

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060915\  
 Data File : BF079841.D  
 Acq On : 9 Jun 2015 19:43  
 Operator : TP/IZ  
 Sample : G2533-07  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRW-2

Quant Time: Jun 10 01:35:33 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 09 15:11:40 2015  
 Response via : Initial Calibration

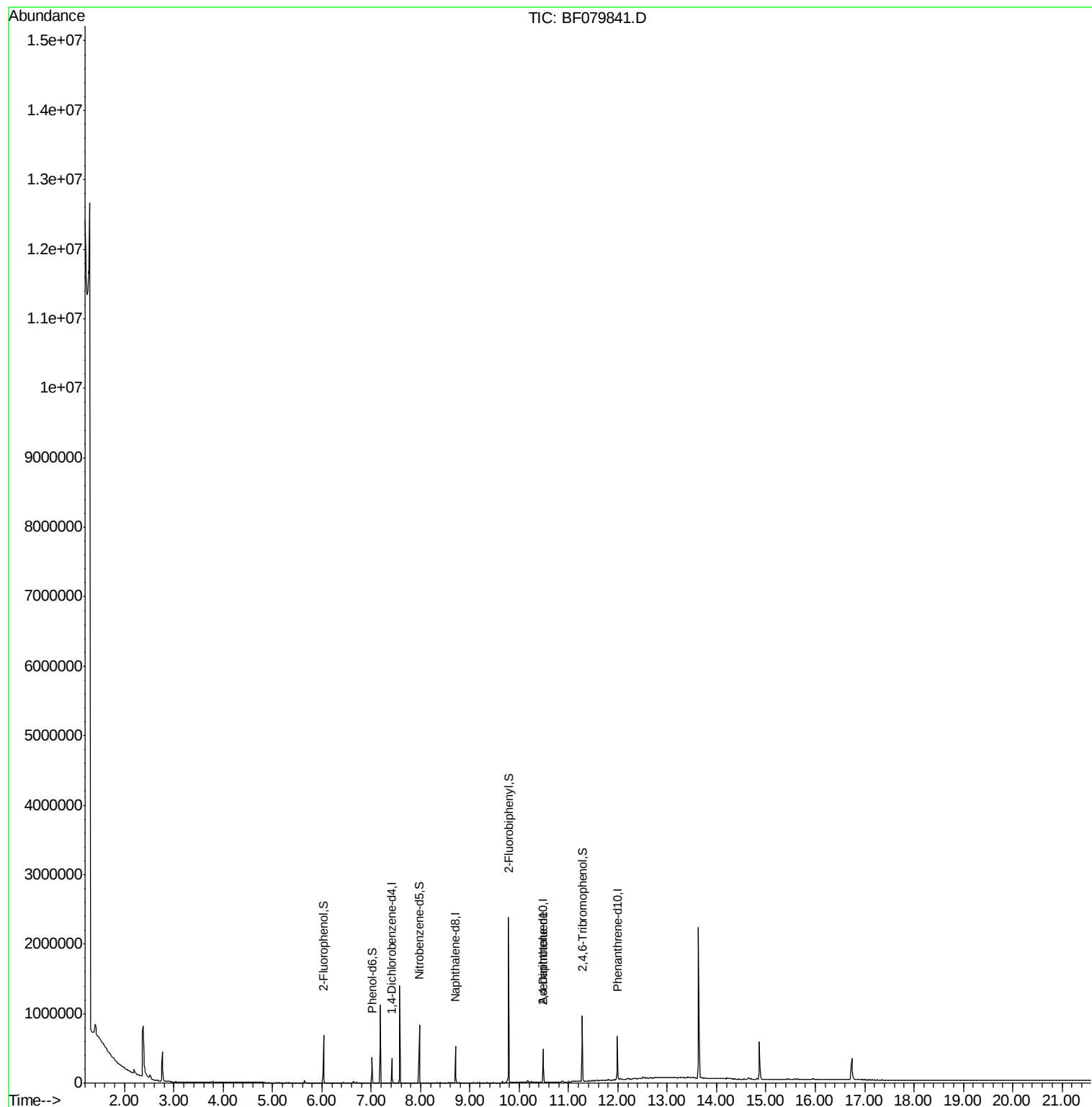
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 50018    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.71  | 136  | 206251   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.48 | 164  | 103204   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 11.99 | 188  | 212428   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 0.00  | 240  | 0        | 0.00   | ng    | -15.06         |
| 86) Perylene-d12            | 0.00  | 264  | 0        | 0.00   | ng    | -17.02         |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 6.03  | 112  | 168025   | 55.36  | ng    | 0.00           |
| 7) Phenol-d6                | 7.02  | 99   | 134017   | 34.13  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 7.98  | 82   | 277459   | 77.71  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 11.28 | 330  | 124327   | 139.20 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 9.78  | 172  | 654865   | 89.24  | ng    | 0.00           |
| 78) Terphenyl-d14           | 13.63 | 244  | 733293   | 0.00   | ng    | -0.10          |
| Target Compounds            |       |      |          |        |       |                |
| 56) 2,4-Dinitrotoluene      | 10.48 | 165  | 13099    | 12.35  | ng    | Qvalue<br># 32 |

