

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF062515\  
 Data File : BF080165.D  
 Acq On : 25 Jun 2015 14:49  
 Operator : TP/IZ  
 Sample : G2734-06  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-TMD6

Quant Time: Jun 26 01:19:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF061715.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jun 26 01:01:50 2015  
 Response via : Initial Calibration

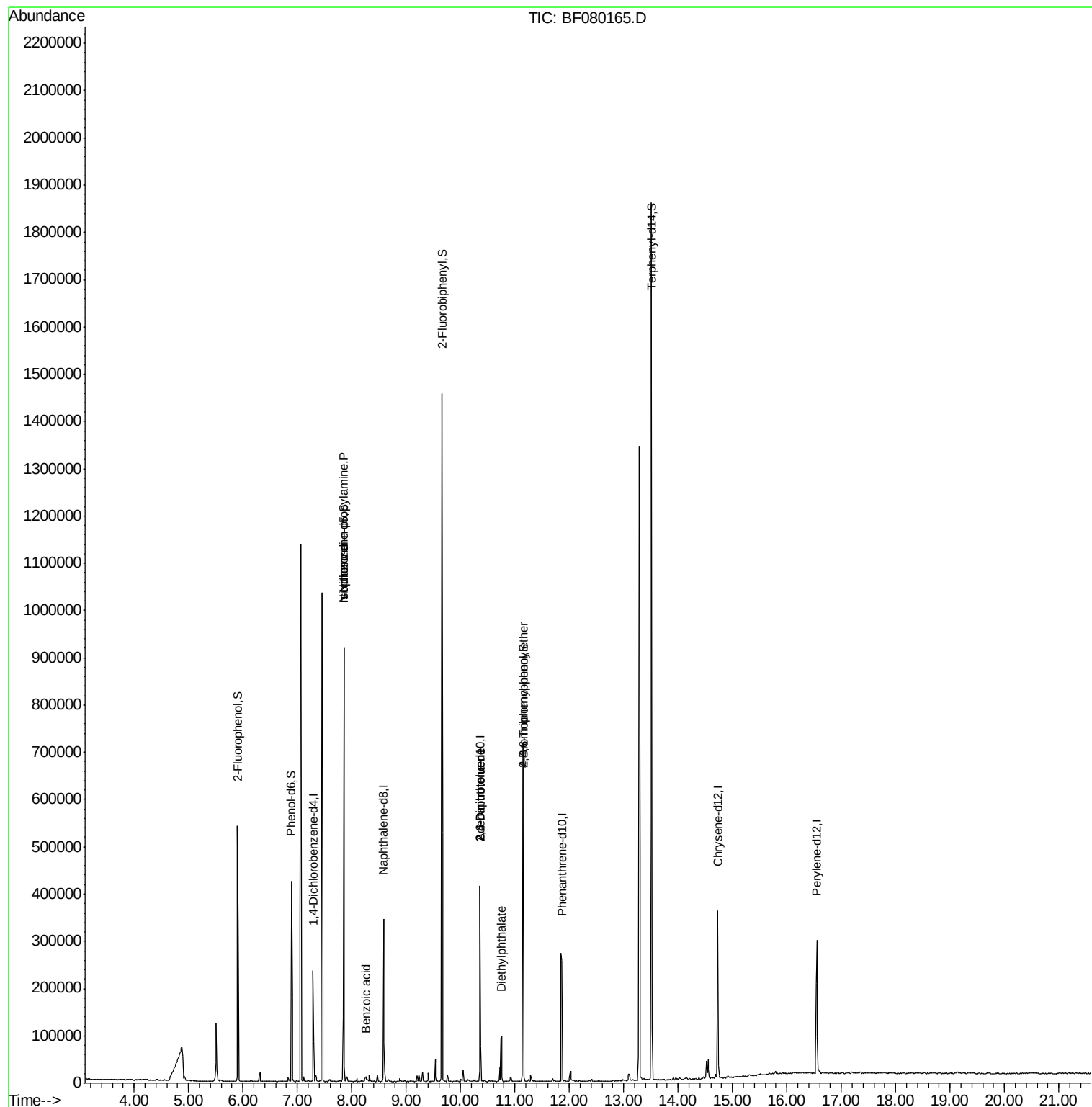
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.29  | 152  | 37228    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 8.58  | 136  | 144992   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10           | 10.36 | 164  | 77055    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10           | 11.86 | 188  | 148782   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12               | 14.73 | 240  | 163499   | 20.00  | ng    | -0.09    |
| 86) Perylene-d12               | 16.55 | 264  | 158995   | 20.00  | ng    | -0.16    |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.90  | 112  | 179577   | 85.39  | ng    | 0.00     |
| 7) Phenol-d6                   | 6.89  | 99   | 152514   | 54.50  | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.85  | 82   | 257678   | 103.46 | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol       | 11.16 | 330  | 112144   | 148.83 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 9.66  | 172  | 473913   | 87.71  | ng    | -0.01    |
| 78) Terphenyl-d14              | 13.51 | 244  | 608681   | 86.95  | ng    | -0.03    |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 7.85  | 70   | 33760    | 17.38  | ng    | # 58     |
| 25) Isophorone                 | 7.85  | 82   | 225886   | 45.07  | ng    | # 58     |
| 32) Benzoic acid               | 8.25  | 122  | 2898     | 2.14   | ng    | # 78     |
| 50) 2,6-Dinitrotoluene         | 10.36 | 165  | 9836     | 8.47   | ng    | # 37     |
| 56) 2,4-Dinitrotoluene         | 10.36 | 165  | 9834     | 6.67   | ng    | # 31     |
| 59) Diethylphthalate           | 10.76 | 149  | 18856    | 3.23   | ng    | 99       |
| 66) 4-Bromophenyl-phenylether  | 11.16 | 248  | 7595     | 4.80   | ng    | # 1      |

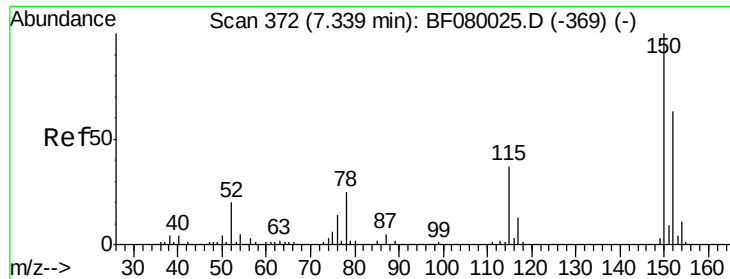
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.29 min Scan# 368

Delta R.T. 0.00 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

Instrument :

BNA\_F

ClientSampleId :

