

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\  
 Data File : BF079511.D  
 Acq On : 27 May 2015 9:02  
 Operator : TP/IZ  
 Sample : G2383-08  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :

Quant Time: May 27 12:21:08 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 27 01:32:46 2015  
 Response via : Initial Calibration

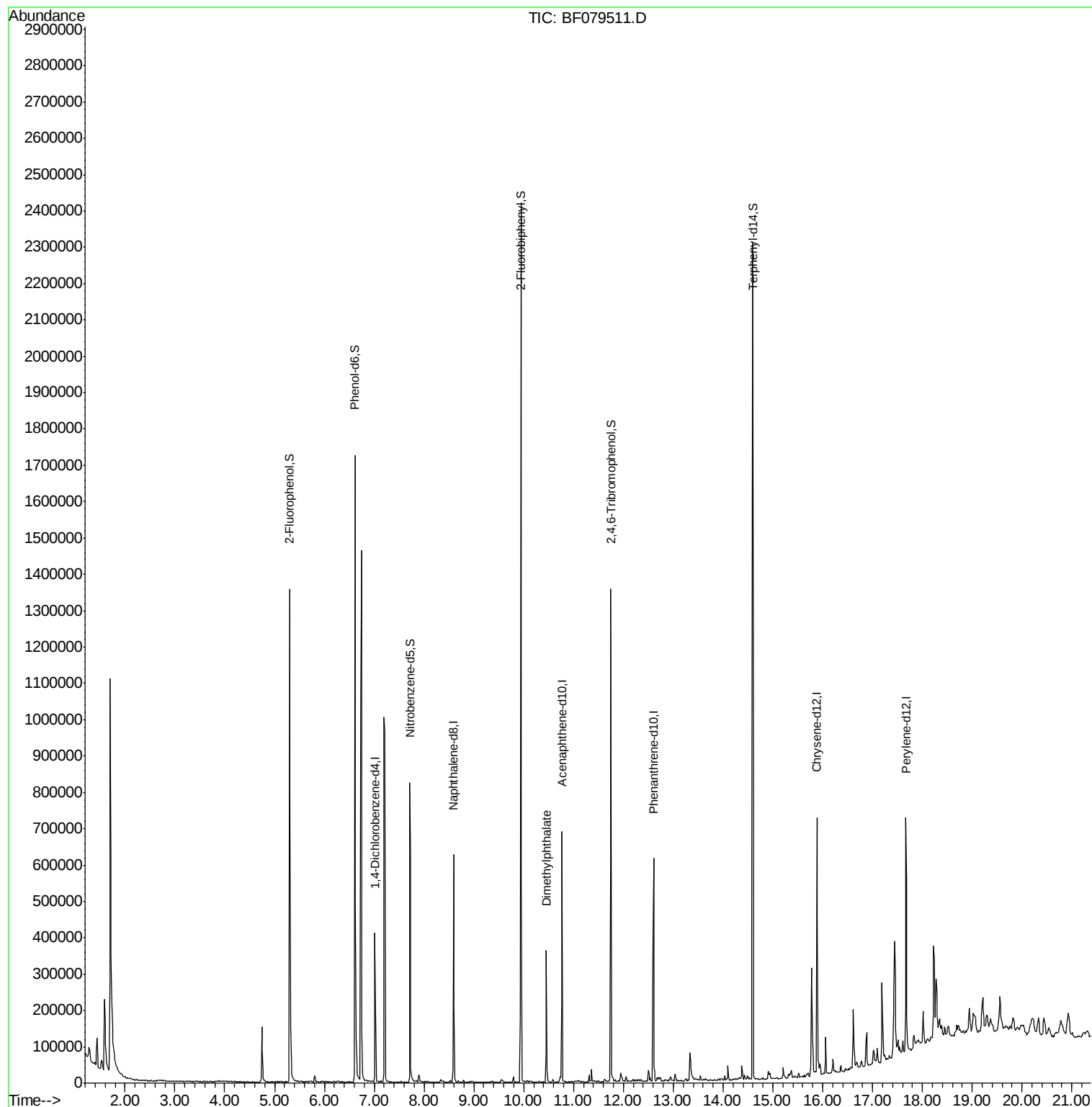
| Internal Standards          | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.02  | 152  | 72746    | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.59  | 136  | 301946   | 20.00     | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.76 | 164  | 151241   | 20.00     | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.61 | 188  | 296868   | 20.00     | ng    | 0.01     |
| 75) Chrysene-d12            | 15.89 | 240  | 320654   | 20.00     | ng    | 0.01     |
| 86) Perylene-d12            | 17.67 | 264  | 322223   | 20.00     | ng    | 0.08     |
| System Monitoring Compounds |       |      |          |           |       |          |
| 5) 2-Fluorophenol           | 5.30  | 112  | 458100   | 109.22    | ng    | 0.00     |
| 7) Phenol-d6                | 6.62  | 99   | 643215   | 120.32    | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.71  | 82   | 359887   | 68.90     | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.75 | 330  | 199048   | 119.82    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.94  | 172  | 744873   | 70.26     | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.59 | 244  | 862437   | 63.12     | ng    | 0.00     |
| Target Compounds            |       |      |          |           |       |          |
| 49) Dimethylphthalate       | 10.46 | 163  | 153011   | 13.73     | ng    | 99       |
| 73) Di-n-butylphthalate     | 13.36 | 149  | 4215     | Below Cal | #     | 90       |
| 89) Benzo(a)pyrene          | 17.61 | 252  | 12996    | Below Cal | #     | 91       |
| 90) Dibenzo(a,h)anthracene  | 19.04 | 278  | 12191    | Below Cal | #     | 68       |
| 91) Benzo(g,h,i)perylene    | 19.41 | 276  | 14756    | Below Cal | #     | 86       |

