

Data Path : Z:\HPCHEM1\BNA\_F\DATA\BF082416\  
 Data File : BF089882.D  
 Acq On : 24 Aug 2016 18:41  
 Operator : UM/SJ  
 Sample : H4585-01  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-DGA-005

Quant Time: Aug 25 12:20:48 2016  
 Quant Method : Z:\HPCHEM1\BNA\_F\METHODS\8270-BF081916.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Aug 19 14:02:57 2016  
 Response via : Initial Calibration

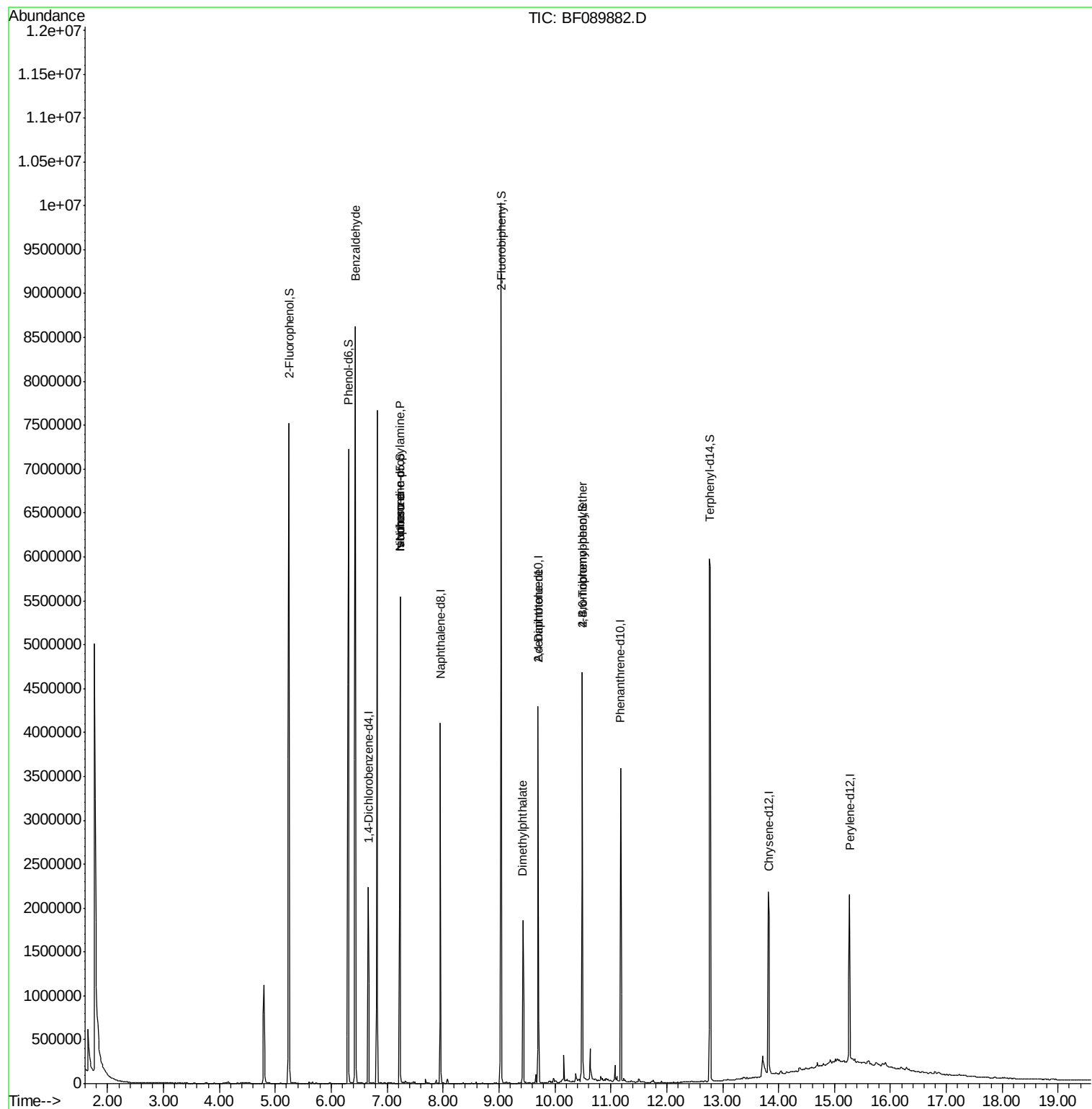
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|--------------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4      | 6.66  | 152  | 399434   | 20.00  | ng    | -0.02     |
| 21) Naphthalene-d8             | 7.95  | 136  | 1736967  | 20.00  | ng    | -0.02     |
| 38) Acenaphthene-d10           | 9.70  | 164  | 793170   | 20.00  | ng    | -0.01     |
| 63) Phenanthrene-d10           | 11.18 | 188  | 1311448  | 20.00  | ng    | -0.01     |
| 75) Chrysene-d12               | 13.83 | 240  | 1023404  | 20.00  | ng    | -0.05     |
| 86) Perylene-d12               | 15.27 | 264  | 849277   | 20.00  | ng    | -0.10     |
| System Monitoring Compounds    |       |      |          |        |       |           |
| 5) 2-Fluorophenol              | 5.24  | 112  | 2476687  | 106.33 | ng    | -0.01     |
| 7) Phenol-d6                   | 6.31  | 99   | 3323742  | 116.25 | ng    | -0.01     |
| 23) Nitrobenzene-d5            | 7.23  | 82   | 1880744  | 67.27  | ng    | -0.02     |
| 41) 2,4,6-Tribromophenol       | 10.49 | 330  | 683361   | 90.66  | ng    | -0.01     |
| 44) 2-Fluorobiphenyl           | 9.04  | 172  | 3550913  | 78.68  | ng    | -0.01     |
| 78) Terphenyl-d14              | 12.78 | 244  | 2866083  | 63.36  | ng    | -0.01     |
| Target Compounds               |       |      |          |        |       |           |
| 9) Benzaldehyde                | 6.43  | 77   | 58430    | 3.14   | ng    | Qvalue 86 |
| 19) n-Nitroso-di-n-propylamine | 7.23  | 70   | 254214   | 13.90  | ng    | # 72      |
| 25) Isophorone                 | 7.23  | 82   | 1377983  | 24.44  | ng    | # 67      |
| 49) Dimethylphthalate          | 9.43  | 163  | 877998   | 15.72  | ng    | 99        |
| 56) 2,4-Dinitrotoluene         | 9.70  | 165  | 103513   | 6.19   | ng    | # 35      |
| 66) 4-Bromophenyl-phenylether  | 10.49 | 248  | 42298    | 3.08   | ng    | # 1       |