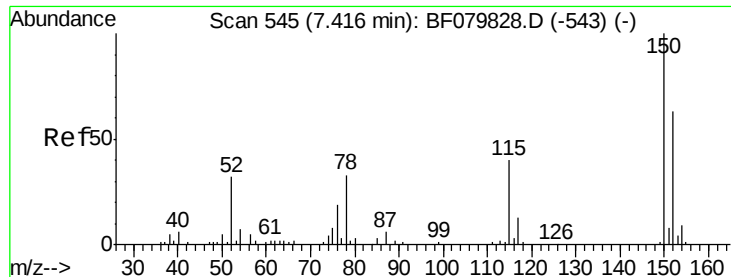
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.42 min Scan# 545

Delta R.T. 0.00 min

Lab File: BF079841.D

Acq: 9 Jun 2015 19:43

Instrument :

BNA\_F

ClientSampleId :

DRW-2

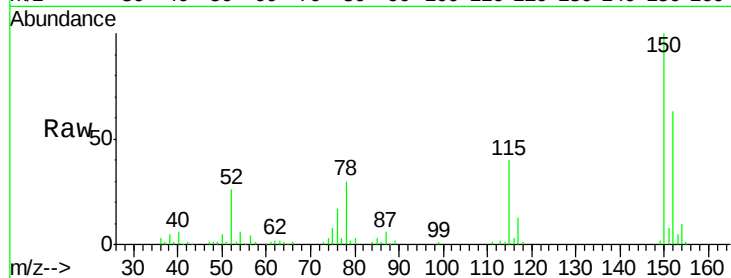
Tgt Ion:152 Resp: 50018

Ion Ratio Lower Upper

152 100

150 159.4 131.4 197.2

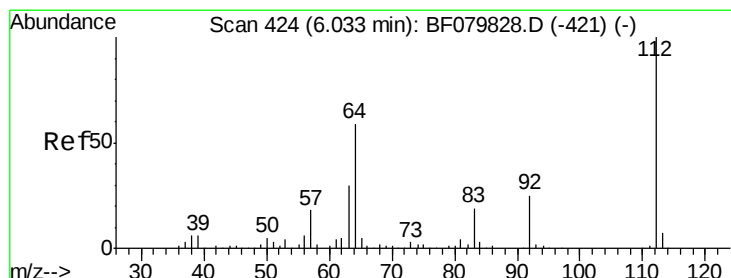
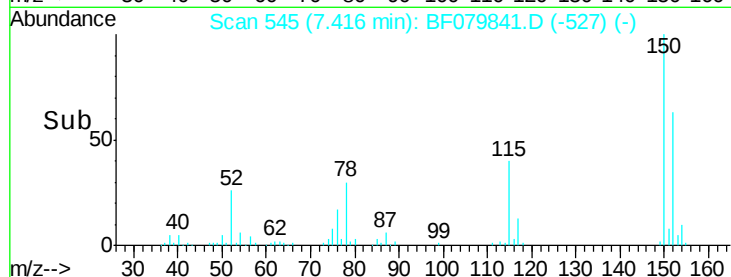
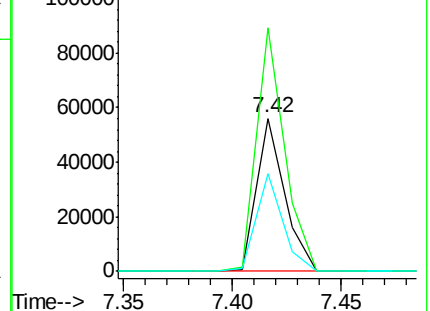
115 64.1 56.5 84.7



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: 55.36 ng

RT: 6.03 min Scan# 424

Delta R.T. 0.00 min

Lab File: BF079841.D

Acq: 9 Jun 2015 19:43

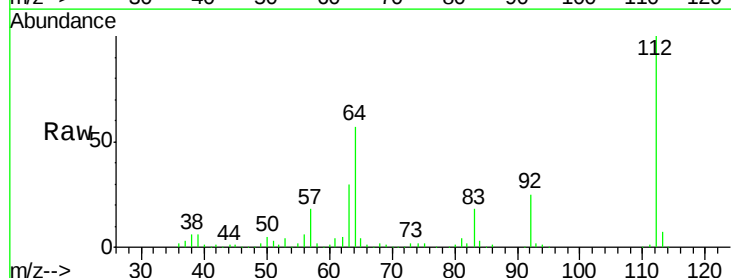
Tgt Ion:112 Resp: 168025

Ion Ratio Lower Upper

112 100

64 57.4 44.2 66.4

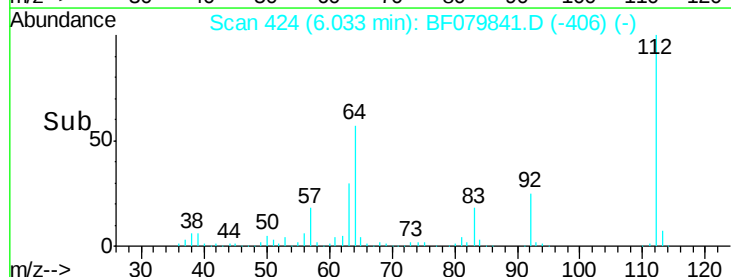
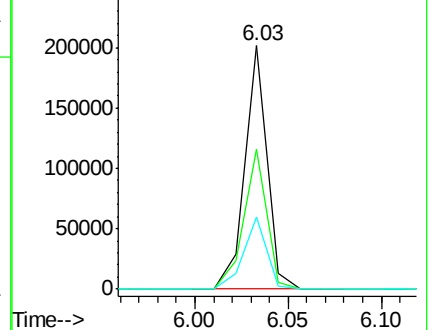
63 29.7 22.8 34.2

