

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042115\  
 Data File : BF078716.D  
 Acq On : 22 Apr 2015 10:17  
 Operator : TP/IZ  
 Sample : G1937-05  
 Misc :  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-13

Quant Time: Apr 22 12:40:09 2015  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 20 16:32:38 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 5.82  | 152  | 35089    | 20.00  | ng    | -0.05    |
| 21) Naphthalene-d8          | 7.98  | 136  | 141440   | 20.00  | ng    | -0.05    |
| 38) Acenaphthene-d10        | 11.16 | 164  | 71848    | 20.00  | ng    | -0.05    |
| 63) Phenanthrene-d10        | 13.90 | 188  | 139616   | 20.00  | ng    | -0.05    |
| 75) Chrysene-d12            | 17.76 | 240  | 153128   | 20.00  | ng    | -0.05    |
| 86) Perylene-d12            | 19.47 | 264  | 154347   | 20.00  | ng    | -0.06    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 3.84  | 112  | 121923   | 57.29  | ng    | -0.03    |
| 7) Phenol-d6                | 5.32  | 99   | 99559    | 37.33  | ng    | -0.03    |
| 23) Nitrobenzene-d5         | 6.75  | 82   | 197099   | 84.47  | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol    | 12.64 | 330  | 89307    | 149.87 | ng    | -0.05    |
| 44) 2-Fluorobiphenyl        | 9.99  | 172  | 438174   | 87.18  | ng    | -0.05    |
| 78) Terphenyl-d14           | 16.43 | 244  | 482782   | 71.24  | ng    | -0.03    |

