

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032315\  
 Data File : BF077893.D  
 Acq On : 23 Mar 2015 14:36  
 Operator : TP/IZ  
 Sample : G1575-11RE  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

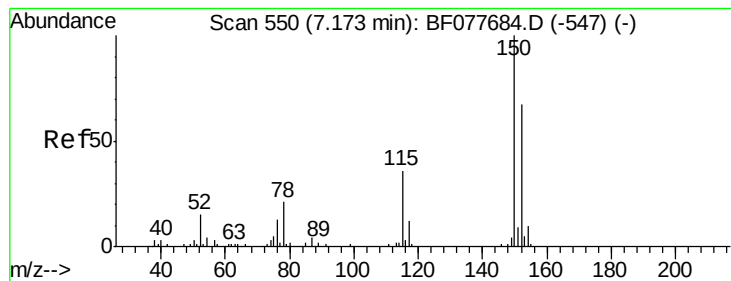
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-24VRE

Quant Time: Mar 24 03:13:52 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Mar 24 02:23:28 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.12  | 152  | 45705    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8          | 8.69  | 136  | 187149   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10        | 10.86 | 164  | 95243    | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10        | 12.69 | 188  | 186592   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12            | 16.00 | 240  | 214856   | 20.00 | ng    | -0.01    |
| 86) Perylene-d12            | 17.79 | 264  | 204375   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds |       |      |          |       |       |          |
| 5) 2-Fluorophenol           | 5.40  | 112  | 62356    | 23.81 | ng    | 0.00     |
| 7) Phenol-d6                | 6.69  | 99   | 64348    | 19.89 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 7.81  | 82   | 87985    | 30.82 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 11.84 | 330  | 36340    | 39.88 | ng    | -0.01    |
| 44) 2-Fluorobiphenyl        | 10.04 | 172  | 187752   | 28.97 | ng    | 0.00     |
| 78) Terphenyl-d14           | 14.69 | 244  | 249898   | 28.41 | ng    | 0.00     |
| Target Compounds            |       |      |          |       |       |          |
| 10) Phenol                  | 6.70  | 94   | 36508    | 9.55  | ng    | 79       |
| 32) Benzoic acid            | 8.41  | 122  | 27512    | 19.91 | ng    | 97       |
| 49) Dimethylphthalate       | 10.54 | 163  | 21201    | 3.00  | ng    | # 95     |

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



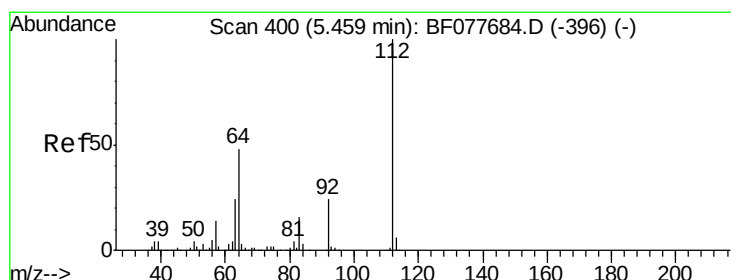
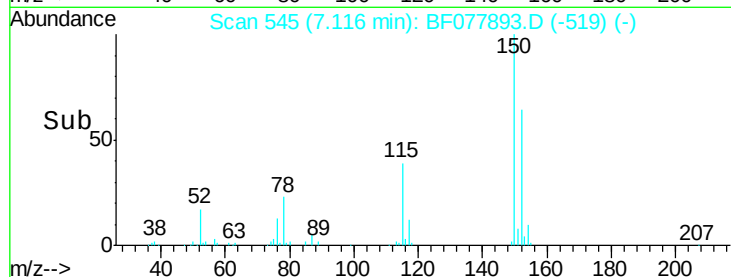
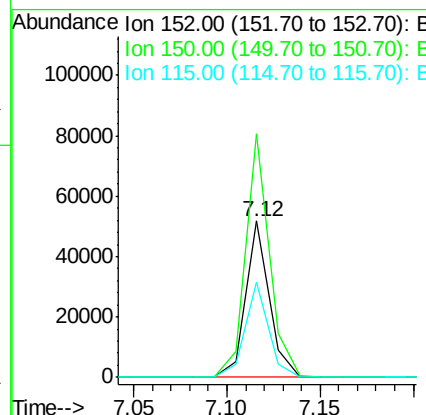
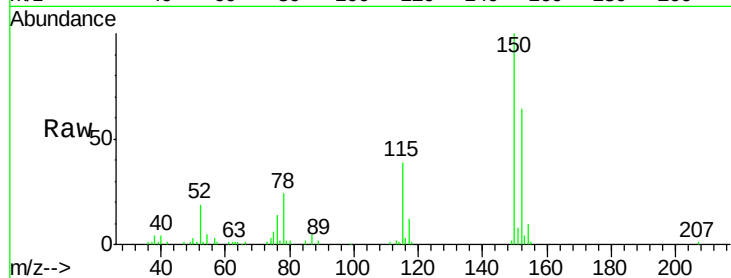


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.12 min Scan# 545  
Delta R.T. 0.00 min  
Lab File: BF077893.D  
Acq: 23 Mar 2015 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
MW-24VRE

