

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102616\  
 Data File : BF090846.D  
 Acq On : 26 Oct 2016 18:07  
 Operator : UM/SJ  
 Sample : H5308-16  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-106D

Quant Time: Oct 27 09:13:42 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 26 16:35:31 2016  
 Response via : Initial Calibration

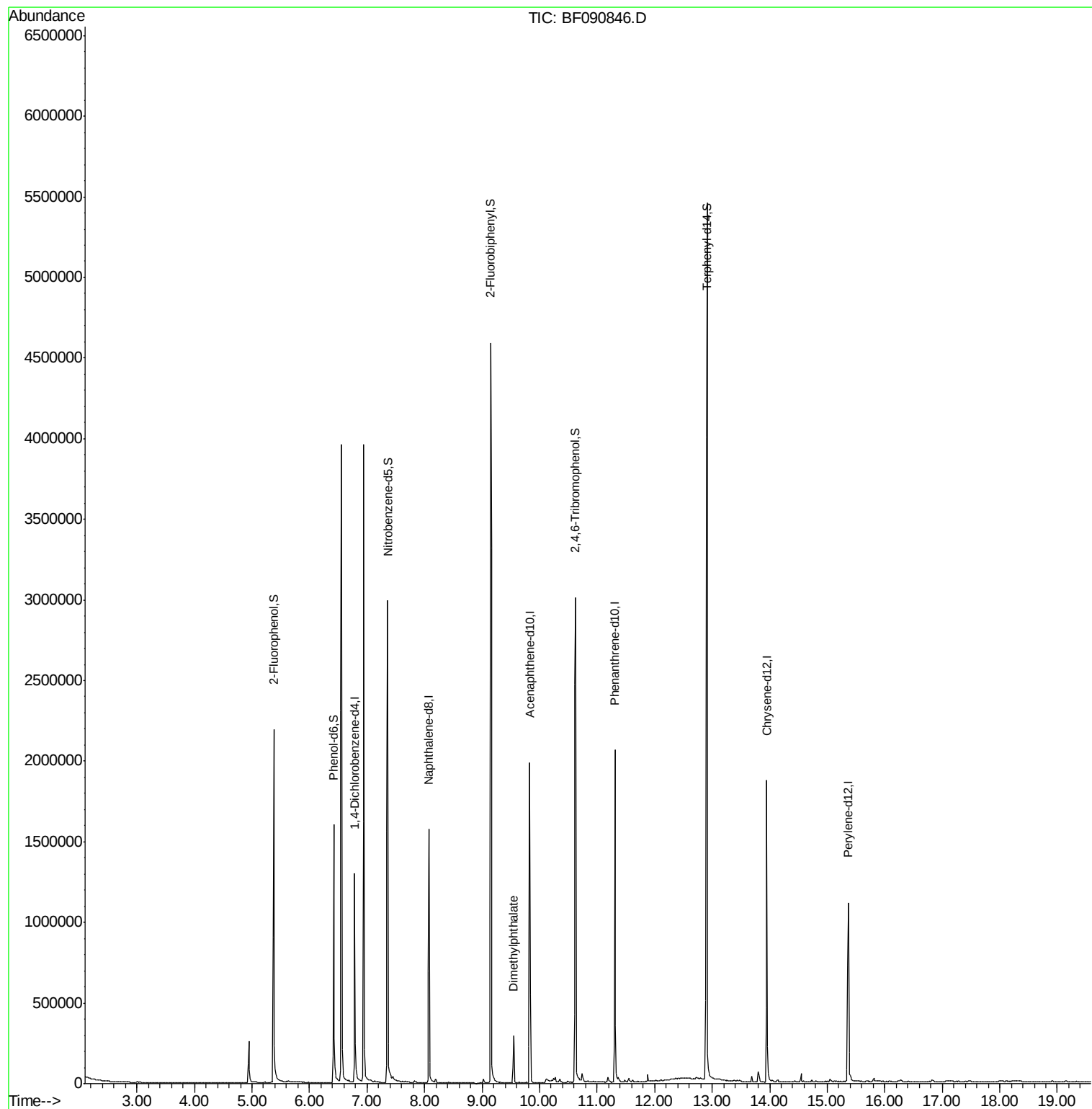
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.78  | 152  | 205936   | 20.00  | ng    | -0.01          |
| 21) Naphthalene-d8          | 8.08  | 136  | 868423   | 20.00  | ng    | -0.01          |
| 38) Acenaphthene-d10        | 9.82  | 164  | 441416   | 20.00  | ng    | -0.02          |
| 63) Phenanthrene-d10        | 11.31 | 188  | 741222   | 20.00  | ng    | -0.01          |
| 75) Chrysene-d12            | 13.95 | 240  | 654338   | 20.00  | ng    | -0.01          |
| 86) Perylene-d12            | 15.37 | 264  | 527039   | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.38  | 112  | 731456   | 62.10  | ng    | -0.01          |
| 7) Phenol-d6                | 6.42  | 99   | 581805   | 36.61  | ng    | -0.02          |
| 23) Nitrobenzene-d5         | 7.36  | 82   | 1342196  | 101.18 | ng    | -0.01          |
| 41) 2,4,6-Tribromophenol    | 10.62 | 330  | 611267   | 134.75 | ng    | -0.01          |
| 44) 2-Fluorobiphenyl        | 9.15  | 172  | 2186164  | 86.97  | ng    | -0.02          |
| 78) Terphenyl-d14           | 12.91 | 244  | 2398831  | 92.36  | ng    | -0.01          |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 9.55  | 163  | 134476   | 4.56   | ng    | Qvalue<br># 96 |