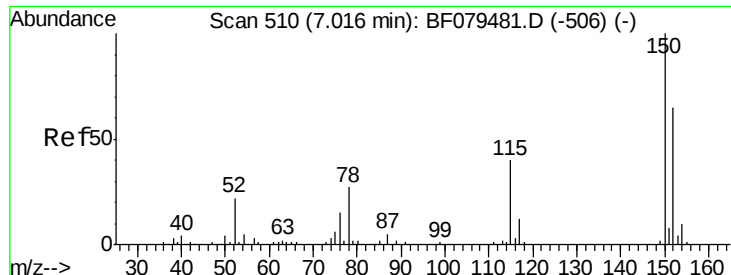
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF052615\  
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Misc :  
ALS Vial : 31 Sample Multiplier: 1

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BNA\_F  
ClientSampleId :

Quant Time: May 27 12:21:08 2015  
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF052615.M  
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QLast Update : Wed May 27 01:32:46 2015  
Response via : Initial Calibration

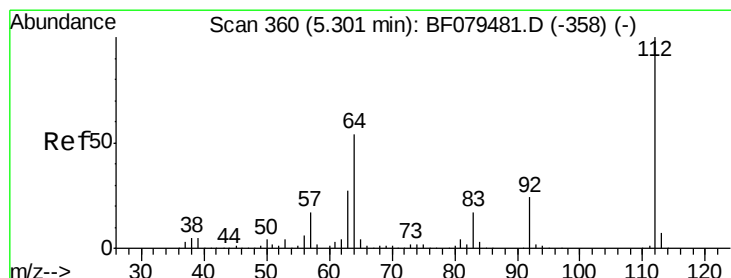
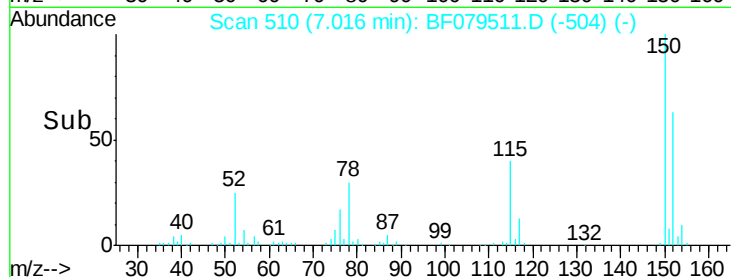
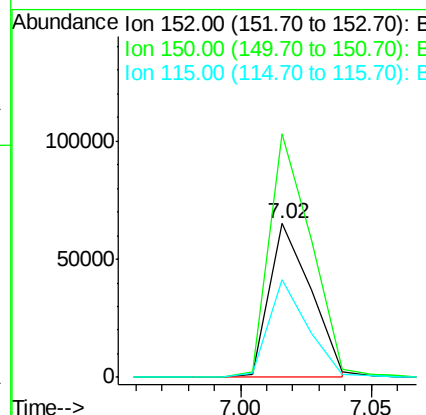
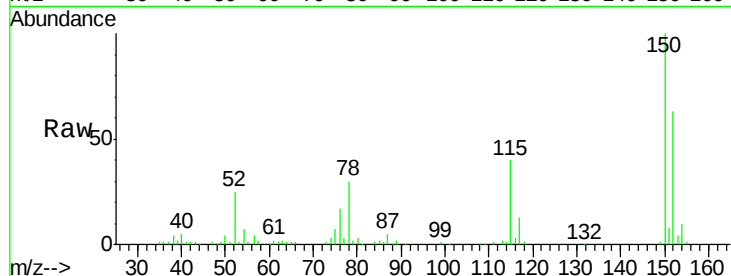




#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.02 min Scan# 510  
 Delta R.T. 0.00 min  
 Lab File: BF079511.D  
 Acq: 27 May 2015 9:02

