

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\  
 Data File : BF080977.D  
 Acq On : 13 Aug 2015 12:38  
 Operator : UM/IZ  
 Sample : PB84980BL  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84980BL

Quant Time: Aug 14 01:10:01 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Aug 08 01:33:05 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 6.75  | 152  | 46228    | 20.00  | ng    | -0.06    |
| 21) Naphthalene-d8          | 8.03  | 136  | 196300   | 20.00  | ng    | -0.07    |
| 38) Acenaphthene-d10        | 9.78  | 164  | 80729    | 20.00  | ng    | -0.07    |
| 63) Phenanthrene-d10        | 11.25 | 188  | 134500   | 20.00  | ng    | -0.07    |
| 75) Chrysene-d12            | 13.88 | 240  | 140696   | 20.00  | ng    | -0.08    |
| 86) Perylene-d12            | 15.27 | 264  | 95603    | 20.00  | ng    | -0.09    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.34  | 112  | 321984   | 113.80 | ng    | -0.03    |
| 7) Phenol-d6                | 6.38  | 99   | 422086   | 108.87 | ng    | -0.06    |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 248604   | 59.90  | ng    | -0.07    |
| 41) 2,4,6-Tribromophenol    | 10.57 | 330  | 58484    | 65.94  | ng    | -0.07    |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 488653   | 85.21  | ng    | -0.07    |
| 78) Terphenyl-d14           | 12.84 | 244  | 352273   | 51.72  | ng    | -0.07    |

