

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF040616\  
 Data File : BF086096.D  
 Acq On : 6 Apr 2016 14:06  
 Operator : UM/SJ  
 Sample : H2248-01  
 Misc :  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCONMHDGA005

Quant Time: Apr 07 01:02:23 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF040216.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Apr 01 23:17:06 2016  
 Response via : Initial Calibration

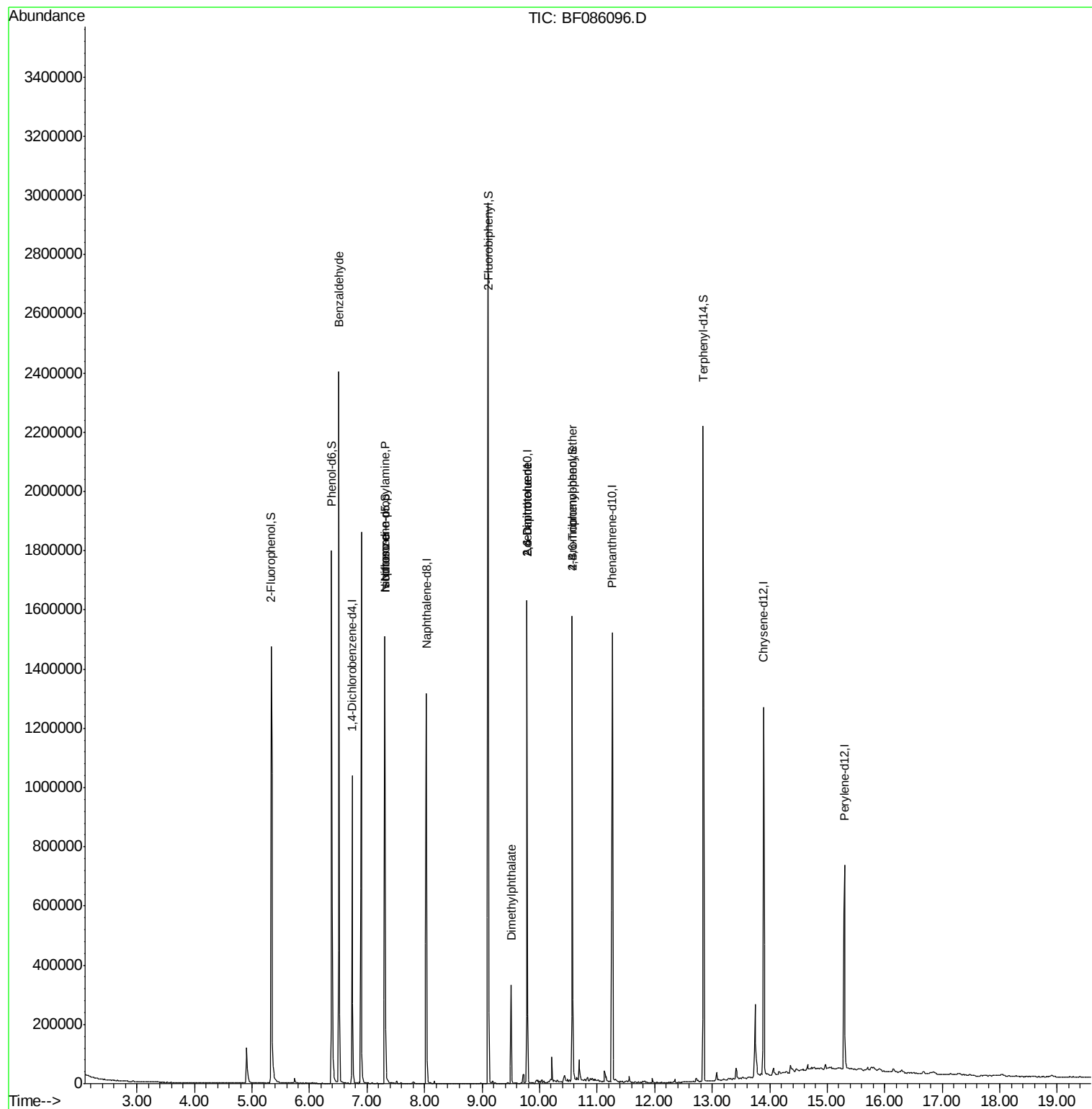
| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.74  | 152  | 160380   | 20.00 | ng    | -0.03    |
| 21) Naphthalene-d8             | 8.03  | 136  | 662127   | 20.00 | ng    | -0.03    |
| 38) Acenaphthene-d10           | 9.78  | 164  | 306202   | 20.00 | ng    | -0.03    |
| 63) Phenanthrene-d10           | 11.26 | 188  | 600383   | 20.00 | ng    | -0.03    |
| 75) Chrysene-d12               | 13.89 | 240  | 440155   | 20.00 | ng    | -0.03    |
| 86) Perylene-d12               | 15.30 | 264  | 342290   | 20.00 | ng    | -0.03    |
| System Monitoring Compounds    |       |      |          |       |       |          |
| 5) 2-Fluorophenol              | 5.33  | 112  | 620148   | 66.09 | ng    | -0.03    |
| 7) Phenol-d6                   | 6.38  | 99   | 753866   | 63.25 | ng    | -0.03    |
| 23) Nitrobenzene-d5            | 7.31  | 82   | 511230   | 45.53 | ng    | -0.03    |
| 41) 2,4,6-Tribromophenol       | 10.57 | 330  | 174739   | 60.80 | ng    | -0.03    |
| 44) 2-Fluorobiphenyl           | 9.10  | 172  | 876731   | 47.61 | ng    | -0.03    |
| 78) Terphenyl-d14              | 12.84 | 244  | 860333   | 45.95 | ng    | -0.03    |
| Target Compounds               |       |      |          |       |       | Qvalue   |
| 9) Benzaldehyde                | 6.51  | 77   | 14014    | 2.19  | ng    | 84       |
| 19) n-Nitroso-di-n-propylamine | 7.31  | 70   | 66140    | 8.95  | ng    | # 79     |
| 25) Isophorone                 | 7.31  | 82   | 442101   | 19.95 | ng    | # 68     |
| 49) Dimethylphthalate          | 9.50  | 163  | 131523   | 5.80  | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 9.78  | 165  | 38778    | 8.08  | ng    | # 19     |
| 56) 2,4-Dinitrotoluene         | 9.78  | 165  | 38778    | 6.39  | ng    | # 37     |
| 66) 4-Bromophenyl-phenylether  | 10.57 | 248  | 12319    | 2.01  | ng    | # 1      |