GW-TMD6

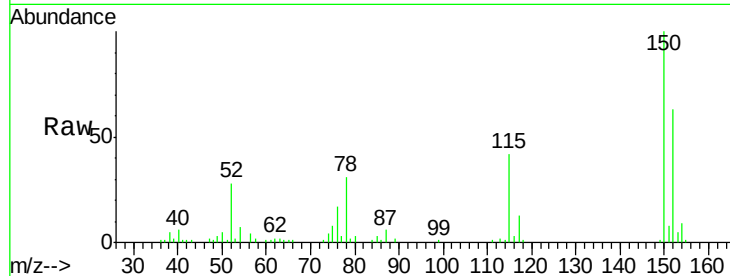
Tgt Ion:152 Resp: 37228

Ion Ratio Lower Upper

152 100

150 158.5 124.7 187.1

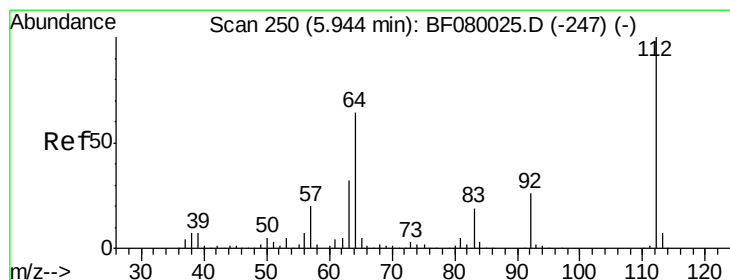
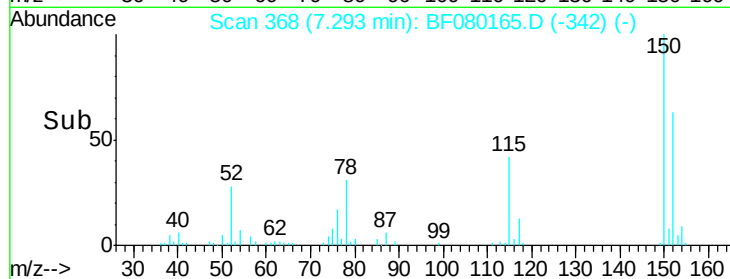
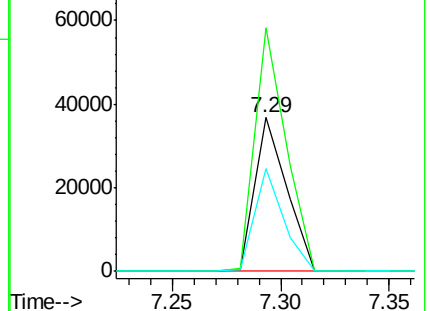
115 67.1 39.0 58.4#



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: 85.39 ng

RT: 5.90 min Scan# 246

Delta R.T. 0.00 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

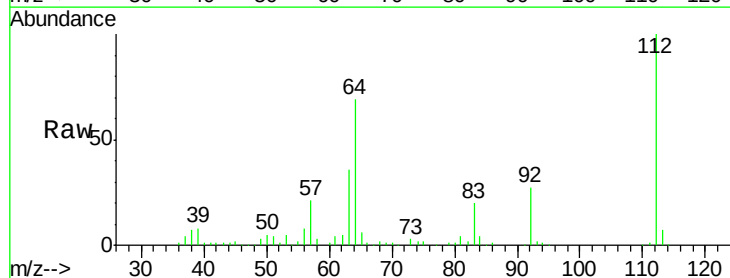
Tgt Ion:112 Resp: 179577

Ion Ratio Lower Upper

112 100

64 69.5 39.7 59.5#

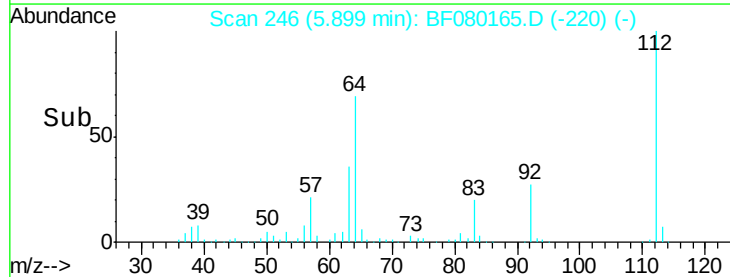
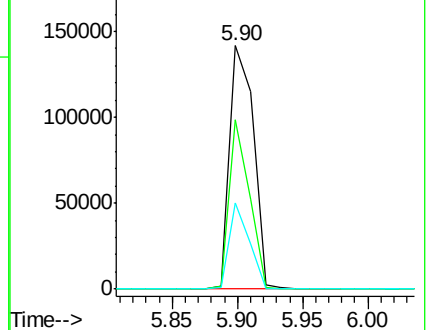
63 35.5 17.4 26.0#

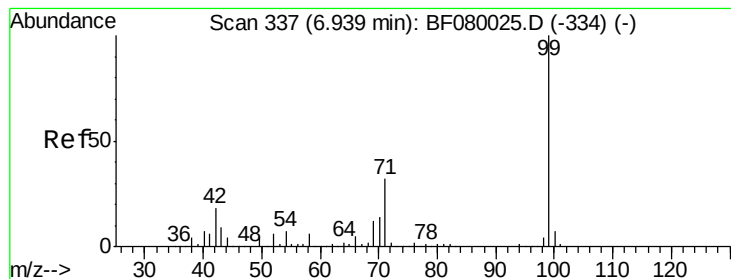


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 54.50 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.01 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

Instrument :

BNA\_F

ClientSampleId :

GW-TMD6

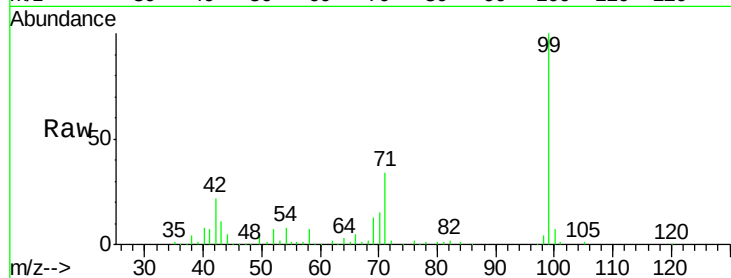
Tgt Ion: 99 Resp: 152514

Ion Ratio Lower Upper

99 100

42 21.7 13.7 20.5#

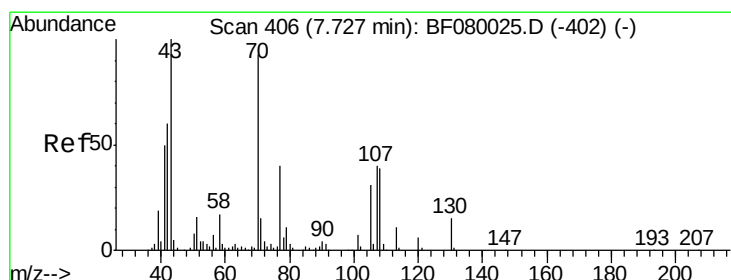
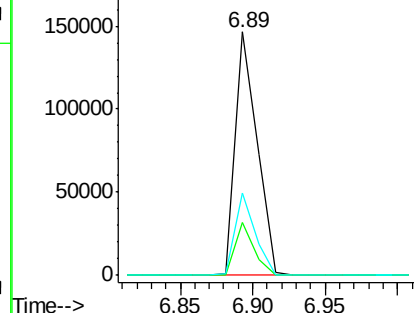
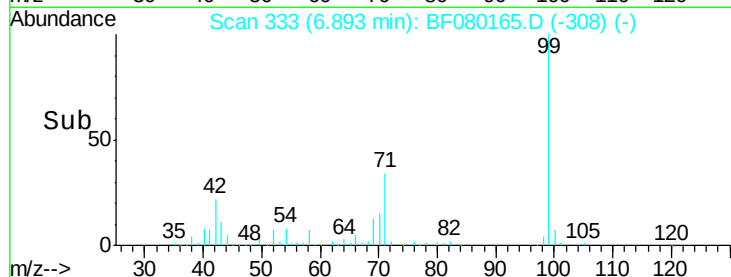
71 34.0 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.38 ng