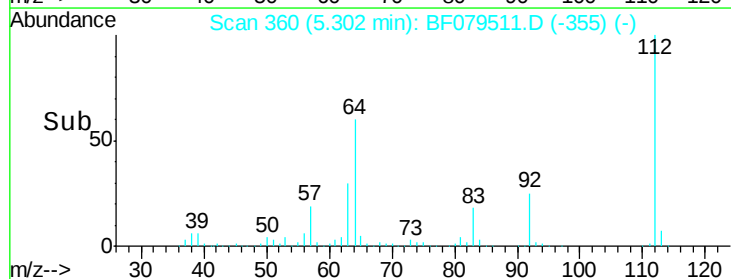
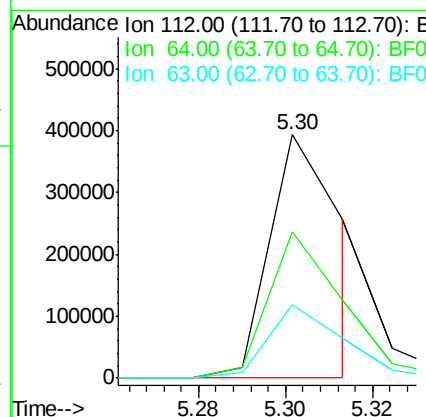
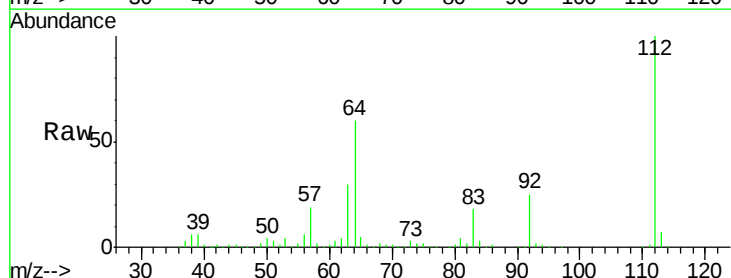
Instrument :  
 BNA\_F  
 ClientSampled :

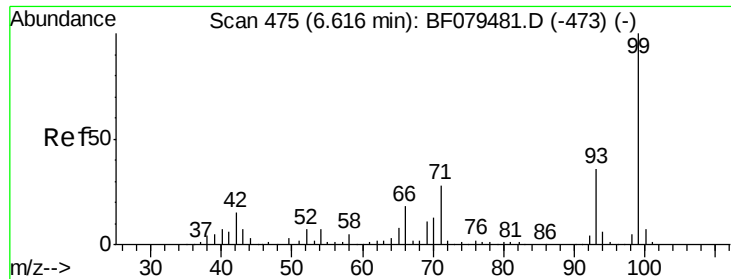
Tot Ion:152 Resp: 72746  
 Ion Ratio Lower Upper  
 152 100  
 150 158.5 124.0 186.0  
 115 63.7 49.6 74.4



#5  
 2-Fluorophenol  
 Concen: 109.22 ng  
 RT: 5.30 min Scan# 360  
 Delta R.T. 0.00 min  
 Lab File: BF079511.D  
 Acq: 27 May 2015 9:02

Tgt Ion:112 Resp: 458100  
 Ion Ratio Lower Upper  
 112 100  
 64 60.0 43.5 65.3  
 63 30.2 21.8 32.8





#7

Phenol-d6

Concen: 120.32 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079511.D

Acq: 27 May 2015 9:02

Instrument :

BNA\_F

ClientSampleId :

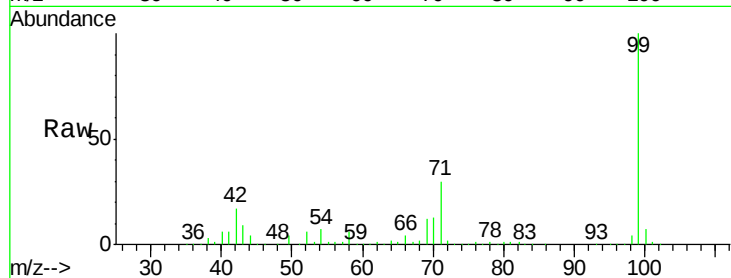
Tot Ion: 99 Resp: 643215

Ion Ratio Lower Upper

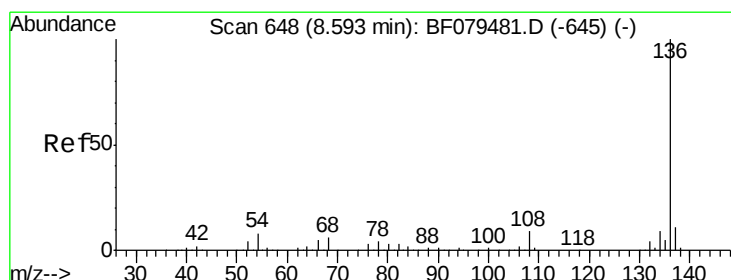
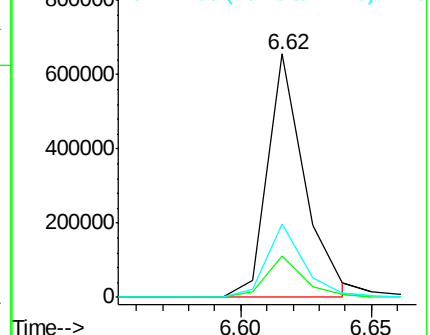
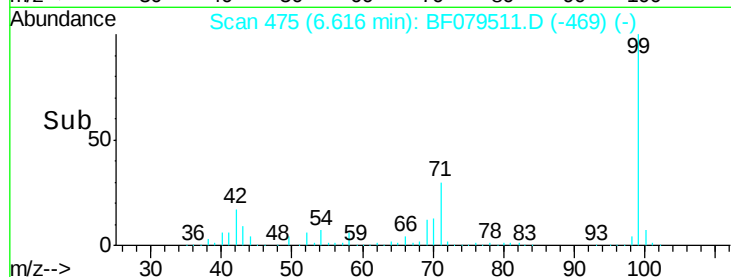
99 100

42 17.1 11.9 17.9

71 30.4 22.1 33.1



Abundance Ion 99.00 (98.70 to 99.70): BF079511.D (-469) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079511.D

