

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF051316\  
 Data File : BF087000.D  
 Acq On : 14 May 2016 5:36  
 Operator : UM/SJ  
 Sample : H2966-06  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01

Quant Time: May 14 06:00:09 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 23:02:21 2016  
 Response via : Initial Calibration

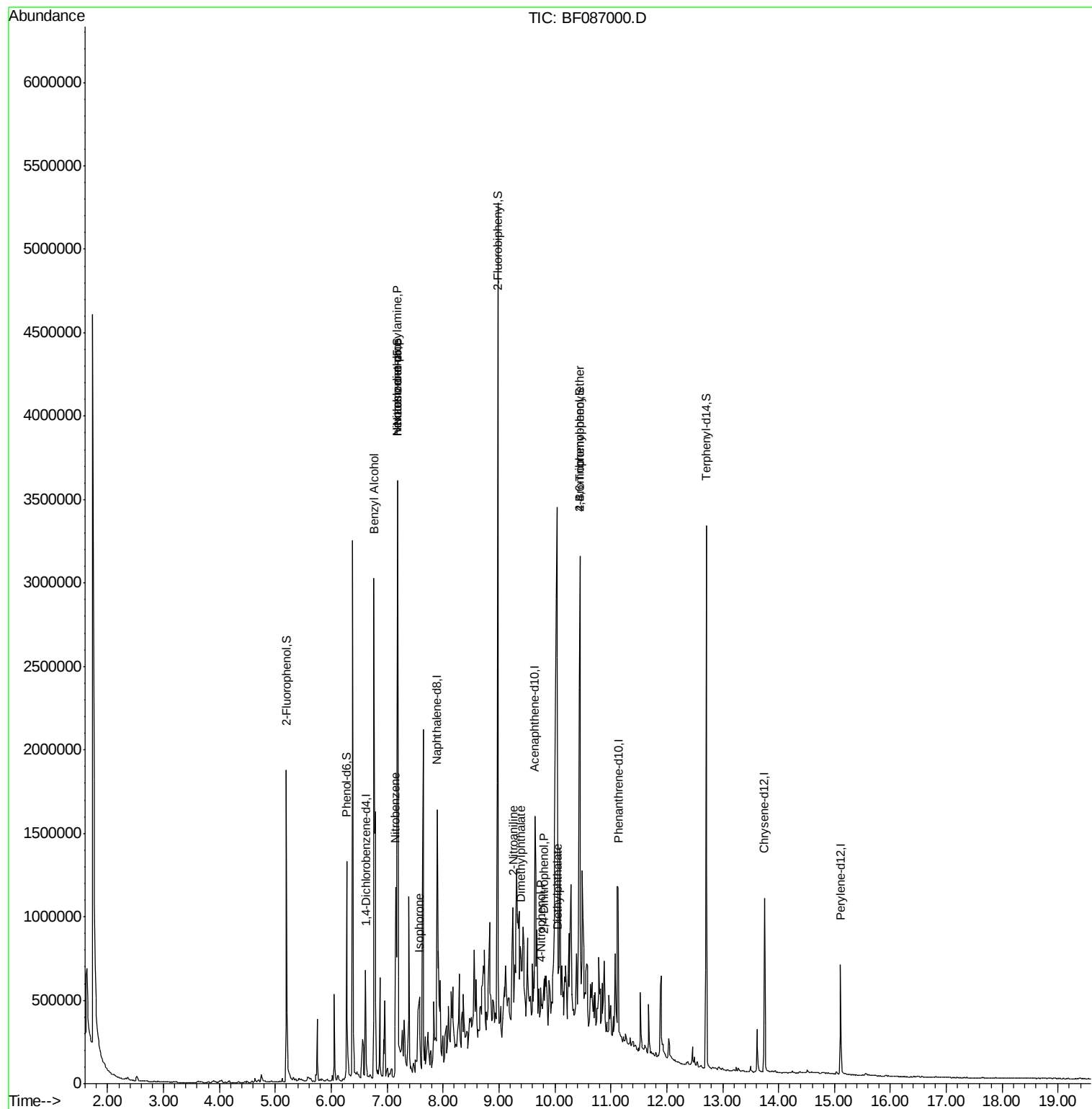
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.62  | 152  | 134181   | 20.00     | ng    | 0.00     |
| 21) Naphthalene-d8             | 7.90  | 136  | 518083   | 20.00     | ng    | -0.01    |
| 38) Acenaphthene-d10           | 9.64  | 164  | 251237   | 20.00     | ng    | -0.01    |
| 63) Phenanthrene-d10           | 11.13 | 188  | 473063   | 20.00     | ng    | 0.00     |
| 75) Chrysene-d12               | 13.75 | 240  | 349994   | 20.00     | ng    | -0.01    |
| 86) Perylene-d12               | 15.11 | 264  | 268487   | 20.00     | ng    | -0.01    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.20  | 112  | 507692   | 64.08     | ng    | 0.00     |
| 7) Phenol-d6                   | 6.27  | 99   | 446876   | 42.20     | ng    | -0.01    |
| 23) Nitrobenzene-d5            | 7.19  | 82   | 903596   | 87.58     | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol       | 10.44 | 330  | 426282   | 160.27    | ng    | 0.00     |
| 44) 2-Fluorobiphenyl           | 8.98  | 172  | 1430959  | 95.72     | ng    | 0.00     |
| 78) Terphenyl-d14              | 12.71 | 244  | 1110224  | 67.30     | ng    | -0.01    |
| Target Compounds               |       |      |          |           |       | Qvalue   |
| 15) Benzyl Alcohol             | 6.76  | 79   | 21557    | 2.95      | ng    | # 42     |
| 18) Hexachloroethane           | 7.19  | 117  | 382051   | 96.24     | ng    | # 9      |
| 19) n-Nitroso-di-n-propylamine | 7.19  | 70   | 144461   | 19.52     | ng    | # 72     |
| 24) Nitrobenzene               | 7.15  | 77   | 67120    | 6.32      | ng    | # 12     |
| 25) Isophorone                 | 7.58  | 82   | 39740    | 2.08      | ng    | # 29     |
| 47) 2-Nitroaniline             | 9.26  | 65   | 23112    | 4.04      | ng    | # 25     |
| 49) Dimethylphthalate          | 9.38  | 163  | 61518    | 3.21      | ng    | # 83     |
| 53) 2,4-Dinitrophenol          | 9.80  | 184  | 1665     | 8.42      | ng    | # 1      |
| 55) 4-Nitrophenol              | 9.76  | 139  | 3341     | 5.67      | ng    | # 1      |
| 59) Diethylphthalate           | 10.06 | 149  | 44465    | 2.38      | ng    | # 55     |
| 60) 4-Chlorophenyl-phenylether | 10.18 | 204  | 243      | Below Cal |       | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.44 | 248  | 26255    | 5.47      | ng    | # 1      |

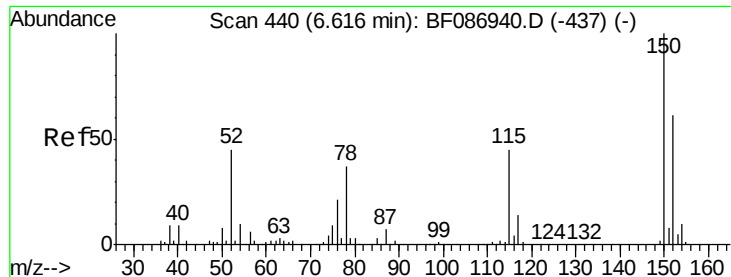
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 13 23:02:21 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.62 min Scan# 440

Delta R.T. -0.00 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

Instrument :

BNA\_F

ClientSampleId :

