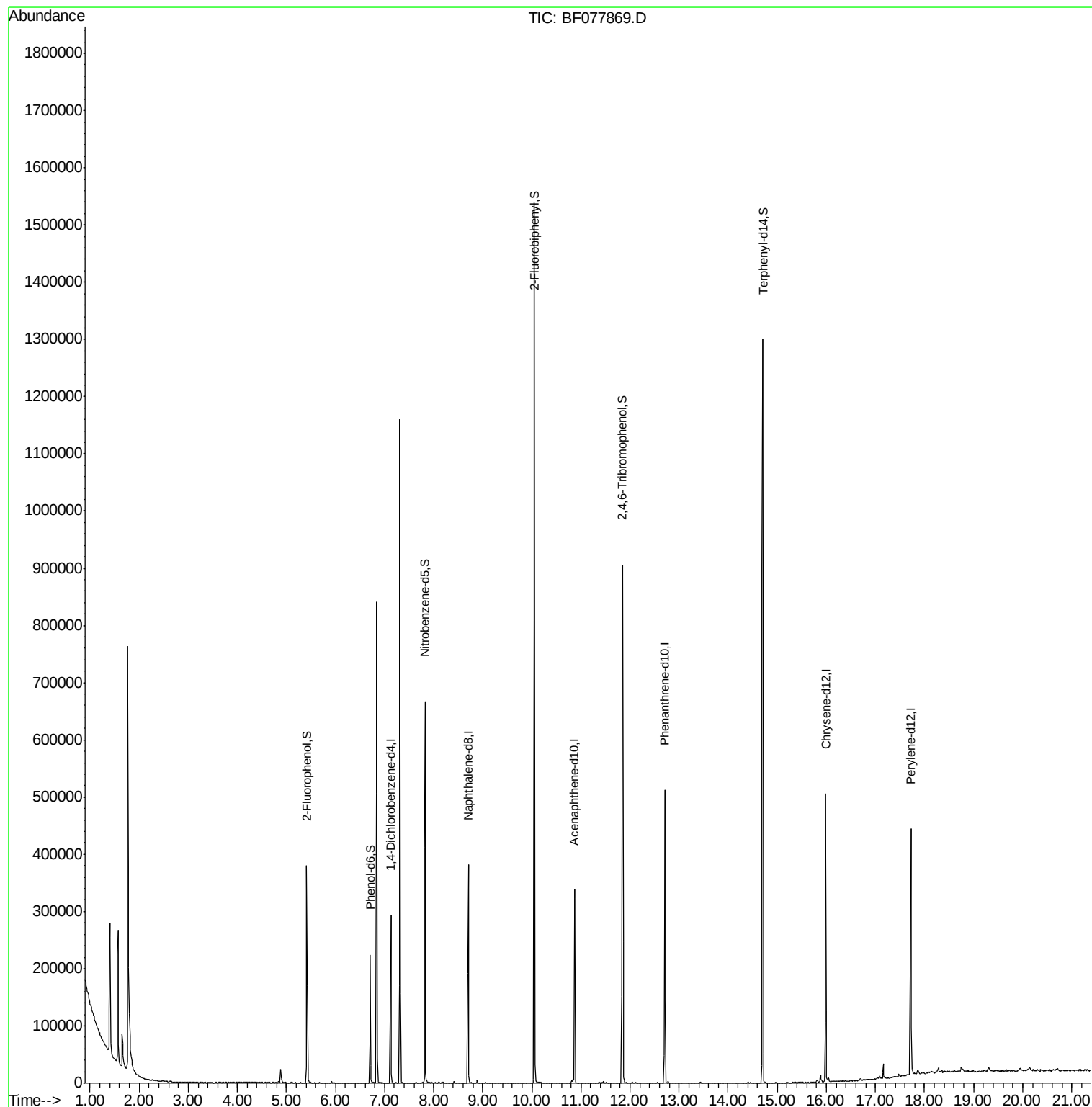
Target Compounds Qvalue

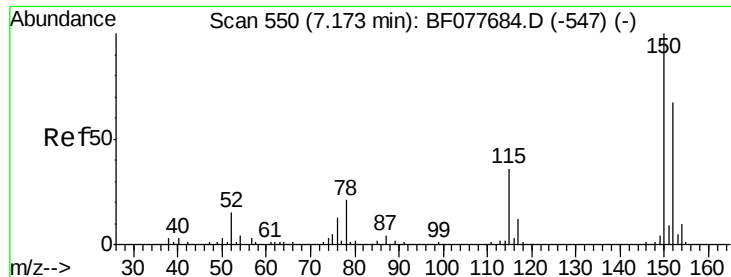
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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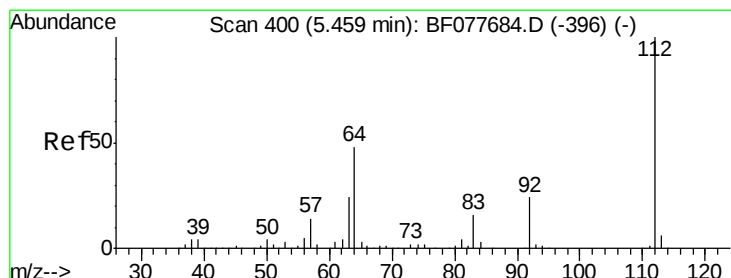
