

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040616\  
 Data File : BF086090.D  
 Acq On : 6 Apr 2016 11:20  
 Operator : UM/SJ  
 Sample : H1976-05  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-10

Quant Time: Apr 07 01:22:48 2016  
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

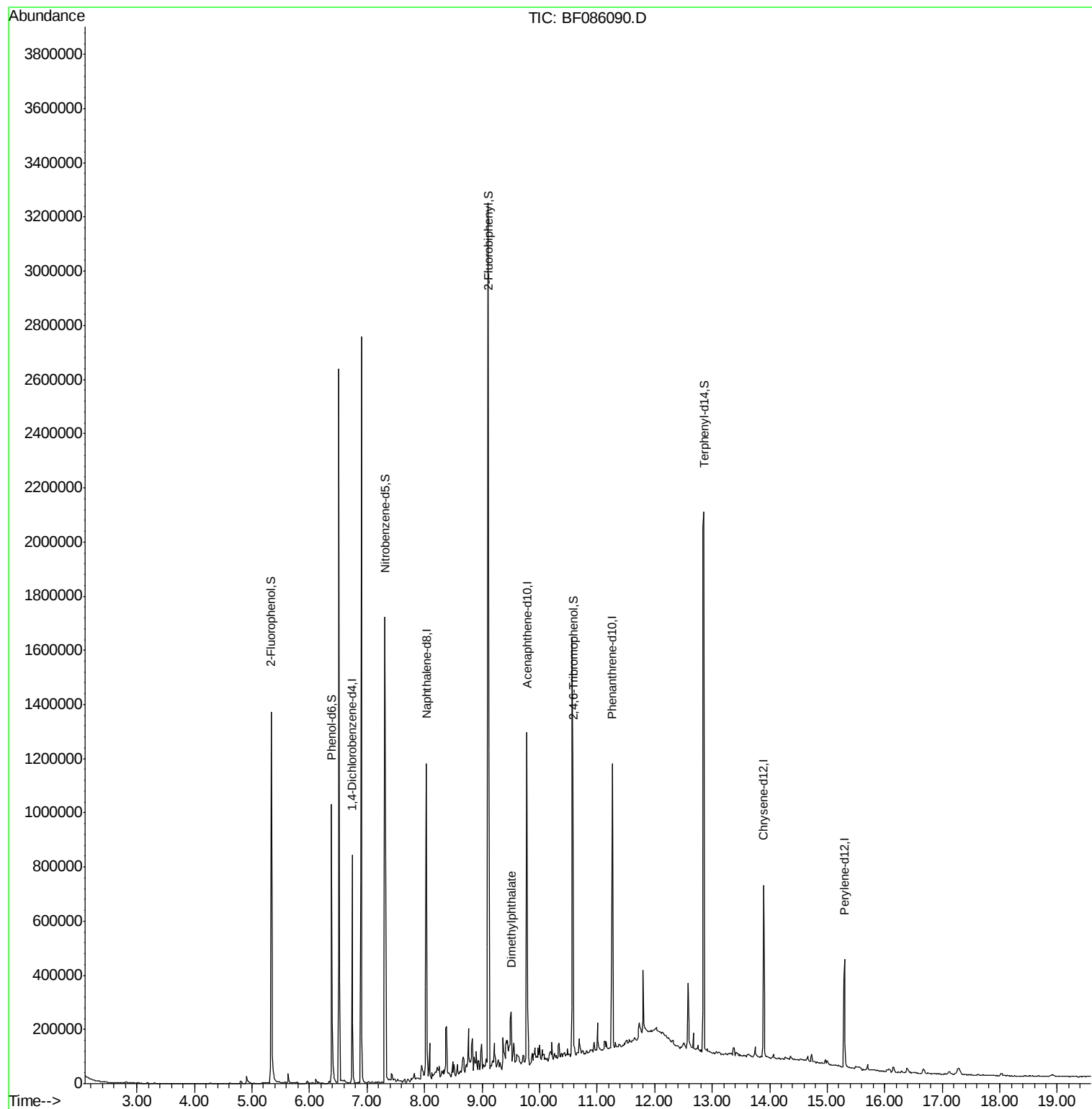
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)      |
|-----------------------------|-------|------|----------|--------|-------|---------------|
| 1) 1,4-Dichlorobenzene-d4   | 6.74  | 152  | 125848   | 20.00  | ng    | -0.03         |
| 21) Naphthalene-d8          | 8.03  | 136  | 512384   | 20.00  | ng    | -0.03         |
| 38) Acenaphthene-d10        | 9.78  | 164  | 224323   | 20.00  | ng    | -0.03         |
| 63) Phenanthrene-d10        | 11.26 | 188  | 393254   | 20.00  | ng    | -0.03         |
| 75) Chrysene-d12            | 13.89 | 240  | 220857   | 20.00  | ng    | -0.03         |
| 86) Perylene-d12            | 15.30 | 264  | 200489   | 20.00  | ng    | -0.03         |
| System Monitoring Compounds |       |      |          |        |       |               |
| 5) 2-Fluorophenol           | 5.33  | 112  | 457155   | 62.09  | ng    | -0.03         |
| 7) Phenol-d6                | 6.38  | 99   | 379419   | 40.57  | ng    | -0.03         |
| 23) Nitrobenzene-d5         | 7.31  | 82   | 712248   | 81.98  | ng    | -0.03         |
| 41) 2,4,6-Tribromophenol    | 10.58 | 330  | 291422   | 138.41 | ng    | -0.02         |
| 44) 2-Fluorobiphenyl        | 9.10  | 172  | 1148964  | 85.16  | ng    | -0.03         |
| 78) Terphenyl-d14           | 12.85 | 244  | 972107   | 103.46 | ng    | -0.02         |
| Target Compounds            |       |      |          |        |       |               |
| 49) Dimethylphthalate       | 9.50  | 163  | 53794    | 3.24   | ng    | Qvalue<br>100 |