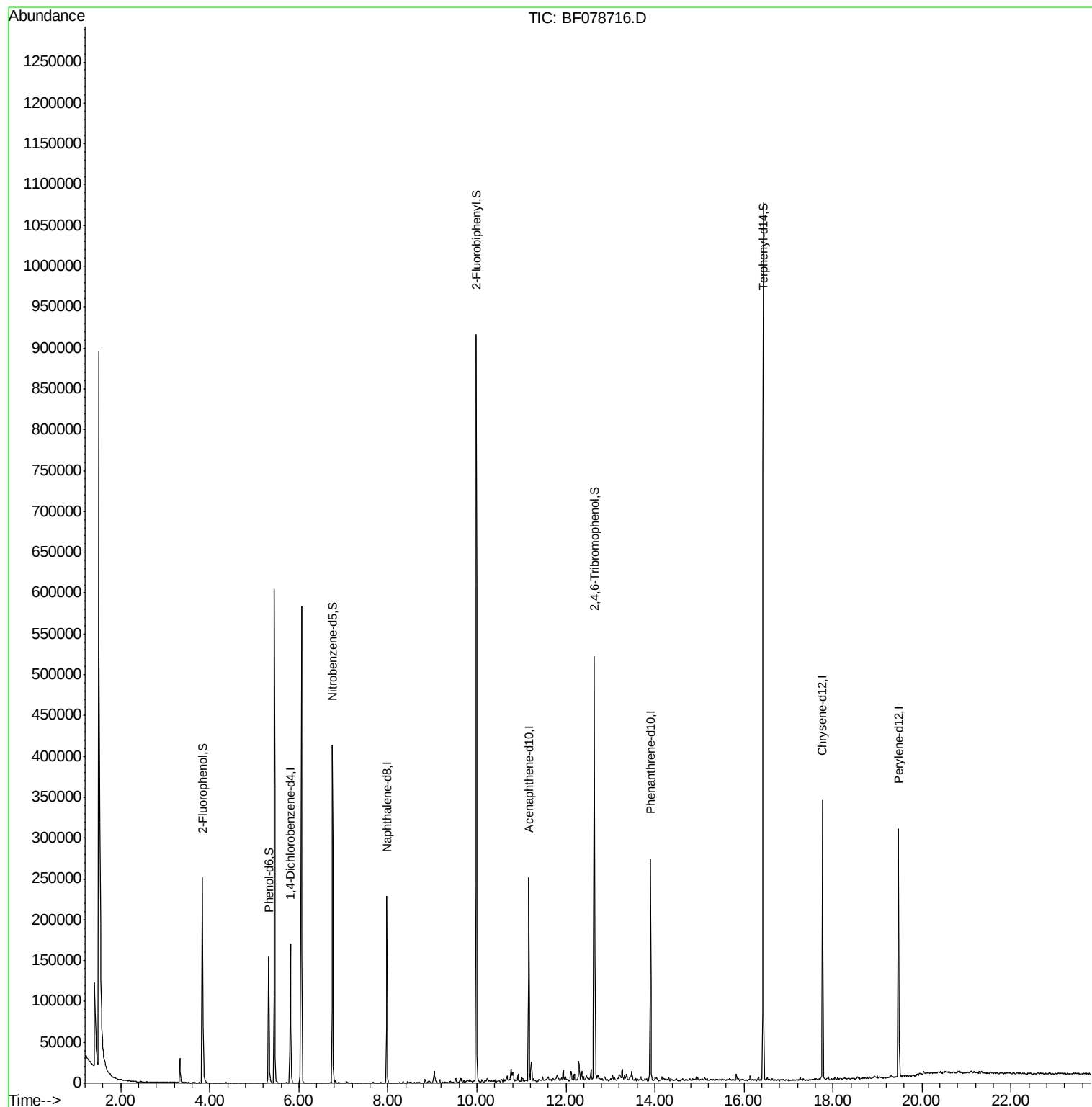
Target Compounds Qvalue

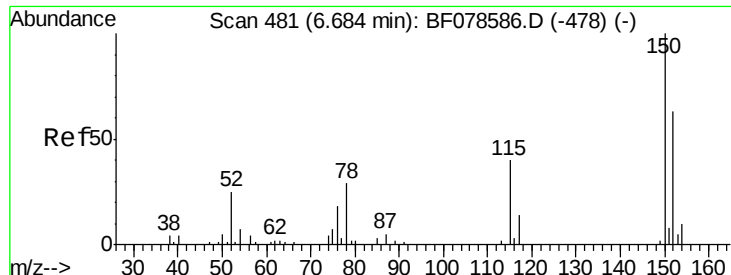
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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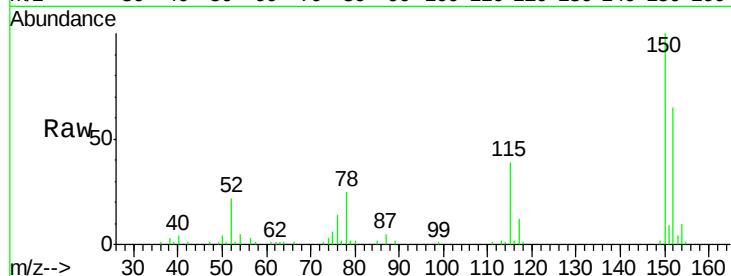


#1

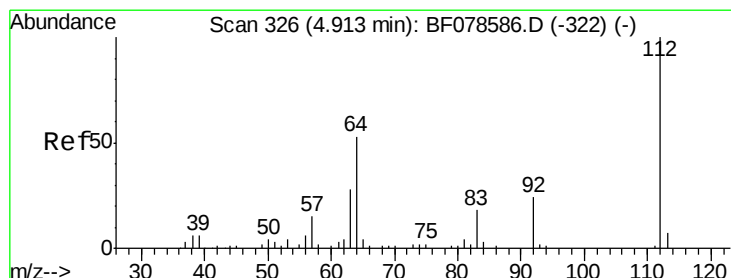
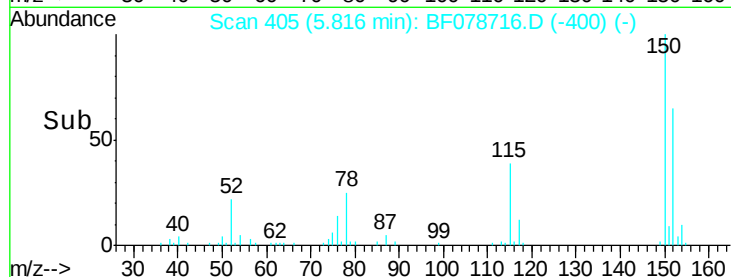
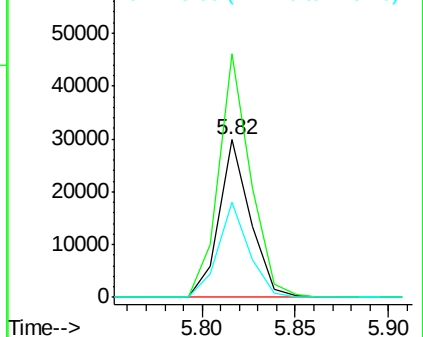
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 5.82 min Scan# 405  
Delta R.T. -0.05 min  
Lab File: BF078716.D  
Acq: 22 Apr 2015 10:17

