

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF060915\  
 Data File : BF079835.D  
 Acq On : 9 Jun 2015 16:47  
 Operator : TP/IZ  
 Sample : G2533-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-18

Quant Time: Jun 10 01:16:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF060915.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 10 01:06:15 2015  
 Response via : Initial Calibration

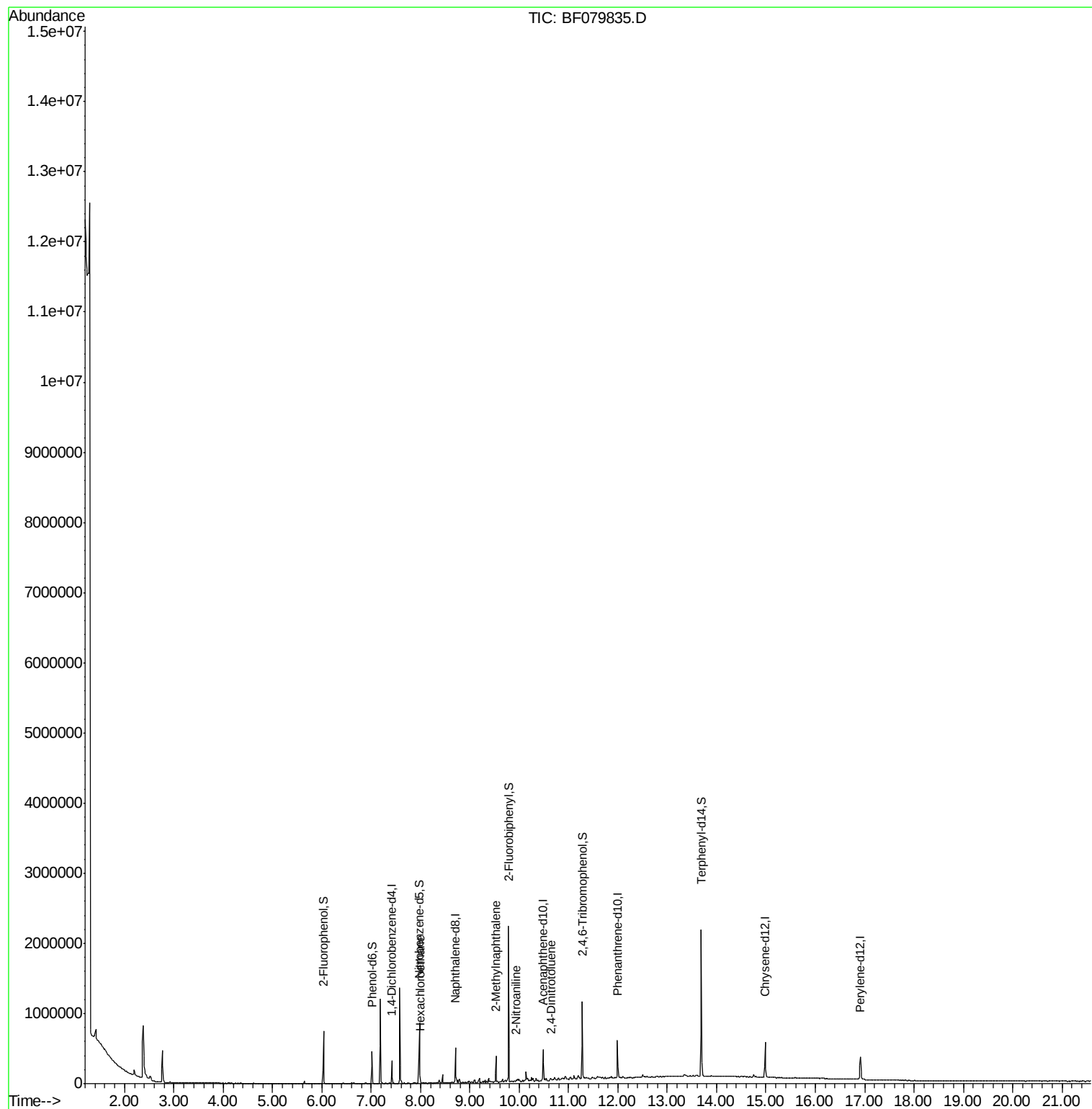
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.42  | 152  | 46774    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.71  | 136  | 197165   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.48 | 164  | 97139    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 11.99 | 188  | 197838   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 14.98 | 240  | 210037   | 20.00  | ng    | 0.05     |
| 86) Perylene-d12            | 16.91 | 264  | 192543   | 20.00  | ng    | 0.07     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 6.03  | 112  | 185467   | 65.35  | ng    | 0.00     |
| 7) Phenol-d6                | 7.02  | 99   | 179736   | 48.94  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.98  | 82   | 288971   | 84.67  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.28 | 330  | 136582   | 162.47 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 9.78  | 172  | 638314   | 92.42  | ng    | 0.00     |
| 78) Terphenyl-d14           | 13.69 | 244  | 708806   | 76.08  | ng    | 0.02     |
| Target Compounds            |       |      |          |        |       |          |
| 18) Hexachloroethane        | 7.99  | 117  | 27417    | 21.24  | ng    | # 12     |
| 37) 2-Methylnaphthalene     | 9.53  | 142  | 91615    | 12.28  | ng    | 98       |
| 47) 2-Nitroaniline          | 9.94  | 65   | 3022     | 2.10   | ng    | # 14     |
| 56) 2,4-Dinitrotoluene      | 10.64 | 165  | 789      | 7.01   | ng    | # 51     |

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

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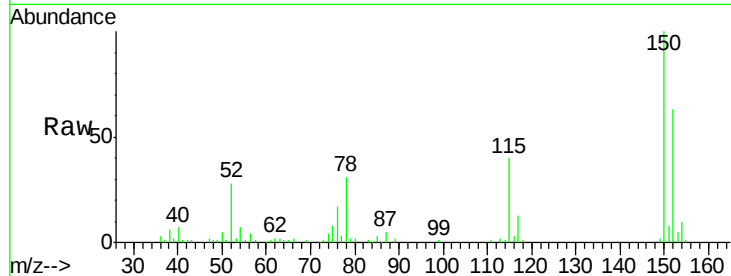