MW-01

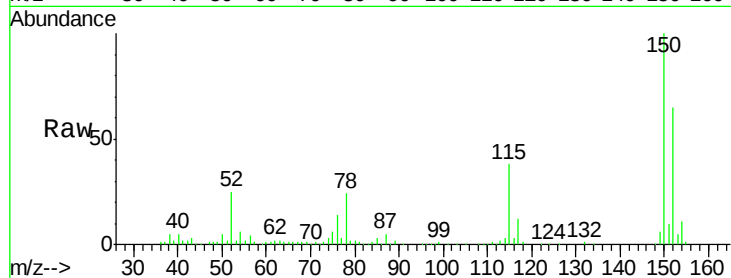
Tgt Ion:152 Resp: 134181

Ion Ratio Lower Upper

152 100

150 153.5 125.8 188.6

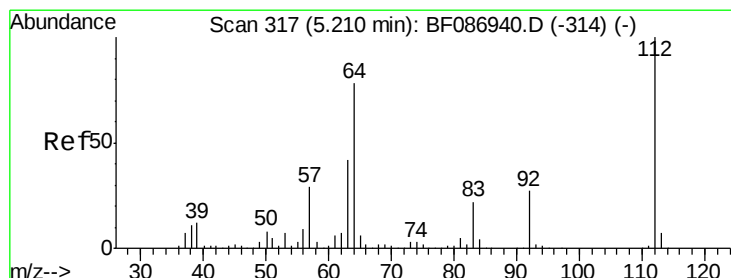
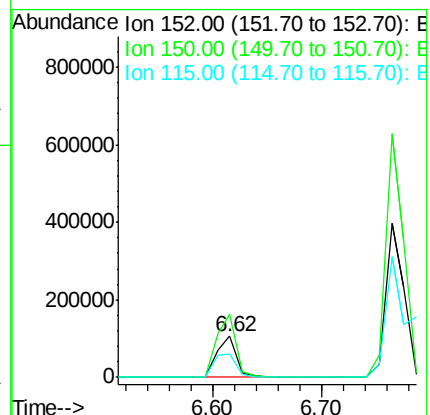
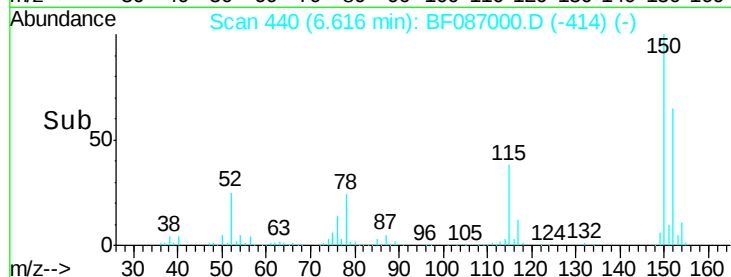
115 57.8 51.5 77.3



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: 64.08 ng

RT: 5.20 min Scan# 316

Delta R.T. -0.00 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

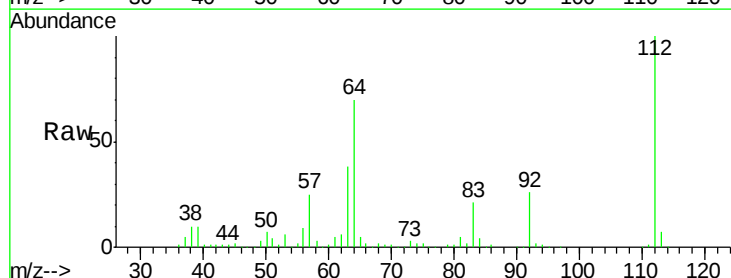
Tgt Ion:112 Resp: 507692

Ion Ratio Lower Upper

112 100

64 69.8 52.1 78.1

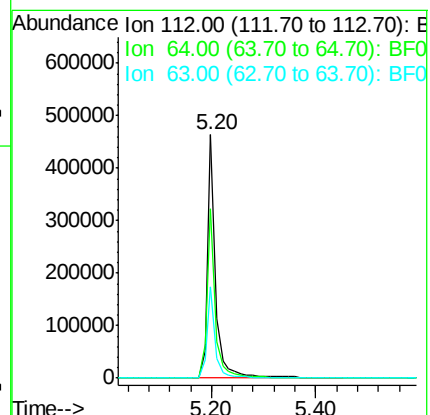
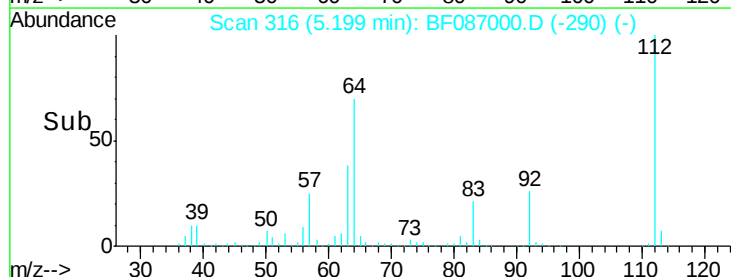
63 37.5 25.7 38.5

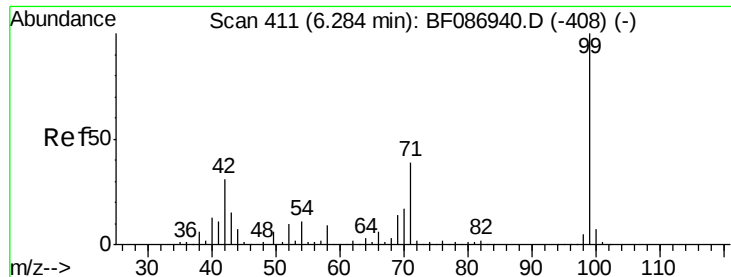


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 42.20 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.01 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

Instrument :

BNA\_F

ClientSampled :

MW-01

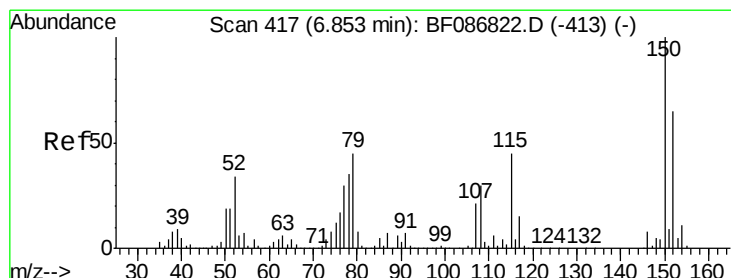
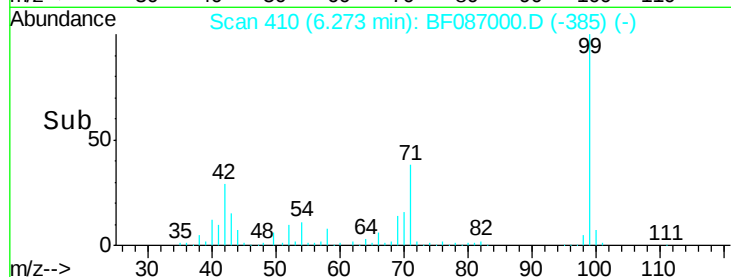
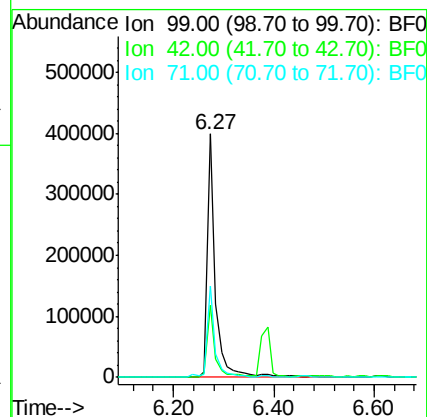
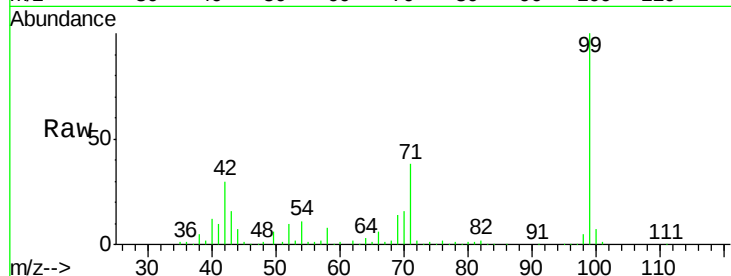
Tgt Ion: 99 Resp: 446876

Ion Ratio Lower Upper

99 100

42 29.6 13.6 20.4#

71 37.6 24.6 36.8#



#15

Benzyl Alcohol

Concen: 2.95 ng

RT: 6.76 min Scan# 453

Delta R.T. -0.01 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

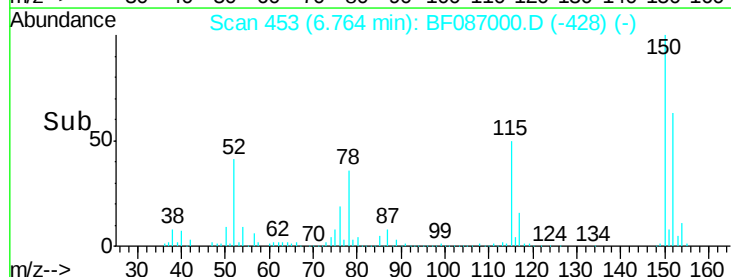
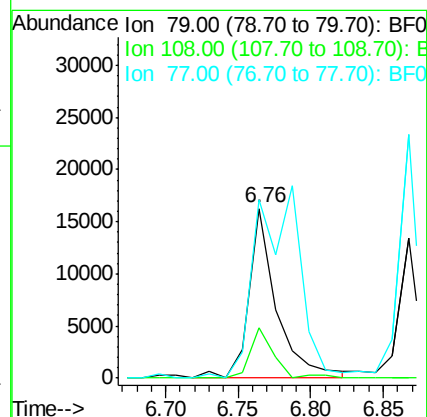
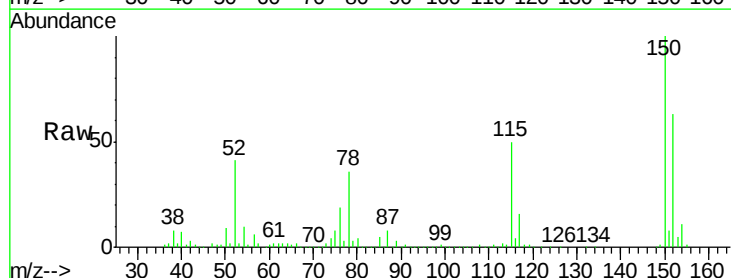
Tgt Ion: 79 Resp: 21557

