

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051115\  
 Data File : BF079135.D  
 Acq On : 12 May 2015 2:22  
 Operator : TP/IZ  
 Sample : G2146-01  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7

Quant Time: May 12 05:42:13 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF043015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 12 05:22:05 2015  
 Response via : Initial Calibration

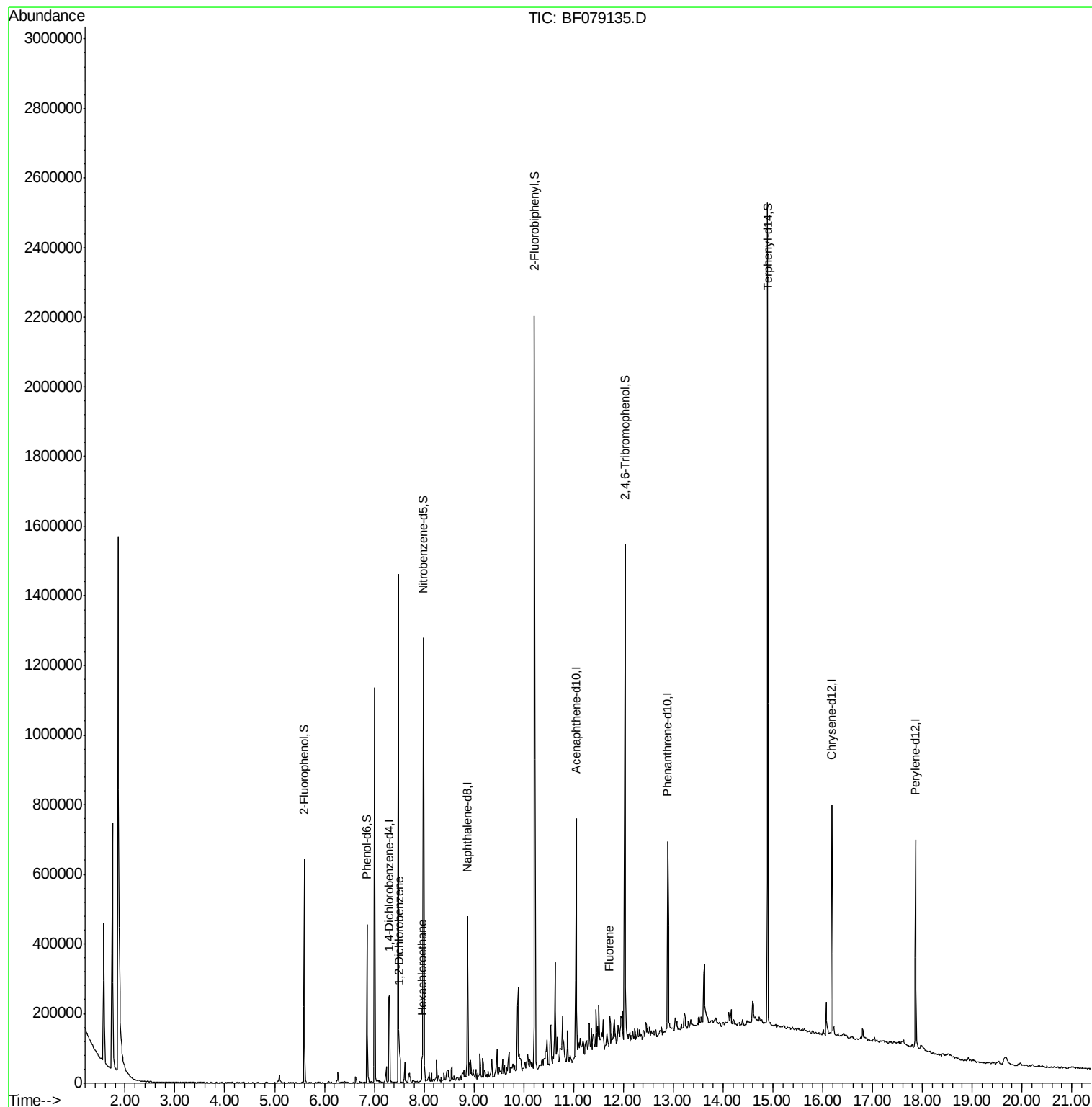
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.30  | 152  | 56694    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 8.87  | 136  | 249871   | 20.00  | ng    | -0.01     |
| 38) Acenaphthene-d10        | 11.05 | 164  | 132780   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 12.89 | 188  | 247180   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 16.18 | 240  | 256257   | 20.00  | ng    | -0.01     |
| 86) Perylene-d12            | 17.86 | 264  | 270037   | 20.00  | ng    | -0.10     |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.60  | 112  | 197697   | 60.03  | ng    | 0.00      |
| 7) Phenol-d6                | 6.86  | 99   | 163922   | 37.65  | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 7.99  | 82   | 369875   | 85.07  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 12.03 | 330  | 201763   | 140.46 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 10.22 | 172  | 752305   | 78.94  | ng    | 0.00      |
| 78) Terphenyl-d14           | 14.89 | 244  | 893953   | 83.52  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 14) 1,2-Dichlorobenzene     | 7.50  | 146  | 15358    | 3.82   | ng    | Qvalue 94 |
| 18) Hexachloroethane        | 7.95  | 117  | 10487    | 7.05   | ng    | # 44      |
| 57) Fluorene                | 11.72 | 166  | 23141    | 2.42   | ng    | # 95      |