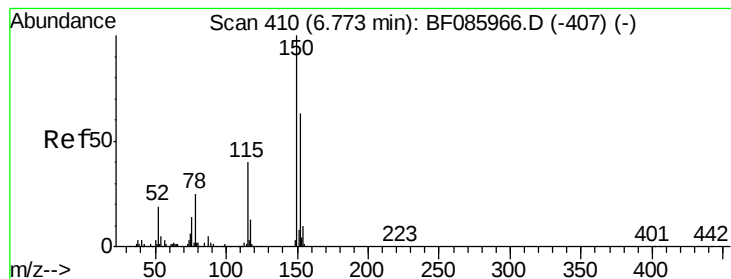
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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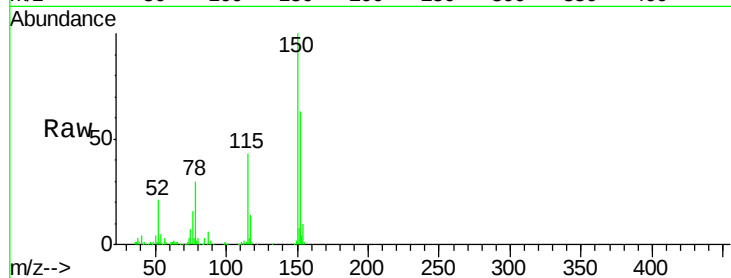




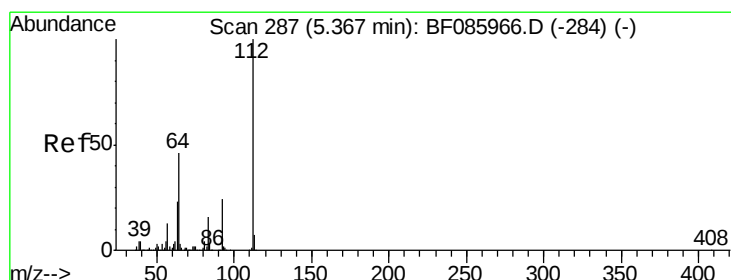
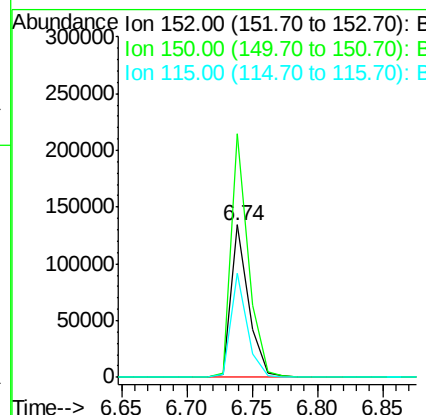
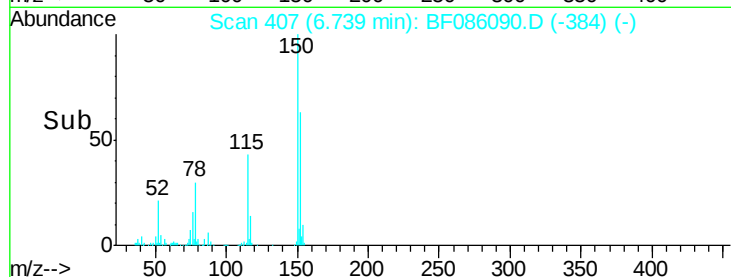
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.74 min Scan# 407  
 Delta R.T. -0.03 min  
 Lab File: BF086090.D  
 Acq: 6 Apr 2016 11:20

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-10

Tot Ion:152 Resp: 125848  
 Ion Ratio Lower Upper  
 152 100  
 150 159.8 124.2 186.2  
 115 68.7 47.0 70.6