Instrument :  
BNA\_F  
ClientSampleId :  
MW-13

Tot Ion:152 Resp: 35089  
Ion Ratio Lower Upper  
152 100  
150 154.7 125.9 188.9  
115 60.8 52.7 79.1



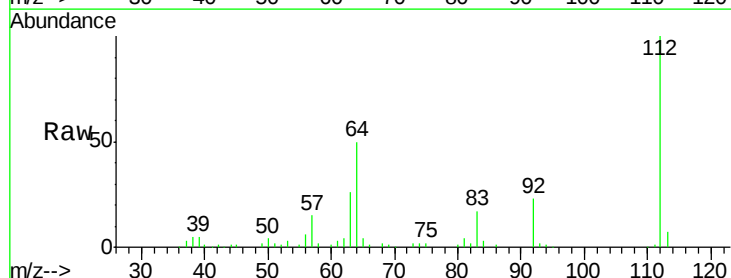
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



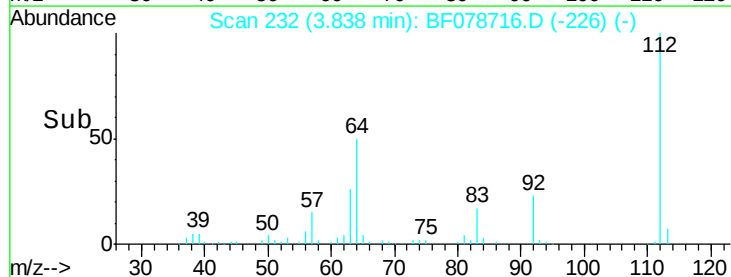
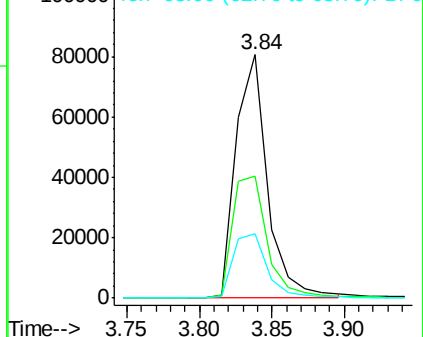
#5

2-Fluorophenol  
Concen: 57.29 ng  
RT: 3.84 min Scan# 232  
Delta R.T. -0.03 min  
Lab File: BF078716.D  
Acq: 22 Apr 2015 10:17

Tgt Ion:112 Resp: 121923  
Ion Ratio Lower Upper  
112 100  
64 50.1 39.9 59.9  
63 26.4 20.2 30.4



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: 37.33 ng

RT: 5.32 min Scan# 362

Delta R.T. -0.03 min

Lab File: BF078716.D

Acq: 22 Apr 2015 10:17

Instrument :

BNA\_F

ClientSampleId :

MW-13

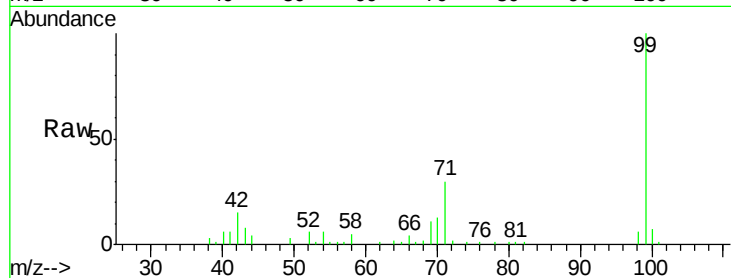
Tot Ion: 99 Resp: 99559

Ion Ratio Lower Upper

99 100

42 14.7 14.8 22.2#

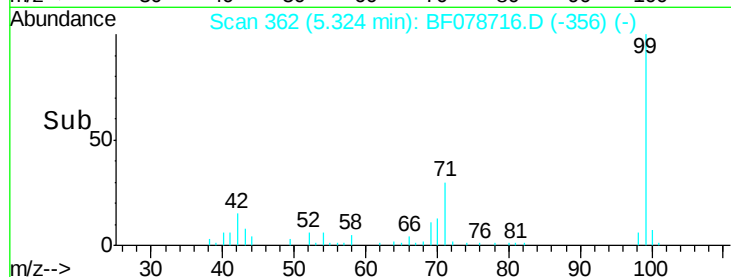
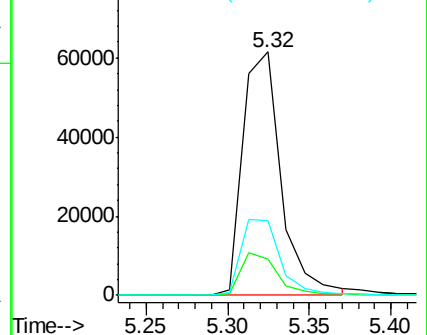
71 30.4 26.6 39.8