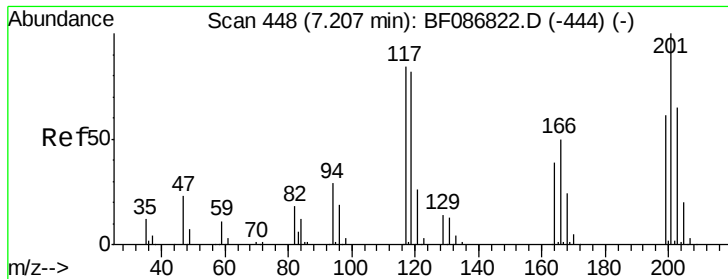
Ion Ratio Lower Upper

79 100

108 29.5 68.4 102.6#

77 105.4 50.6 76.0#

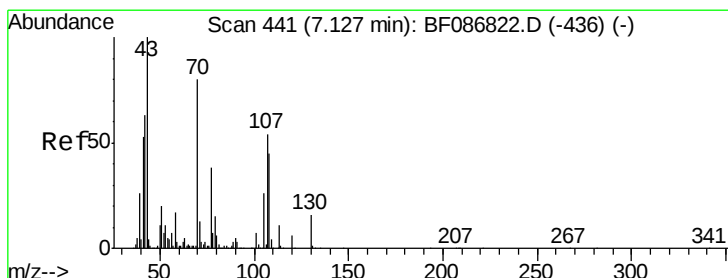
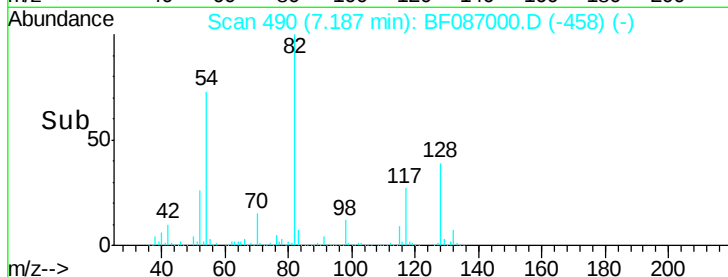
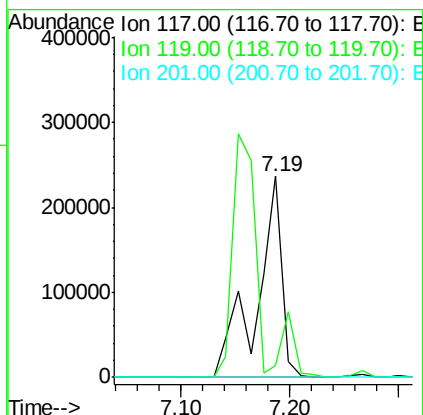
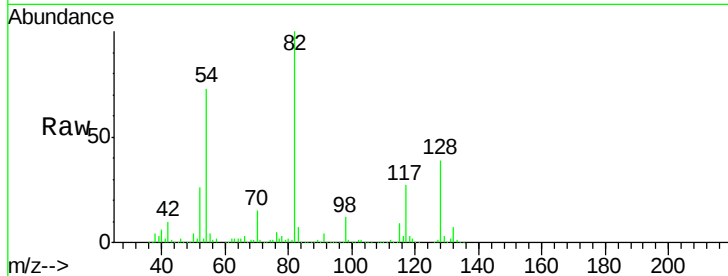




#18  
Hexachloroethane  
Concen: 96.24 ng  
RT: 7.19 min Scan# 490  
Delta R.T. 0.07 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

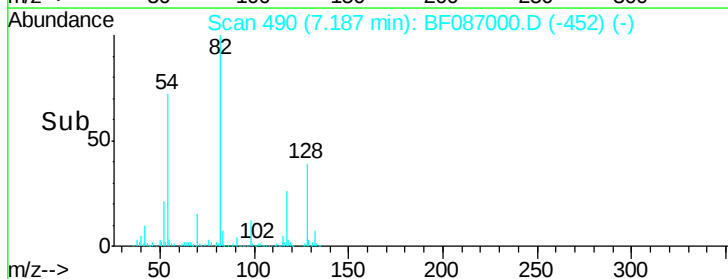
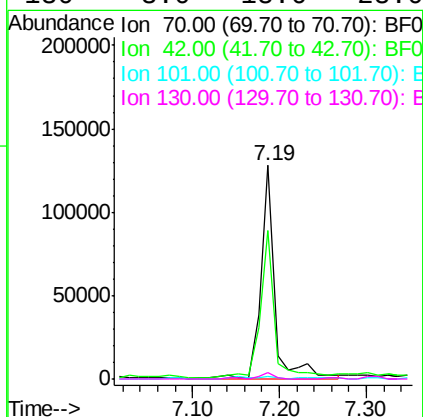
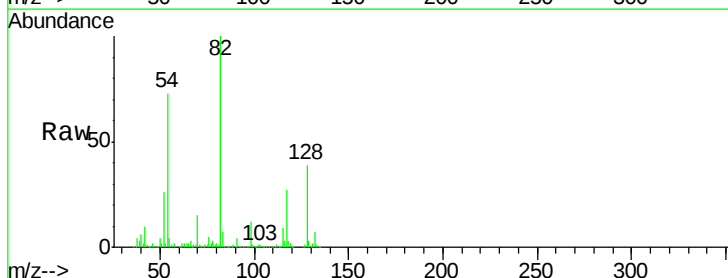
Instrument :  
BNA\_F  
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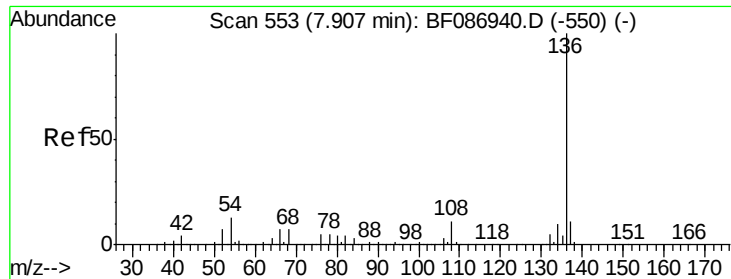
Tgt Ion: 117 Resp: 382051  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.5 114.7#  
201 0.0 63.0 94.6#



#19  
n-Nitroso-di-n-propylamine  
Concen: 19.52 ng  
RT: 7.19 min Scan# 490  
Delta R.T. 0.14 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

Tgt Ion: 70 Resp: 144461  
Ion Ratio Lower Upper  
70 100  
42 69.8 43.1 64.7#  
101 0.9 8.1 12.1#  
130 3.0 18.6 28.0#

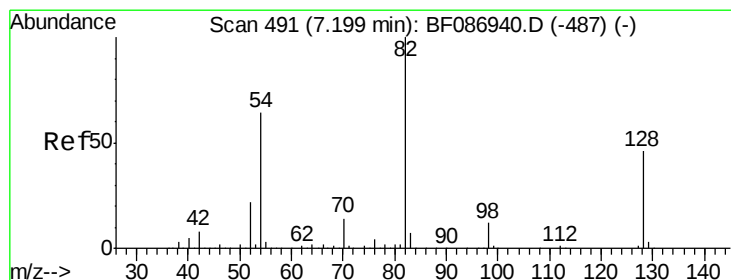
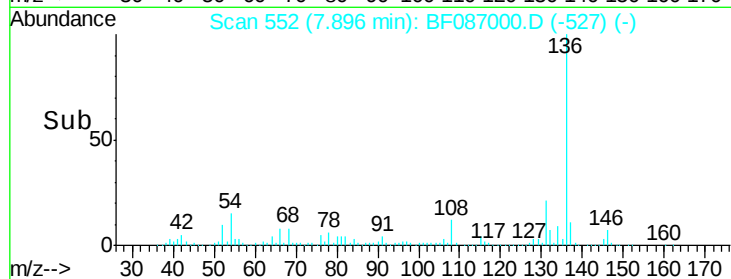
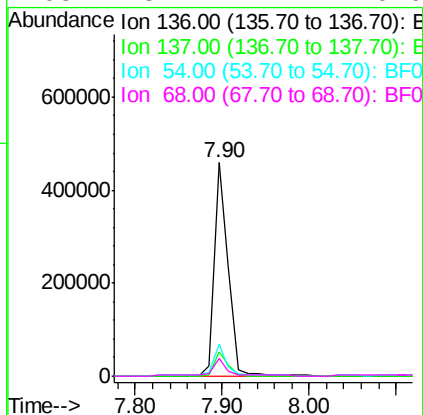
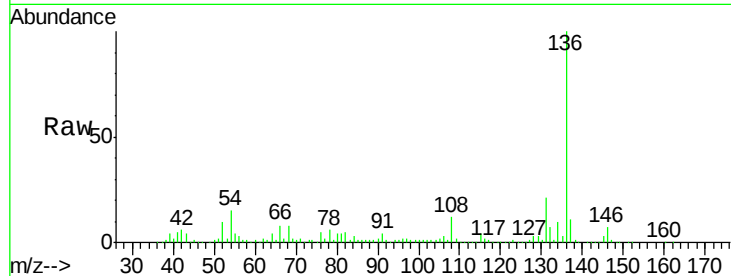




