

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051915\  
 Data File : BF079344.D  
 Acq On : 19 May 2015 16:18  
 Operator : TP/IZ  
 Sample : G2265-02  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 HW-7-5-14-15

Quant Time: May 20 05:29:43 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed May 20 05:08:22 2015  
 Response via : Initial Calibration

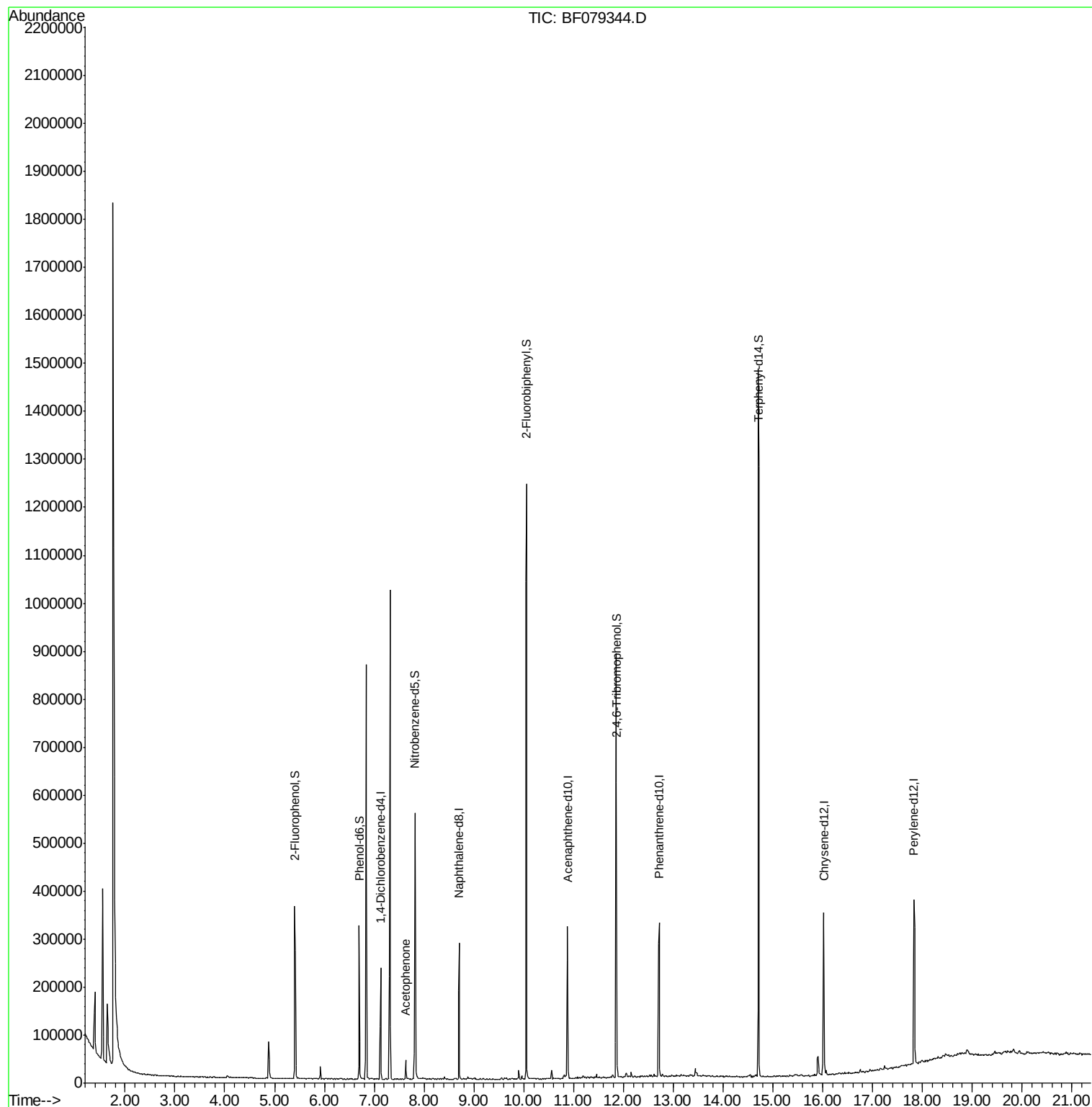
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.13  | 152  | 40993    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 8.71  | 136  | 166322   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 10.88 | 164  | 85833    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 12.72 | 188  | 169589   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 16.02 | 240  | 180627   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 17.83 | 264  | 187788   | 20.00  | ng    | 0.01           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.40  | 112  | 140933m  | 59.18  | ng    | -0.01          |
| 7) Phenol-d6                | 6.70  | 99   | 111172   | 35.32  | ng    | -0.01          |
| 23) Nitrobenzene-d5         | 7.82  | 82   | 254528   | 87.95  | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 11.86 | 330  | 150609   | 162.20 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 10.06 | 172  | 556213   | 90.28  | ng    | 0.00           |
| 78) Terphenyl-d14           | 14.72 | 244  | 702641   | 93.13  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 22) Acetophenone            | 7.63  | 105  | 13933    | 3.71   | ng    | Qvalue<br># 94 |