Acq: 27 May 2015 9:02

Tgt Ion: 136 Resp: 301946

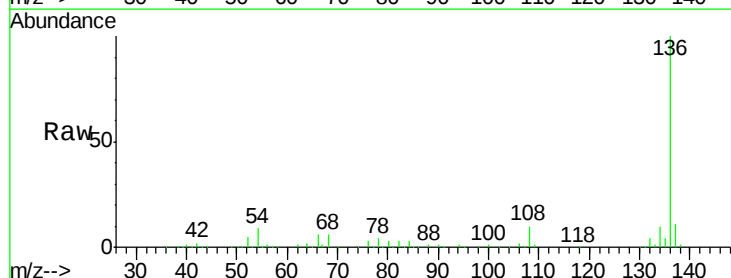
Ion Ratio Lower Upper

136 100

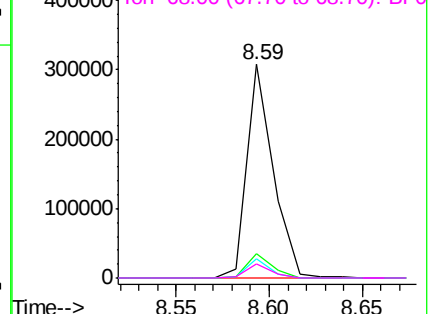
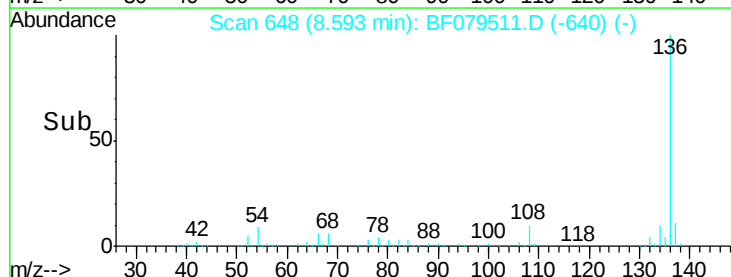
137 11.1 8.5 12.7

54 8.9 6.6 9.8

68 6.4 4.7 7.1



Abundance Ion 136.00 (135.70 to 136.70): BF079511.D (-640) (-)

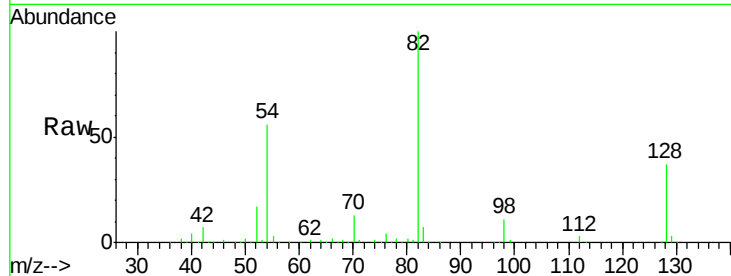




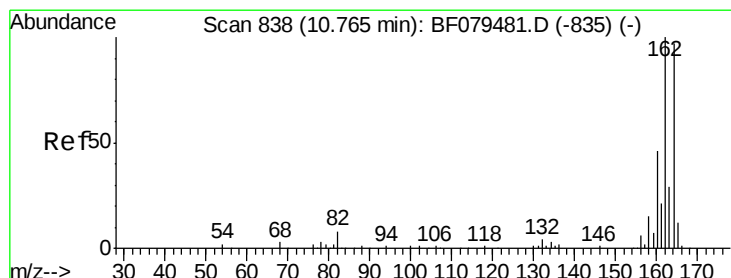
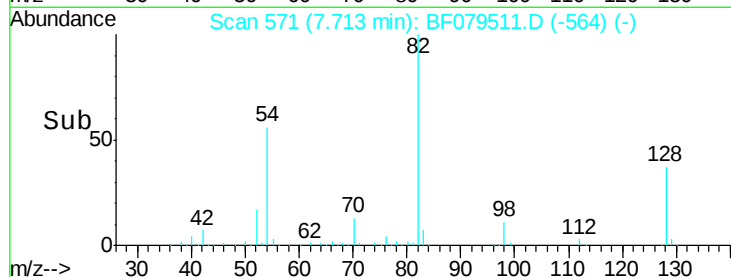
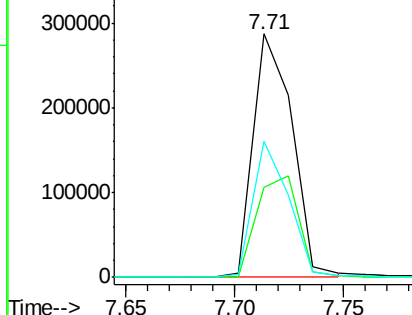
#23  
 Nitrobenzene-d5  
 Concen: 68.90 ng  
 RT: 7.71 min Scan# 571  
 Delta R.T. 0.00 min  
 Lab File: BF079511.D  
 Acq: 27 May 2015 9:02

Instrument :  
 BNA\_F  
 ClientSampled :

| Tot Ion   | 82   | Resp  | 359887 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 128       | 37.0 | 30.8  | 46.2   |
| 54        | 55.7 | 42.8  | 64.2   |