#1

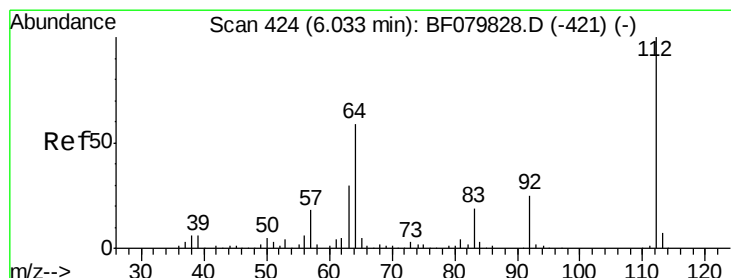
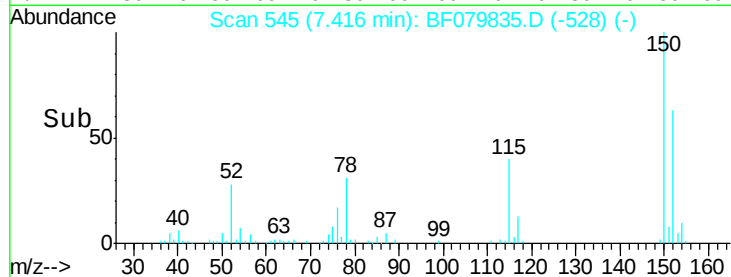
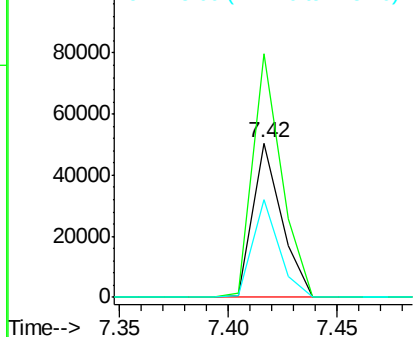
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.42 min Scan# 545  
Delta R.T. -0.00 min  
Lab File: BF079835.D  
Acq: 9 Jun 2015 16:47

Instrument :  
BNA\_F  
ClientSampled :  
MW-18

Tgt Ion:152 Resp: 46774  
Ion Ratio Lower Upper  
152 100  
150 157.8 131.4 197.2  
115 63.0 56.5 84.7



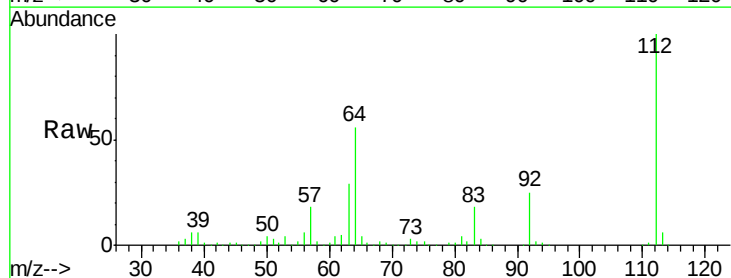
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



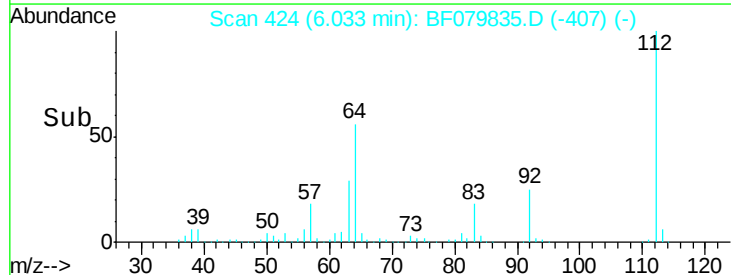
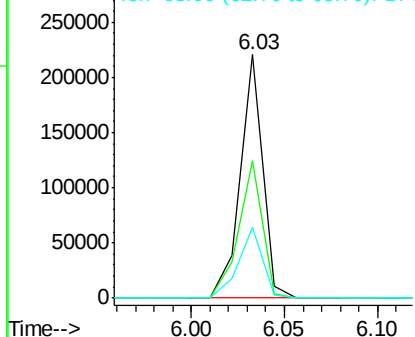
#5

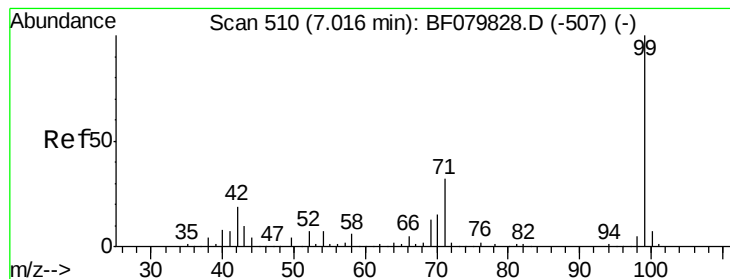
2-Fluorophenol  
Concen: 65.35 ng  
RT: 6.03 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: BF079835.D  
Acq: 9 Jun 2015 16:47

Tgt Ion:112 Resp: 185467  
Ion Ratio Lower Upper  
112 100  
64 56.4 44.2 66.4  
63 28.8 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: 48.94 ng

RT: 7.02 min Scan# 510

Delta R.T. -0.00 min

Lab File: BF079835.D

Acq: 9 Jun 2015 16:47

Instrument :

BNA\_F

ClientSampleId :