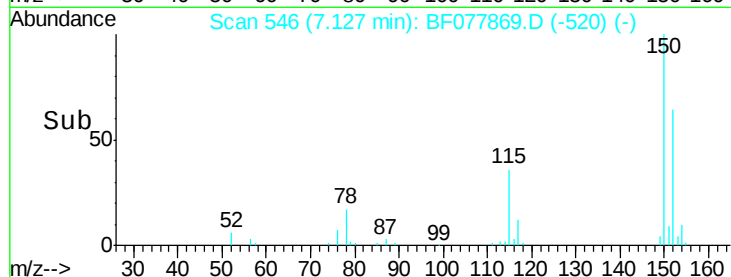
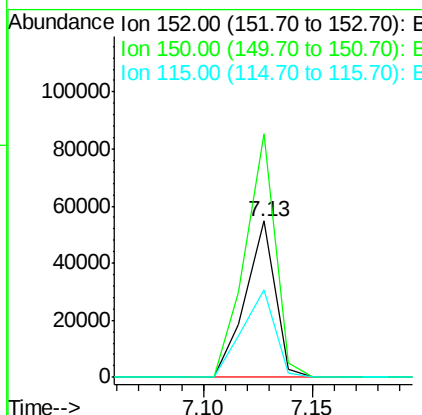
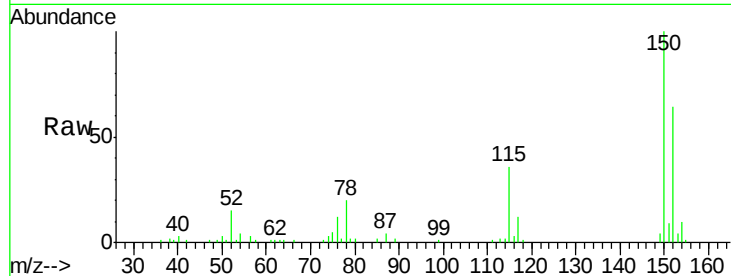


#1

1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.13 min Scan# 546  
 Delta R.T. -0.00 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