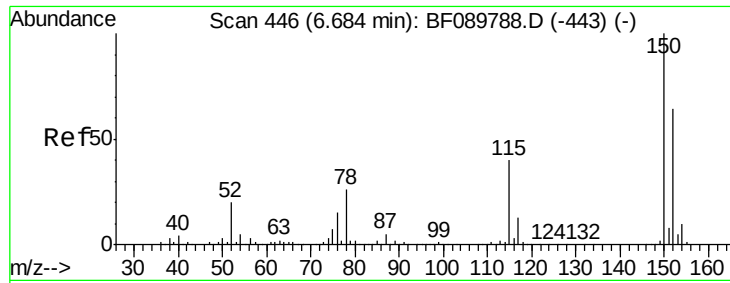
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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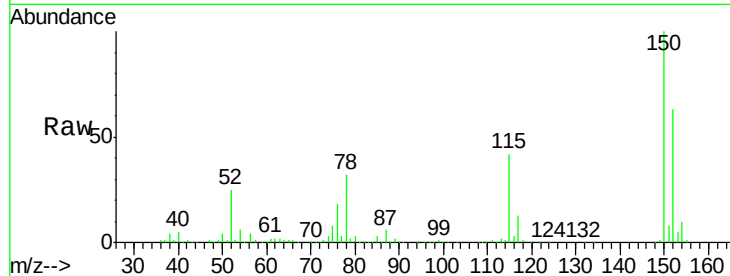




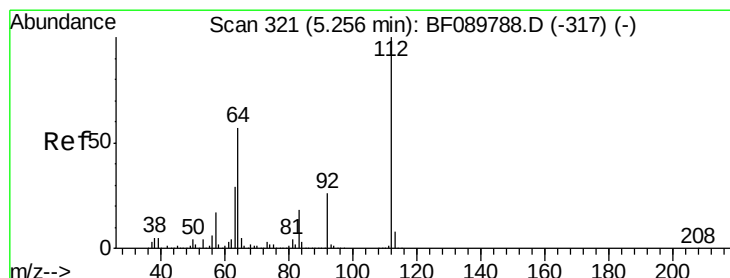
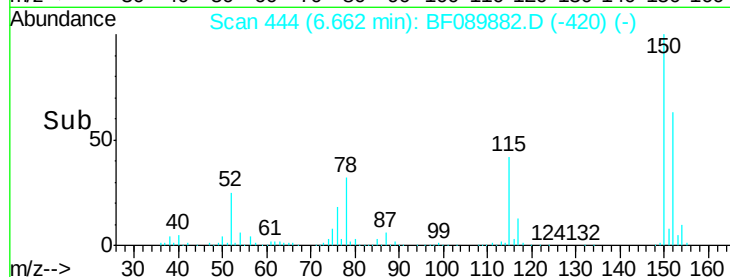
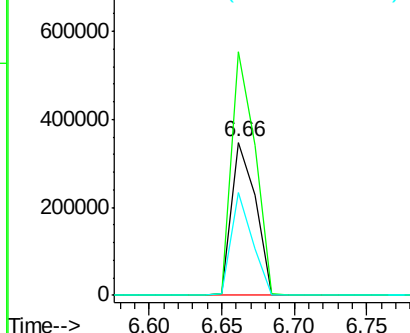
#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 6.66 min Scan# 444  
 Delta R.T. -0.02 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-DGA-005

Tgt Ion:152 Resp: 399434  
 Ion Ratio Lower Upper  
 152 100  
 150 159.2 125.3 187.9  
 115 67.5 40.9 61.3#

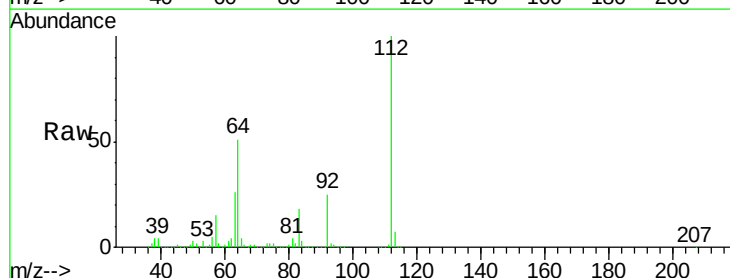


Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E

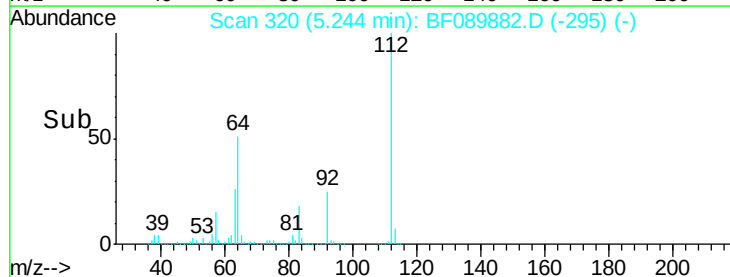
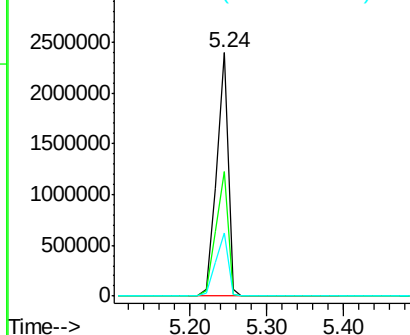


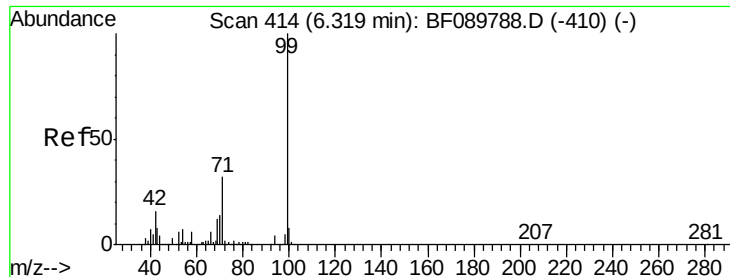
#5  
 2-Fluorophenol  
 Concen: 106.33 ng  
 RT: 5.24 min Scan# 320  
 Delta R.T. -0.01 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

