

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051416\  
 Data File : BF087061.D  
 Acq On : 15 May 2016 11:07  
 Operator : UM/SJ  
 Sample : H3052-12  
 Misc :  
 ALS Vial : 80 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-08

Quant Time: May 16 04:56:17 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF050916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 13 14:55:23 2016  
 Response via : Initial Calibration

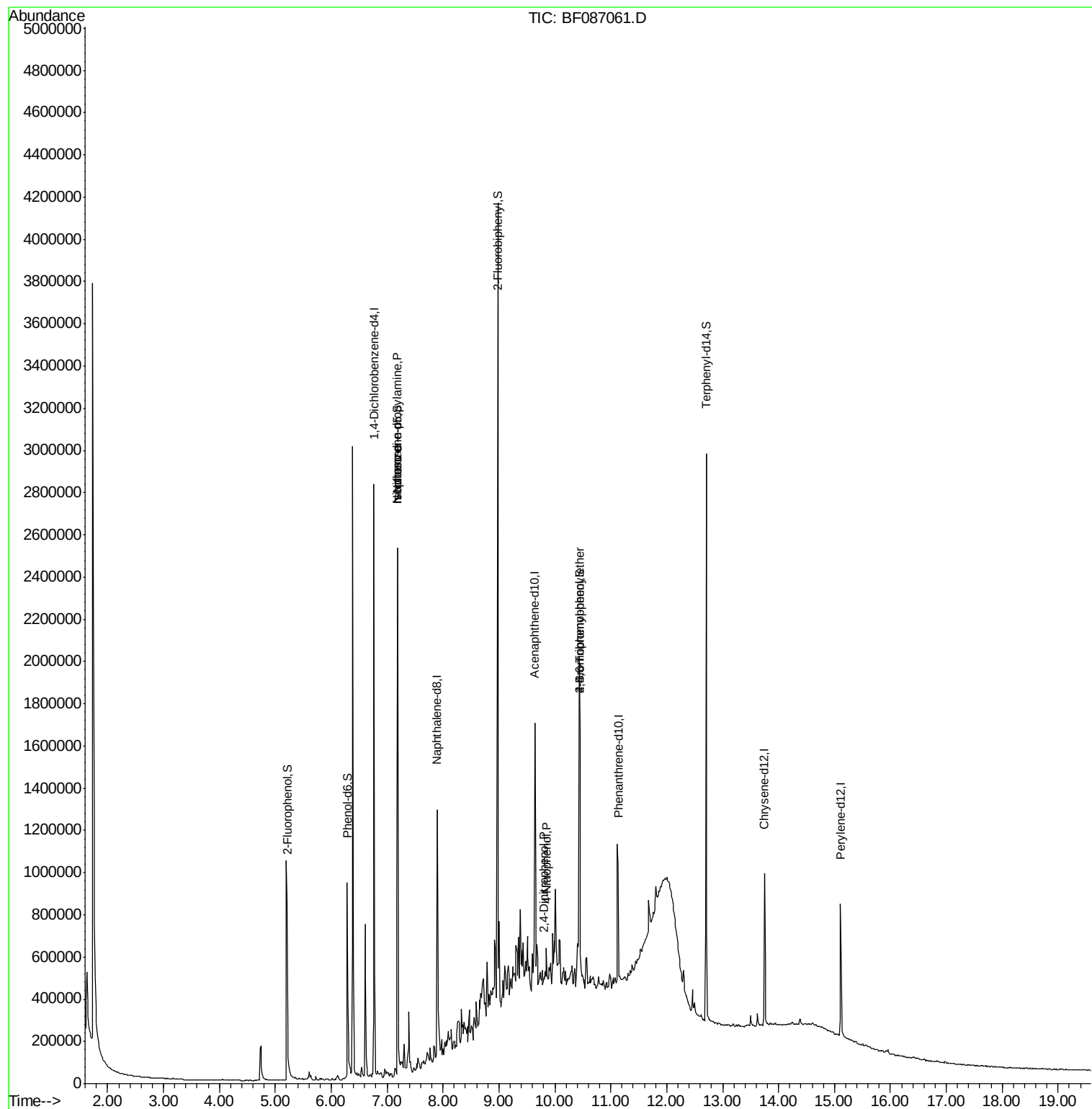
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.76  | 152  | 353947   | 20.00     | ng    | 0.07     |
| 21) Naphthalene-d8             | 7.90  | 136  | 499835   | 20.00     | ng    | -0.09    |
| 38) Acenaphthene-d10           | 9.64  | 164  | 225653   | 20.00     | ng    | -0.09    |
| 63) Phenanthrene-d10           | 11.13 | 188  | 347807   | 20.00     | ng    | -0.08    |
| 75) Chrysene-d12               | 13.75 | 240  | 273078   | 20.00     | ng    | -0.09    |
| 86) Perylene-d12               | 15.11 | 264  | 294218   | 20.00     | ng    | -0.10    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.21  | 112  | 412506   | 19.74     | ng    | -0.08    |
| 7) Phenol-d6                   | 6.28  | 99   | 373685   | 13.38     | ng    | -0.08    |
| 23) Nitrobenzene-d5            | 7.19  | 82   | 794177   | 79.78     | ng    | -0.08    |
| 41) 2,4,6-Tribromophenol       | 10.44 | 330  | 244865   | 102.50    | ng    | -0.08    |
| 44) 2-Fluorobiphenyl           | 8.98  | 172  | 1206389  | 89.85     | ng    | -0.08    |
| 78) Terphenyl-d14              | 12.71 | 244  | 763165   | 59.30     | ng    | -0.09    |
| Target Compounds               |       |      |          |           |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.19  | 70   | 113151   | 5.80      | ng    | # 74     |
| 25) Isophorone                 | 7.19  | 82   | 784253   | 42.46     | ng    | # 68     |
| 53) 2,4-Dinitrophenol          | 9.80  | 184  | 208      | 7.79      | ng    | # 1      |
| 55) 4-Nitrophenol              | 9.85  | 139  | 9559     | 8.10      | ng    | # 46     |
| 60) 4-Chlorophenyl-phenylether | 10.18 | 204  | 554      | Below Cal |       | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.44 | 248  | 14159    | 4.02      | ng    | # 1      |