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: 7.98 min Scan# 594

Delta R.T. -0.05 min

Lab File: BF078716.D

Acq: 22 Apr 2015 10:17

Tgt Ion: 136 Resp: 141440

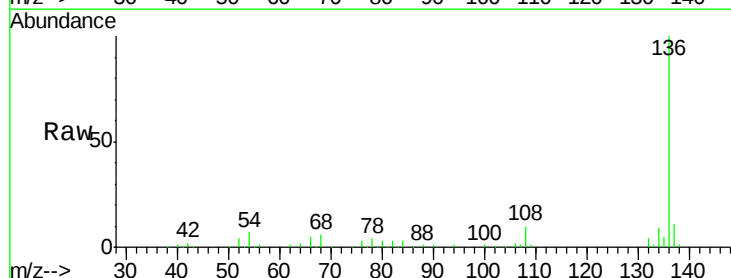
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 7.4 7.0 10.6

68 5.6 5.4 8.2

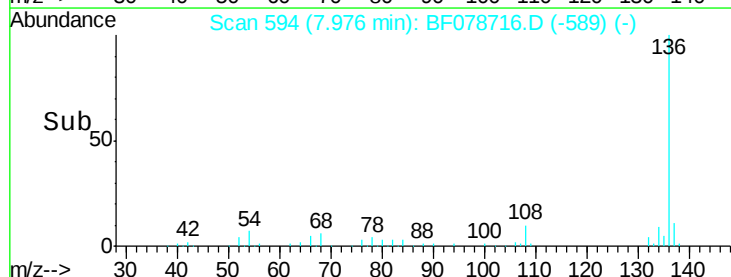
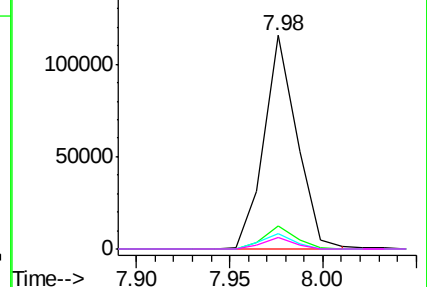


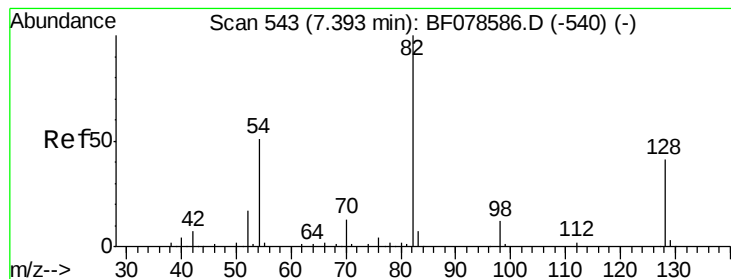
Abundance Ion 136.00 (135.70 to 136.70): E

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: 84.47 ng

RT: 6.75 min Scan# 487

Delta R.T. -0.05 min

Lab File: BF078716.D

Acq: 22 Apr 2015 10:17

Instrument :

BNA\_F

ClientSampled :