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

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QLast Update : Fri Apr 01 23:17:06 2016  
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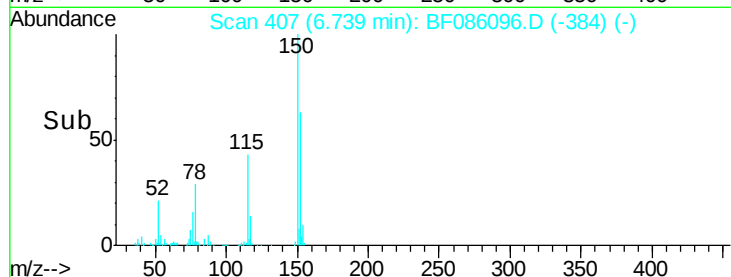
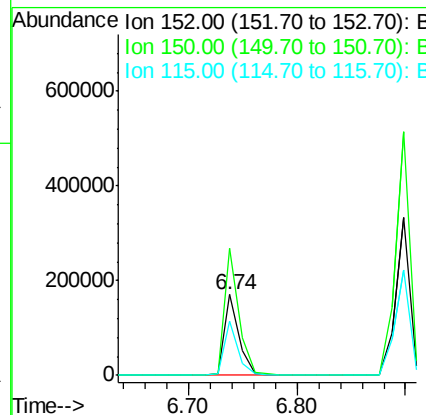
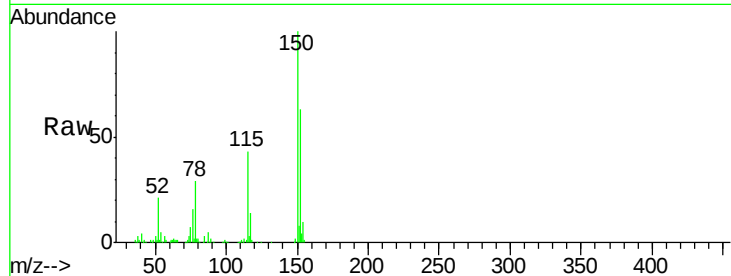


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 6.74 min Scan# 407  
Delta R.T. -0.03 min  
Lab File: BF086096.D  
Acq: 6 Apr 2016 14:06

Instrument :  
BNA\_F  
ClientSampleId :  
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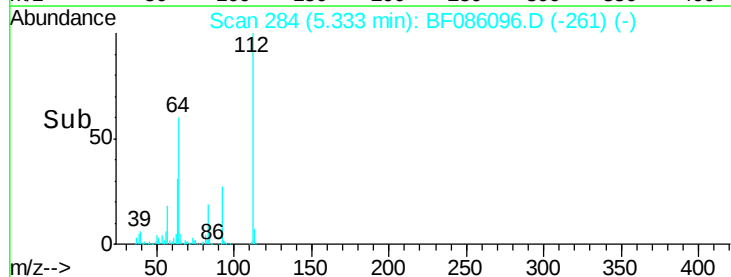
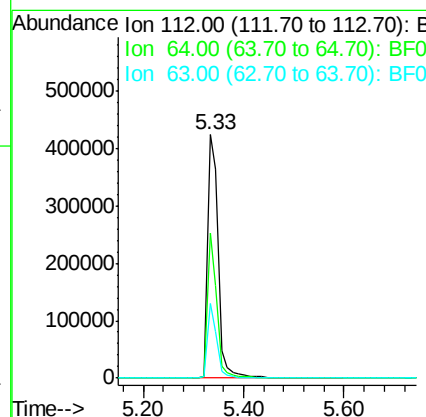
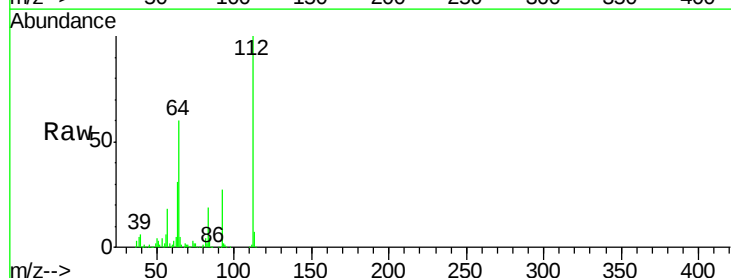
Tgt Ion:152 Resp: 160380  
Ion Ratio Lower Upper  
152 100  
150 158.1 124.2 186.2  
115 67.4 47.0 70.6

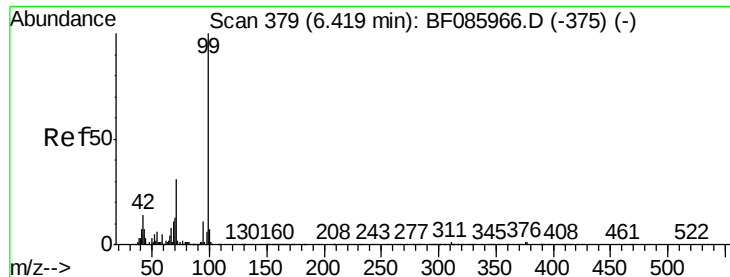


#5

2-Fluorophenol  
Concen: 66.09 ng  
RT: 5.33 min Scan# 284  
Delta R.T. -0.03 min  
Lab File: BF086096.D  
Acq: 6 Apr 2016 14:06

Tgt Ion:112 Resp: 620148  
Ion Ratio Lower Upper  
112 100  
64 59.8 39.9 59.9  
63 30.9 20.2 30.2#





#7

Phenol-d6

Concen: 63.25 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

Instrument :

BNA\_F

ClientSampleId :

TILCONMHDGA005

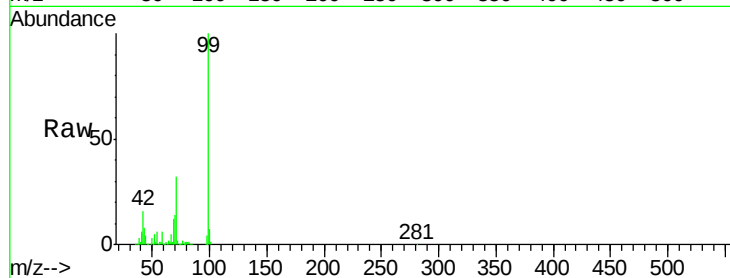
Tgt Ion: 99 Resp: 753866

Ion Ratio Lower Upper

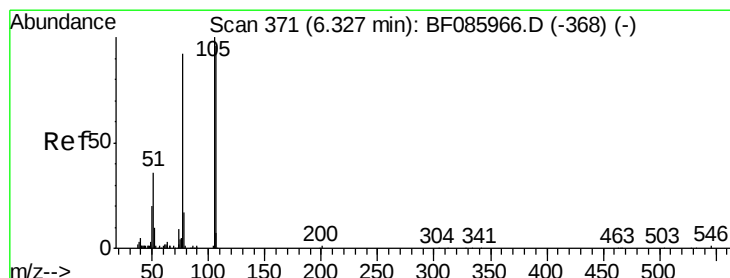
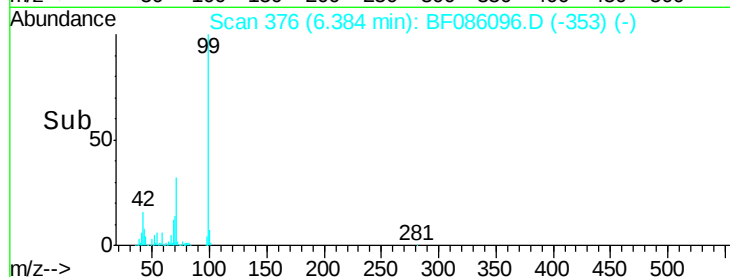
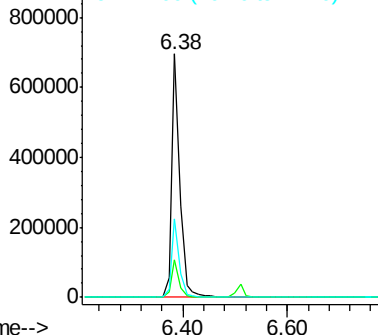
99 100