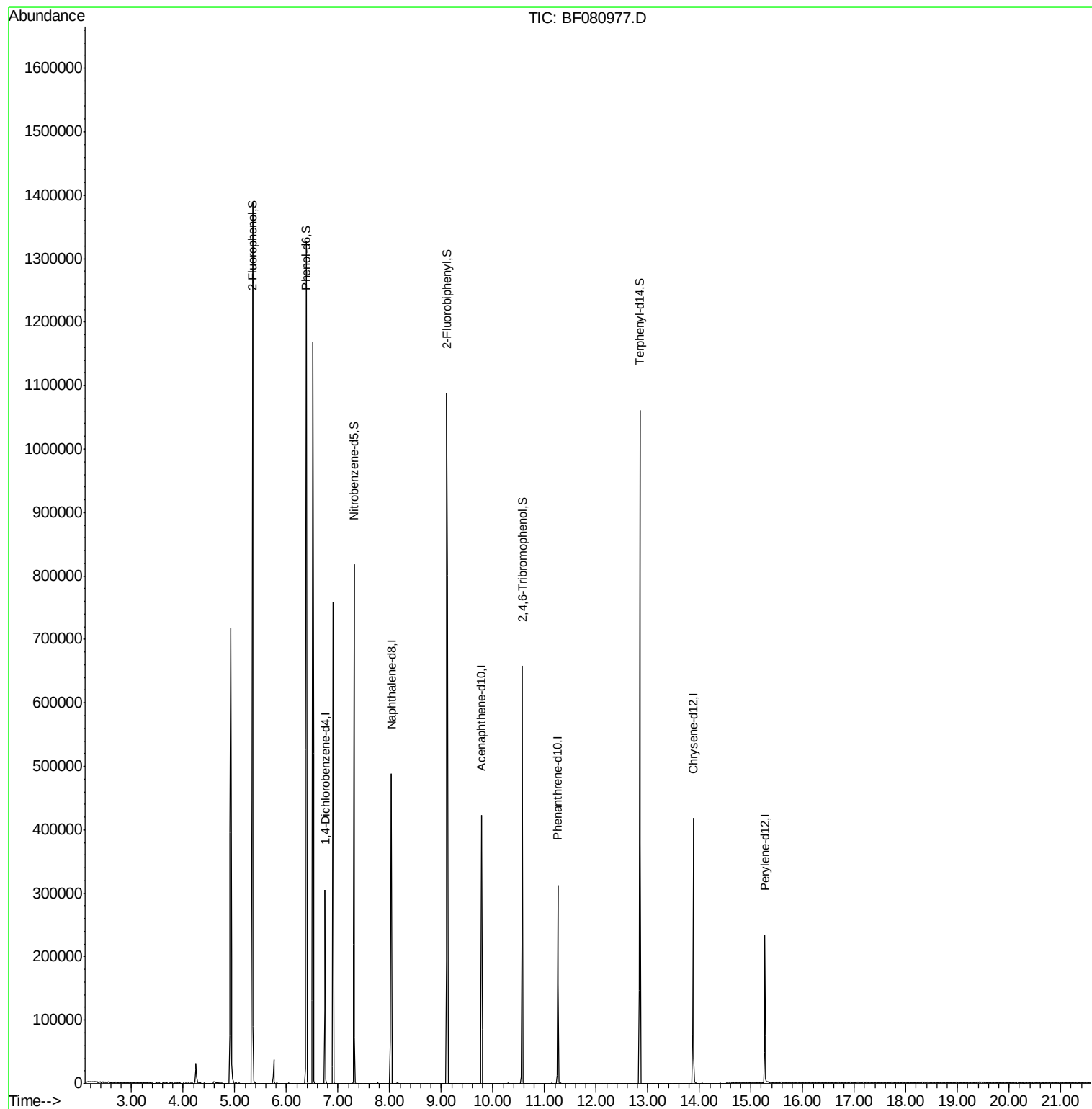
Target Compounds Qvalue

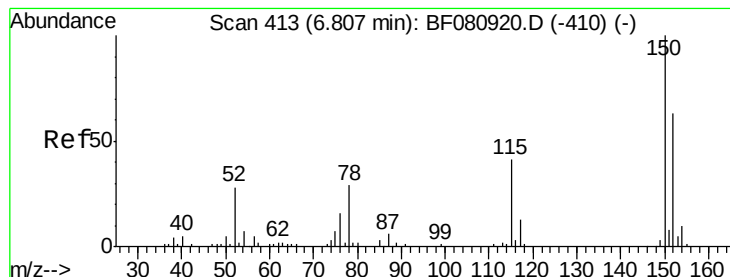
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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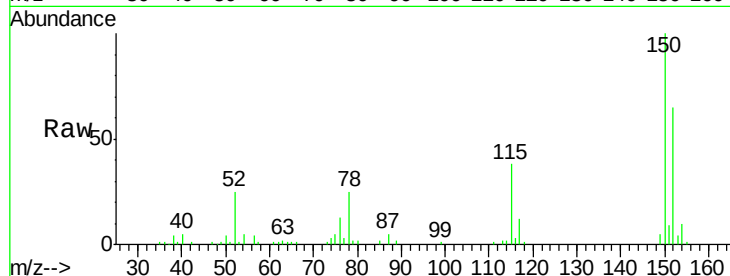


#1

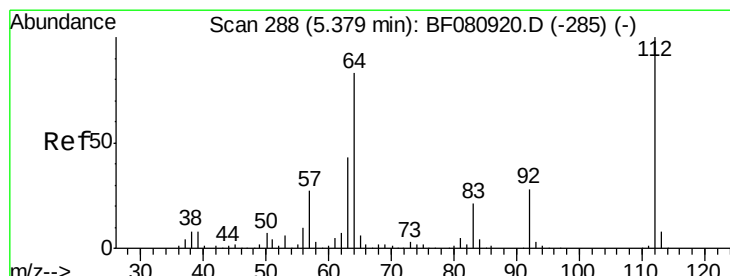
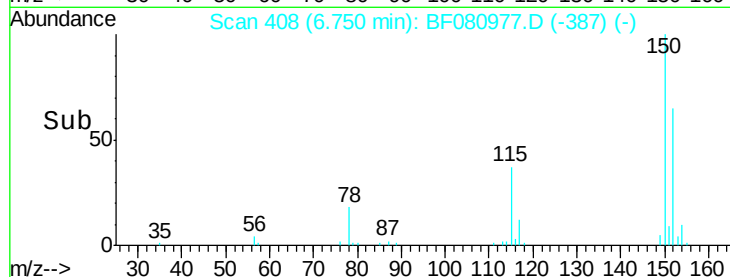
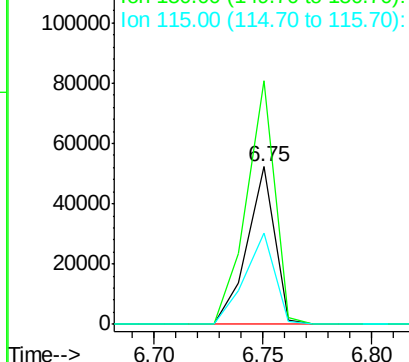
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.75 min Scan# 408  
Delta R.T. -0.06 min  
Lab File: BF080977.D  
Acq: 13 Aug 2015 12:38

Instrument :  
BNA\_F  
ClientSampleId :  
PB84980BL

Tot Ion:152 Resp: 46228  
Ion Ratio Lower Upper  
152 100  
150 154.7 127.4 191.2  
115 58.4 52.6 78.8



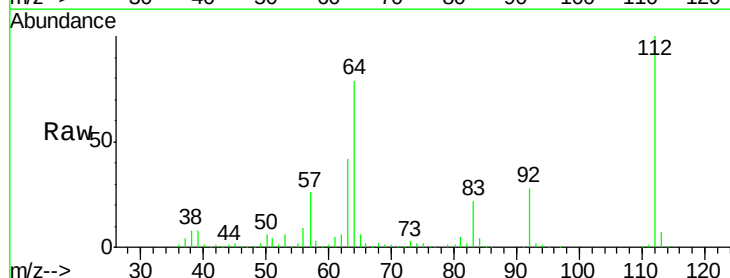
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