Tgt Ion:112 Resp: 2476687  
 Ion Ratio Lower Upper  
 112 100  
 64 51.4 45.0 67.4  
 63 26.1 23.1 34.7



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: 116.25 ng

RT: 6.31 min Scan# 413

Delta R.T. -0.01 min

Lab File: BF089882.D

Acq: 24 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

TILCON-MH-DGA-005

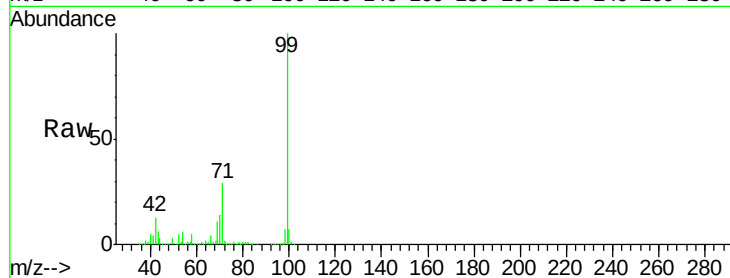
Tgt Ion: 99 Resp: 3323742

Ion Ratio Lower Upper

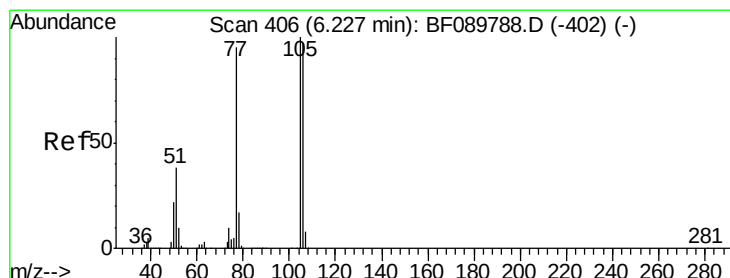
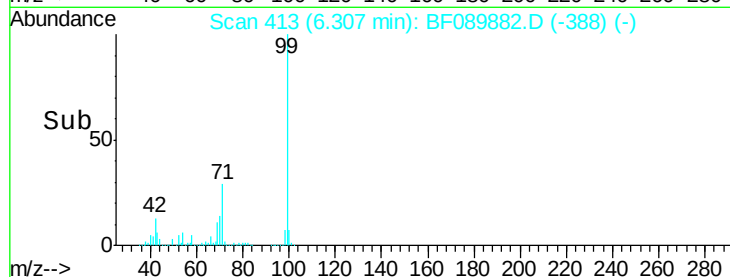
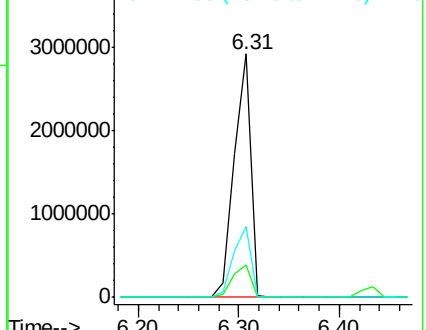
99 100

42 13.1 12.2 18.4

71 29.3 23.8 35.8



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: 3.14 ng

RT: 6.43 min Scan# 424

Delta R.T. 0.21 min

Lab File: BF089882.D

Acq: 24 Aug 2016 18:41

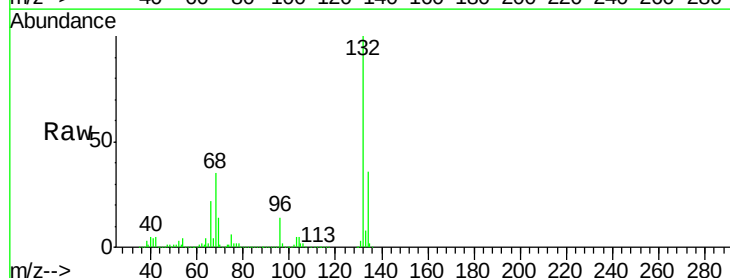
Tgt Ion: 77 Resp: 58430

Ion Ratio Lower Upper

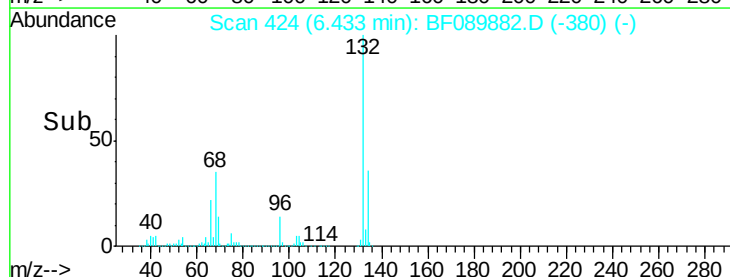
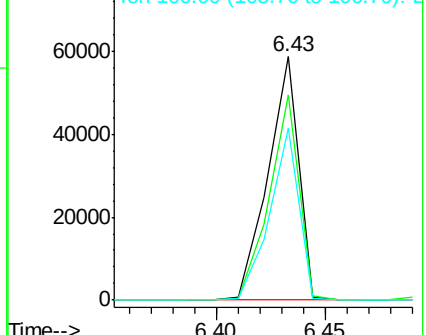
77 100