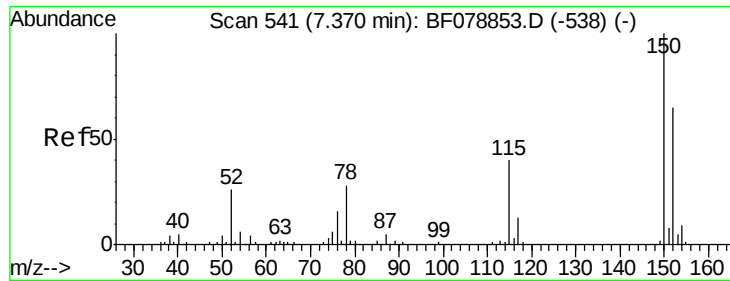
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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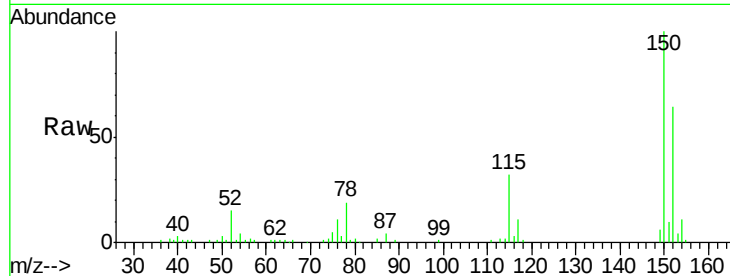




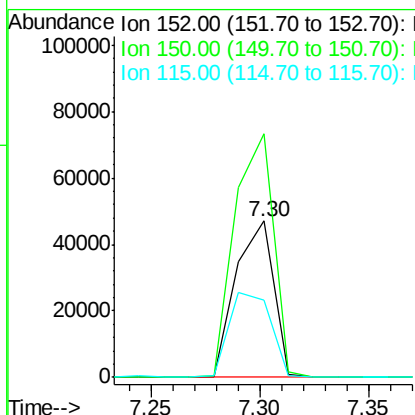
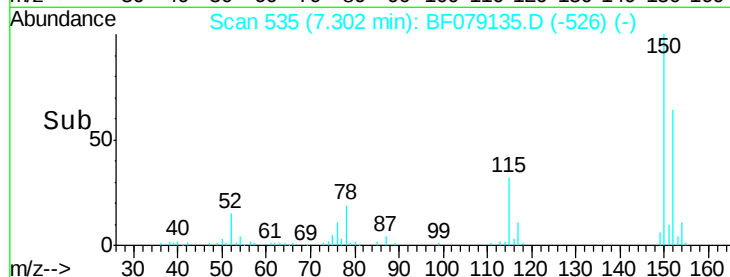
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 7.30 min Scan# 535  
 Delta R.T. -0.00 min  
 Lab File: BF079135.D  
 Acq: 12 May 2015 2:22

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-7

Tgt Ion:152 Resp: 56694  
 Ion Ratio Lower Upper  
 152 100  
 150 155.9 122.0 183.0  
 115 49.4 46.3 69.5

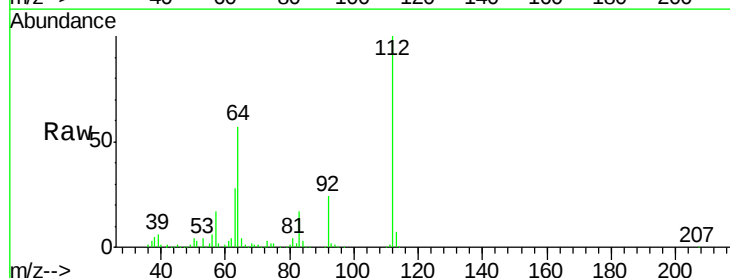


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

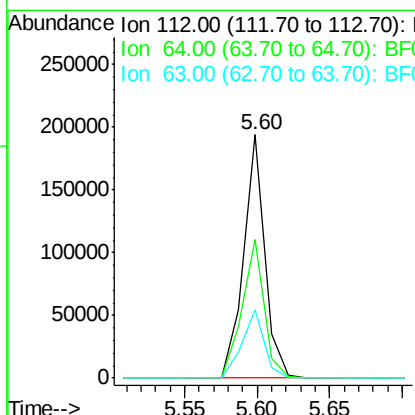
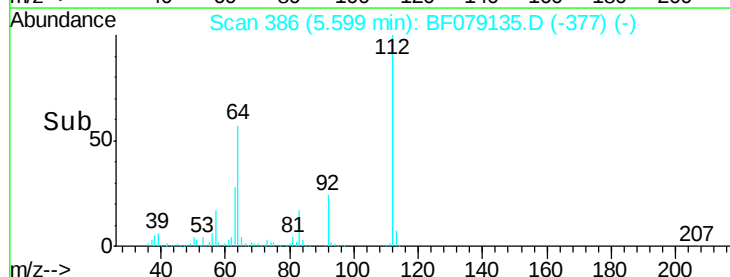


#5  
 2-Fluorophenol  
 Concen: 60.03 ng  
 RT: 5.60 min Scan# 386  
 Delta R.T. -0.00 min  
 Lab File: BF079135.D  
 Acq: 12 May 2015 2:22

Tgt Ion:112 Resp: 197697  
 Ion Ratio Lower Upper  
 112 100  
 64 57.0 53.5 80.3  
 63 28.3 27.5 41.3



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: 37.65 ng

RT: 6.86 min Scan# 496

Delta R.T. -0.00 min

Lab File: BF079135.D

Acq: 12 May 2015 2:22

Instrument :

BNA\_F

ClientSampleId :