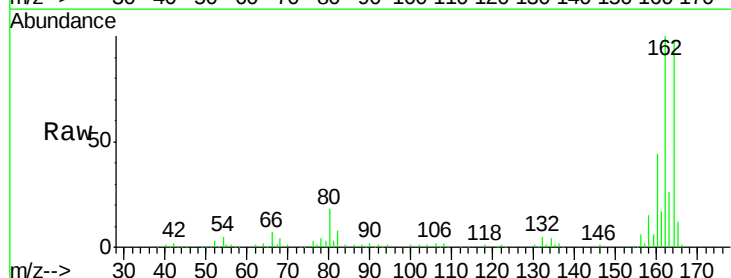


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

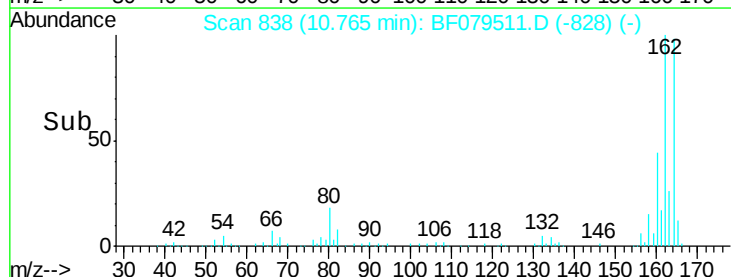
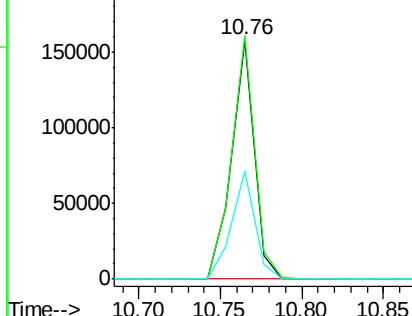


#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.76 min Scan# 838  
 Delta R.T. 0.00 min  
 Lab File: BF079511.D  
 Acq: 27 May 2015 9:02

| Tgt Ion   | 164   | Resp  | 151241 |
|-----------|-------|-------|--------|
| Ion Ratio | 100   | Lower | Upper  |
| 162       | 102.1 | 82.6  | 124.0  |
| 160       | 45.4  | 37.7  | 56.5   |



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

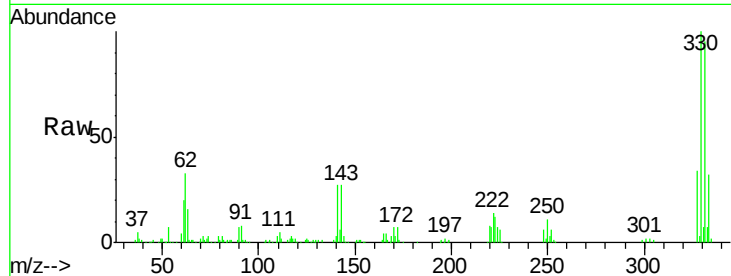




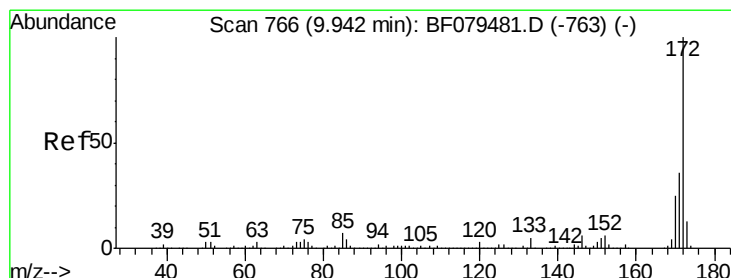
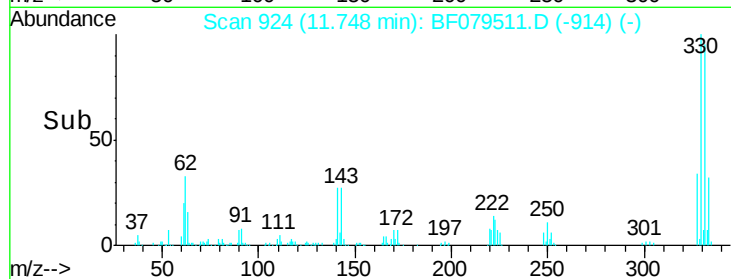
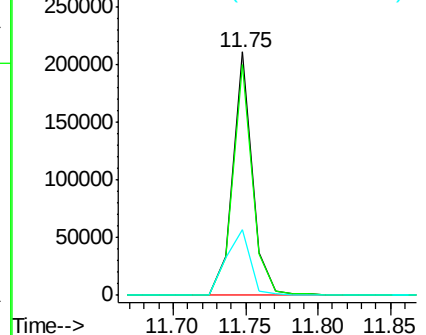
#41  
 2,4,6-Tribromophenol  
 Concen: 119.82 ng  
 RT: 11.75 min Scan# 924  
 Delta R.T. 0.00 min  
 Lab File: BF079511.D  
 Acq: 27 May 2015 9:02

Instrument :  
 BNA\_F  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 95.2  | 0.0   | 0.0#  |
| 141     | 33.3  | 0.0   | 0.0#  |