RT: 7.85 min Scan# 417

Delta R.T. 0.16 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

Tgt Ion: 70 Resp: 33760

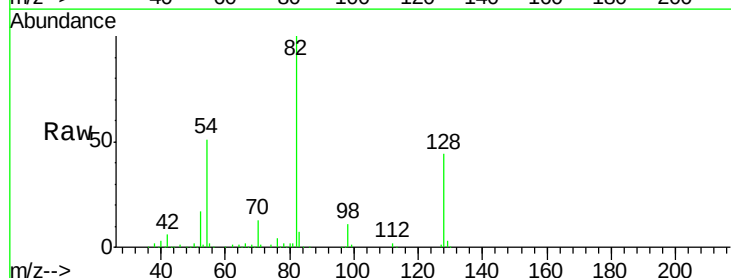
Ion Ratio Lower Upper

70 100

42 46.9 63.8 95.6#

101 0.0 9.2 13.8#

130 1.8 27.3 40.9#

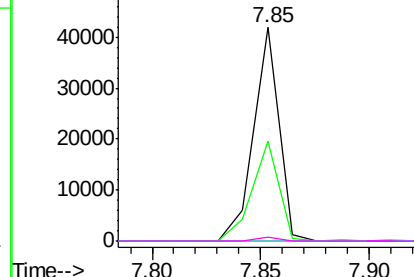
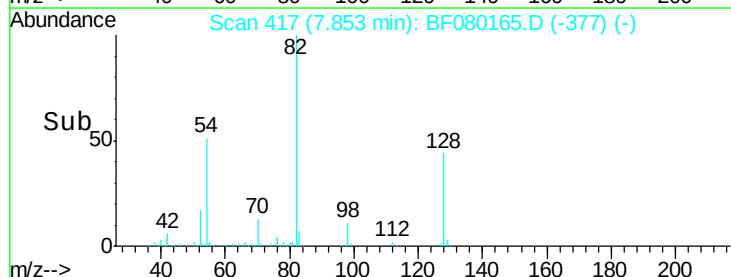


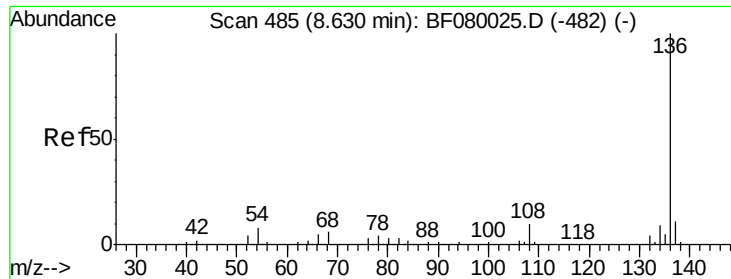
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

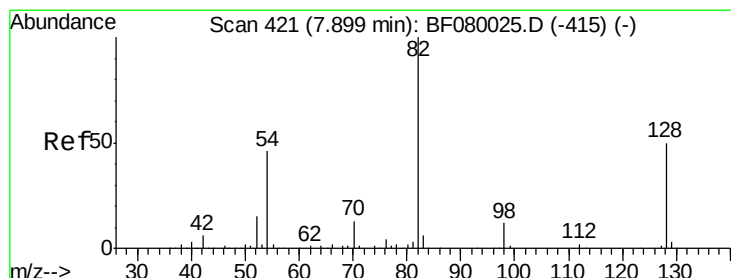
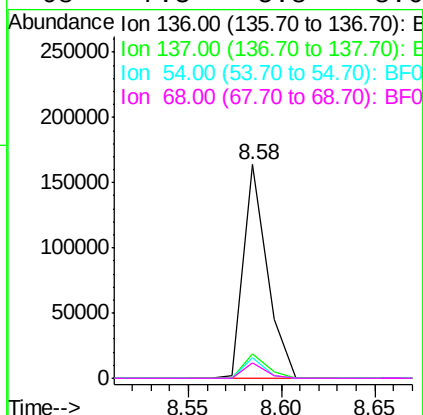
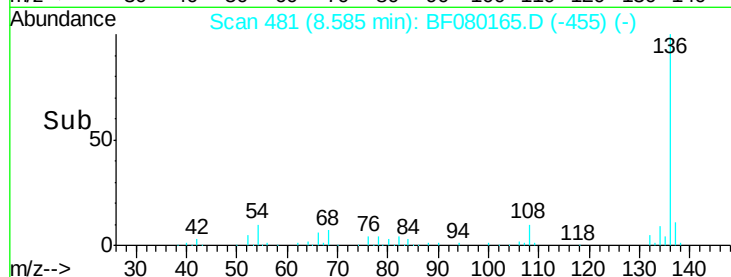
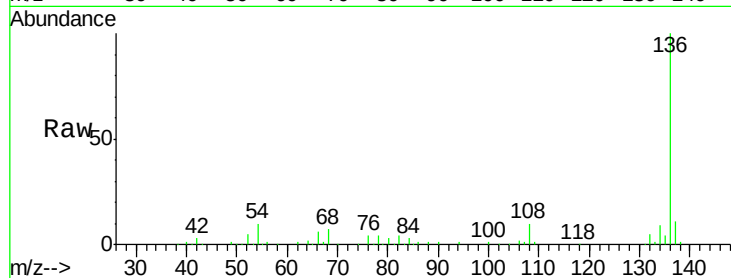




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.58 min Scan# 481  
Delta R.T. 0.00 min  
Lab File: BF080165.D  
Acq: 25 Jun 2015 14:49

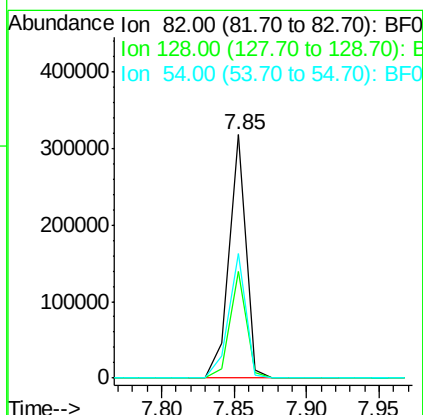
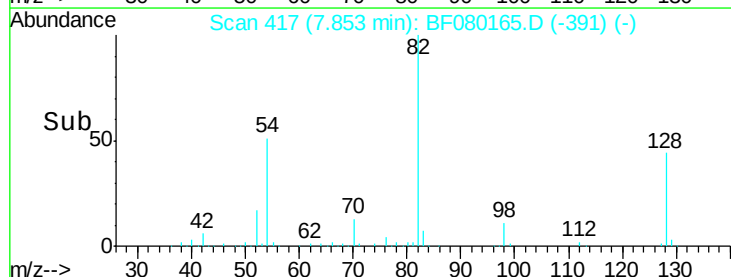
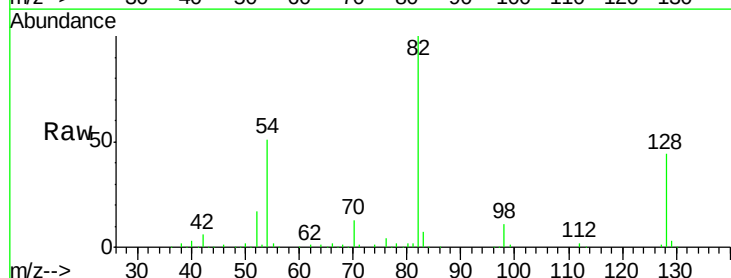
Instrument :  
BNA\_F  
ClientSampleId :  
GW-TMD6