MW-13

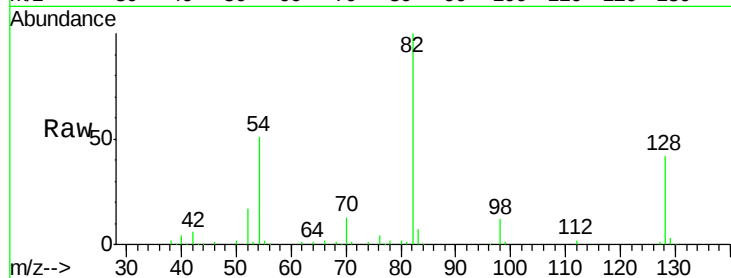
Tot Ion: 82 Resp: 197099

Ion Ratio Lower Upper

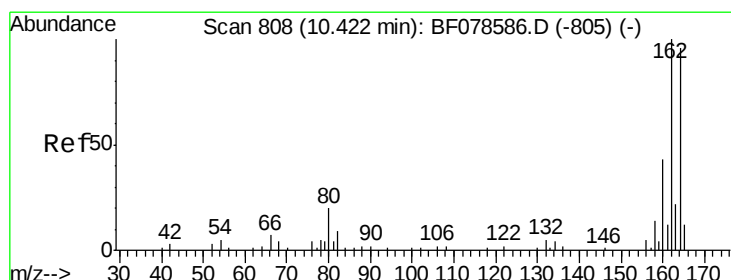
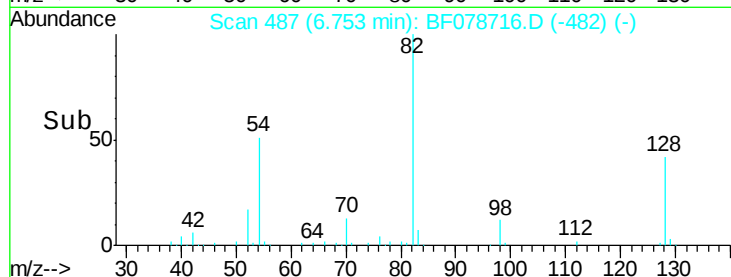
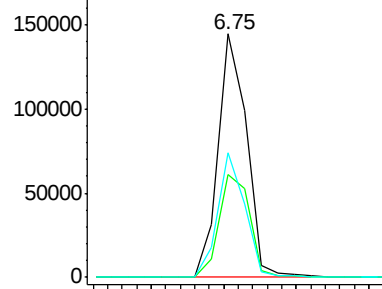
82 100

128 42.3 31.8 47.8

54 51.1 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): B  
Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF078716.D

Acq: 22 Apr 2015 10:17

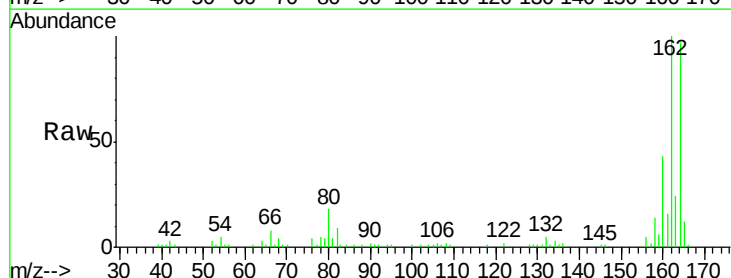
Tgt Ion:164 Resp: 71848

Ion Ratio Lower Upper

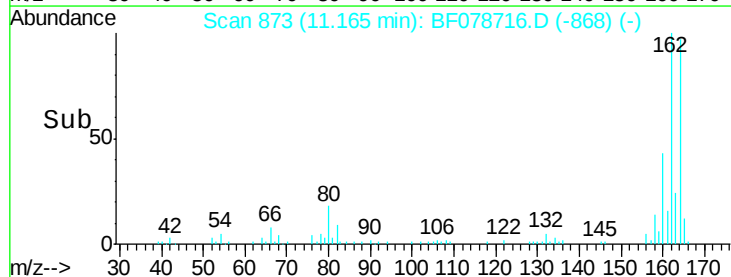
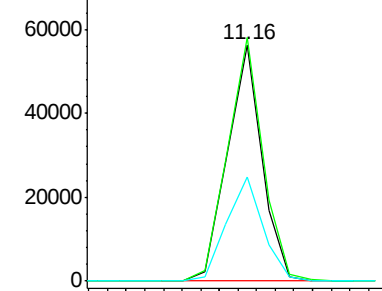
164 100