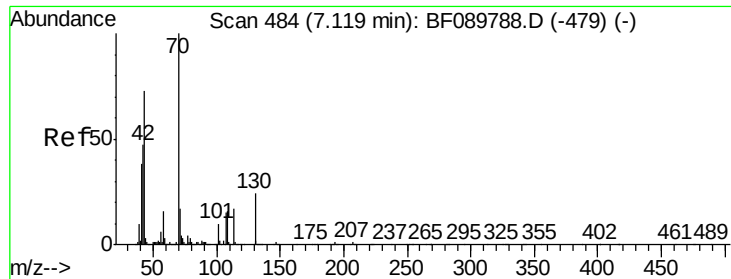
105 84.5 73.3 113.3

106 70.7 68.6 108.6



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

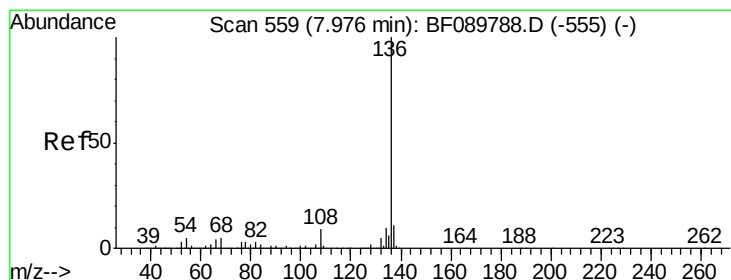
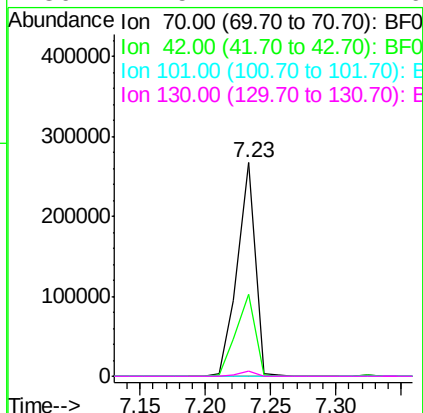
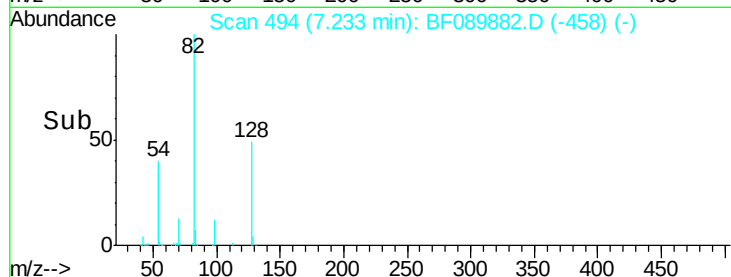
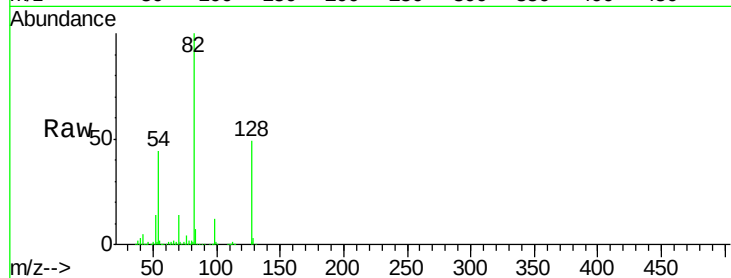




#19  
n-Nitroso-di-n-propylamine  
Concen: 13.90 ng  
RT: 7.23 min Scan# 494  
Delta R.T. 0.11 min  
Lab File: BF089882.D  
Acq: 24 Aug 2016 18:41

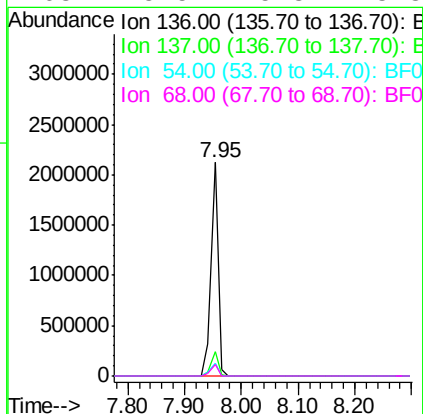
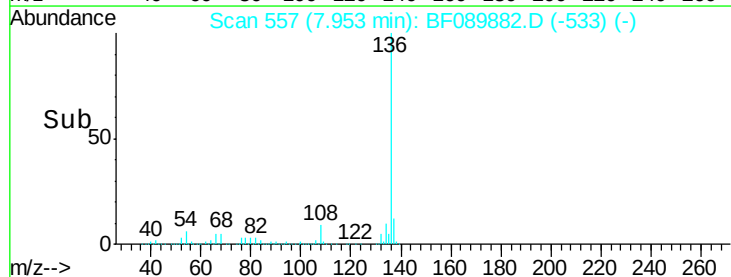
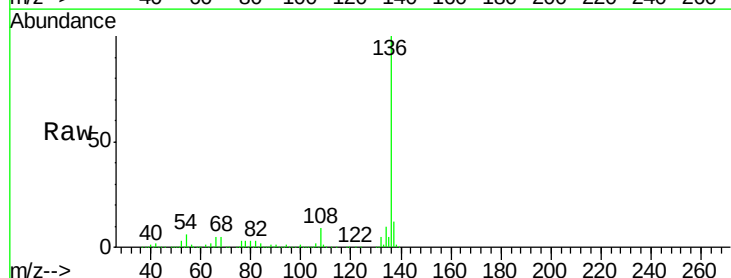
Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-MH-DGA-005

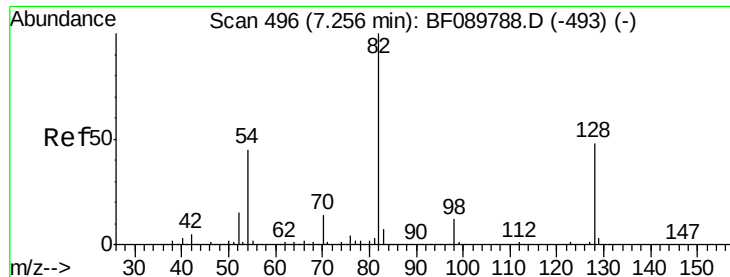
Tgt Ion: 70 Resp: 254214  
Ion Ratio Lower Upper  
70 100  
42 38.7 46.3 69.5#  
101 0.0 7.0 10.6#  
130 2.5 14.4 21.6#



#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 7.95 min Scan# 557  
Delta R.T. -0.02 min  
Lab File: BF089882.D  
Acq: 24 Aug 2016 18:41

Tgt Ion: 136 Resp: 1736967  
Ion Ratio Lower Upper  
136 100  
137 11.6 9.2 13.8  
54 5.9 7.2 10.8#  
68 5.5 5.8 8.8#