42 15.6 11.1 16.7

71 32.4 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0  
Ion 42.00 (41.70 to 42.70): BF0  
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 2.19 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

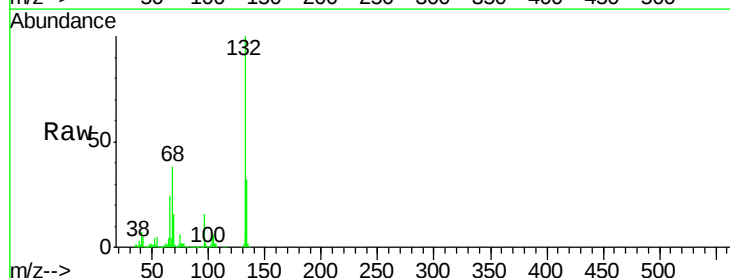
Tgt Ion: 77 Resp: 14014

Ion Ratio Lower Upper

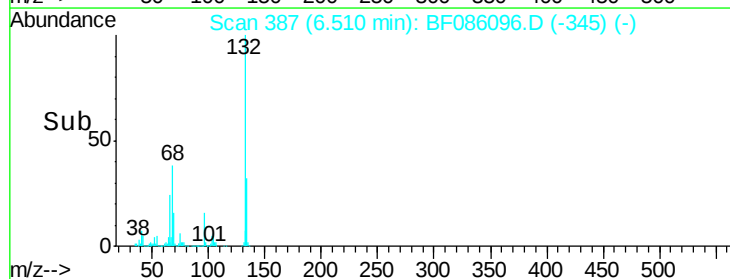
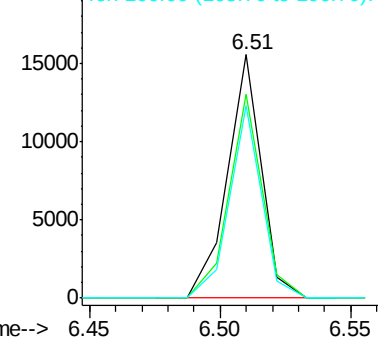
77 100

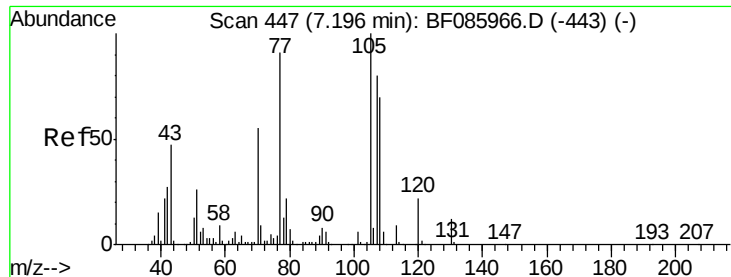
105 83.8 80.1 120.1

106 79.2 75.0 115.0



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

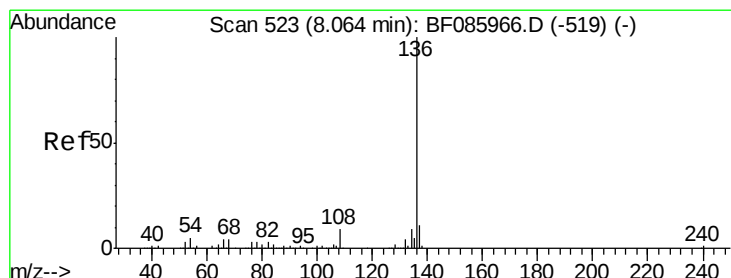
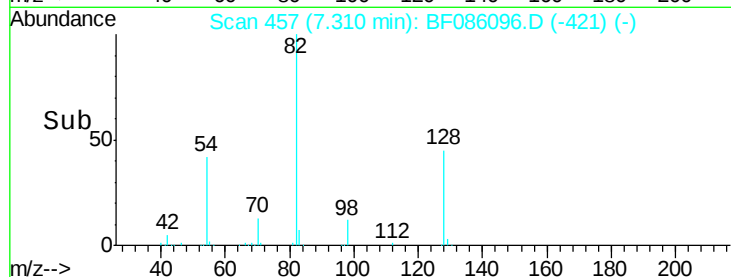
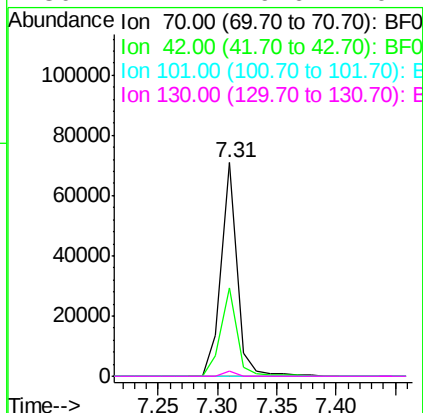
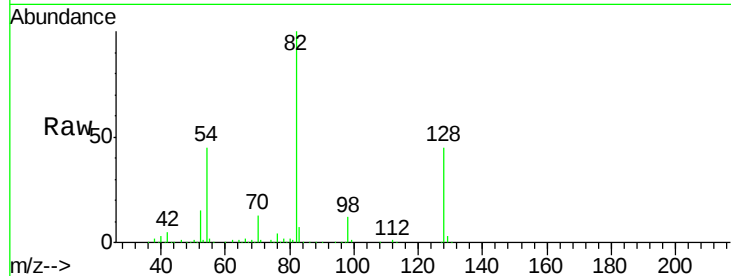




#19  
n-Nitroso-di-n-propylamine  
Concen: 8.95 ng  
RT: 7.31 min Scan# 457  
Delta R.T. 0.11 min  
Lab File: BF086096.D  
Acq: 6 Apr 2016 14:06

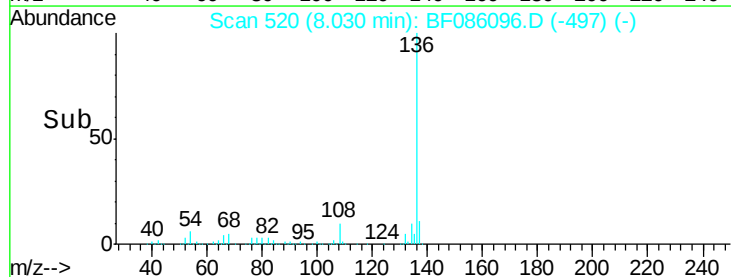
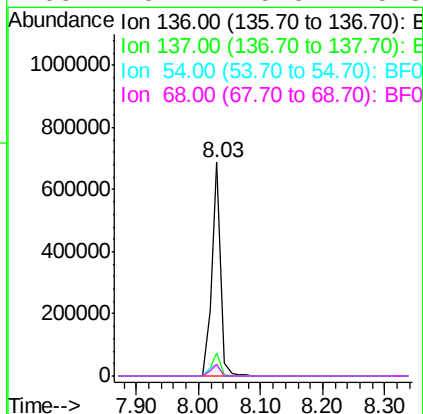
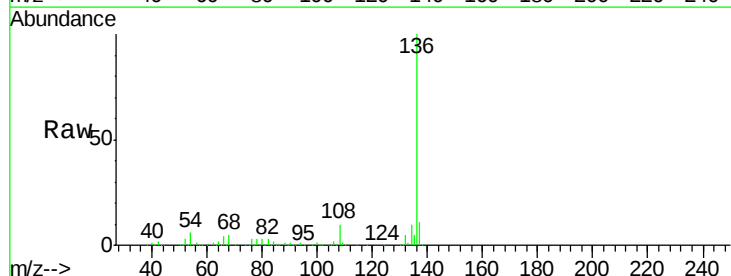
Instrument :  
BNA\_F  
ClientSampleId :  
TILCONMHDGA005

