

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\  
 Data File : BF079283.D  
 Acq On : 15 May 2015 21:35  
 Operator : TP/IZ  
 Sample : G2216-05  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TW-42

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Quant Time: May 15 23:59:28 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 15 22:54:46 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.18  | 152  | 59254    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.75  | 136  | 242055   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.92 | 164  | 116270   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.77 | 188  | 221750   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 16.05 | 240  | 207017   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 17.79 | 264  | 200708   | 20.00  | ng    | -0.14    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.46  | 112  | 185316m  | 53.84  | ng    | 0.00     |
| 7) Phenol-d6                | 6.74  | 99   | 150818   | 33.15  | ng    | -0.01    |
| 23) Nitrobenzene-d5         | 7.87  | 82   | 339016   | 80.49  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.91 | 330  | 175814   | 139.78 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 10.10 | 172  | 709672   | 85.04  | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.77 | 244  | 665258   | 76.94  | ng    | 0.00     |

Target Compounds Qvalue

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

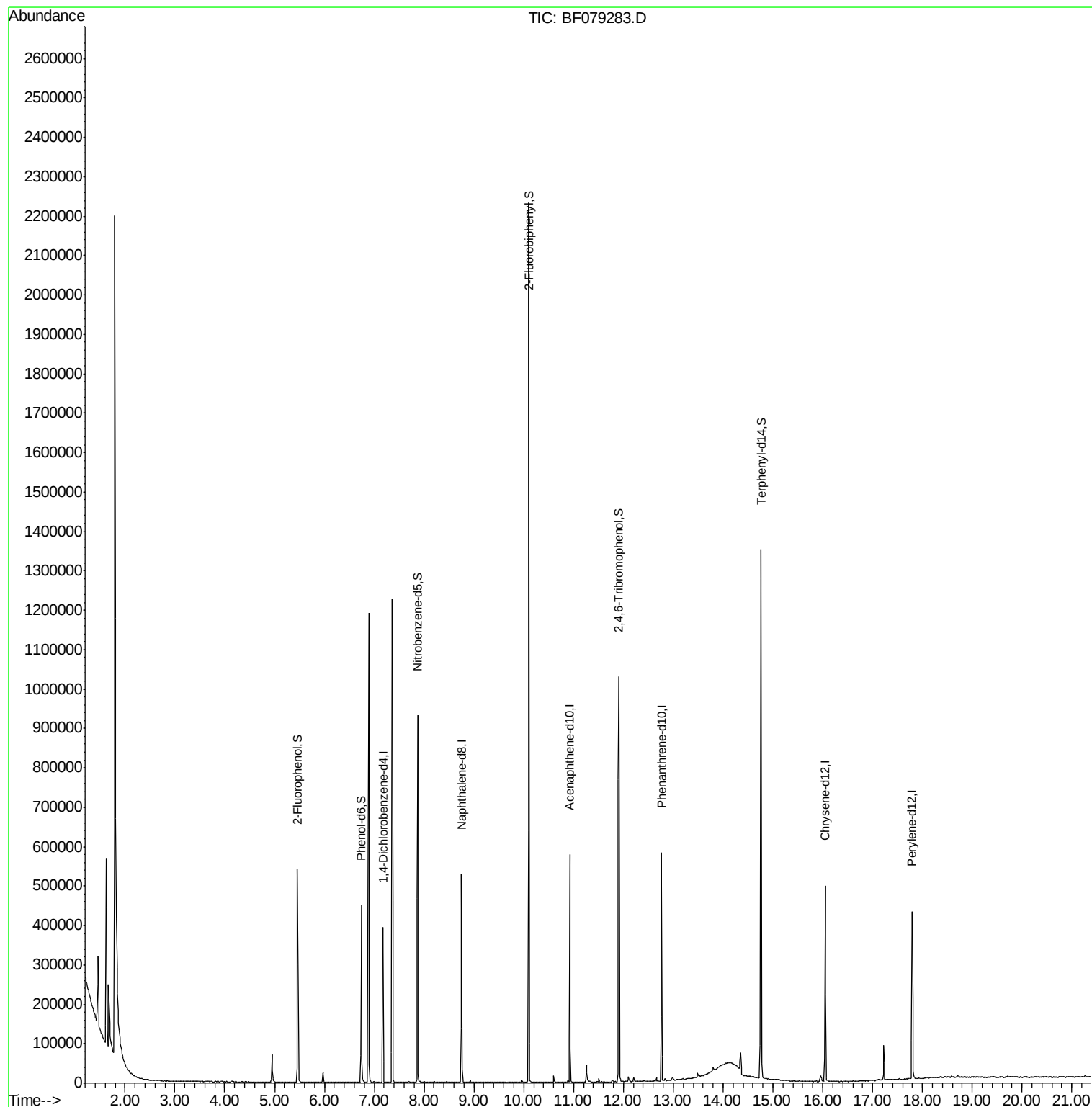
Data Path : Z:\HPCHEM1\BNA F\DATA\BF051515\  
Data File : BF079283.D  
Acq On : 15 May 2015 21:35  
Operator : TP/IZ  
Sample : G2216-05  
Misc :  
ALS Vial : 19 Sample Multiplier: 1