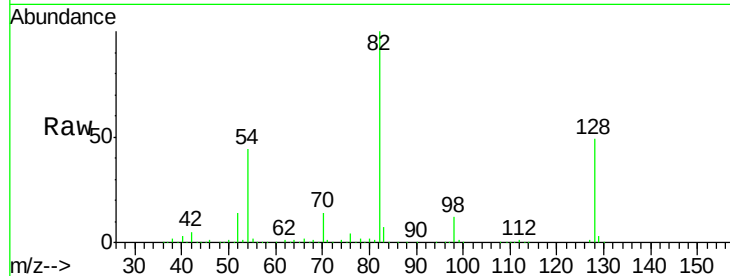




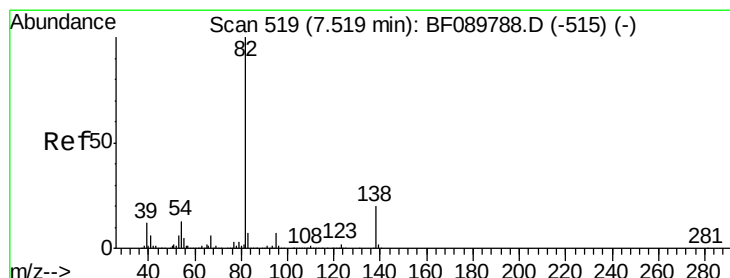
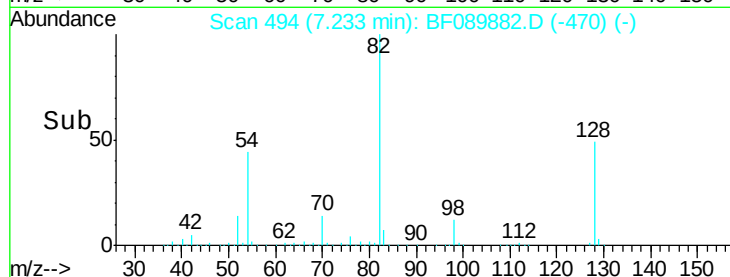
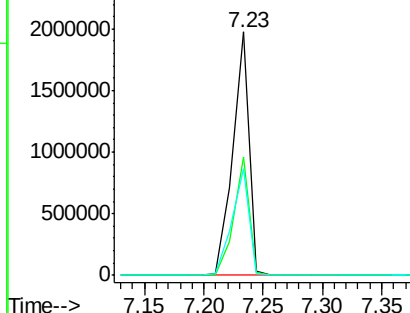
#23  
 Nitrobenzene-d5  
 Concen: 67.27 ng  
 RT: 7.23 min Scan# 494  
 Delta R.T. -0.02 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-DGA-005

Tgt Ion: 82 Resp: 1880744  
 Ion Ratio Lower Upper  
 82 100  
 128 48.8 34.4 51.6  
 54 43.9 40.3 60.5

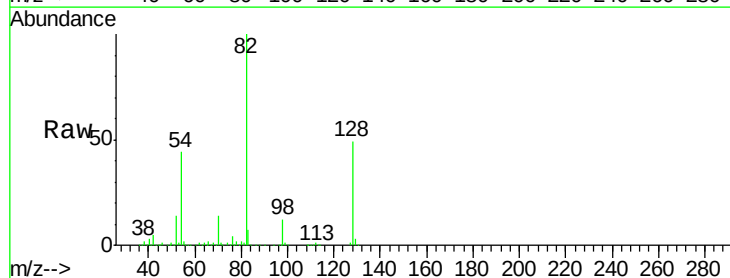


Abundance Ion 82.00 (81.70 to 82.70): BF0  
 Ion 128.00 (127.70 to 128.70): BF0  
 Ion 54.00 (53.70 to 54.70): BF0

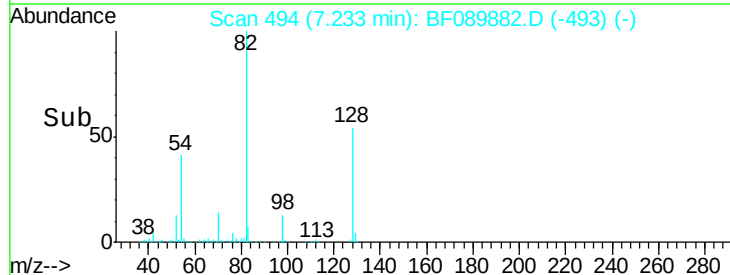
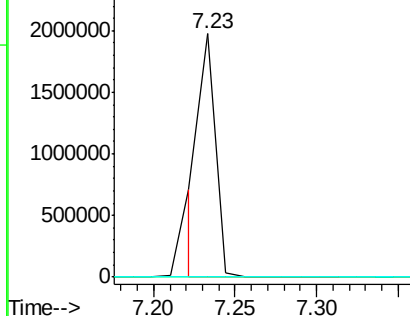


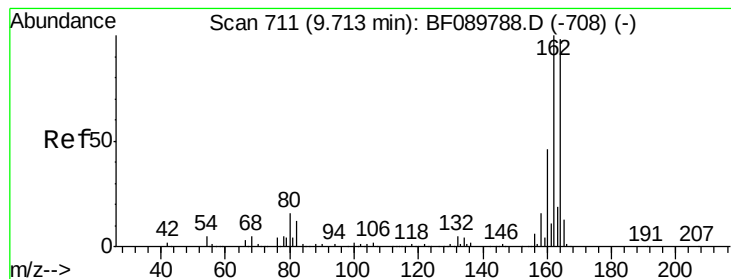
#25  
 Isophorone  
 Concen: 24.44 ng  
 RT: 7.23 min Scan# 494  
 Delta R.T. -0.29 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

Tgt Ion: 82 Resp: 1377983  
 Ion Ratio Lower Upper  
 82 100  
 95 0.0 5.3 7.9#  
 138 0.0 13.0 19.4#