MW-18

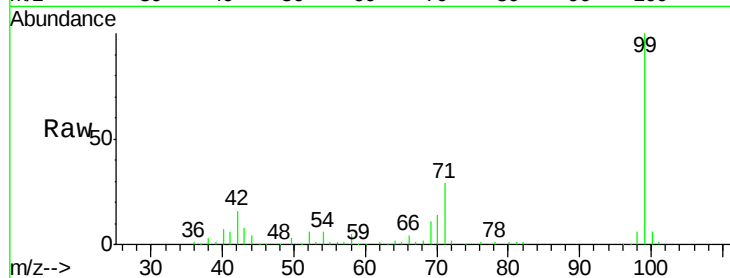
Tgt Ion: 99 Resp: 179736

Ion Ratio Lower Upper

99 100

42 15.9 13.7 20.5

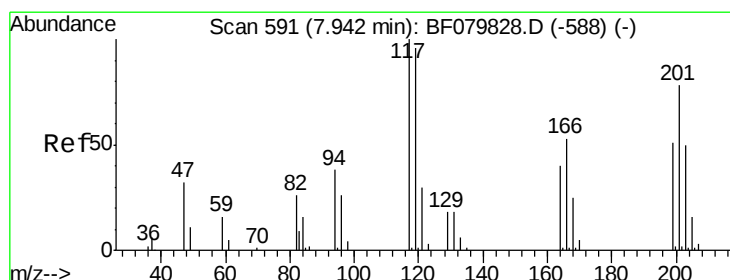
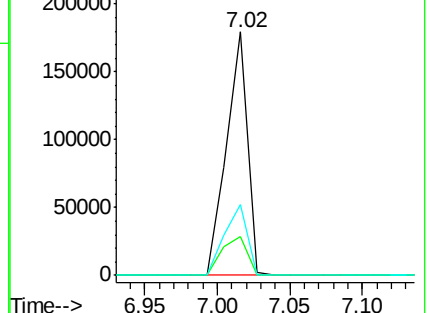
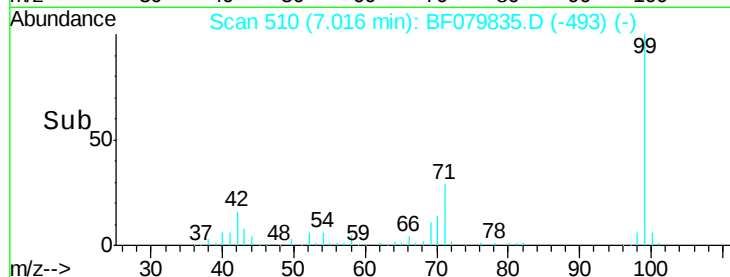
71 29.1 25.1 37.7



Abundance Ion 99.00 (98.70 to 99.70): BF079835.D (-493) (-)

Ion 42.00 (41.70 to 42.70): BF079835.D (-493) (-)

Ion 71.00 (70.70 to 71.70): BF079835.D (-493) (-)



#18

Hexachloroethane

Concen: 21.24 ng

RT: 7.99 min Scan# 595

Delta R.T. 0.05 min

Lab File: BF079835.D

Acq: 9 Jun 2015 16:47

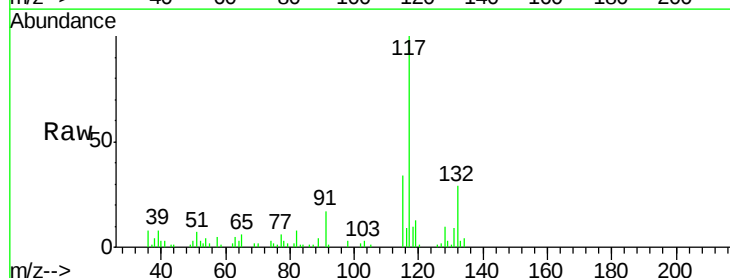
Tgt Ion: 117 Resp: 27417

Ion Ratio Lower Upper

117 100

119 13.1 76.6 114.8#

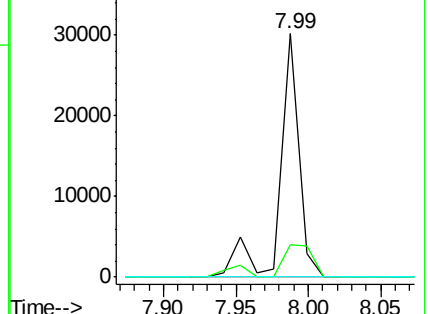
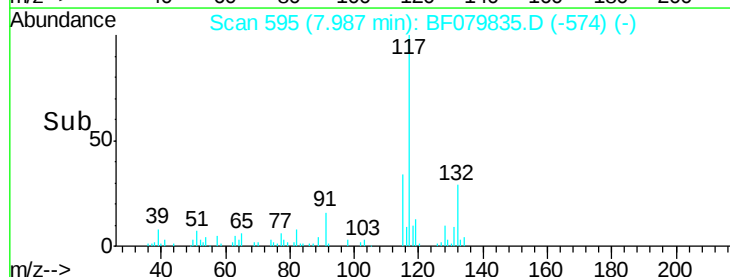
201 0.0 66.3 99.5#

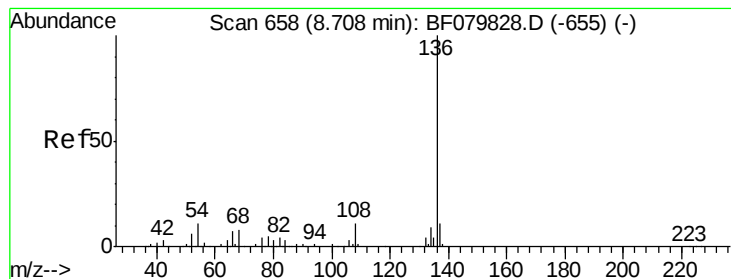


Abundance Ion 117.00 (116.70 to 117.70): BF079835.D (-574) (-)

Ion 119.00 (118.70 to 119.70): BF079835.D (-574) (-)

Ion 201.00 (200.70 to 201.70): BF079835.D (-574) (-)





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.71 min Scan# 658

Delta R.T. -0.00 min

Lab File: BF079835.D

Acq: 9 Jun 2015 16:47

Instrument :

BNA\_F

ClientSampleId :