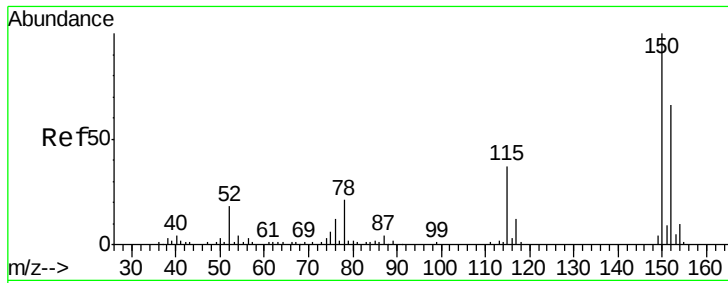
Instrument :  
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Quant Time: May 15 23:59:28 2015  
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Response via : Initial Calibration





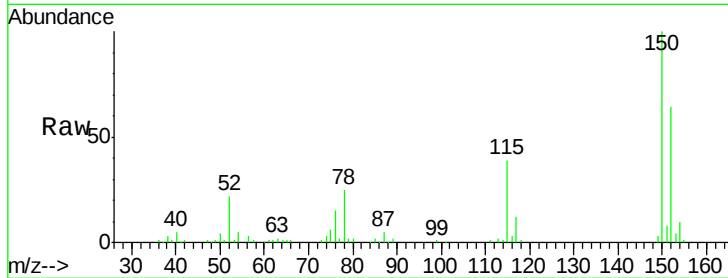
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.18 min Scan# 524  
 Delta R.T. -0.00 min  
 Lab File: BF079283.D  
 Acq: 15 May 2015 21:35

Instrument :  
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 ClientSampleId :  
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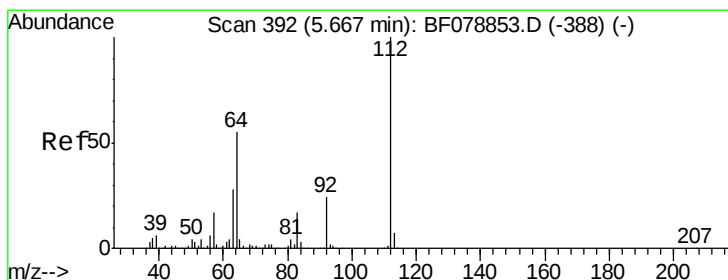
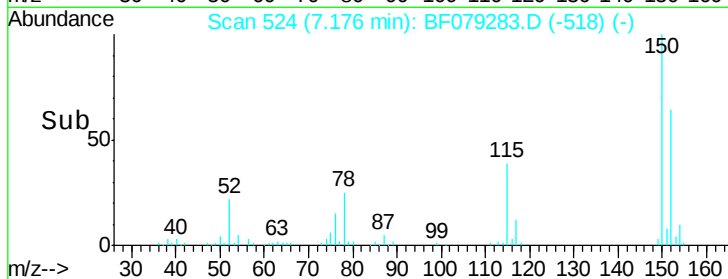
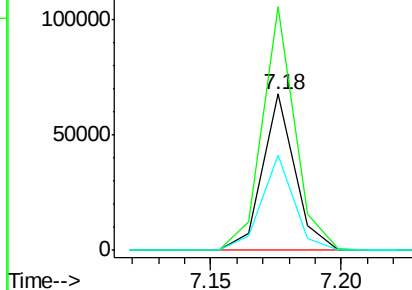
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 59254 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 155.7 | 123.8 | 185.8 |
| 115       | 60.9  | 49.4  | 74.0  |