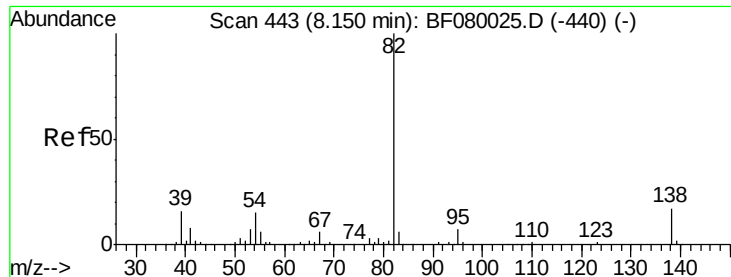
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 144992 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.1  | 9.0   | 13.6   |
| 54       | 9.9   | 8.2   | 12.2   |
| 68       | 7.3   | 5.8   | 8.6    |



#23  
Nitrobenzene-d5  
Concen: 103.46 ng  
RT: 7.85 min Scan# 417  
Delta R.T. 0.00 min  
Lab File: BF080165.D  
Acq: 25 Jun 2015 14:49

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 257678 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 43.8  | 51.0  | 76.6#  |
| 54       | 51.1  | 47.5  | 71.3   |





#25

Isophorone

Concen: 45.07 ng

RT: 7.85 min Scan# 417

Delta R.T. -0.26 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

Instrument :

BNA\_F

ClientSampleId :

GW-TMD6

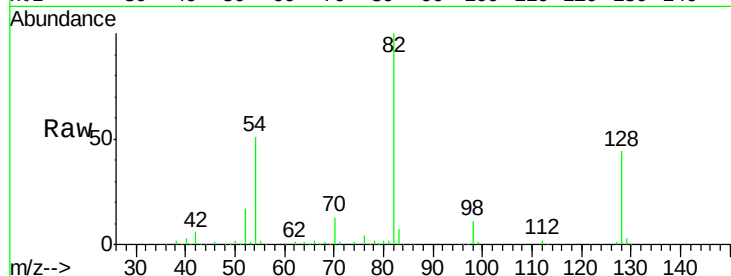
Tgt Ion: 82 Resp: 225886

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

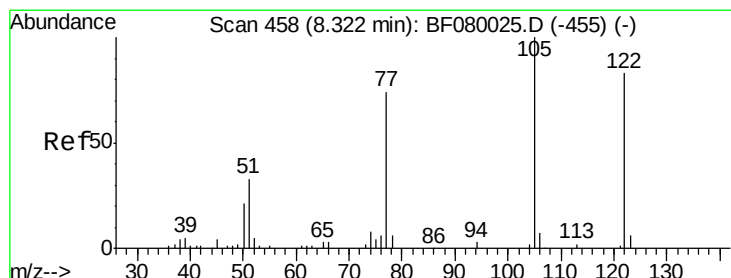
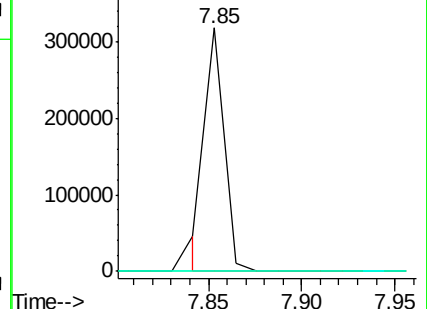
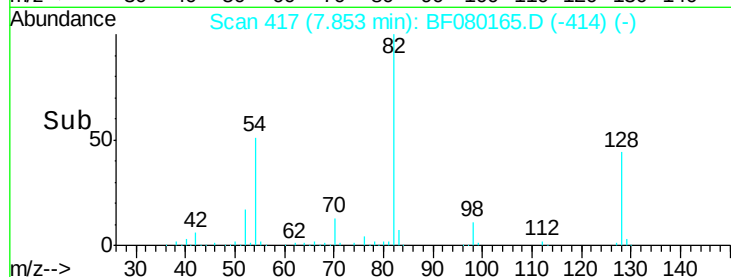
138 0.0 18.3 27.5#



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): BF0



#32

Benzoic acid

Concen: 2.14 ng

RT: 8.25 min Scan# 452

Delta R.T. -0.03 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

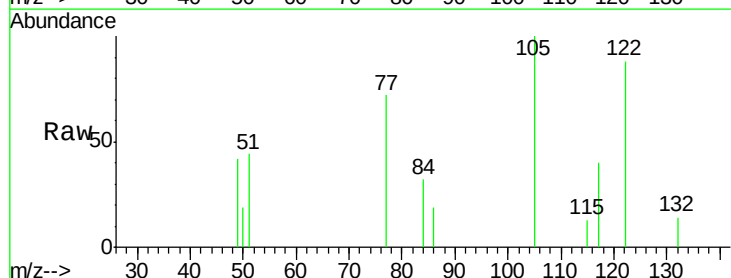
Tgt Ion: 122 Resp: 2898

Ion Ratio Lower Upper

122 100

105 113.8 76.1 116.1

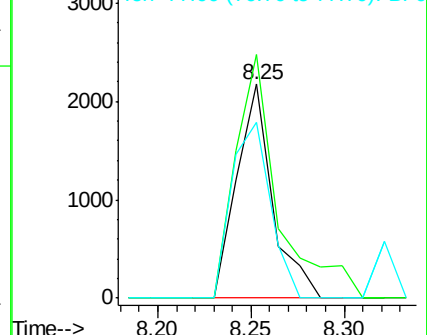
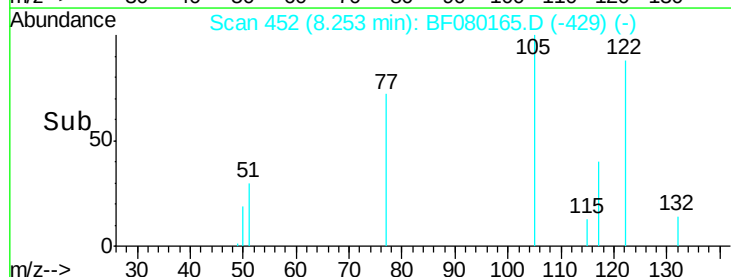
77 82.0 40.5 80.5#