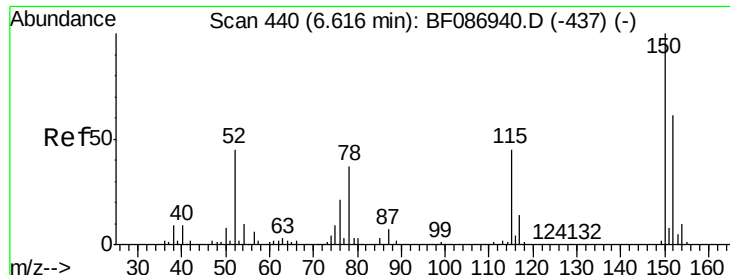
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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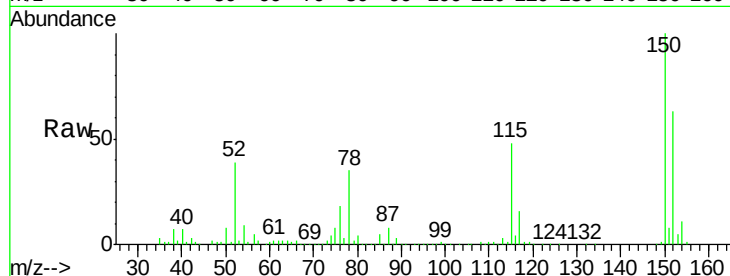


#1

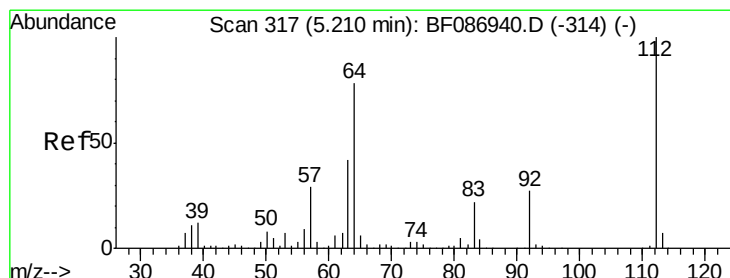
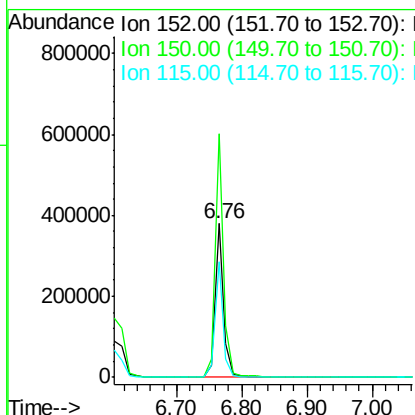
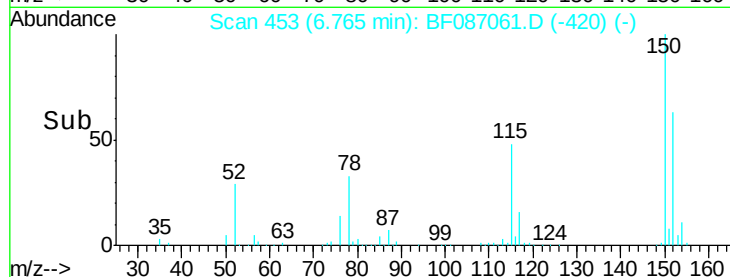
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.76 min Scan# 453  
Delta R.T. 0.07 min  
Lab File: BF087061.D  
Acq: 15 May 2016 11:07

Instrument :  
BNA\_F  
ClientSampleId :  
MW-08

Tgt Ion:152 Resp: 353947  
Ion Ratio Lower Upper  
152 100  
150 158.2 125.8 188.6  
115 75.4 51.5 77.3



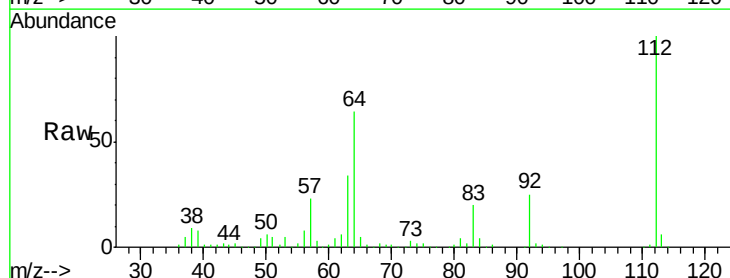
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



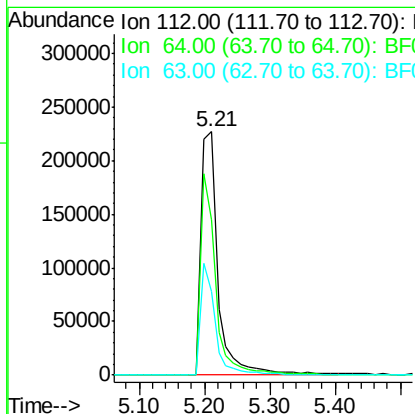
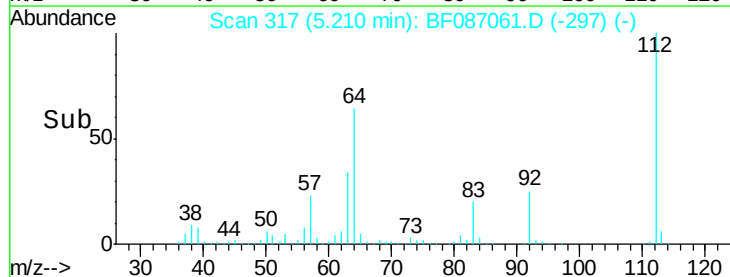
#5

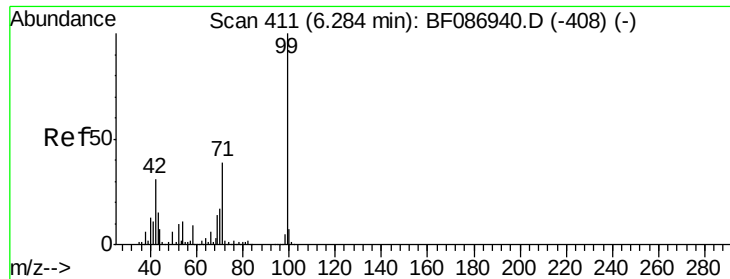
2-Fluorophenol  
Concen: 19.74 ng  
RT: 5.21 min Scan# 317  
Delta R.T. -0.08 min  
Lab File: BF087061.D  
Acq: 15 May 2016 11:07

Tgt Ion:112 Resp: 412506  
Ion Ratio Lower Upper  
112 100  
64 64.0 52.1 78.1  
63 34.3 25.7 38.5



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: 13.38 ng

RT: 6.28 min Scan# 411

Delta R.T. -0.08 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

Instrument :

BNA\_F

ClientSampleId :