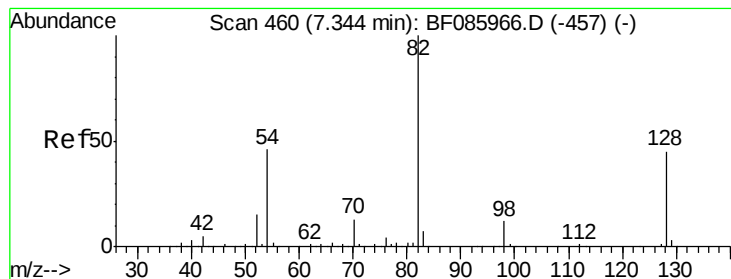
Tgt Ion: 70 Resp: 66140  
Ion Ratio Lower Upper  
70 100  
42 41.5 37.1 55.7  
101 0.0 8.6 12.8#  
130 2.2 19.6 29.4#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 8.03 min Scan# 520  
Delta R.T. -0.03 min  
Lab File: BF086096.D  
Acq: 6 Apr 2016 14:06

Tgt Ion: 136 Resp: 662127  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.1 13.7  
54 5.6 7.4 11.0#  
68 5.1 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 45.53 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

Instrument :

BNA\_F

ClientSampleId :

TILCONMHDGA005

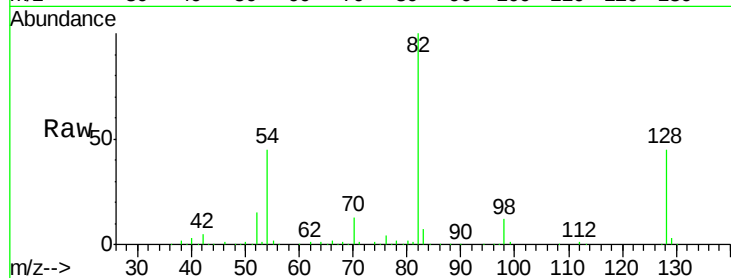
Tgt Ion: 82 Resp: 511230

Ion Ratio Lower Upper

82 100

128 45.1 41.8 62.8

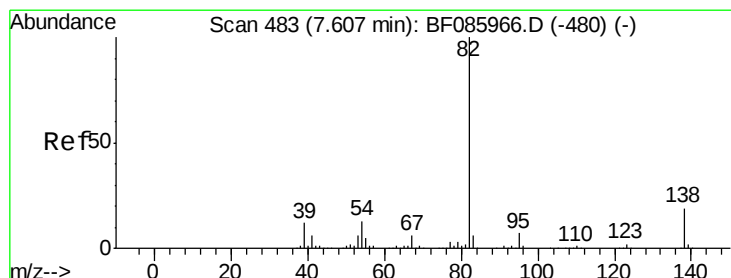
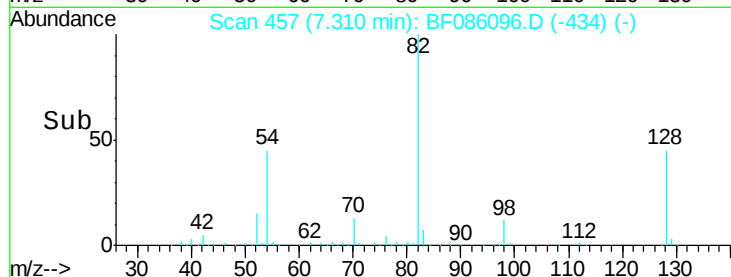
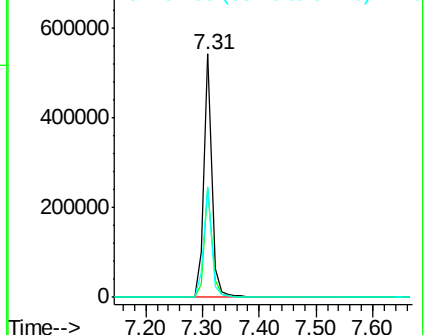
54 45.4 33.4 50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 19.95 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

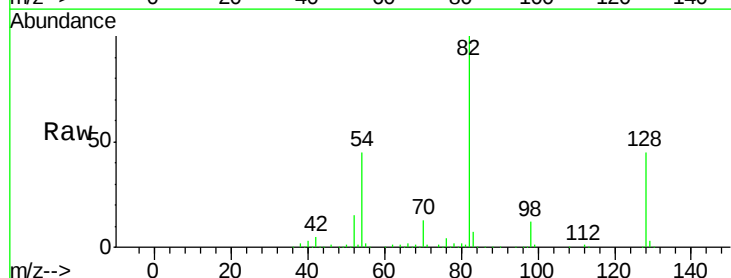
Tgt Ion: 82 Resp: 442101

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

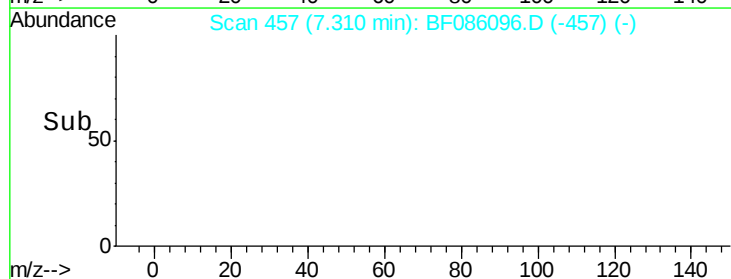
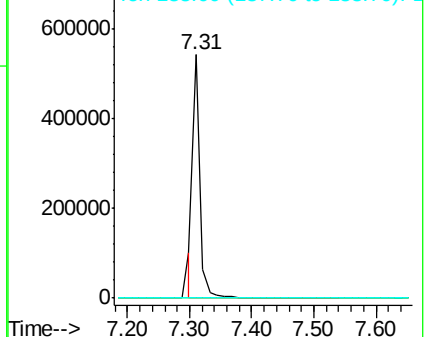
138 0.0 12.9 19.3#