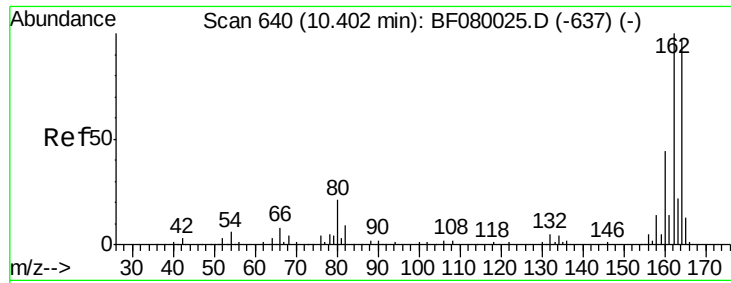


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

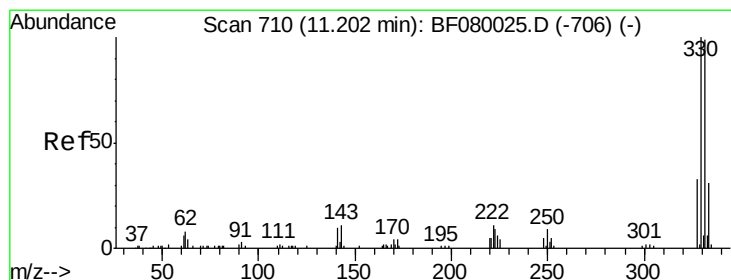
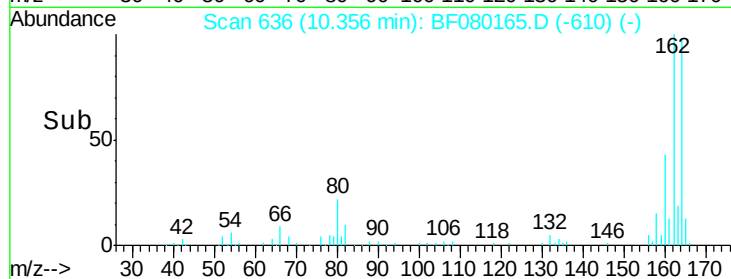
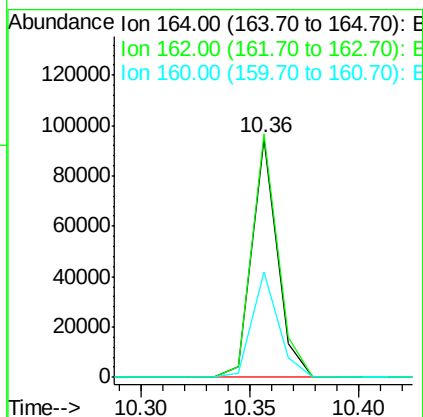
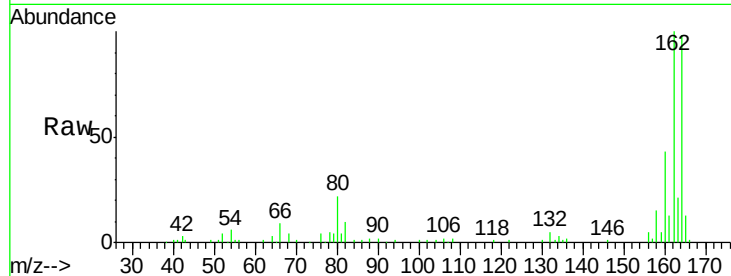




#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 10.36 min Scan# 636  
 Delta R.T. 0.00 min  
 Lab File: BF080165.D  
 Acq: 25 Jun 2015 14:49

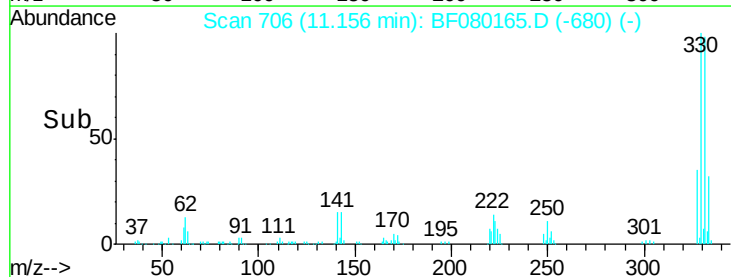
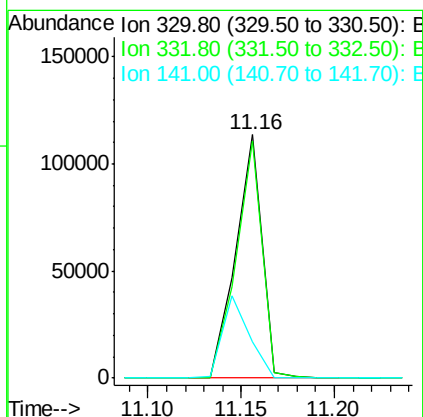
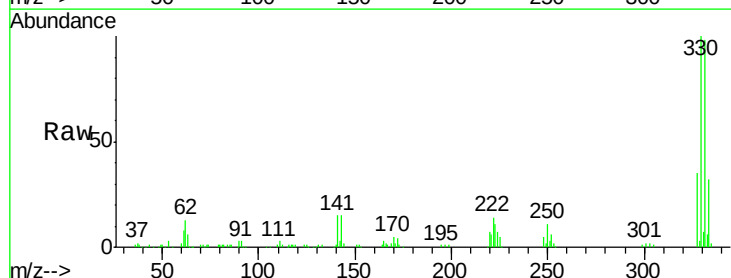
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-TMD6

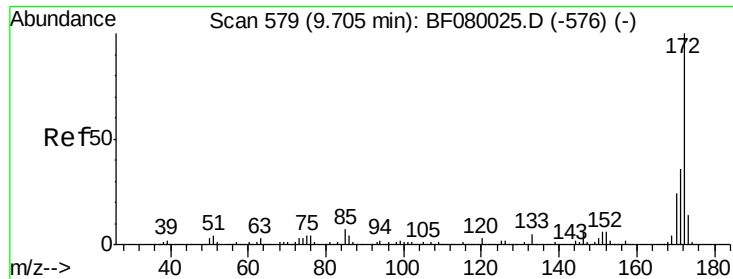
Tgt Ion:164 Resp: 77055  
 Ion Ratio Lower Upper  
 164 100  
 162 101.9 75.2 112.8  
 160 44.1 31.5 47.3



#41  
 2,4,6-Tribromophenol  
 Concen: 148.83 ng  
 RT: 11.16 min Scan# 706  
 Delta R.T. 0.00 min  
 Lab File: BF080165.D  
 Acq: 25 Jun 2015 14:49

Tgt Ion:330 Resp: 112144  
 Ion Ratio Lower Upper  
 330 100  
 332 95.9 76.6 114.8  
 141 34.7 29.7 44.5

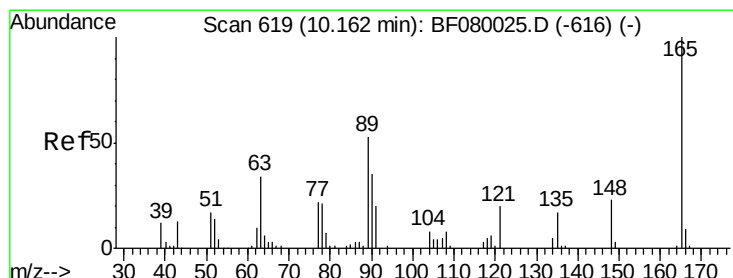
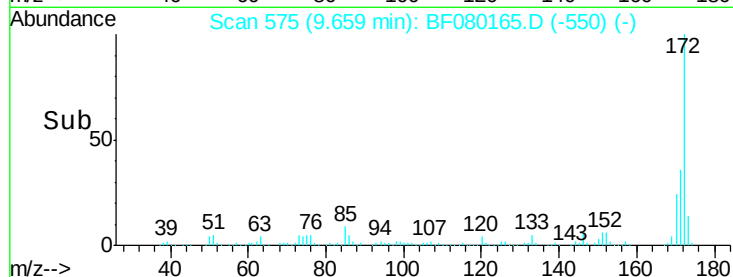
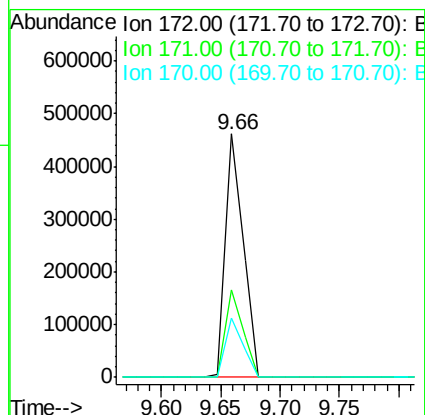
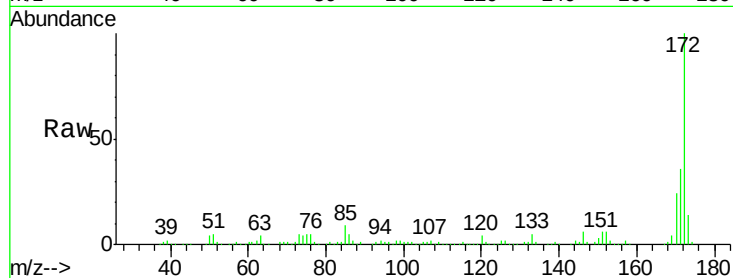