MW-7

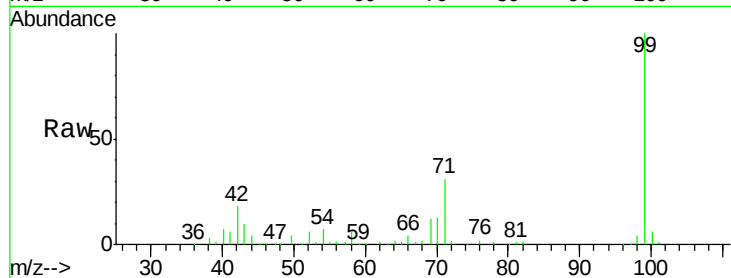
Tgt Ion: 99 Resp: 163922

Ion Ratio Lower Upper

99 100

42 18.4 12.8 19.2

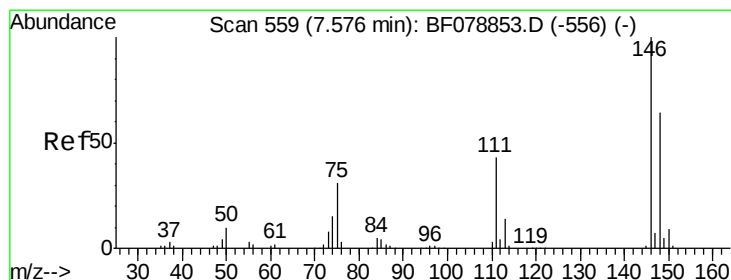
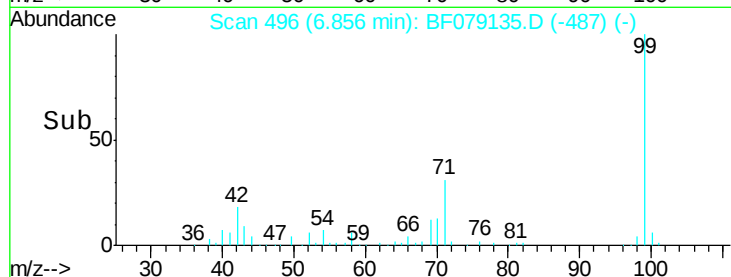
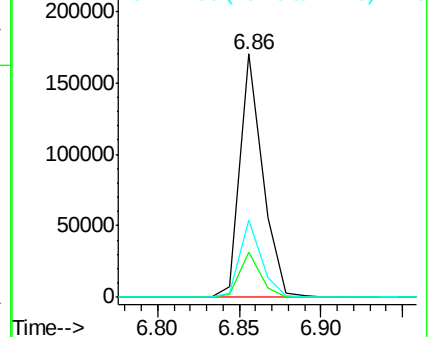
71 31.5 23.4 35.2



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



#14

1,2-Dichlorobenzene

Concen: 3.82 ng

RT: 7.50 min Scan# 552

Delta R.T. -0.01 min

Lab File: BF079135.D

Acq: 12 May 2015 2:22

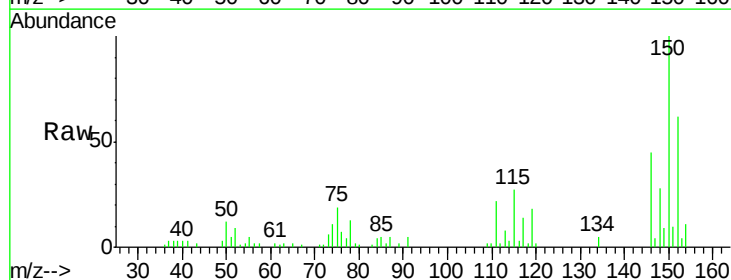
Tgt Ion: 146 Resp: 15358

Ion Ratio Lower Upper

146 100

148 62.4 51.2 76.8

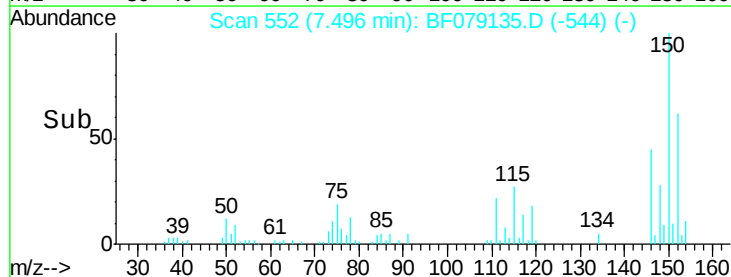
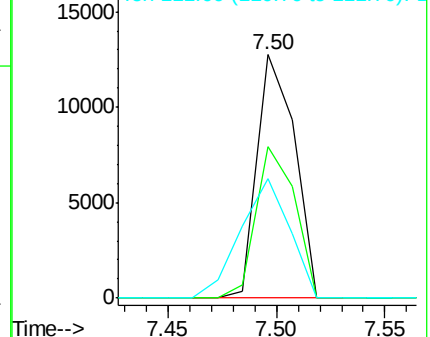
111 49.2 33.3 49.9