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

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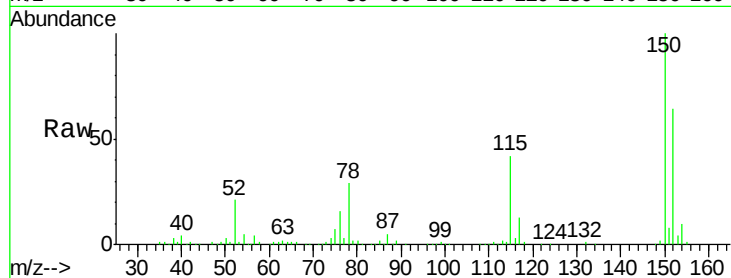


#1

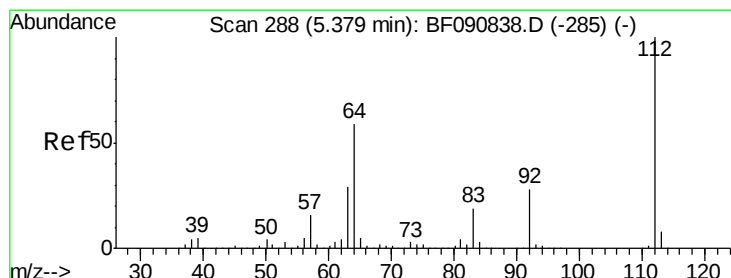
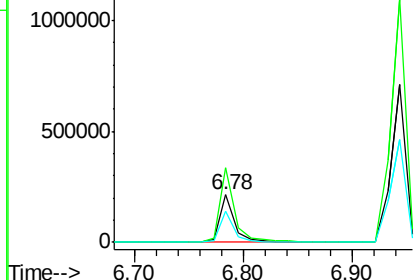
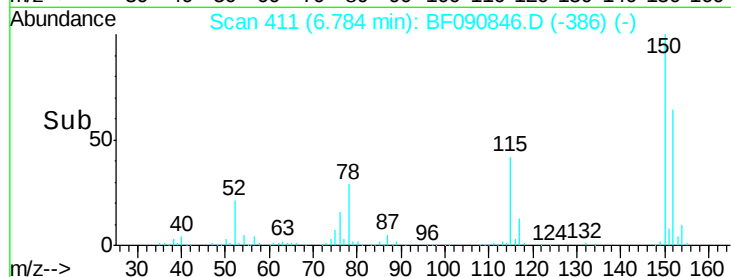
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.78 min Scan# 411  
Delta R.T. -0.01 min  
Lab File: BF090846.D  
Acq: 26 Oct 2016 18:07

Instrument :  
BNA\_F  
ClientSampleId :  
MW-106D

Tot Ion:152 Resp: 205936  
Ion Ratio Lower Upper  
152 100  
150 156.2 124.7 187.1  
115 65.3 39.0 58.4#



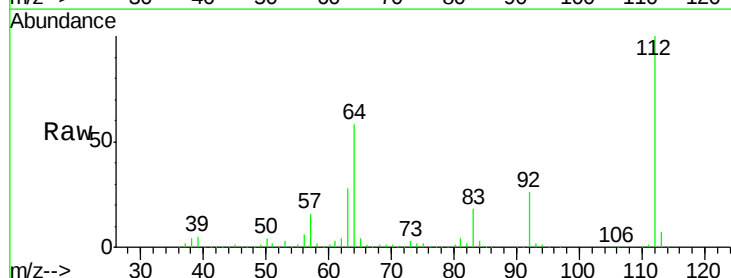
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



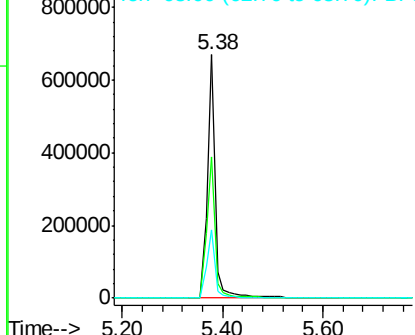
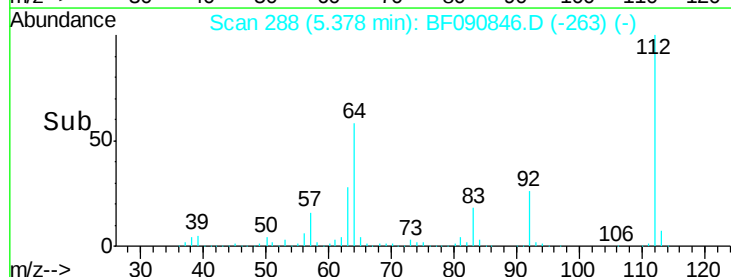
#5

