

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
 Data File : BF084401.D  
 Acq On : 12 Jan 2016 1:50  
 Operator : SJ/UM  
 Sample : H1066-03  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11

Quant Time: Jan 12 02:24:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Jan 04 12:22:40 2016  
 Response via : Initial Calibration

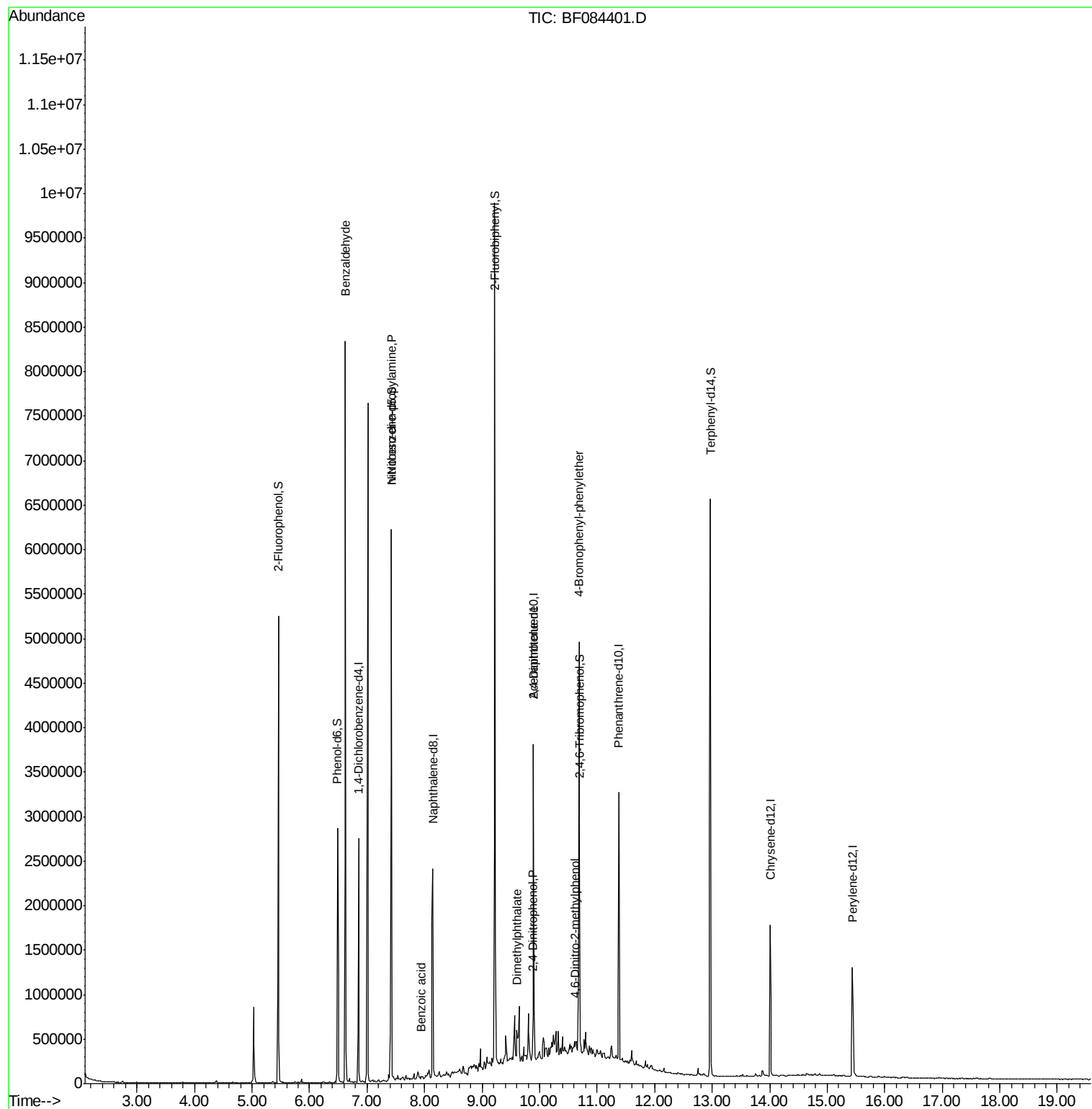
| Internal Standards             | R.T.  | QIon | Response | Conc      | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-----------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.85  | 152  | 378666   | 20.00     | ng    | -0.05    |
| 21) Naphthalene-d8             | 8.14  | 136  | 1425610  | 20.00     | ng    | -0.05    |
| 38) Acenaphthene-d10           | 9.89  | 164  | 639384   | 20.00     | ng    | -0.06    |
| 63) Phenanthrene-d10           | 11.38 | 188  | 1037685  | 20.00     | ng    | -0.05    |
| 75) Chrysene-d12               | 14.01 | 240  | 681586   | 20.00     | ng    | -0.06    |
| 86) Perylene-d12               | 15.44 | 264  | 596802   | 20.00     | ng    | -0.07    |
| System Monitoring Compounds    |       |      |          |           |       |          |
| 5) 2-Fluorophenol              | 5.46  | 112  | 1326087  | 56.64     | ng    | -0.03    |
| 7) Phenol-d6                   | 6.49  | 99   | 1050299  | 35.72     | ng    | -0.05    |
| 23) Nitrobenzene-d5            | 7.42  | 82   | 2362543  | 92.23     | ng    | -0.05    |
| 41) 2,4,6-Tribromophenol       | 10.69 | 330  | 769027   | 119.13    | ng    | -0.05    |
| 44) 2-Fluorobiphenyl           | 9.22  | 172  | 2980235  | 81.75     | ng    | -0.05    |
| 78) Terphenyl-d14              | 12.97 | 244  | 2145193  | 70.25     | ng    | -0.05    |
| Target Compounds               |       |      |          |           |       |          |
| 9) Benzaldehyde                | 6.62  | 77   | 54252    | 2.83      | ng    | # 75     |
| 19) n-Nitroso-di-n-propylamine | 7.42  | 70   | 332564   | 16.71     | ng    | # 75     |
| 32) Benzoic acid               | 7.94  | 122  | 758      | 6.29      | ng    | # 47     |
| 49) Dimethylphthalate          | 9.61  | 163  | 172702   | 3.78      | ng    | # 88     |
| 53) 2,4-Dinitrophenol          | 9.88  | 184  | 248      | 3.61      | ng    | # 1      |
| 54) Dibenzofuran               | 10.10 | 168  | 3069     | Below Cal | #     | 33       |
| 56) 2,4-Dinitrotoluene         | 9.89  | 165  | 83592    | 6.59      | ng    | # 24     |
| 57) Fluorene                   | 10.44 | 166  | 1566     | Below Cal | #     | 88       |
| 60) 4-Chlorophenyl-phenylether | 10.45 | 204  | 2679     | Below Cal | #     | 17       |
| 64) 4,6-Dinitro-2-methylphenol | 10.62 | 198  | 256      | 6.46      | ng    | # 1      |
| 66) 4-Bromophenyl-phenylether  | 10.68 | 248  | 47543    | 4.26      | ng    | # 1      |
| 73) Di-n-butylphthalate        | 11.94 | 149  | 15078    | Below Cal | #     | 89       |

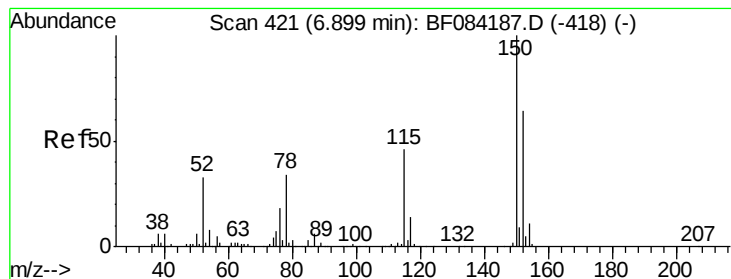
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF011116\  
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BNA\_F  
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Quant Time: Jan 12 02:24:48 2016  
Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF123115.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Jan 04 12:22:40 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.85 min Scan# 417

Delta R.T. -0.05 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

Instrument :

BNA\_F

ClientSampleId :