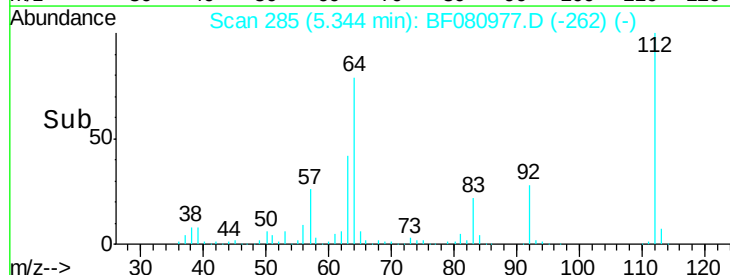
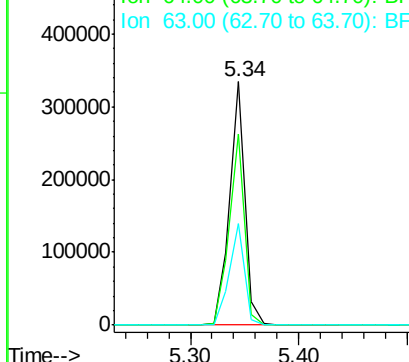
#5

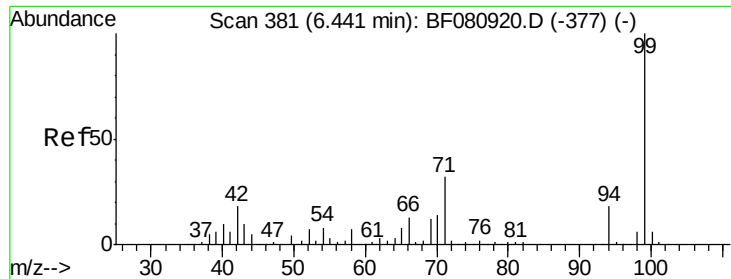
2-Fluorophenol  
Concen: 113.80 ng  
RT: 5.34 min Scan# 285  
Delta R.T. -0.03 min  
Lab File: BF080977.D  
Acq: 13 Aug 2015 12:38

Tgt Ion:112 Resp: 321984  
Ion Ratio Lower Upper  
112 100  
64 78.5 66.1 99.1  
63 41.6 34.6 52.0



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: 108.87 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.06 min

Lab File: BF080977.D

Acq: 13 Aug 2015 12:38

Instrument :

BNA\_F

ClientSampleId :

PB84980BL

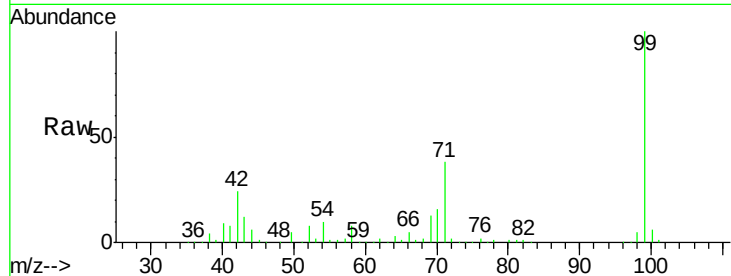
Tot Ion: 99 Resp: 422086

Ion Ratio Lower Upper

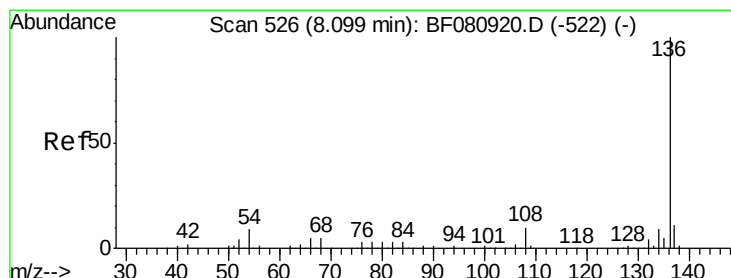
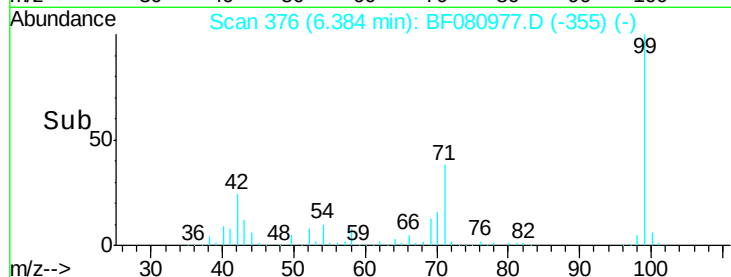
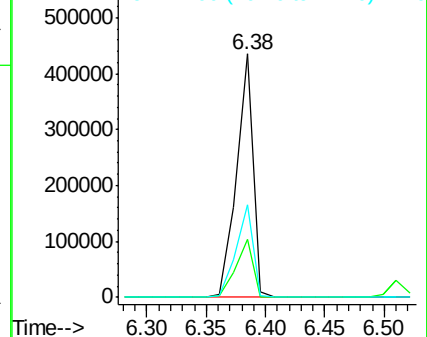
99 100