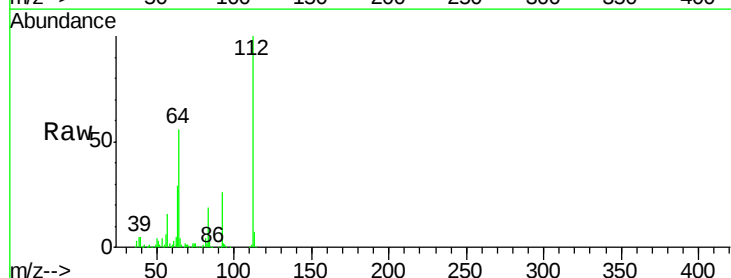


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

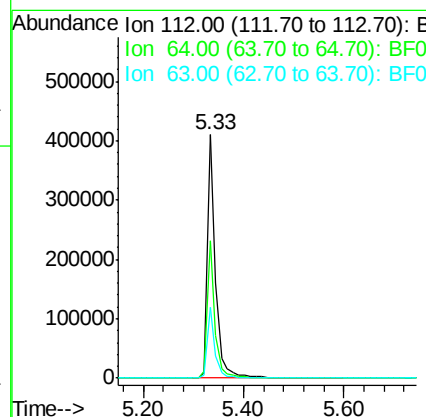
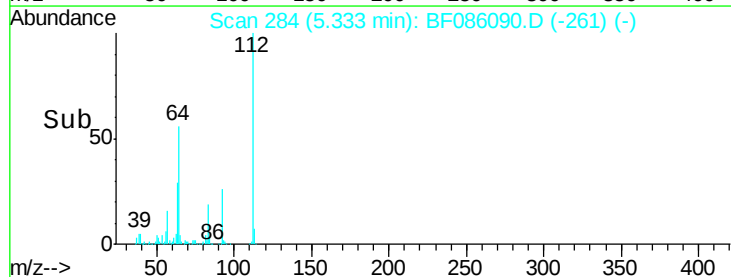


#5  
 2-Fluorophenol  
 Concen: 62.09 ng  
 RT: 5.33 min Scan# 284  
 Delta R.T. -0.03 min  
 Lab File: BF086090.D  
 Acq: 6 Apr 2016 11:20

Tgt Ion:112 Resp: 457155  
 Ion Ratio Lower Upper  
 112 100  
 64 56.4 39.9 59.9  
 63 28.9 20.2 30.2



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: 40.57 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086090.D

Acq: 6 Apr 2016 11:20

Instrument :

BNA\_F

ClientSampled :

MW-10

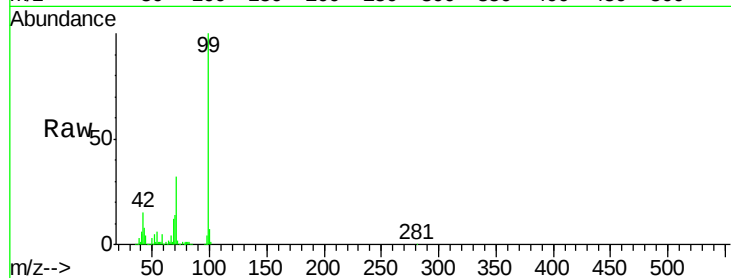
Tot Ion: 99 Resp: 379419

Ion Ratio Lower Upper

99 100

42 15.0 11.1 16.7

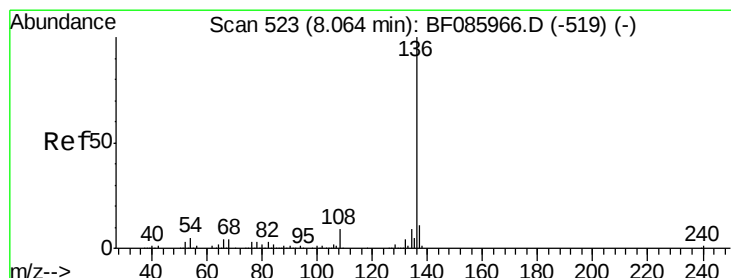
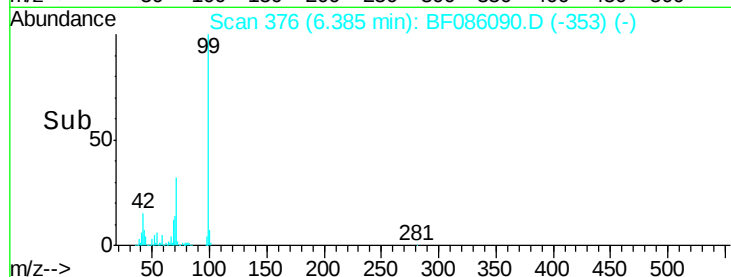
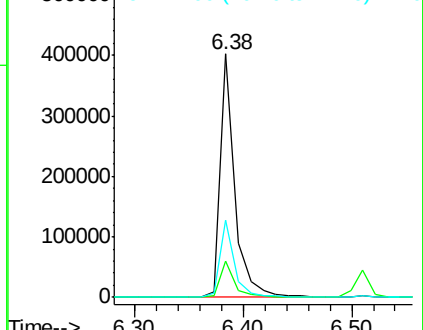
71 31.8 24.9 37.3



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: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086090.D

Acq: 6 Apr 2016 11:20

Tgt Ion: 136 Resp: 512384

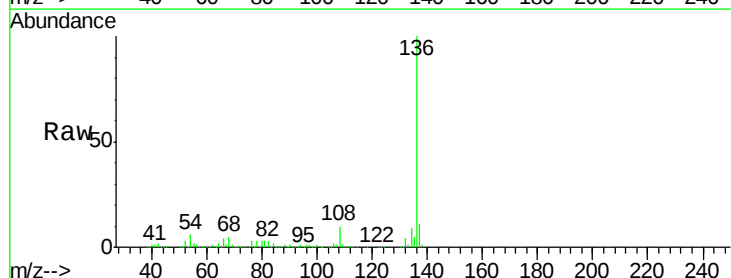
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 5.7 7.4 11.0#