MW-08

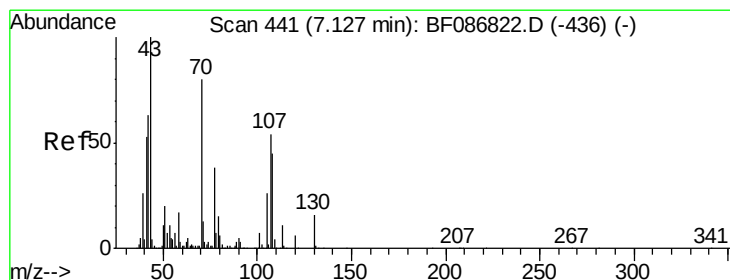
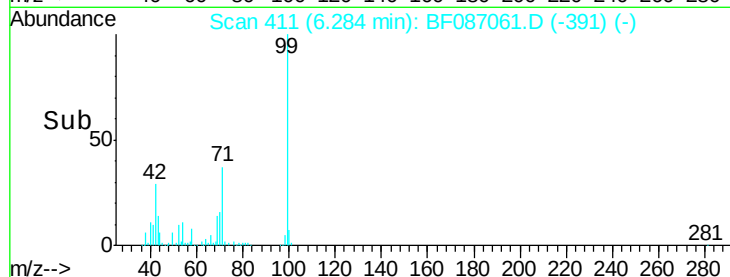
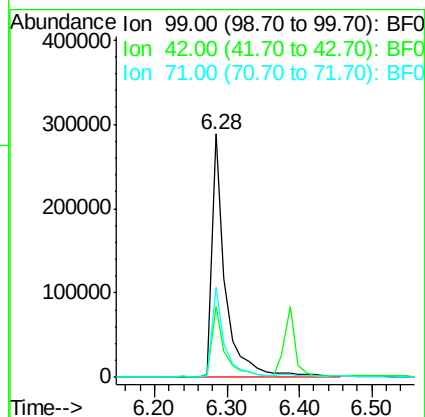
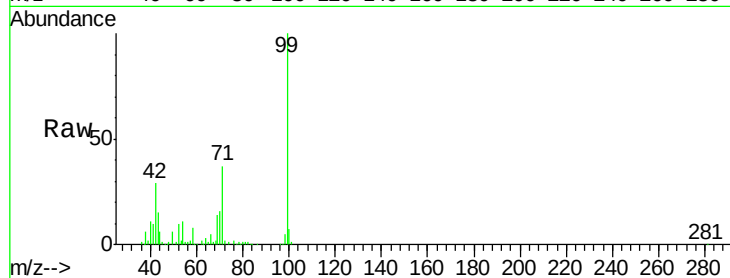
Tgt Ion: 99 Resp: 373685

Ion Ratio Lower Upper

99 100

42 28.9 13.6 20.4#

71 37.1 24.6 36.8#



#19

n-Nitroso-di-n-propylamine

Concen: 5.80 ng

RT: 7.19 min Scan# 490

Delta R.T. 0.06 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

Tgt Ion: 70 Resp: 113151

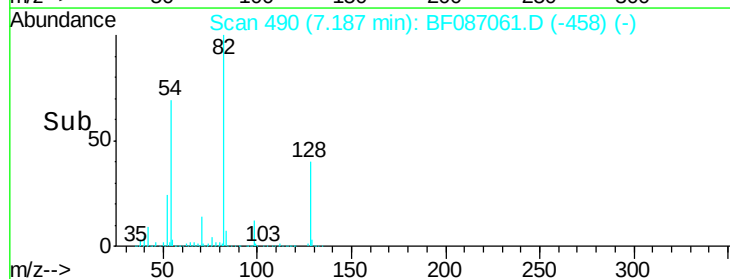
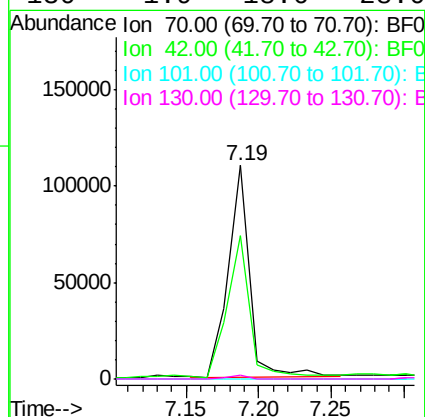
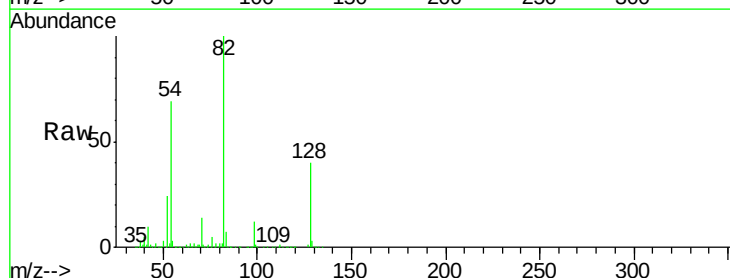
Ion Ratio Lower Upper

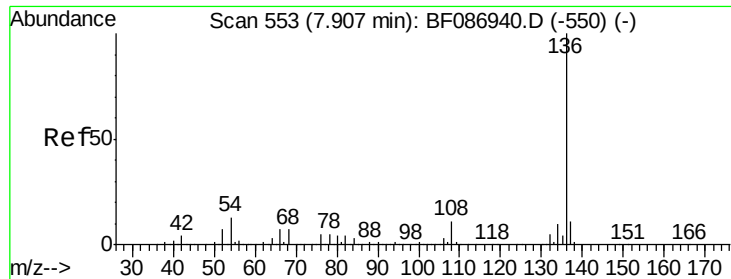
70 100

42 67.3 43.1 64.7#

101 0.0 8.1 12.1#

130 1.9 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.90 min Scan# 552

Delta R.T. -0.09 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

Instrument :

BNA\_F

ClientSampleId :

MW-08

Tgt Ion: 136 Resp: 499835

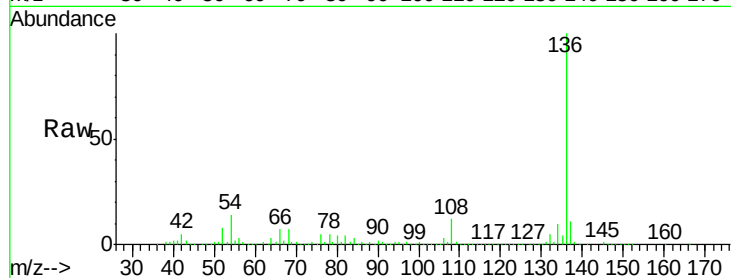
Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