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: 9.70 min Scan# 710

Delta R.T. -0.01 min

Lab File: BF089882.D

Acq: 24 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

TILCON-MH-DGA-005

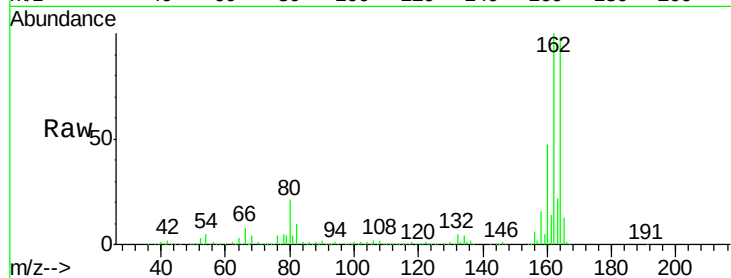
Tgt Ion:164 Resp: 793170

Ion Ratio Lower Upper

164 100

162 101.8 81.4 122.2

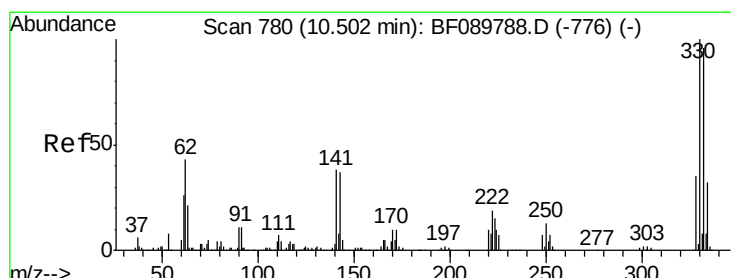
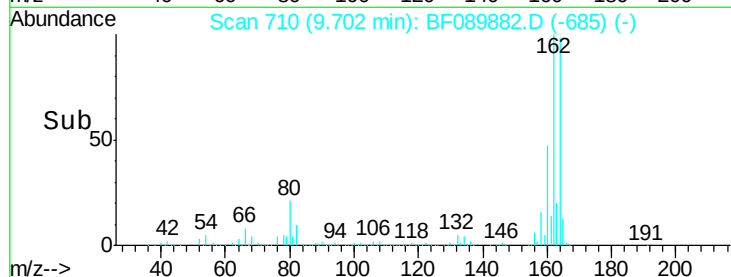
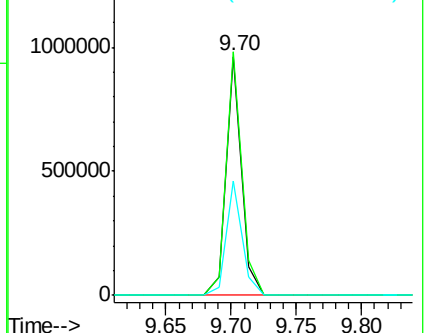
160 47.6 37.8 56.6



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: 90.66 ng

RT: 10.49 min Scan# 779

Delta R.T. -0.01 min

Lab File: BF089882.D

Acq: 24 Aug 2016 18:41

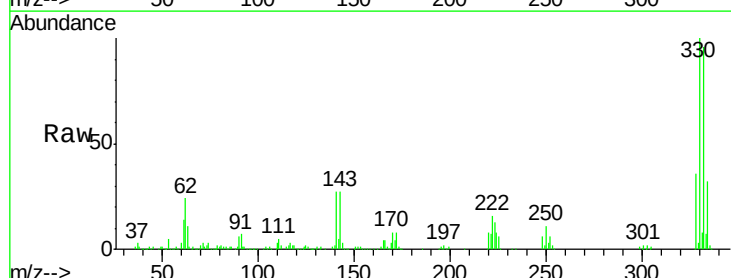
Tgt Ion:330 Resp: 683361

Ion Ratio Lower Upper

330 100

332 96.4 76.7 115.1

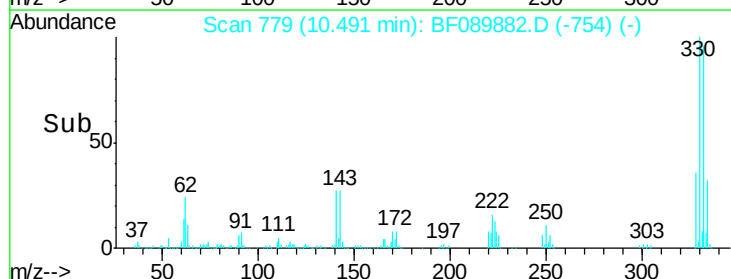
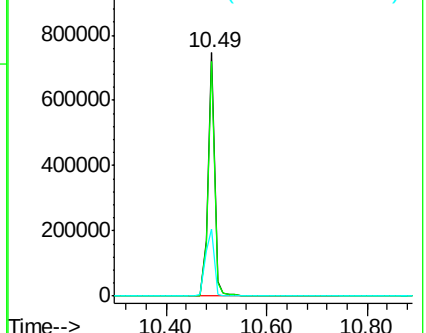
141 36.6 30.2 45.2

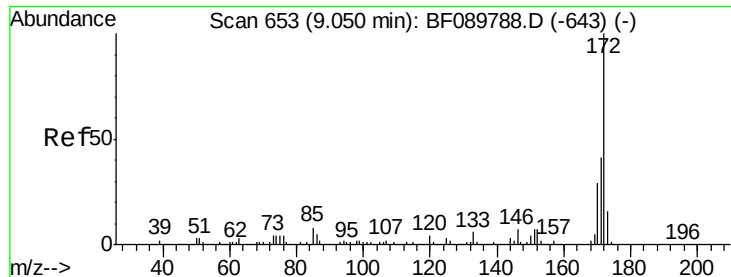


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

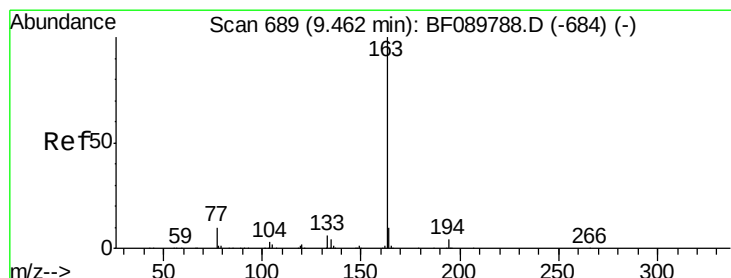
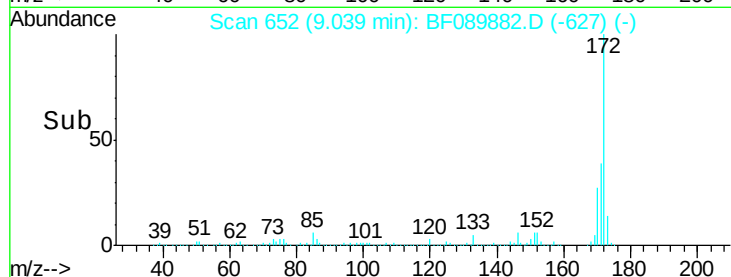
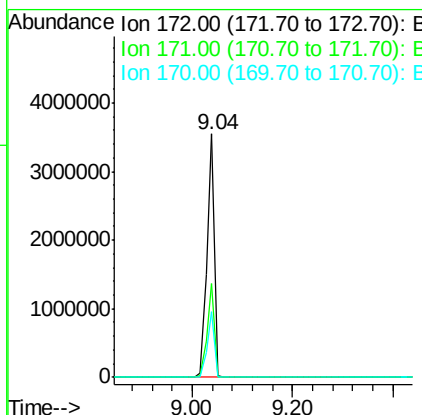
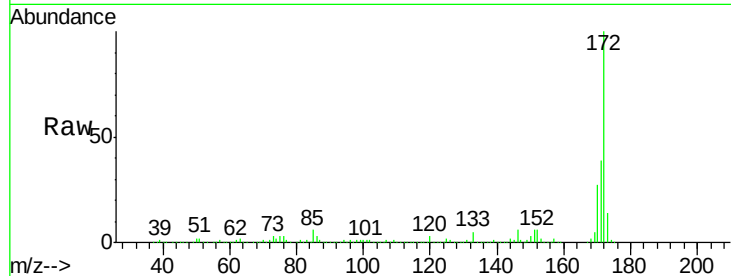