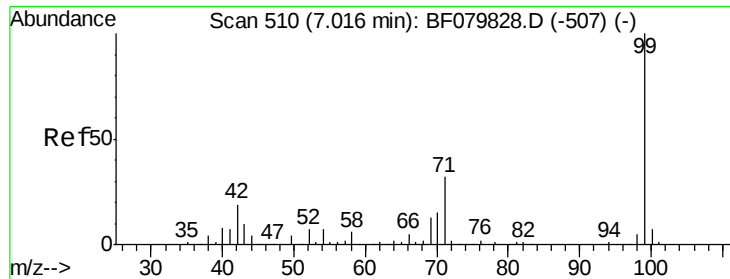


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 34.13 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079841.D

Acq: 9 Jun 2015 19:43

Instrument :

BNA\_F

ClientSampleId :

DRW-2

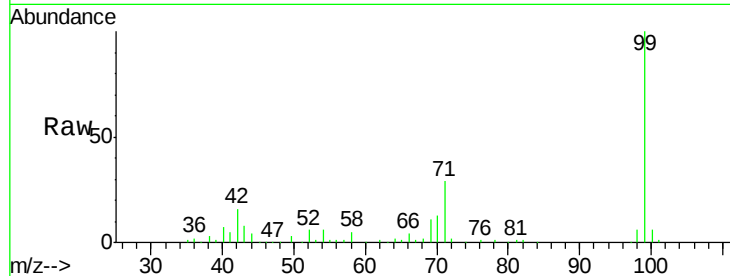
Tgt Ion: 99 Resp: 134017

Ion Ratio Lower Upper

99 100

42 15.7 13.7 20.5

71 29.1 25.1 37.7

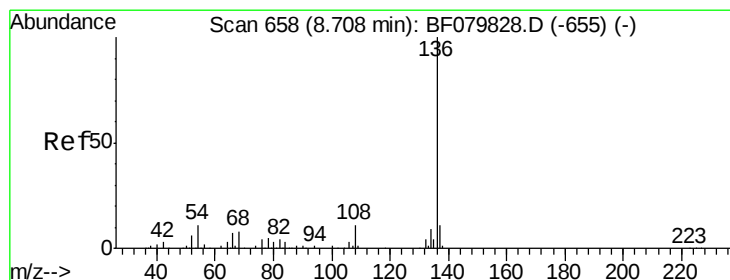
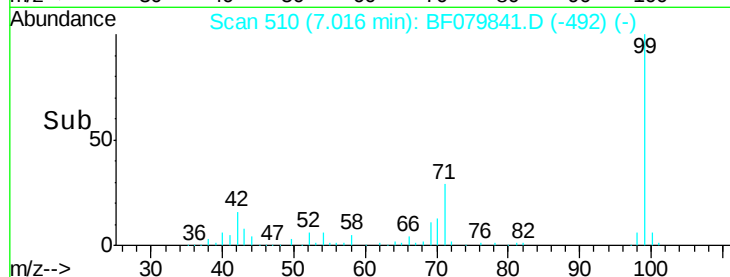
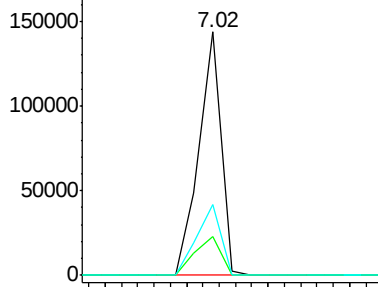


Abundance

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: 8.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF079841.D