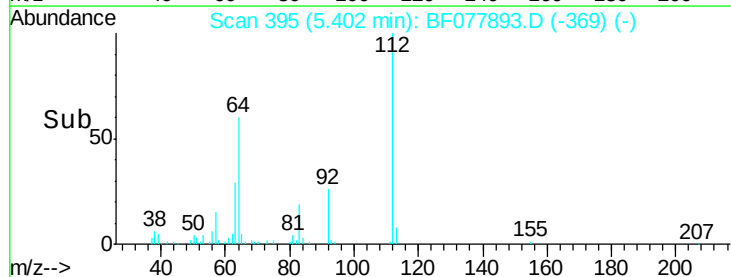
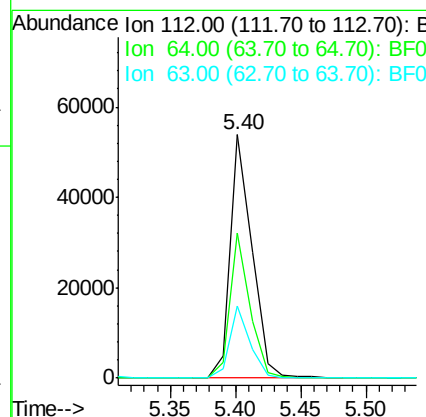
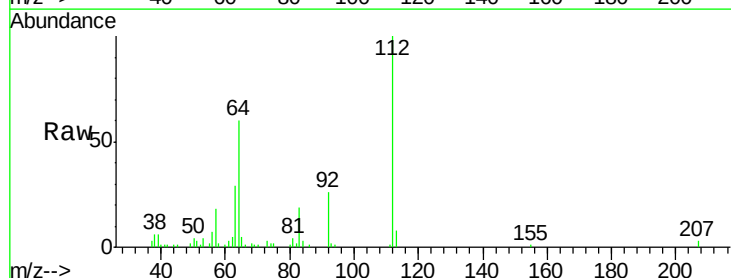
Tot Ion:152 Resp: 45705  
Ion Ratio Lower Upper  
152 100  
150 155.5 119.5 179.3  
115 60.4 43.0 64.4

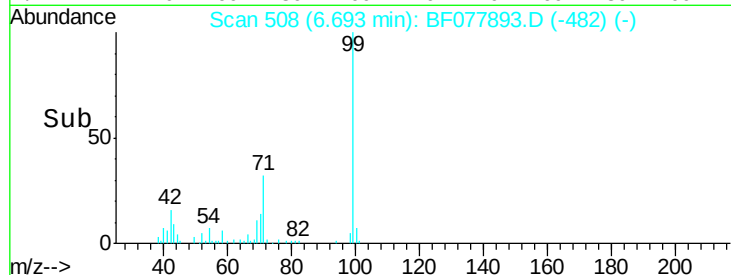
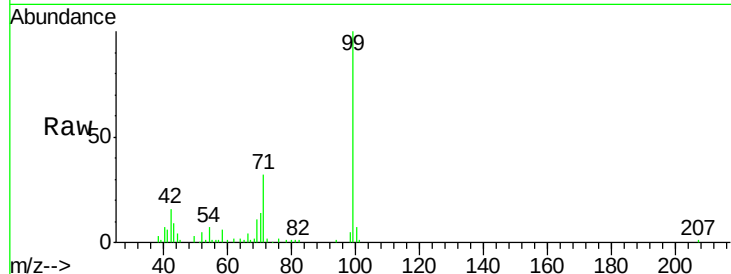
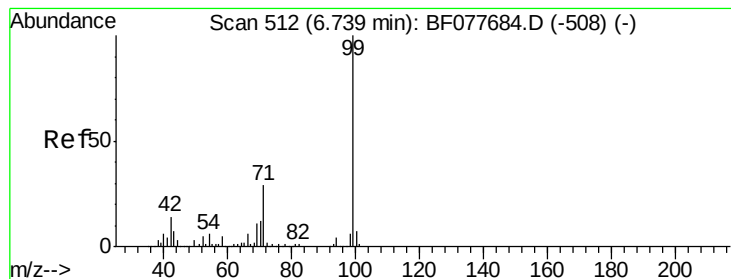


#5

2-Fluorophenol  
Concen: 23.81 ng  
RT: 5.40 min Scan# 395  
Delta R.T. 0.00 min  
Lab File: BF077893.D  
Acq: 23 Mar 2015 14:36

Tgt Ion:112 Resp: 62356  
Ion Ratio Lower Upper  
112 100  
64 59.7 38.6 57.8#  
63 29.4 19.3 28.9#





#7

Phenol-d6

Concen: 19.89 ng

RT: 6.69 min Scan# 508

Delta R.T. 0.00 min

Lab File: BF077893.D

Acq: 23 Mar 2015 14:36

Instrument :

BNA\_F

ClientSampleId :