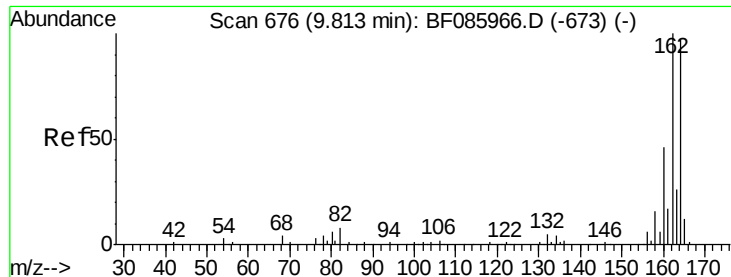


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

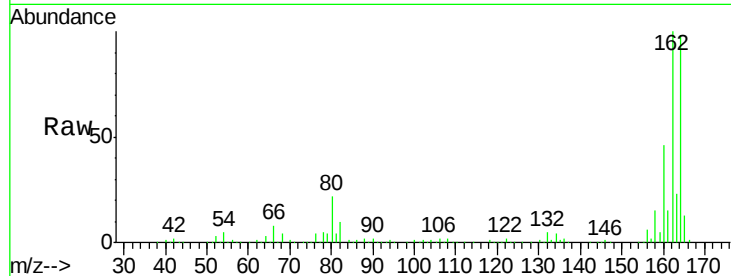




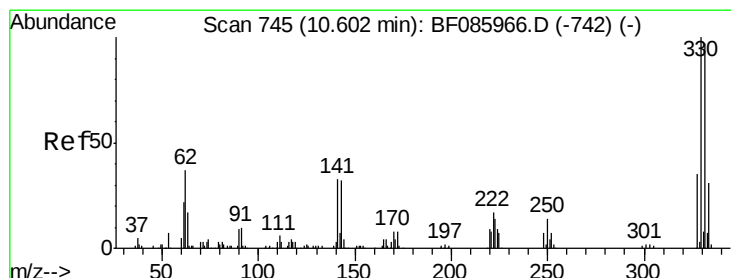
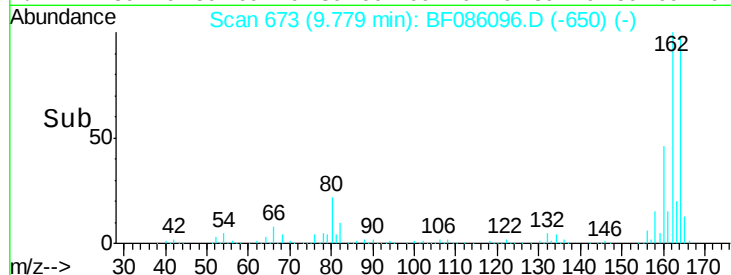
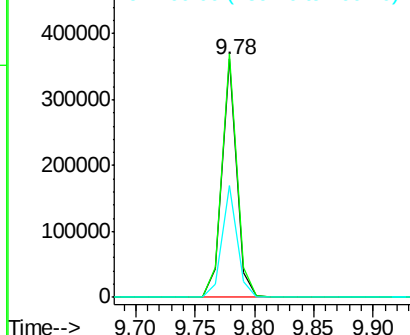
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.03 min  
 Lab File: BF086096.D  
 Acq: 6 Apr 2016 14:06

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCONMHDGA005

Tgt Ion:164 Resp: 306202  
 Ion Ratio Lower Upper  
 164 100  
 162 102.2 82.1 123.1  
 160 46.8 37.4 56.2

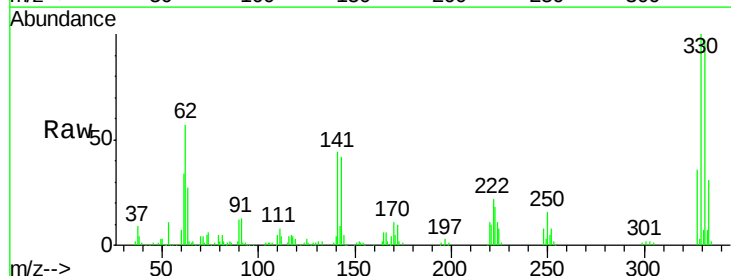


Abundance Ion 164.00 (163.70 to 164.70): E  
 Ion 162.00 (161.70 to 162.70): E  
 Ion 160.00 (159.70 to 160.70): E

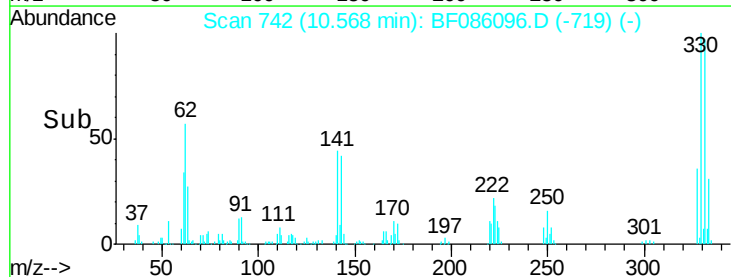
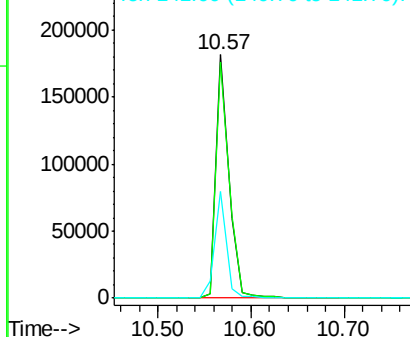


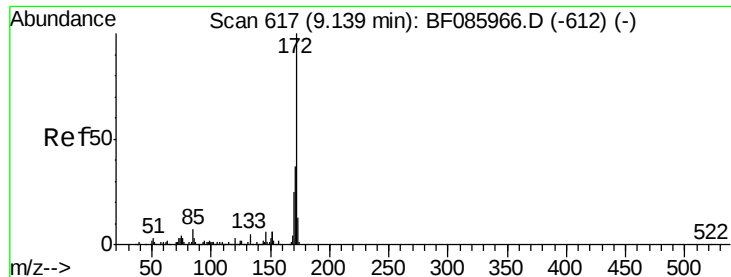
#41  
 2,4,6-Tribromophenol  
 Concen: 60.80 ng  
 RT: 10.57 min Scan# 742  
 Delta R.T. -0.03 min  
 Lab File: BF086096.D  
 Acq: 6 Apr 2016 14:06

Tgt Ion:330 Resp: 174739  
 Ion Ratio Lower Upper  
 330 100  
 332 98.4 78.2 117.2  
 141 40.3 31.5 47.3



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: 47.61 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

Instrument :

BNA\_F

ClientSampleId :