Acq: 9 Jun 2015 19:43

Tgt Ion: 136 Resp: 206251

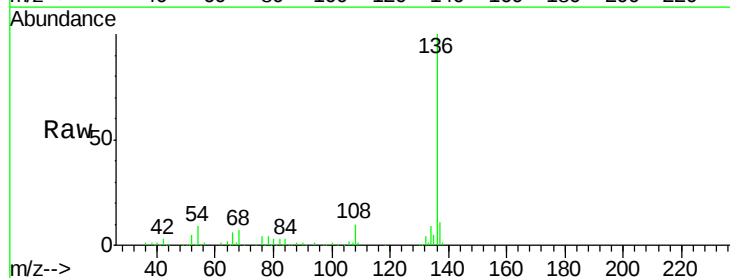
Ion Ratio Lower Upper

136 100

137 10.9 9.3 13.9

54 8.9 8.1 12.1

68 6.6 4.8 7.2



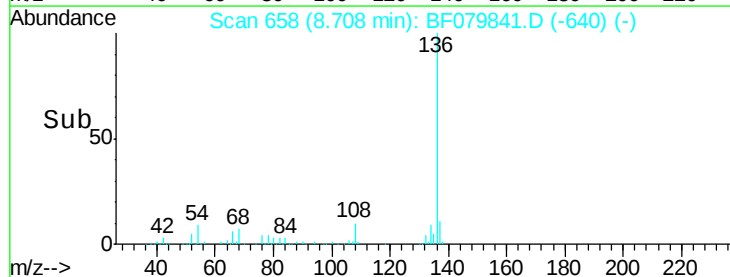
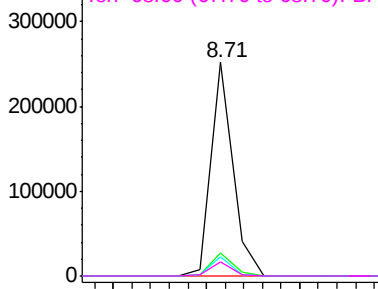
Abundance

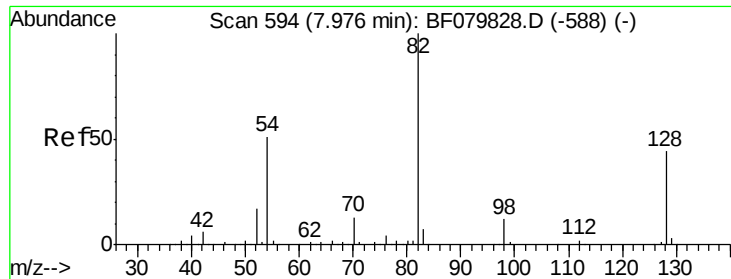
Ion 136.00 (135.70 to 136.70): E

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

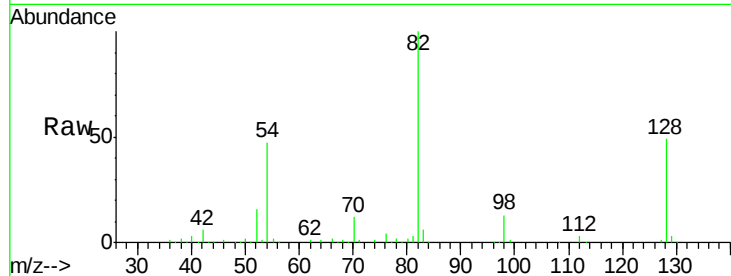




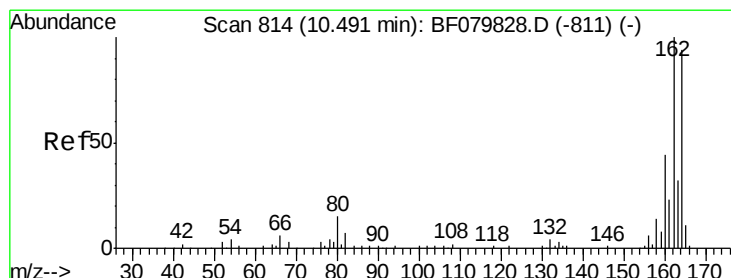
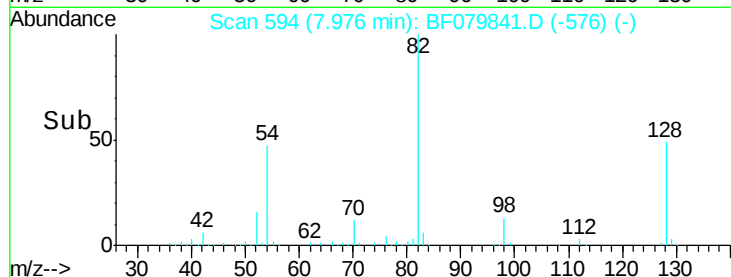
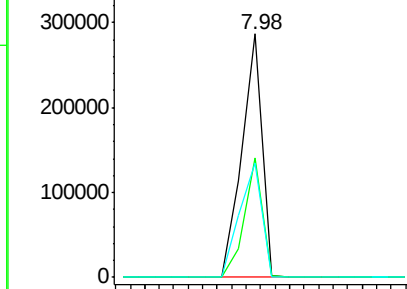
#23  
 Nitrobenzene-d5  
 Concen: 77.71 ng  
 RT: 7.98 min Scan# 594  
 Delta R.T. 0.00 min  
 Lab File: BF079841.D  
 Acq: 9 Jun 2015 19:43

Instrument :  
 BNA\_F  
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Tgt Ion: 82 Resp: 277459  
 Ion Ratio Lower Upper  
 82 100  
 128 48.8 35.2 52.8  
 54 47.1 39.2 58.8

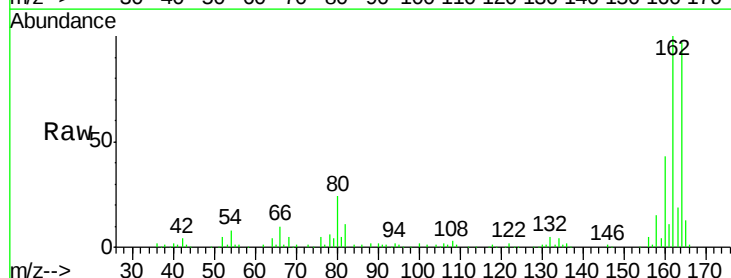


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): E  
 Ion 54.00 (53.70 to 54.70): BF0

