

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042015\  
 Data File : BF078653.D  
 Acq On : 20 Apr 2015 19:42  
 Operator : TP/IZ  
 Sample : G1936-02  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-20

Quant Time: Apr 21 01:09:52 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Apr 21 00:52:21 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.85  | 152  | 31369    | 20.00  | ng    | -0.01    |
| 21) Naphthalene-d8          | 8.02  | 136  | 130509   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 11.20 | 164  | 67084    | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 13.94 | 188  | 133244   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 17.79 | 240  | 146145   | 20.00  | ng    | -0.01    |
| 86) Perylene-d12            | 19.52 | 264  | 133795   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 3.87  | 112  | 94500    | 49.67  | ng    | 0.00     |
| 7) Phenol-d6                | 5.36  | 99   | 75762    | 31.77  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 6.80  | 82   | 174965   | 81.26  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 12.67 | 330  | 82064    | 147.50 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.03 | 172  | 388767   | 82.84  | ng    | 0.00     |
| 78) Terphenyl-d14           | 16.46 | 244  | 497026   | 76.85  | ng    | -0.01    |

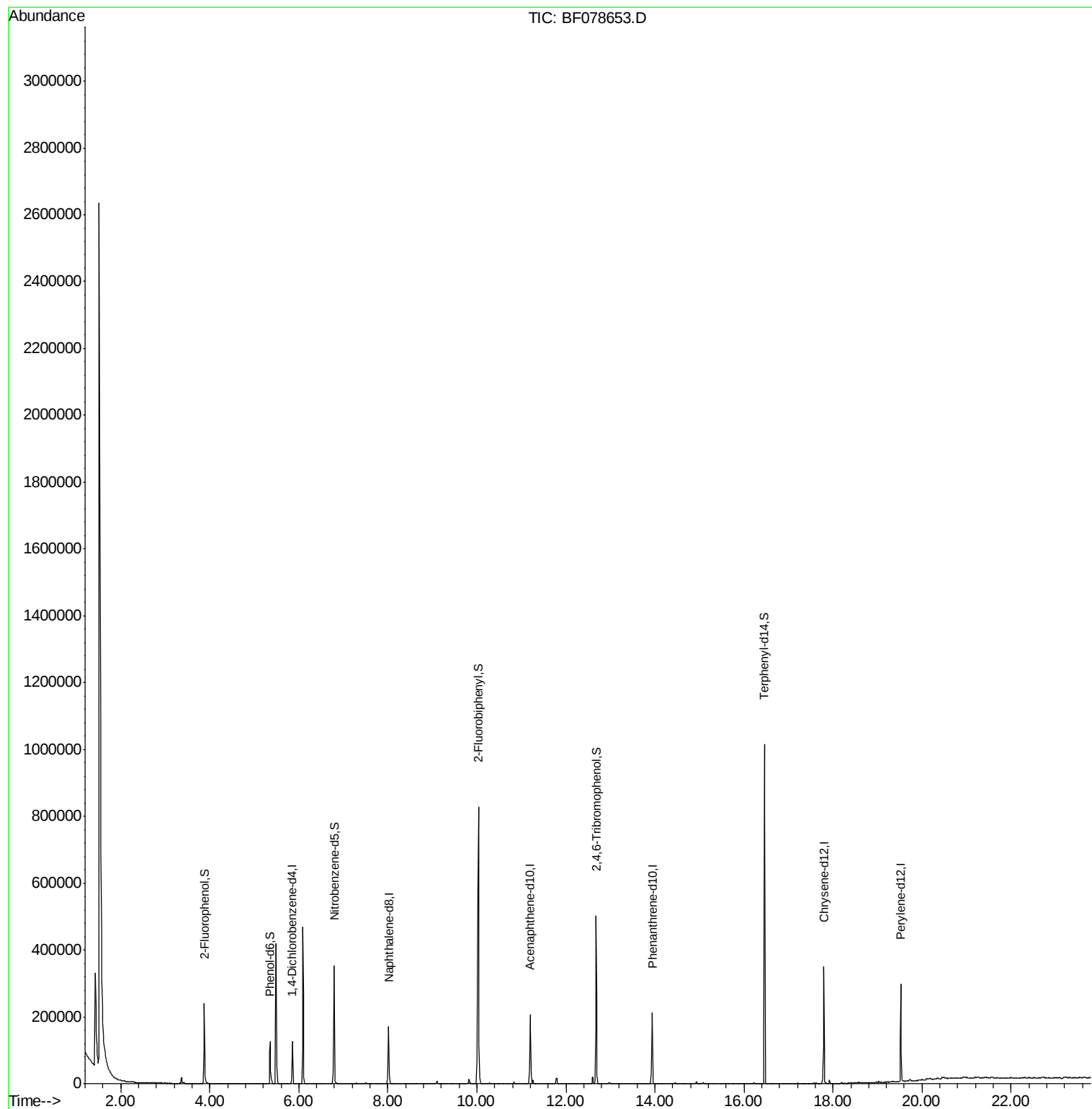
Target Compounds Qvalue

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

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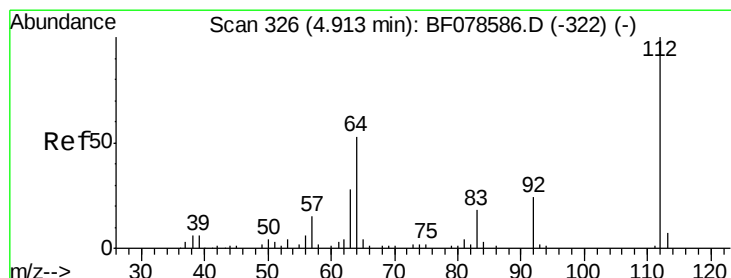
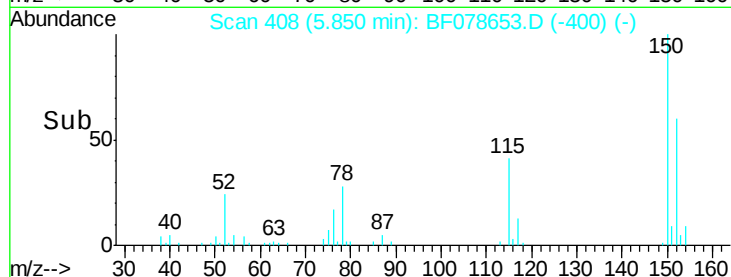
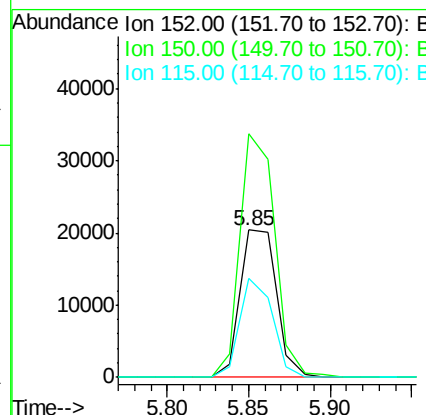
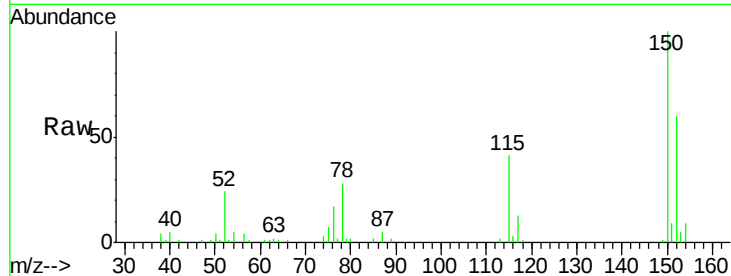


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.85 min Scan# 408  
Delta R.T. -0.01 min  
Lab File: BF078653.D  
Acq: 20 Apr 2015 19:42