2-Fluorophenol  
Concen: 62.10 ng  
RT: 5.38 min Scan# 288  
Delta R.T. -0.01 min  
Lab File: BF090846.D  
Acq: 26 Oct 2016 18:07

Tgt Ion:112 Resp: 731456  
Ion Ratio Lower Upper  
112 100  
64 58.2 39.7 59.5  
63 28.3 17.4 26.0#



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: 36.61 ng

RT: 6.42 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF090846.D

Acq: 26 Oct 2016 18:07

Instrument :

BNA\_F

ClientSampleId :

MW-106D

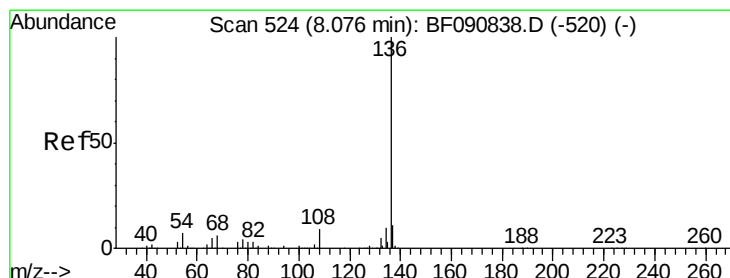
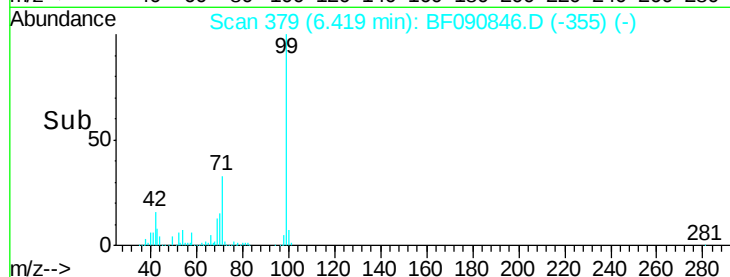
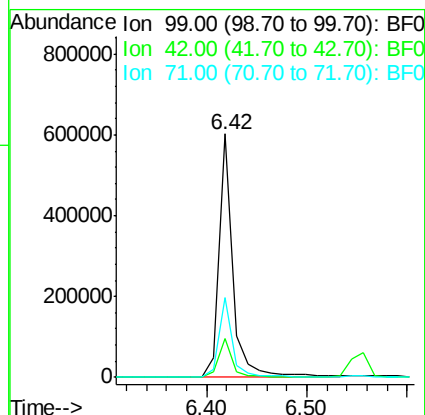
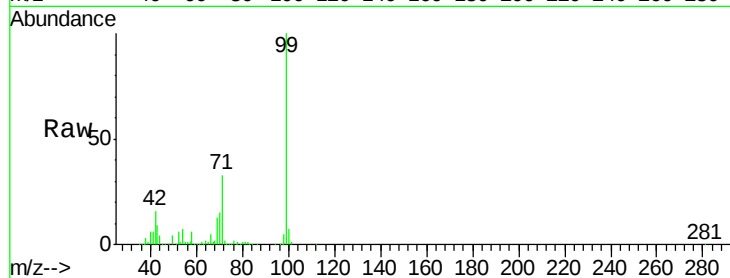
Tot Ion: 99 Resp: 581805

Ion Ratio Lower Upper

99 100

42 16.0 13.7 20.5

71 32.7 14.2 21.2#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.08 min Scan# 524