Instrument :  
 BNA\_F  
 ClientSampled :  
 Z2-0119

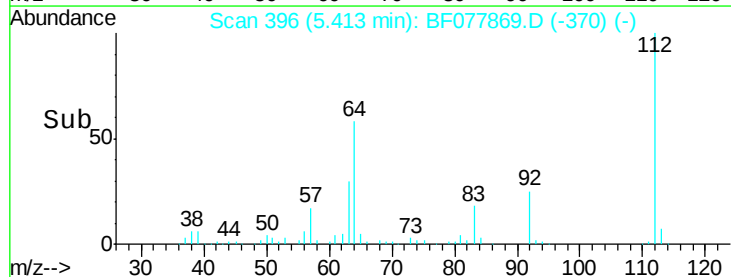
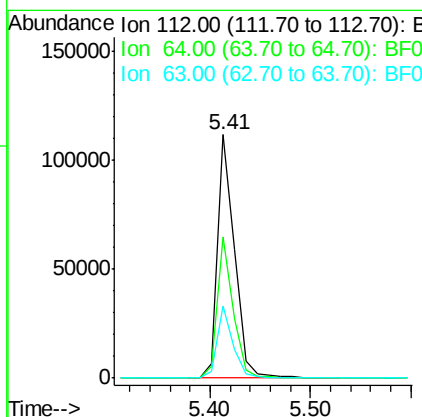
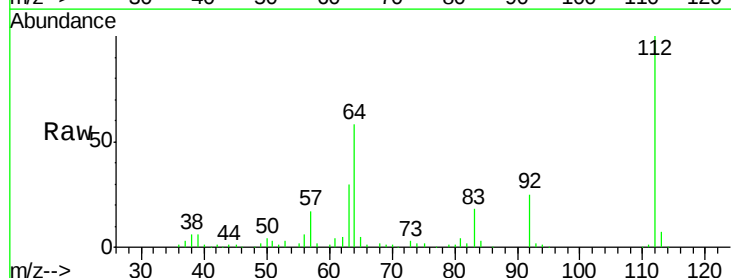
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.6 | 119.5 | 179.3 |
| 115     | 56.3  | 43.0  | 64.4  |



#5

2-Fluorophenol  
 Concen: 43.67 ng  
 RT: 5.41 min Scan# 396  
 Delta R.T. -0.00 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 58.1  | 38.6  | 57.8# |
| 63      | 29.6  | 19.3  | 28.9# |





#7

Phenol-d6

Concen: 24.23 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.00 min

Lab File: BF077869.D

Acq: 20 Mar 2015 18:01

Instrument :

BNA\_F

ClientSampleId :

Z2-0119

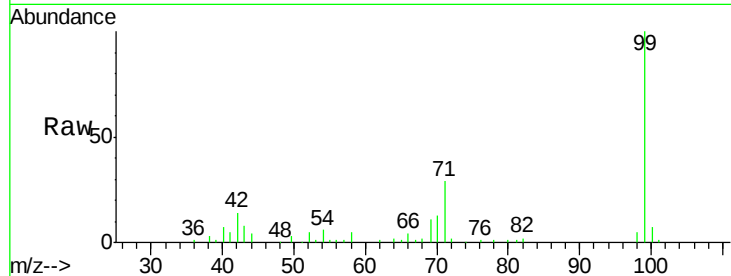
Tot Ion: 99 Resp: 89866

Ion Ratio Lower Upper

99 100

42 14.4 11.0 16.4

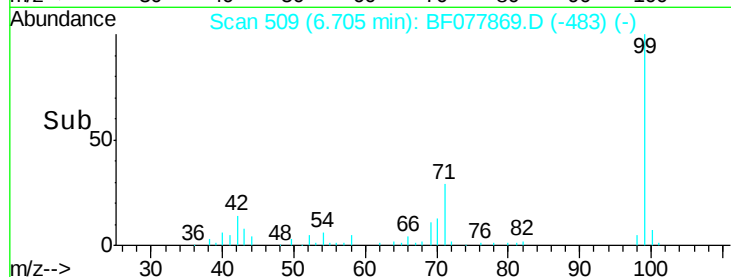
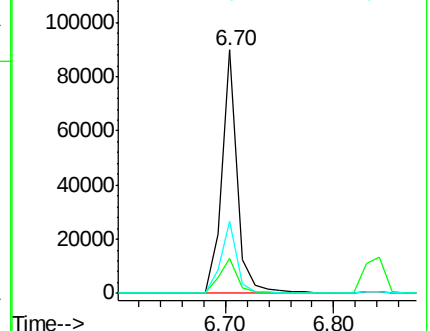
71 29.5 23.4 35.2