MW-24VRE

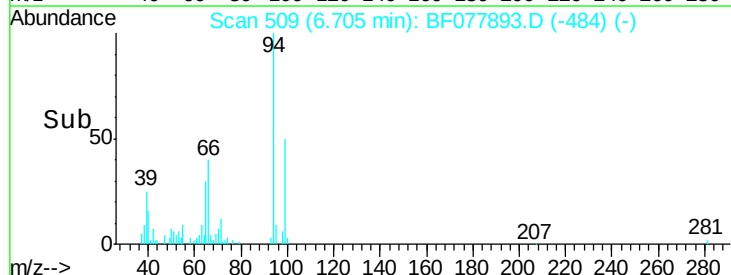
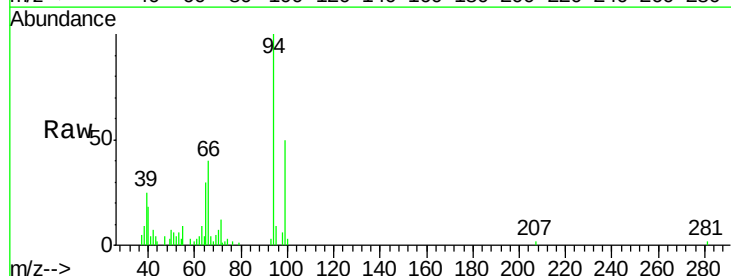
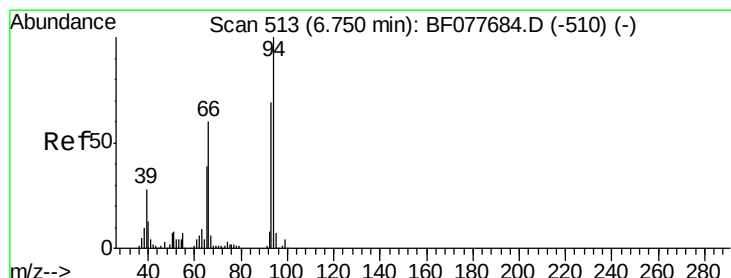
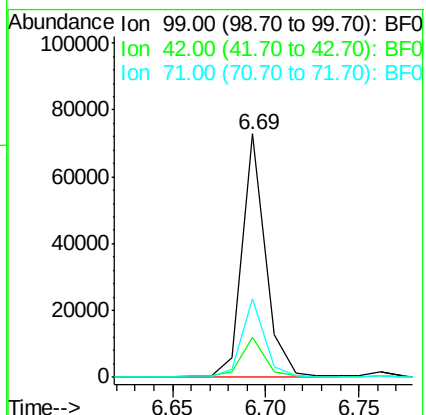
Tot Ion: 99 Resp: 64348

Ion Ratio Lower Upper

99 100

42 16.4 11.0 16.4

71 32.0 23.4 35.2



#10

Phenol

Concen: 9.55 ng

RT: 6.70 min Scan# 509

Delta R.T. -0.01 min

Lab File: BF077893.D

Acq: 23 Mar 2015 14:36

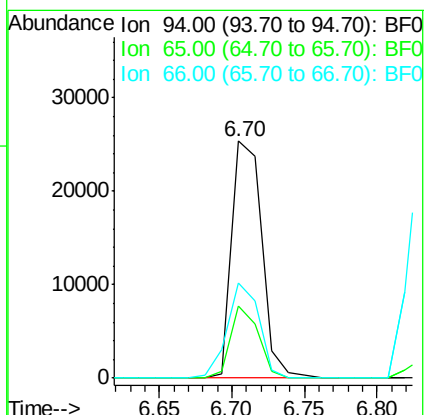
Tgt Ion: 94 Resp: 36508

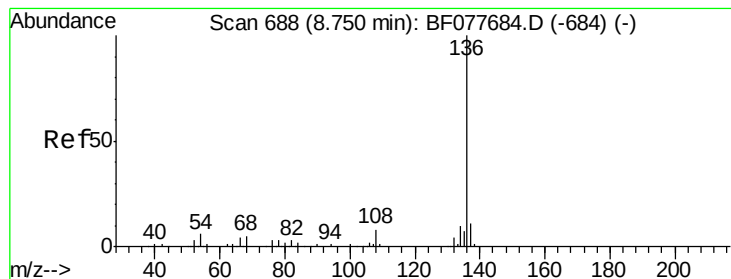
Ion Ratio Lower Upper

94 100

65 30.5 18.8 58.8

66 40.0 39.9 79.9





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.69 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF077893.D

Acq: 23 Mar 2015 14:36

Instrument :

BNA\_F

ClientSampleId :

MW-24VRE

Tot Ion:136 Resp: 187149

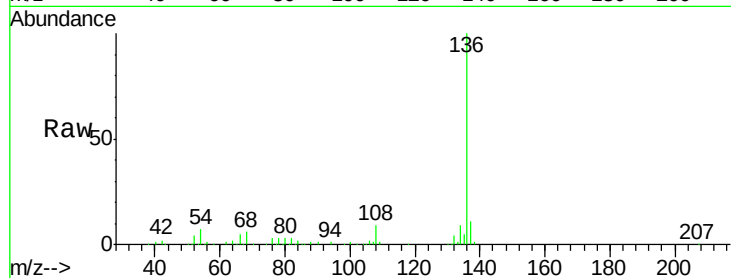
Ion Ratio Lower Upper

136 100

137 11.3 8.7 13.1

54 7.3 4.6 6.8#

68 5.6 3.7 5.5#

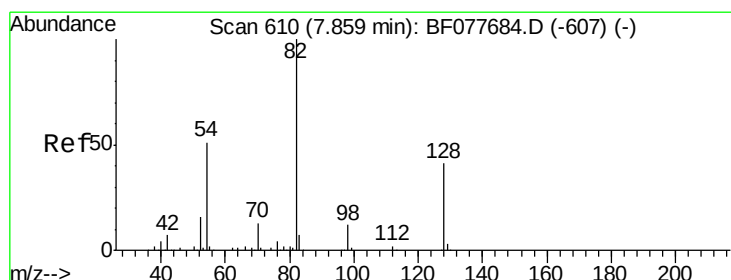
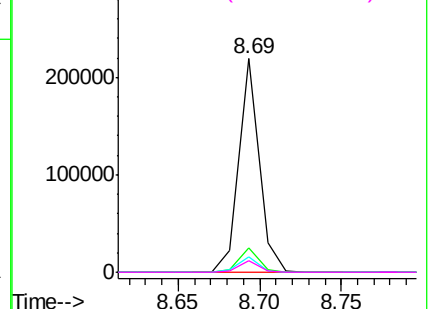
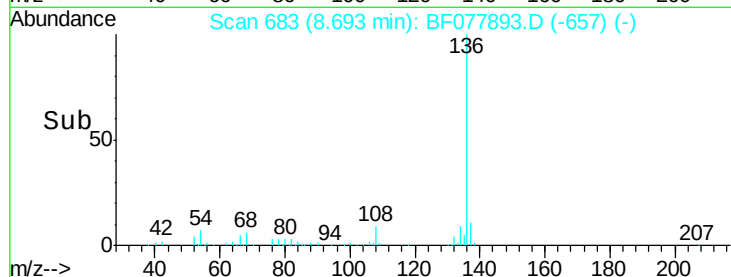