Instrument :  
BNA\_F  
ClientSampleId :  
MW-20

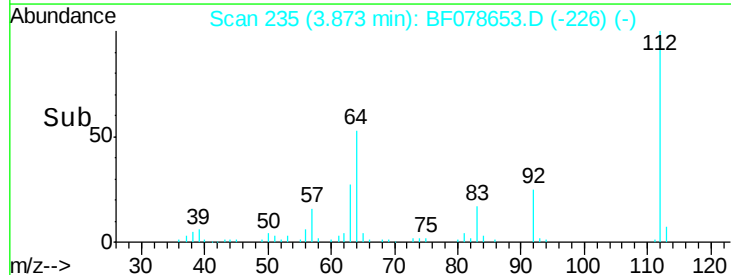
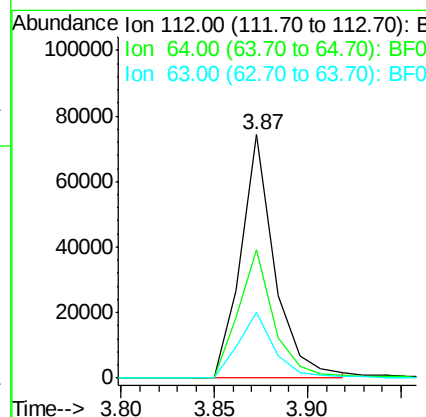
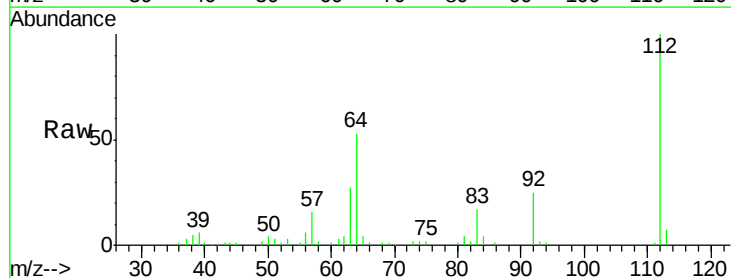
Tot Ion:152 Resp: 31369  
Ion Ratio Lower Upper  
152 100  
150 165.6 125.9 188.9  
115 67.2 52.7 79.1



#5

2-Fluorophenol  
Concen: 49.67 ng  
RT: 3.87 min Scan# 235  
Delta R.T. -0.00 min  
Lab File: BF078653.D  
Acq: 20 Apr 2015 19:42

Tgt Ion:112 Resp: 94500  
Ion Ratio Lower Upper  
112 100  
64 52.8 39.9 59.9  
63 27.2 20.2 30.4





#7

Phenol-d6

Concen: 31.77 ng

RT: 5.36 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF078653.D

Acq: 20 Apr 2015 19:42

Instrument :

BNA\_F

ClientSampleId :

MW-20

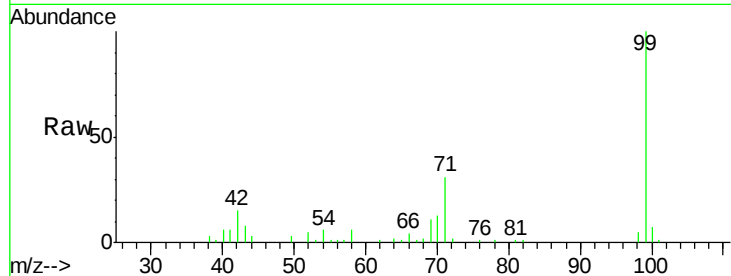
Tot Ion: 99 Resp: 75762

Ion Ratio Lower Upper

99 100

42 15.5 14.8 22.2

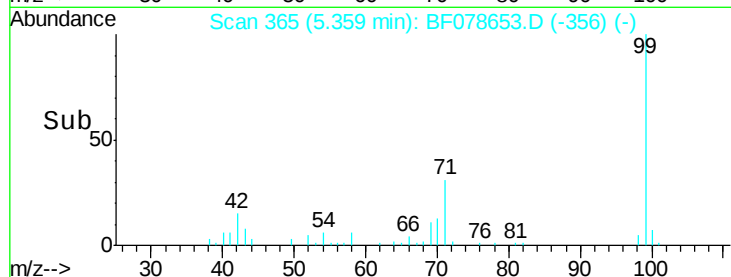
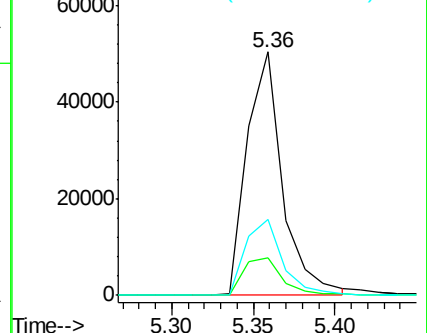
71 31.0 26.6 39.8