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: 8.70 min Scan# 684

Delta R.T. -0.00 min

Lab File: BF077869.D

Acq: 20 Mar 2015 18:01

Tgt Ion: 136 Resp: 209121

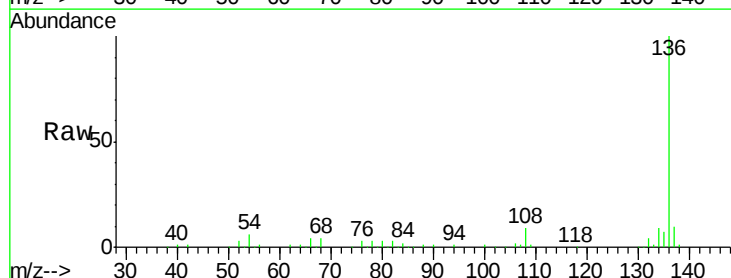
Ion Ratio Lower Upper

136 100

137 10.1 8.7 13.1

54 5.8 4.6 6.8

68 4.5 3.7 5.5

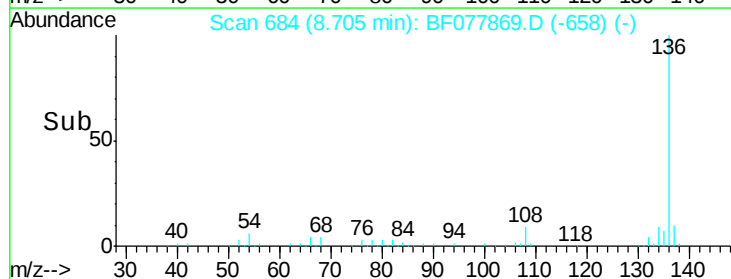
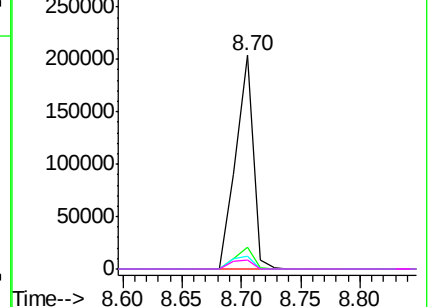


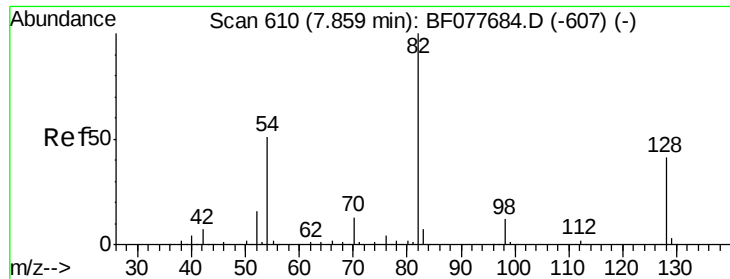
Abundance Ion 136.00 (135.70 to 136.70): E