42 23.6 14.4 21.6#

71 37.9 25.8 38.8



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: 8.03 min Scan# 520

Delta R.T. -0.07 min

Lab File: BF080977.D

Acq: 13 Aug 2015 12:38

Tgt Ion: 136 Resp: 196300

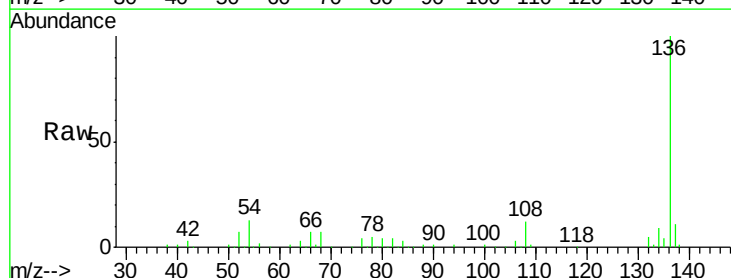
Ion Ratio Lower Upper

136 100

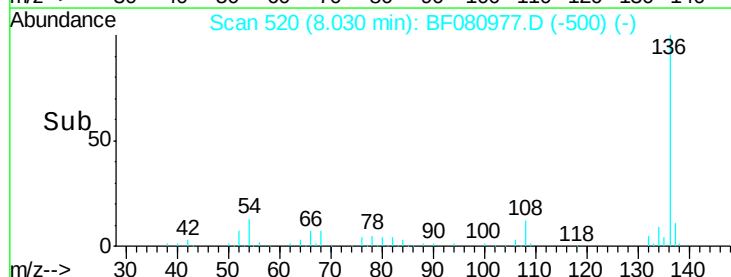
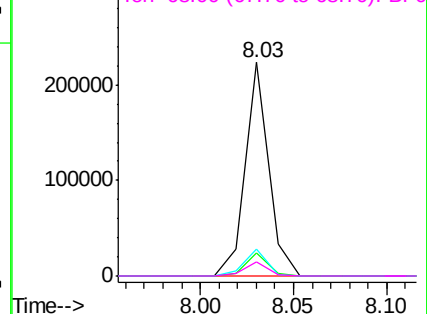
137 11.0 8.5 12.7