68 5.4 5.8 8.8#

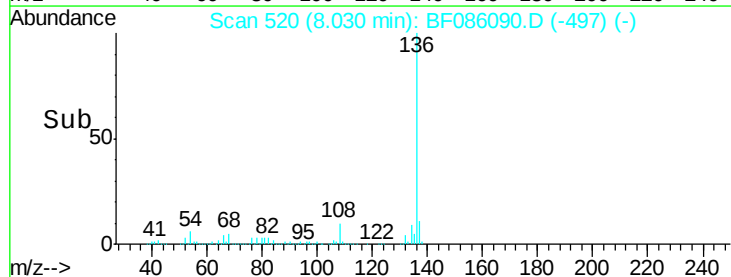
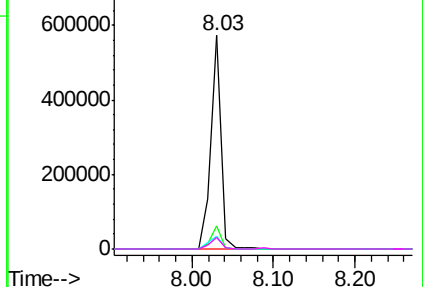


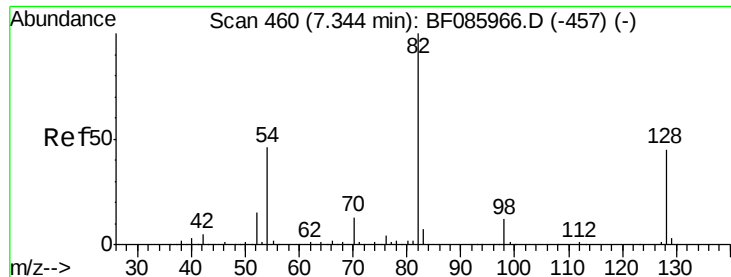
Abundance Ion 136.00 (135.70 to 136.70): E

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

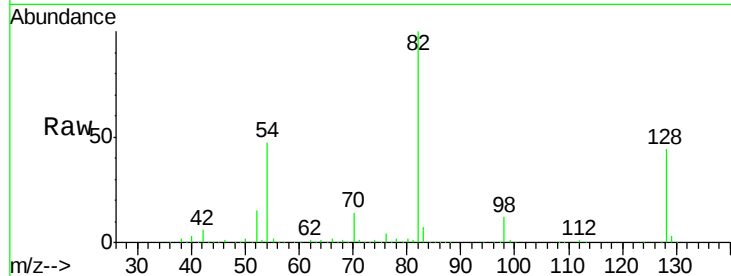




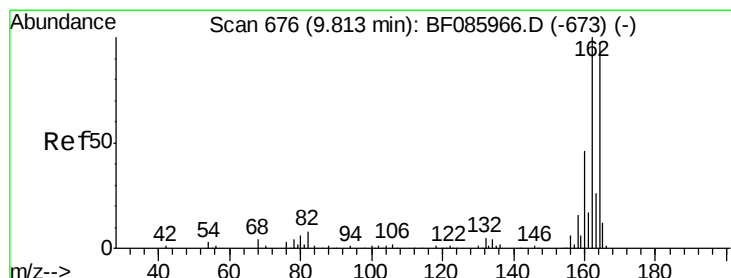
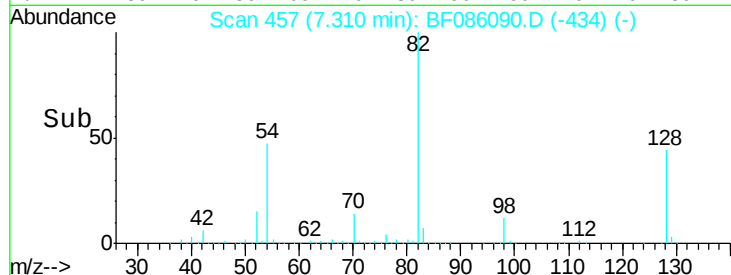
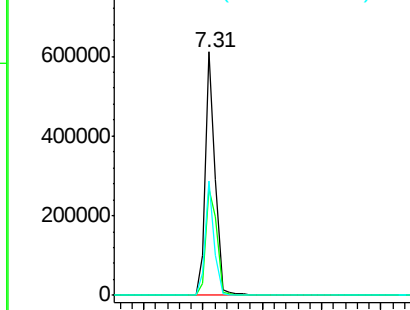
#23  
Nitrobenzene-d5  
Concen: 81.98 ng  
RT: 7.31 min Scan# 457  
Delta R.T. -0.03 min  
Lab File: BF086090.D  
Acq: 6 Apr 2016 11:20

Instrument :  
BNA\_F  
ClientSampleId :  
MW-10

Tot Ion: 82 Resp: 712248  
Ion Ratio Lower Upper  
82 100  
128 43.7 41.8 62.8  
54 46.9 33.4 50.0

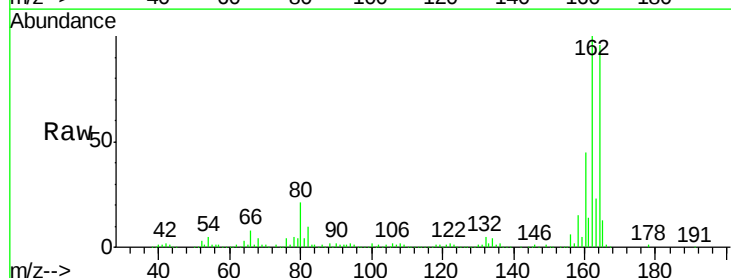


Abundance Ion 82.00 (81.70 to 82.70): BF0  
Ion 128.00 (127.70 to 128.70): E  
Ion 54.00 (53.70 to 54.70): BF0