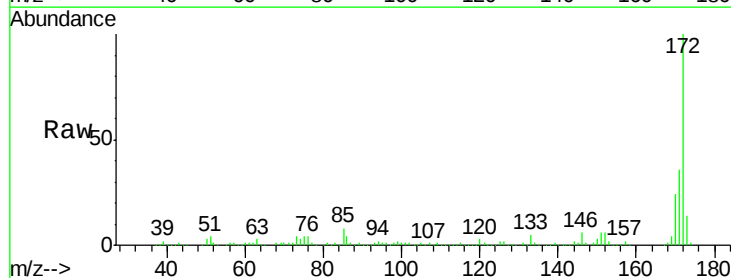


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

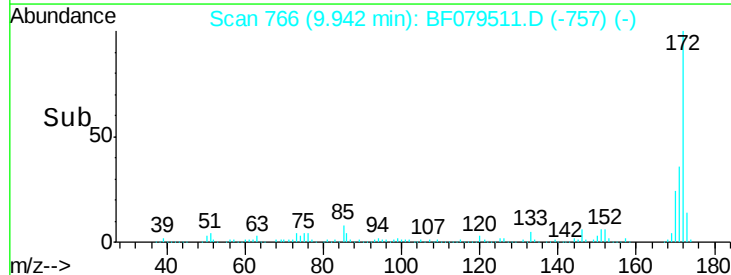
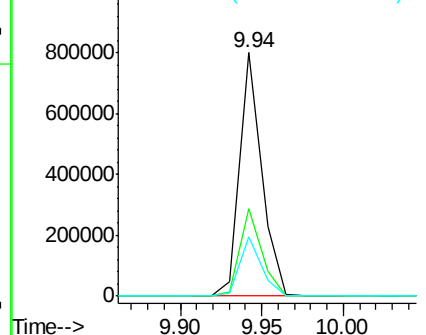


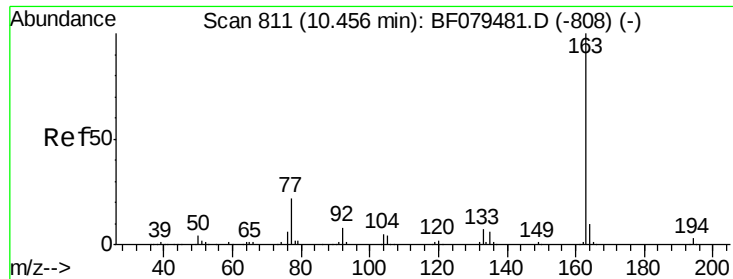
#44  
 2-Fluorobiphenyl  
 Concen: 70.26 ng  
 RT: 9.94 min Scan# 766  
 Delta R.T. 0.00 min  
 Lab File: BF079511.D  
 Acq: 27 May 2015 9:02

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.7  | 28.5  | 42.7  |
| 170     | 24.5  | 19.7  | 29.5  |



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

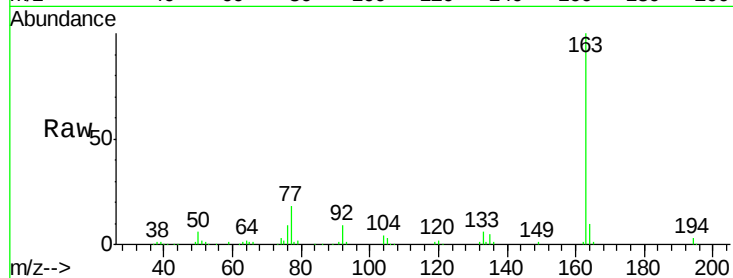




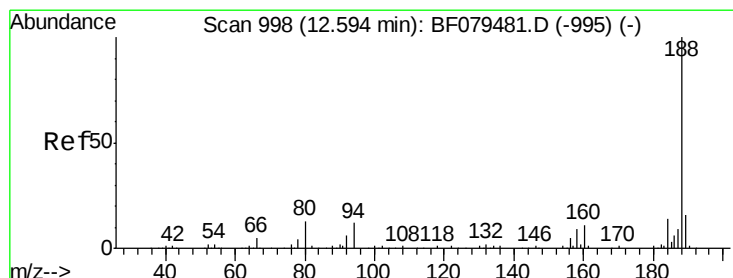
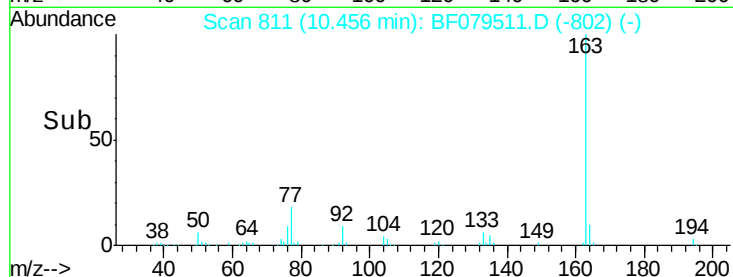
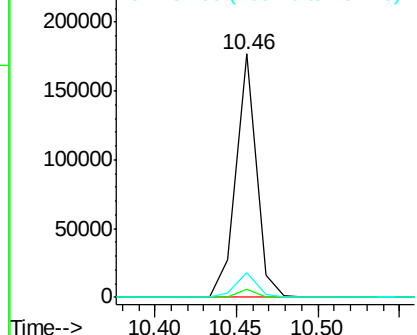
#49  
Dimethylphthalate  
Concen: 13.73 ng  
RT: 10.46 min Scan# 811  
Delta R.T. 0.00 min  
Lab File: BF079511.D  
Acq: 27 May 2015 9:02