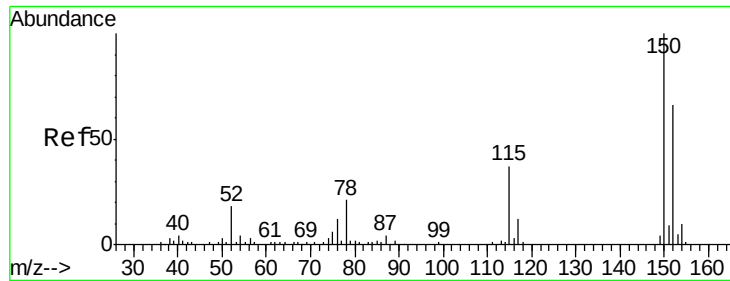
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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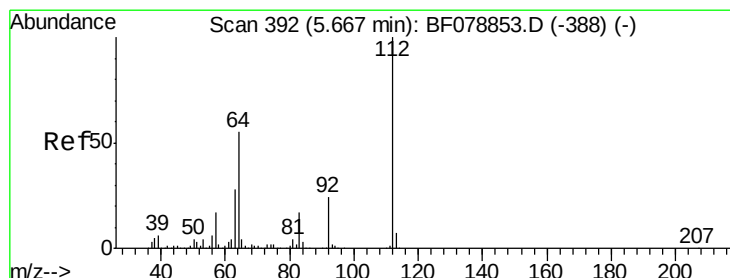
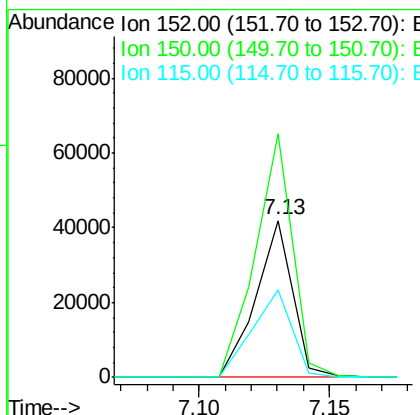
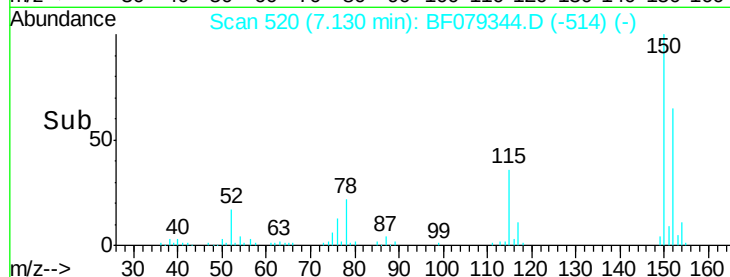
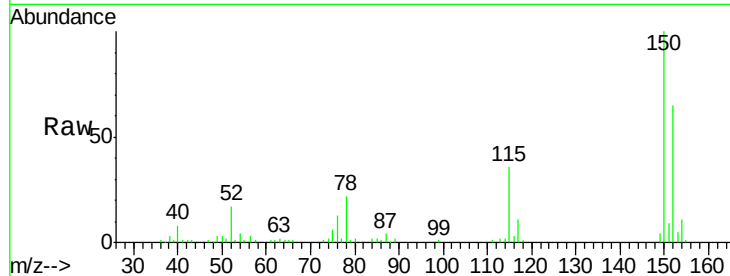


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.13 min Scan# 520  
Delta R.T. 0.00 min  
Lab File: BF079344.D  
Acq: 19 May 2015 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
HW-7-5-14-15

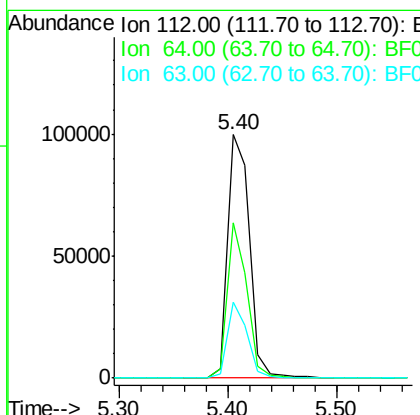
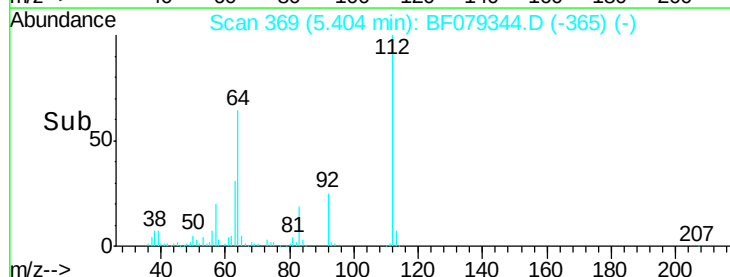
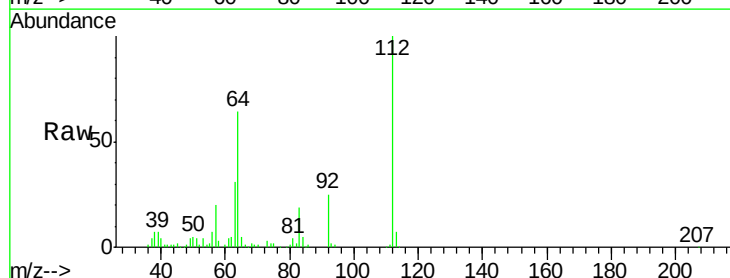
Tot Ion:152 Resp: 40993  
Ion Ratio Lower Upper  
152 100  
150 155.0 123.8 185.8  
115 55.5 49.4 74.0