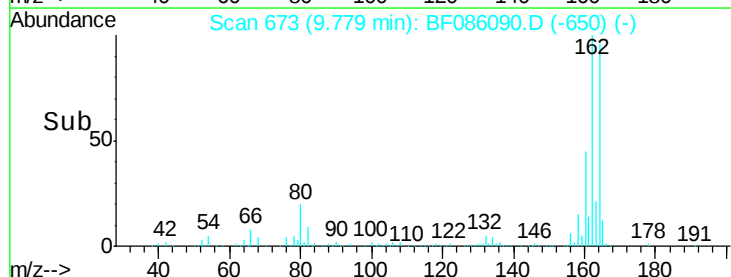
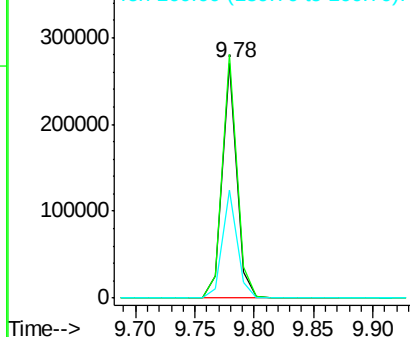


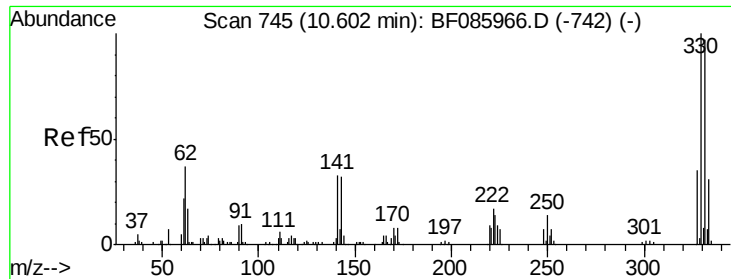
#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.78 min Scan# 673  
Delta R.T. -0.03 min  
Lab File: BF086090.D  
Acq: 6 Apr 2016 11:20

Tgt Ion:164 Resp: 224323  
Ion Ratio Lower Upper  
164 100  
162 103.7 82.1 123.1  
160 46.2 37.4 56.2



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

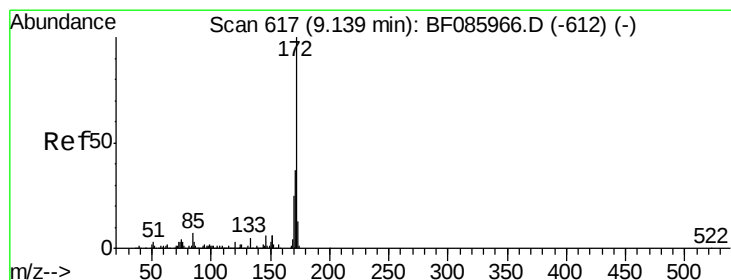
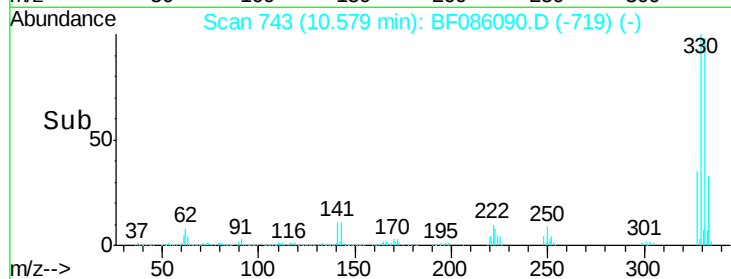
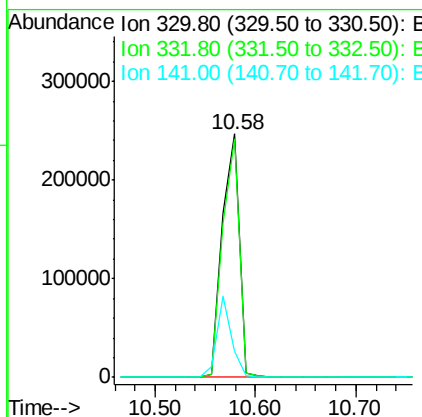
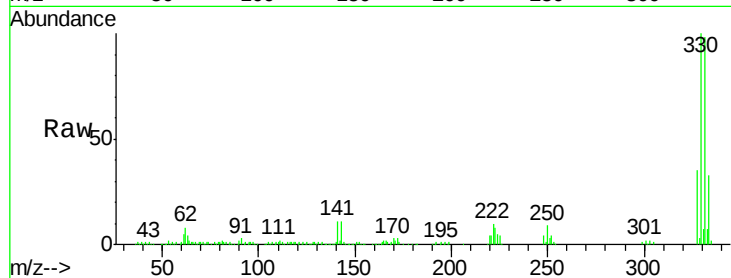




#41  
 2,4,6-Tribromophenol  
 Concen: 138.41 ng  
 RT: 10.58 min Scan# 743  
 Delta R.T. -0.02 min  
 Lab File: BF086090.D  
 Acq: 6 Apr 2016 11:20