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: 8.02 min Scan# 598

Delta R.T. -0.00 min

Lab File: BF078653.D

Acq: 20 Apr 2015 19:42

Tgt Ion: 136 Resp: 130509

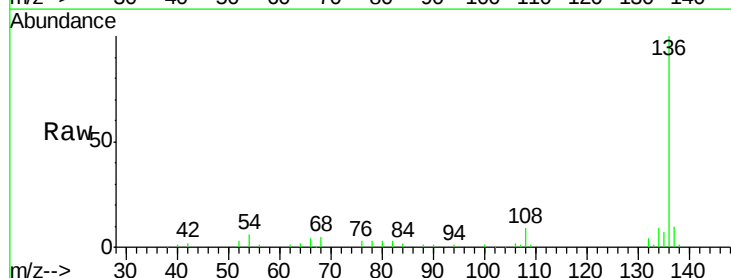
Ion Ratio Lower Upper

136 100

137 10.5 9.0 13.4

54 6.2 7.0 10.6#

68 4.7 5.4 8.2#

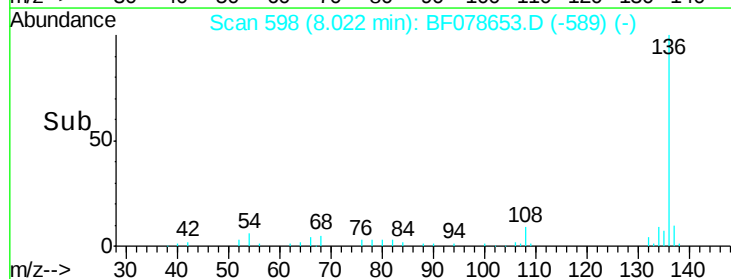
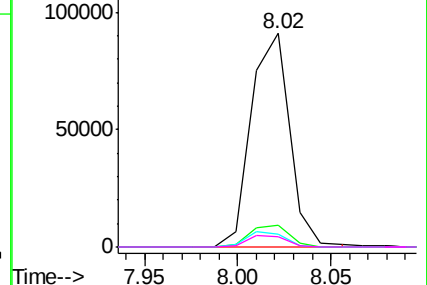


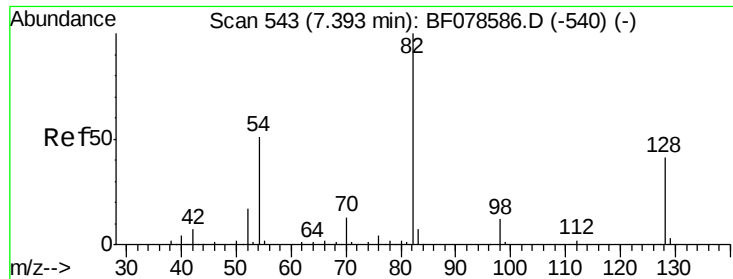
Abundance Ion 136.00 (135.70 to 136.70): E

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

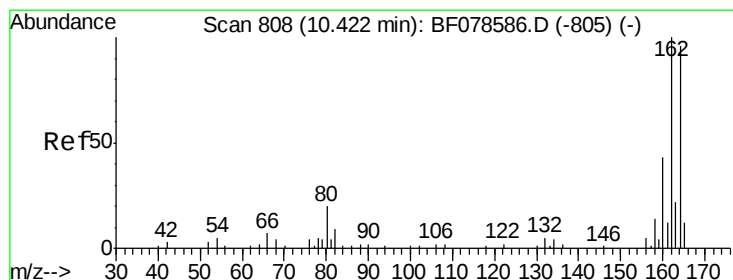
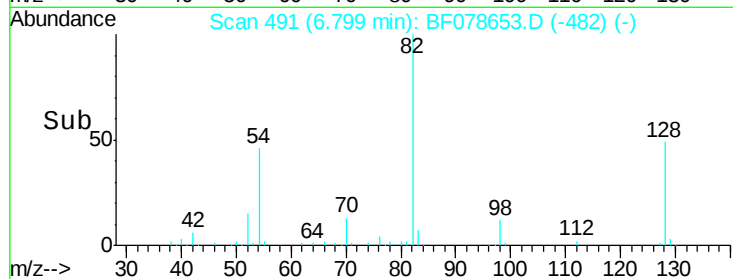
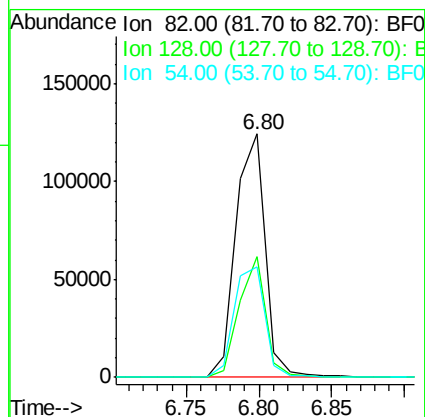
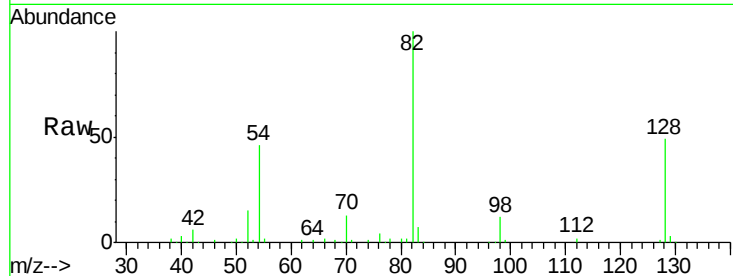