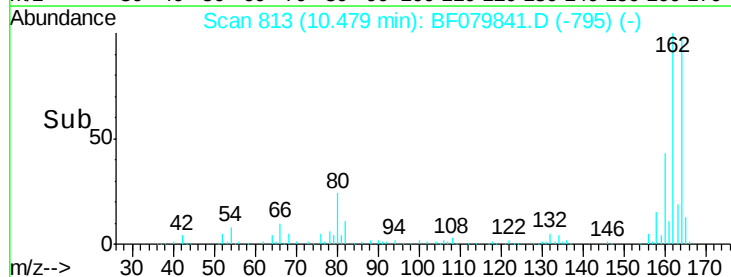
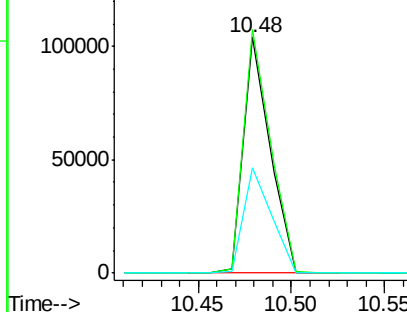


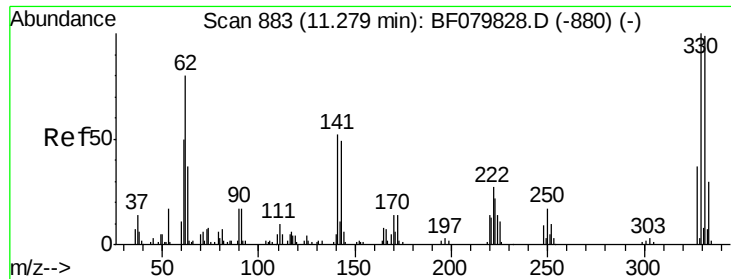
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.48 min Scan# 813  
 Delta R.T. 0.00 min  
 Lab File: BF079841.D  
 Acq: 9 Jun 2015 19:43

Tgt Ion: 164 Resp: 103204  
 Ion Ratio Lower Upper  
 164 100  
 162 103.3 89.8 134.8  
 160 44.9 39.6 59.4



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

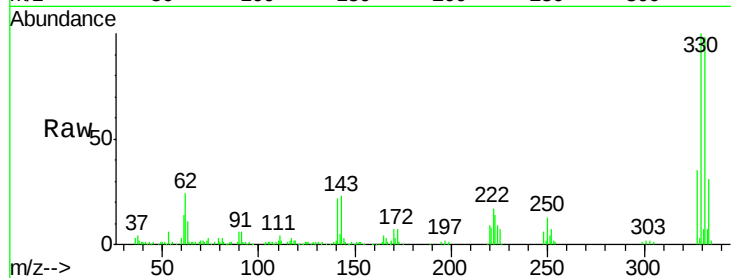




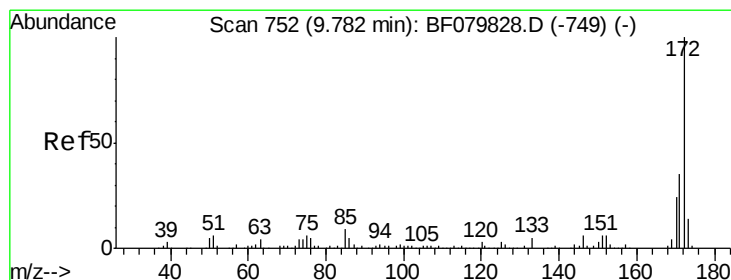
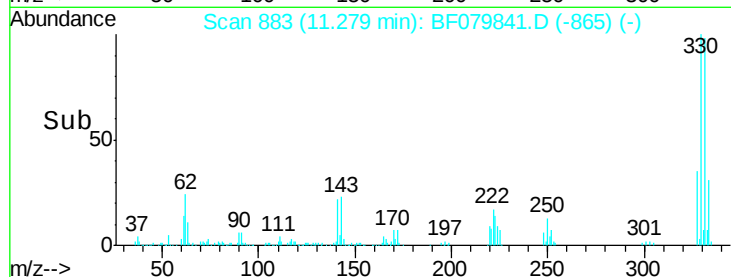
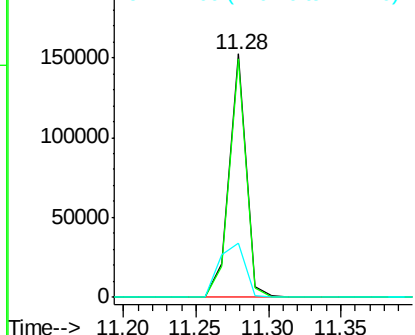
#41  
 2,4,6-Tribromophenol  
 Concen: 139.20 ng  
 RT: 11.28 min Scan# 883  
 Delta R.T. 0.00 min  
 Lab File: BF079841.D  
 Acq: 9 Jun 2015 19:43