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.82 ng

RT: 7.81 min Scan# 606

Delta R.T. 0.00 min

Lab File: BF077893.D

Acq: 23 Mar 2015 14:36

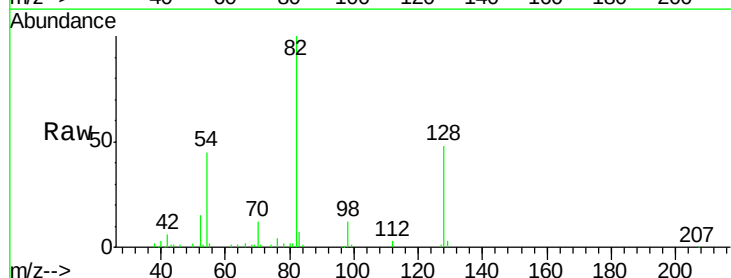
Tgt Ion: 82 Resp: 87985

Ion Ratio Lower Upper

82 100

128 48.2 32.8 49.2

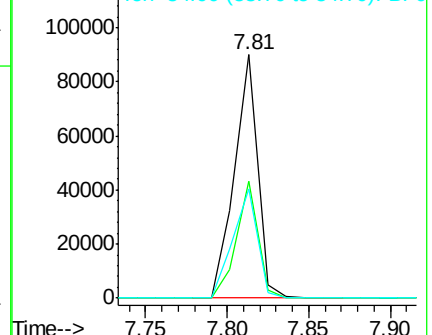
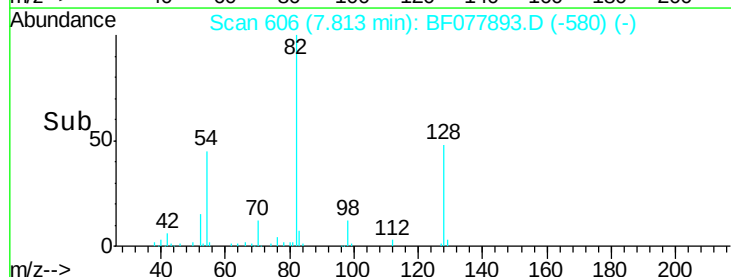
54 44.9 40.6 60.8

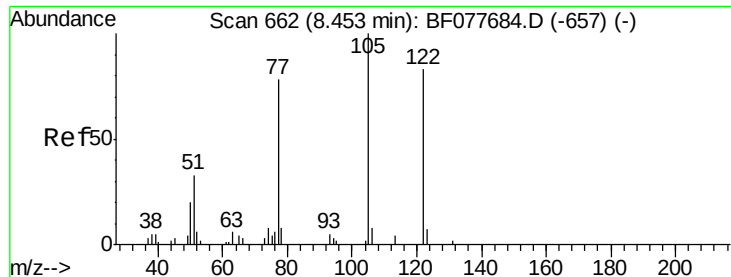


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

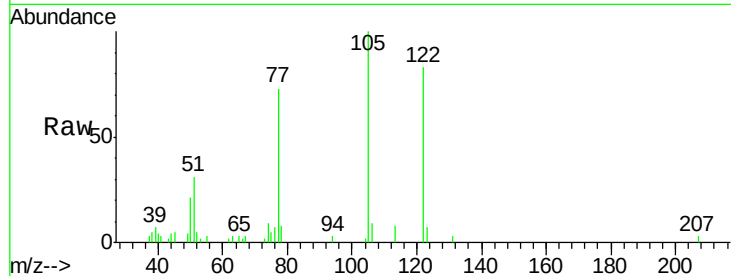




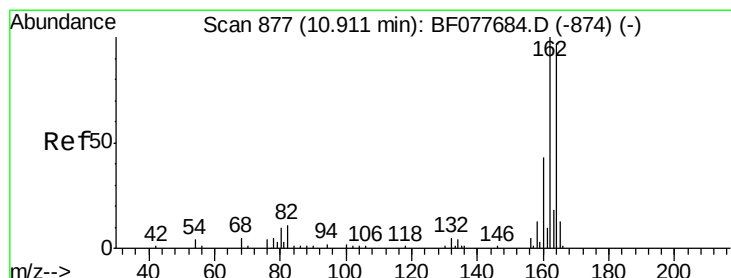
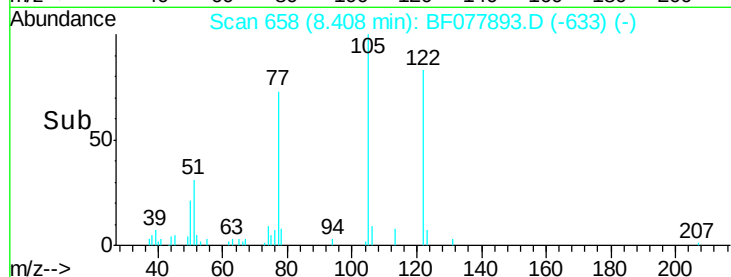
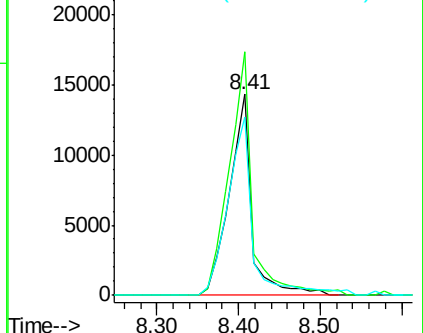
#32  
Benzoic acid  
Concen: 19.91 ng  
RT: 8.41 min Scan# 658  
Delta R.T. -0.01 min  
Lab File: BF077893.D  
Acq: 23 Mar 2015 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
MW-24VRE