TILCONMHDGA005

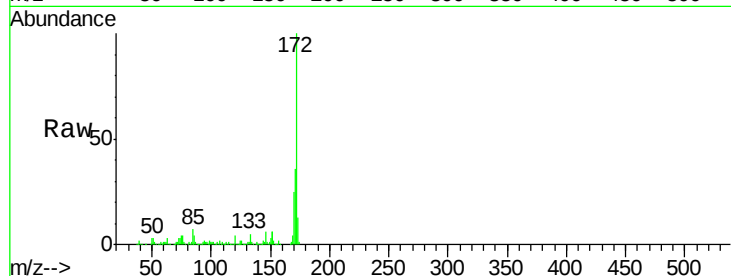
Tgt Ion:172 Resp: 876731

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.2

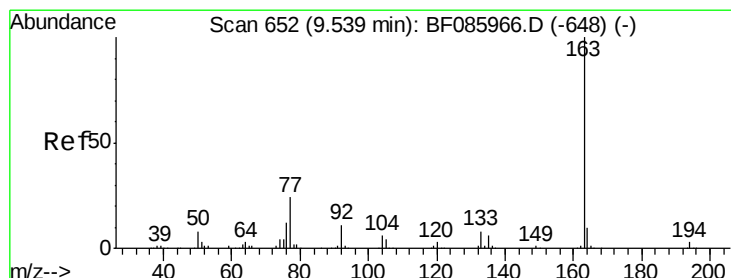
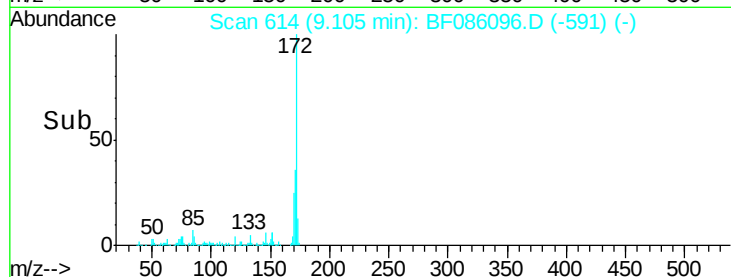
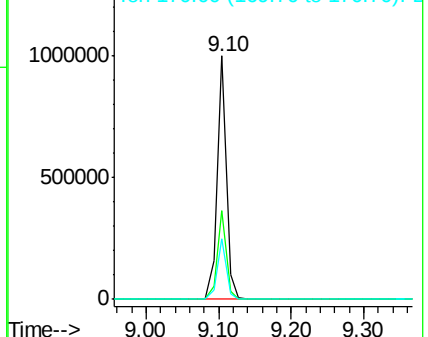
170 24.6 19.8 29.6



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: 5.80 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

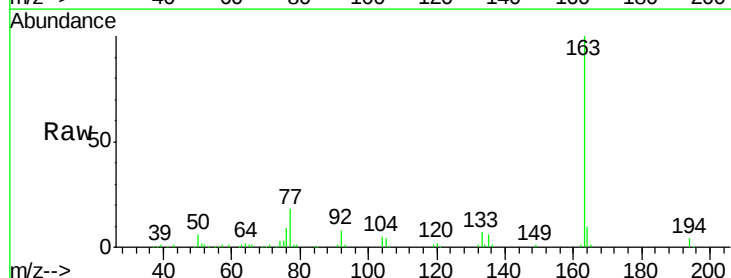
Tgt Ion:163 Resp: 131523

Ion Ratio Lower Upper

163 100

194 3.6 2.9 4.3

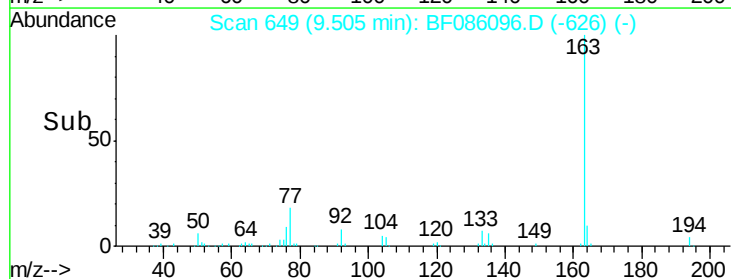
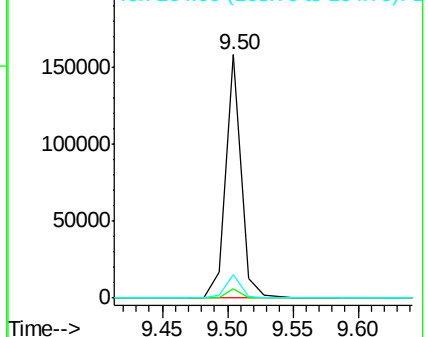
164 9.9 8.3 12.5

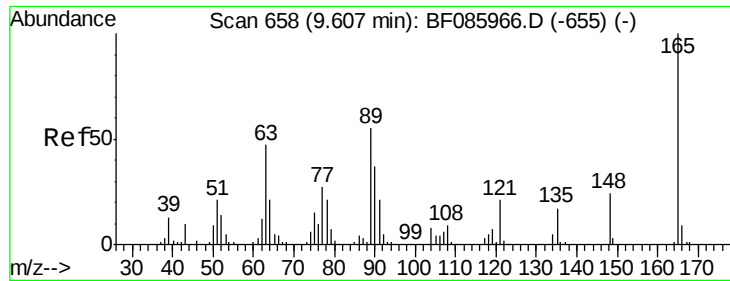


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

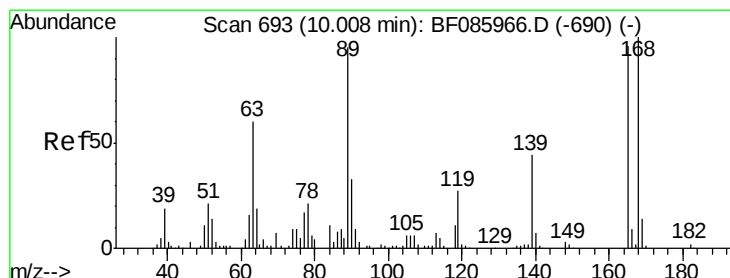
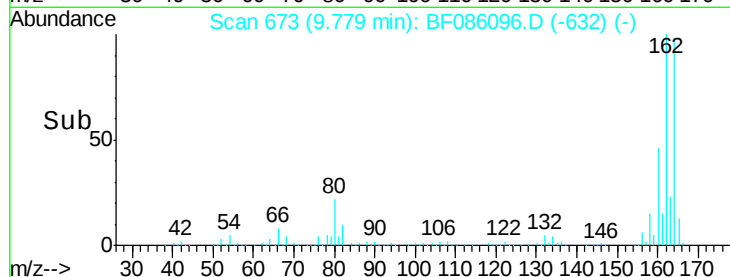
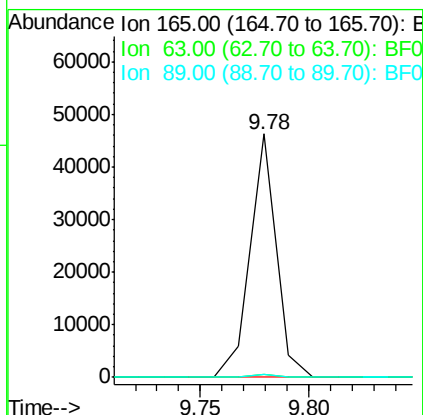
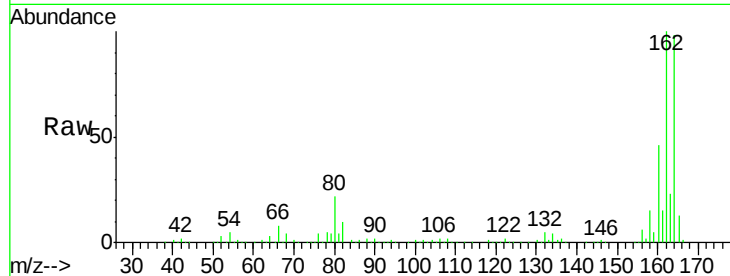




#50  
 2,6-Dinitrotoluene  
 Concen: 8.08 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. 0.17 min  
 Lab File: BF086096.D  
 Acq: 6 Apr 2016 14:06