54 14.2 5.0 7.4#

68 7.3 4.4 6.6#

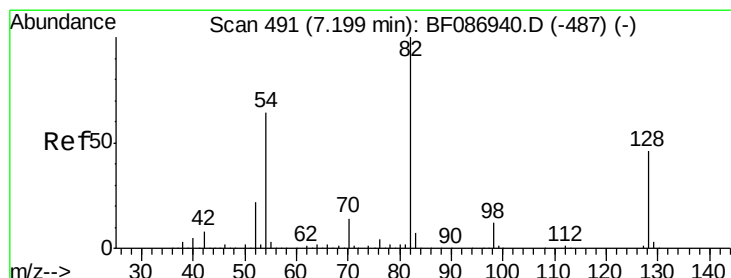
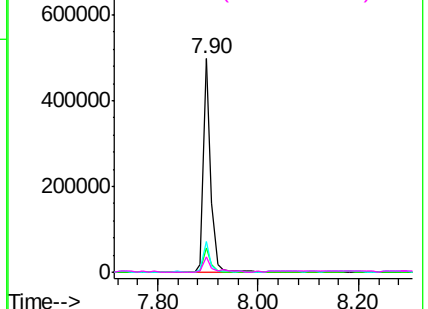
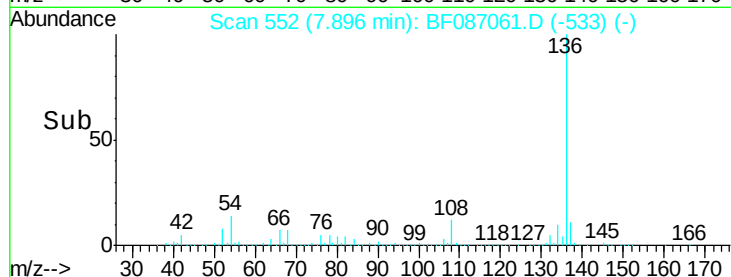


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.78 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.08 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

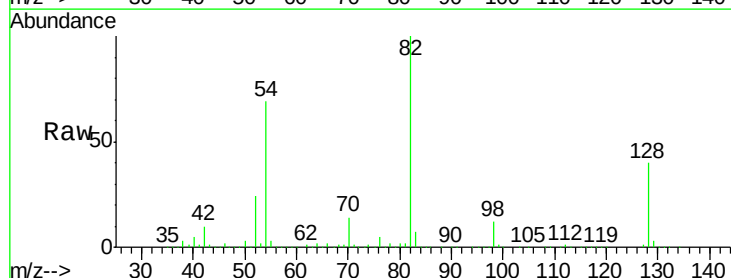
Tgt Ion: 82 Resp: 794177

Ion Ratio Lower Upper

82 100

128 40.1 40.6 61.0#

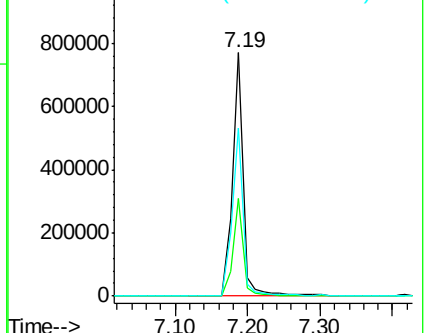
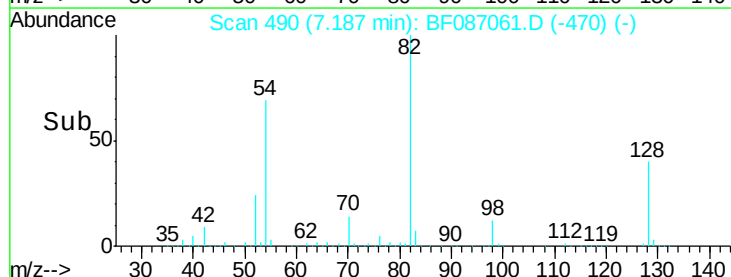
54 68.9 38.1 57.1#

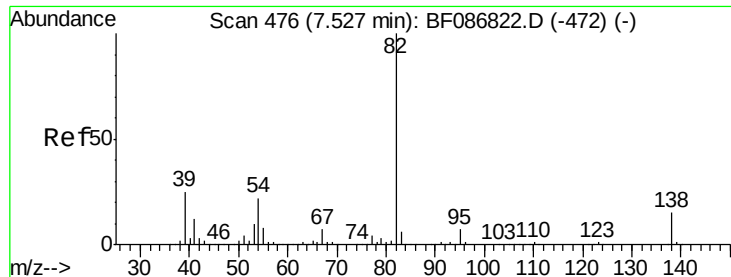


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 42.46 ng

RT: 7.19 min Scan# 490

Delta R.T. -0.34 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

Instrument :

BNA\_F

ClientSampleId :

MW-08

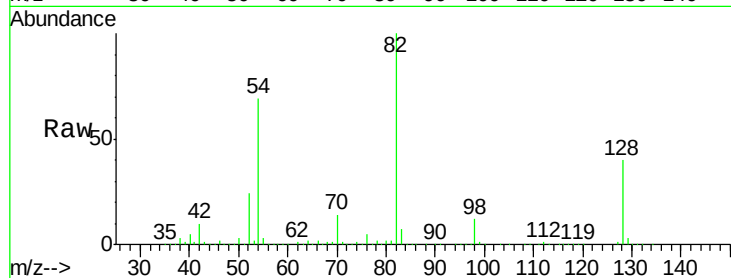
Tgt Ion: 82 Resp: 784253

Ion Ratio Lower Upper

82 100

95 0.1 5.1 7.7#

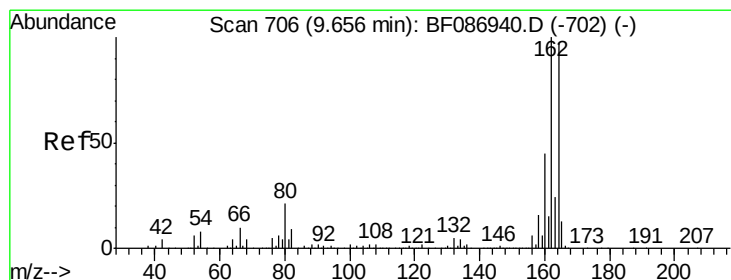
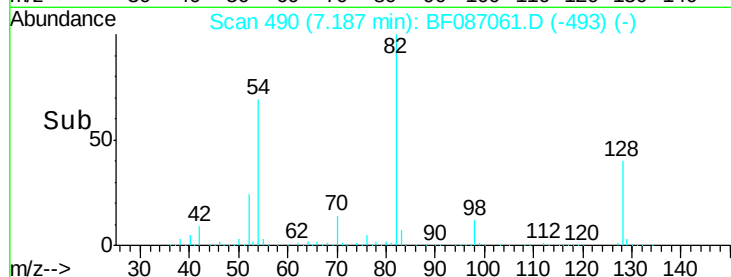
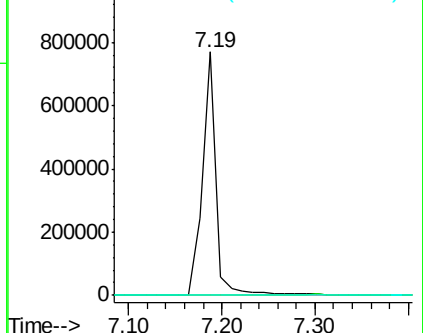
138 0.0 12.4 18.6#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.64 min Scan# 705