MW-18

Tgt Ion:136 Resp: 197165

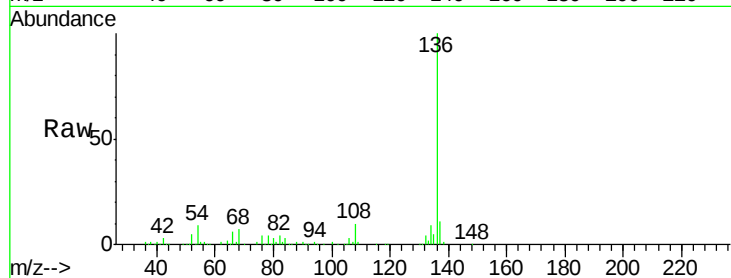
Ion Ratio Lower Upper

136 100

137 11.2 9.3 13.9

54 9.3 8.1 12.1

68 6.6 4.8 7.2

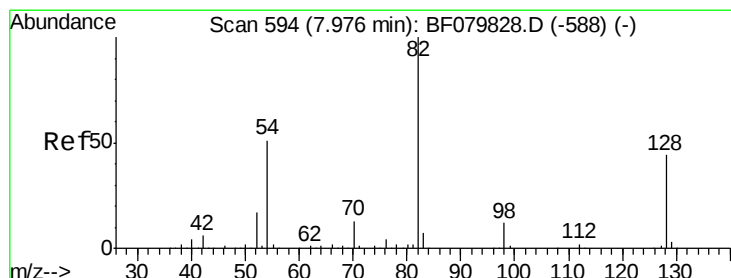
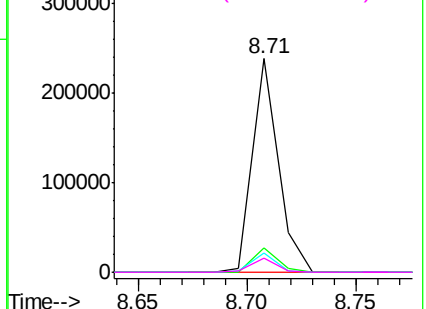
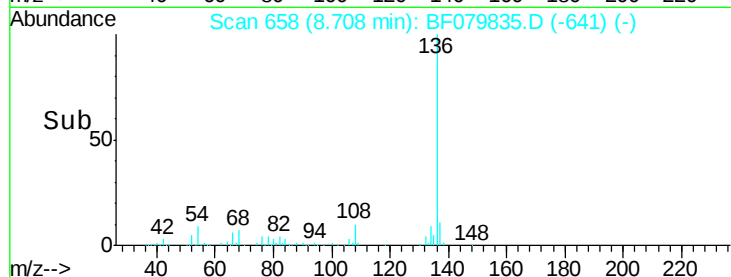


Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.67 ng

RT: 7.98 min Scan# 594

Delta R.T. -0.00 min

Lab File: BF079835.D

Acq: 9 Jun 2015 16:47

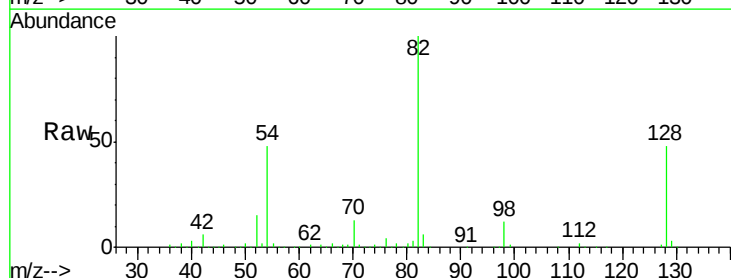
Tgt Ion: 82 Resp: 288971

Ion Ratio Lower Upper

82 100

128 48.0 35.2 52.8

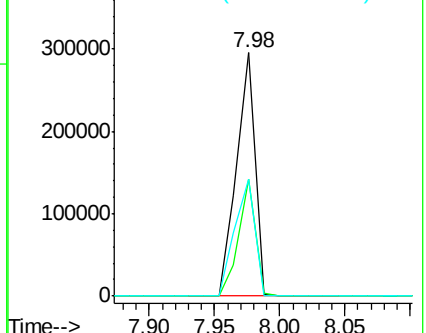
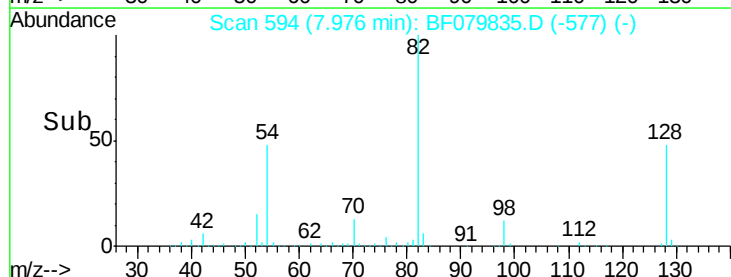
54 48.2 39.2 58.8

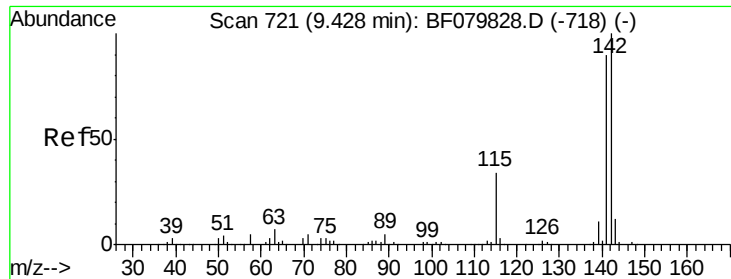


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

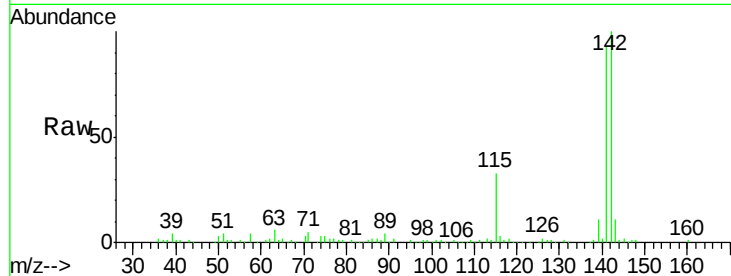




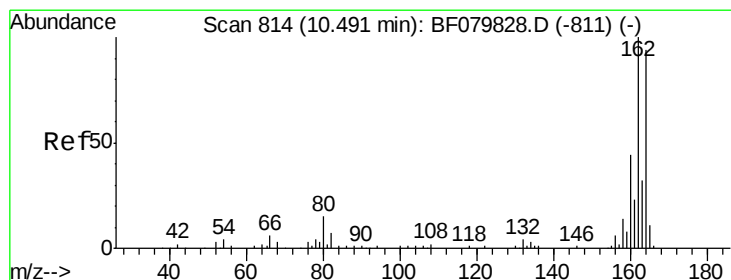
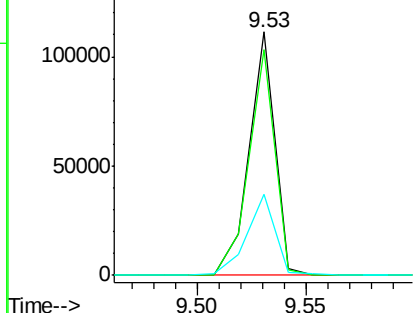
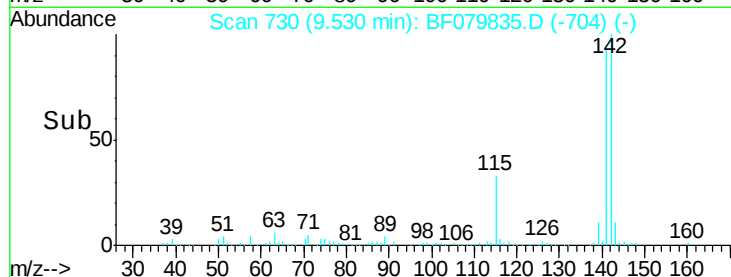
#37  
 2-Methylnaphthalene  
 Concen: 12.28 ng  
 RT: 9.53 min Scan# 730  
 Delta R.T. 0.10 min  
 Lab File: BF079835.D  
 Acq: 9 Jun 2015 16:47