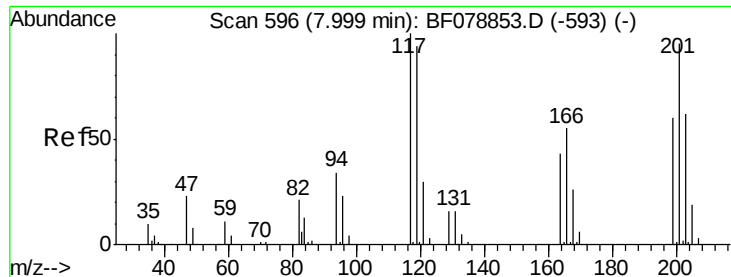


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

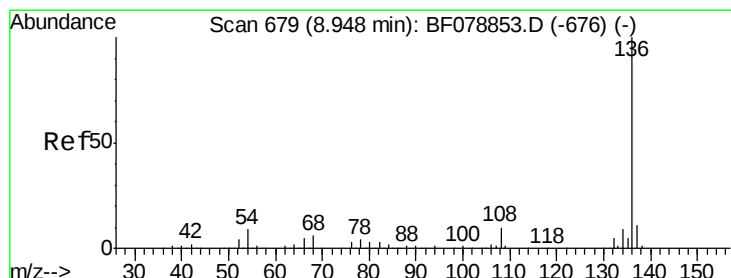
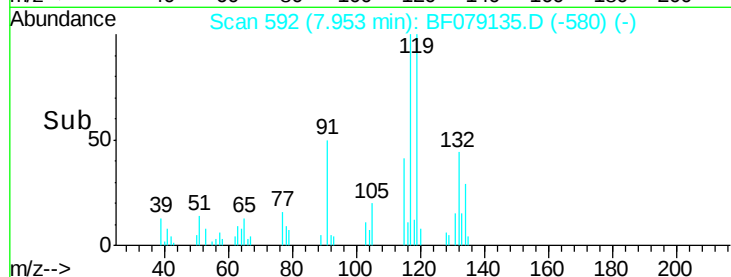
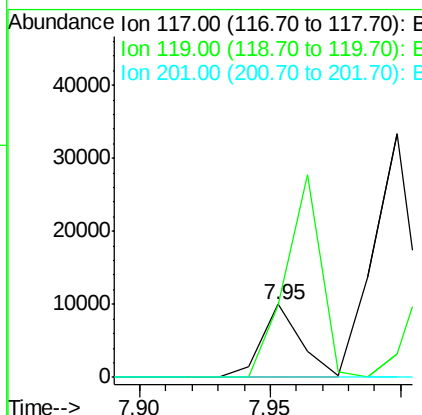
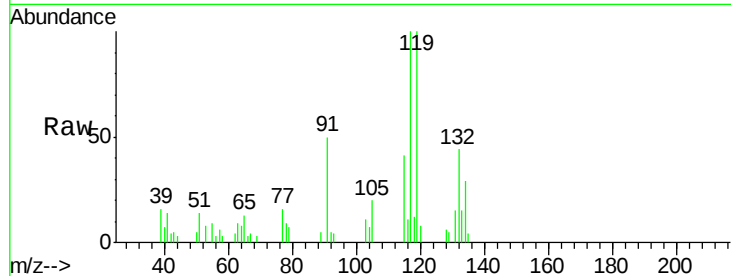




#18  
Hexachloroethane  
Concen: 7.05 ng  
RT: 7.95 min Scan# 592  
Delta R.T. 0.03 min  
Lab File: BF079135.D  
Acq: 12 May 2015 2:22

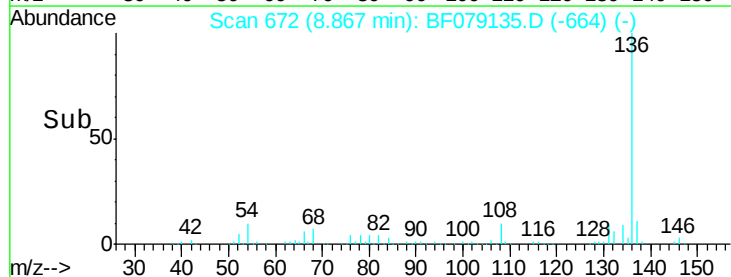
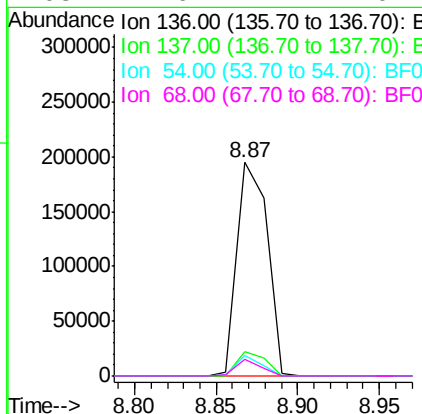
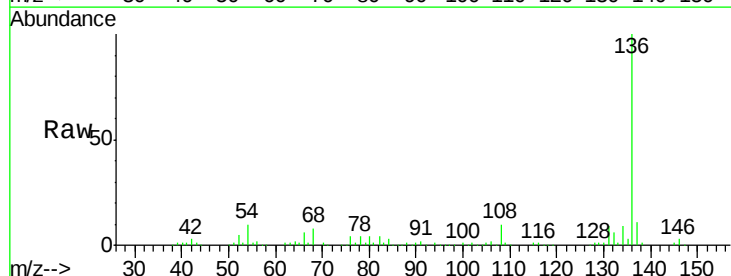
Instrument :  
BNA\_F  
ClientSampled :  
MW-7

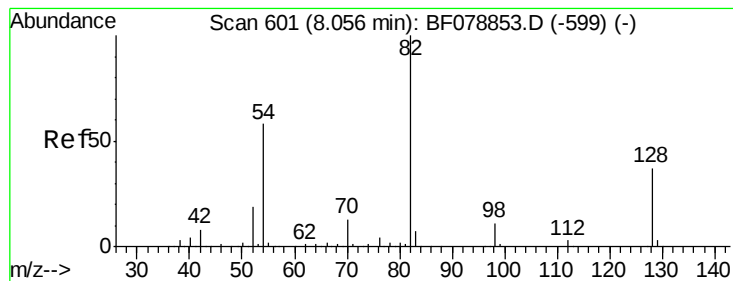
Tgt Ion:117 Resp: 10487  
Ion Ratio Lower Upper  
117 100  
119 99.8 75.4 113.0  
201 0.0 83.2 124.8#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.87 min Scan# 672  
Delta R.T. -0.01 min  
Lab File: BF079135.D  
Acq: 12 May 2015 2:22

Tgt Ion:136 Resp: 249871  
Ion Ratio Lower Upper  
136 100  
137 11.3 8.7 13.1  
54 9.7 5.8 8.8#  
68 7.6 4.2 6.4#





#23

Nitrobenzene-d5

Concen: 85.07 ng

RT: 7.99 min Scan# 595

Delta R.T. -0.00 min

Lab File: BF079135.D

Acq: 12 May 2015 2:22

Instrument :

BNA\_F

ClientSampleId :