Delta R.T. -0.01 min

Lab File: BF090846.D

Acq: 26 Oct 2016 18:07

Tgt Ion: 136 Resp: 868423

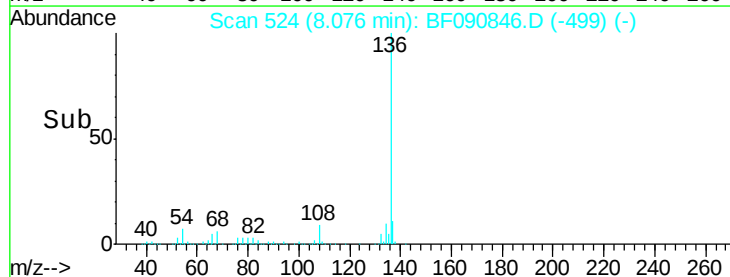
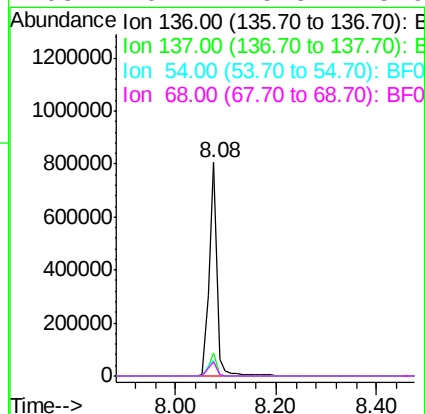
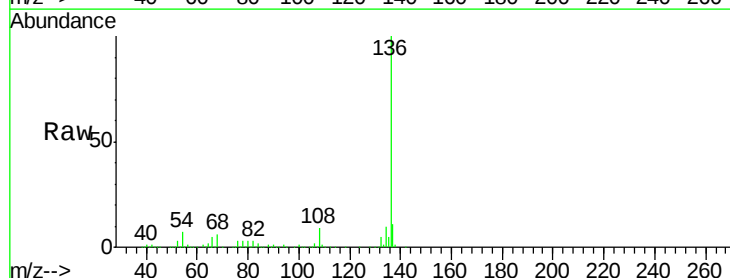
Ion Ratio Lower Upper

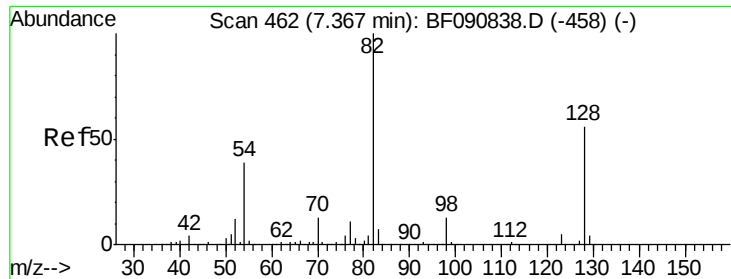
136 100

137 10.9 9.0 13.6

54 7.0 8.2 12.2#

68 6.4 5.8 8.6

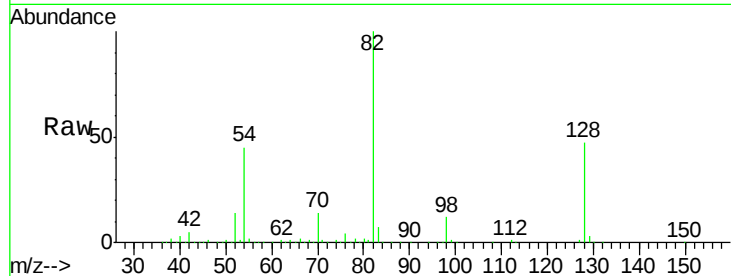




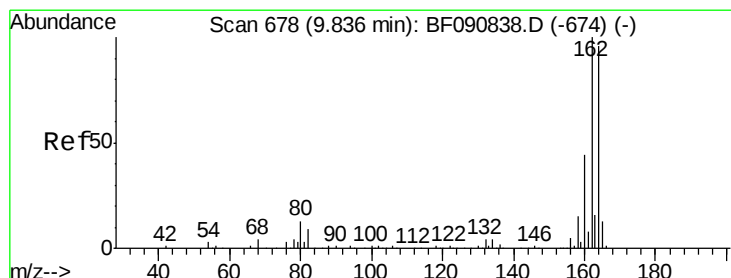
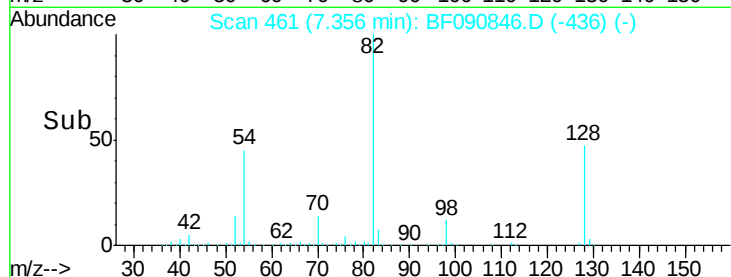
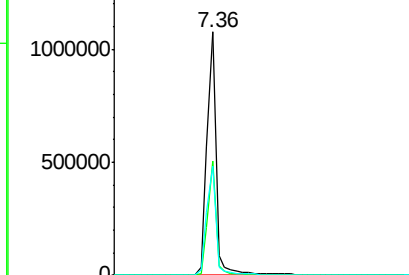
#23  
Nitrobenzene-d5  
Concen: 101.18 ng  
RT: 7.36 min Scan# 461  
Delta R.T. -0.01 min  
Lab File: BF090846.D  
Acq: 26 Oct 2016 18:07

Instrument :  
BNA\_F  
ClientSampleId :  
MW-106D

Tot Ion: 82 Resp: 1342196  
Ion Ratio Lower Upper  
82 100  
128 46.9 51.0 76.6#  
54 44.6 47.5 71.3#