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-18

Tgt Ion:142 Resp: 91615  
 Ion Ratio Lower Upper  
 142 100  
 141 92.8 72.5 108.7  
 115 33.2 27.3 40.9

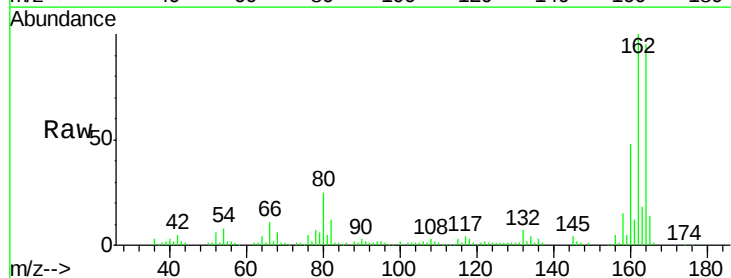


Abundance Ion 142.00 (141.70 to 142.70): E  
 Ion 141.00 (140.70 to 141.70): E  
 Ion 115.00 (114.70 to 115.70): E

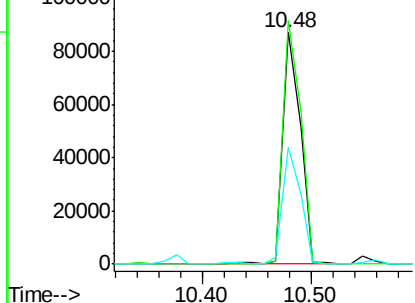
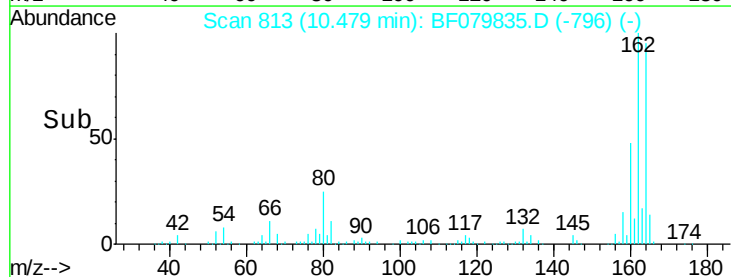


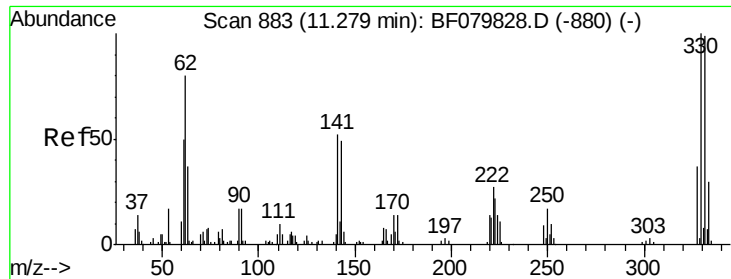
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.48 min Scan# 813  
 Delta R.T. -0.00 min  
 Lab File: BF079835.D  
 Acq: 9 Jun 2015 16:47

Tgt Ion:164 Resp: 97139  
 Ion Ratio Lower Upper  
 164 100  
 162 105.0 89.8 134.8  
 160 50.2 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

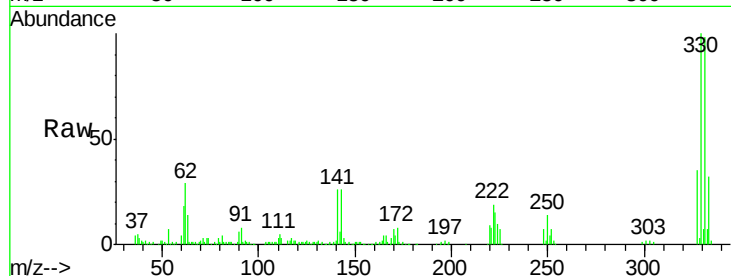




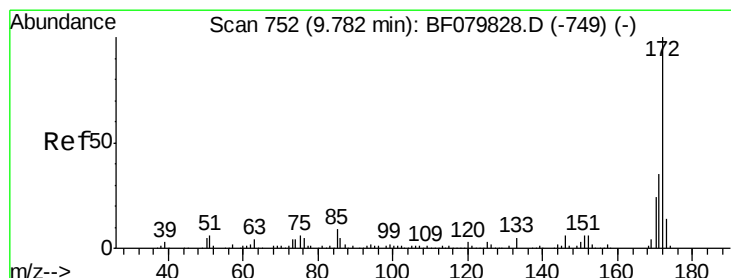
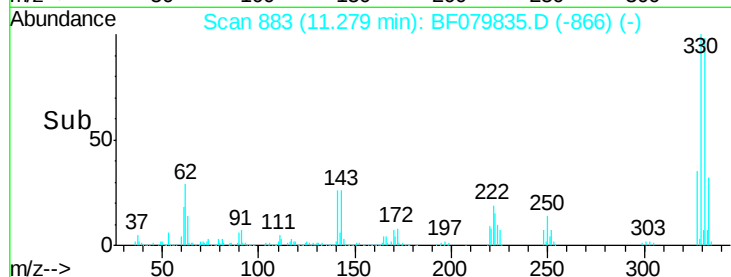
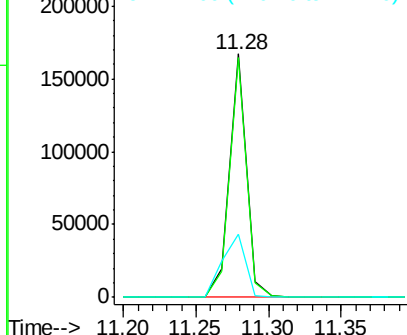
#41  
 2,4,6-Tribromophenol  
 Concen: 162.47 ng  
 RT: 11.28 min Scan# 883  
 Delta R.T. -0.00 min  
 Lab File: BF079835.D  
 Acq: 9 Jun 2015 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-18