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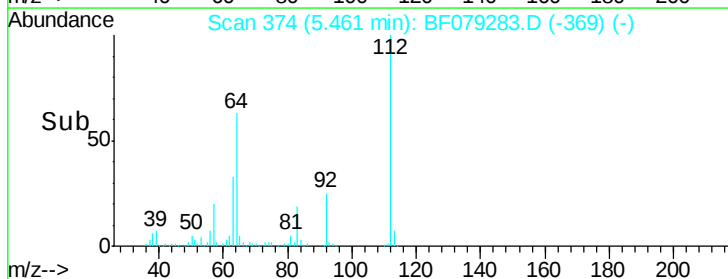
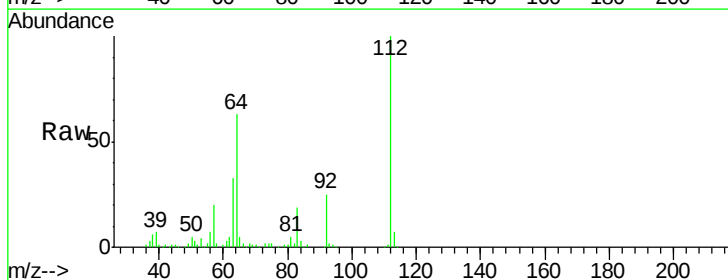
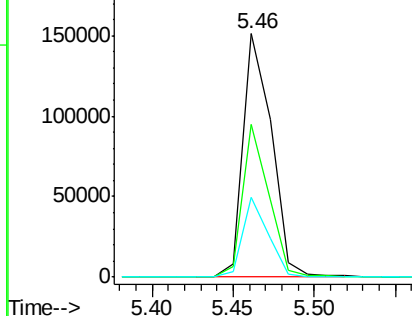
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



#5  
 2-Fluorophenol  
 Concen: 53.84 ng m  
 RT: 5.46 min Scan# 374  
 Delta R.T. -0.00 min  
 Lab File: BF079283.D  
 Acq: 15 May 2015 21:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 112   | Resp: | 185316 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 62.6  | 44.2  | 66.2   |
| 63        | 32.6  | 22.7  | 34.1   |

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: 33.15 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.01 min

Lab File: BF079283.D

Acq: 15 May 2015 21:35

Instrument :

BNA\_F

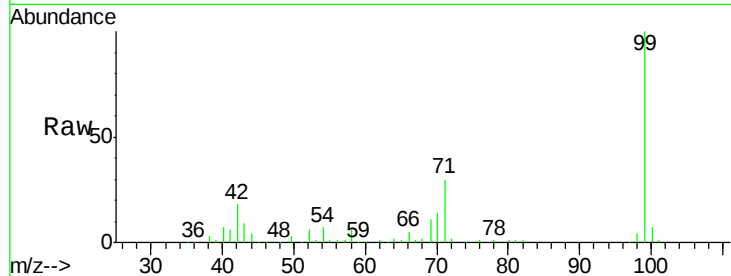
ClientSampleId :

TW-42

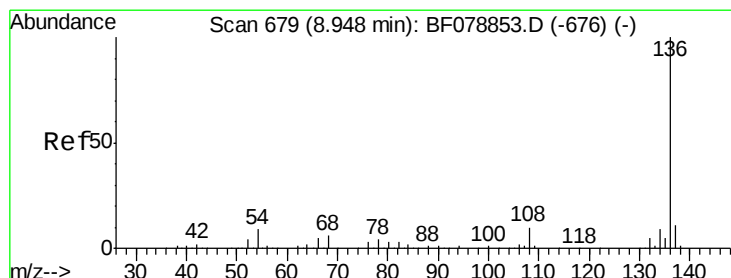
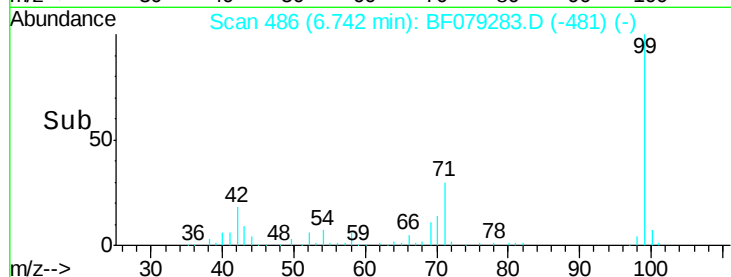
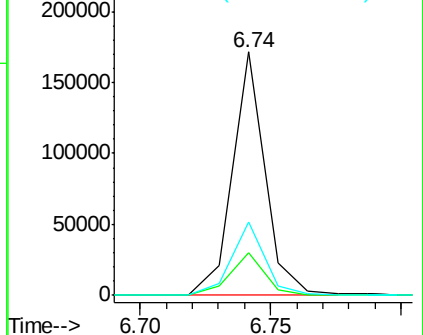
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 150818 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 17.6  | 17.1  | 25.7   |
| 71        | 30.1  | 26.3  | 39.5   |