#44  
 2-Fluorobiphenyl  
 Concen: 78.68 ng  
 RT: 9.04 min Scan# 652  
 Delta R.T. -0.01 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

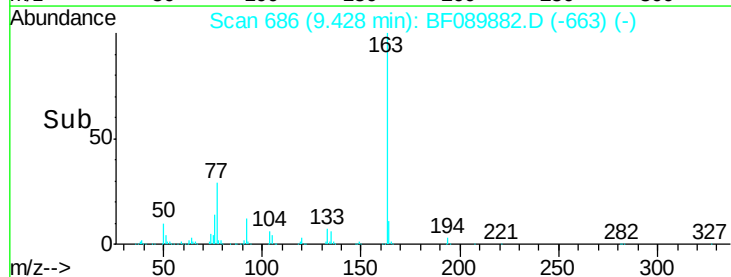
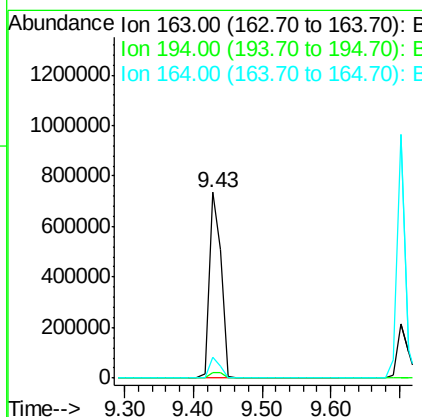
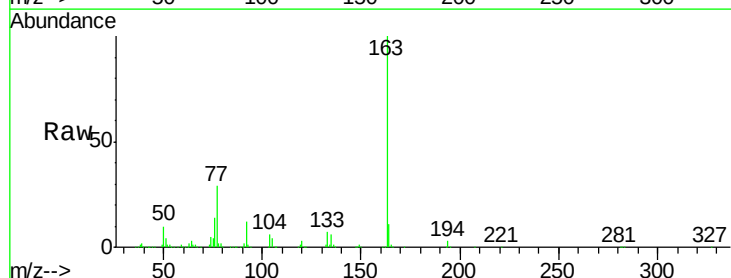
Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-DGA-005

Tgt Ion:172 Resp: 3550913  
 Ion Ratio Lower Upper  
 172 100  
 171 38.5 30.5 45.7  
 170 26.8 20.6 31.0

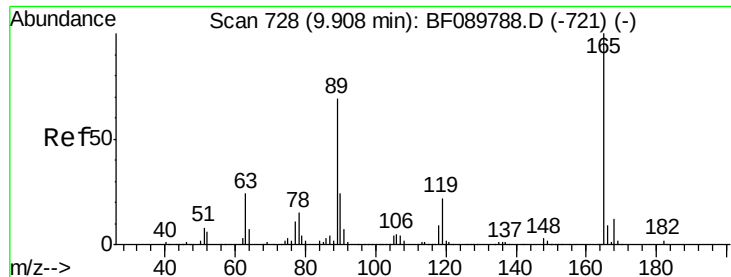


#49  
 Dimethylphthalate  
 Concen: 15.72 ng  
 RT: 9.43 min Scan# 686  
 Delta R.T. -0.03 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

Tgt Ion:163 Resp: 877998  
 Ion Ratio Lower Upper  
 163 100  
 194 2.8 2.6 3.8  
 164 11.1 8.6 12.8



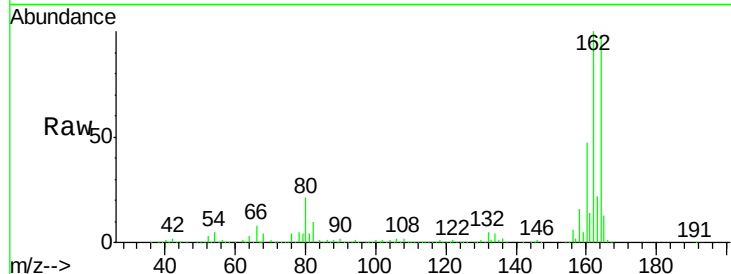




#56  
 2,4-Dinitrotoluene  
 Concen: 6.19 ng  
 RT: 9.70 min Scan# 710  
 Delta R.T. -0.21 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

Instrument :  
 BNA\_F  
 ClientSampleId :  
 TILCON-MH-DGA-005

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 103513 |       |       |
| 63      | 1.0   | 23.7   | 35.5# |       |
| 89      | 1.1   | 44.0   | 66.0# |       |
| 182     | 0.0   | 2.0    | 3.0#  |       |

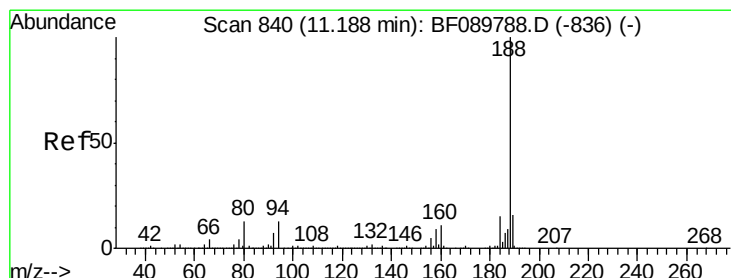
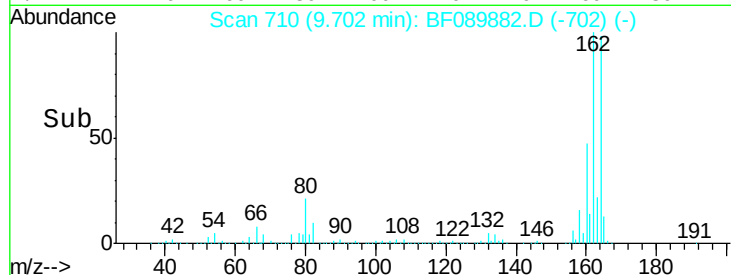
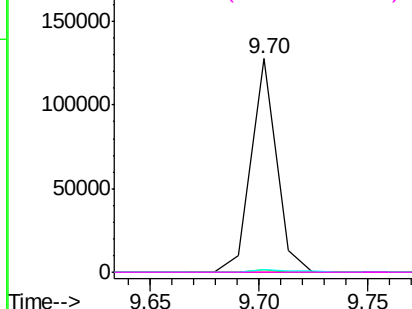