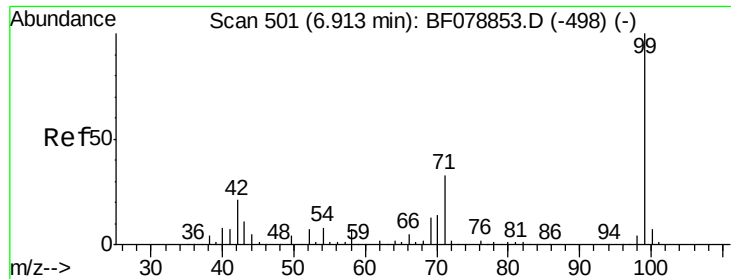


#5

2-Fluorophenol  
Concen: 59.18 ng m  
RT: 5.40 min Scan# 369  
Delta R.T. -0.01 min  
Lab File: BF079344.D  
Acq: 19 May 2015 16:18

Tgt Ion:112 Resp: 140933  
Ion Ratio Lower Upper  
112 100  
64 63.8 44.2 66.2  
63 31.3 22.7 34.1





#7

Phenol-d6

Concen: 35.32 ng

RT: 6.70 min Scan# 482

Delta R.T. -0.01 min

Lab File: BF079344.D

Acq: 19 May 2015 16:18

Instrument :

BNA\_F

ClientSampleId :

HW-7-5-14-15

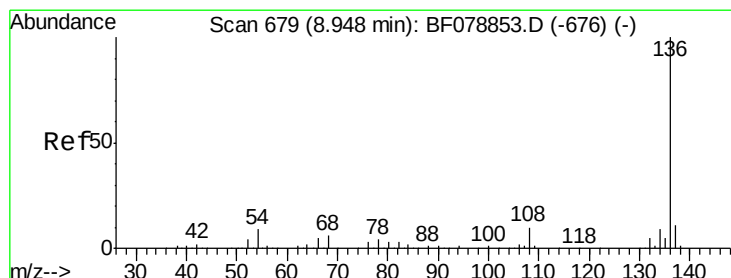
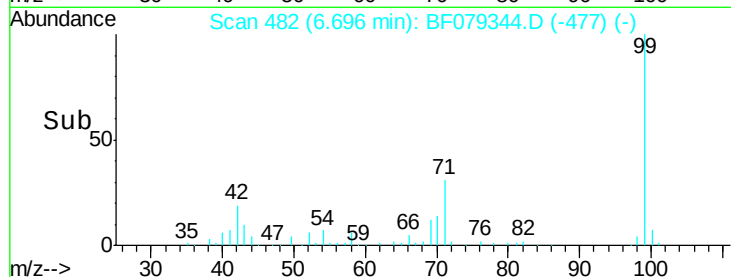
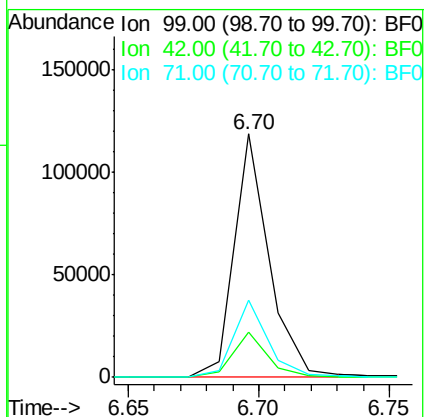
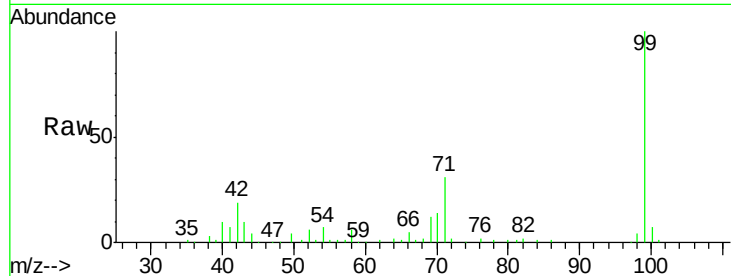
Tot Ion: 99 Resp: 111172

Ion Ratio Lower Upper

99 100

42 18.6 17.1 25.7

71 31.5 26.3 39.5



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF079344.D

Acq: 19 May 2015 16:18

Tgt Ion: 136 Resp: 166322

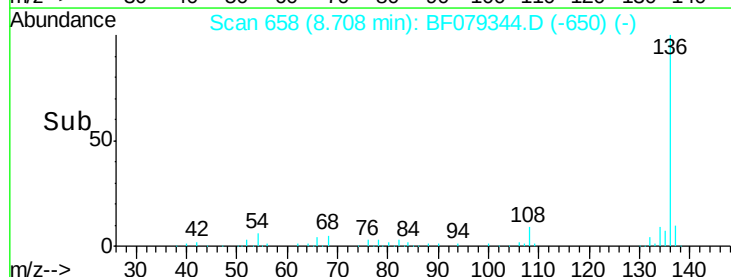
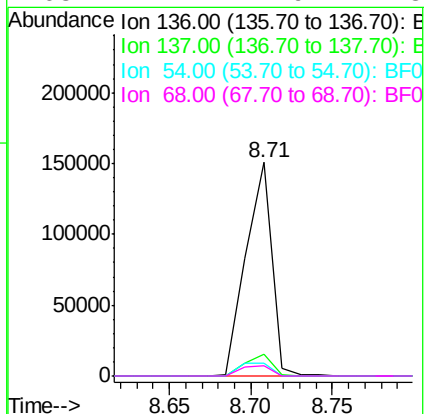
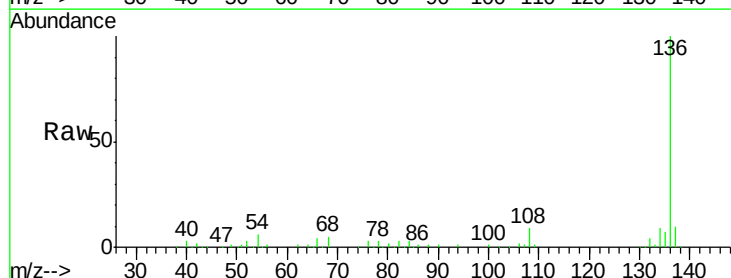
Ion Ratio Lower Upper