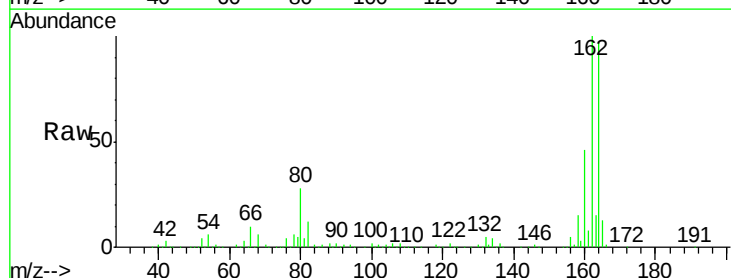


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

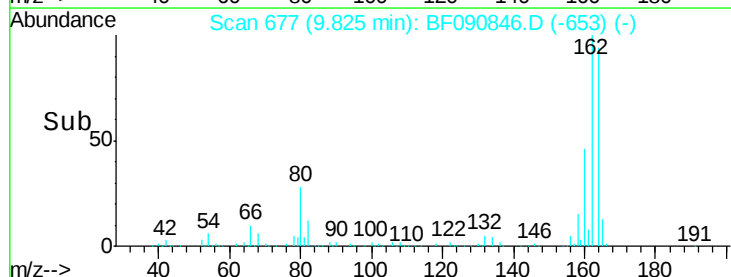
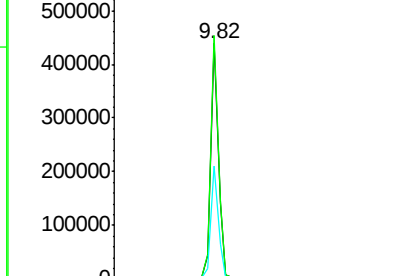


#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.82 min Scan# 677  
Delta R.T. -0.02 min  
Lab File: BF090846.D  
Acq: 26 Oct 2016 18:07

Tgt Ion:164 Resp: 441416  
Ion Ratio Lower Upper  
164 100  
162 103.4 75.2 112.8  
160 47.9 31.5 47.3#



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

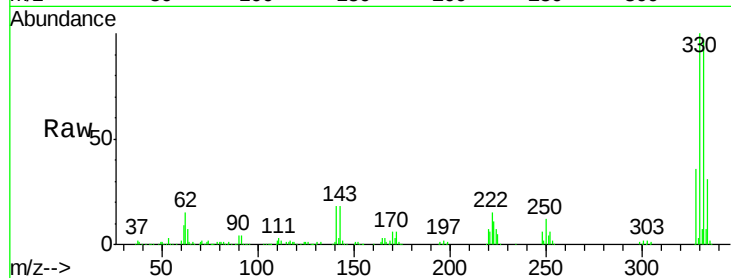




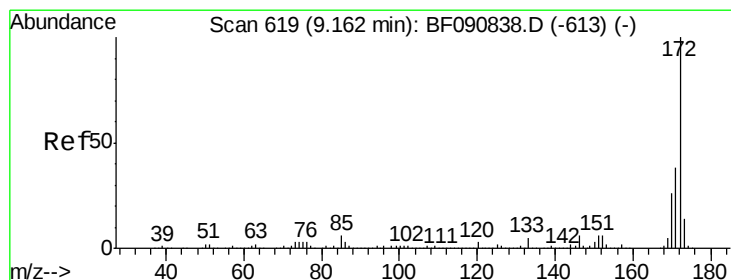
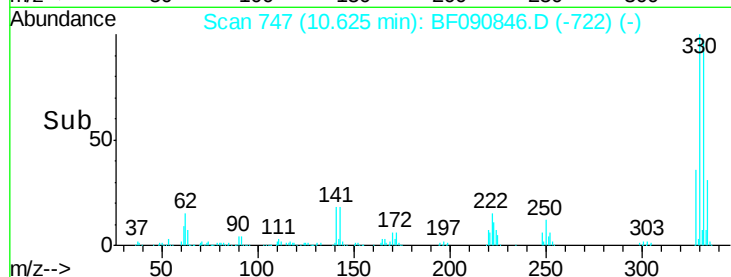
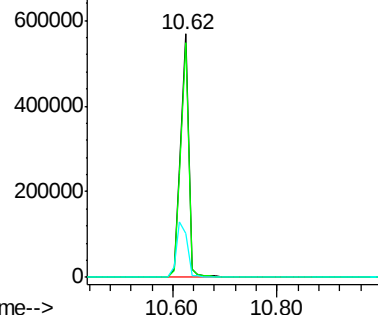
#41  
 2,4,6-Tribromophenol  
 Concen: 134.75 ng  
 RT: 10.62 min Scan# 747  
 Delta R.T. -0.01 min  
 Lab File: BF090846.D  
 Acq: 26 Oct 2016 18:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-106D

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.0  | 76.6  | 114.8 |
| 141     | 30.6  | 29.7  | 44.5  |