#23  
 Nitrobenzene-d5  
 Concen: 81.26 ng  
 RT: 6.80 min Scan# 491  
 Delta R.T. -0.00 min  
 Lab File: BF078653.D  
 Acq: 20 Apr 2015 19:42

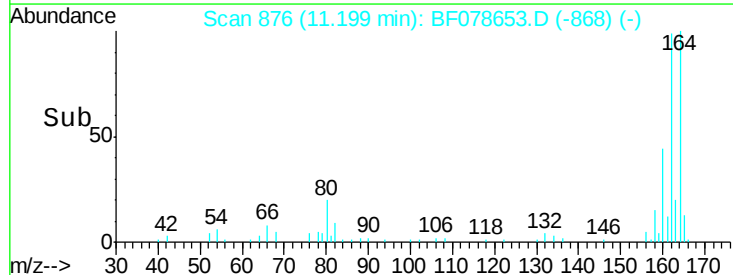
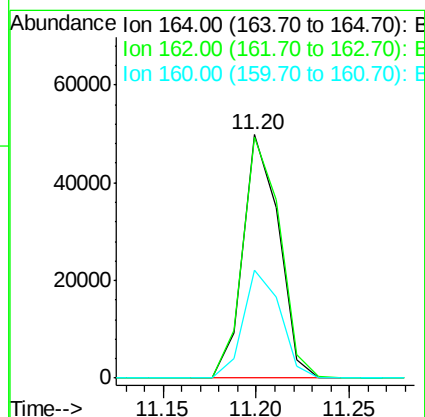
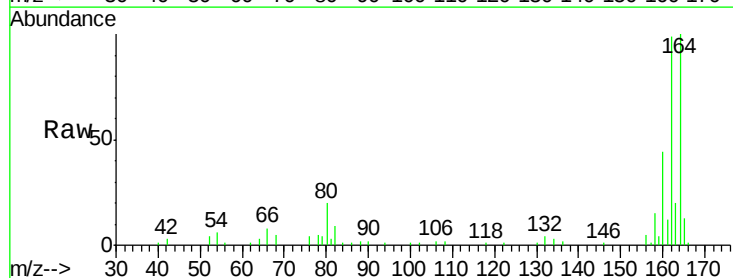
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-20

Tot Ion: 82 Resp: 174965  
 Ion Ratio Lower Upper  
 82 100  
 128 49.4 31.8 47.8#  
 54 45.5 41.5 62.3



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 11.20 min Scan# 876  
 Delta R.T. -0.01 min  
 Lab File: BF078653.D  
 Acq: 20 Apr 2015 19:42

Tgt Ion:164 Resp: 67084  
 Ion Ratio Lower Upper  
 164 100  
 162 98.8 82.2 123.2  
 160 44.1 34.7 52.1