MW-7

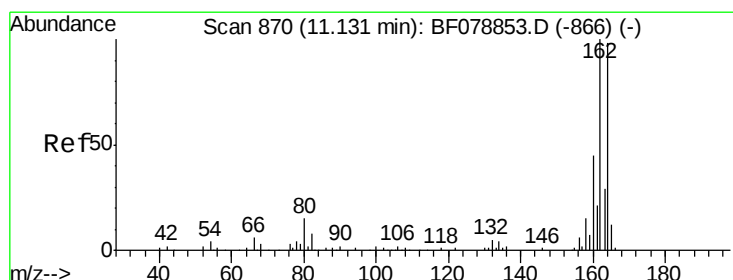
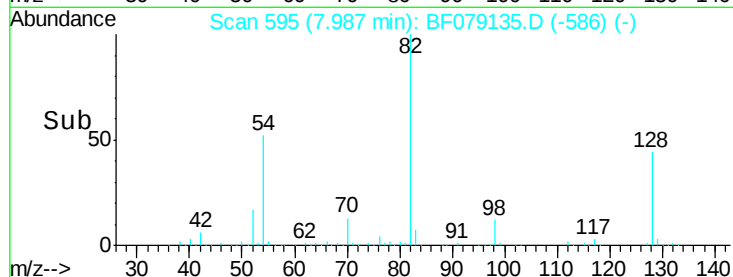
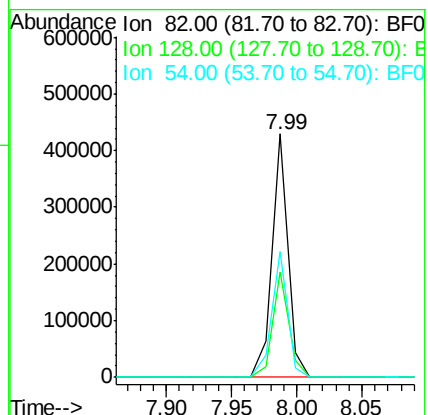
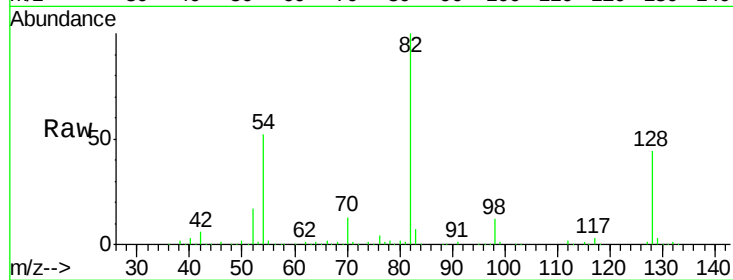
Tgt Ion: 82 Resp: 369875

Ion Ratio Lower Upper

82 100

128 43.5 30.0 45.0

54 51.8 46.4 69.6



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.05 min Scan# 863

Delta R.T. -0.00 min

Lab File: BF079135.D

Acq: 12 May 2015 2:22

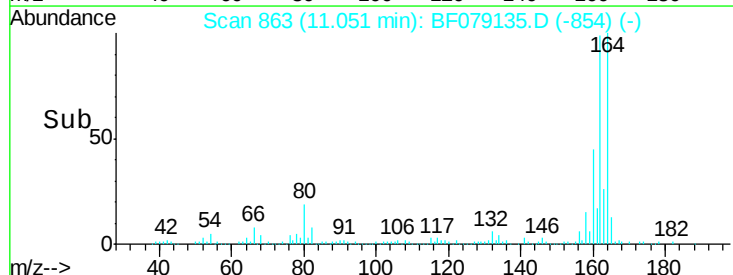
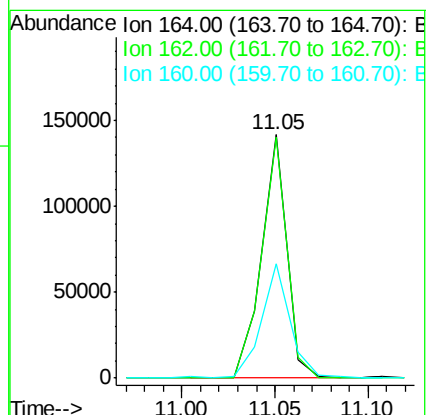
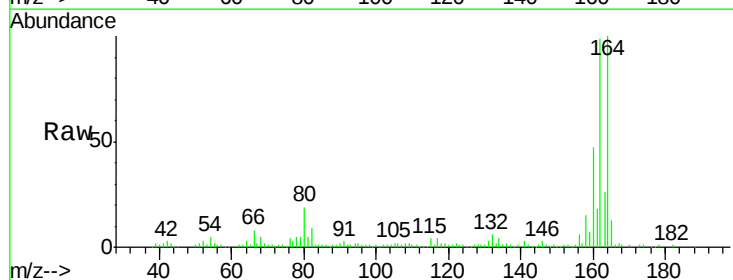
Tgt Ion: 164 Resp: 132780