MW-11

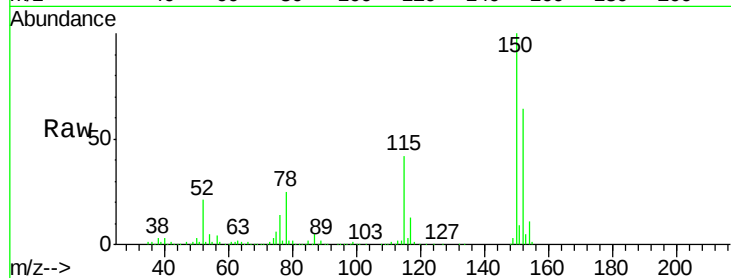
Tgt Ion:152 Resp: 378666

Ion Ratio Lower Upper

152 100

150 155.1 123.0 184.4

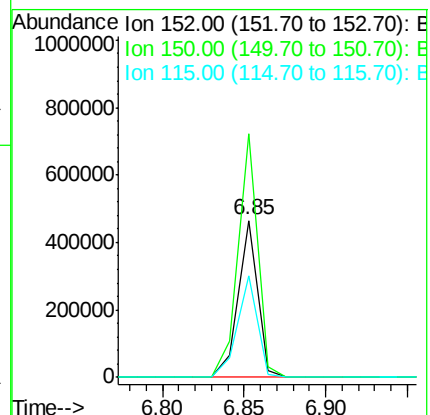
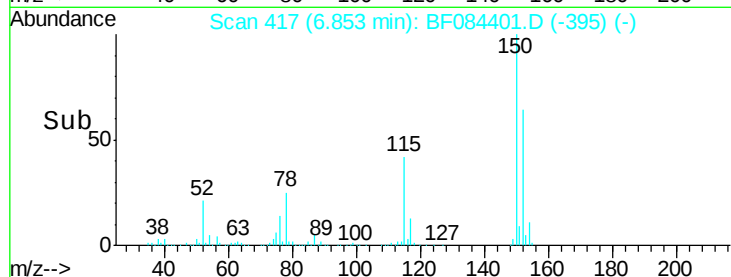
115 64.6 51.4 77.2



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: 56.64 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.03 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

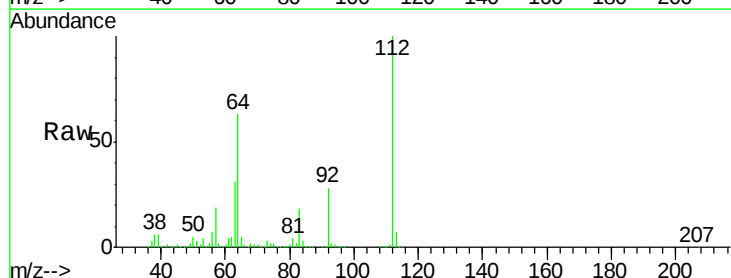
Tgt Ion:112 Resp: 1326087

Ion Ratio Lower Upper

112 100

64 62.8 36.6 55.0#

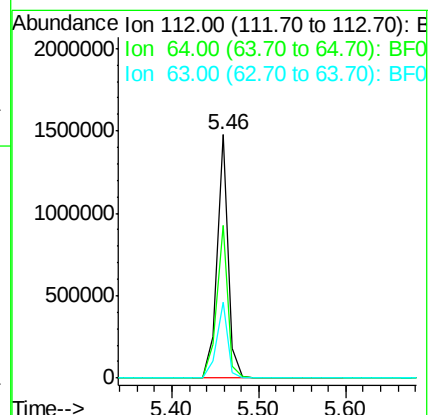
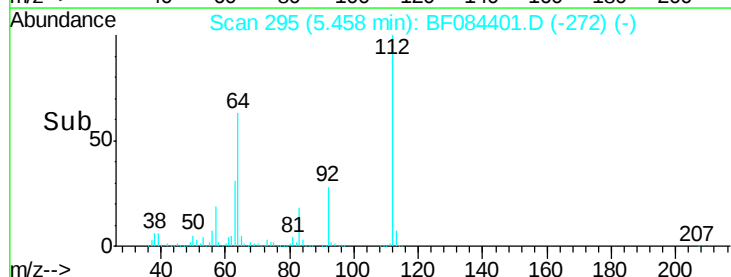
63 31.4 19.4 29.0#

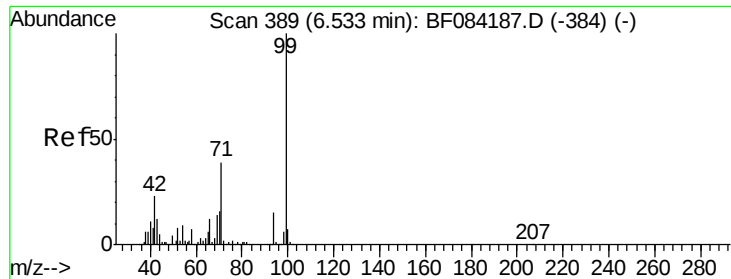


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.72 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.05 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

Instrument :

BNA\_F

ClientSampleId :

MW-11

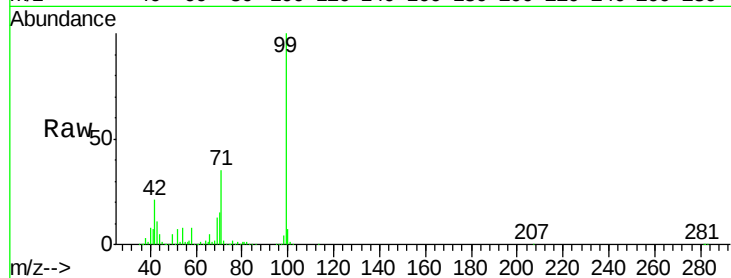
Tgt Ion: 99 Resp: 1050299

Ion Ratio Lower Upper

99 100

42 21.1 12.8 19.2#

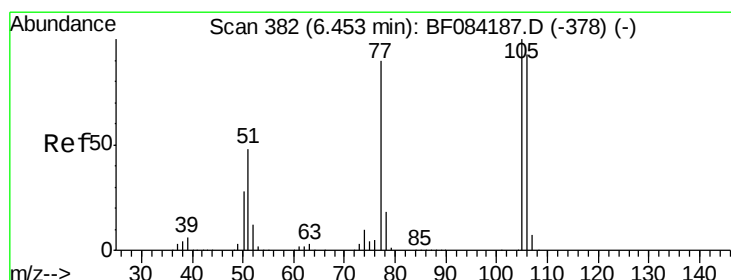
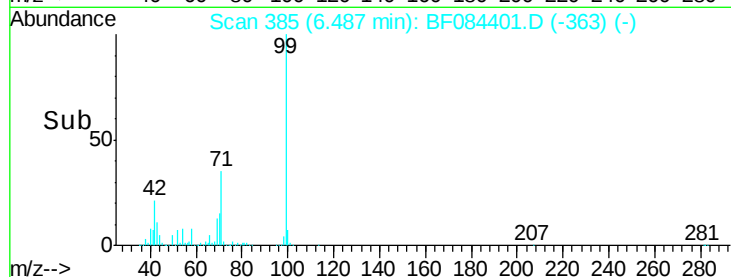
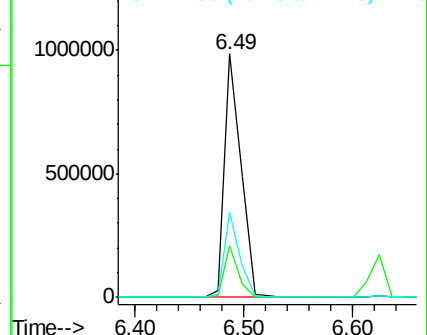
71 34.9 30.9 46.3



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



#9

Benzaldehyde

Concen: 2.83 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.17 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

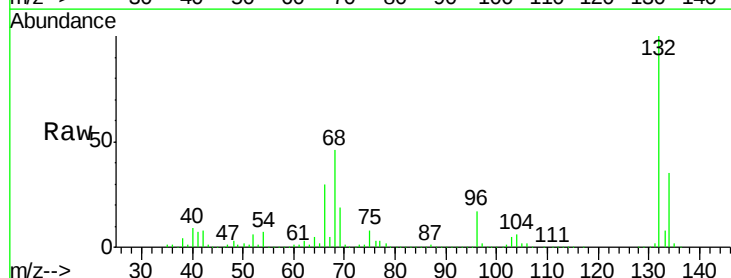
Tgt Ion: 77 Resp: 54252

Ion Ratio Lower Upper

77 100

105 77.5 83.0 123.0#

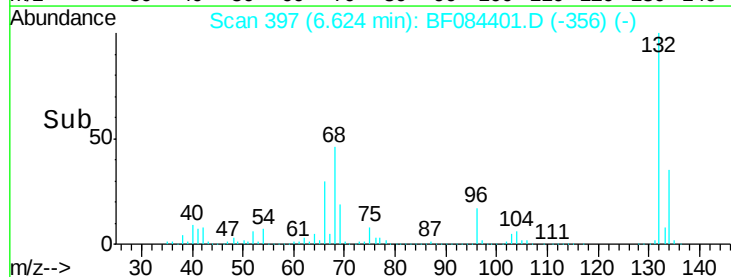
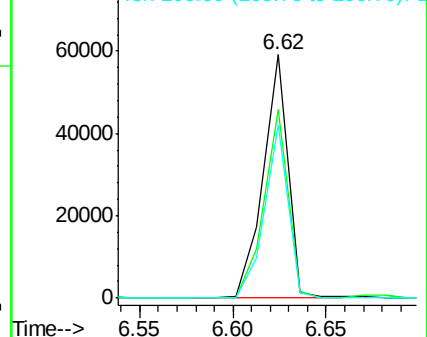
106 71.1 74.6 114.6#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