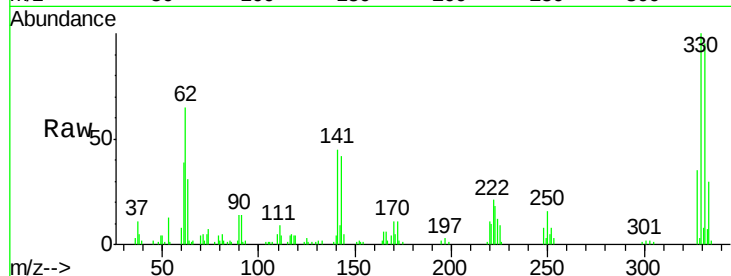




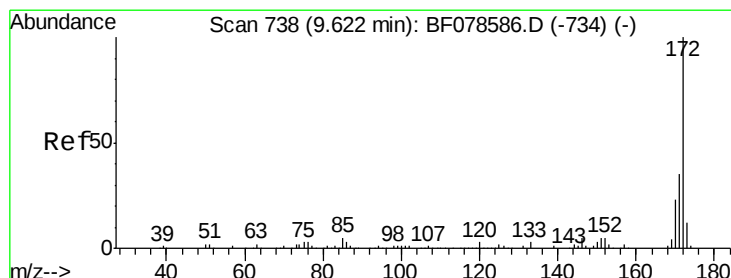
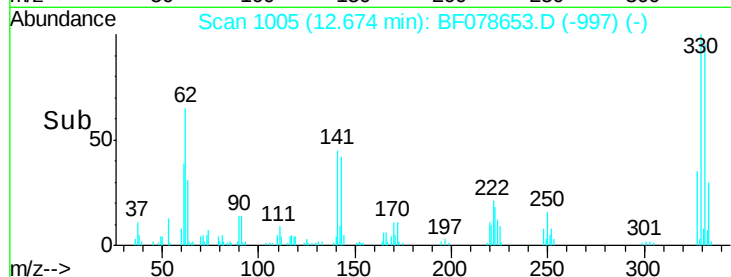
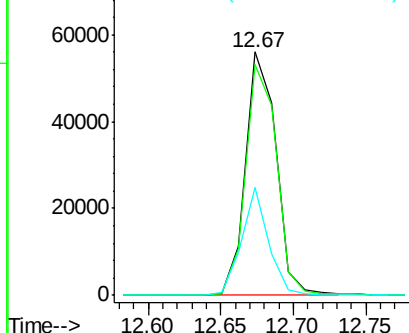
#41  
 2,4,6-Tribromophenol  
 Concen: 147.50 ng  
 RT: 12.67 min Scan# 1005  
 Delta R.T. -0.01 min  
 Lab File: BF078653.D  
 Acq: 20 Apr 2015 19:42

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-20

Tot Ion:330 Resp: 82064  
 Ion Ratio Lower Upper  
 330 100  
 332 96.3 78.6 117.8  
 141 38.9 31.2 46.8

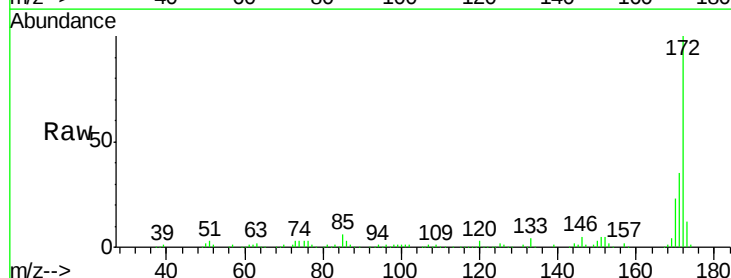


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

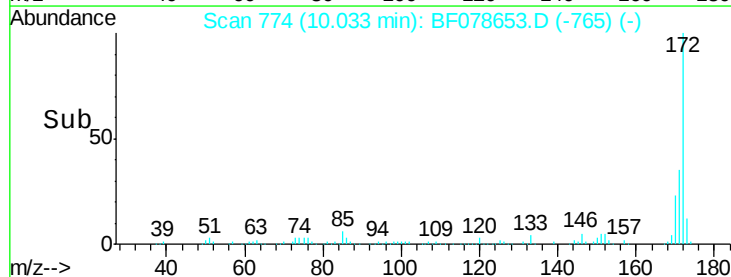
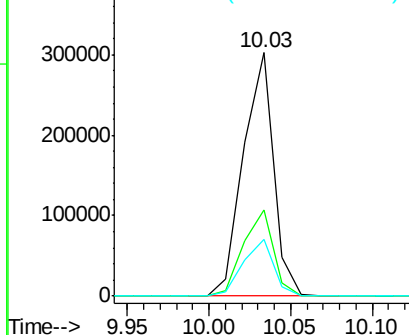


#44  
 2-Fluorobiphenyl  
 Concen: 82.84 ng  
 RT: 10.03 min Scan# 774  
 Delta R.T. -0.00 min  
 Lab File: BF078653.D  
 Acq: 20 Apr 2015 19:42

Tgt Ion:172 Resp: 388767  
 Ion Ratio Lower Upper  
 172 100  
 171 35.2 28.6 42.8  
 170 23.3 18.5 27.7