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.90 min Scan# 552  
Delta R.T. -0.01 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

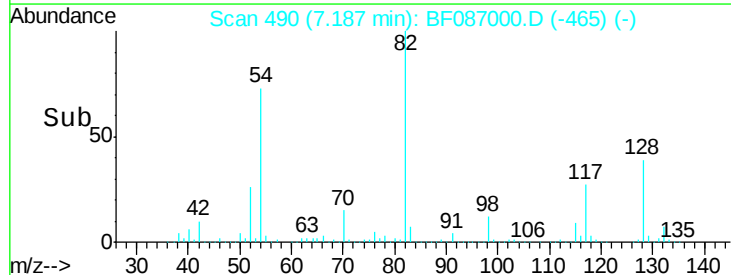
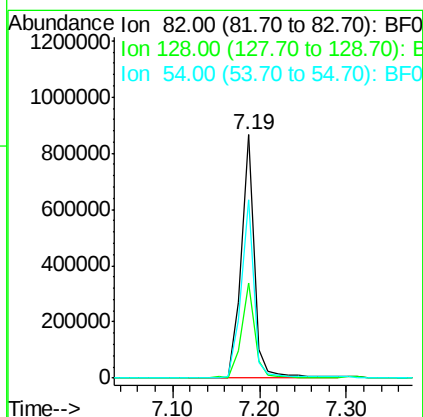
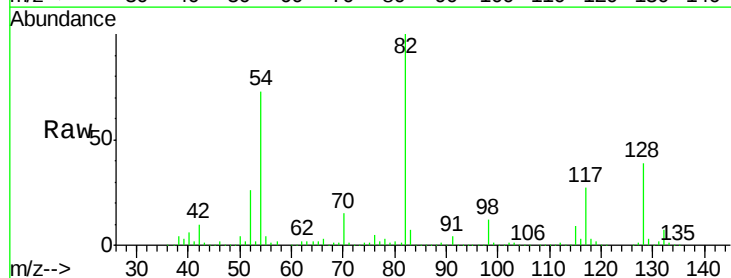
Instrument :  
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ClientSampleId :  
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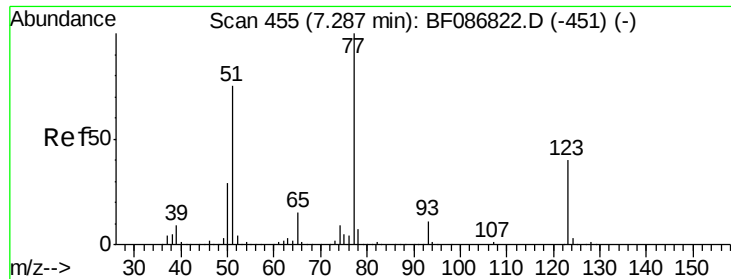
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 518083 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.2  | 8.8   | 13.2   |
| 54       | 15.2  | 5.0   | 7.4#   |
| 68       | 8.1   | 4.4   | 6.6#   |



#23  
Nitrobenzene-d5  
Concen: 87.58 ng  
RT: 7.19 min Scan# 490  
Delta R.T. -0.01 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 903596 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 39.0  | 40.6  | 61.0#  |
| 54       | 73.1  | 38.1  | 57.1#  |

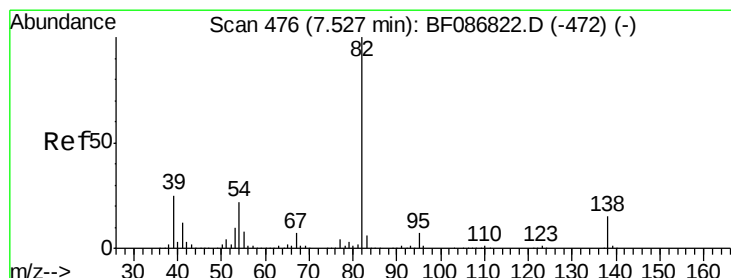
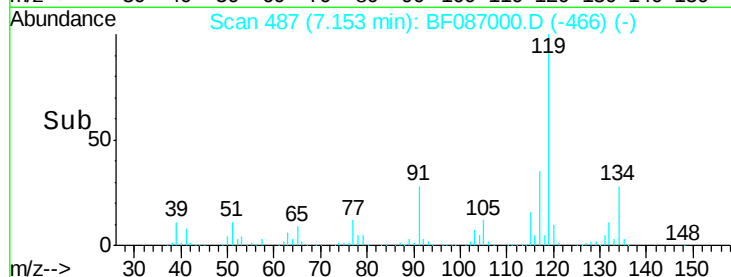
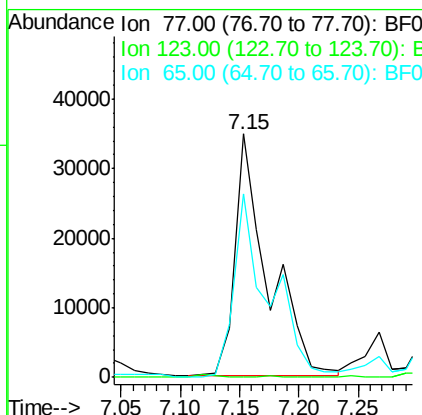
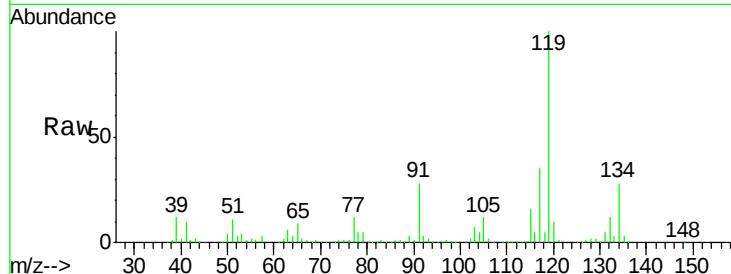




#24  
Nitrobenzene  
Concen: 6.32 ng  
RT: 7.15 min Scan# 487  
Delta R.T. -0.06 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

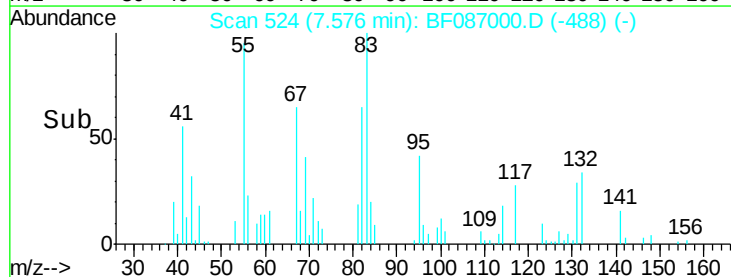
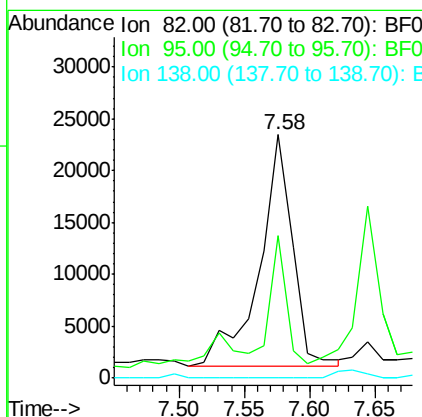
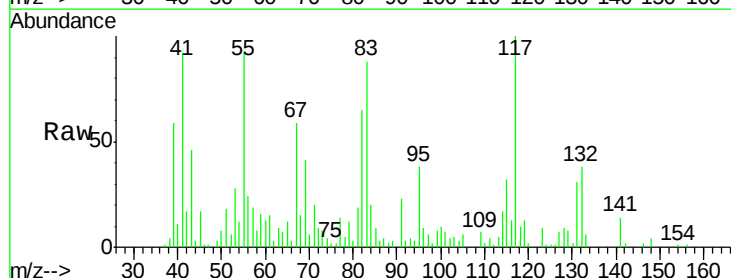
Instrument :  
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ClientSampleId :  
MW-01