Tgt Ion:330 Resp: 136582  
 Ion Ratio Lower Upper  
 330 100  
 332 97.6 76.8 115.2  
 141 34.9 29.1 43.7

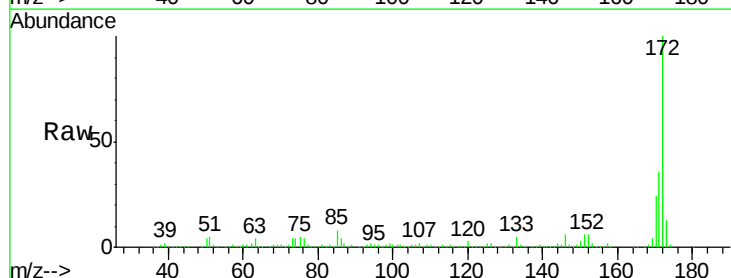


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

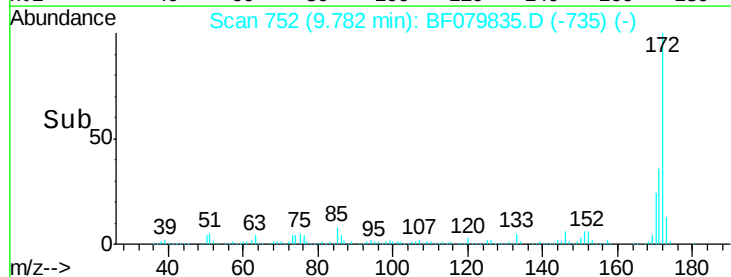
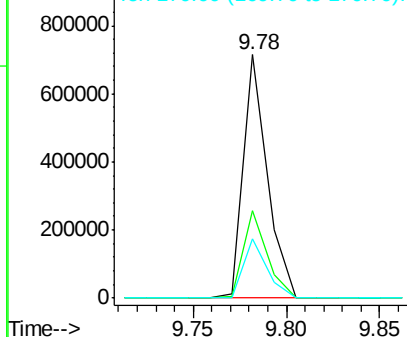


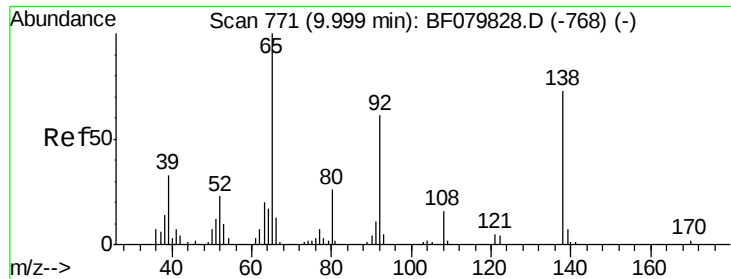
#44  
 2-Fluorobiphenyl  
 Concen: 92.42 ng  
 RT: 9.78 min Scan# 752  
 Delta R.T. -0.00 min  
 Lab File: BF079835.D  
 Acq: 9 Jun 2015 16:47

Tgt Ion:172 Resp: 638314  
 Ion Ratio Lower Upper  
 172 100  
 171 36.2 28.5 42.7  
 170 24.1 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

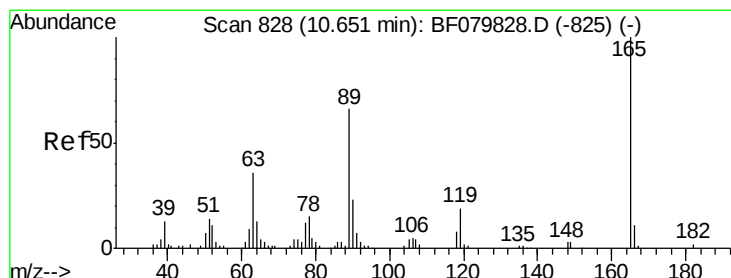
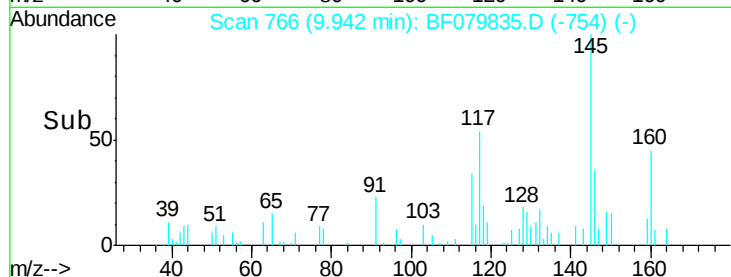
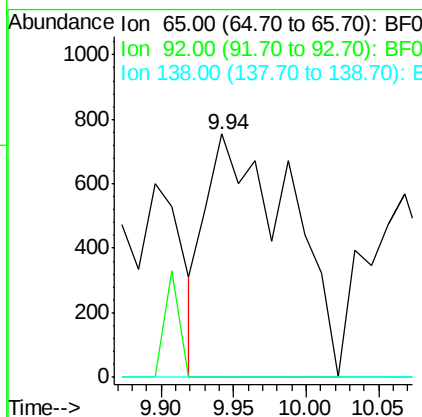
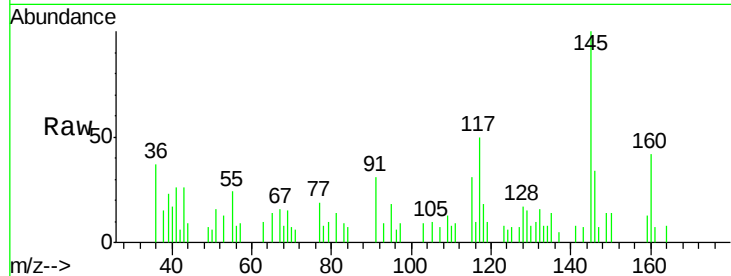