#44  
2-Fluorobiphenyl  
Concen: 87.71 ng  
RT: 9.66 min Scan# 575  
Delta R.T. -0.01 min  
Lab File: BF080165.D  
Acq: 25 Jun 2015 14:49

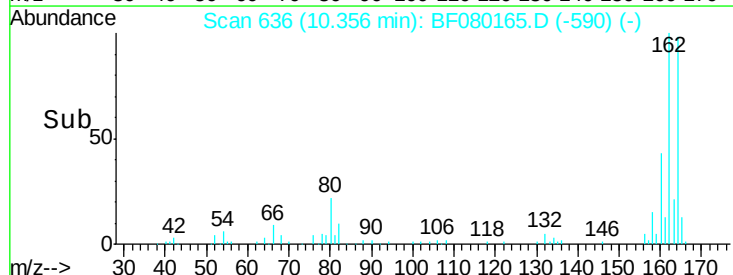
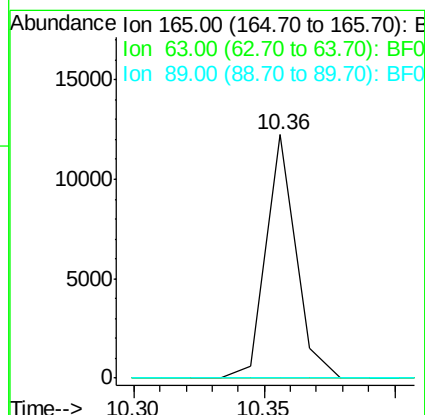
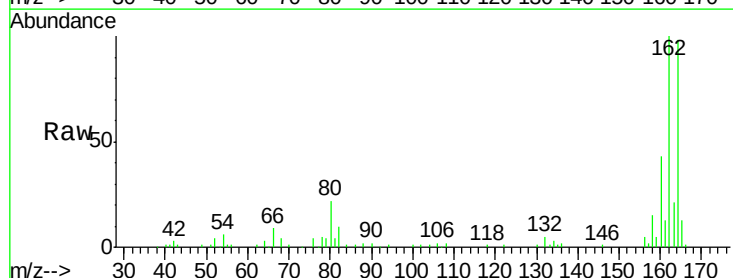
Instrument :  
BNA\_F  
ClientSampleId :  
GW-TMD6

Tgt Ion:172 Resp: 473913  
Ion Ratio Lower Upper  
172 100  
171 36.1 26.1 39.1  
170 24.4 17.4 26.2

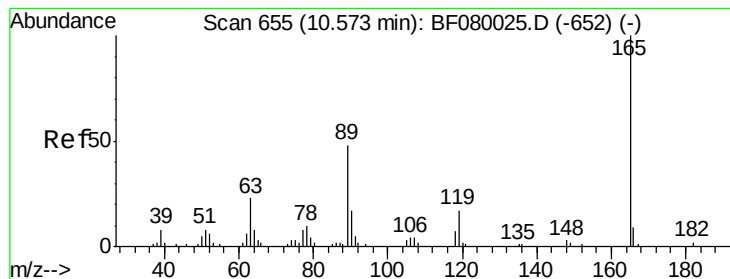


#50  
2,6-Dinitrotoluene  
Concen: 8.47 ng  
RT: 10.36 min Scan# 636  
Delta R.T. 0.23 min  
Lab File: BF080165.D  
Acq: 25 Jun 2015 14:49

Tgt Ion:165 Resp: 9836  
Ion Ratio Lower Upper  
165 100  
63 0.0 32.3 48.5#  
89 0.0 28.6 43.0#



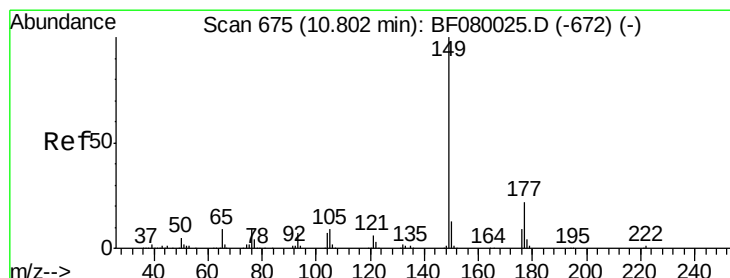
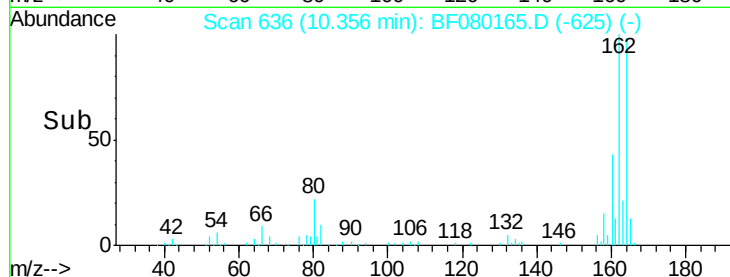
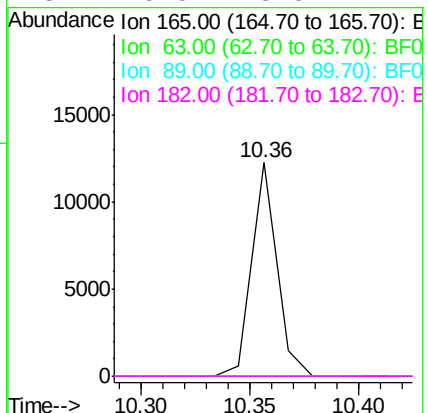
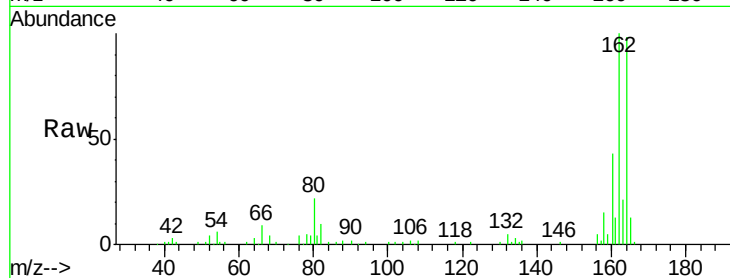




#56  
 2,4-Dinitrotoluene  
 Concen: 6.67 ng  
 RT: 10.36 min Scan# 636  
 Delta R.T. -0.17 min  
 Lab File: BF080165.D  
 Acq: 25 Jun 2015 14:49