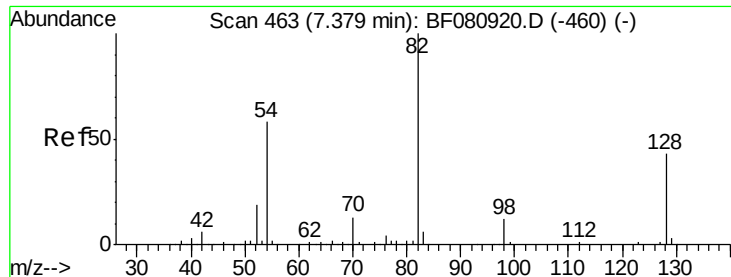
54 12.7 7.1 10.7#

68 6.5 3.8 5.8#



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

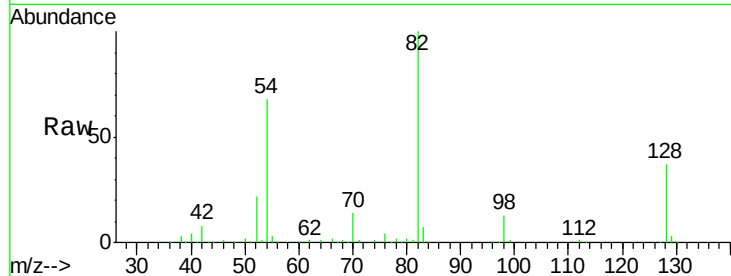




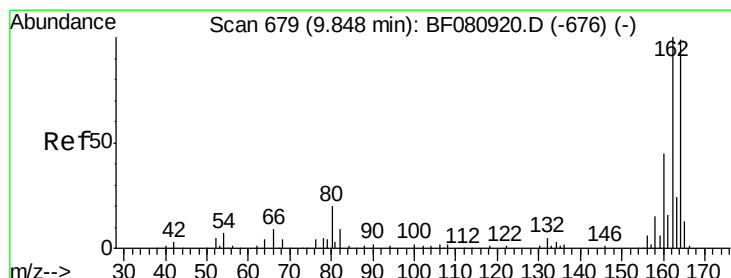
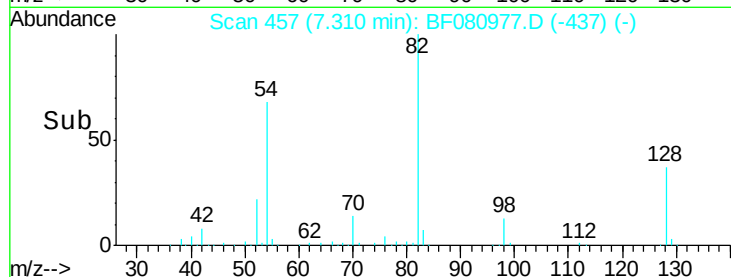
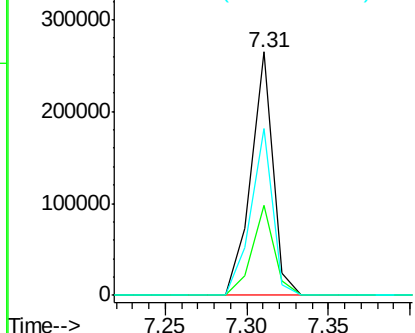
#23  
 Nitrobenzene-d5  
 Concen: 59.90 ng  
 RT: 7.31 min Scan# 457  
 Delta R.T. -0.07 min  
 Lab File: BF080977.D  
 Acq: 13 Aug 2015 12:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84980BL

| Tot Ion   | 82   | Resp | 248604 |
|-----------|------|------|--------|
| Ion Ratio | 100  |      |        |
| Lower     | 34.1 |      |        |
| Upper     | 51.1 |      |        |
| 54        | 68.4 | 46.5 | 69.7   |

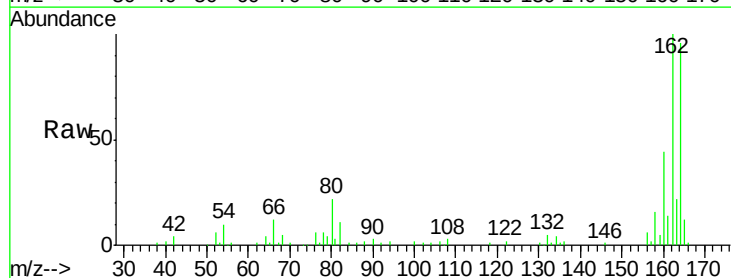


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

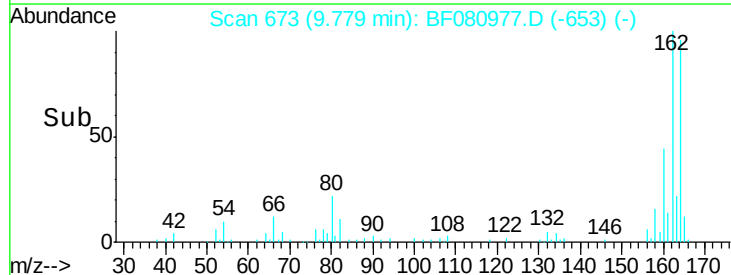
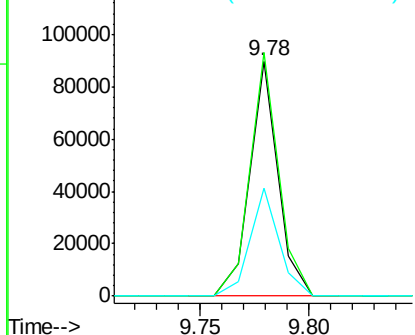


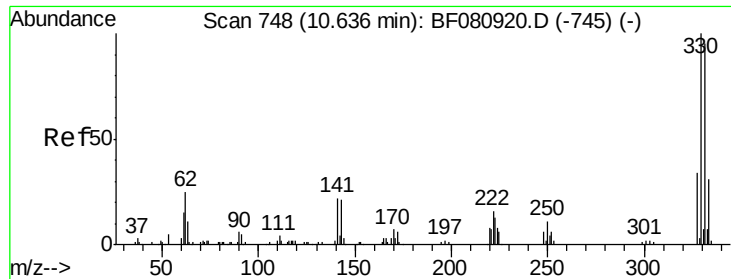
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.07 min  
 Lab File: BF080977.D  
 Acq: 13 Aug 2015 12:38

| Tgt Ion   | 164   | Resp | 80729 |
|-----------|-------|------|-------|
| Ion Ratio | 100   |      |       |
| Lower     | 80.5  |      |       |
| Upper     | 120.7 |      |       |
| 162       | 103.6 | 36.6 | 54.8  |