Instrument :  
 BNA\_F  
 ClientSampleId :  
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Tgt Ion:330 Resp: 124327  
 Ion Ratio Lower Upper  
 330 100  
 332 97.0 76.8 115.2  
 141 35.0 29.1 43.7

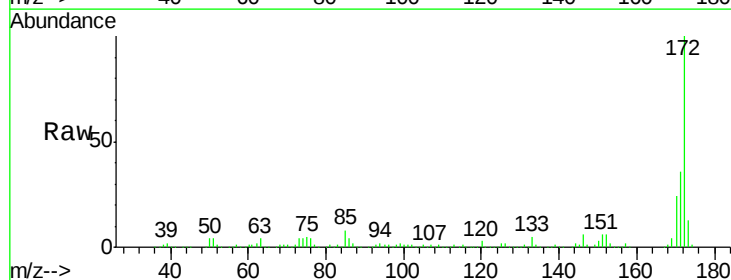


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

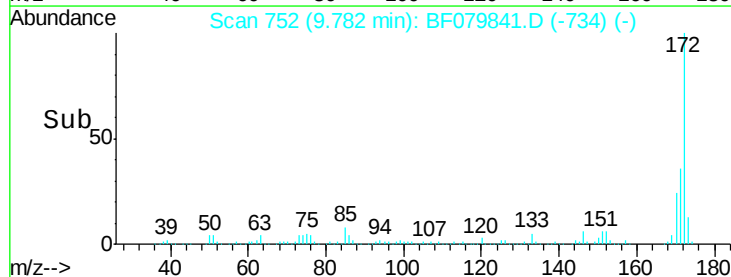
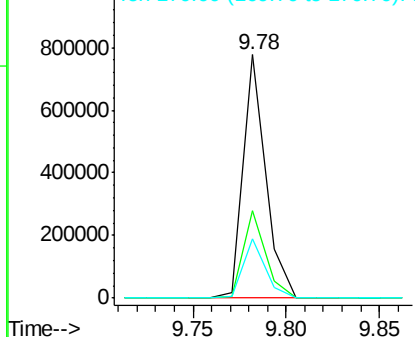


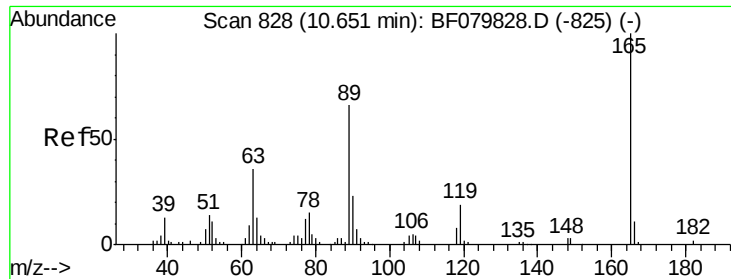
#44  
 2-Fluorobiphenyl  
 Concen: 89.24 ng  
 RT: 9.78 min Scan# 752  
 Delta R.T. 0.00 min  
 Lab File: BF079841.D  
 Acq: 9 Jun 2015 19:43

Tgt Ion:172 Resp: 654865  
 Ion Ratio Lower Upper  
 172 100  
 171 35.9 28.5 42.7  
 170 24.2 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

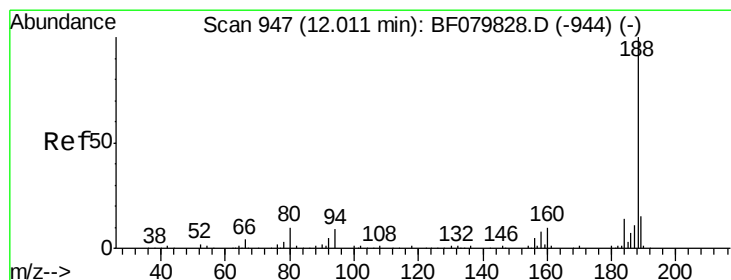
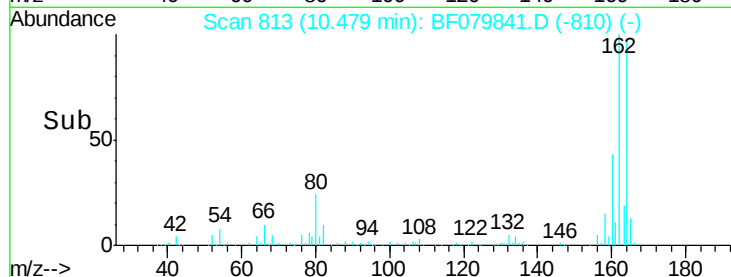
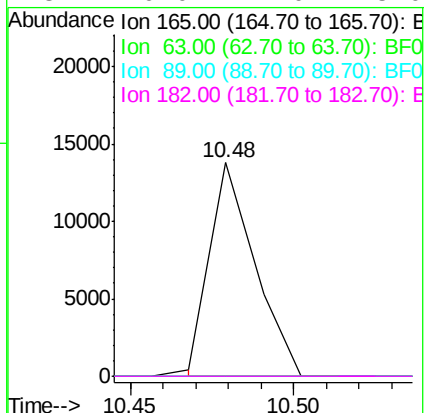
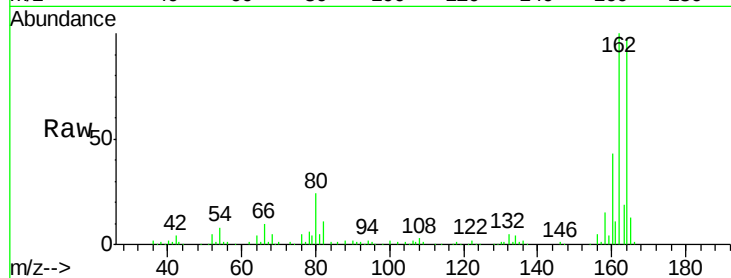