#47  
2-Nitroaniline  
Concen: 2.10 ng  
RT: 9.94 min Scan# 766  
Delta R.T. -0.06 min  
Lab File: BF079835.D  
Acq: 9 Jun 2015 16:47

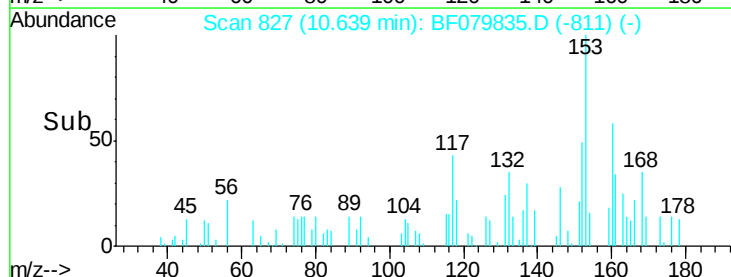
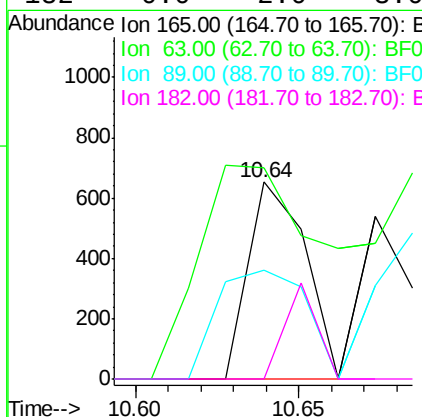
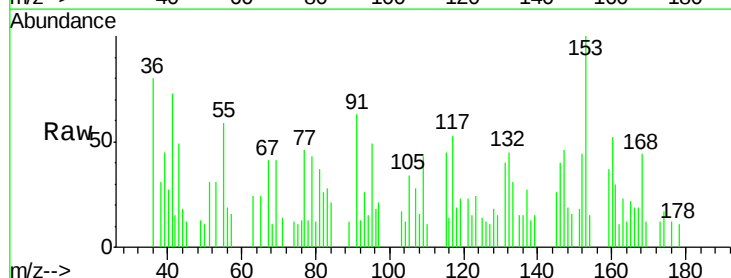
Instrument :  
BNA\_F  
ClientSampleId :  
MW-18

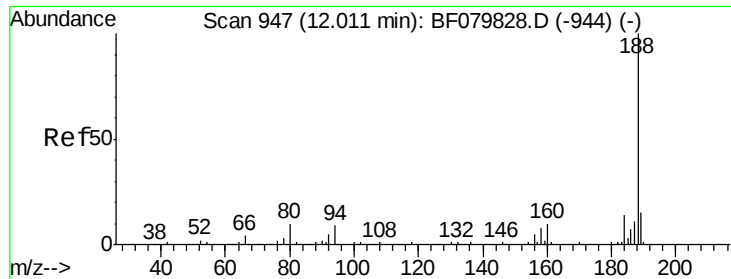
Tgt Ion: 65 Resp: 3022  
Ion Ratio Lower Upper  
65 100  
92 0.0 50.3 75.5#  
138 0.0 63.4 95.0#



#56  
2,4-Dinitrotoluene  
Concen: 7.01 ng  
RT: 10.64 min Scan# 827  
Delta R.T. -0.01 min  
Lab File: BF079835.D  
Acq: 9 Jun 2015 16:47

Tgt Ion: 165 Resp: 789  
Ion Ratio Lower Upper  
165 100  
63 107.5 24.4 36.6#  
89 55.1 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. -0.00 min

Lab File: BF079835.D

Acq: 9 Jun 2015 16:47

Instrument :

BNA\_F

ClientSampled :

MW-18

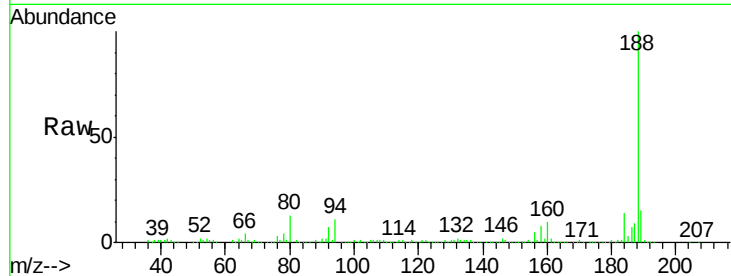
Tgt Ion:188 Resp: 197838

Ion Ratio Lower Upper

188 100

94 11.0 7.4 11.0

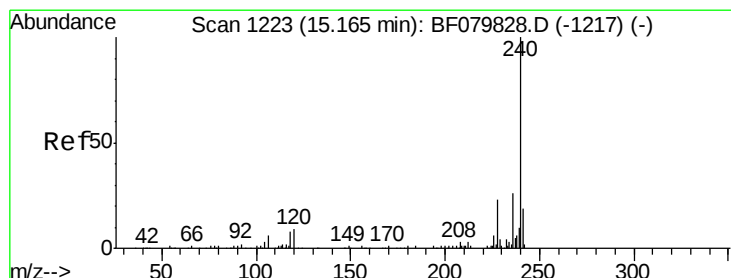
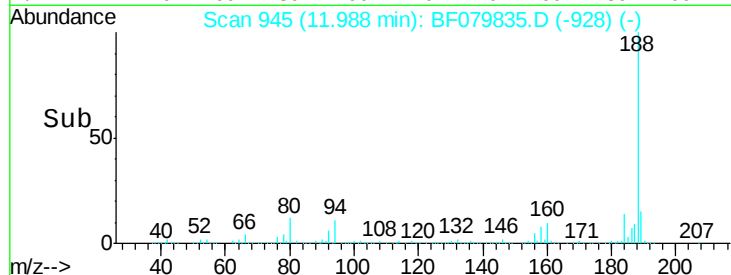
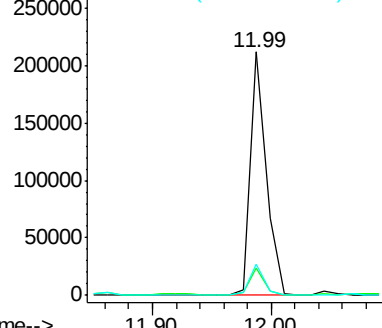
80 12.7 8.0 12.0#