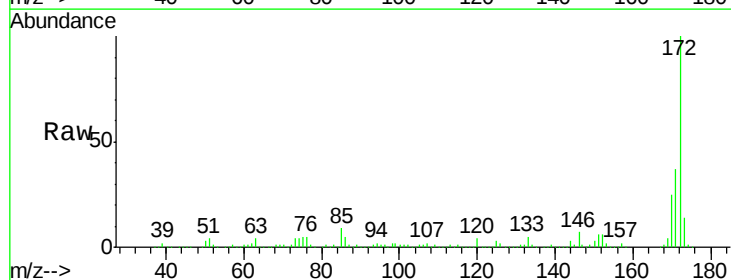


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

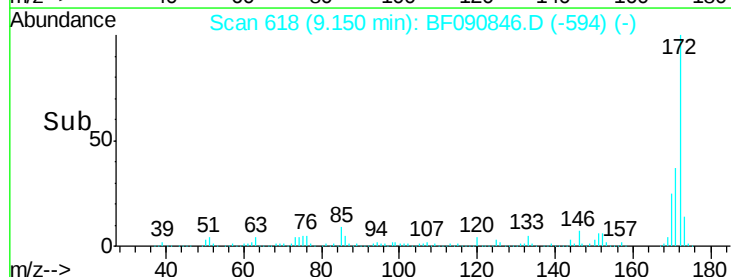
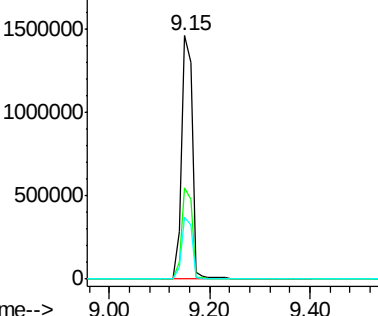


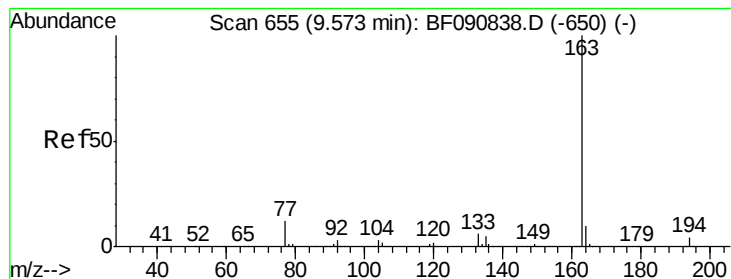
#44  
 2-Fluorobiphenyl  
 Concen: 86.97 ng  
 RT: 9.15 min Scan# 618  
 Delta R.T. -0.02 min  
 Lab File: BF090846.D  
 Acq: 26 Oct 2016 18:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 26.1  | 39.1  |
| 170     | 25.2  | 17.4  | 26.2  |



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: 4.56 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.02 min

Lab File: BF090846.D

Acq: 26 Oct 2016 18:07

Instrument :

BNA\_F

ClientSampleId :

MW-106D

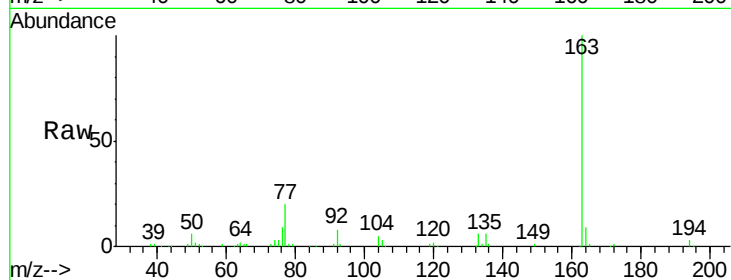
Tot Ion:163 Resp: 134476

Ion Ratio Lower Upper

163 100

194 3.3 4.4 6.6#

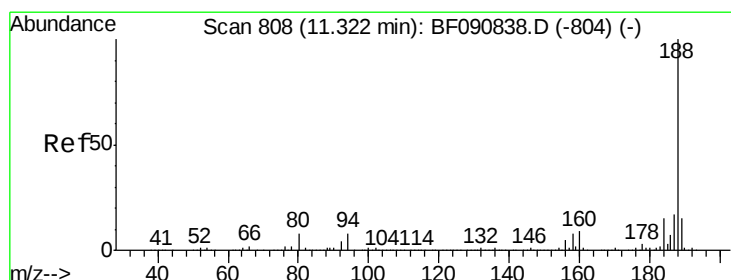
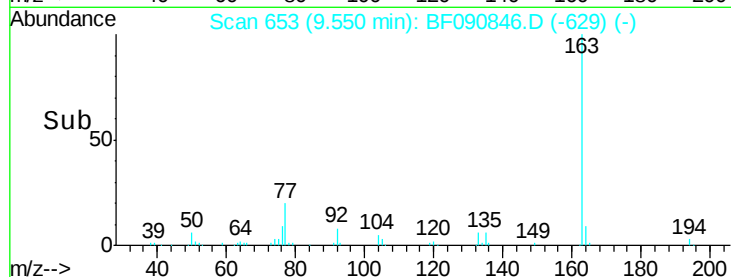
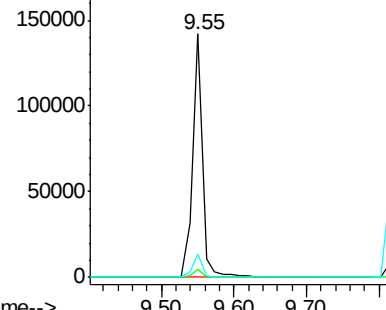
164 9.5 8.3 12.5