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

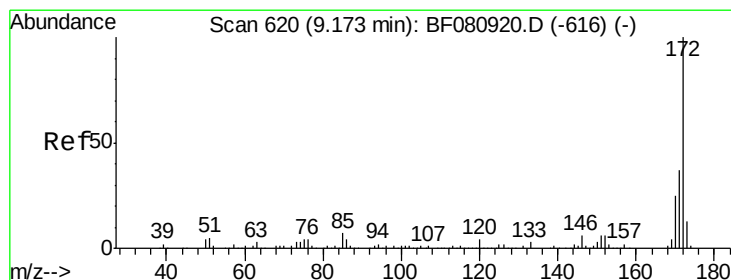
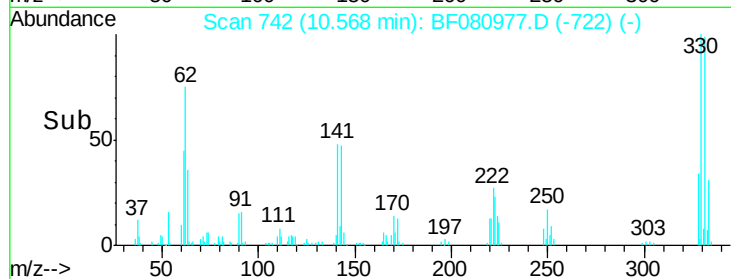
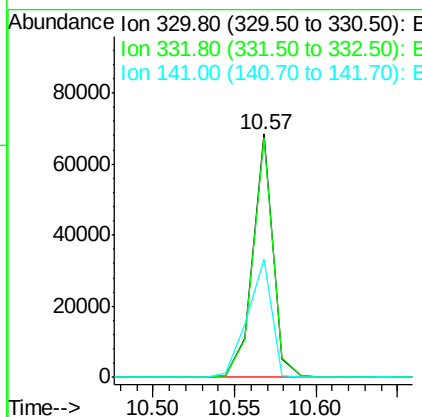
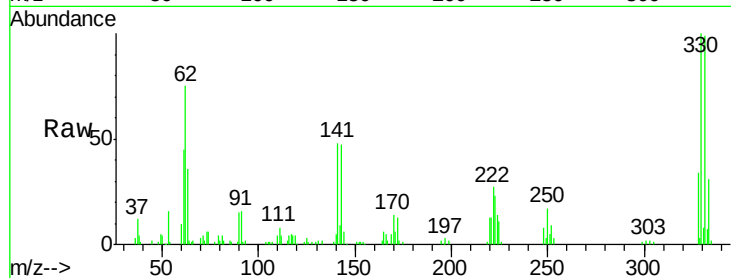




#41  
 2,4,6-Tribromophenol  
 Concen: 65.94 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.07 min  
 Lab File: BF080977.D  
 Acq: 13 Aug 2015 12:38

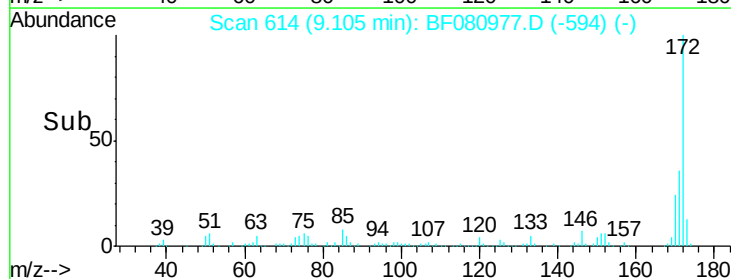
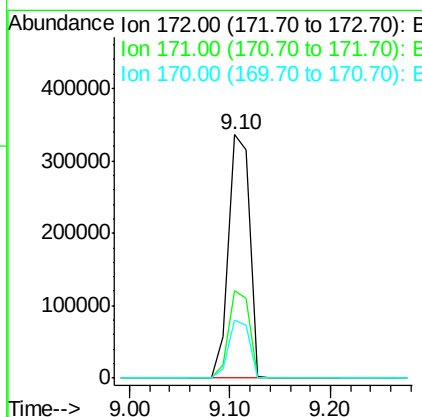
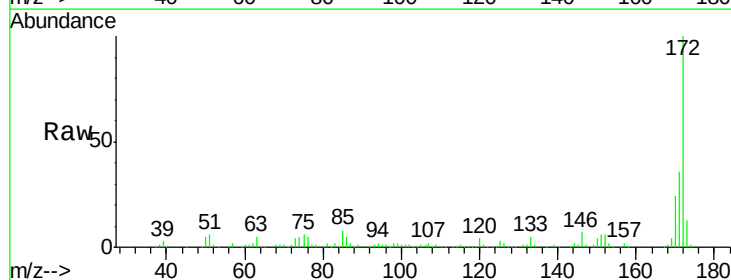
Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84980BL

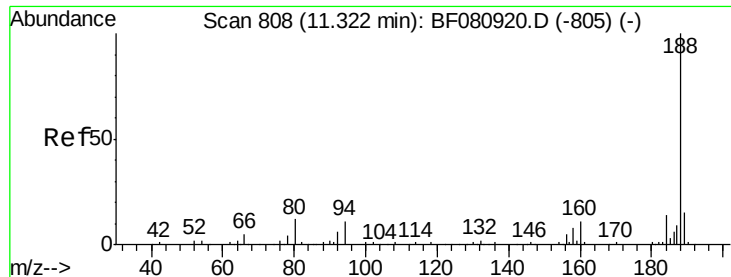
Tot Ion:330 Resp: 58484  
 Ion Ratio Lower Upper  
 330 100  
 332 98.9 76.2 114.4  
 141 58.0 27.8 41.8#