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

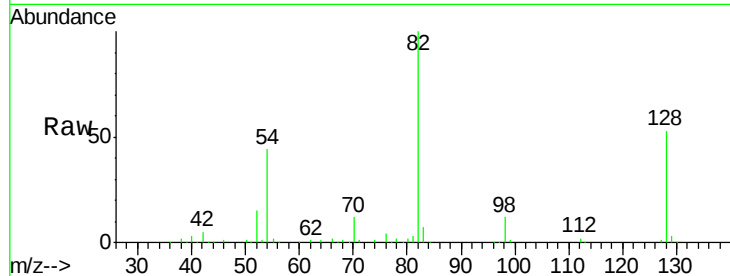




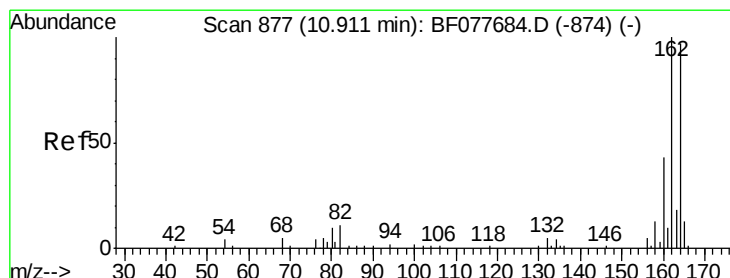
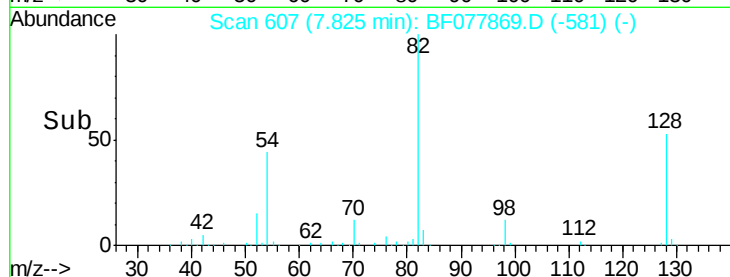
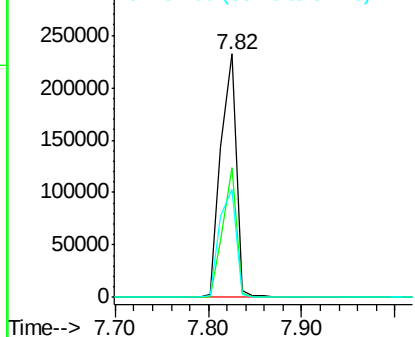
#23  
 Nitrobenzene-d5  
 Concen: 83.65 ng  
 RT: 7.82 min Scan# 607  
 Delta R.T. -0.00 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z2-0119

Tot Ion: 82 Resp: 266859  
 Ion Ratio Lower Upper  
 82 100  
 128 53.1 32.8 49.2#  
 54 44.1 40.6 60.8

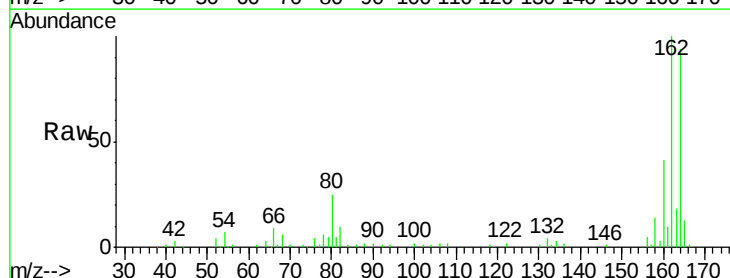


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

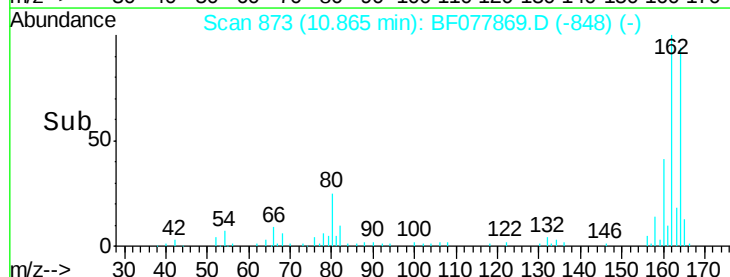
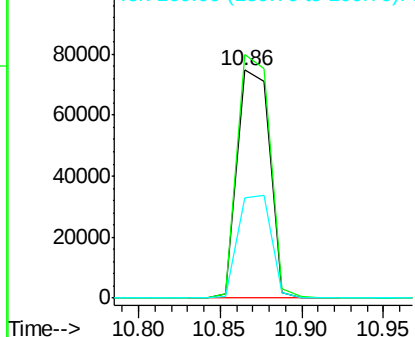


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.86 min Scan# 873  
 Delta R.T. -0.01 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

Tgt Ion:164 Resp: 102575  
 Ion Ratio Lower Upper  
 164 100  
 162 106.8 82.4 123.6  
 160 44.2 35.8 53.6



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

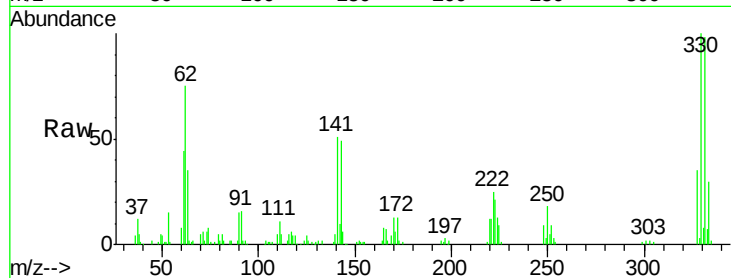




#41  
 2,4,6-Tribromophenol  
 Concen: 108.85 ng  
 RT: 11.85 min Scan# 959  
 Delta R.T. -0.01 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z2-0119