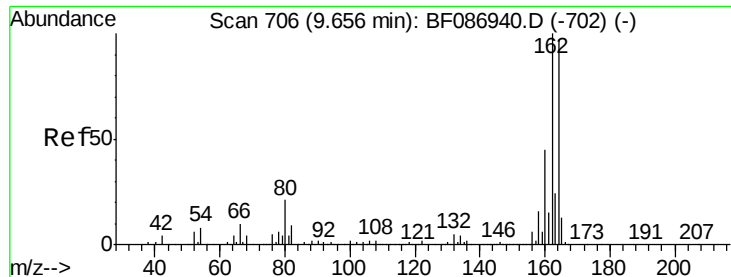
Tgt Ion: 77 Resp: 67120  
Ion Ratio Lower Upper  
77 100  
123 0.0 33.0 49.4#  
65 75.5 10.8 16.2#



#25  
Isophorone  
Concen: 2.08 ng  
RT: 7.58 min Scan# 524  
Delta R.T. 0.11 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

Tgt Ion: 82 Resp: 39740  
Ion Ratio Lower Upper  
82 100  
95 58.4 5.1 7.7#  
138 0.0 12.4 18.6#

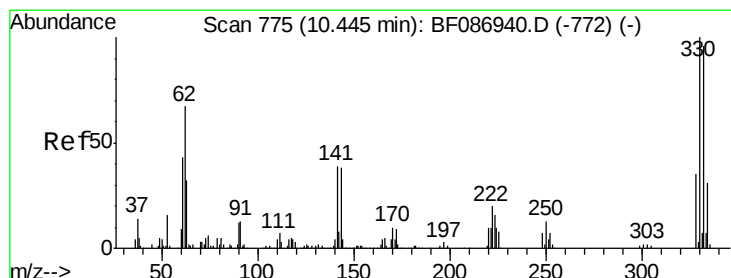
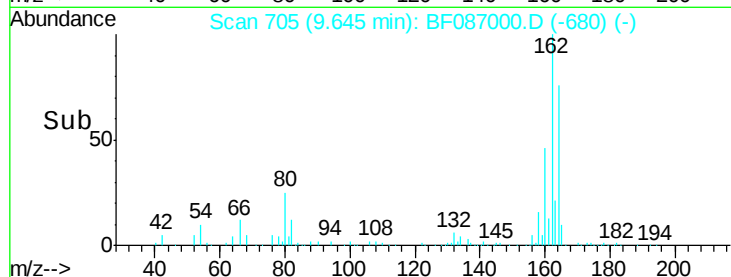
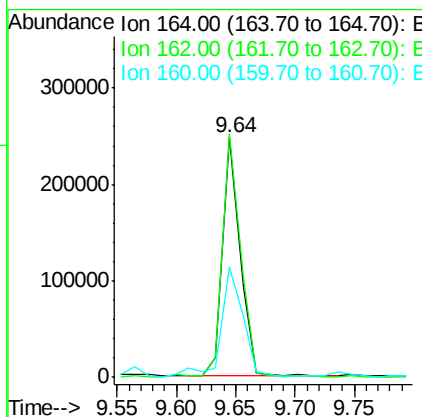
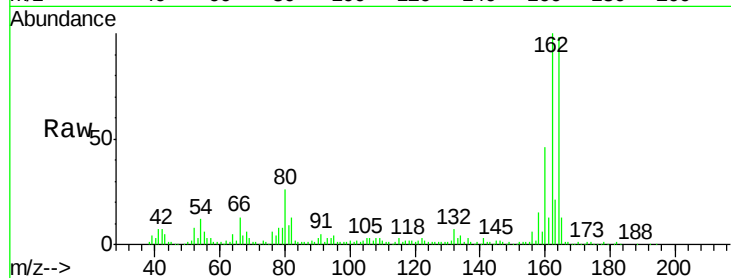




#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 9.64 min Scan# 705  
Delta R.T. -0.01 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

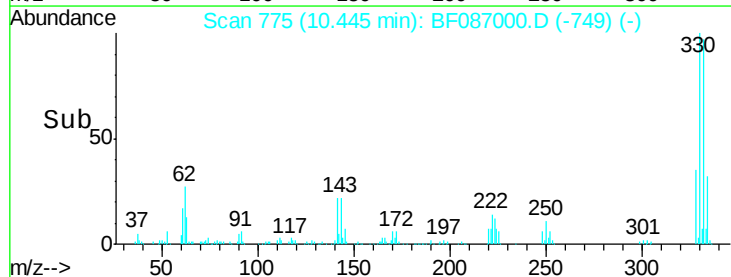
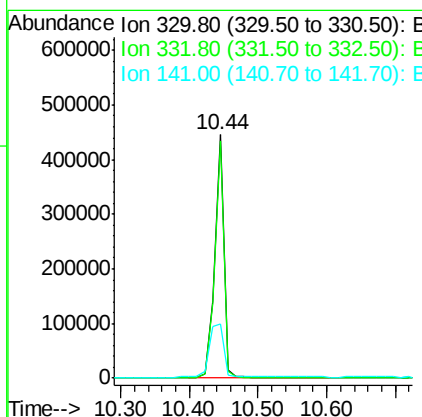
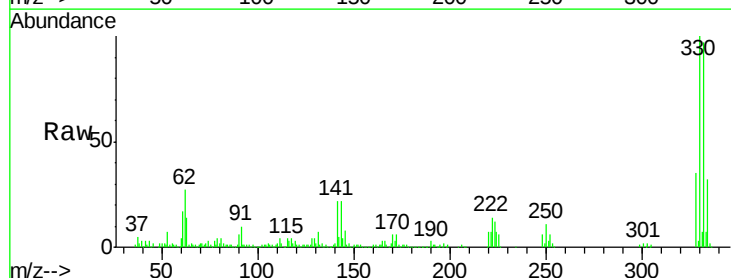
Instrument :  
BNA\_F  
ClientSampleId :  
MW-01

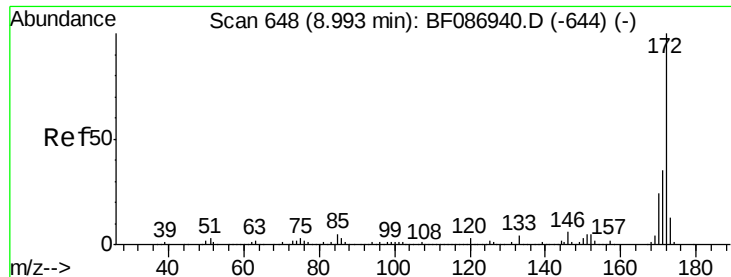
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.8 | 82.8  | 124.2 |
| 160     | 46.4  | 36.9  | 55.3  |



#41  
2,4,6-Tribromophenol  
Concen: 160.27 ng  
RT: 10.44 min Scan# 775  
Delta R.T. -0.00 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 96.5  | 79.0  | 118.4 |
| 141     | 34.9  | 31.2  | 46.8  |

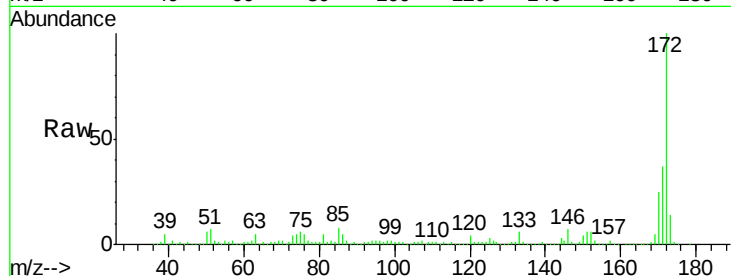




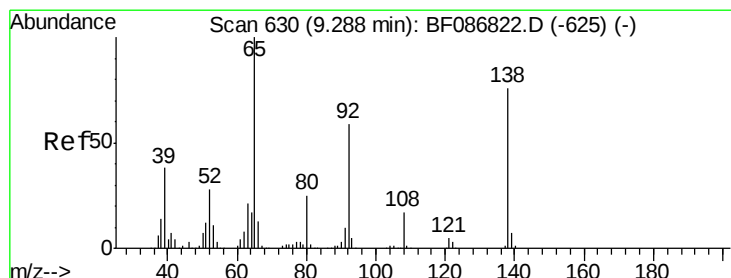
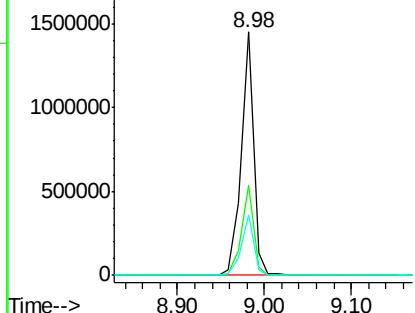
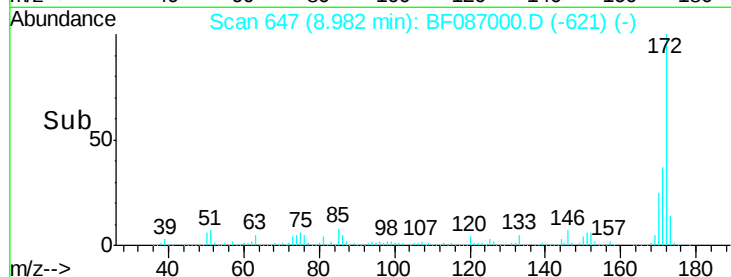
#44  
 2-Fluorobiphenyl  
 Concen: 95.72 ng  
 RT: 8.98 min Scan# 647  
 Delta R.T. -0.00 min  
 Lab File: BF087000.D  
 Acq: 14 May 2016 5:36