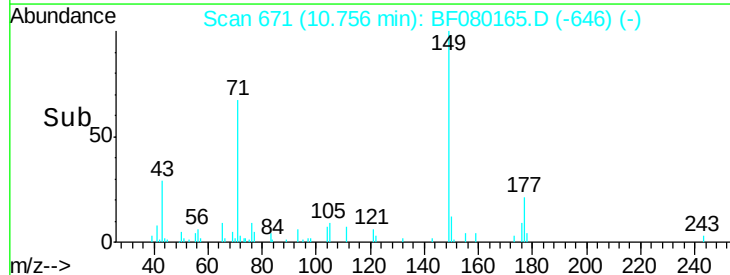
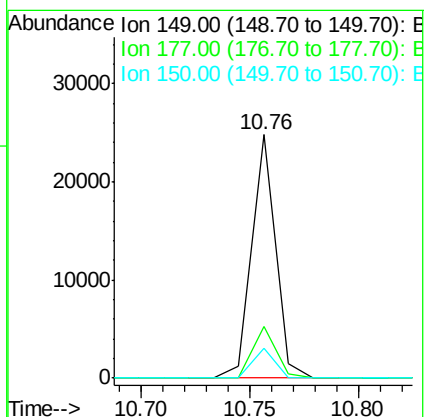
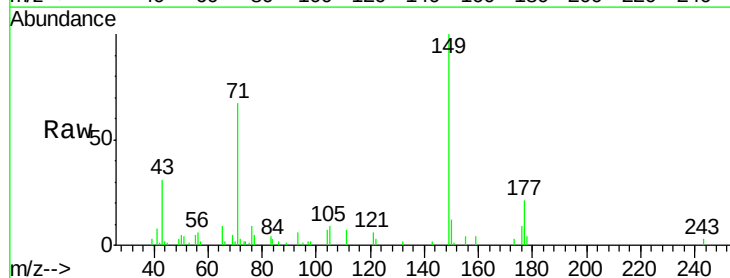
Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-TMD6

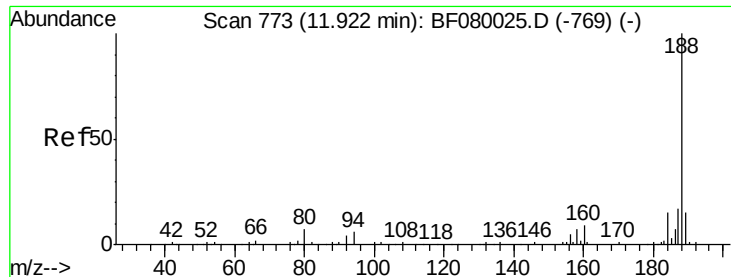
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 165   | Resp: | 9834  |
| Ion      | Ratio | Lower | Upper |
| 165      | 100   |       |       |
| 63       | 0.0   | 29.8  | 44.6# |
| 89       | 0.0   | 44.5  | 66.7# |
| 182      | 0.0   | 3.0   | 4.4#  |



#59  
 Diethylphthalate  
 Concen: 3.23 ng  
 RT: 10.76 min Scan# 671  
 Delta R.T. -0.01 min  
 Lab File: BF080165.D  
 Acq: 25 Jun 2015 14:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 149   | Resp: | 18856 |
| Ion      | Ratio | Lower | Upper |
| 149      | 100   |       |       |
| 177      | 21.1  | 17.5  | 26.3  |
| 150      | 12.2  | 9.4   | 14.2  |

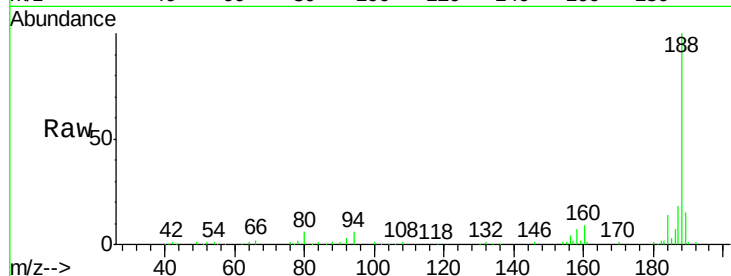




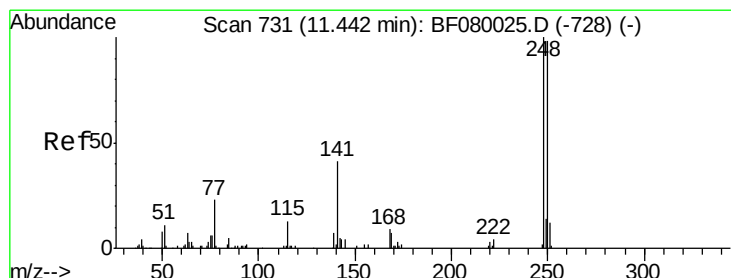
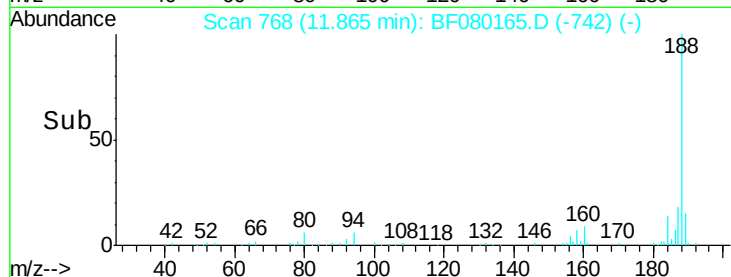
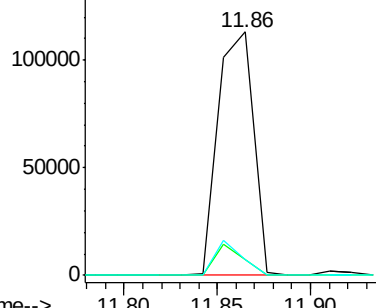
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.86 min Scan# 768  
 Delta R.T. 0.00 min  
 Lab File: BF080165.D  
 Acq: 25 Jun 2015 14:49

Instrument :  
 BNA\_F  
 ClientSampleId :  
 GW-TMD6

Tgt Ion:188 Resp: 148782  
 Ion Ratio Lower Upper  
 188 100  
 94 6.2 11.1 16.7#  
 80 6.2 11.0 16.4#

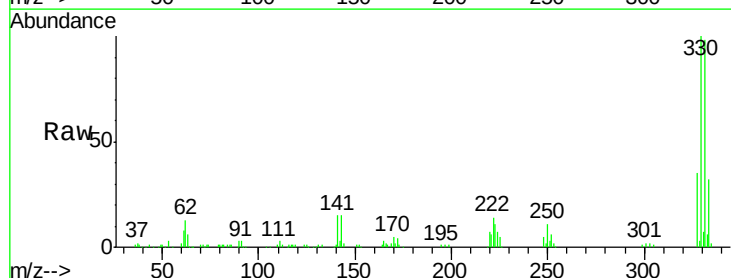


Abundance Ion 188.00 (187.70 to 188.70): E  
 Ion 94.00 (93.70 to 94.70): BF0  
 Ion 80.00 (79.70 to 80.70): BF0

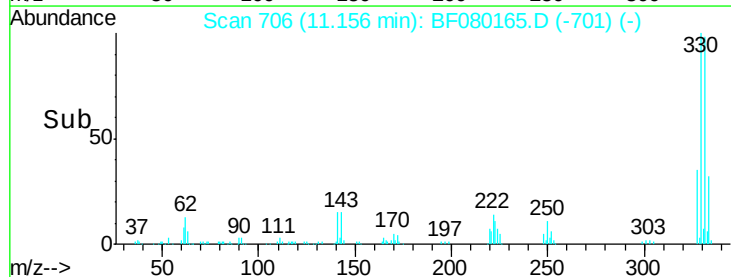
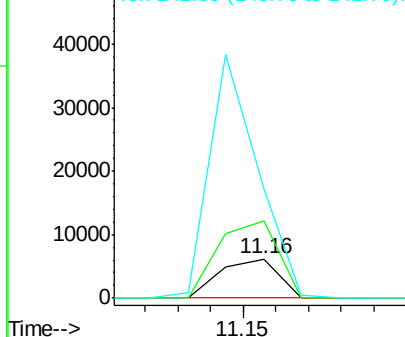