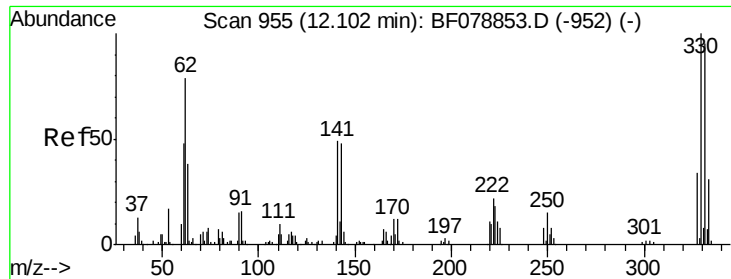
Ion Ratio Lower Upper

164 100

162 98.9 82.7 124.1

160 46.9 35.8 53.8

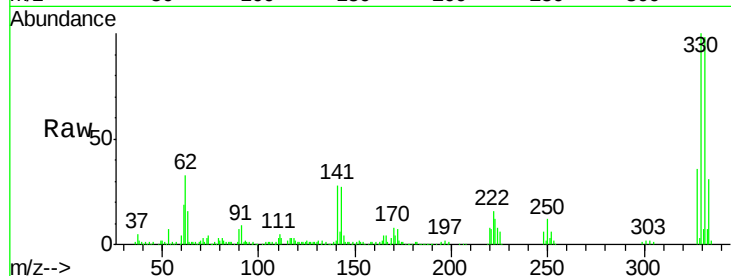




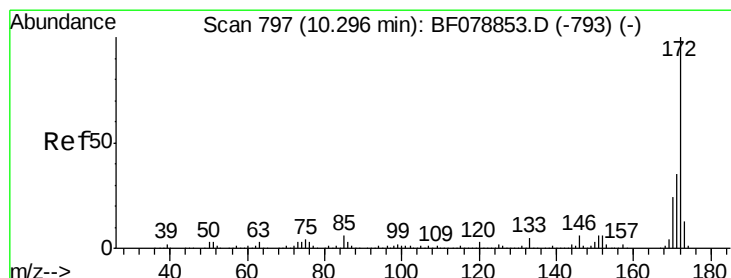
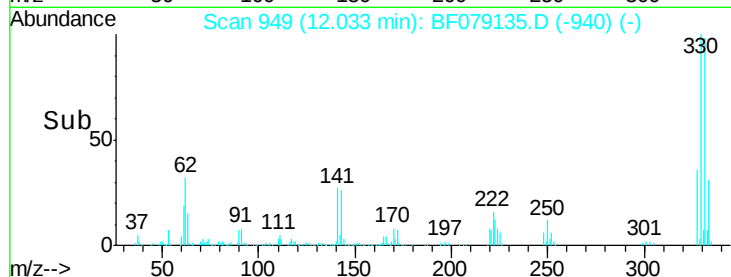
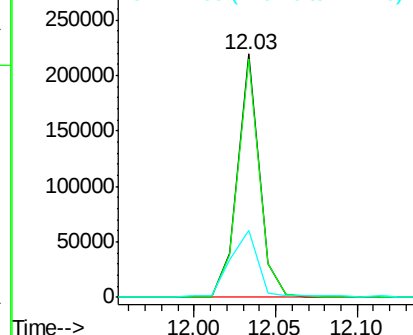
#41  
 2,4,6-Tribromophenol  
 Concen: 140.46 ng  
 RT: 12.03 min Scan# 949  
 Delta R.T. -0.00 min  
 Lab File: BF079135.D  
 Acq: 12 May 2015 2:22

Instrument :  
 BNA\_F  
 ClientSampled :  
 MW-7

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.6  | 0.0   | 0.0#  |
| 141     | 33.6  | 0.0   | 0.0#  |

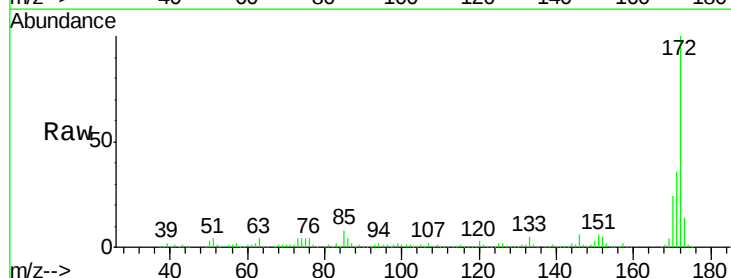


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

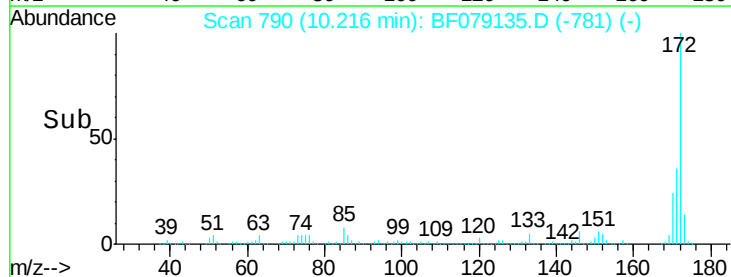
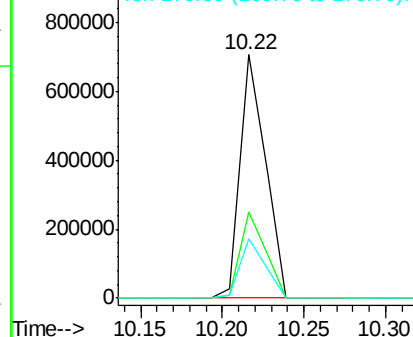


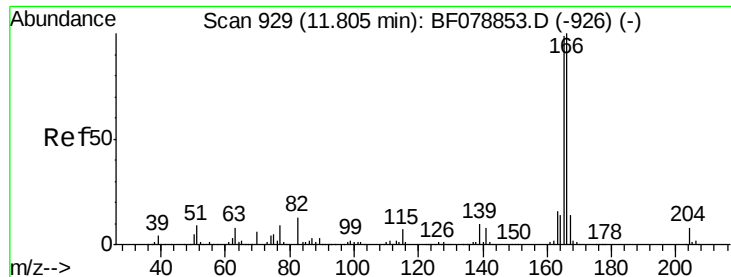
#44  
 2-Fluorobiphenyl  
 Concen: 78.94 ng  
 RT: 10.22 min Scan# 790  
 Delta R.T. -0.00 min  
 Lab File: BF079135.D  
 Acq: 12 May 2015 2:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 35.5  | 27.9  | 41.9  |
| 170     | 24.1  | 19.4  | 29.0  |