162 103.0 82.2 123.2

160 44.0 34.7 52.1



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

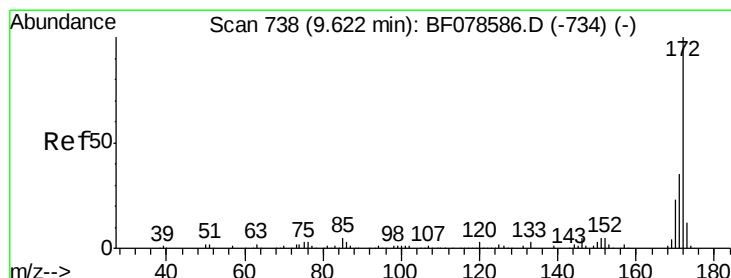
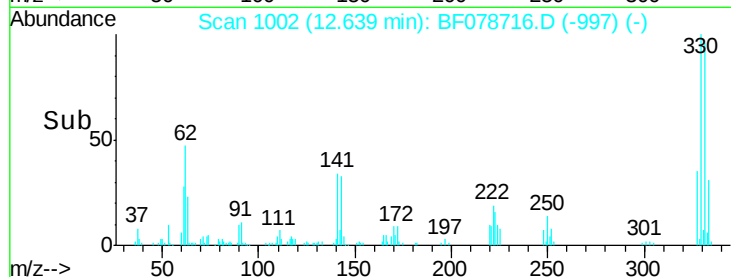
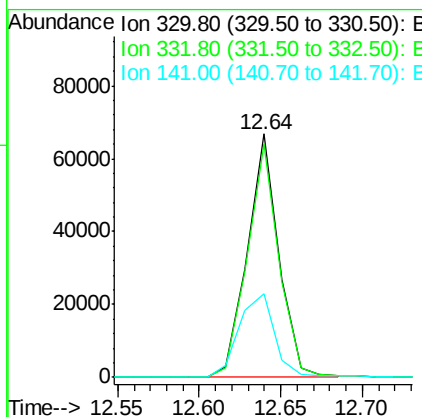
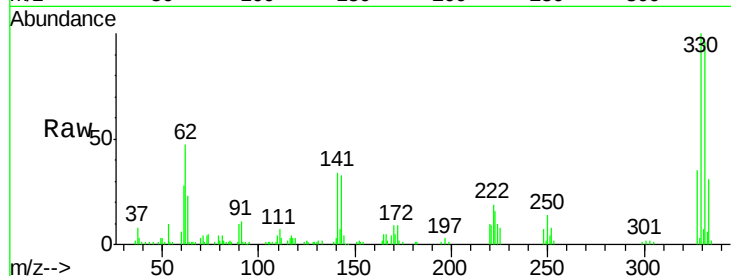




#41  
 2,4,6-Tribromophenol  
 Concen: 149.87 ng  
 RT: 12.64 min Scan# 1002  
 Delta R.T. -0.05 min  
 Lab File: BF078716.D  
 Acq: 22 Apr 2015 10:17

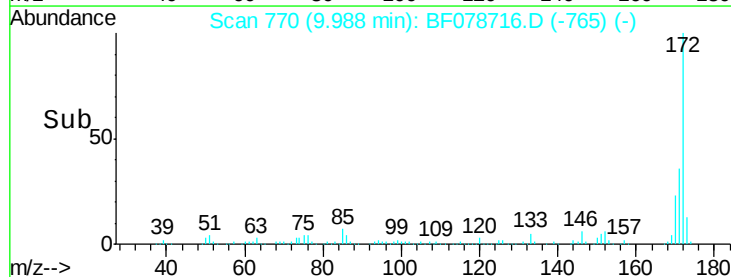
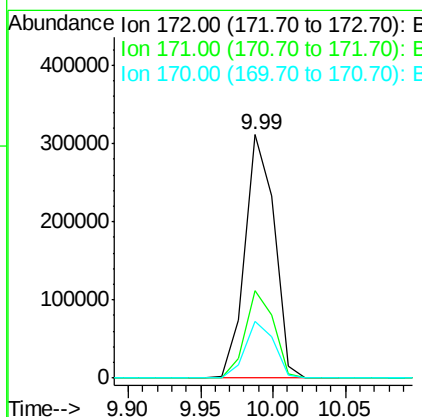
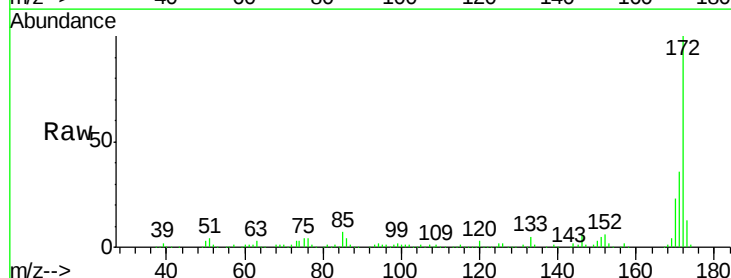
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-13

Tot Ion:330 Resp: 89307  
 Ion Ratio Lower Upper  
 330 100  
 332 96.1 78.6 117.8  
 141 39.0 31.2 46.8



#44  
 2-Fluorobiphenyl  
 Concen: 87.18 ng  
 RT: 9.99 min Scan# 770  
 Delta R.T. -0.05 min  
 Lab File: BF078716.D  
 Acq: 22 Apr 2015 10:17

Tgt Ion:172 Resp: 438174  
 Ion Ratio Lower Upper  
 172 100  
 171 35.8 28.6 42.8  
 170 23.4 18.5 27.7