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: 14.98 min Scan# 1207

Delta R.T. 0.05 min

Lab File: BF079835.D

Acq: 9 Jun 2015 16:47

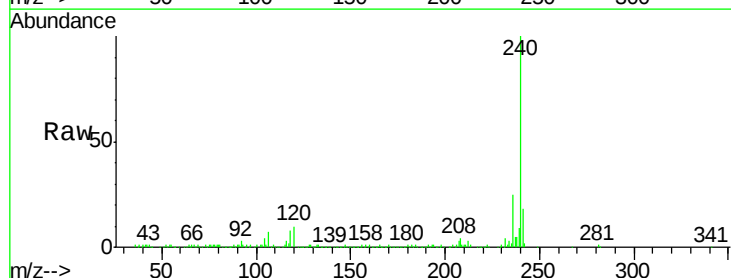
Tgt Ion:240 Resp: 210037

Ion Ratio Lower Upper

240 100

120 9.7 6.6 9.8

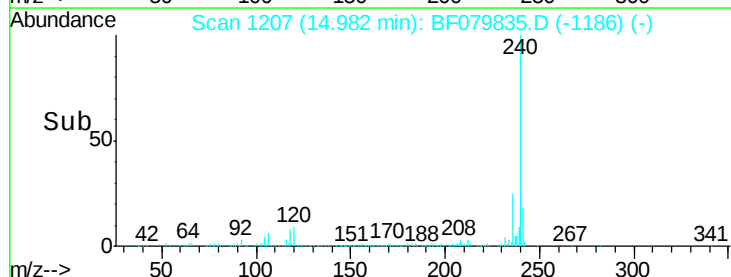
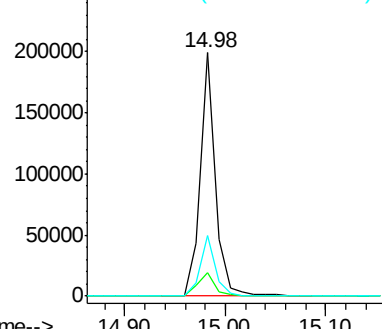
236 25.1 20.2 30.4

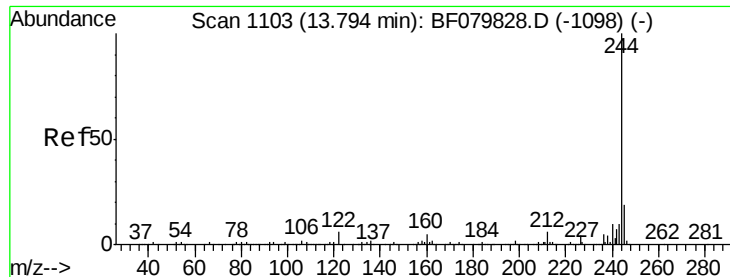


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

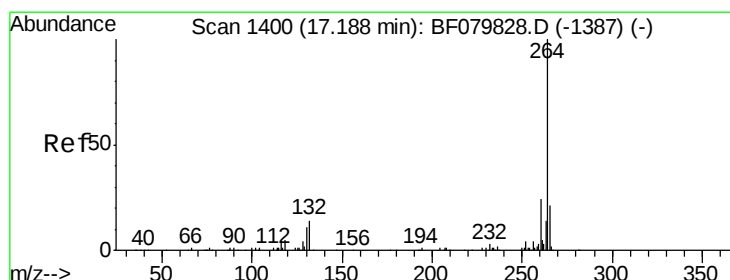
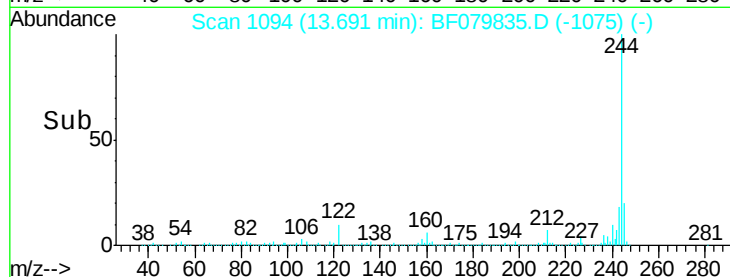
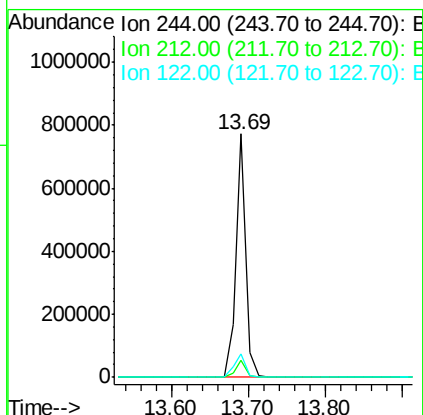
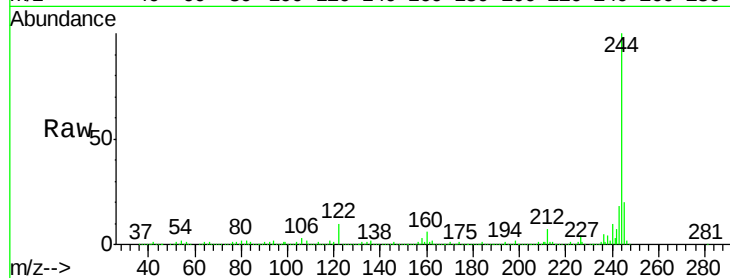




#78  
 Terphenyl-d14  
 Concen: 76.08 ng  
 RT: 13.69 min Scan# 1094  
 Delta R.T. 0.02 min  
 Lab File: BF079835.D  
 Acq: 9 Jun 2015 16:47

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-18

Tgt Ion:244 Resp: 708806  
 Ion Ratio Lower Upper  
 244 100  
 212 6.8 5.6 8.4  
 122 9.7 8.2 12.2



#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 16.91 min Scan# 1376  
 Delta R.T. 0.07 min  
 Lab File: BF079835.D  
 Acq: 9 Jun 2015 16:47

Tgt Ion:264 Resp: 192543  
 Ion Ratio Lower Upper  
 264 100  
 260 23.3 19.5 29.3  
 265 20.6 18.0 27.0