Delta R.T. -0.09 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

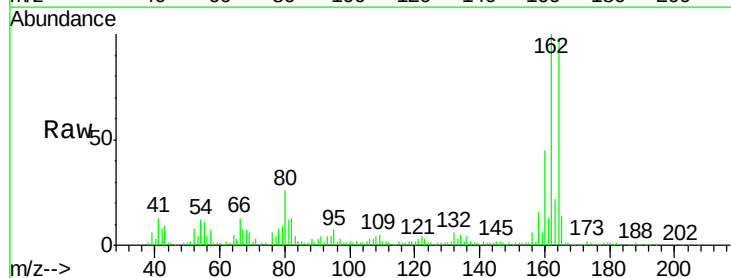
Tgt Ion: 164 Resp: 225653

Ion Ratio Lower Upper

164 100

162 102.2 82.8 124.2

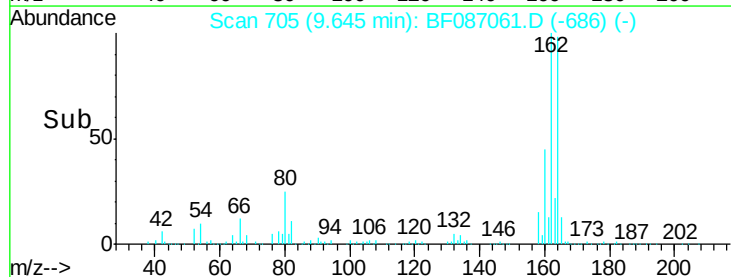
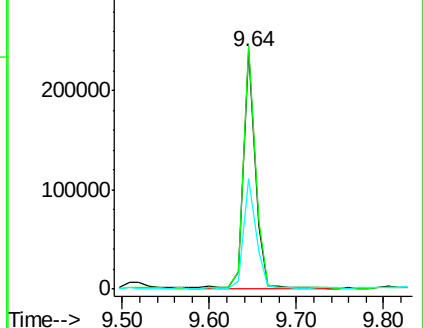
160 46.4 36.9 55.3

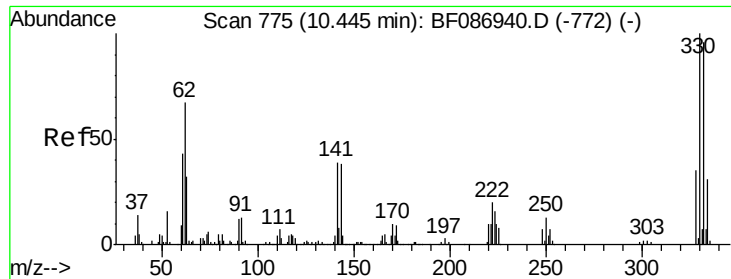


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

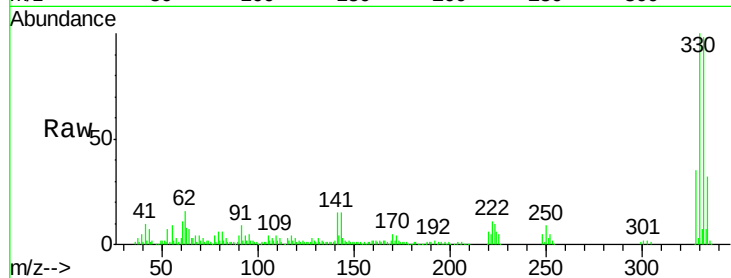




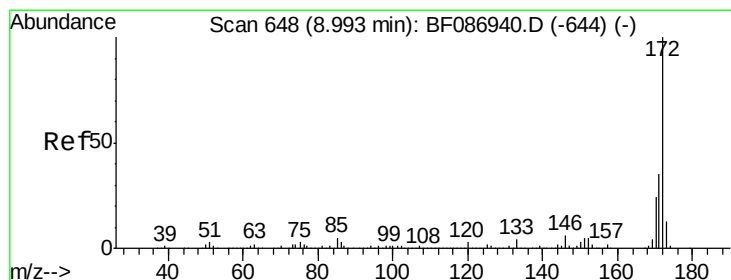
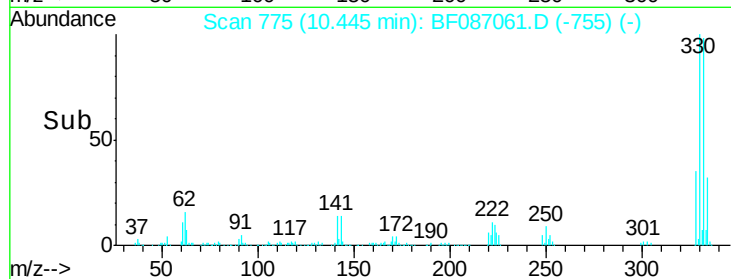
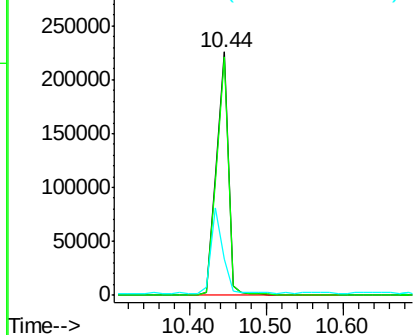
#41  
 2,4,6-Tribromophenol  
 Concen: 102.50 ng  
 RT: 10.44 min Scan# 775  
 Delta R.T. -0.08 min  
 Lab File: BF087061.D  
 Acq: 15 May 2016 11:07

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-08

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 97.3  | 79.0  | 118.4 |
| 141     | 35.0  | 31.2  | 46.8  |

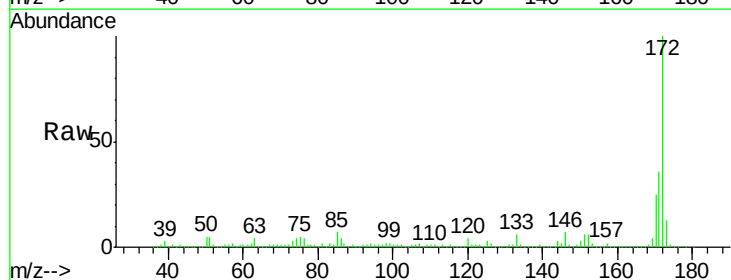


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

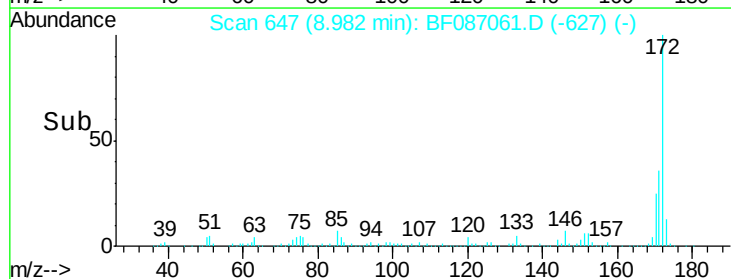
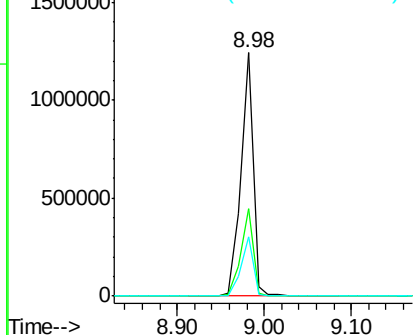