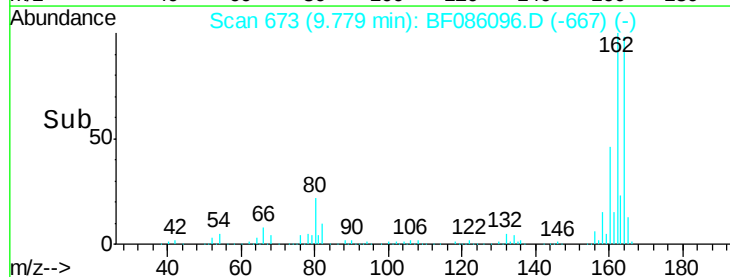
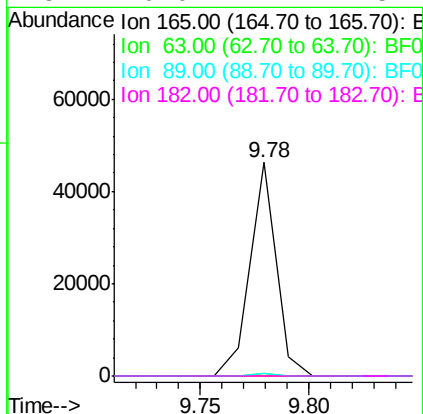
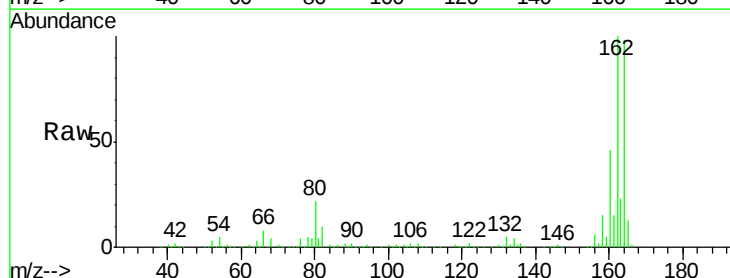
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCONMHDGA005

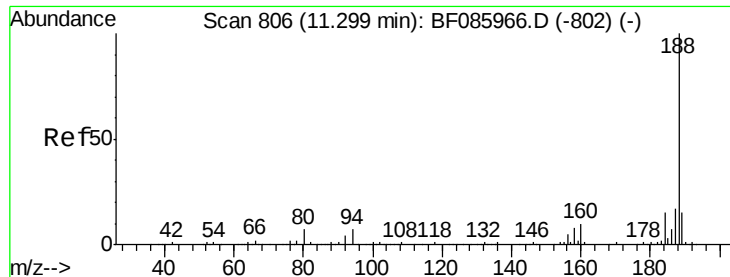
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 51.8  | 77.8# |
| 89      | 1.4   | 53.7  | 80.5# |



#56  
 2,4-Dinitrotoluene  
 Concen: 6.39 ng  
 RT: 9.78 min Scan# 673  
 Delta R.T. -0.23 min  
 Lab File: BF086096.D  
 Acq: 6 Apr 2016 14:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 24.9  | 37.3# |
| 89      | 1.4   | 41.0  | 61.6# |
| 182     | 0.0   | 2.1   | 3.1#  |

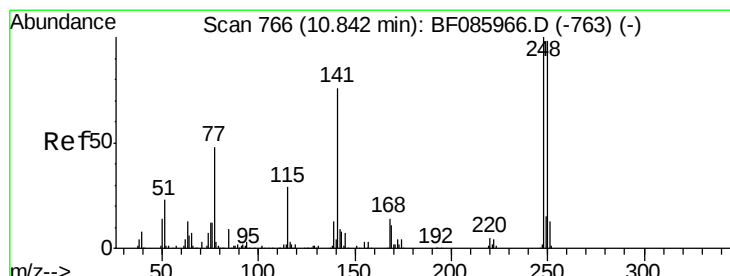
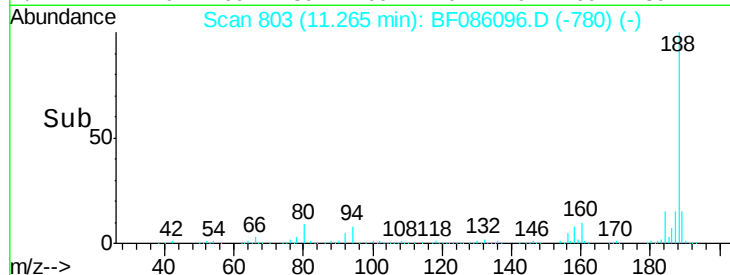
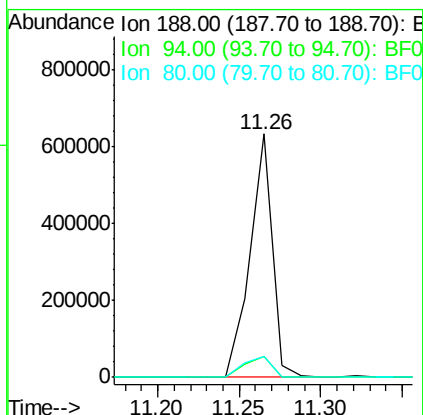
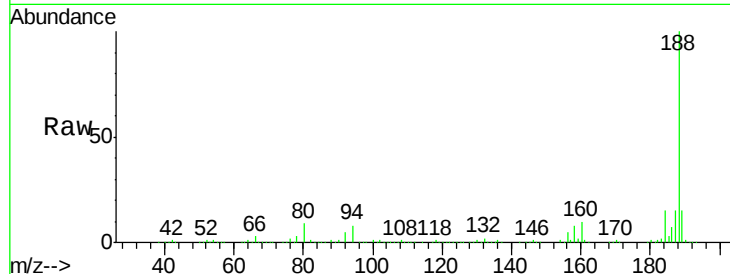




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 11.26 min Scan# 803  
Delta R.T. -0.03 min  
Lab File: BF086096.D  
Acq: 6 Apr 2016 14:06

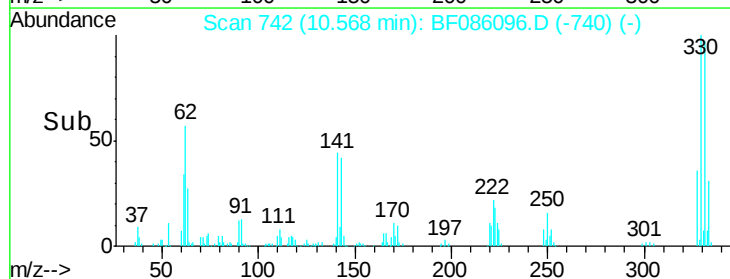
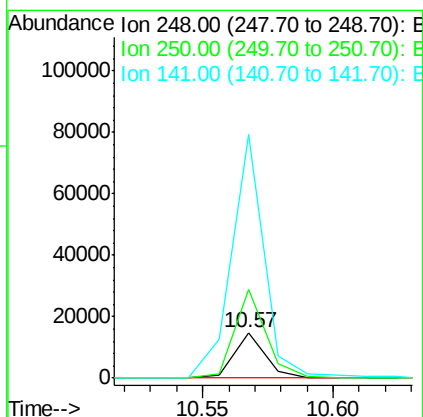
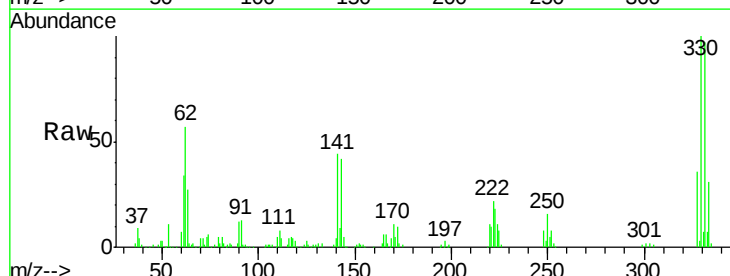
Instrument :  
BNA\_F  
ClientSampleId :  
TILCONMHDGA005