#56  
2,4-Dinitrotoluene  
Concen: 12.35 ng  
RT: 10.48 min Scan# 813  
Delta R.T. -0.17 min  
Lab File: BF079841.D  
Acq: 9 Jun 2015 19:43

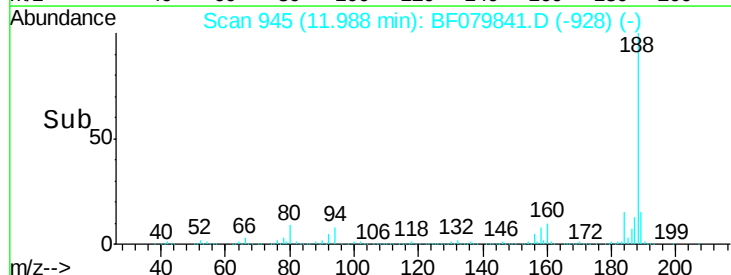
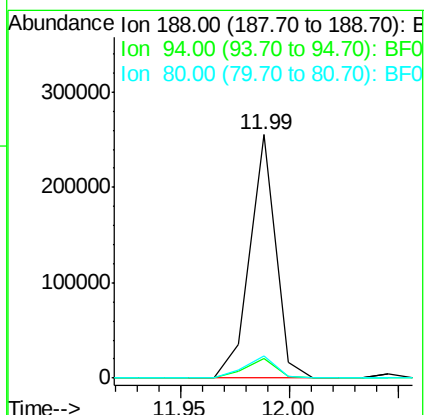
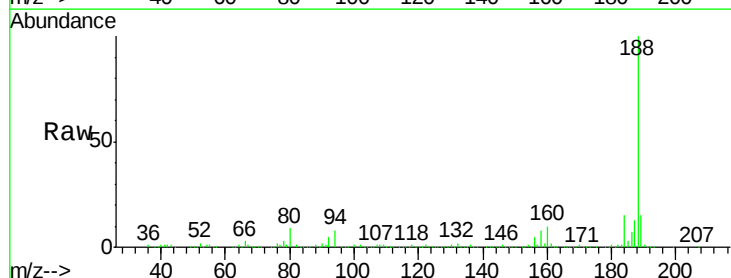
Instrument :  
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ClientSampleId :  
DRW-2

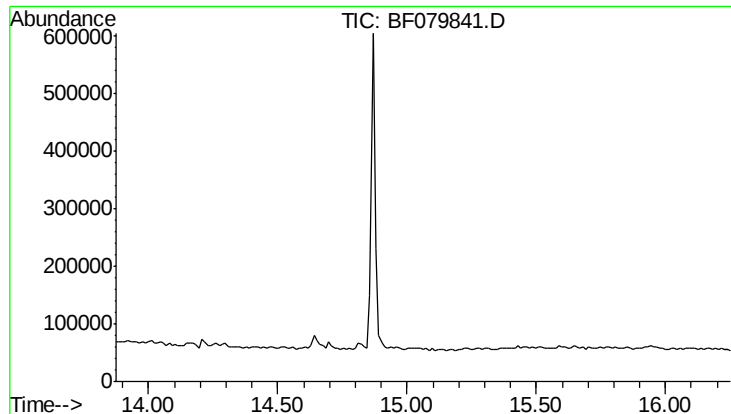
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 0.0   | 24.4  | 36.6# |
| 89      | 0.0   | 45.3  | 67.9# |
| 182     | 0.0   | 2.0   | 3.0#  |



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.99 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BF079841.D  
Acq: 9 Jun 2015 19:43

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 7.4   | 11.0  |
| 80      | 9.3   | 8.0   | 12.0  |