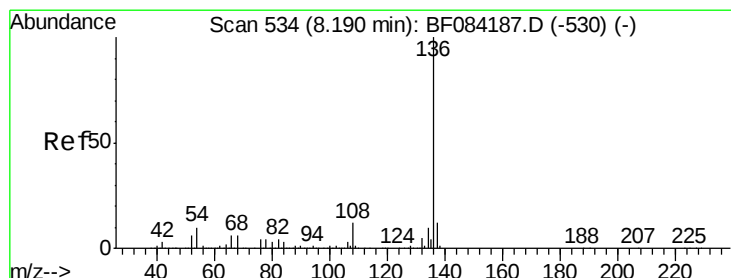
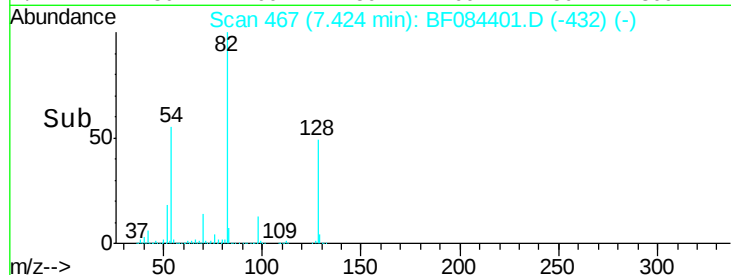
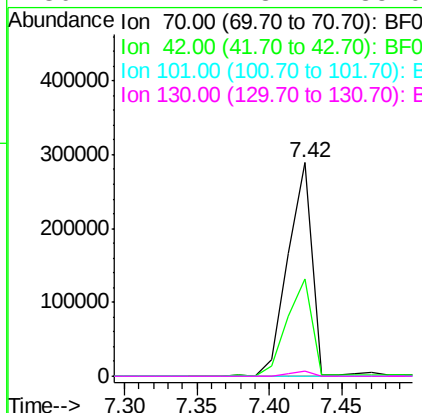
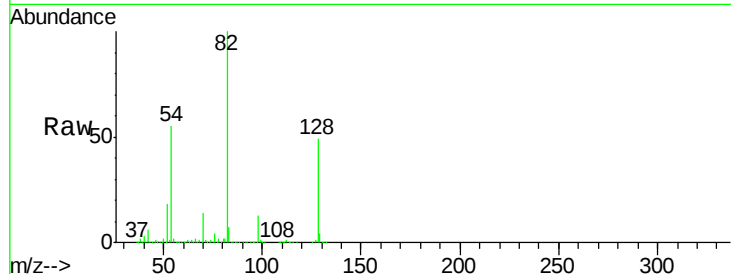




#19  
n-Nitroso-di-n-propylamine  
Concen: 16.71 ng  
RT: 7.42 min Scan# 467  
Delta R.T. 0.10 min  
Lab File: BF084401.D  
Acq: 12 Jan 2016 1:50

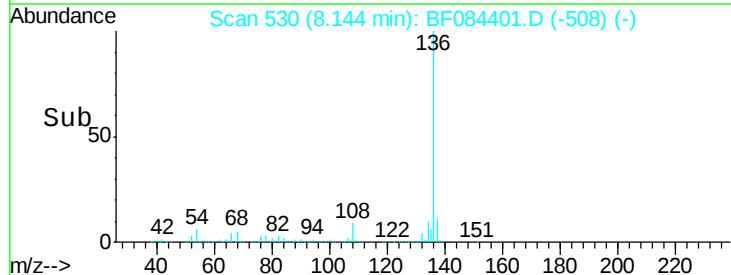
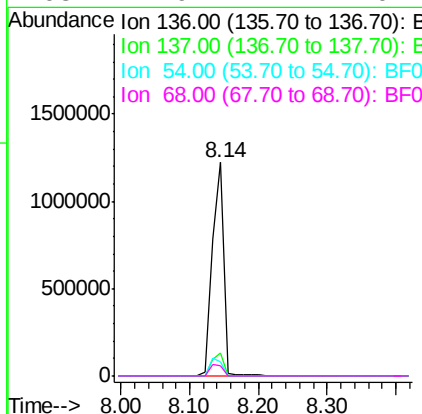
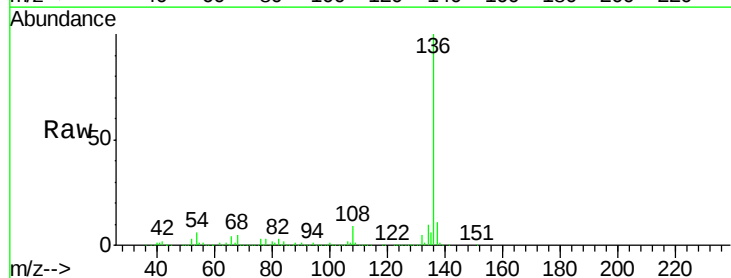
Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

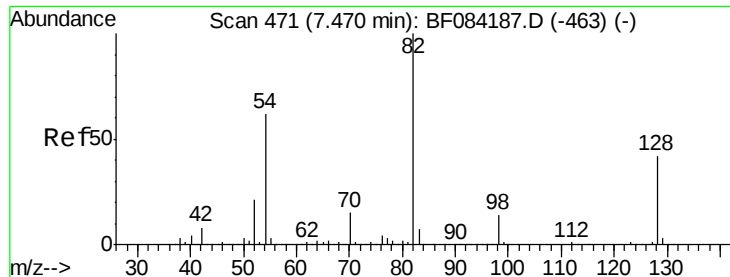
Tgt Ion: 70 Resp: 332564  
Ion Ratio Lower Upper  
70 100  
42 45.3 33.3 49.9  
101 0.1 9.3 13.9#  
130 2.2 23.4 35.0#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.14 min Scan# 530  
Delta R.T. -0.05 min  
Lab File: BF084401.D  
Acq: 12 Jan 2016 1:50

Tgt Ion:136 Resp: 1425610  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.7 13.1  
54 6.5 5.8 8.8  
68 4.9 4.2 6.2

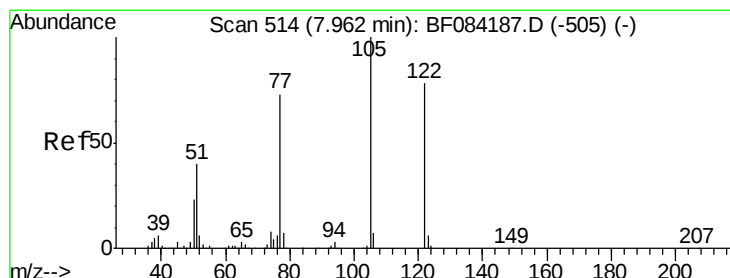
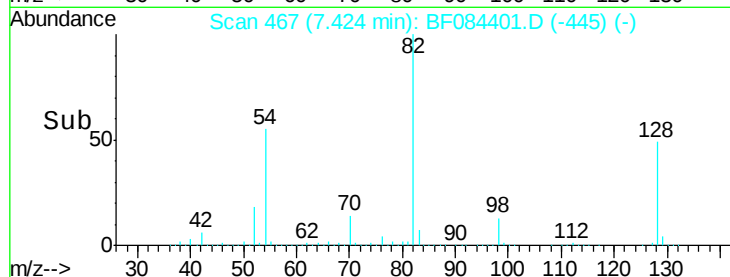
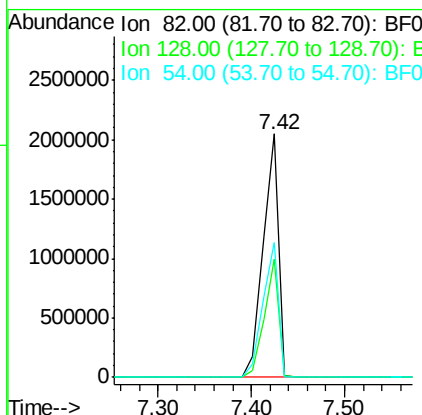
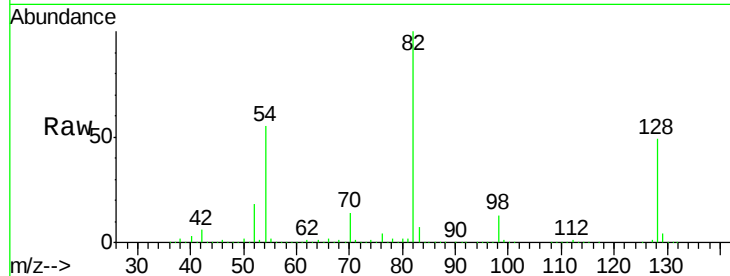