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: 11.31 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF090846.D

Acq: 26 Oct 2016 18:07

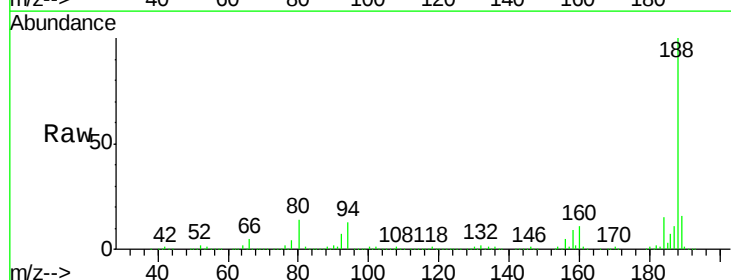
Tgt Ion:188 Resp: 741222

Ion Ratio Lower Upper

188 100

94 13.1 11.1 16.7

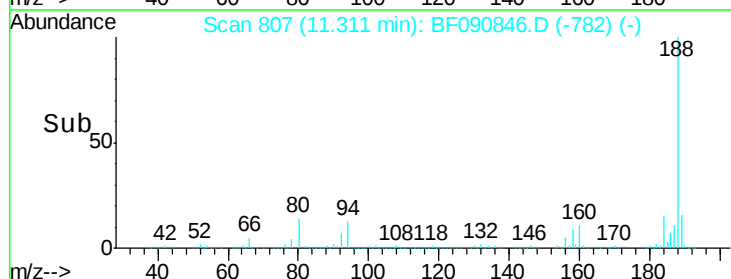
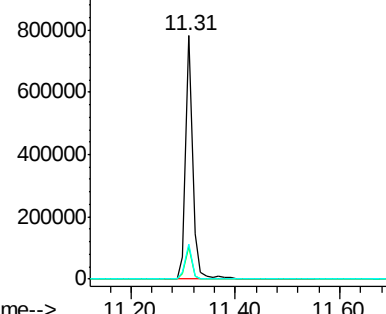
80 14.3 11.0 16.4

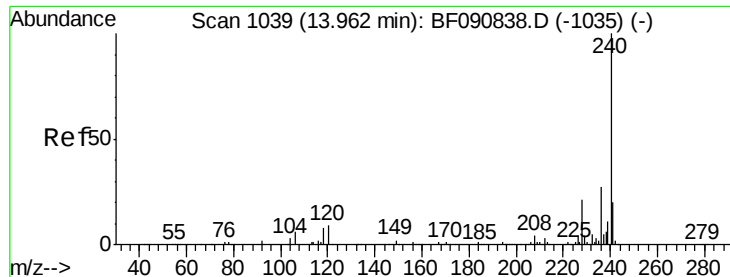


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF090846.D

Acq: 26 Oct 2016 18:07

Instrument :

BNA\_F

ClientSampleId :