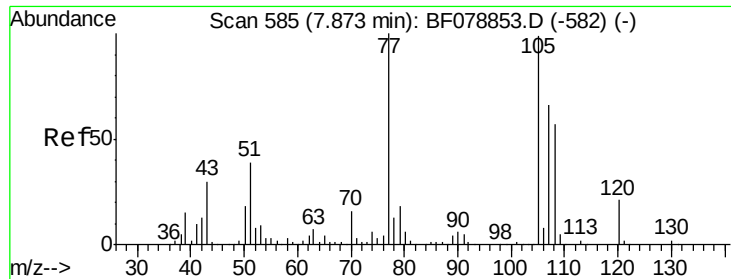
136 100

137 10.4 8.8 13.2

54 5.8 6.9 10.3#

68 4.7 4.9 7.3#





#22

Acetophenone

Concen: 3.71 ng

RT: 7.63 min Scan# 564

Delta R.T. -0.01 min

Lab File: BF079344.D

Acq: 19 May 2015 16:18

Instrument :

BNA\_F

ClientSampleId :

HW-7-5-14-15

Tot Ion:105 Resp: 13933

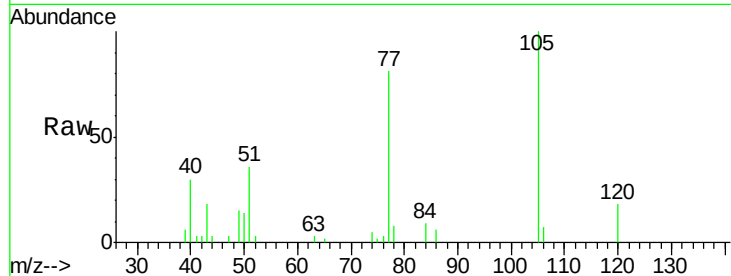
Ion Ratio Lower Upper

105 100

71 0.0 2.2 3.4#

51 35.6 31.1 46.7

120 17.7 16.7 25.1

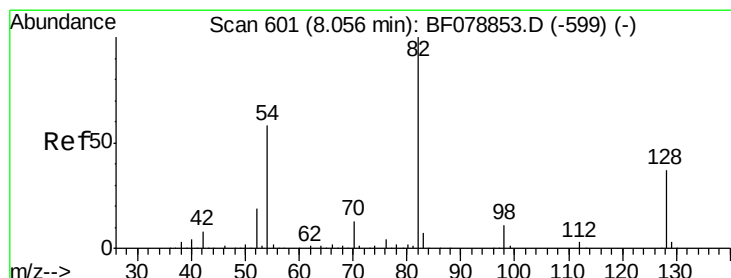
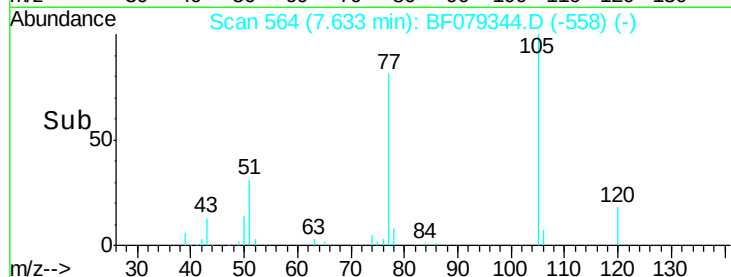
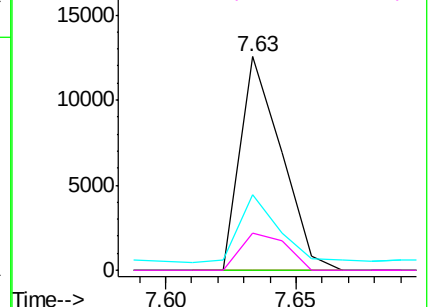