#23  
 Nitrobenzene-d5  
 Concen: 92.23 ng  
 RT: 7.42 min Scan# 467  
 Delta R.T. -0.05 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

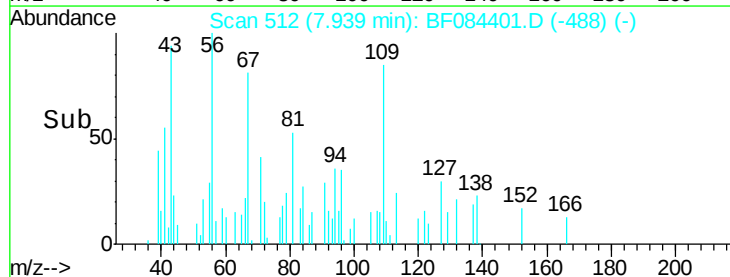
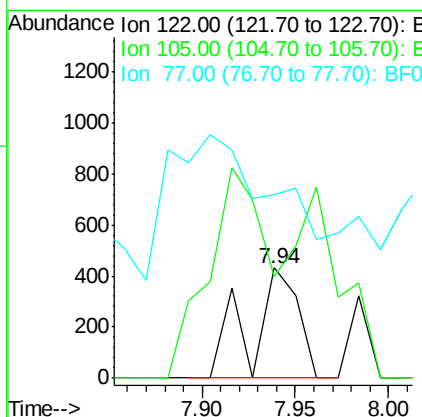
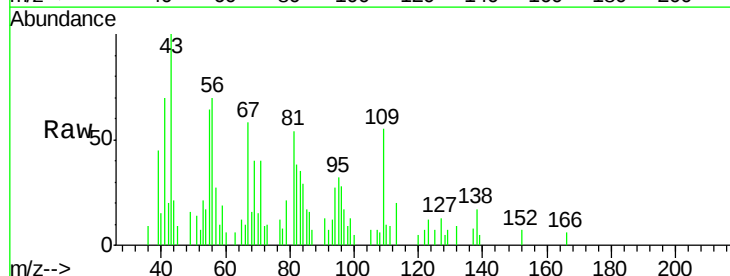
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11

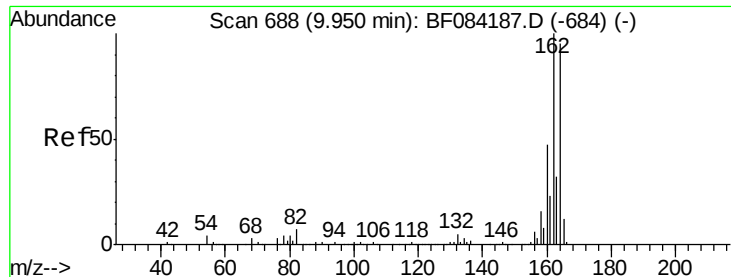
Tgt Ion: 82 Resp: 2362543  
 Ion Ratio Lower Upper  
 82 100  
 128 48.7 34.6 51.8  
 54 55.1 38.4 57.6



#32  
 Benzoic acid  
 Concen: 6.29 ng  
 RT: 7.94 min Scan# 512  
 Delta R.T. -0.02 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

Tgt Ion: 122 Resp: 758  
 Ion Ratio Lower Upper  
 122 100  
 105 92.4 100.3 140.3#  
 77 166.7 63.5 103.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.06 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

Instrument :

BNA\_F

ClientSampleId :

MW-11

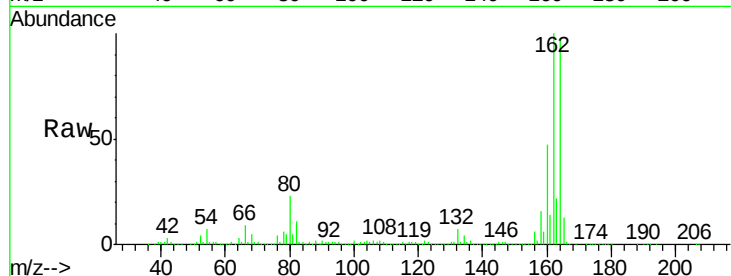
Tgt Ion:164 Resp: 639384

Ion Ratio Lower Upper

164 100

162 103.0 85.1 127.7

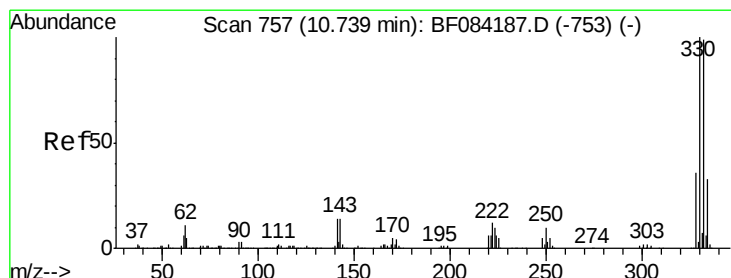
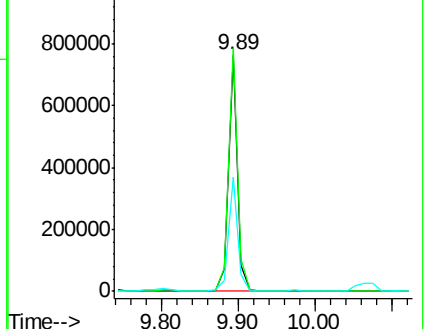
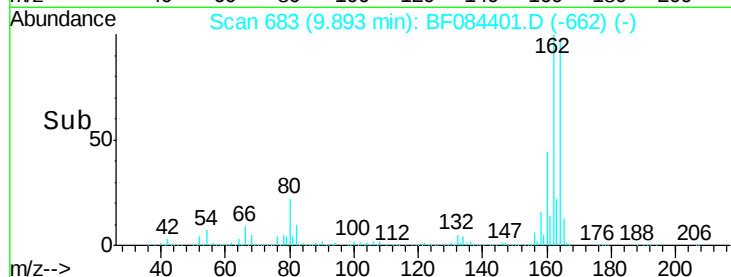
160 48.6 37.5 56.3



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: 119.13 ng

RT: 10.69 min Scan# 753

Delta R.T. -0.05 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

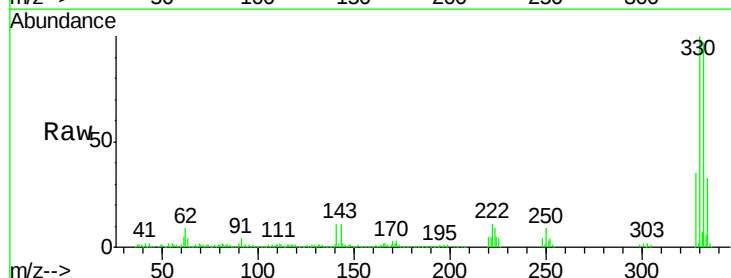
Tgt Ion:330 Resp: 769027

Ion Ratio Lower Upper

330 100

332 97.6 76.6 114.8

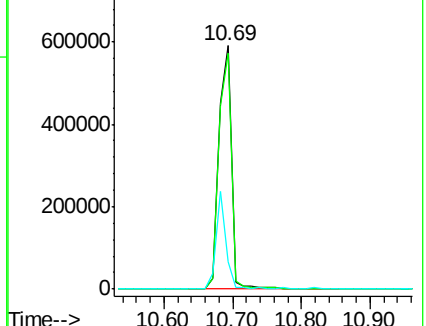
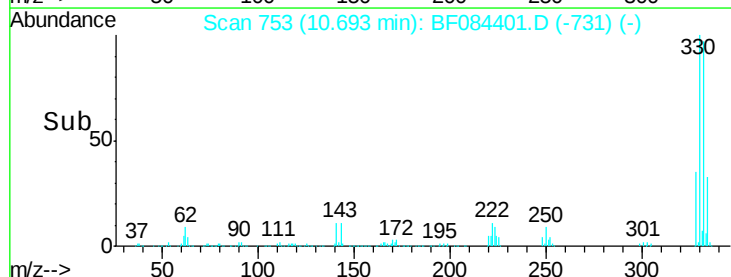
141 31.2 27.8 41.6