MW-106D

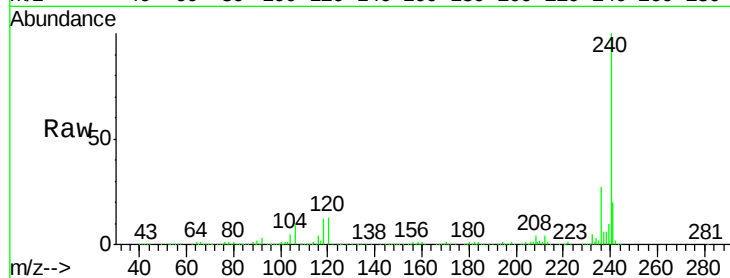
Tot Ion:240 Resp: 654338

Ion Ratio Lower Upper

240 100

120 13.3 16.2 24.2#

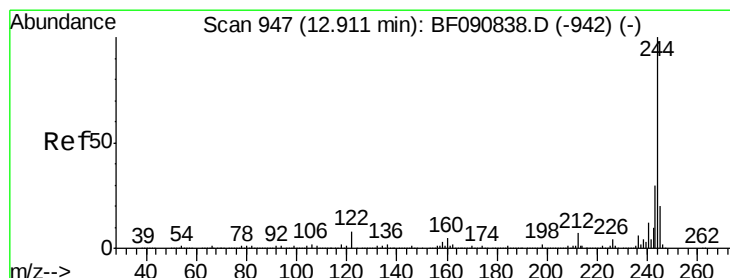
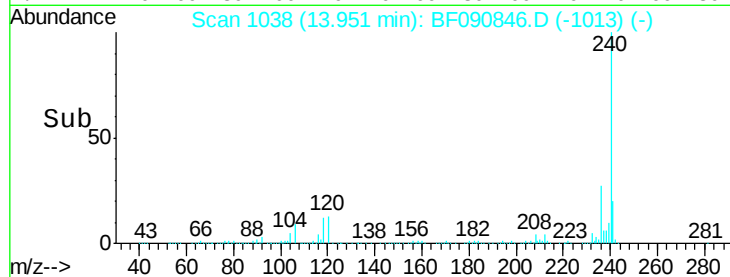
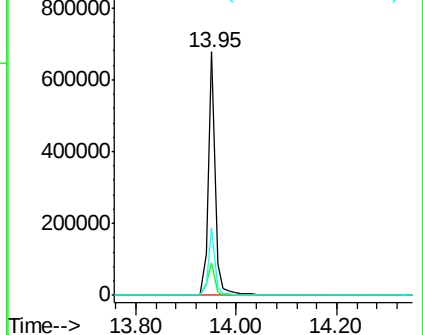
236 27.3 18.4 27.6



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: 92.36 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF090846.D

Acq: 26 Oct 2016 18:07

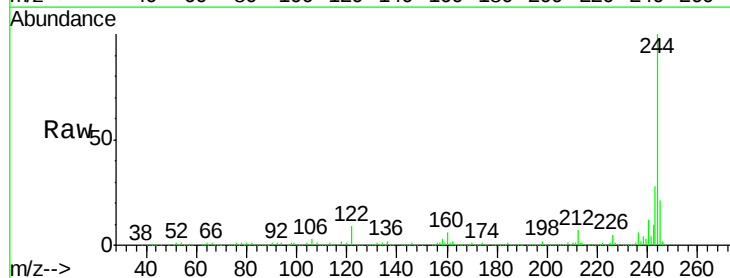
Tgt Ion:244 Resp: 2398831

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

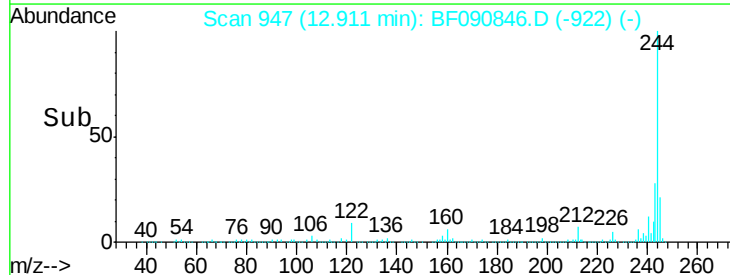
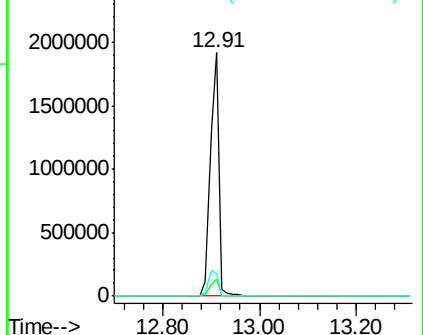
122 8.9 17.4 26.2#

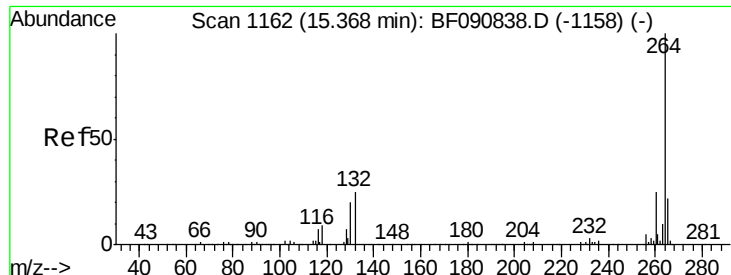


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

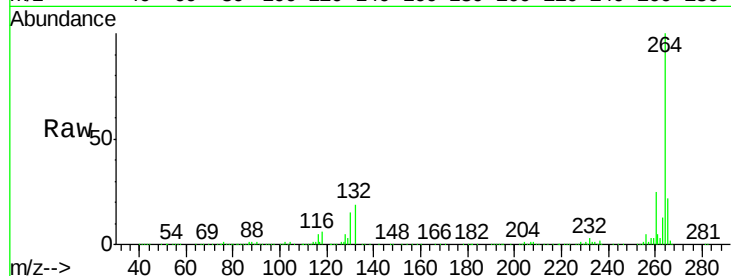




#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 15.37 min Scan# 1162  
Delta R.T. -0.01 min  
Lab File: BF090846.D  
Acq: 26 Oct 2016 18:07

Instrument :  
BNA\_F  
ClientSampleId :  
MW-106D

Tot Ion:264 Resp: 527039  
Ion Ratio Lower Upper  
264 100  
260 25.5 16.7 25.1#  
265 22.1 17.2 25.8



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