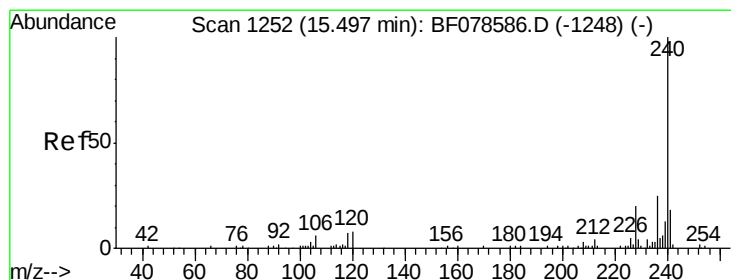
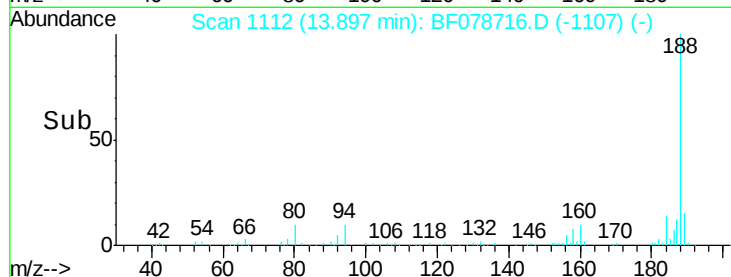
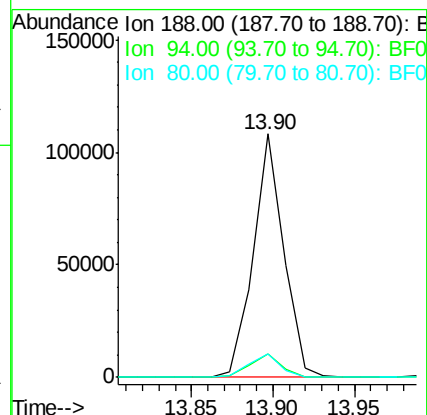
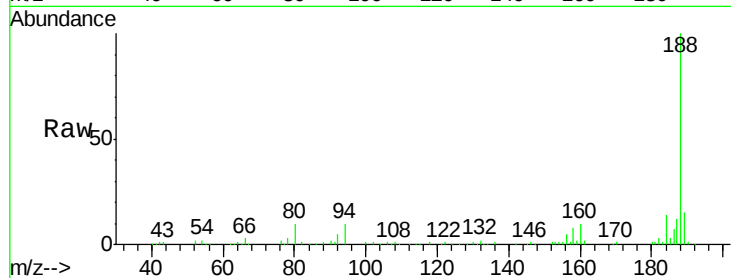




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 13.90 min Scan# 1112  
Delta R.T. -0.05 min  
Lab File: BF078716.D  
Acq: 22 Apr 2015 10:17

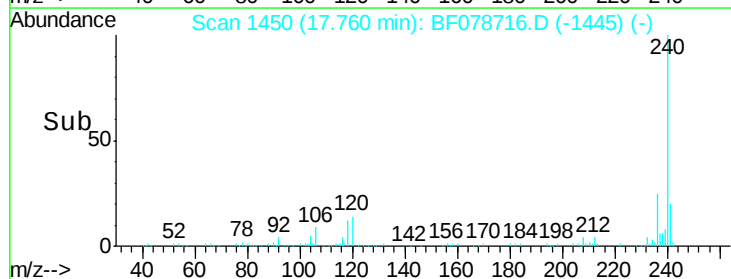
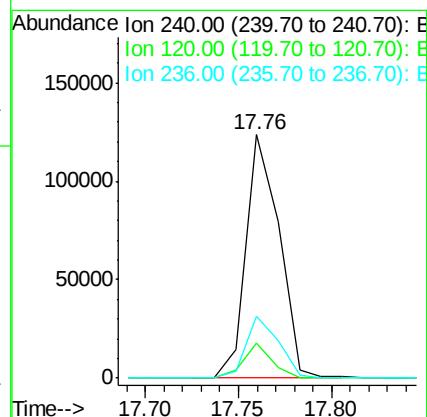
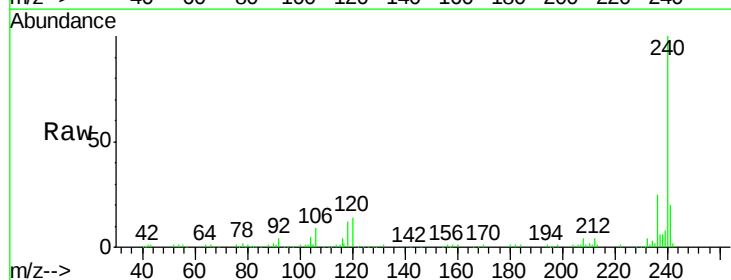
Instrument :  
BNA\_F  
ClientSampled :  
MW-13