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

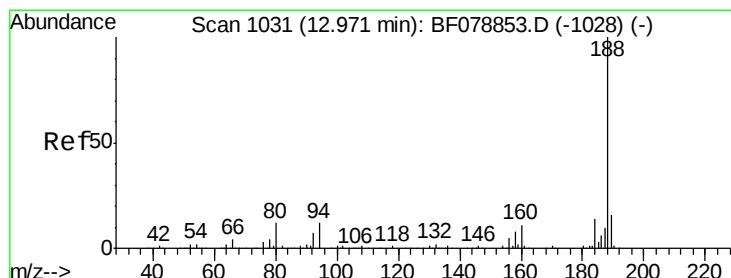
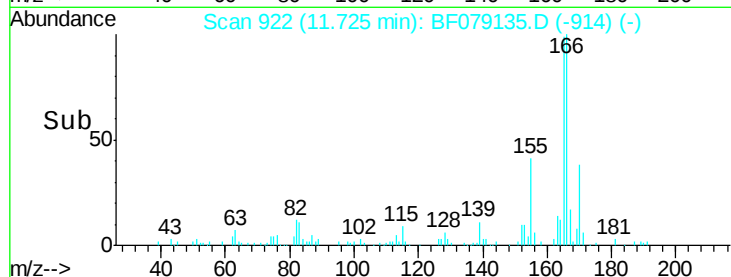
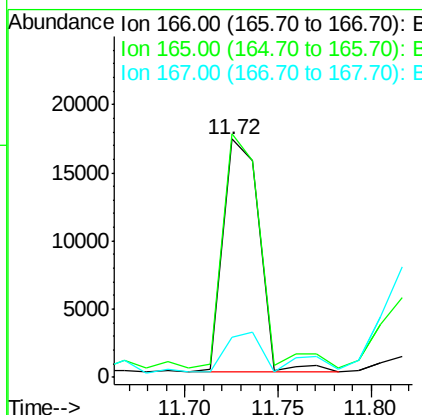
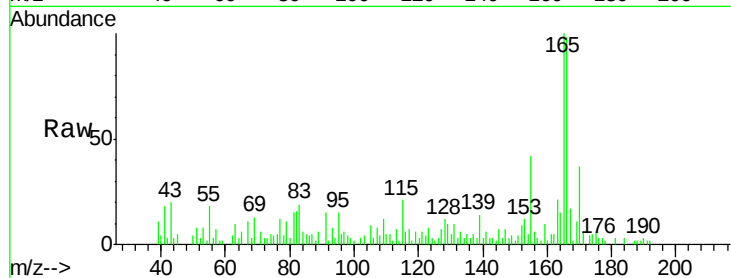




#57  
**Fluorene**  
 Concen: 2.42 ng  
 RT: 11.72 min Scan# 922  
 Delta R.T. -0.01 min  
 Lab File: BF079135.D  
 Acq: 12 May 2015 2:22

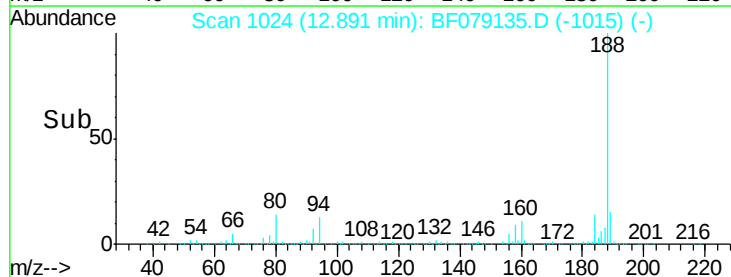
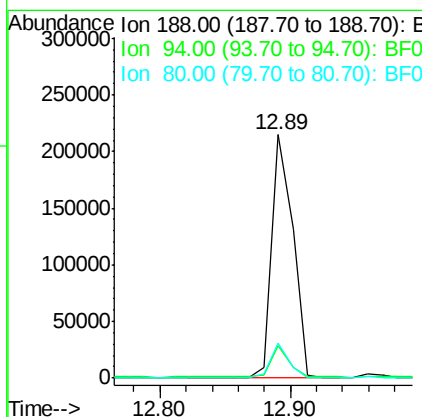
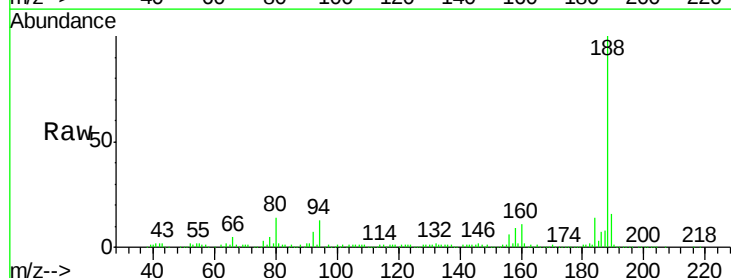
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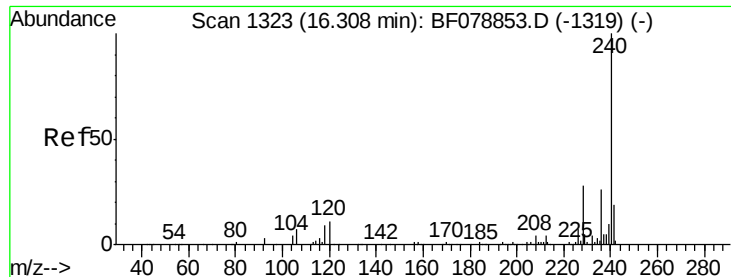
Tgt Ion:166 Resp: 23141  
 Ion Ratio Lower Upper  
 166 100  
 165 102.2 78.5 117.7  
 167 16.9 11.0 16.6#



#63  
**Phenanthrene-d10**  
 Concen: 20.00 ng  
 RT: 12.89 min Scan# 1024  
 Delta R.T. -0.00 min  
 Lab File: BF079135.D  
 Acq: 12 May 2015 2:22

Tgt Ion:188 Resp: 247180  
 Ion Ratio Lower Upper  
 188 100  
 94 13.1 8.2 12.2#  
 80 14.5 8.9 13.3#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.18 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF079135.D

Acq: 12 May 2015 2:22

Instrument :

BNA\_F

ClientSampleId :