#44  
 2-Fluorobiphenyl  
 Concen: 85.21 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.07 min  
 Lab File: BF080977.D  
 Acq: 13 Aug 2015 12:38

Tgt Ion:172 Resp: 488653  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 29.4 44.0  
 170 23.9 19.7 29.5

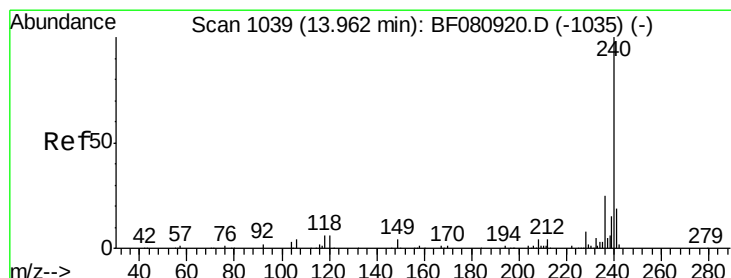
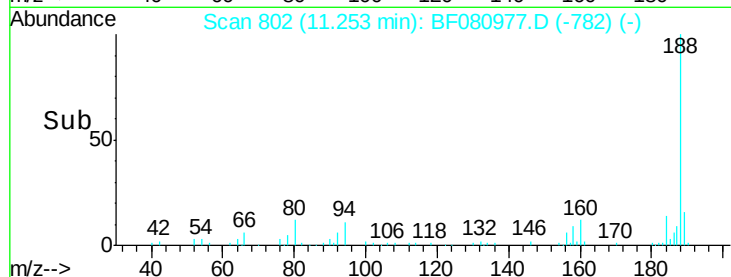
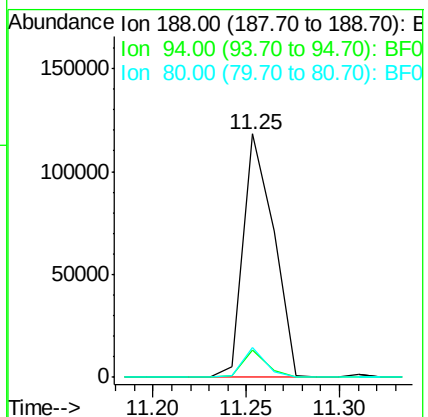
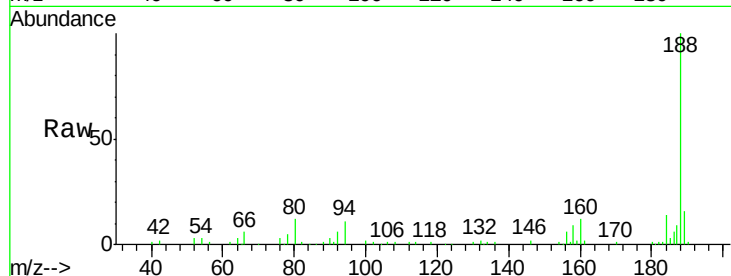




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.25 min Scan# 802  
Delta R.T. -0.07 min  
Lab File: BF080977.D  
Acq: 13 Aug 2015 12:38

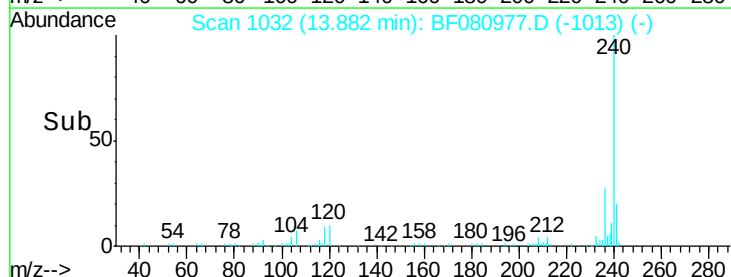
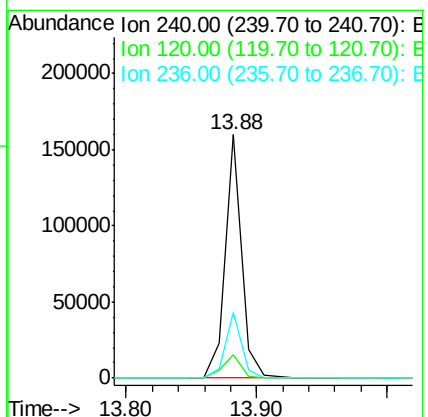
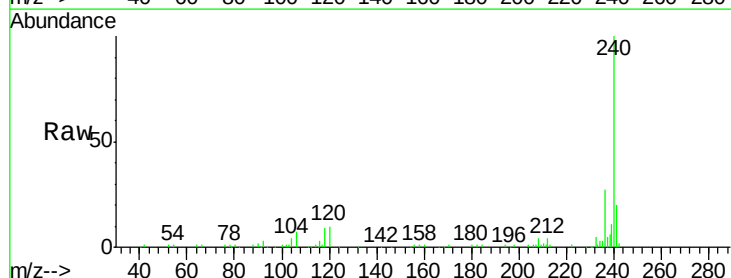
Instrument :  
BNA\_F  
ClientSampleId :  
PB84980BL