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 98.0  | 0.0   | 0.0#  |
| 141     | 40.7  | 0.0   | 0.0#  |

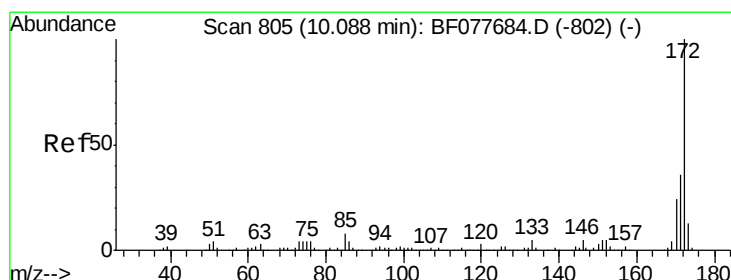
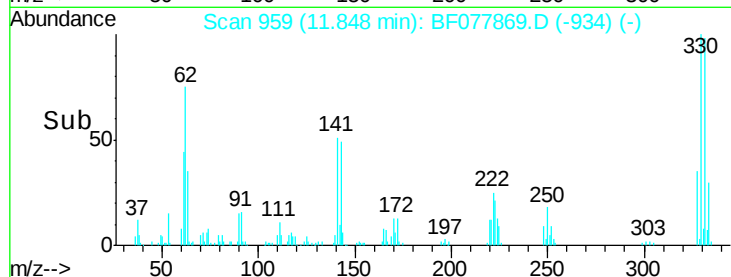
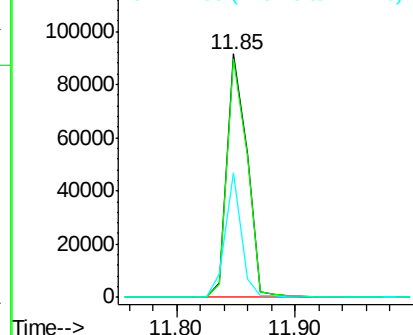


Abundance

Ion 329.80 (329.50 to 330.50): E

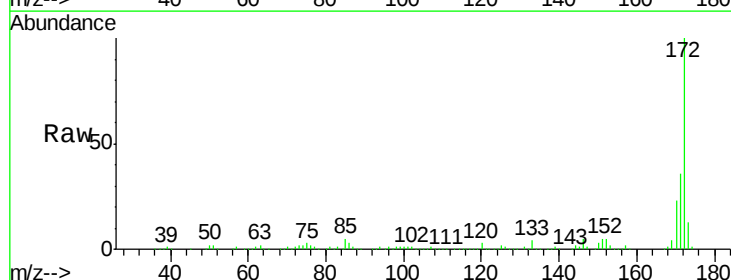
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44  
 2-Fluorobiphenyl  
 Concen: 84.47 ng  
 RT: 10.05 min Scan# 802  
 Delta R.T. -0.00 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 28.5  | 42.7  |
| 170     | 23.3  | 18.8  | 28.2  |

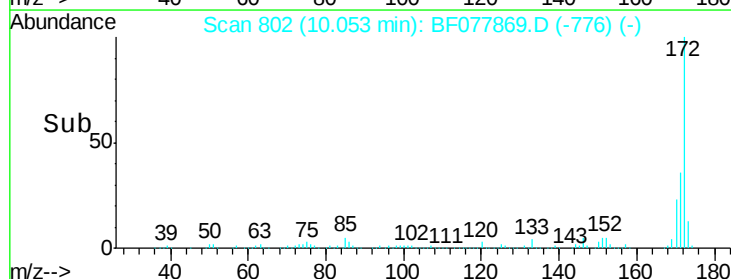
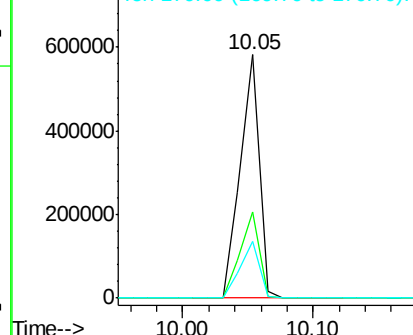