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-01

Tgt Ion: 172 Resp: 1430959  
 Ion Ratio Lower Upper  
 172 100  
 171 36.9 29.0 43.6  
 170 24.8 19.8 29.8

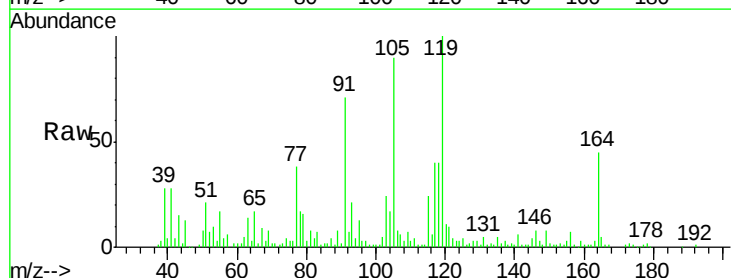


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

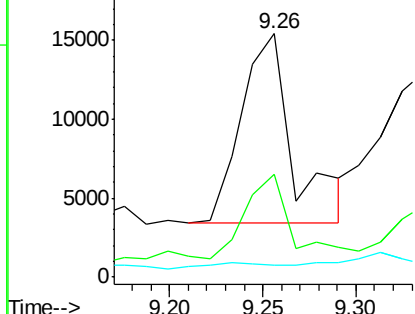
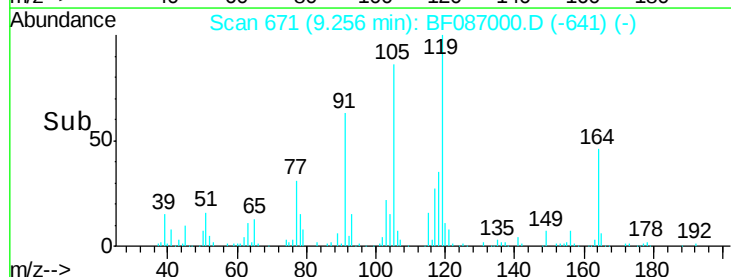


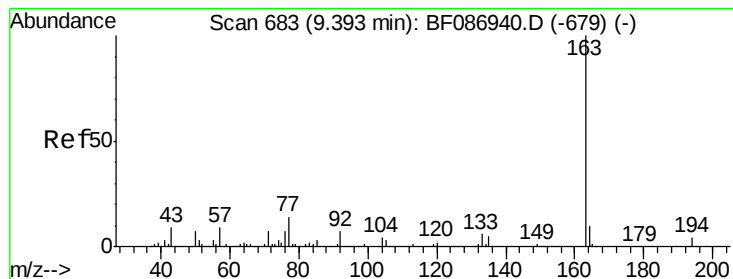
#47  
 2-Nitroaniline  
 Concen: 4.04 ng  
 RT: 9.26 min Scan# 671  
 Delta R.T. 0.05 min  
 Lab File: BF087000.D  
 Acq: 14 May 2016 5:36

Tgt Ion: 65 Resp: 23112  
 Ion Ratio Lower Upper  
 65 100  
 92 42.1 57.4 86.2#  
 138 4.8 90.1 135.1#



Abundance Ion 65.00 (64.70 to 65.70): BF0  
 Ion 92.00 (91.70 to 92.70): BF0  
 Ion 138.00 (137.70 to 138.70): E





#49

Dimethylphthalate

Concen: 3.21 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

Instrument :

BNA\_F

ClientSampled :

MW-01

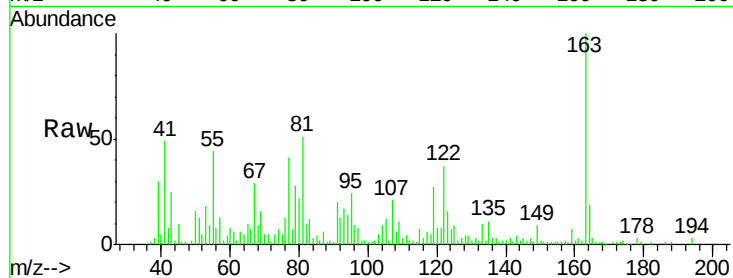
Tgt Ion:163 Resp: 61518

Ion Ratio Lower Upper

163 100

194 3.4 2.6 4.0

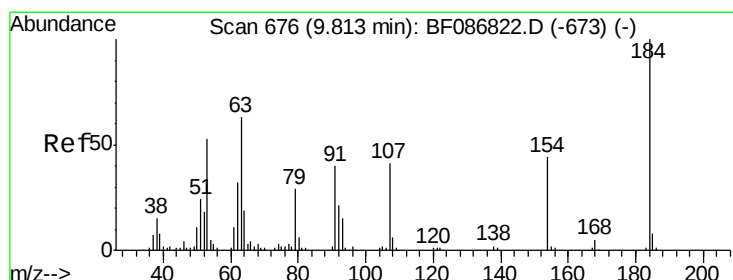
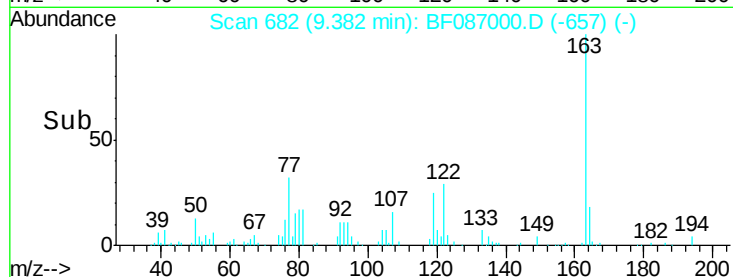
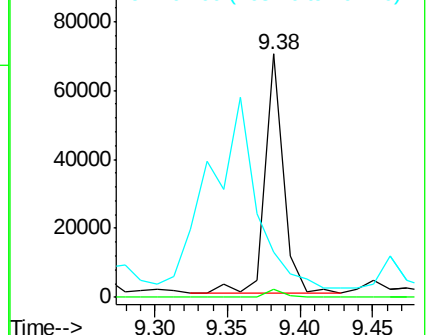
164 18.8 8.2 12.4#



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



#53

2,4-Dinitrophenol

Concen: 8.42 ng

RT: 9.80 min Scan# 719

Delta R.T. 0.07 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

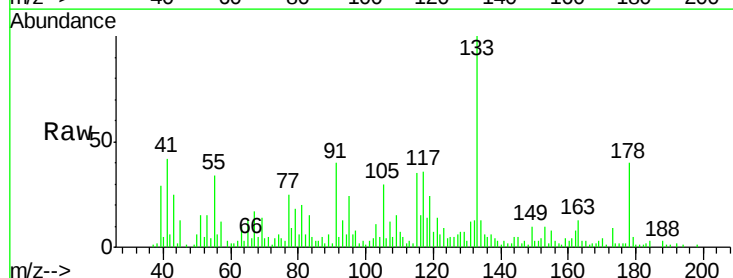
Tgt Ion:184 Resp: 1665

Ion Ratio Lower Upper

184 100

63 315.5 55.8 83.8#

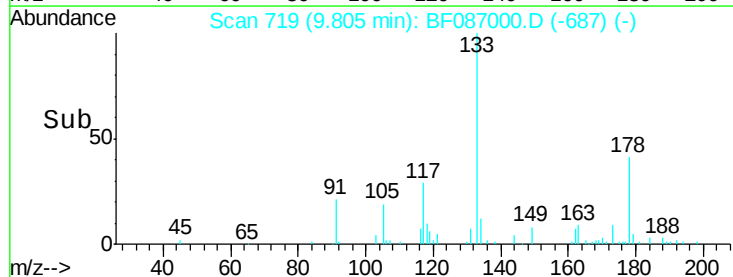
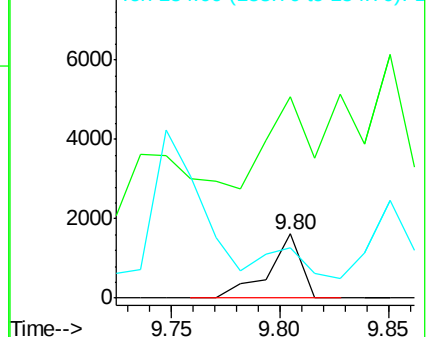
154 79.1 62.4 93.6