Tot Ion:122 Resp: 27512  
Ion Ratio Lower Upper  
122 100  
105 121.0 99.9 139.9  
77 88.4 73.7 113.7

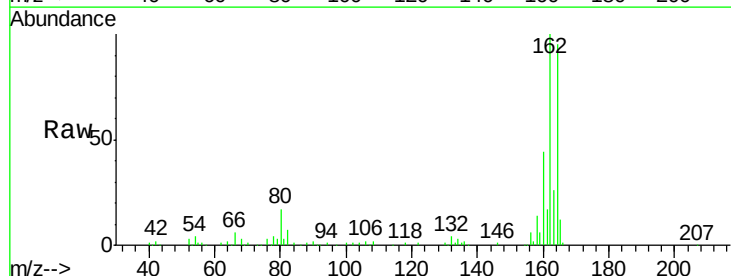


Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BF0

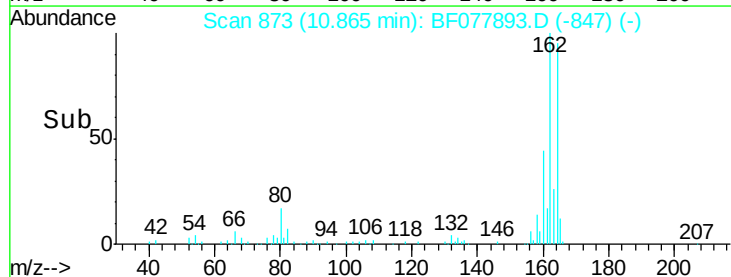
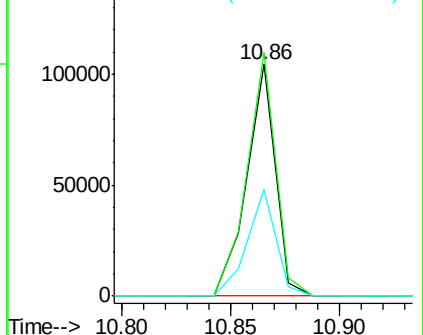


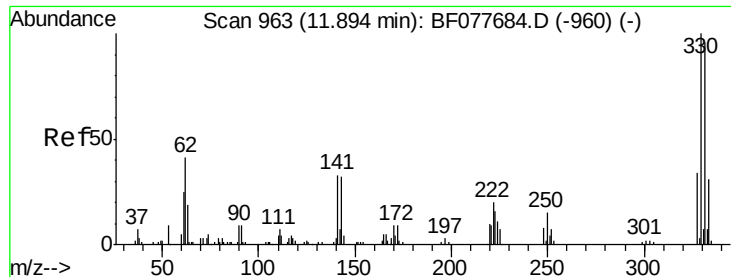
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 10.86 min Scan# 873  
Delta R.T. 0.00 min  
Lab File: BF077893.D  
Acq: 23 Mar 2015 14:36

Tgt Ion:164 Resp: 95243  
Ion Ratio Lower Upper  
164 100  
162 105.0 82.4 123.6  
160 46.0 35.8 53.6



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

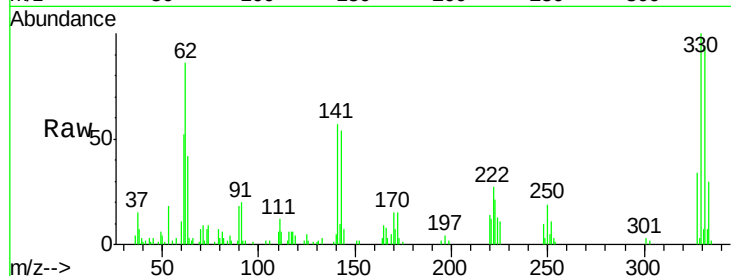




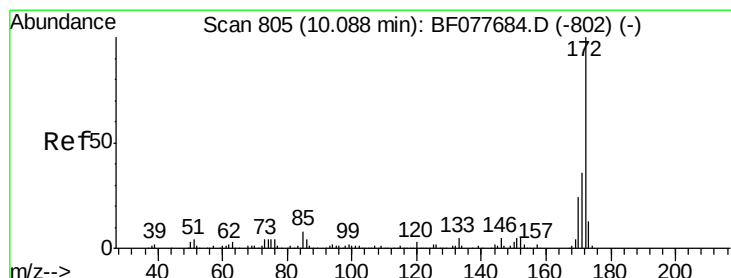
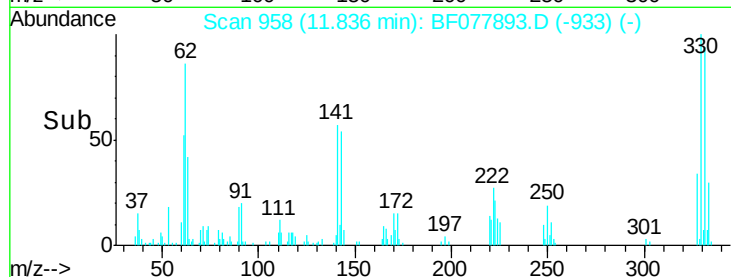
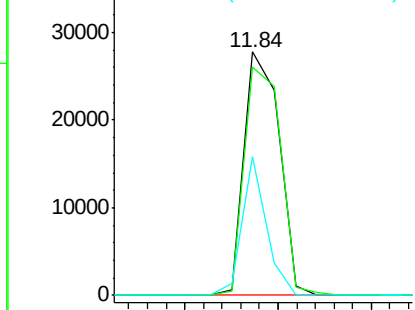
#41  
 2,4,6-Tribromophenol  
 Concen: 39.88 ng  
 RT: 11.84 min Scan# 958  
 Delta R.T. -0.01 min  
 Lab File: BF077893.D  
 Acq: 23 Mar 2015 14:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-24VRE