Abundance

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

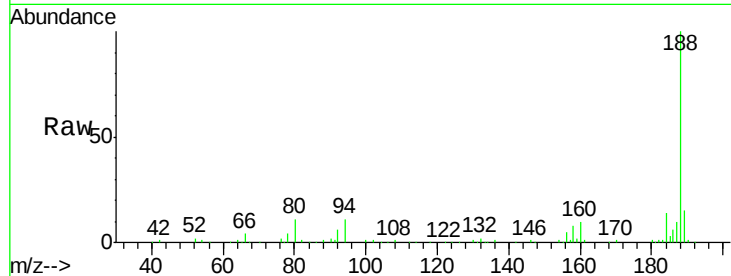




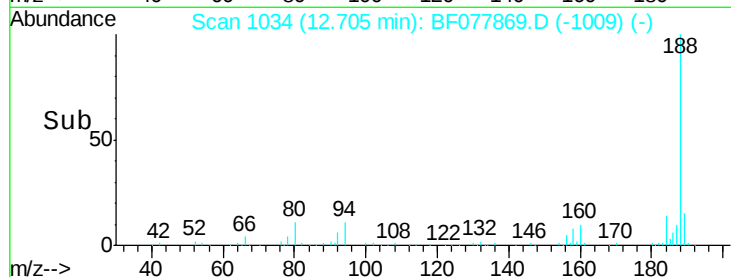
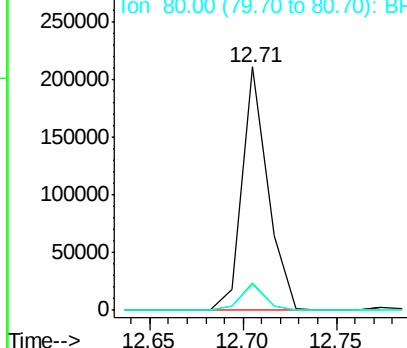
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.71 min Scan# 1034  
Delta R.T. -0.01 min  
Lab File: BF077869.D  
Acq: 20 Mar 2015 18:01

Instrument :  
BNA\_F  
ClientSampled :  
Z2-0119

Tot Ion:188 Resp: 203288  
Ion Ratio Lower Upper  
188 100  
94 11.1 8.7 13.1  
80 10.7 9.3 13.9

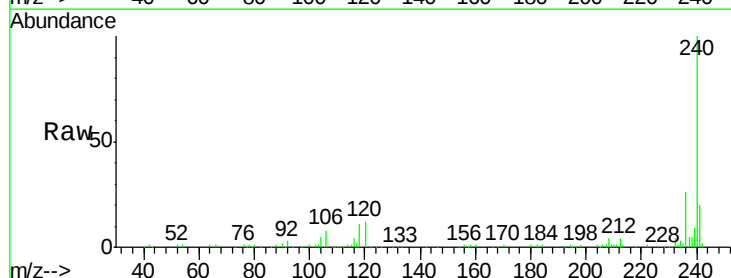


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

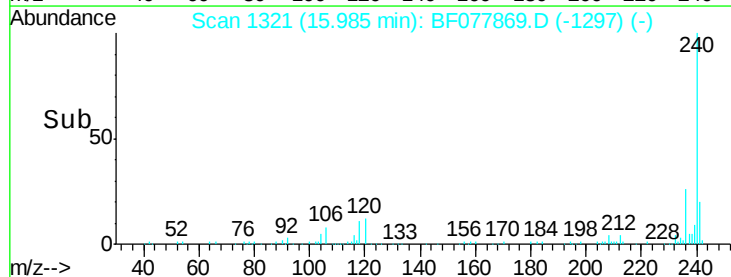
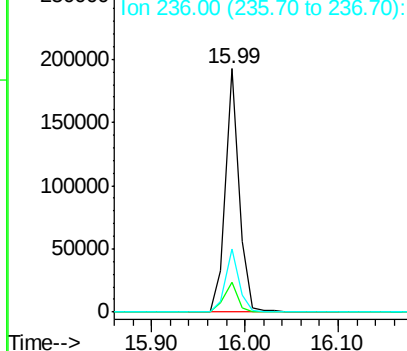