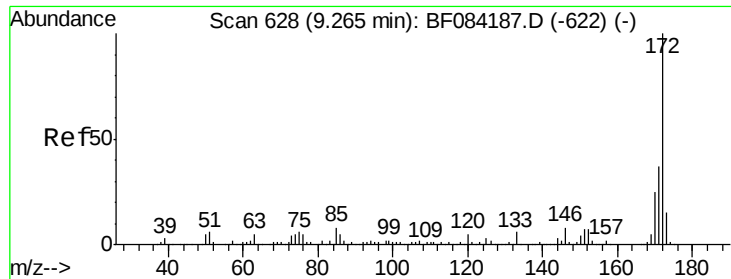


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

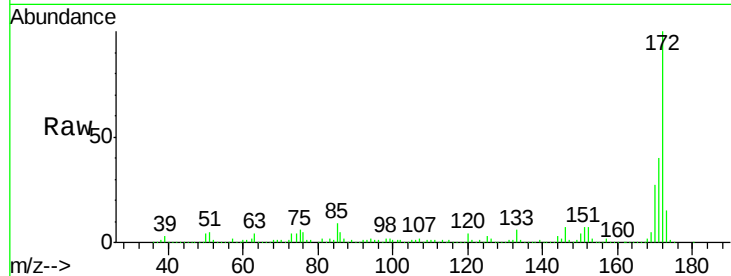




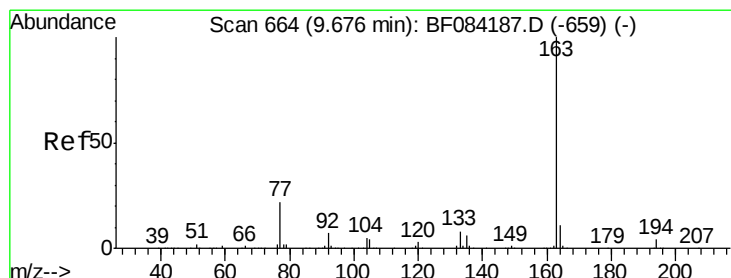
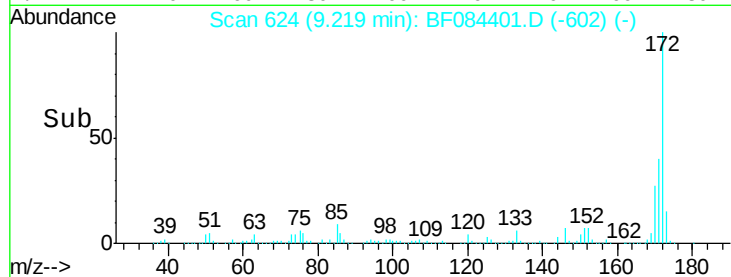
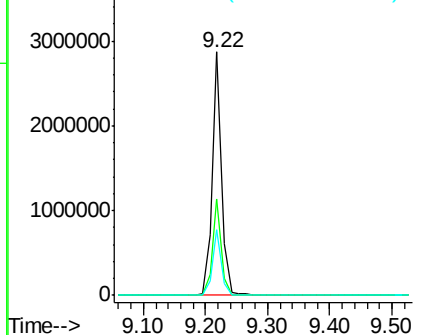
#44  
 2-Fluorobiphenyl  
 Concen: 81.75 ng  
 RT: 9.22 min Scan# 624  
 Delta R.T. -0.05 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11

Tgt Ion:172 Resp: 2980235  
 Ion Ratio Lower Upper  
 172 100  
 171 39.6 28.9 43.3  
 170 27.1 18.6 27.8

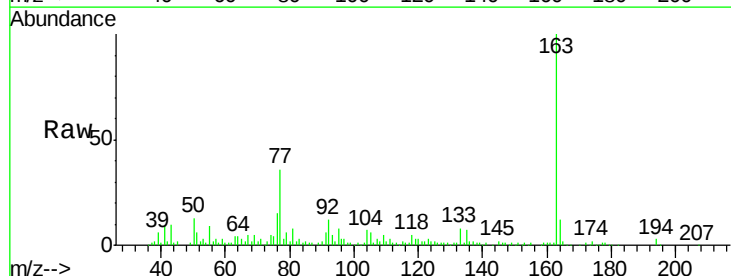


Abundance Ion 172.00 (171.70 to 172.70): E  
 Ion 171.00 (170.70 to 171.70): E  
 Ion 170.00 (169.70 to 170.70): E

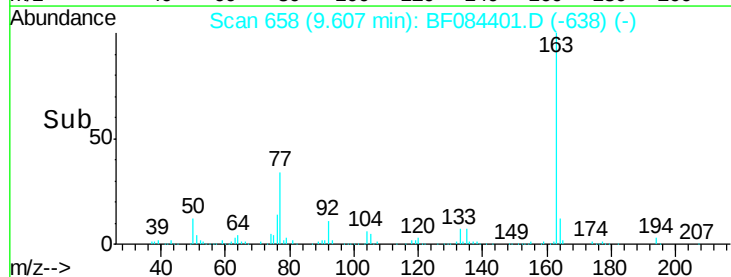
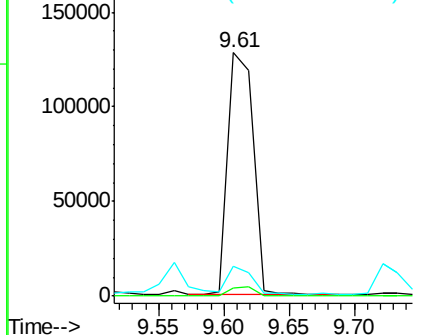


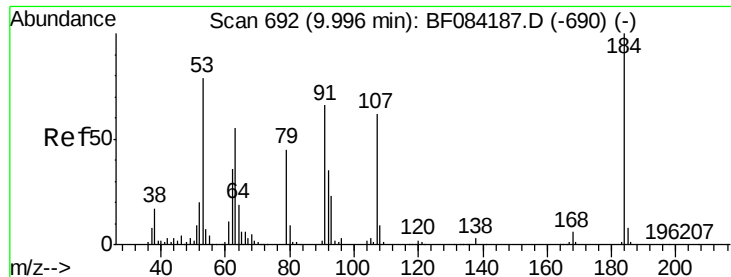
#49  
 Dimethylphthalate  
 Concen: 3.78 ng  
 RT: 9.61 min Scan# 658  
 Delta R.T. -0.07 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

Tgt Ion:163 Resp: 172702  
 Ion Ratio Lower Upper  
 163 100  
 194 3.1 8.0 12.0#  
 164 12.3 8.0 12.0#



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

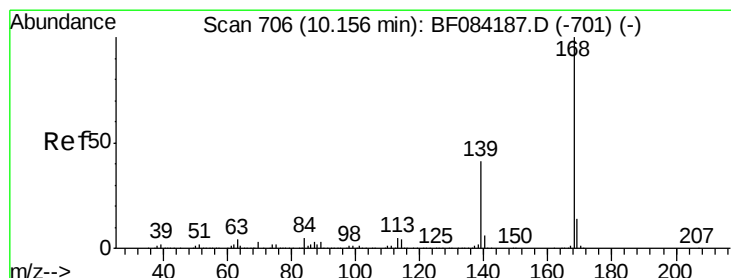
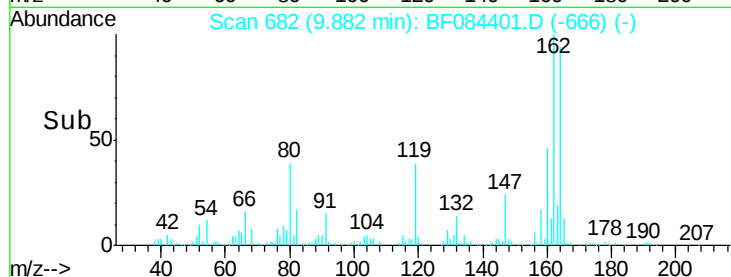
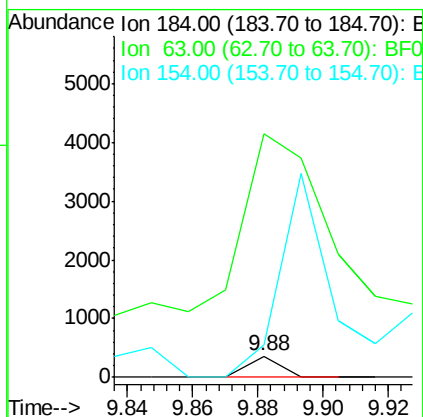
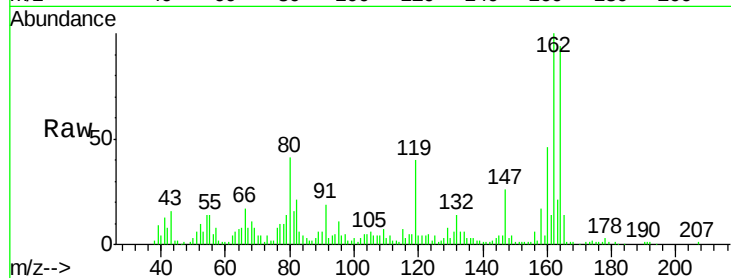




#53  
 2,4-Dinitrophenol  
 Concen: 3.61 ng  
 RT: 9.88 min Scan# 682  
 Delta R.T. -0.11 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