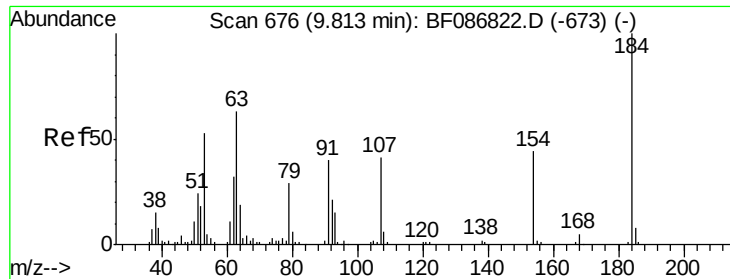
#44  
 2-Fluorobiphenyl  
 Concen: 89.85 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. -0.08 min  
 Lab File: BF087061.D  
 Acq: 15 May 2016 11:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.1  | 29.0  | 43.6  |
| 170     | 24.6  | 19.8  | 29.8  |



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

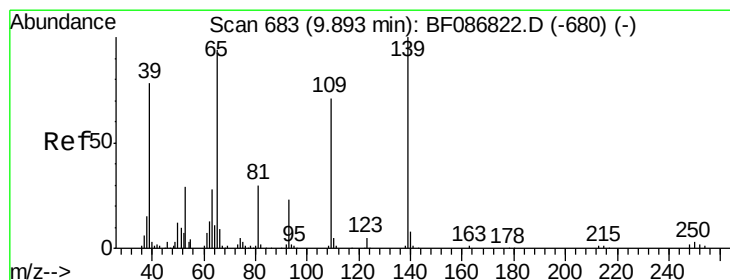
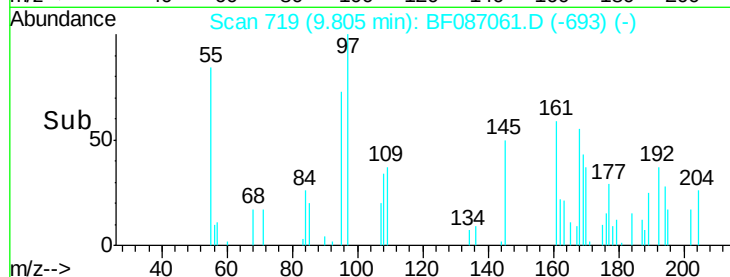
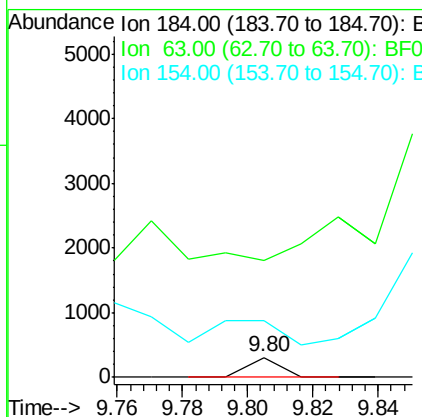
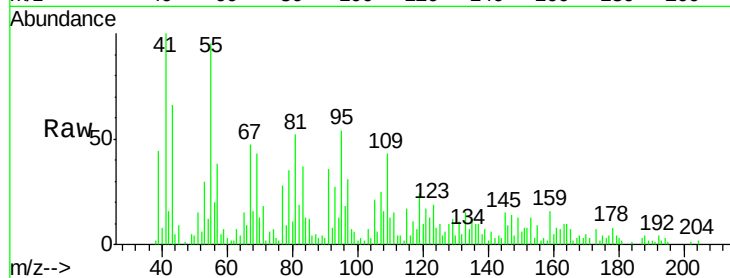




#53  
 2,4-Dinitrophenol  
 Concen: 7.79 ng  
 RT: 9.80 min Scan# 719  
 Delta R.T. -0.01 min  
 Lab File: BF087061.D  
 Acq: 15 May 2016 11:07

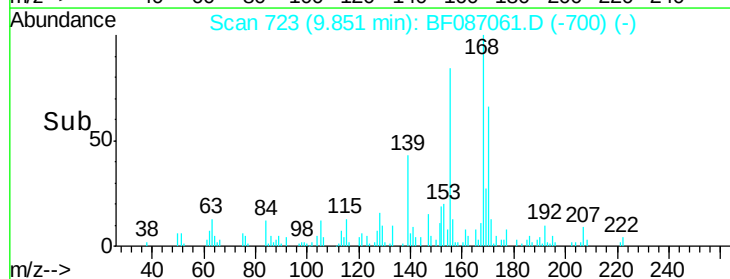
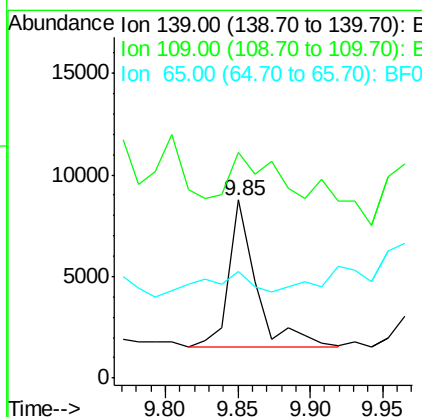
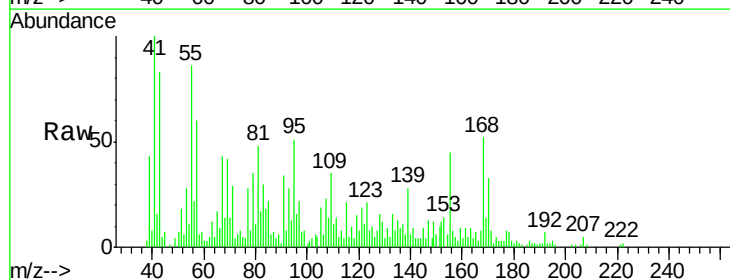
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-08

Tgt Ion:184 Resp: 208  
 Ion Ratio Lower Upper  
 184 100  
 63 597.0 55.8 83.8#  
 154 285.9 62.4 93.6#

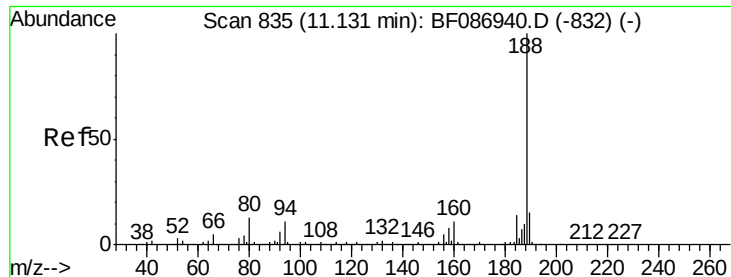


#55  
 4-Nitrophenol  
 Concen: 8.10 ng  
 RT: 9.85 min Scan# 723  
 Delta R.T. -0.04 min  
 Lab File: BF087061.D  
 Acq: 15 May 2016 11:07