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 87.95 ng

RT: 7.82 min Scan# 580

Delta R.T. -0.01 min

Lab File: BF079344.D

Acq: 19 May 2015 16:18

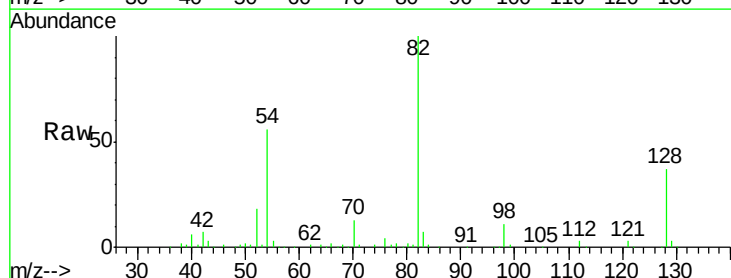
Tgt Ion: 82 Resp: 254528

Ion Ratio Lower Upper

82 100

128 36.7 29.7 44.5

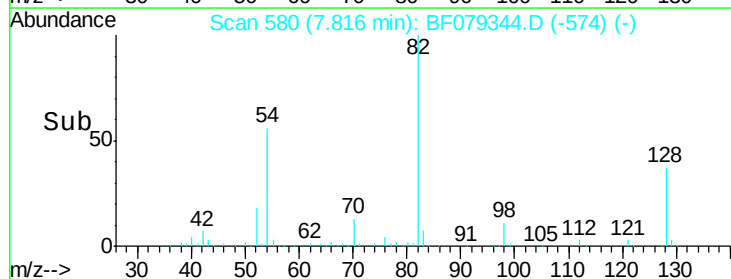
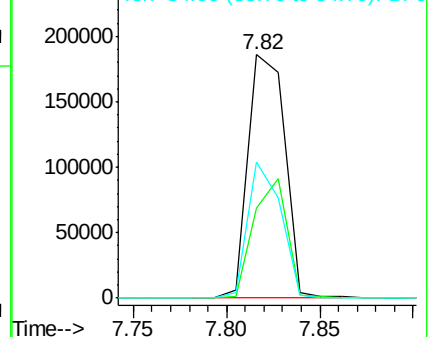
54 55.9 46.2 69.4

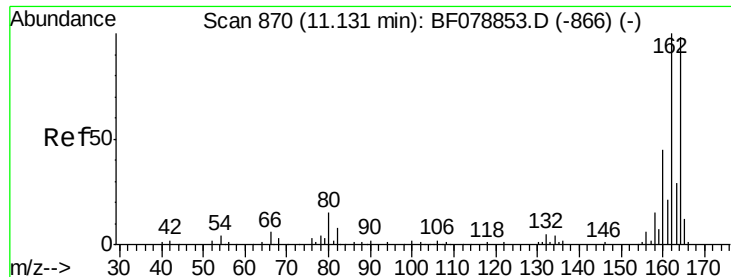


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

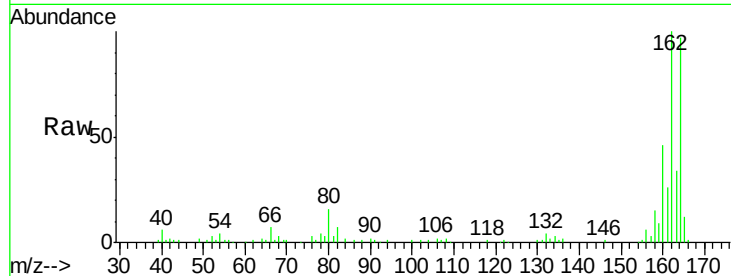




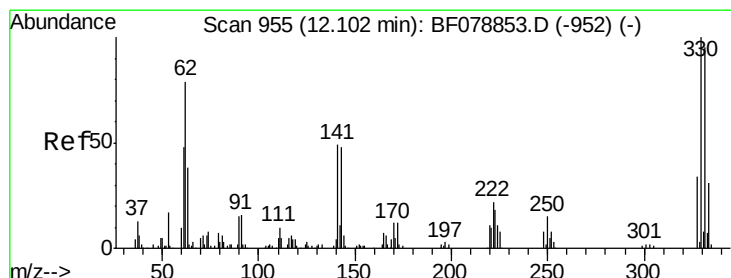
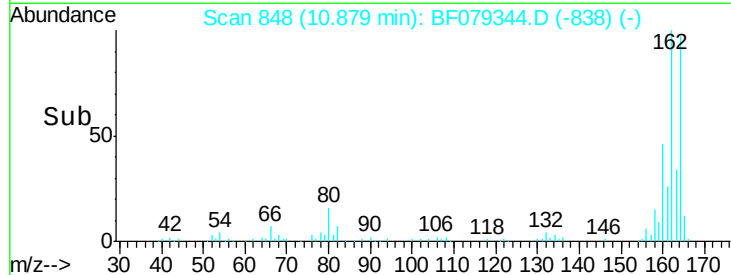
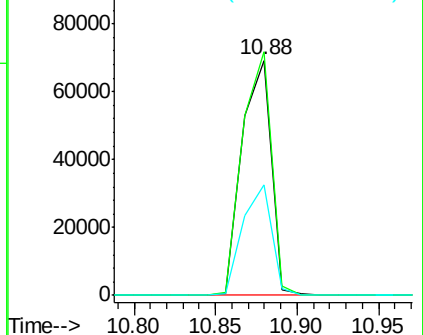
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.88 min Scan# 848  
 Delta R.T. 0.00 min  
 Lab File: BF079344.D  
 Acq: 19 May 2015 16:18

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Tot Ion:164 Resp: 85833  
 Ion Ratio Lower Upper  
 164 100  
 162 103.6 81.4 122.0  
 160 47.2 36.6 54.8