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

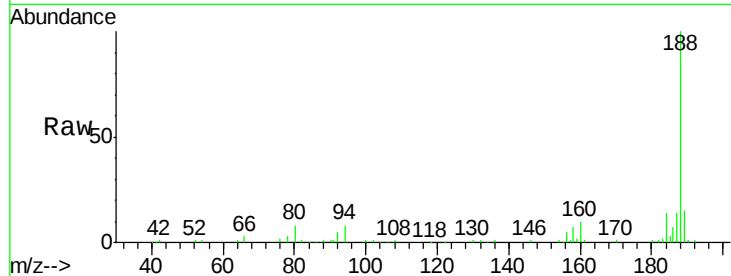




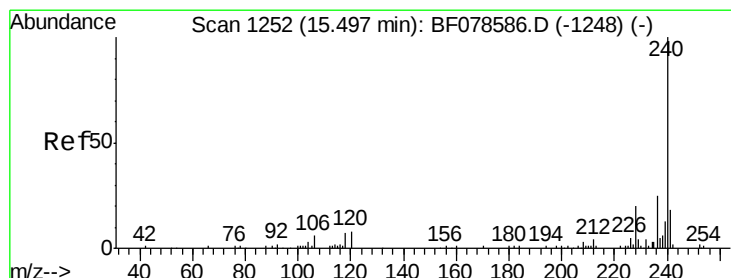
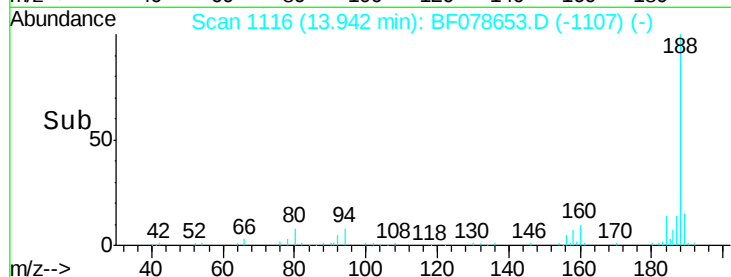
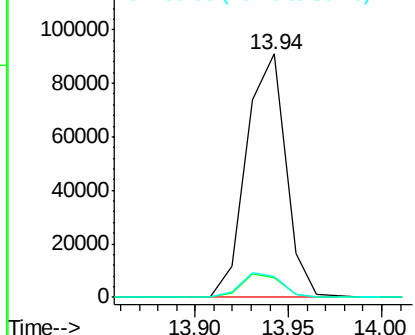
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.94 min Scan# 1116  
Delta R.T. -0.00 min  
Lab File: BF078653.D  
Acq: 20 Apr 2015 19:42

Instrument :  
BNA\_F  
ClientSampleId :  
MW-20

Tot Ion:188 Resp: 133244  
Ion Ratio Lower Upper  
188 100  
94 8.0 9.0 13.4#  
80 8.5 9.5 14.3#

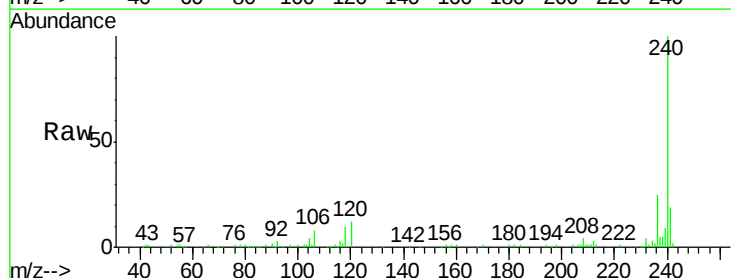


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BF0  
Ion 80.00 (79.70 to 80.70): BF0

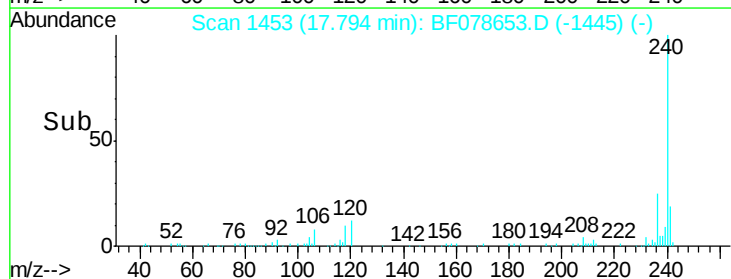
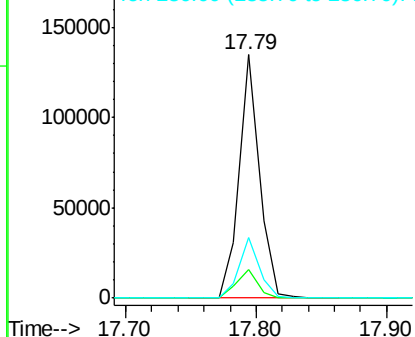