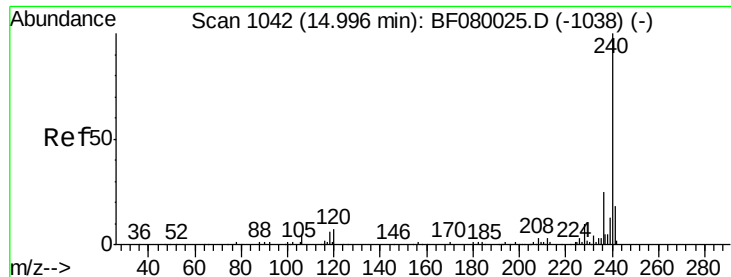
#66  
 4-Bromophenyl-phenylether  
 Concen: 4.80 ng  
 RT: 11.16 min Scan# 706  
 Delta R.T. -0.24 min  
 Lab File: BF080165.D  
 Acq: 25 Jun 2015 14:49

Tgt Ion:248 Resp: 7595  
 Ion Ratio Lower Upper  
 248 100  
 250 198.7 78.5 117.7#  
 141 281.0 59.0 88.6#



Abundance Ion 248.00 (247.70 to 248.70): E  
 Ion 250.00 (249.70 to 250.70): E  
 Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.73 min Scan# 1019

Delta R.T. -0.09 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

Instrument :

BNA\_F

ClientSampleId :

GW-TMD6

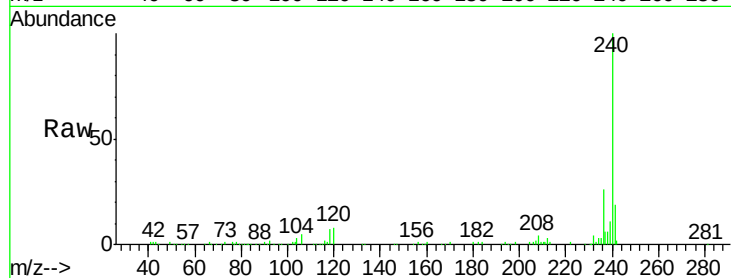
Tgt Ion:240 Resp: 163499

Ion Ratio Lower Upper

240 100

120 8.1 16.2 24.2#

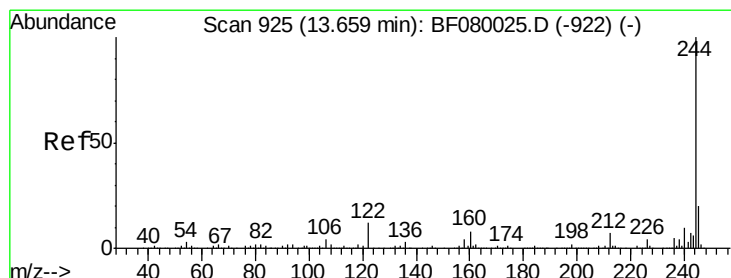
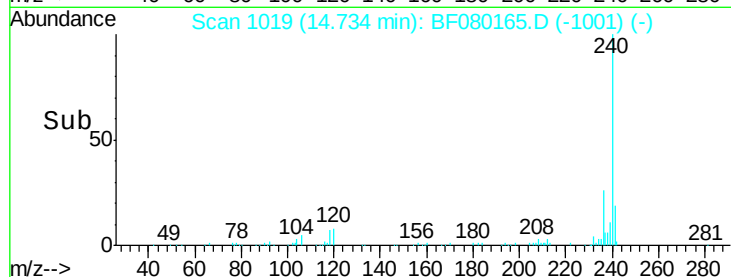
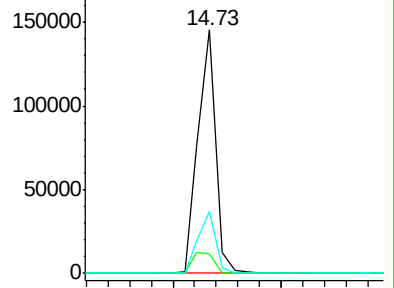
236 25.6 18.4 27.6



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: 86.95 ng

RT: 13.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF080165.D

Acq: 25 Jun 2015 14:49

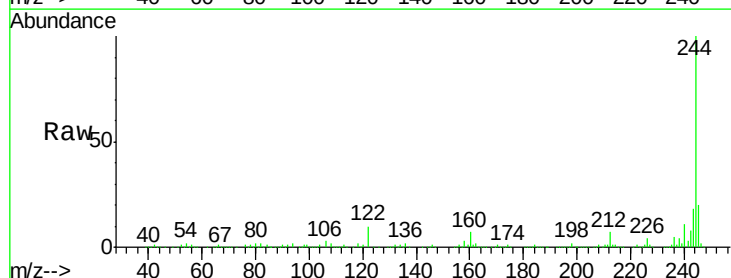
Tgt Ion:244 Resp: 608681

Ion Ratio Lower Upper

244 100

212 7.1 4.3 6.5#

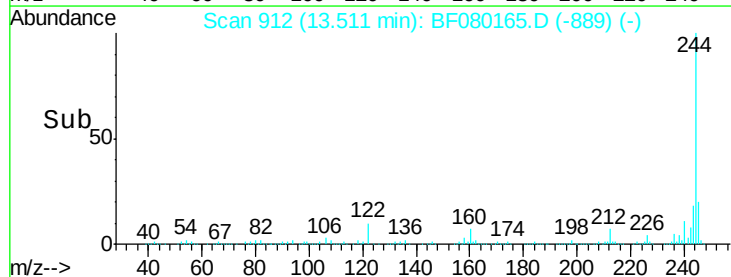
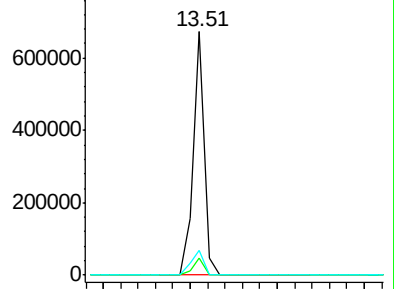
122 10.1 17.4 26.2#

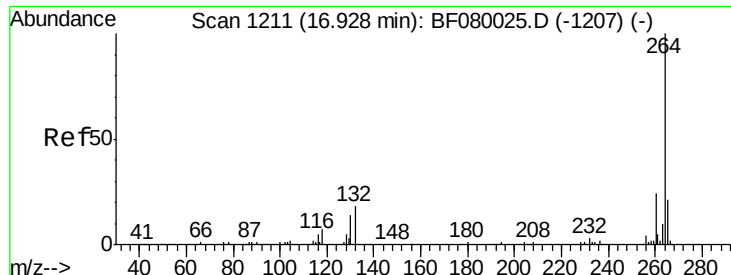


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 16.55 min Scan# 1178  
Delta R.T. -0.16 min  
Lab File: BF080165.D  
Acq: 25 Jun 2015 14:49

Instrument :  
BNA\_F  
ClientSampleId :  
GW-TMD6

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.7  | 16.7  | 25.1  |
| 265     | 20.6  | 17.2  | 25.8  |