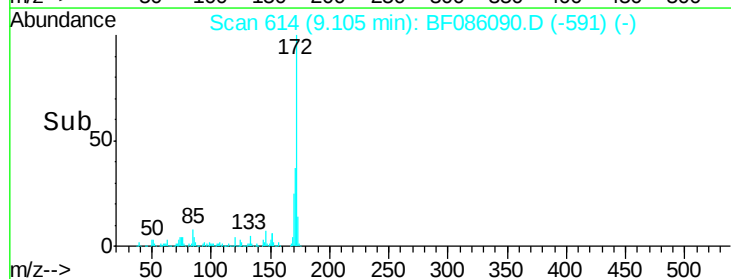
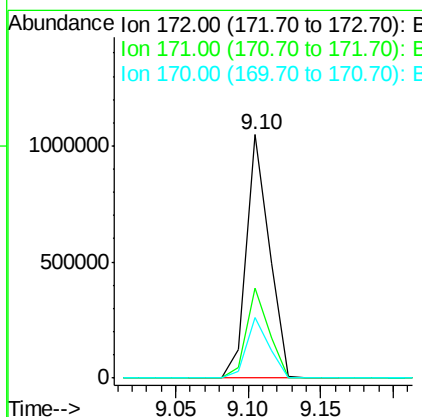
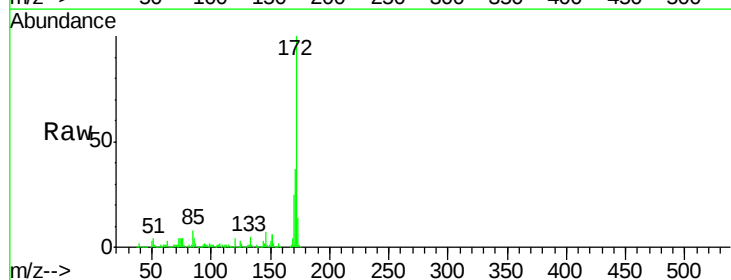
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-10

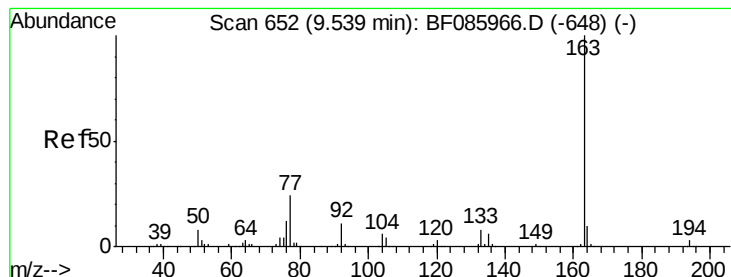
Tot Ion:330 Resp: 291422  
 Ion Ratio Lower Upper  
 330 100  
 332 96.0 78.2 117.2  
 141 28.6 31.5 47.3#



#44  
 2-Fluorobiphenyl  
 Concen: 85.16 ng  
 RT: 9.10 min Scan# 614  
 Delta R.T. -0.03 min  
 Lab File: BF086090.D  
 Acq: 6 Apr 2016 11:20

Tgt Ion:172 Resp: 1148964  
 Ion Ratio Lower Upper  
 172 100  
 171 36.8 29.4 44.2  
 170 25.0 19.8 29.6





#49

Dimethylphthalate

Concen: 3.24 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086090.D

Acq: 6 Apr 2016 11:20

Instrument :

BNA\_F

ClientSampleId :

MW-10

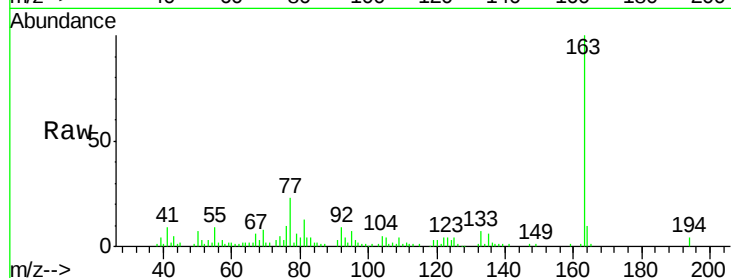
Tot Ion:163 Resp: 53794

Ion Ratio Lower Upper

163 100

194 3.5 2.9 4.3

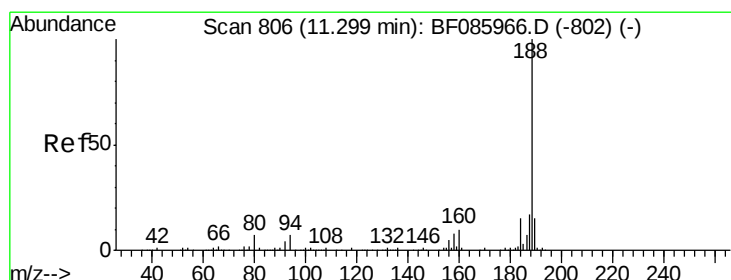
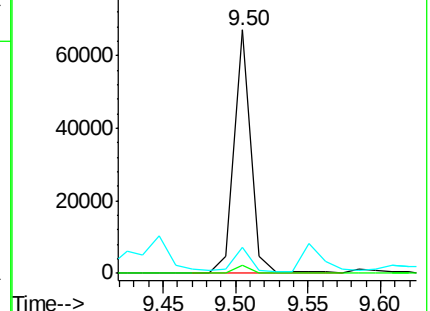
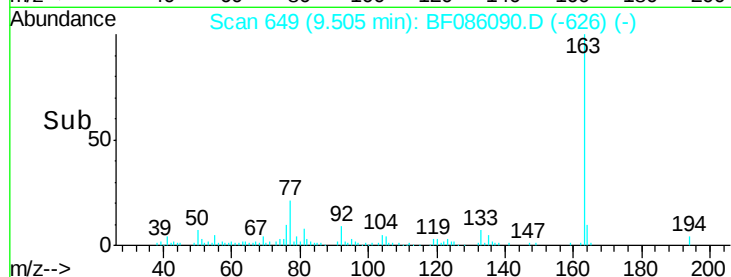
164 10.4 8.3 12.5