Instrument :  
BNA\_F  
ClientSampleId :

Tot Ion:163 Resp: 153011  
Ion Ratio Lower Upper  
163 100  
194 3.3 2.4 3.6  
164 9.9 8.2 12.4

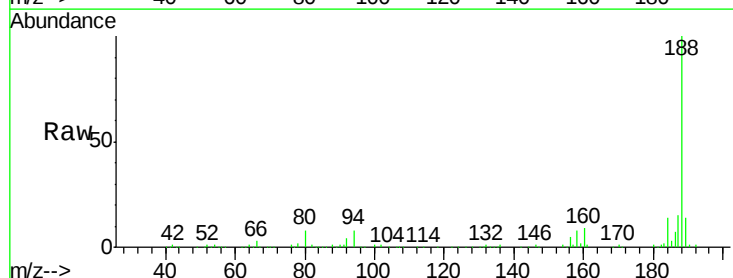


Abundance Ion 163.00 (162.70 to 163.70): E  
Ion 194.00 (193.70 to 194.70): E  
Ion 164.00 (163.70 to 164.70): E

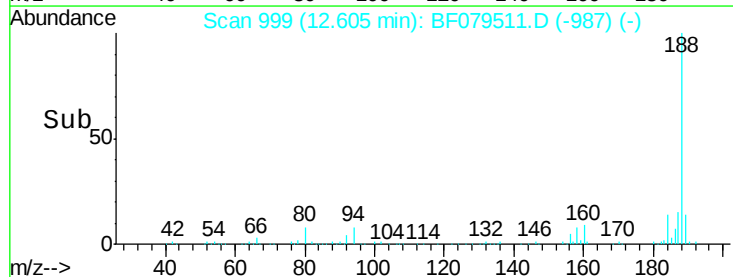
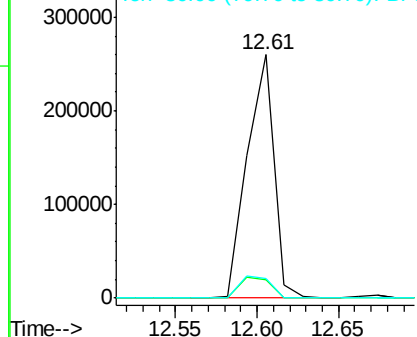


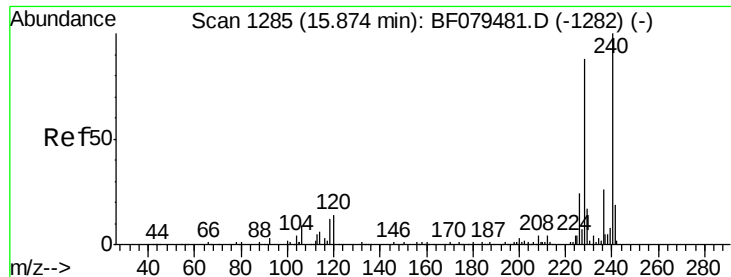
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.61 min Scan# 999  
Delta R.T. 0.01 min  
Lab File: BF079511.D  
Acq: 27 May 2015 9:02

Tgt Ion:188 Resp: 296868  
Ion Ratio Lower Upper  
188 100  
94 7.6 9.8 14.6#  
80 7.8 10.5 15.7#



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: 15.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF079511.D

Acq: 27 May 2015 9:02

Instrument :

BNA\_F

ClientSampleId :

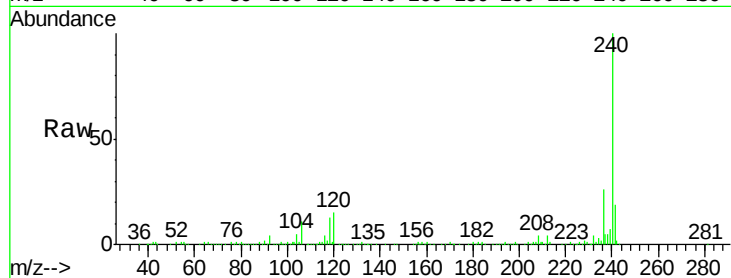
Tot Ion:240 Resp: 320654

Ion Ratio Lower Upper

240 100

120 14.5 10.8 16.2

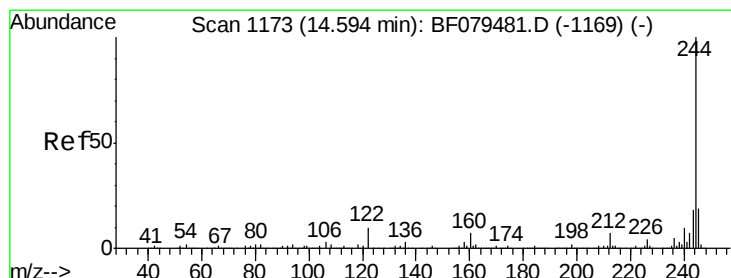
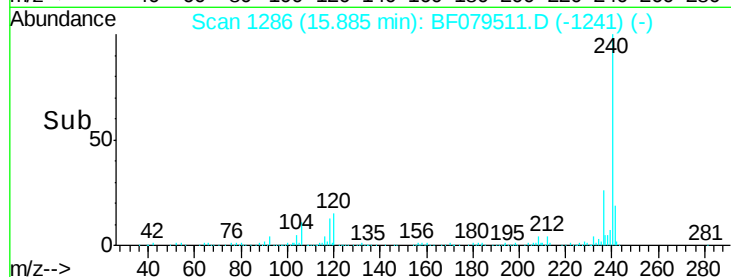
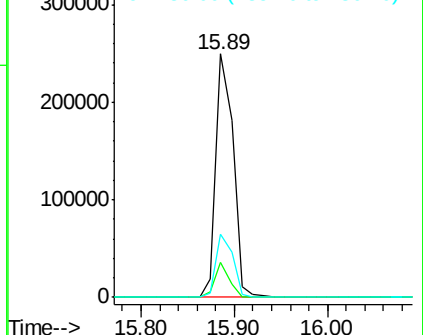
236 26.2 21.0 31.6