Tgt Ion:139 Resp: 9559  
 Ion Ratio Lower Upper  
 139 100  
 109 126.8 36.9 76.9#  
 65 59.9 64.0 104.0#



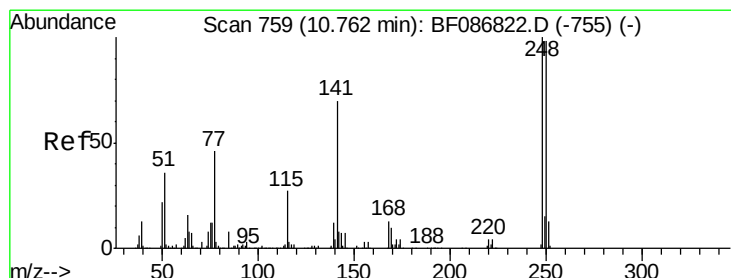
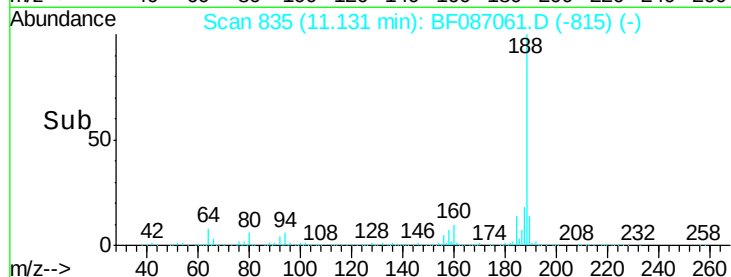
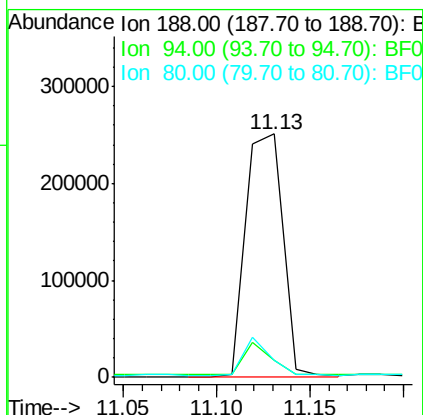
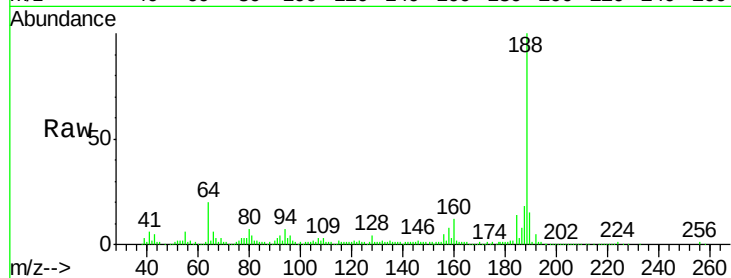




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.13 min Scan# 835  
Delta R.T. -0.08 min  
Lab File: BF087061.D  
Acq: 15 May 2016 11:07

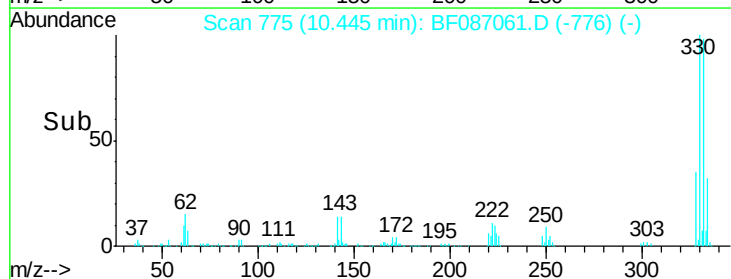
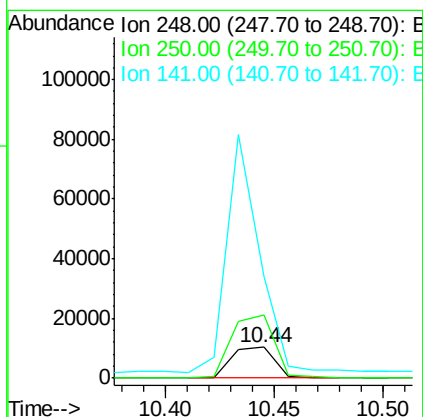
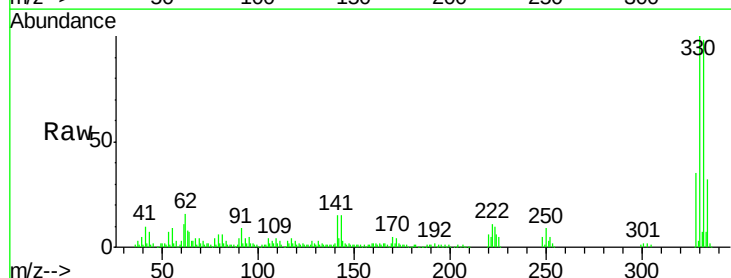
Instrument :  
BNA\_F  
ClientSampleId :  
MW-08

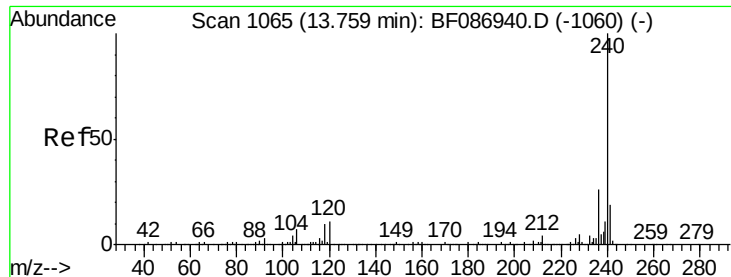
Tgt Ion:188 Resp: 347807  
Ion Ratio Lower Upper  
188 100  
94 7.2 6.8 10.2  
80 6.9 7.1 10.7#



#66  
4-Bromophenyl-phenylether  
Concen: 4.02 ng  
RT: 10.44 min Scan# 775  
Delta R.T. -0.32 min  
Lab File: BF087061.D  
Acq: 15 May 2016 11:07

Tgt Ion:248 Resp: 14159  
Ion Ratio Lower Upper  
248 100  
250 202.2 78.6 117.8#  
141 326.3 76.0 114.0#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.75 min Scan# 1064

Delta R.T. -0.09 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

Instrument :

BNA\_F

ClientSampleId :