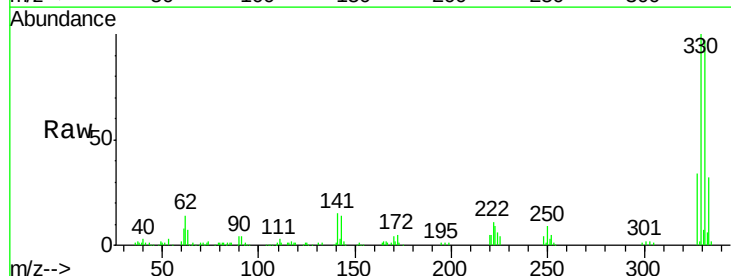


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

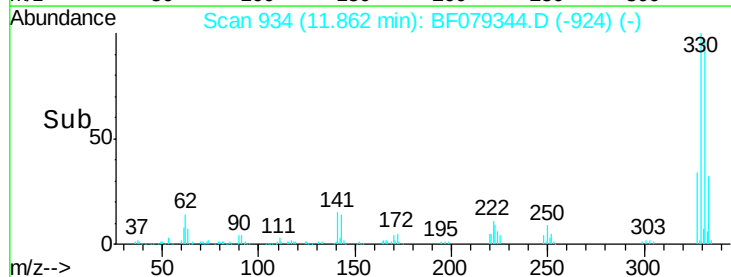
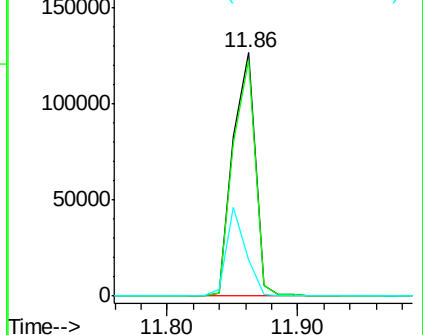


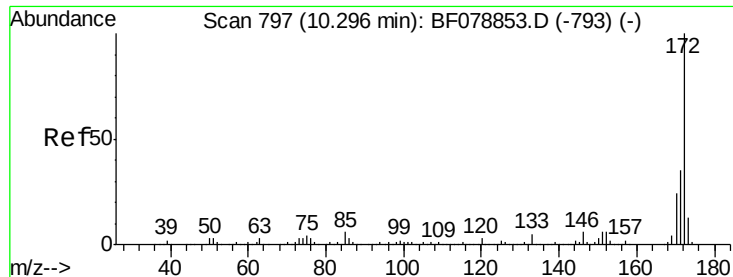
#41  
 2,4,6-Tribromophenol  
 Concen: 162.20 ng  
 RT: 11.86 min Scan# 934  
 Delta R.T. 0.00 min  
 Lab File: BF079344.D  
 Acq: 19 May 2015 16:18

Tgt Ion:330 Resp: 150609  
 Ion Ratio Lower Upper  
 330 100  
 332 96.5 76.9 115.3  
 141 32.1 27.8 41.8



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

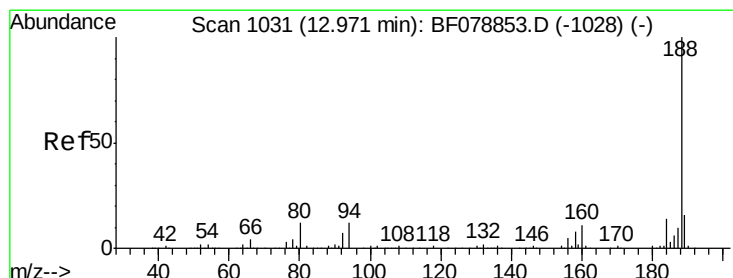
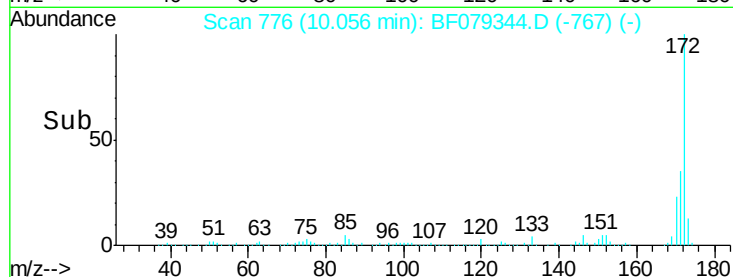
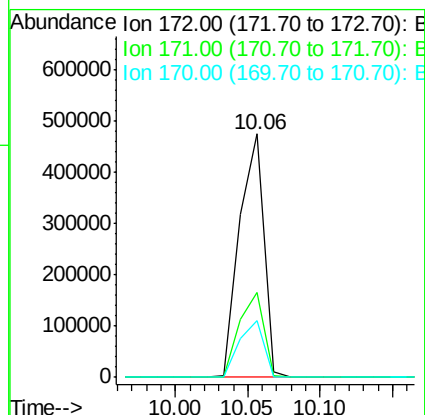
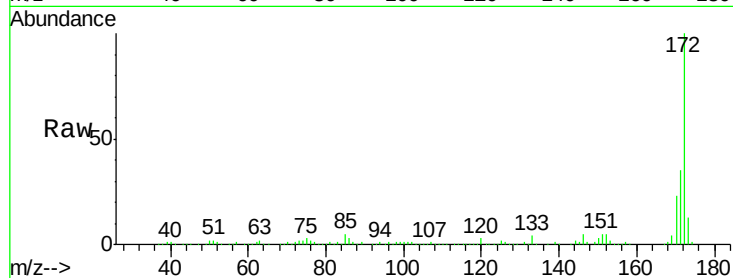