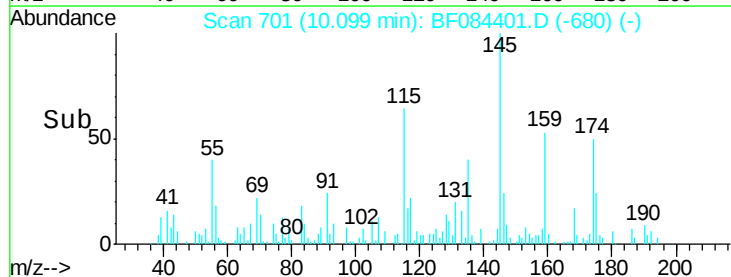
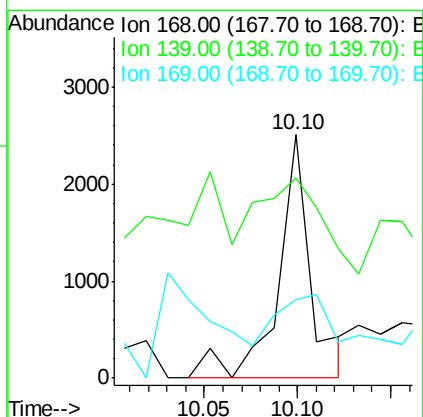
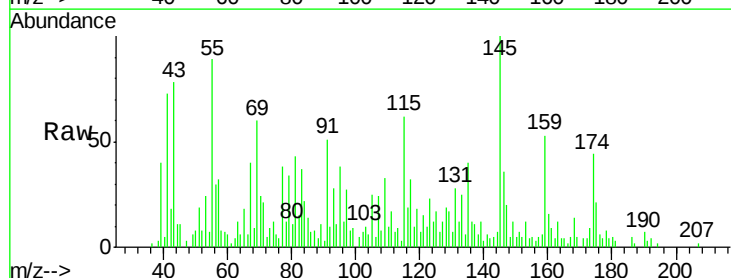
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11

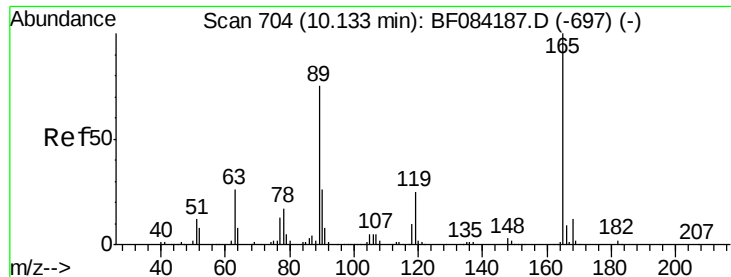
Tgt Ion:184 Resp: 248  
 Ion Ratio Lower Upper  
 184 100  
 63 1145.0 43.1 64.7#  
 154 151.4 60.5 90.7#



#54  
 Dibenzofuran  
 Concen: Below Cal  
 RT: 10.10 min Scan# 701  
 Delta R.T. -0.06 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

Tgt Ion:168 Resp: 3069  
 Ion Ratio Lower Upper  
 168 100  
 139 82.3 30.5 45.7#  
 169 32.0 10.4 15.6#

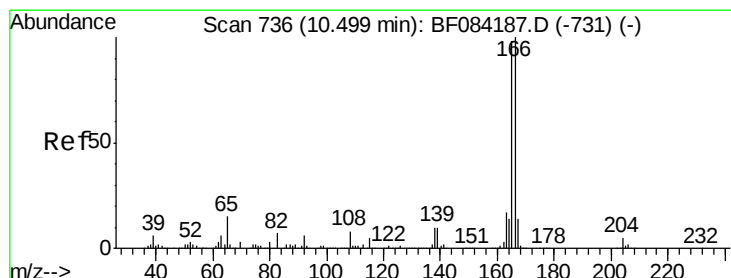
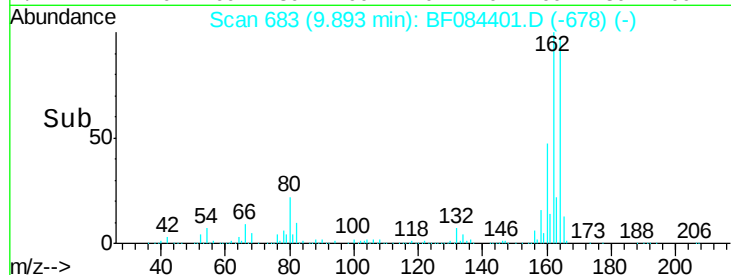
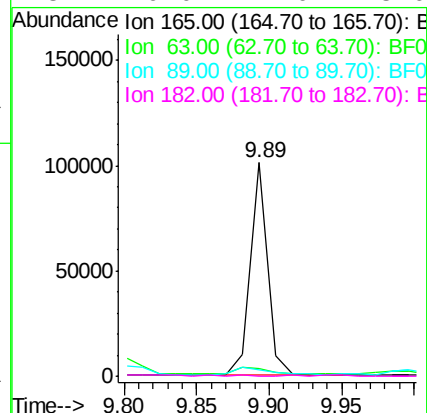
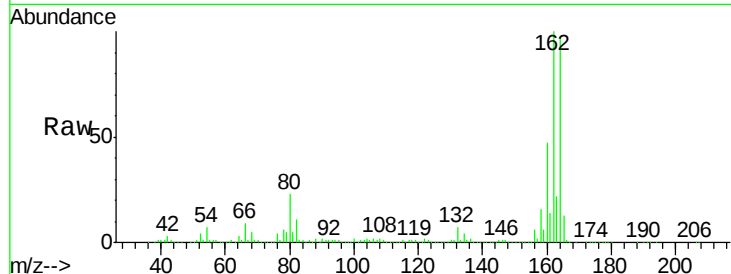




#56  
 2,4-Dinitrotoluene  
 Concen: 6.59 ng  
 RT: 9.89 min Scan# 683  
 Delta R.T. -0.24 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

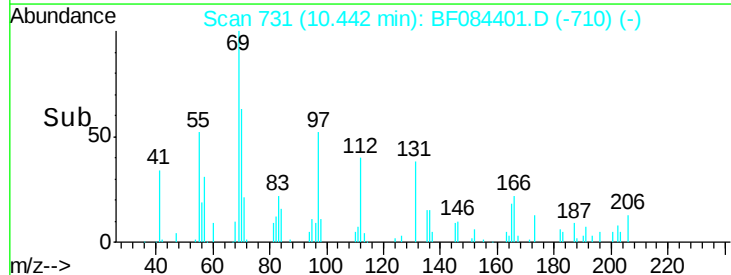
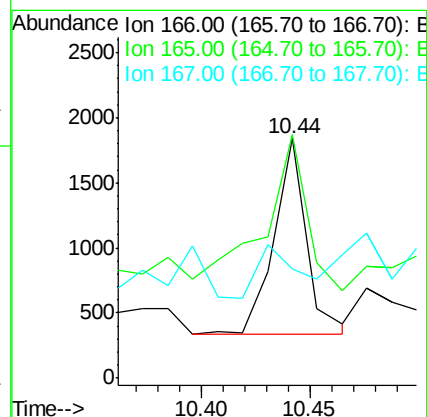
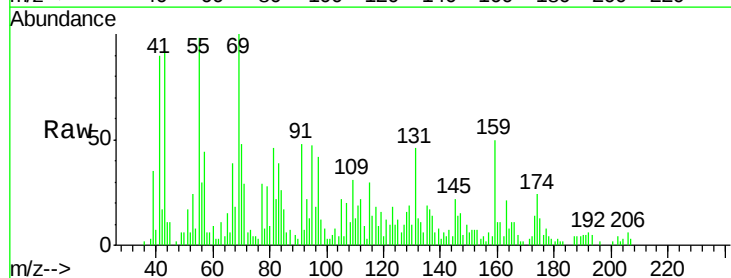
Instrument :  
 BNA\_F  
 ClientSampleId :  
 MW-11

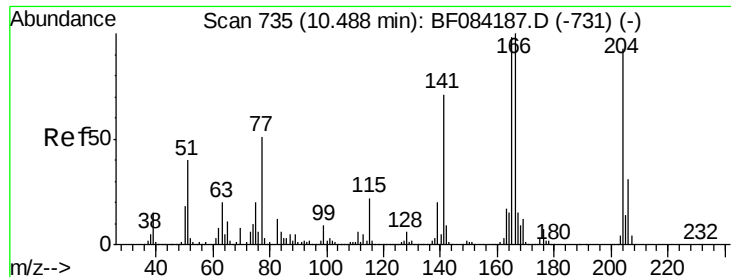
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 3.7   | 36.7  | 55.1# |
| 89      | 2.8   | 61.9  | 92.9# |
| 182     | 0.0   | 2.0   | 3.0#  |