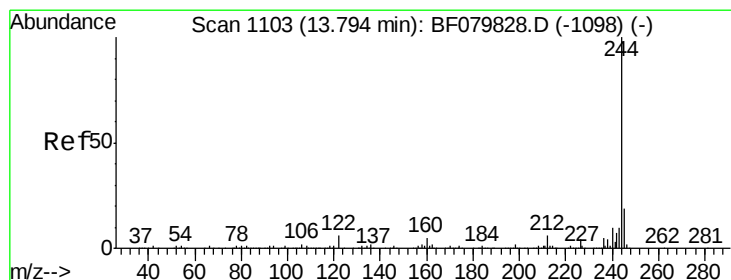
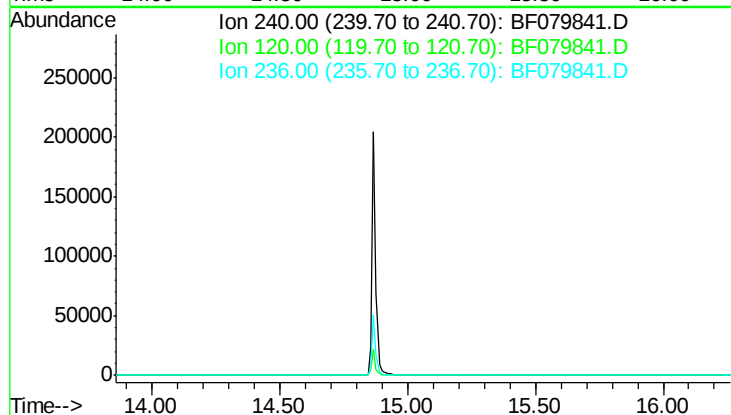




#75  
 Chrysene-d12  
 Concen: 0.00 ng  
 Expected RT: 15.06 min  
 Lab File: BF079841.D  
 Acq: 9 Jun 2015 19:43

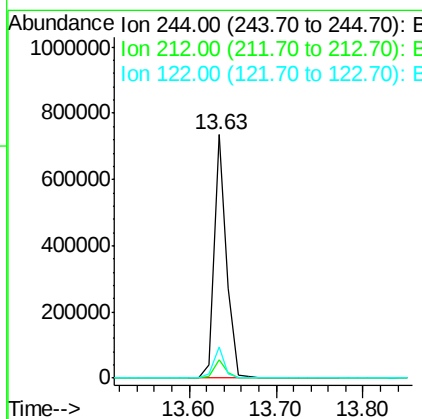
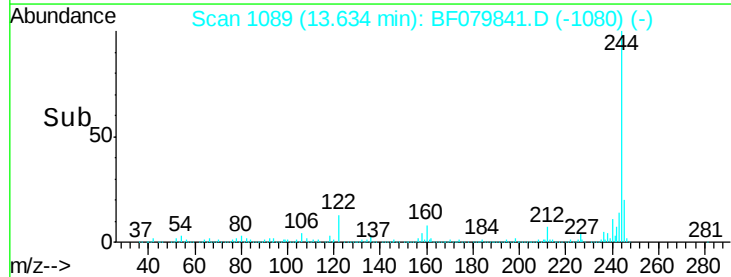
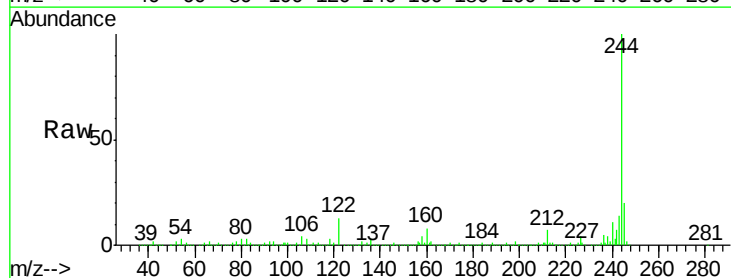
Instrument :  
 BNA\_F  
 ClientSampleId :  
 DRW-2

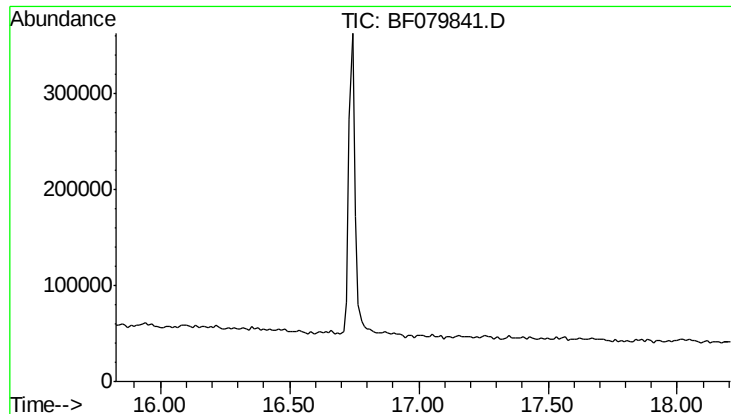
Tgt Ion: 240  
 Sig Exp Ratio  
 240 100  
 120 8.2  
 236 25.3



#78  
 Terphenyl-d14  
 Concen: 0.00 ng  
 RT: 13.63 min Scan# 1089  
 Delta R.T. -0.10 min  
 Lab File: BF079841.D  
 Acq: 9 Jun 2015 19:43

Tgt Ion: 244 Resp: 733293  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 5.6 8.4  
 122 12.8 8.2 12.2#





#86  
Perylene-d12  
Concen: 0.00 ng  
Expected RT: 17.02 min  
Lab File: BF079841.D  
Acq: 9 Jun 2015 19:43

Instrument :  
BNA\_F  
ClientSampleId :  
DRW-2

Tgt Ion: 264  
Sig Exp Ratio  
264 100  
260 24.4  
265 22.5