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 15.99 min Scan# 1321  
Delta R.T. -0.02 min  
Lab File: BF077869.D  
Acq: 20 Mar 2015 18:01

Tgt Ion:240 Resp: 199016  
Ion Ratio Lower Upper  
240 100  
120 12.3 8.2 12.2#  
236 25.9 20.0 30.0



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



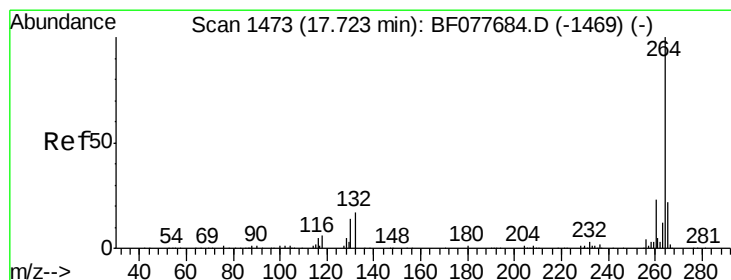
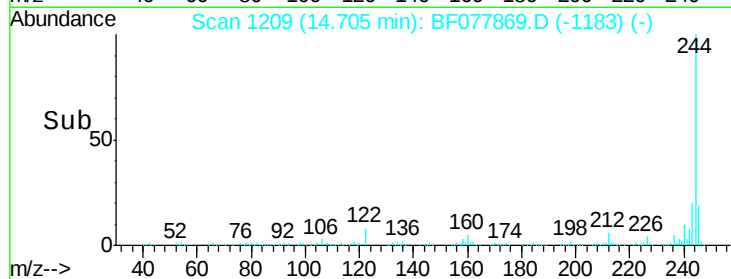
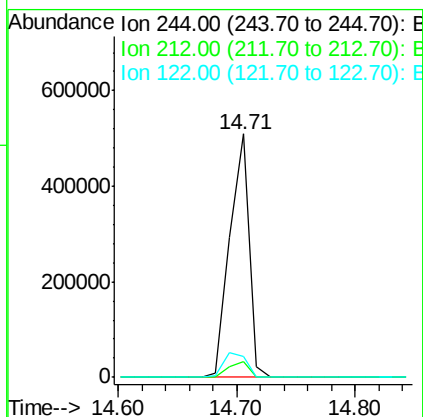
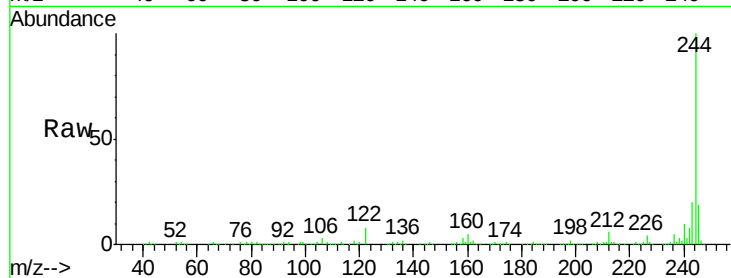


#78  
 Terphenyl-d14  
 Concen: 70.57 ng  
 RT: 14.71 min Scan# 1209  
 Delta R.T. -0.00 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

Instrument :  
 BNA\_F  
 ClientSampleId :  
 Z2-0119

Tot Ion:244 Resp: 574968  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 6.3   | 4.9   | 7.3   |
| 122 | 8.3   | 6.2   | 9.4   |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.72 min Scan# 1473  
 Delta R.T. -0.11 min  
 Lab File: BF077869.D  
 Acq: 20 Mar 2015 18:01

Tgt Ion:264 Resp: 190374  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 23.1  | 18.6  | 27.8  |
| 265 | 21.0  | 17.3  | 25.9  |