Tot Ion:330 Resp: 36340  
 Ion Ratio Lower Upper  
 330 100  
 332 97.8 0.0 0.0#  
 141 39.3 0.0 0.0#

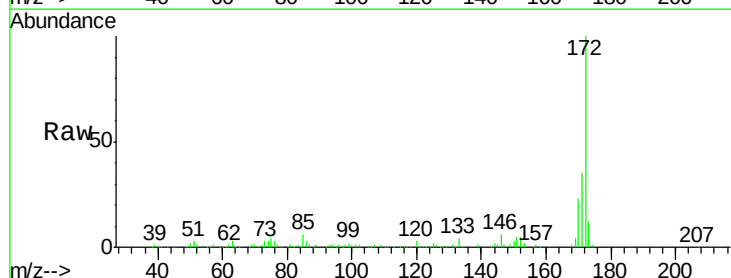


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

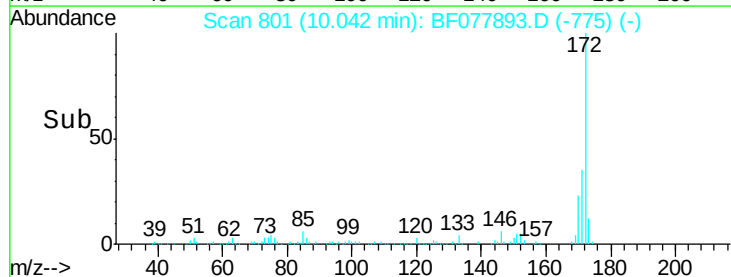
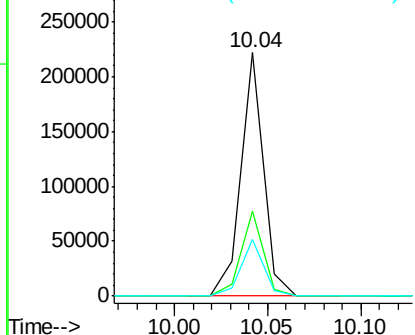


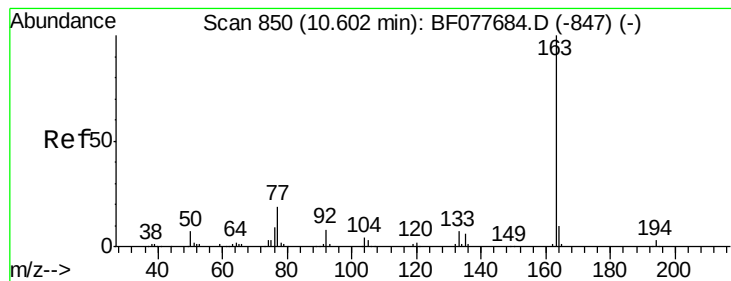
#44  
 2-Fluorobiphenyl  
 Concen: 28.97 ng  
 RT: 10.04 min Scan# 801  
 Delta R.T. 0.00 min  
 Lab File: BF077893.D  
 Acq: 23 Mar 2015 14:36

Tgt Ion:172 Resp: 187752  
 Ion Ratio Lower Upper  
 172 100  
 171 34.8 28.5 42.7  
 170 23.2 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





#49

Dimethylphthalate

Concen: 3.00 ng

RT: 10.54 min Scan# 845

Delta R.T. -0.01 min

Lab File: BF077893.D

Acq: 23 Mar 2015 14:36

Instrument :

BNA\_F

ClientSampleId :