#57  
 Fluorene  
 Concen: Below Cal  
 RT: 10.44 min Scan# 731  
 Delta R.T. -0.06 min  
 Lab File: BF084401.D  
 Acq: 12 Jan 2016 1:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 166     | 100   |       |       |
| 165     | 101.7 | 79.1  | 118.7 |
| 167     | 45.9  | 10.4  | 15.6# |





#60

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.45 min Scan# 732

Delta R.T. -0.03 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

Instrument :

BNA\_F

ClientSampleId :

MW-11

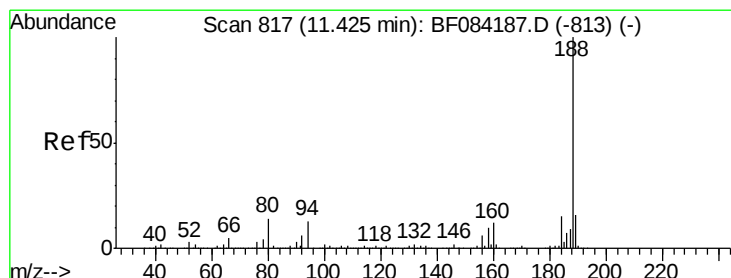
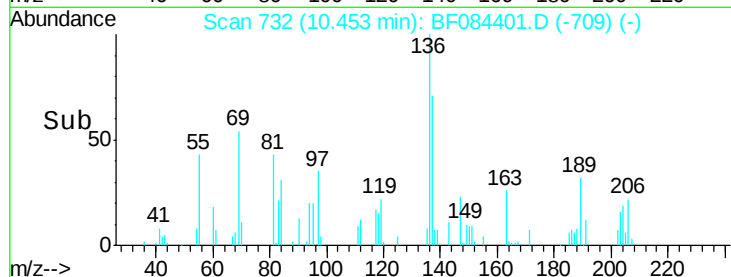
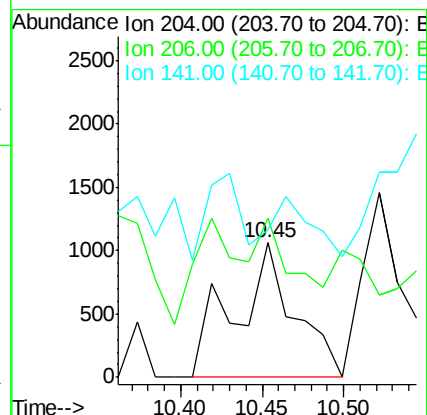
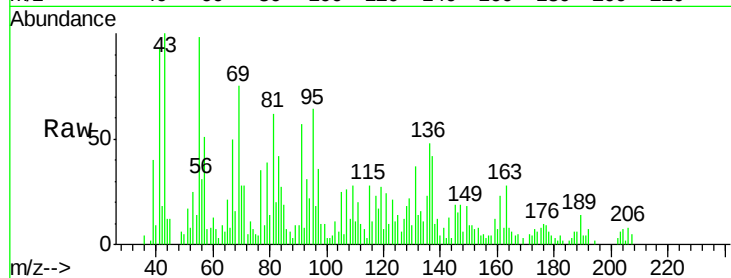
Tgt Ion:204 Resp: 2679

Ion Ratio Lower Upper

204 100

206 117.9 25.7 38.5#

141 109.9 55.1 82.7#



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.05 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

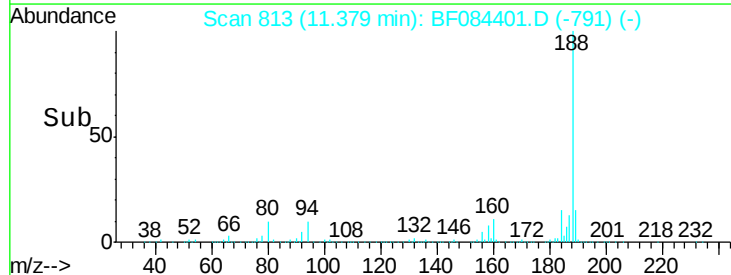
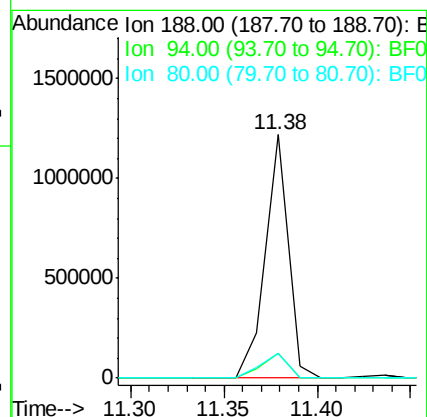
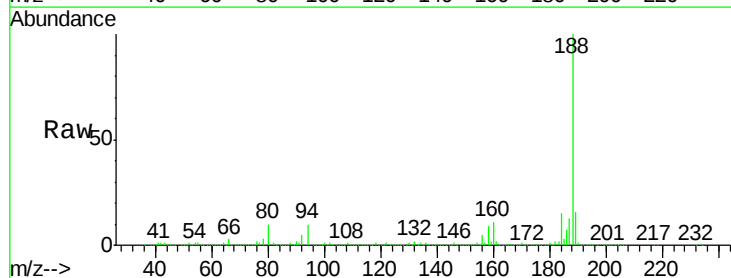
Tgt Ion:188 Resp: 1037685

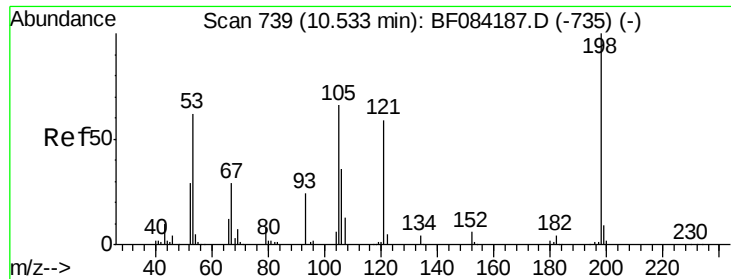
Ion Ratio Lower Upper

188 100

94 10.0 9.0 13.4

80 10.4 9.6 14.4





#64

4,6-Dinitro-2-methylphenol

Concen: 6.46 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.09 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

Instrument :

BNA\_F

ClientSampleId :

MW-11

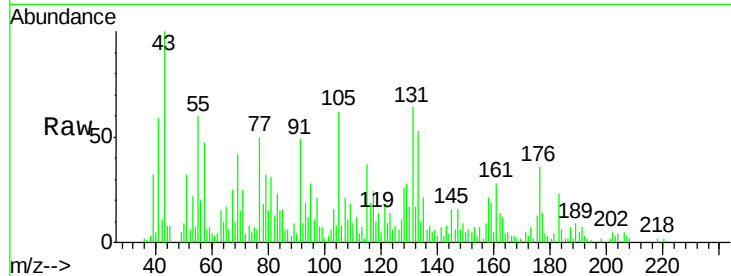
Tgt Ion:198 Resp: 256

Ion Ratio Lower Upper

198 100

51 1884.7 18.9 58.9#

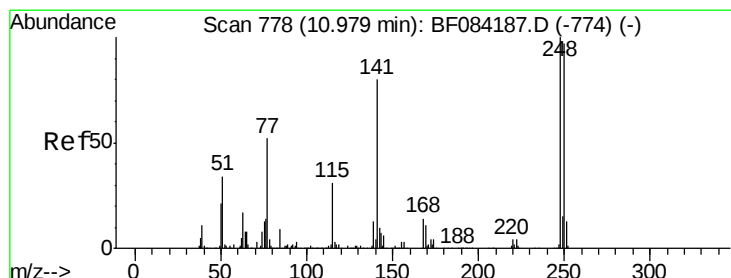
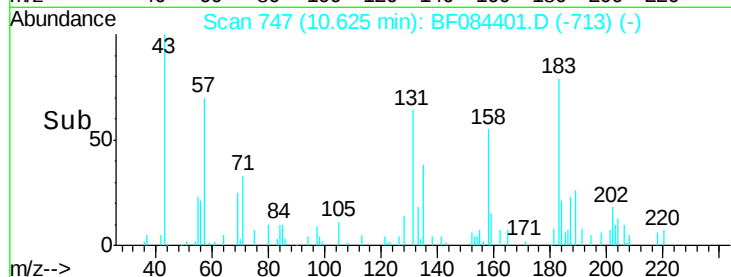
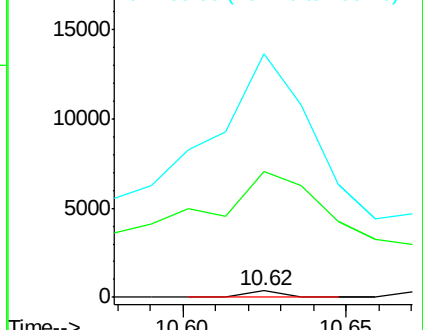
105 3661.4 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.26 ng