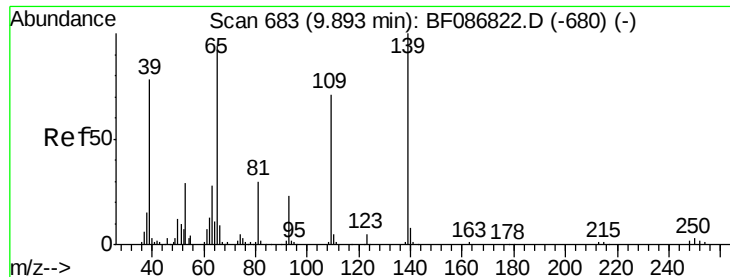


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#55

4-Nitrophenol

Concen: 5.67 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.06 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

Instrument :

BNA\_F

ClientSampleId :

MW-01

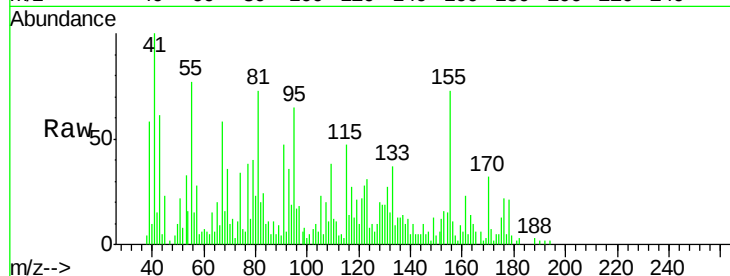
Tgt Ion:139 Resp: 3341

Ion Ratio Lower Upper

139 100

109 311.5 36.9 76.9#

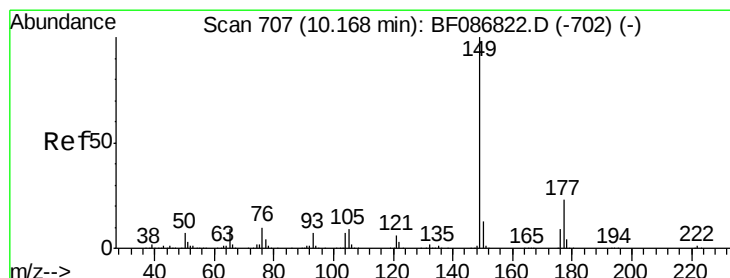
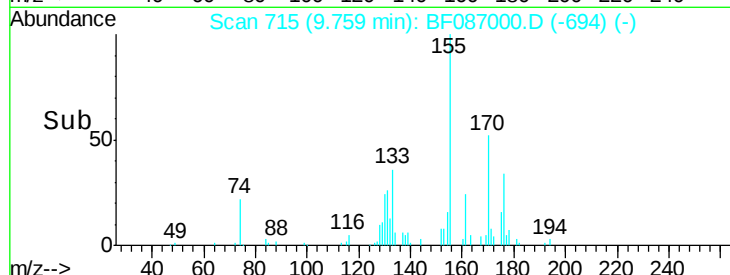
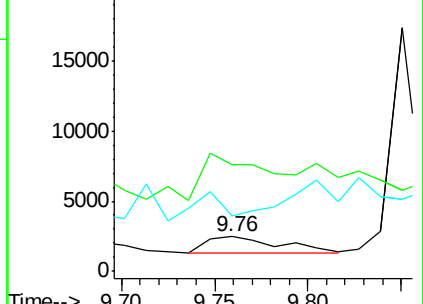
65 160.6 64.0 104.0#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#59

Diethylphthalate

Concen: 2.38 ng

RT: 10.06 min Scan# 741

Delta R.T. -0.03 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

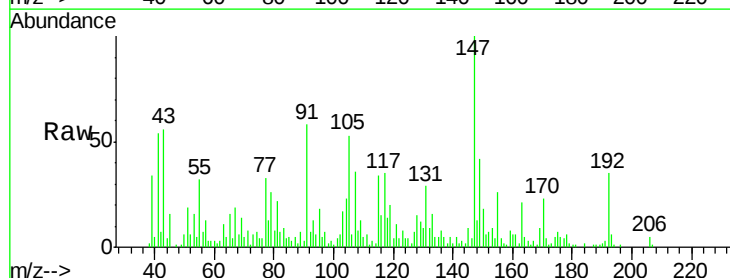
Tgt Ion:149 Resp: 44465

Ion Ratio Lower Upper

149 100

177 8.4 16.6 24.8#

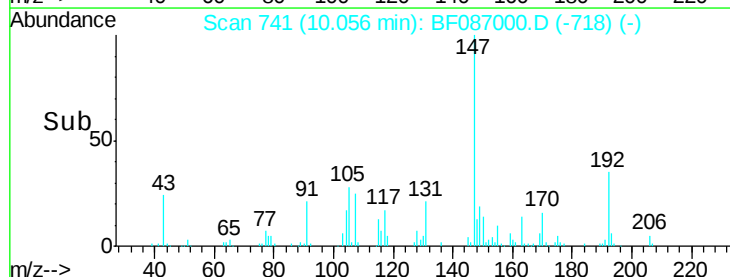
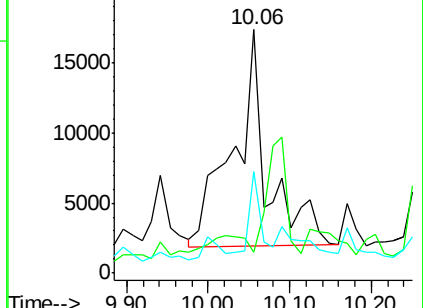
150 42.0 10.0 15.0#

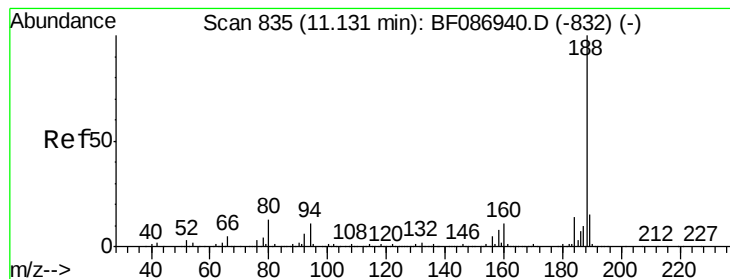


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.13 min Scan# 835

Delta R.T. -0.00 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

Instrument :

BNA\_F

ClientSampleId :

MW-01

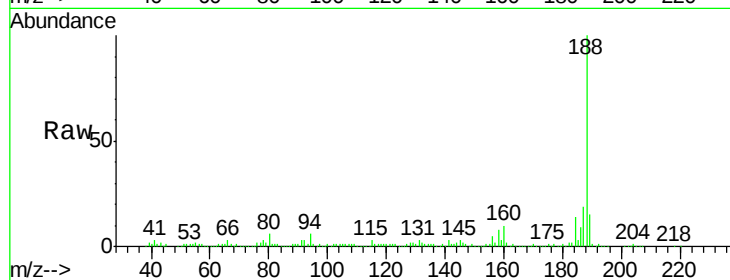
Tgt Ion:188 Resp: 473063

Ion Ratio Lower Upper

188 100

94 6.2 6.8 10.2#

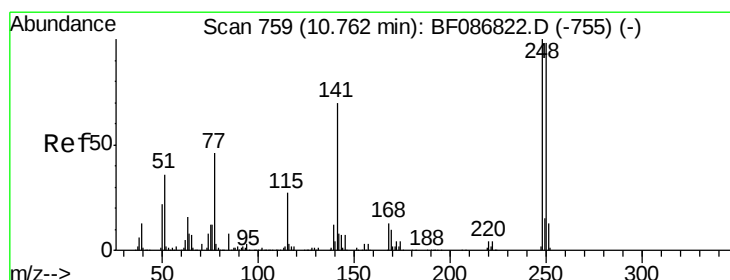
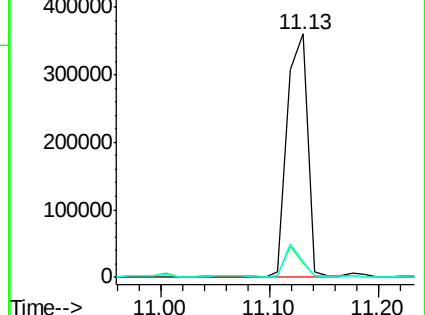
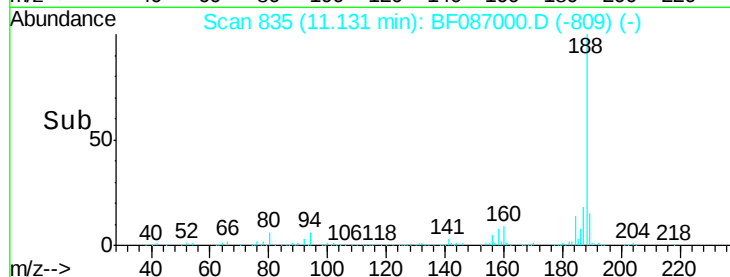
80 6.3 7.1 10.7#