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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: 8.75 min Scan# 662

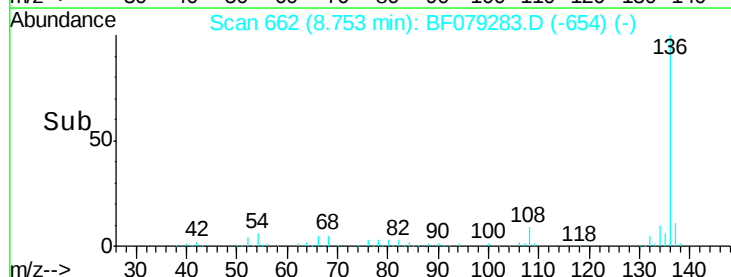
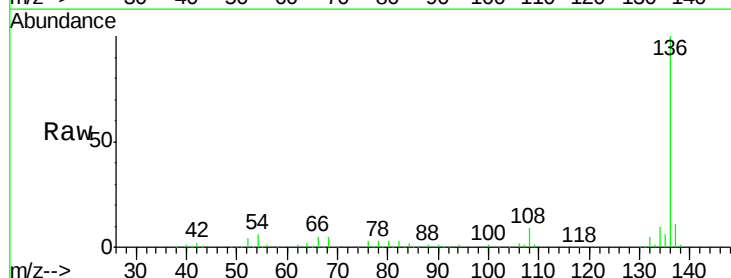
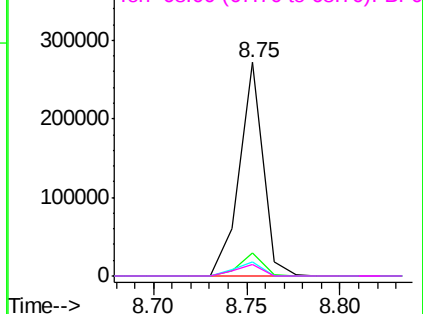
Delta R.T. -0.00 min

Lab File: BF079283.D

Acq: 15 May 2015 21:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 136   | Resp: | 242055 |
| Ion Ratio | Lower | Upper |        |
| 136       | 100   |       |        |
| 137       | 10.7  | 8.8   | 13.2   |
| 54        | 6.4   | 6.9   | 10.3#  |
| 68        | 5.2   | 4.9   | 7.3    |

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: 80.49 ng

RT: 7.87 min Scan# 585

Delta R.T. -0.00 min

Lab File: BF079283.D

Acq: 15 May 2015 21:35

Instrument :

BNA\_F

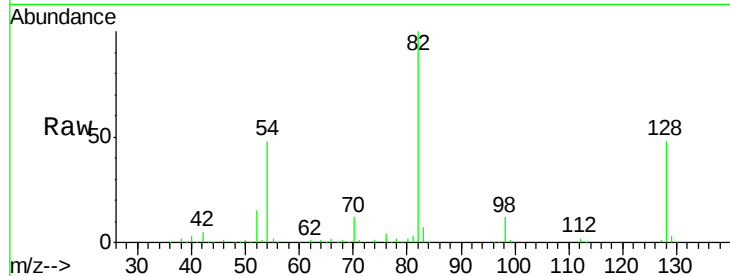
ClientSampleId :

TW-42

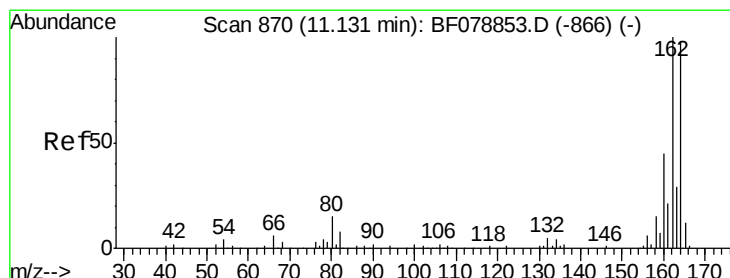
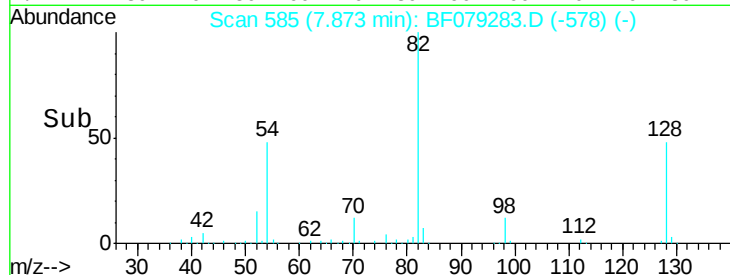
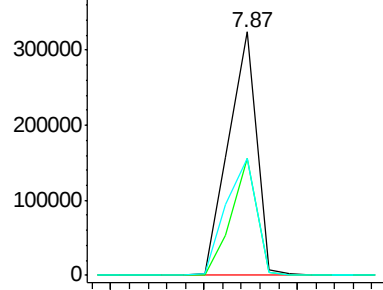
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 339016 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 128       | 47.8  | 29.7  | 44.5#  |
| 54        | 48.1  | 46.2  | 69.4   |