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.5   | 9.0   | 13.4  |
| 80      | 9.7   | 9.5   | 14.3  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 17.76 min Scan# 1450  
Delta R.T. -0.05 min  
Lab File: BF078716.D  
Acq: 22 Apr 2015 10:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 14.3  | 7.1   | 10.7# |
| 236     | 25.5  | 21.4  | 32.2  |





#78

Terphenyl-d14

Concen: 71.24 ng

RT: 16.43 min Scan# 1334

Delta R.T. -0.03 min

Lab File: BF078716.D

Acq: 22 Apr 2015 10:17

Instrument :

BNA\_F

ClientSampleId :

MW-13

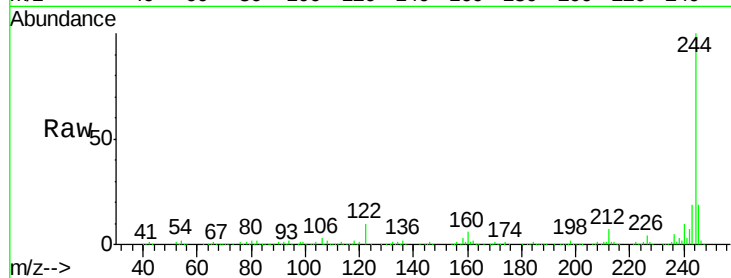
Tot Ion:244 Resp: 482782

Ion Ratio Lower Upper

244 100

212 6.5 5.0 7.4

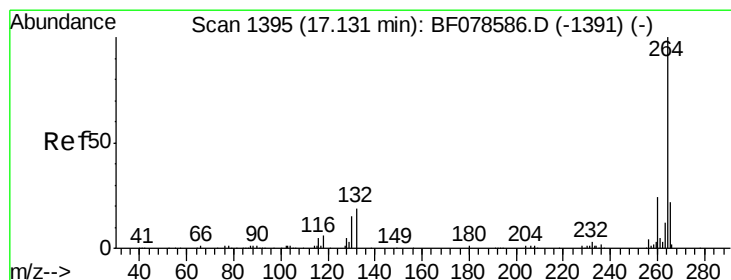
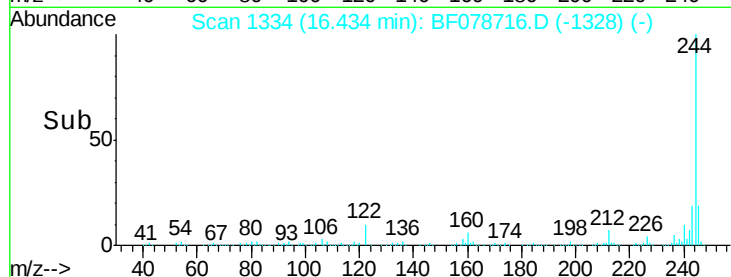
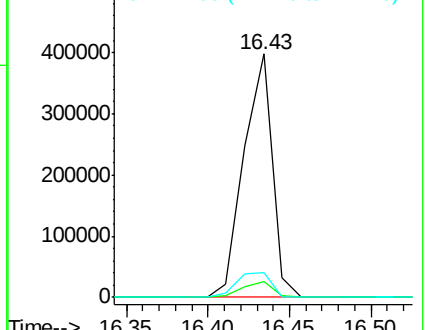
122 10.0 7.1 10.7



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: 19.47 min Scan# 1600

Delta R.T. -0.06 min

Lab File: BF078716.D

Acq: 22 Apr 2015 10:17

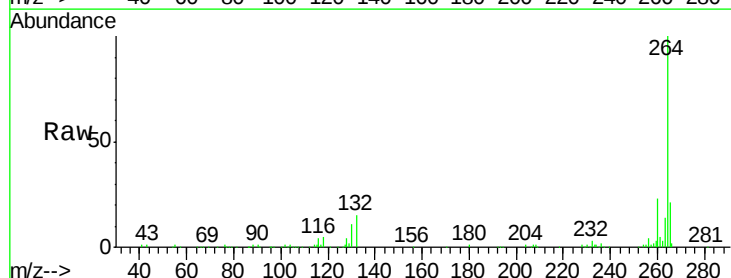
Tgt Ion:264 Resp: 154347

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 20.8 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