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: 5.47 ng

RT: 10.44 min Scan# 775

Delta R.T. -0.24 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

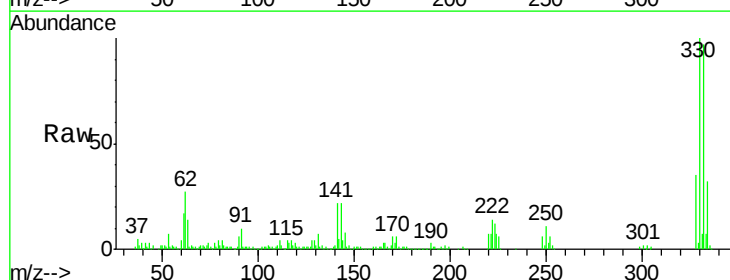
Tgt Ion:248 Resp: 26255

Ion Ratio Lower Upper

248 100

250 197.7 78.6 117.8#

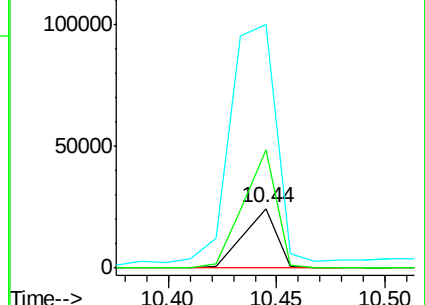
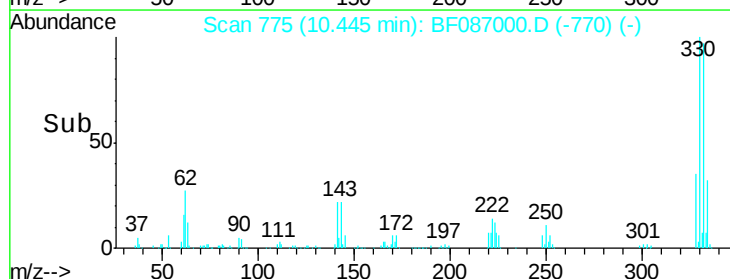
141 406.4 76.0 114.0#

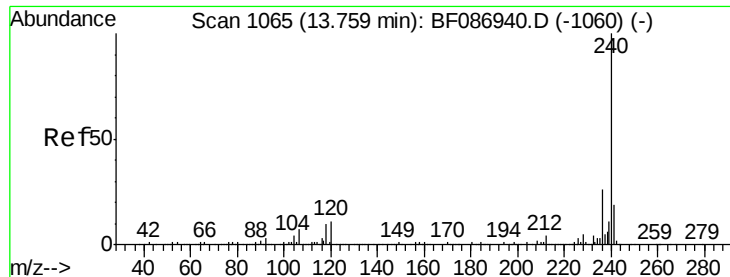


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.75 min Scan# 1064

Delta R.T. -0.01 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

Instrument :

BNA\_F

ClientSampleId :

MW-01

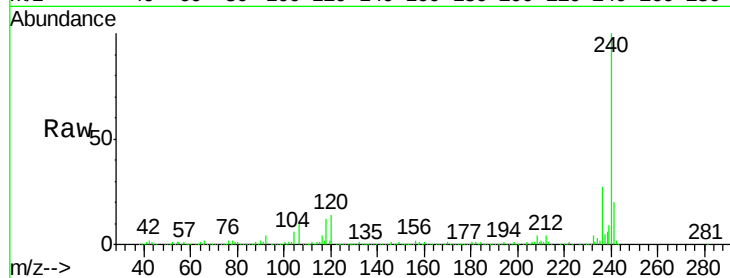
Tgt Ion:240 Resp: 349994

Ion Ratio Lower Upper

240 100

120 13.8 11.2 16.8

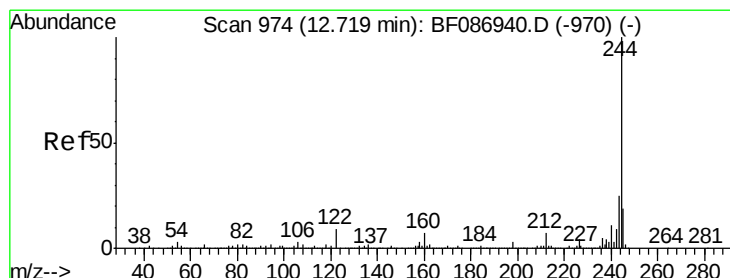
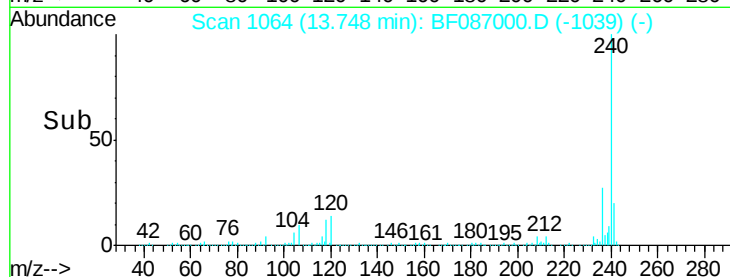
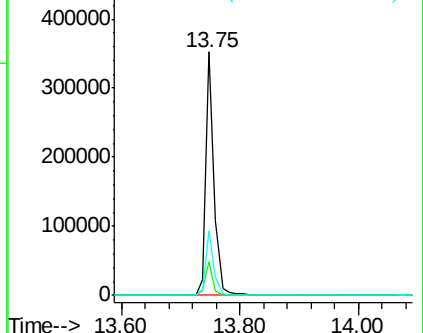
236 26.6 21.2 31.8



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: 67.30 ng

RT: 12.71 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF087000.D

Acq: 14 May 2016 5:36

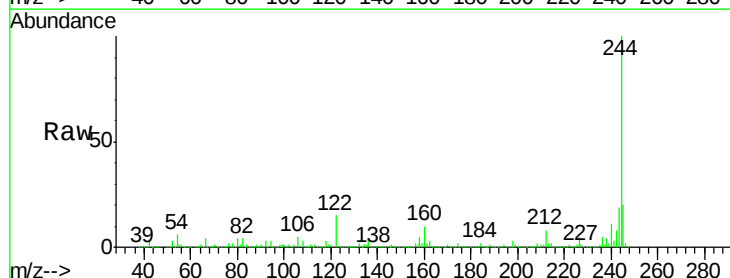
Tgt Ion:244 Resp: 1110224

Ion Ratio Lower Upper

244 100

212 8.3 6.2 9.2

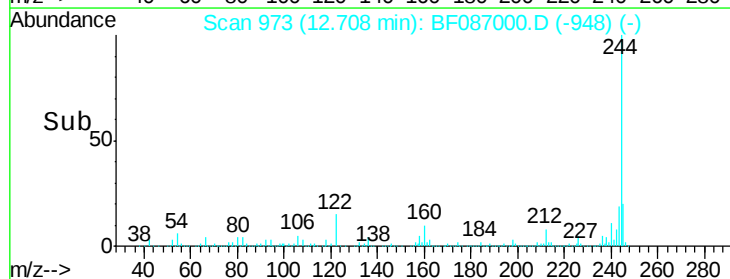
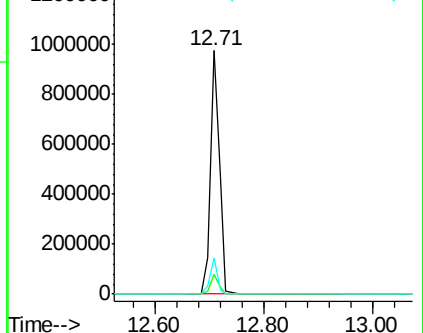
122 14.9 12.0 18.0

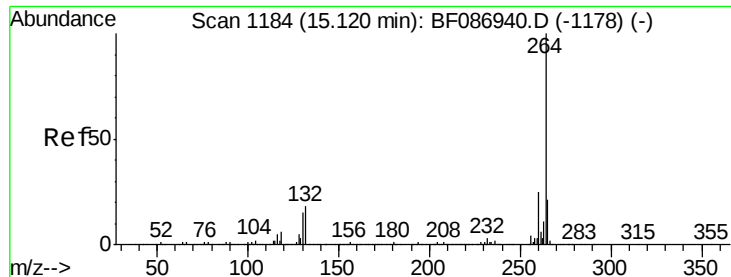


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.01 min  
Lab File: BF087000.D  
Acq: 14 May 2016 5:36

Instrument :  
BNA\_F  
ClientSampleId :  
MW-01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.4  | 19.5  | 29.3  |
| 265     | 21.6  | 17.3  | 25.9  |