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: 11.26 min Scan# 803

Delta R.T. -0.03 min

Lab File: BF086090.D

Acq: 6 Apr 2016 11:20

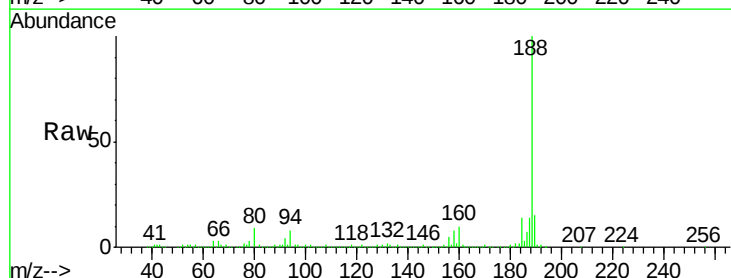
Tgt Ion:188 Resp: 393254

Ion Ratio Lower Upper

188 100

94 8.2 5.4 8.0#

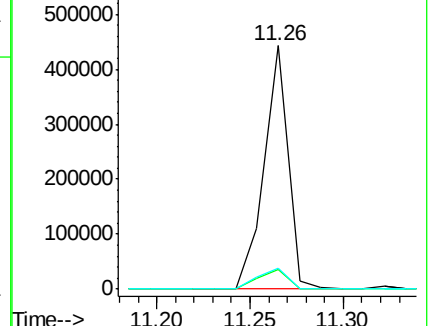
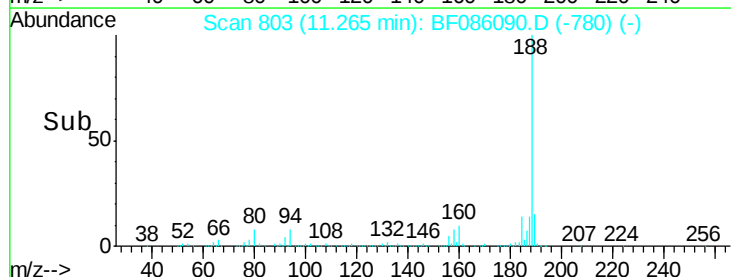
80 8.5 5.5 8.3#

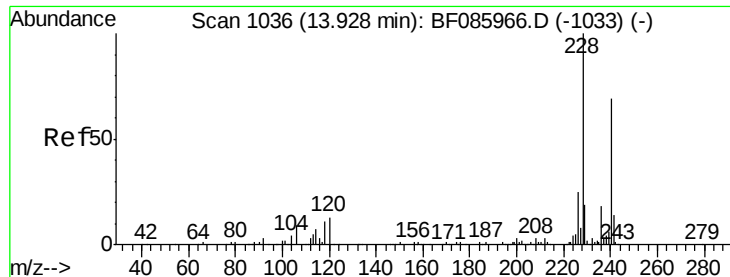


Abundance Ion 188.00 (187.70 to 188.70): E

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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086090.D

Acq: 6 Apr 2016 11:20

Instrument :

BNA\_F

ClientSampleId :

MW-10

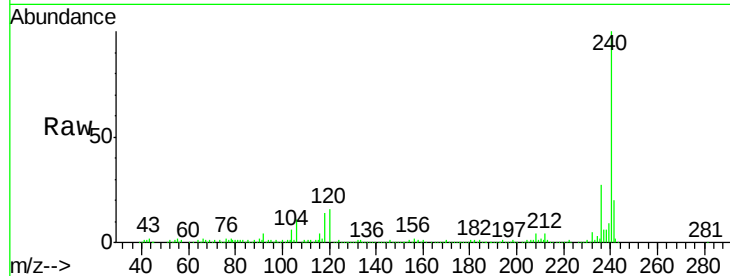
Tot Ion:240 Resp: 220857

Ion Ratio Lower Upper

240 100

120 15.9 13.8 20.8

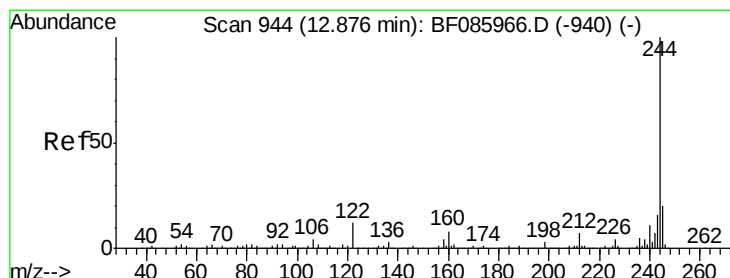
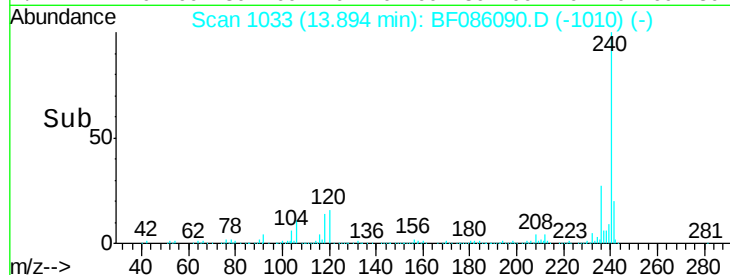
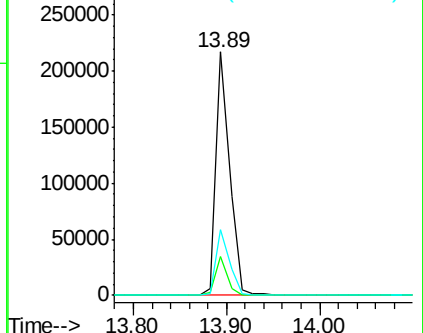
236 27.0 20.6 30.8