#44  
2-Fluorobiphenyl  
Concen: 90.28 ng  
RT: 10.06 min Scan# 776  
Delta R.T. 0.00 min  
Lab File: BF079344.D  
Acq: 19 May 2015 16:18

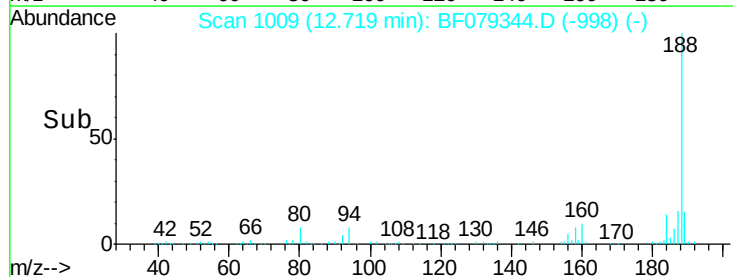
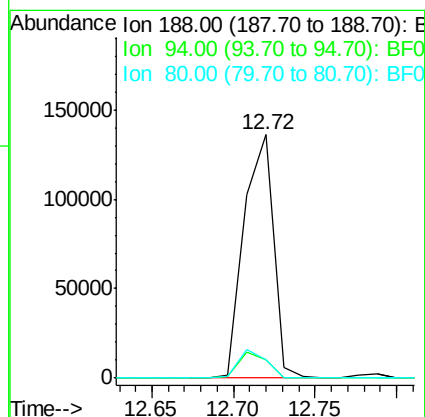
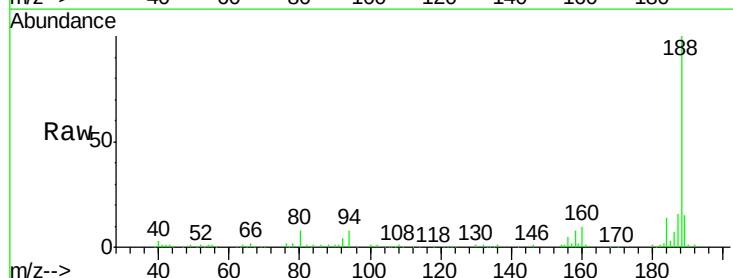
Instrument :  
BNA\_F  
ClientSampleId :  
HW-7-5-14-15

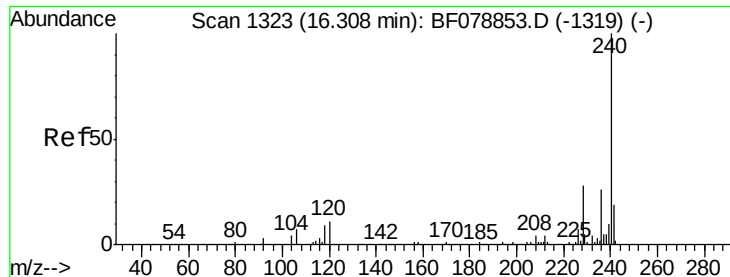
Tot Ion:172 Resp: 556213  
Ion Ratio Lower Upper  
172 100  
171 34.6 28.3 42.5  
170 23.5 19.4 29.2



#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 12.72 min Scan# 1009  
Delta R.T. 0.00 min  
Lab File: BF079344.D  
Acq: 19 May 2015 16:18

Tgt Ion:188 Resp: 169589  
Ion Ratio Lower Upper  
188 100  
94 7.6 9.4 14.0#  
80 7.5 9.8 14.6#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.02 min Scan# 1298

Delta R.T. 0.00 min

Lab File: BF079344.D

Acq: 19 May 2015 16:18

Instrument :

BNA\_F

ClientSampleId :

HW-7-5-14-15

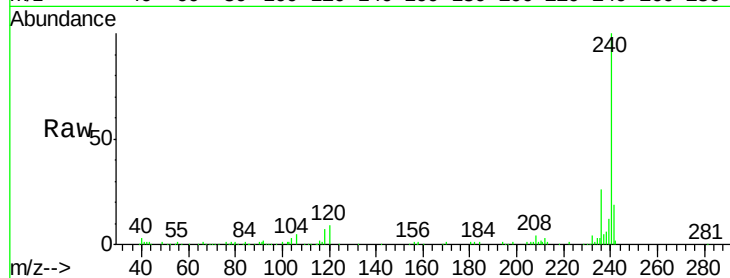
Tot Ion:240 Resp: 180627

Ion Ratio Lower Upper

240 100

120 8.8 8.6 12.8

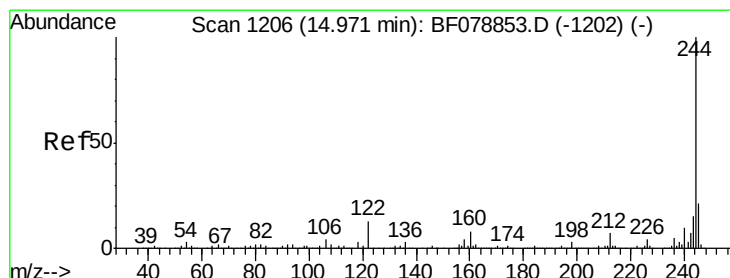
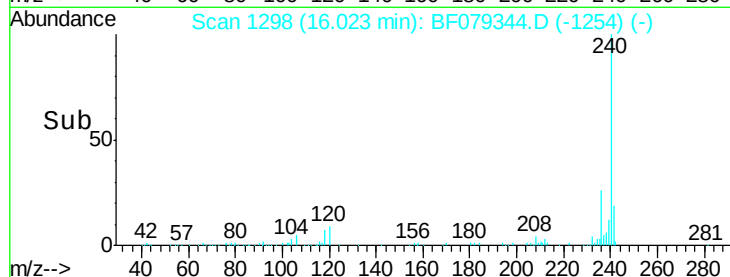
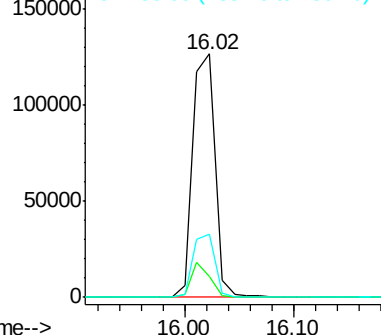
236 26.0 21.0 31.6