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: 63.12 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF079511.D

Acq: 27 May 2015 9:02

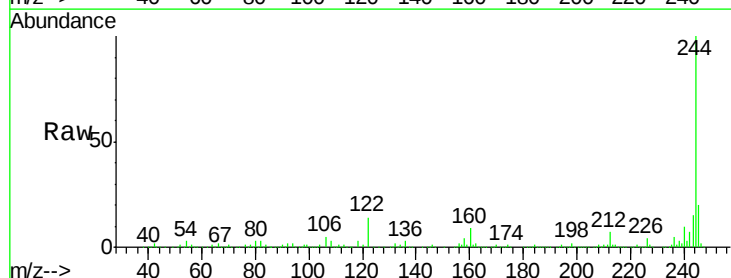
Tgt Ion:244 Resp: 862437

Ion Ratio Lower Upper

244 100

212 7.1 5.2 7.8

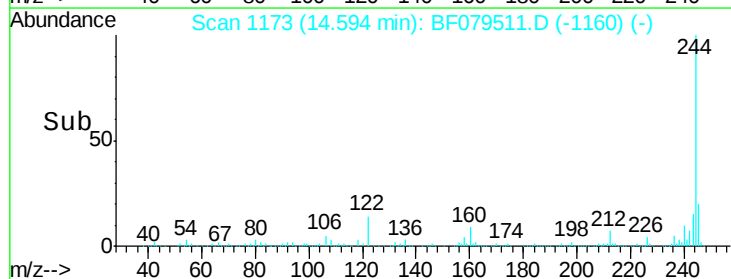
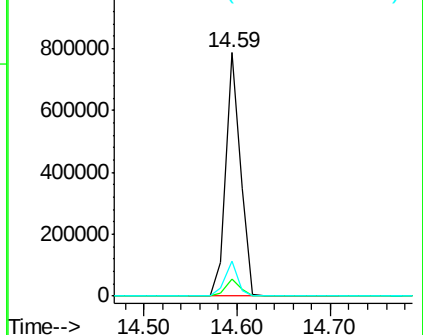
122 14.2 8.0 12.0#

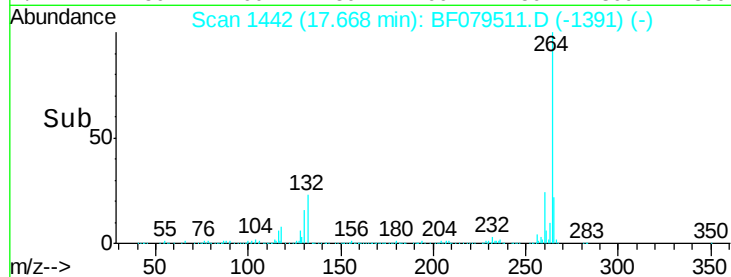
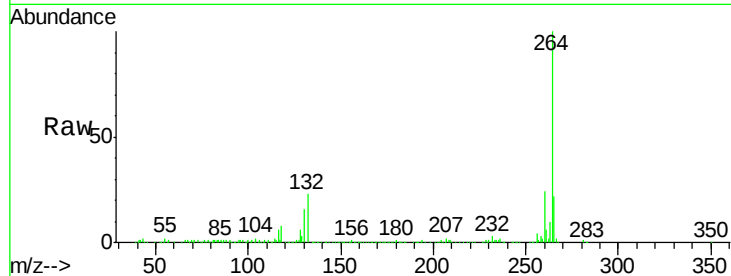
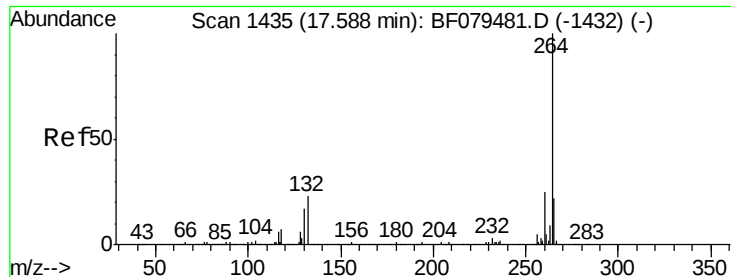


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.67 min Scan# 1442  
Delta R.T. 0.08 min  
Lab File: BF079511.D  
Acq: 27 May 2015 9:02

Instrument :  
BNA\_F  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.3  | 19.8  | 29.8  |
| 265     | 22.0  | 17.8  | 26.6  |