MW-24VRE

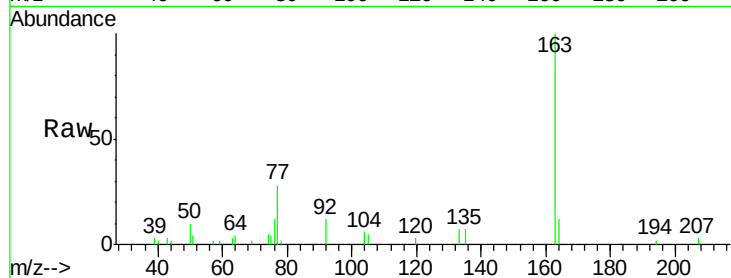
Tot Ion:163 Resp: 21201

Ion Ratio Lower Upper

163 100

194 2.4 2.7 4.1#

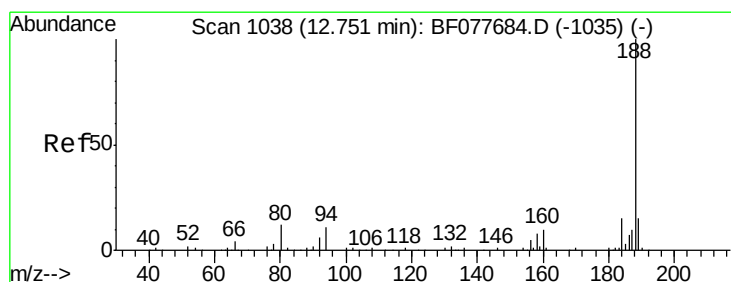
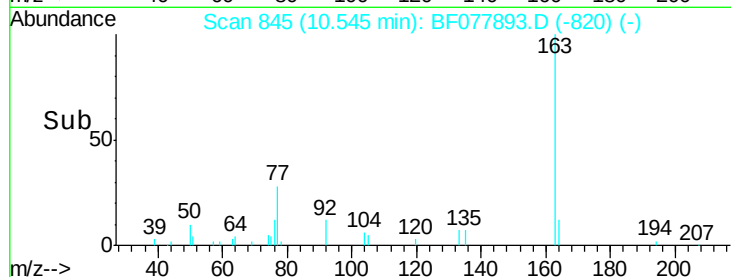
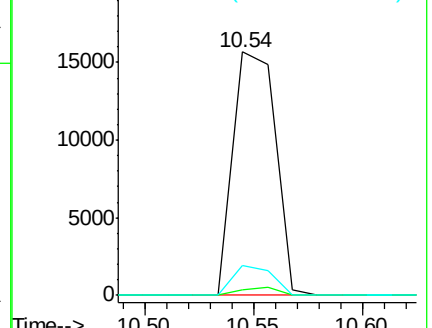
164 12.3 8.2 12.2#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.69 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF077893.D

Acq: 23 Mar 2015 14:36

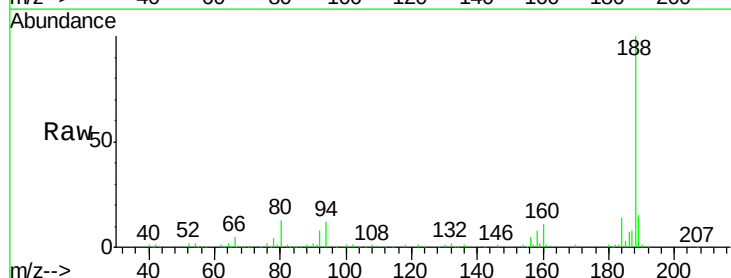
Tgt Ion:188 Resp: 186592

Ion Ratio Lower Upper

188 100

94 12.3 8.7 13.1

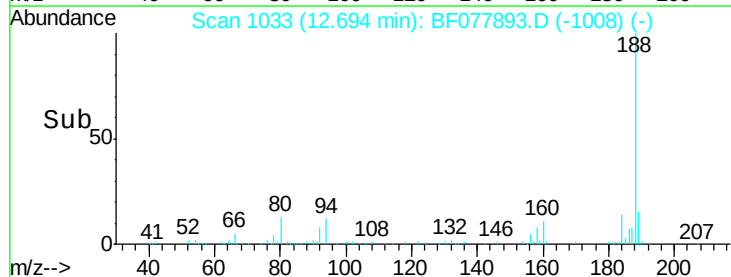
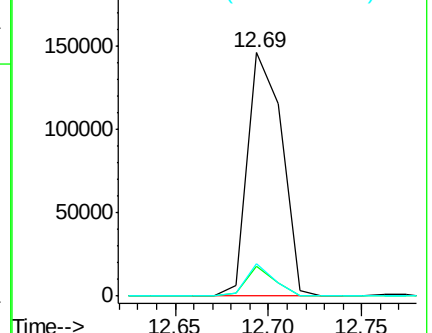
80 13.4 9.3 13.9



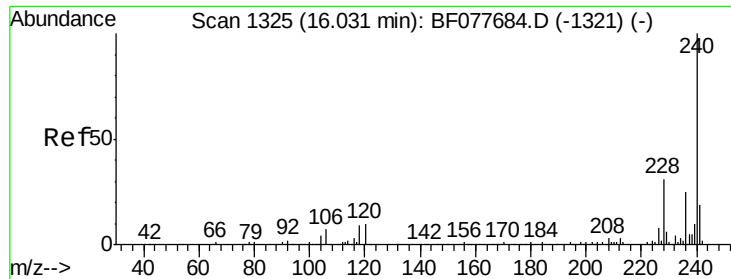
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



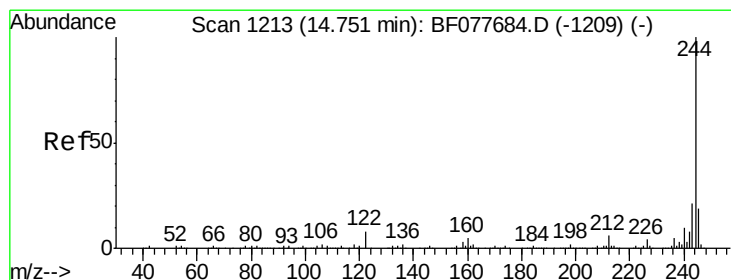
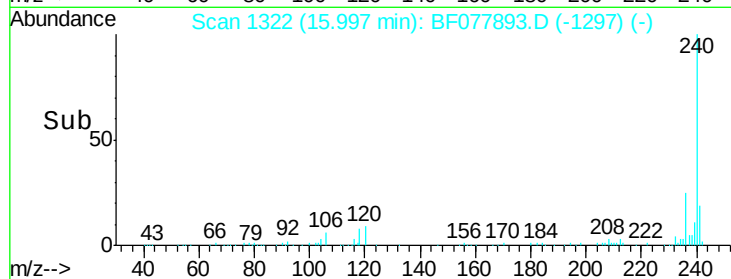
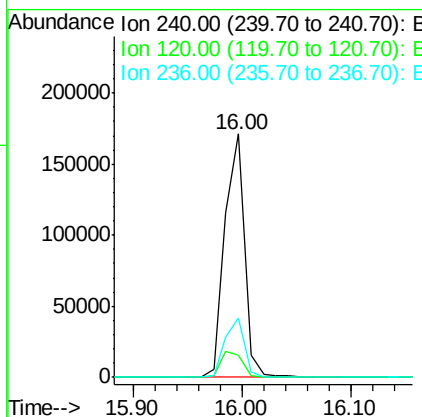
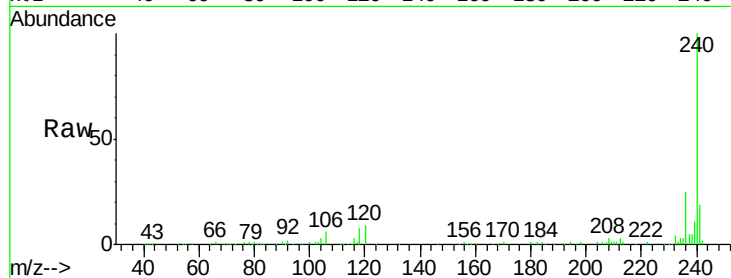