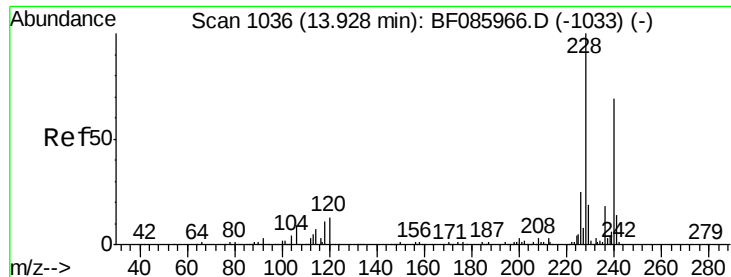
Tgt Ion:188 Resp: 600383  
Ion Ratio Lower Upper  
188 100  
94 8.4 5.4 8.0#  
80 8.5 5.5 8.3#



#66  
4-Bromophenyl-phenylether  
Concen: 2.01 ng  
RT: 10.57 min Scan# 742  
Delta R.T. -0.27 min  
Lab File: BF086096.D  
Acq: 6 Apr 2016 14:06

Tgt Ion:248 Resp: 12319  
Ion Ratio Lower Upper  
248 100  
250 195.5 77.4 116.0#  
141 533.5 63.6 95.4#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

Instrument :

BNA\_F

ClientSampleId :

TILCONMHDGA005

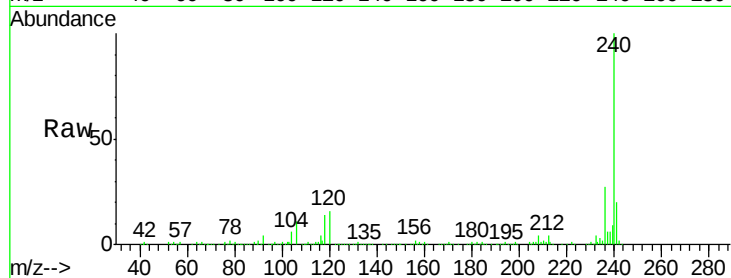
Tgt Ion:240 Resp: 440155

Ion Ratio Lower Upper

240 100

120 16.4 13.8 20.8

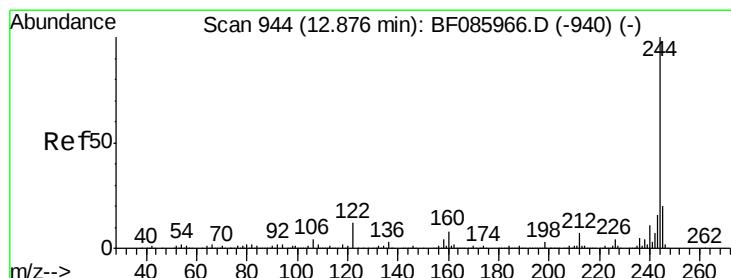
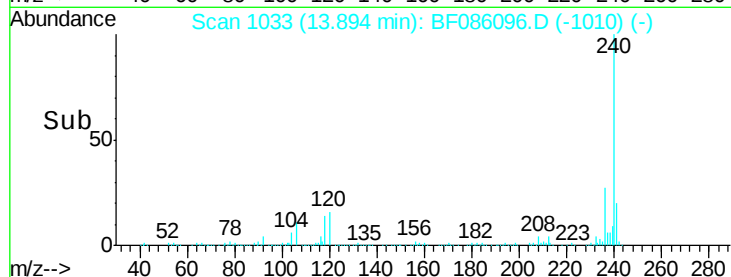
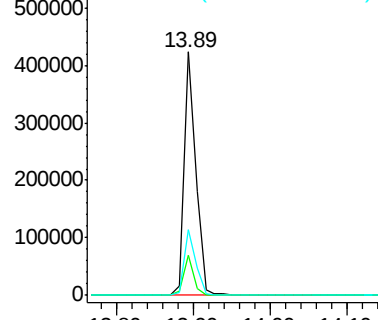
236 27.2 20.6 30.8



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78

Terphenyl-d14

Concen: 45.95 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086096.D

Acq: 6 Apr 2016 14:06

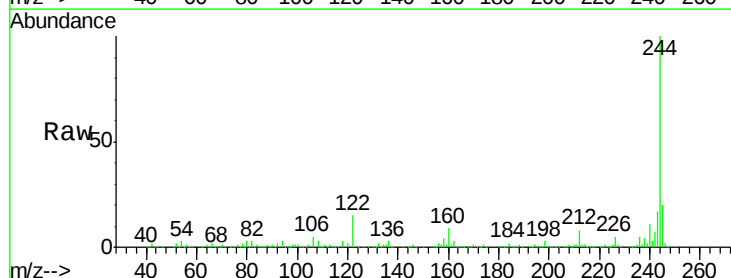
Tgt Ion:244 Resp: 860333

Ion Ratio Lower Upper

244 100

212 7.7 6.1 9.1

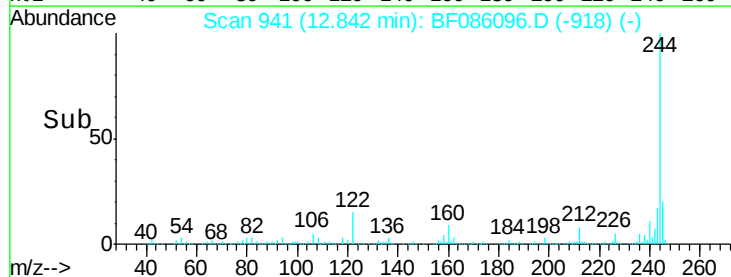
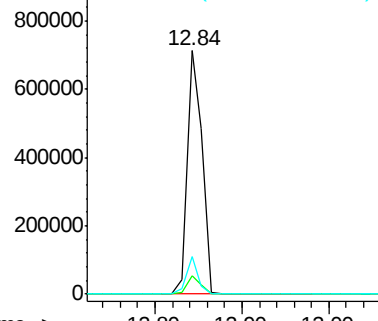
122 15.3 10.2 15.4

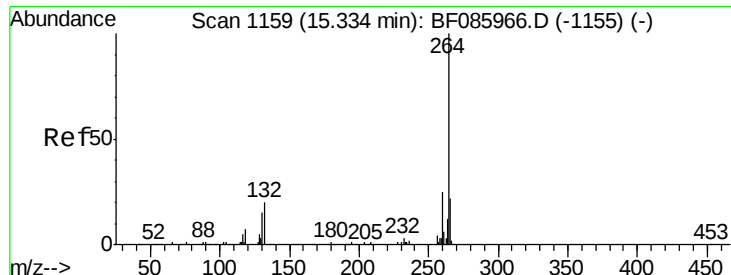


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 15.30 min Scan# 1156  
Delta R.T. -0.03 min  
Lab File: BF086096.D  
Acq: 6 Apr 2016 14:06

Instrument :  
BNA\_F  
ClientSampleId :  
TILCONMHDGA005

Tgt Ion: 264 Resp: 342290  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.4 29.2  
265 21.5 17.2 25.8