MW-7

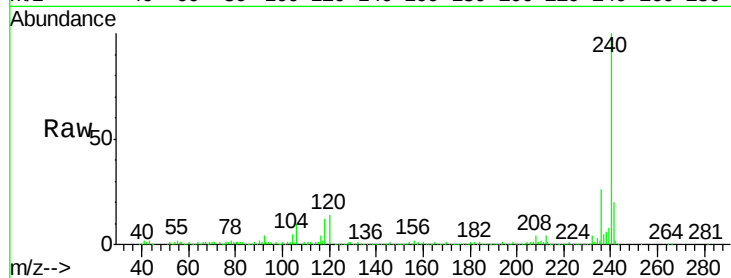
Tgt Ion:240 Resp: 256257

Ion Ratio Lower Upper

240 100

120 14.1 9.7 14.5

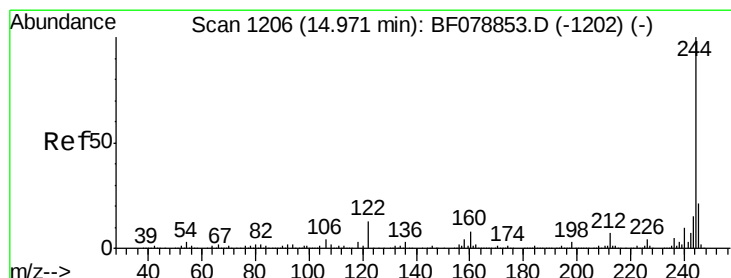
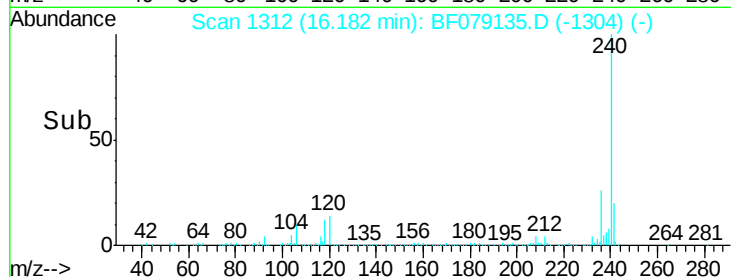
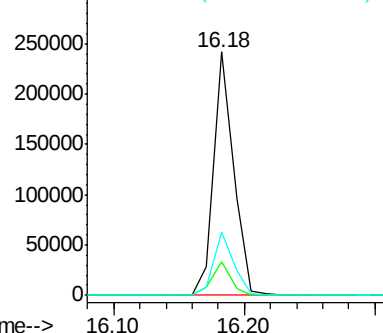
236 25.8 20.2 30.4



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: 83.52 ng

RT: 14.89 min Scan# 1199

Delta R.T. -0.00 min

Lab File: BF079135.D

Acq: 12 May 2015 2:22

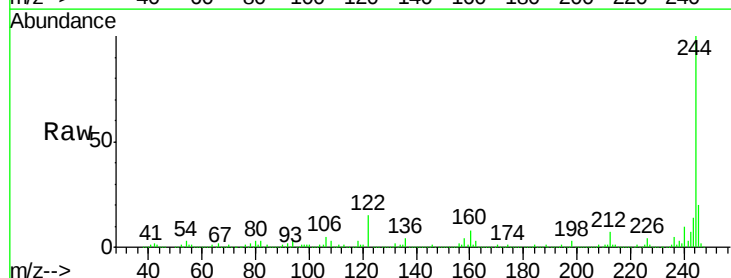
Tgt Ion:244 Resp: 893953

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

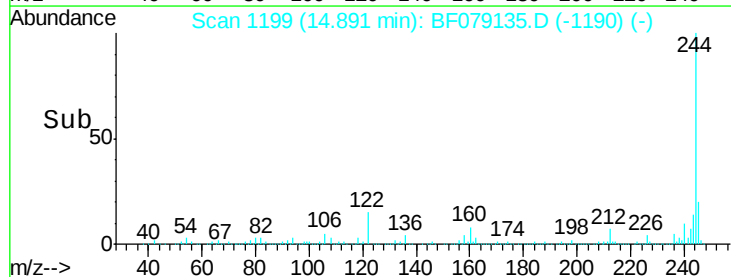
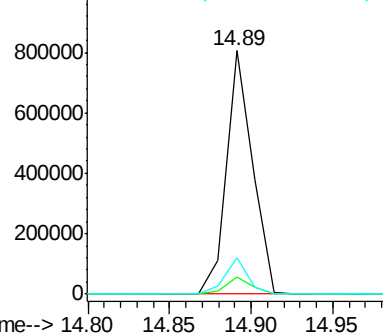
122 14.9 10.3 15.5

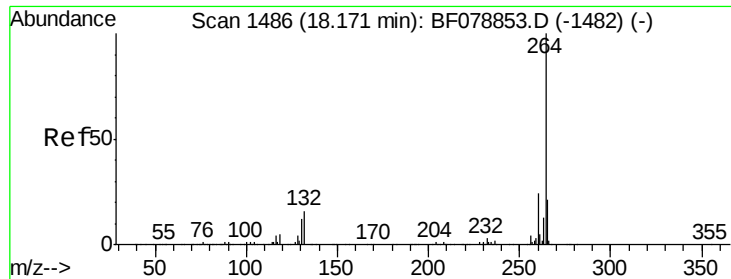


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.86 min Scan# 1459

Delta R.T. -0.10 min

Lab File: BF079135.D

Acq: 12 May 2015 2:22

Instrument :

BNA\_F

ClientSampleId :

MW-7

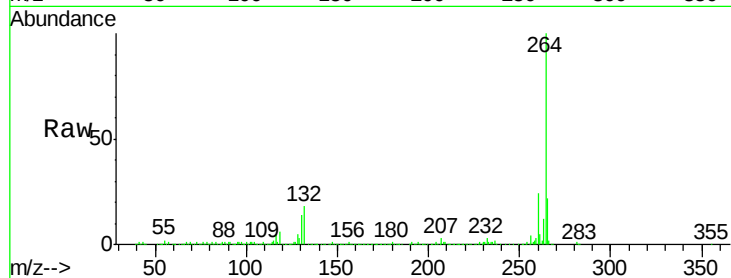
Tgt Ion: 264 Resp: 270037

Ion Ratio Lower Upper

264 100

260 23.9 19.4 29.2

265 21.9 18.3 27.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