#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 16.00 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BF077893.D  
Acq: 23 Mar 2015 14:36

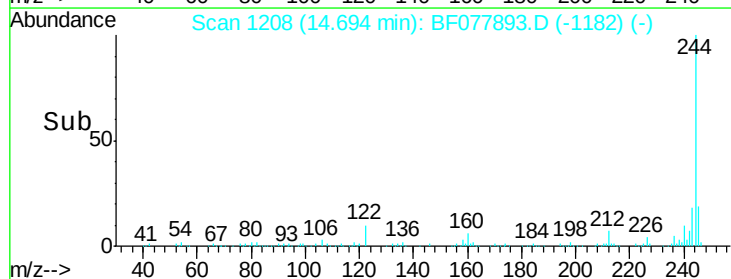
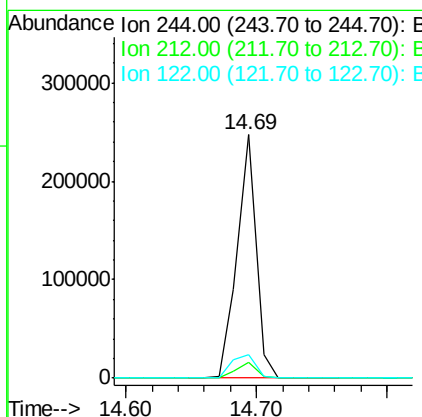
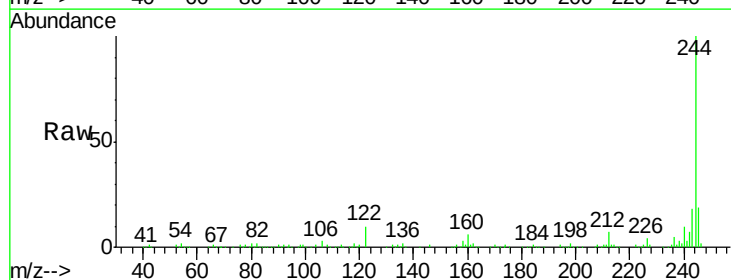
Instrument :  
BNA\_F  
ClientSampleId :  
MW-24VRE

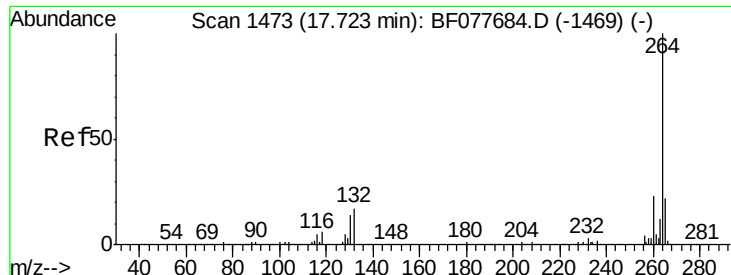
Tot Ion:240 Resp: 214856  
Ion Ratio Lower Upper  
240 100  
120 8.9 8.2 12.2  
236 24.5 20.0 30.0



#78  
Terphenyl-d14  
Concen: 28.41 ng  
RT: 14.69 min Scan# 1208  
Delta R.T. 0.00 min  
Lab File: BF077893.D  
Acq: 23 Mar 2015 14:36

Tgt Ion:244 Resp: 249898  
Ion Ratio Lower Upper  
244 100  
212 6.6 4.9 7.3  
122 9.7 6.2 9.4#

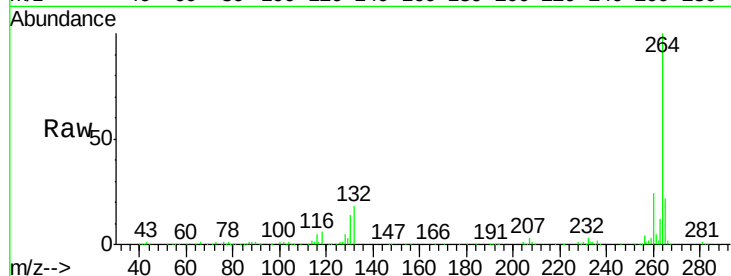




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 17.79 min Scan# 1479  
Delta R.T. -0.03 min  
Lab File: BF077893.D  
Acq: 23 Mar 2015 14:36

Instrument :  
BNA\_F  
ClientSampleId :  
MW-24VRE

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.6  | 18.6  | 27.8  |
| 265     | 21.6  | 17.3  | 25.9  |



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