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: 93.13 ng

RT: 14.72 min Scan# 1184

Delta R.T. 0.00 min

Lab File: BF079344.D

Acq: 19 May 2015 16:18

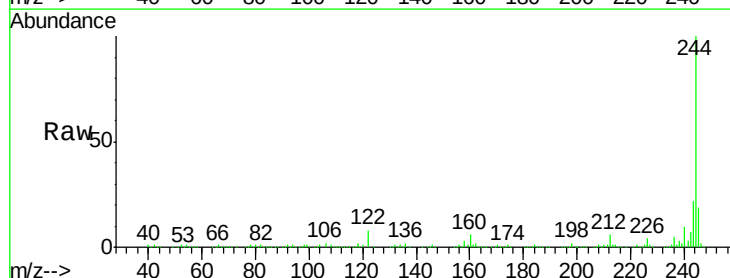
Tgt Ion:244 Resp: 702641

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

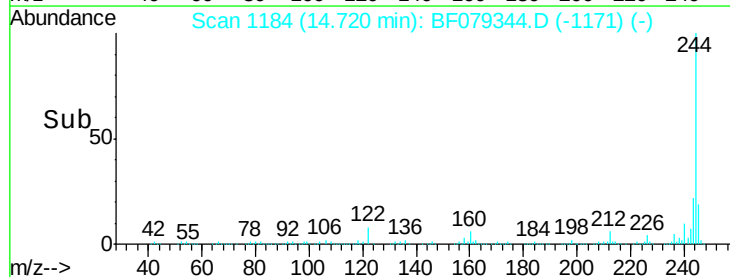
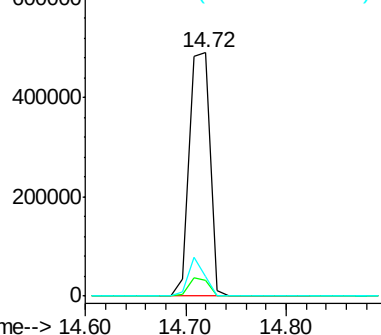
122 7.8 10.5 15.7#



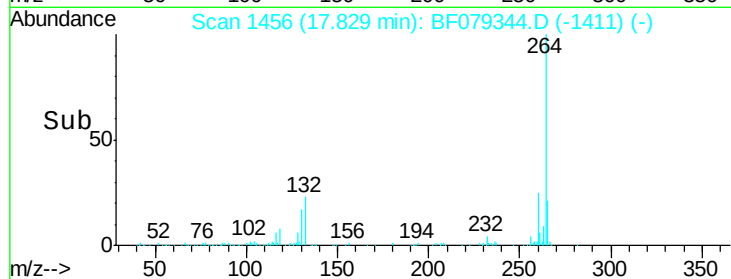
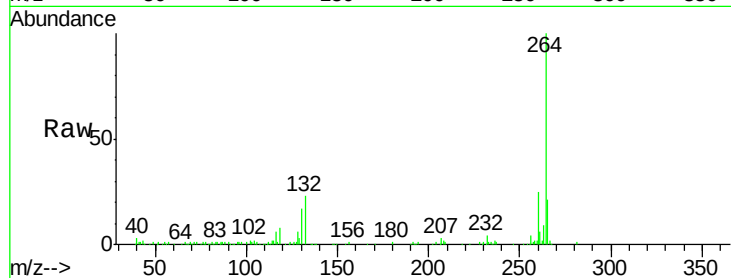
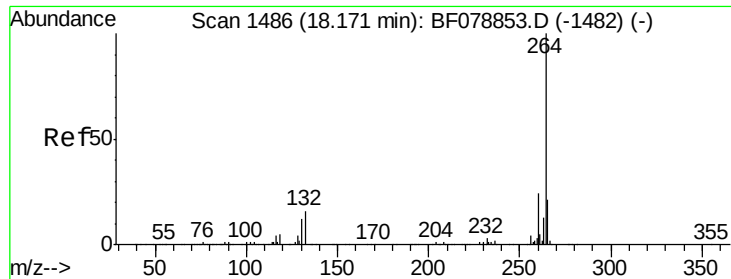
Abundance Ion 244.00 (243.70 to 244.70): E

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: 17.83 min Scan# 1456  
Delta R.T. 0.01 min  
Lab File: BF079344.D  
Acq: 19 May 2015 16:18

Instrument :  
BNA\_F  
ClientSampleId :  
HW-7-5-14-15

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.9  | 19.2  | 28.8  |
| 265     | 20.9  | 17.2  | 25.8  |