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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

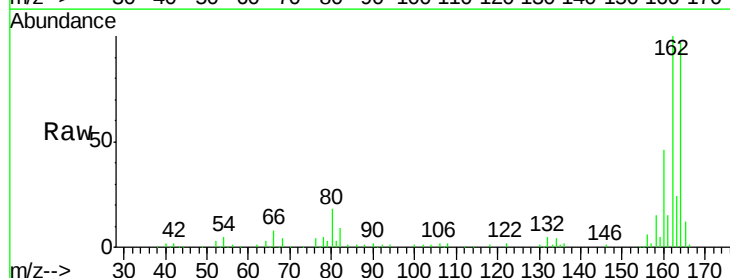
RT: 10.92 min Scan# 852

Delta R.T. -0.00 min

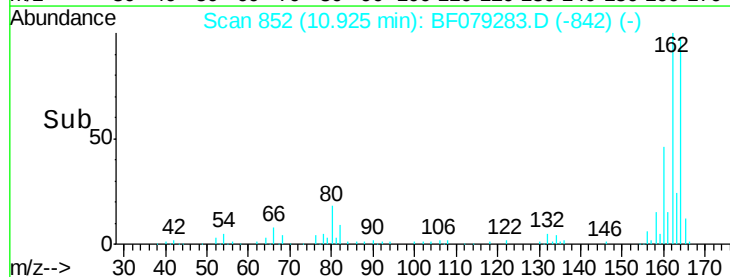
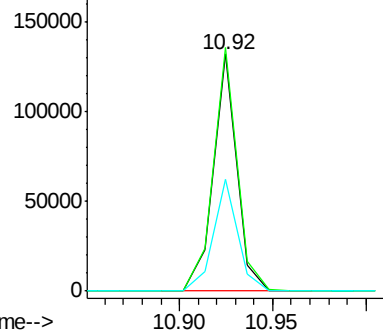
Lab File: BF079283.D

Acq: 15 May 2015 21:35

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 164   | Resp: | 116270 |
| Ion Ratio | Lower | Upper |        |
| 164       | 100   |       |        |
| 162       | 102.9 | 81.4  | 122.0  |
| 160       | 47.3  | 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





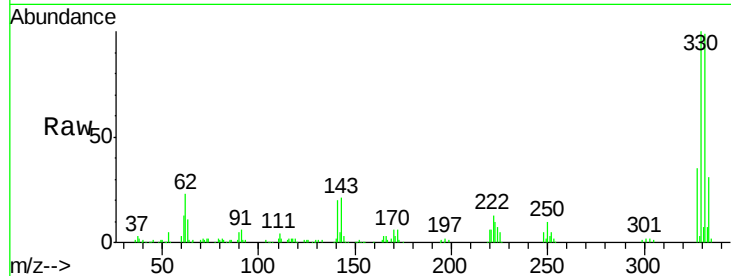
#41  
 2,4,6-Tribromophenol  
 Concen: 139.78 ng  
 RT: 11.91 min Scan# 938  
 Delta R.T. -0.00 min  
 Lab File: BF079283.D  
 Acq: 15 May 2015 21:35