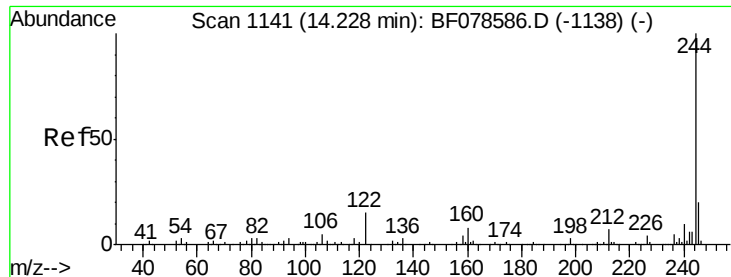
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 17.79 min Scan# 1453  
Delta R.T. -0.01 min  
Lab File: BF078653.D  
Acq: 20 Apr 2015 19:42

Tgt Ion:240 Resp: 146145  
Ion Ratio Lower Upper  
240 100  
120 11.5 7.1 10.7#  
236 24.7 21.4 32.2



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: 76.85 ng

RT: 16.46 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF078653.D

Acq: 20 Apr 2015 19:42

Instrument :

BNA\_F

ClientSampleId :

MW-20

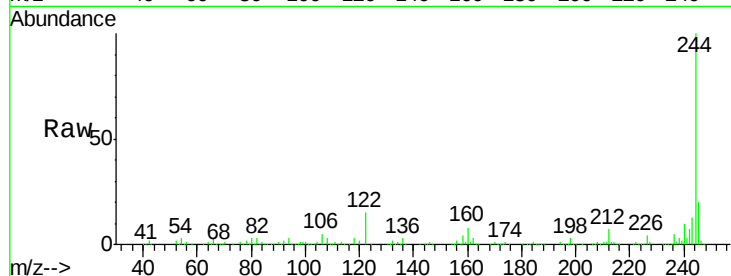
Tot Ion:244 Resp: 497026

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

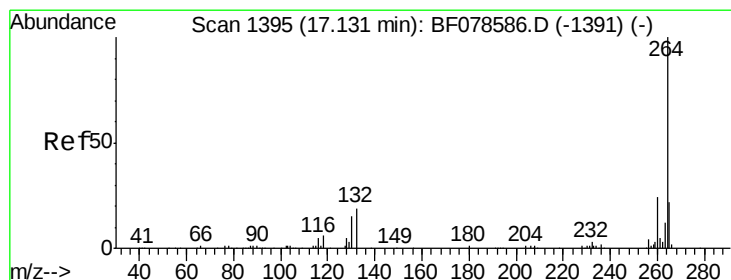
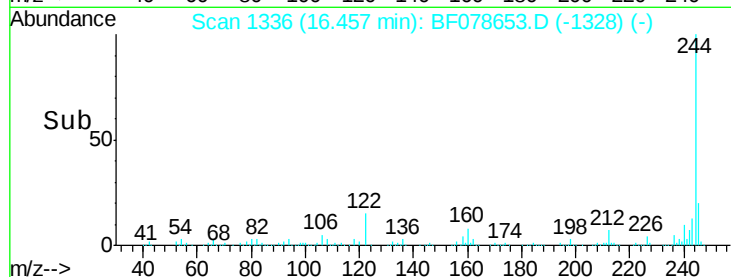
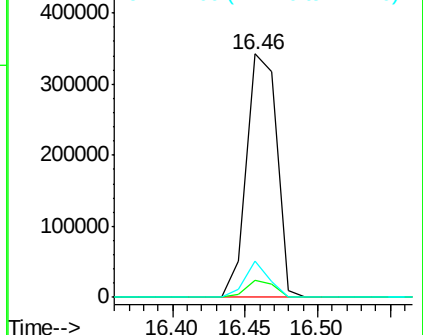
122 14.8 7.1 10.7#



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

Perylene-d12

Concen: 20.00 ng

RT: 19.52 min Scan# 1604

Delta R.T. -0.01 min

Lab File: BF078653.D

Acq: 20 Apr 2015 19:42

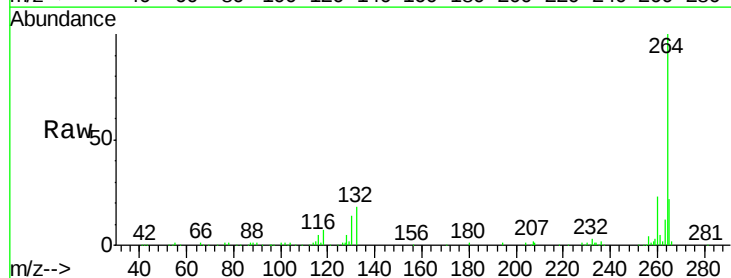
Tgt Ion:264 Resp: 133795

Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.5 17.0 25.6



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