MW-08

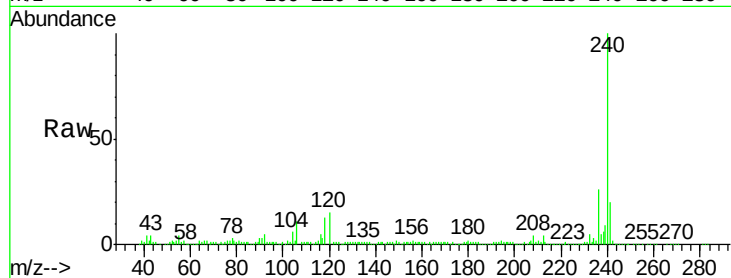
Tgt Ion:240 Resp: 273078

Ion Ratio Lower Upper

240 100

120 15.4 11.2 16.8

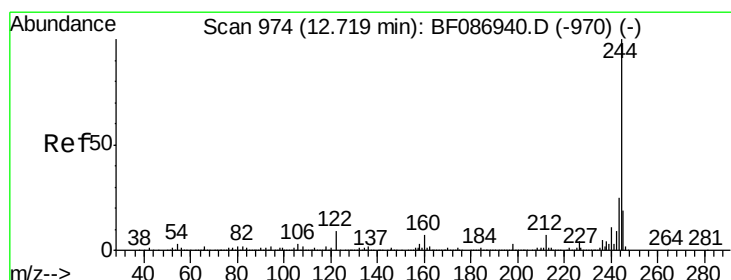
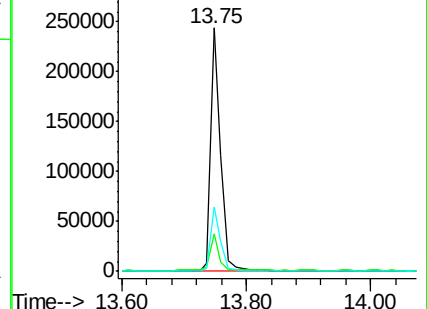
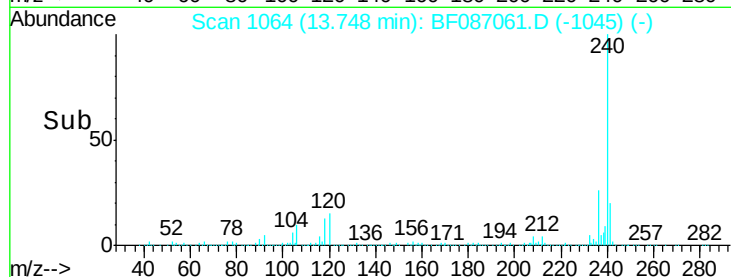
236 26.4 21.2 31.8



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: 59.30 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.09 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

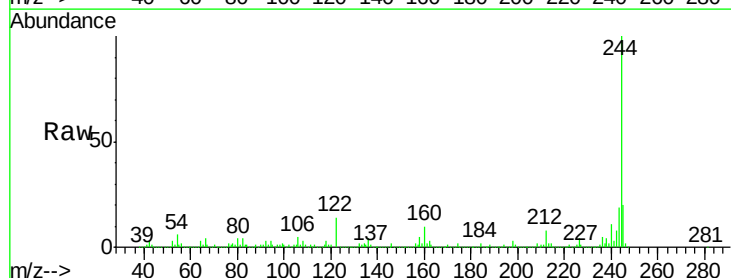
Tgt Ion:244 Resp: 763165

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

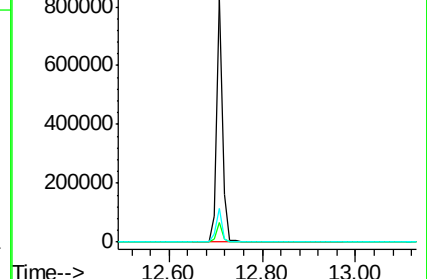
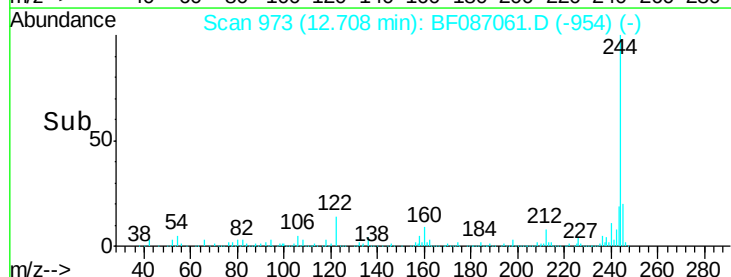
122 14.1 12.0 18.0

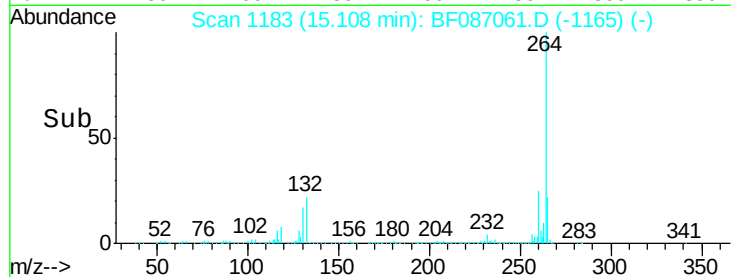
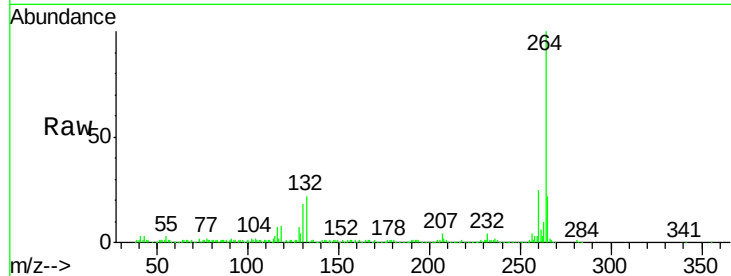
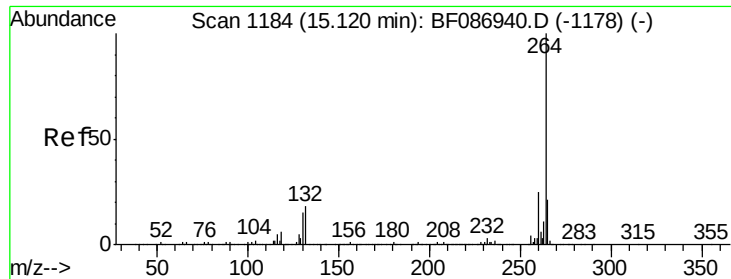


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.11 min Scan# 1183

Delta R.T. -0.10 min

Lab File: BF087061.D

Acq: 15 May 2016 11:07

Instrument :

BNA\_F

ClientSampleId :

MW-08

Tgt Ion:264 Resp: 294218

Ion Ratio Lower Upper

264 100

260 24.8 19.5 29.3

265 22.4 17.3 25.9