Instrument :  
 BNA\_F  
 ClientSampled :  
 TW-42

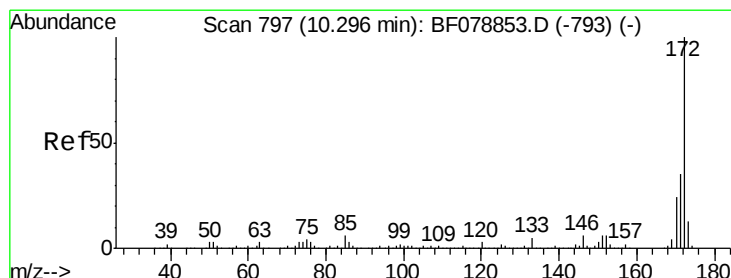
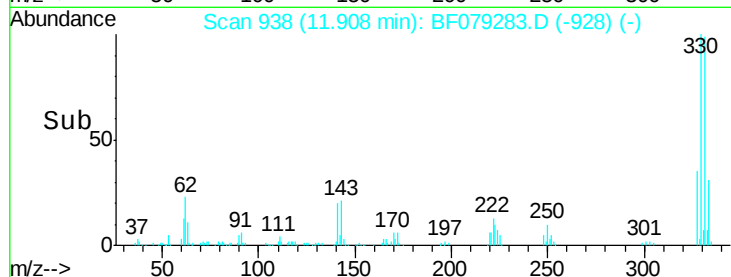
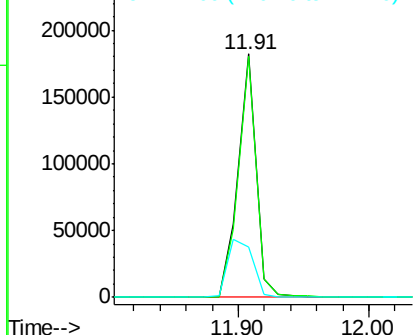
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.7  | 76.9  | 115.3 |
| 141     | 33.2  | 27.8  | 41.8  |

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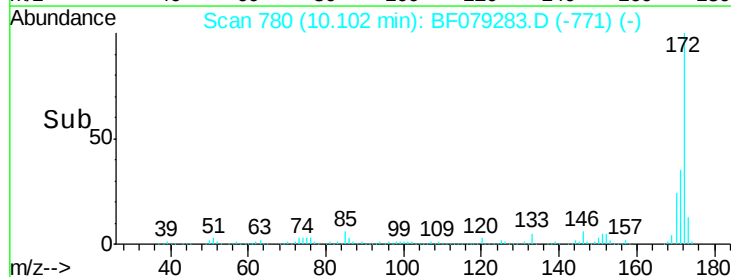
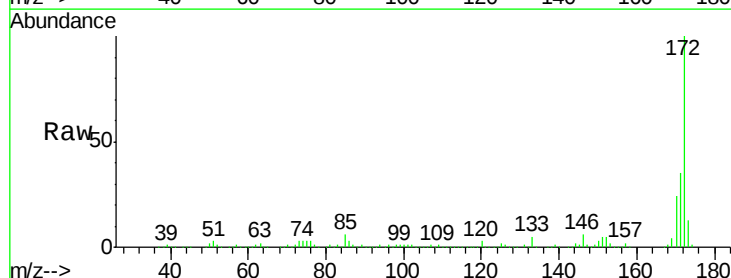
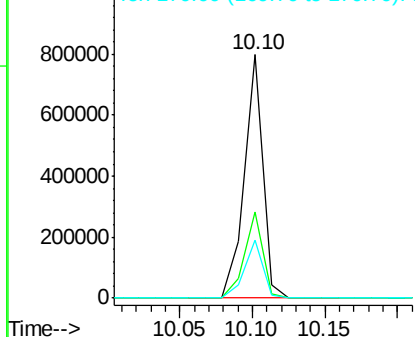
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

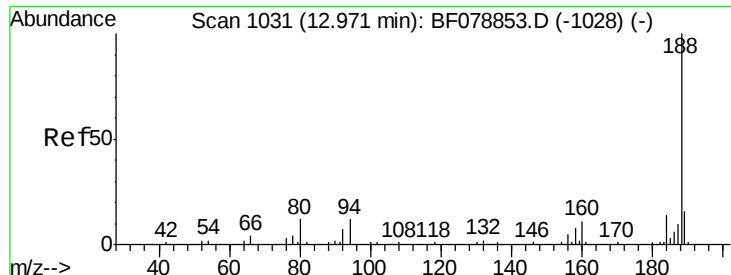


#44  
 2-Fluorobiphenyl  
 Concen: 85.04 ng  
 RT: 10.10 min Scan# 780  
 Delta R.T. -0.00 min  
 Lab File: BF079283.D  
 Acq: 15 May 2015 21:35

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.3  | 28.3  | 42.5  |
| 170     | 23.8  | 19.4  | 29.2  |