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: 103.46 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.02 min

Lab File: BF086090.D

Acq: 6 Apr 2016 11:20

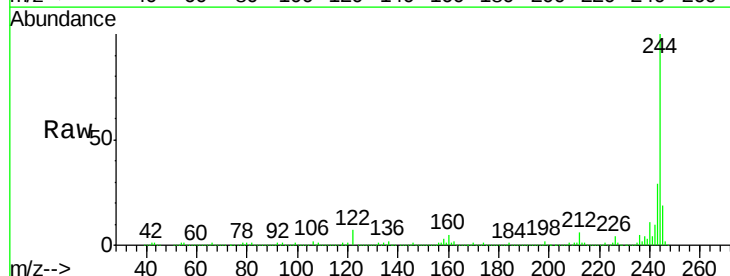
Tgt Ion:244 Resp: 972107

Ion Ratio Lower Upper

244 100

212 6.5 6.1 9.1

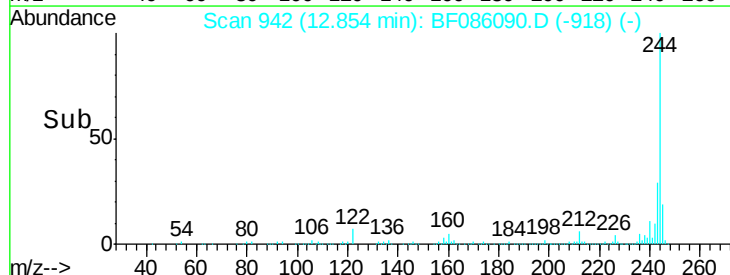
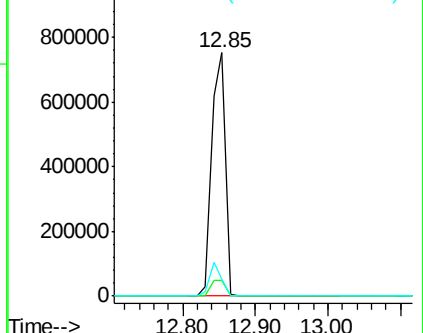
122 6.9 10.2 15.4#

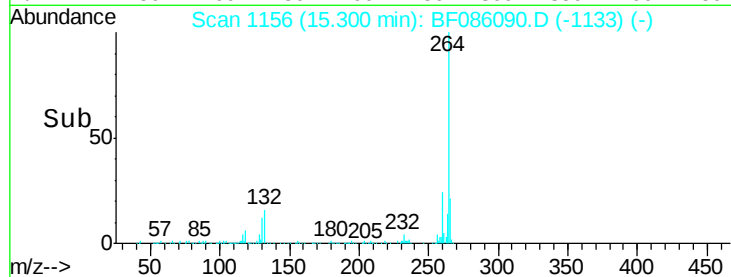
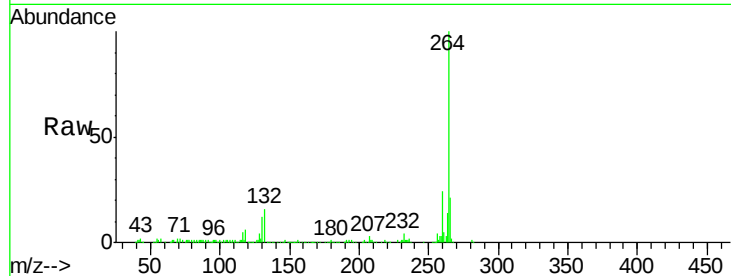
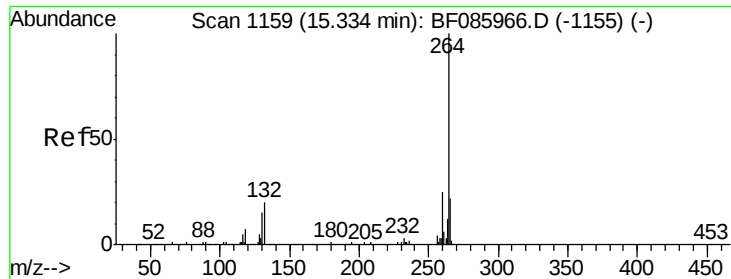


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.30 min Scan# 1156  
Delta R.T. -0.03 min  
Lab File: BF086090.D  
Acq: 6 Apr 2016 11:20

Instrument :  
BNA\_F  
ClientSampleId :  
MW-10

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.9  | 19.4  | 29.2  |
| 265     | 20.6  | 17.2  | 25.8  |