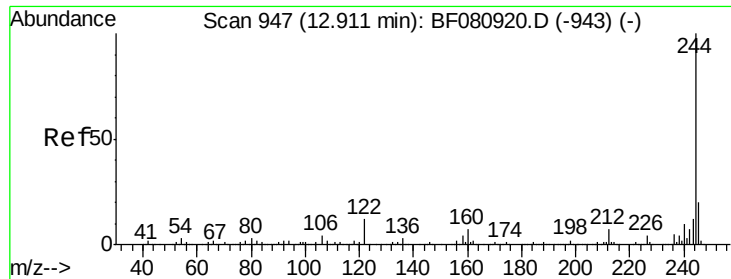
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 11.4  | 8.8   | 13.2  |
| 80      | 12.5  | 9.5   | 14.3  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.88 min Scan# 1032  
Delta R.T. -0.08 min  
Lab File: BF080977.D  
Acq: 13 Aug 2015 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 9.7   | 5.2   | 7.8#  |
| 236     | 26.8  | 20.2  | 30.4  |

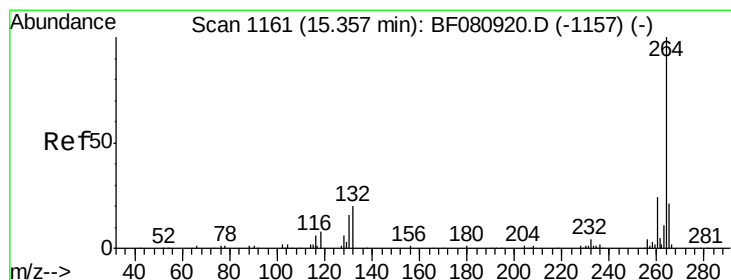
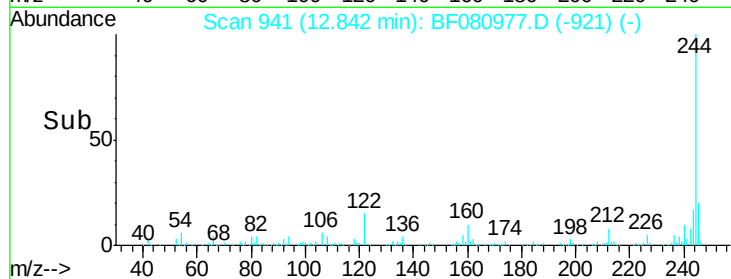
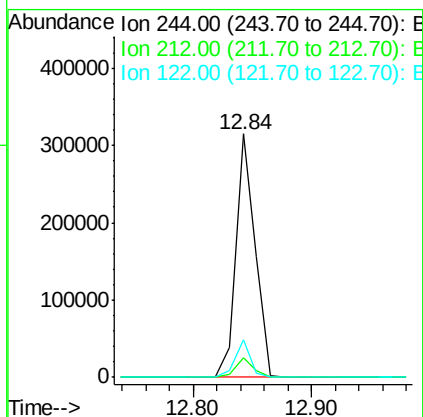
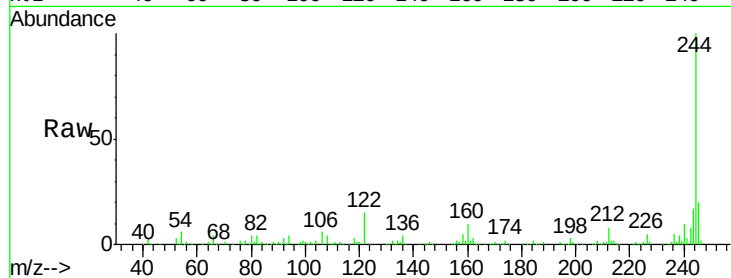




#78  
 Terphenyl-d14  
 Concen: 51.72 ng  
 RT: 12.84 min Scan# 941  
 Delta R.T. -0.07 min  
 Lab File: BF080977.D  
 Acq: 13 Aug 2015 12:38

Instrument :  
 BNA\_F  
 ClientSampleId :  
 PB84980BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 8.2   | 5.8   | 8.8   |
| 122     | 15.5  | 9.4   | 14.2  |



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 15.27 min Scan# 1153  
 Delta R.T. -0.09 min  
 Lab File: BF080977.D  
 Acq: 13 Aug 2015 12:38

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 19.4  | 29.0  |
| 265     | 21.7  | 17.0  | 25.4  |