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





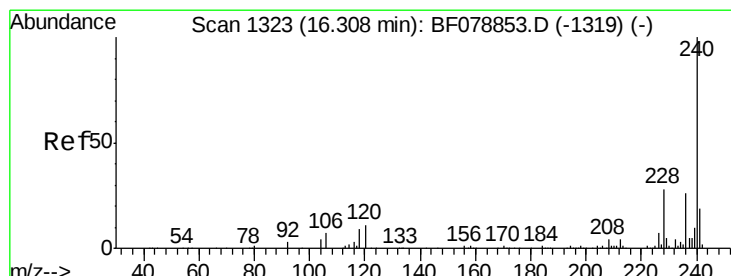
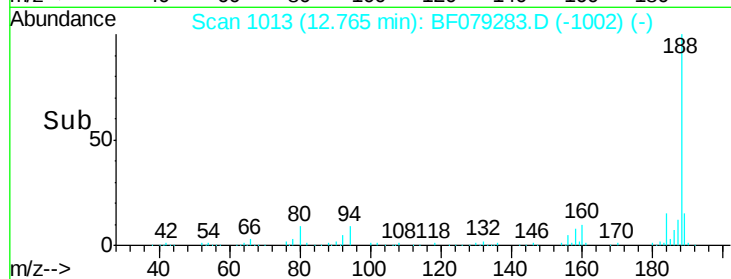
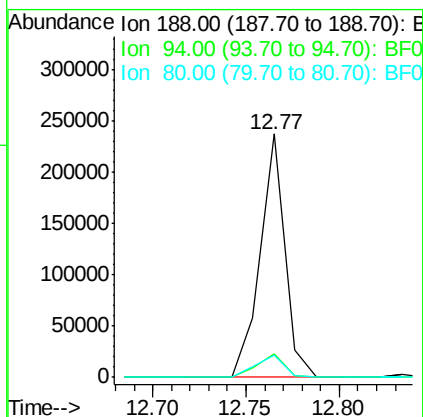
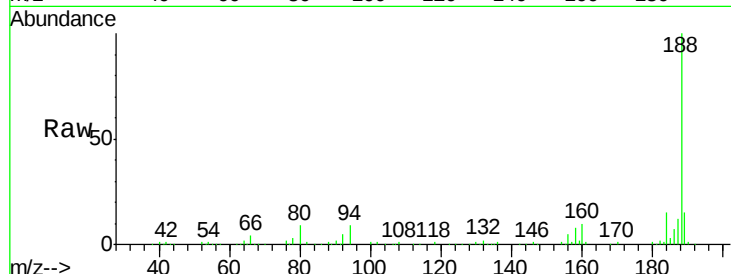
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.77 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: BF079283.D  
Acq: 15 May 2015 21:35

Instrument :  
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ClientSampleId :  
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| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 188     | 100   |            |       |
| 94      | 9.4   | 9.4        | 14.0  |
| 80      | 9.4   | 9.8        | 14.6# |

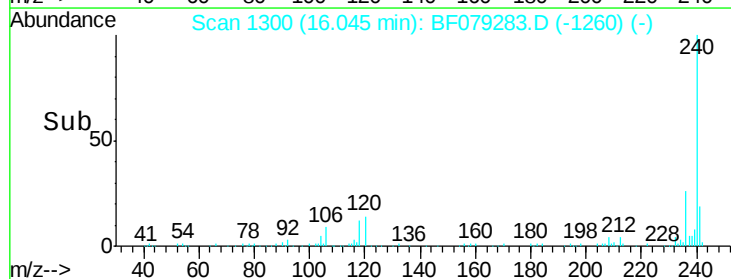
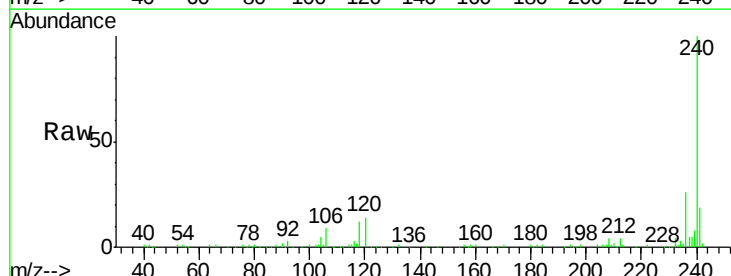
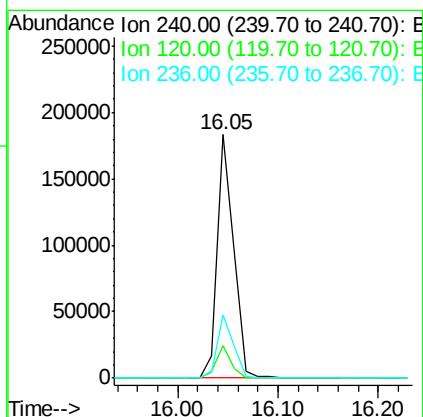
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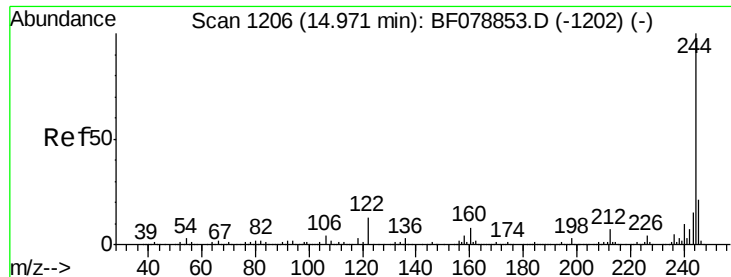
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#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.05 min Scan# 1300  
Delta R.T. -0.05 min  
Lab File: BF079283.D  
Acq: 15 May 2015 21:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 13.5  | 8.6        | 12.8# |
| 236     | 26.1  | 21.0       | 31.6  |