RT: 10.68 min Scan# 752

Delta R.T. -0.30 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

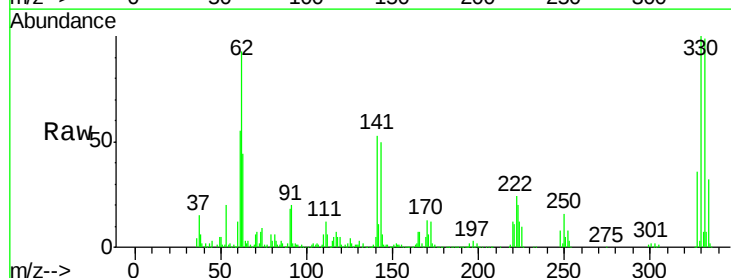
Tgt Ion:248 Resp: 47543

Ion Ratio Lower Upper

248 100

250 190.1 78.4 117.6#

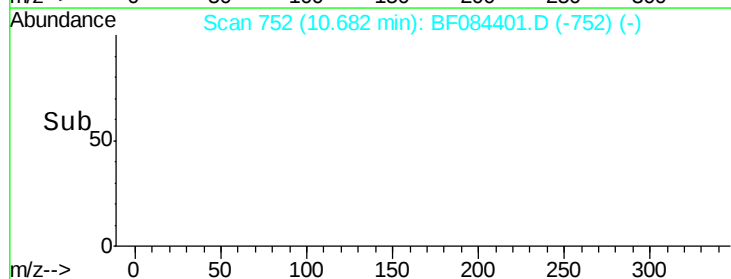
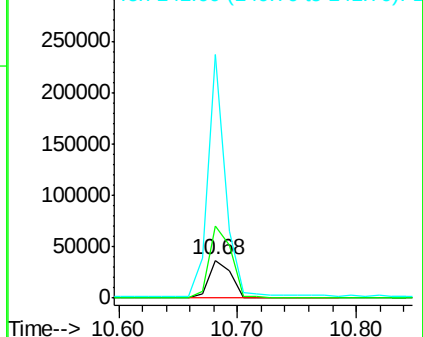
141 638.3 44.0 66.0#

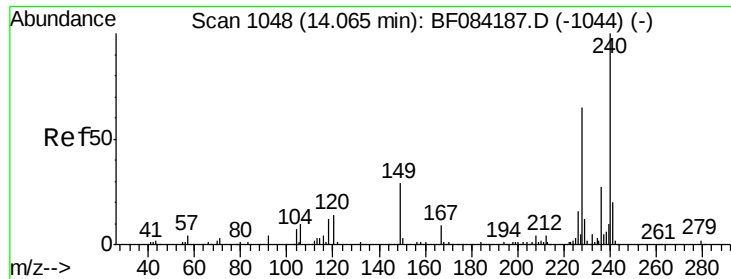


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.01 min Scan# 1043

Delta R.T. -0.06 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

Instrument :

BNA\_F

ClientSampleId :

MW-11

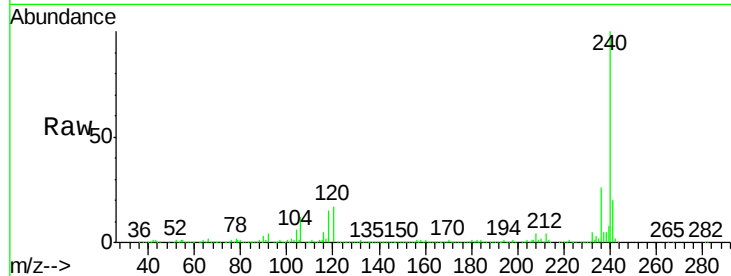
Tgt Ion:240 Resp: 681586

Ion Ratio Lower Upper

240 100

120 17.5 9.5 14.3#

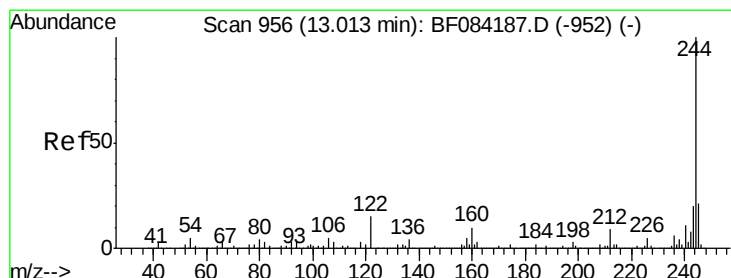
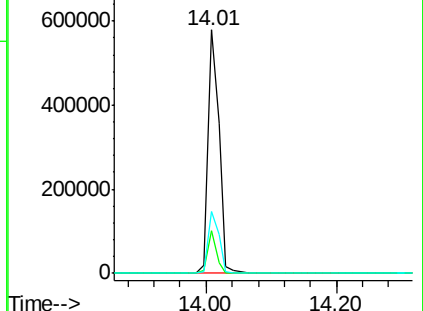
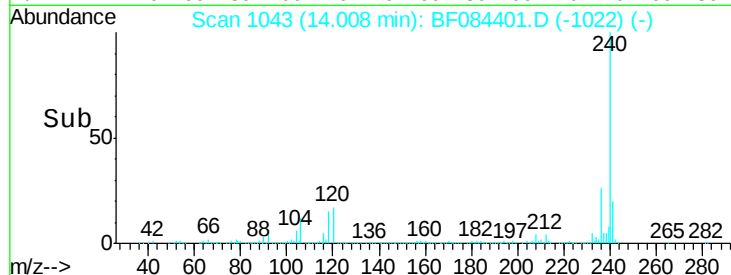
236 25.6 20.6 31.0



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: 70.25 ng

RT: 12.97 min Scan# 952

Delta R.T. -0.05 min

Lab File: BF084401.D

Acq: 12 Jan 2016 1:50

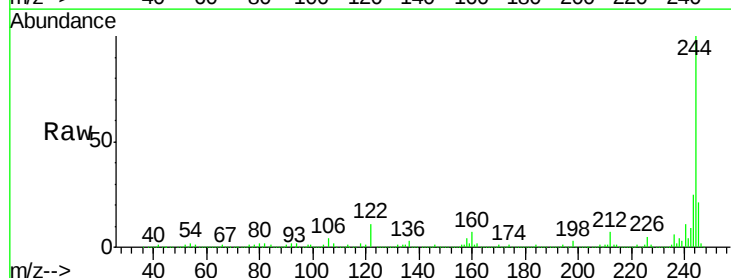
Tgt Ion:244 Resp: 2145193

Ion Ratio Lower Upper

244 100

212 7.4 5.7 8.5

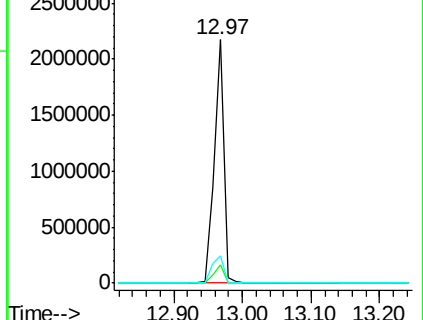
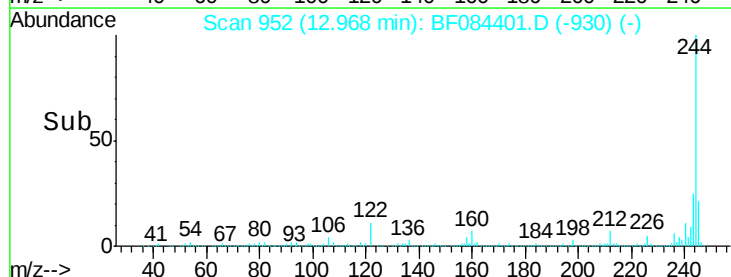
122 11.1 7.4 11.0#

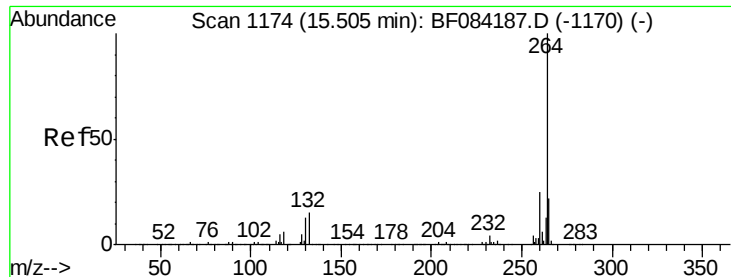


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.44 min Scan# 1168  
Delta R.T. -0.07 min  
Lab File: BF084401.D  
Acq: 12 Jan 2016 1:50

Instrument :  
BNA\_F  
ClientSampleId :  
MW-11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 264   | Resp: | 596802 |
| Ion      | Ratio | Lower | Upper  |
| 264      | 100   |       |        |
| 260      | 23.2  | 19.4  | 29.2   |
| 265      | 21.8  | 17.8  | 26.6   |