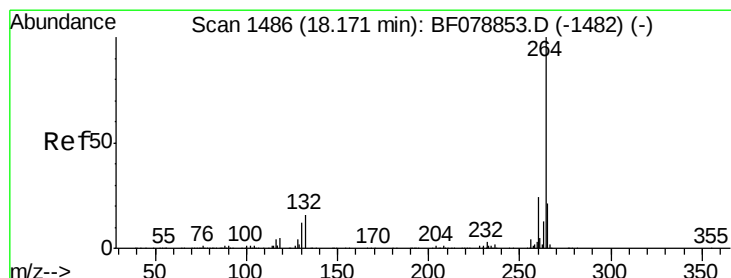
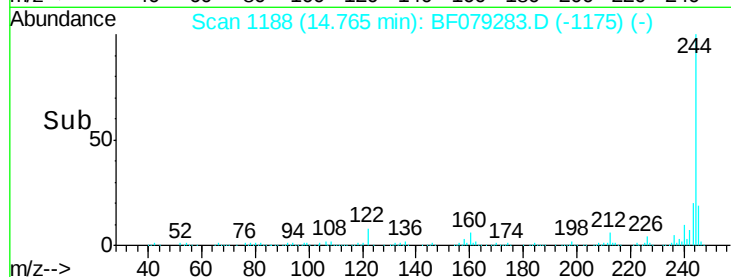
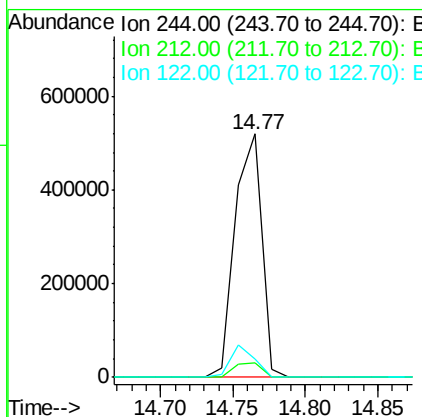
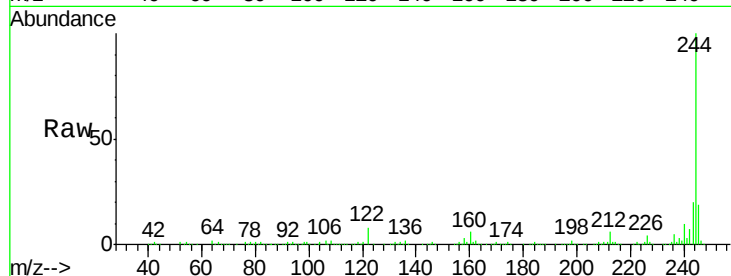
#78  
 Terphenyl-d14  
 Concen: 76.94 ng  
 RT: 14.77 min Scan# 1188  
 Delta R.T. -0.00 min  
 Lab File: BF079283.D  
 Acq: 15 May 2015 21:35

Instrument :  
 BNA\_F  
 ClientSampleId :  
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| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 6.2   | 5.6        | 8.4   |
| 122     | 7.7   | 10.5       | 15.7  |

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#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 17.79 min Scan# 1453  
 Delta R.T. -0.14 min  
 Lab File: BF079283.D  
 Acq: 15 May 2015 21:35

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 264     | 100   |            |       |
| 260     | 23.3  | 19.2       | 28.8  |
| 265     | 20.6  | 17.2       | 25.8  |