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

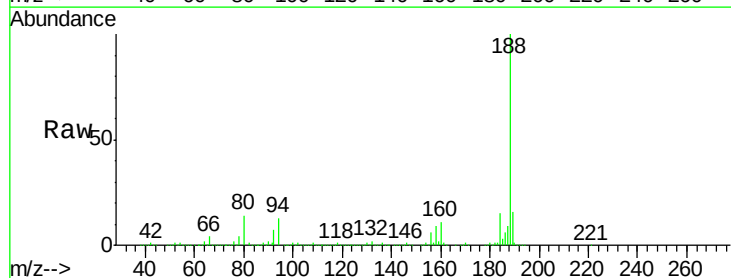
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 11.18 min Scan# 839  
 Delta R.T. -0.01 min  
 Lab File: BF089882.D  
 Acq: 24 Aug 2016 18:41

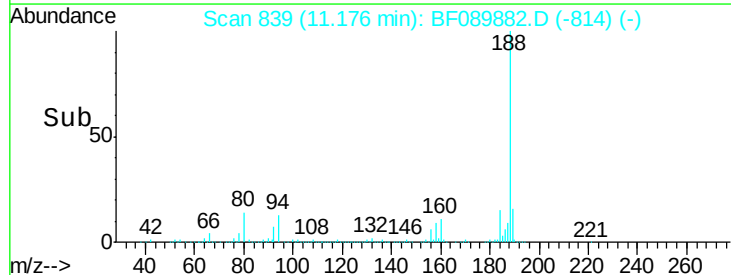
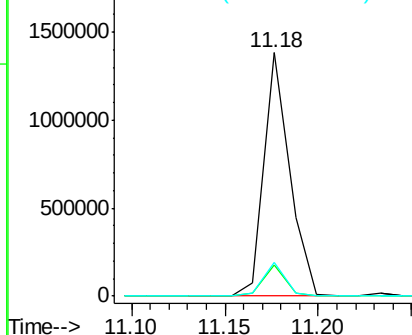
| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 188     | 100   | 1311448 |       |       |
| 94      | 12.8  | 10.2    | 15.2  |       |
| 80      | 13.7  | 10.9    | 16.3  |       |

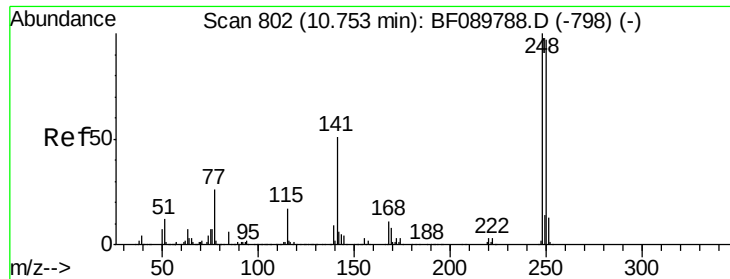


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

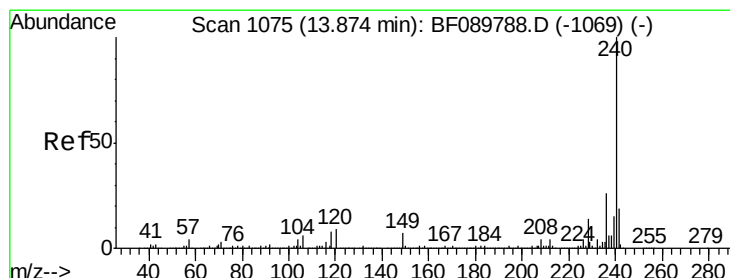
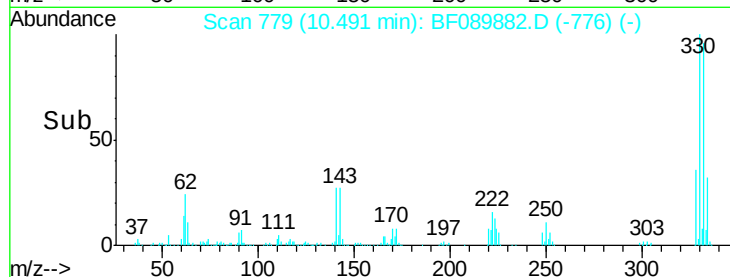
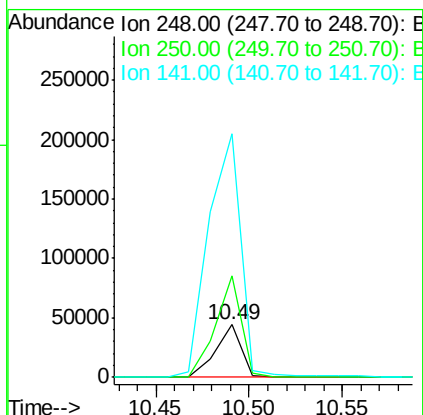
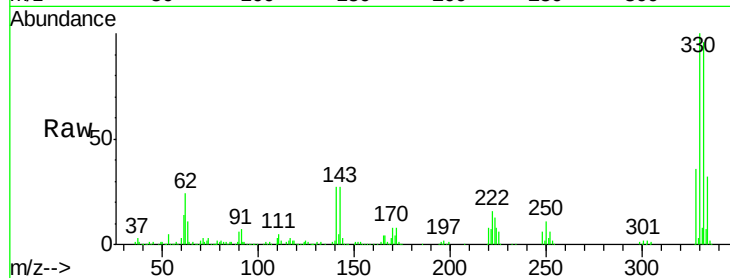




#66  
4-Bromophenyl-phenylether  
Concen: 3.08 ng  
RT: 10.49 min Scan# 779  
Delta R.T. -0.26 min  
Lab File: BF089882.D  
Acq: 24 Aug 2016 18:41

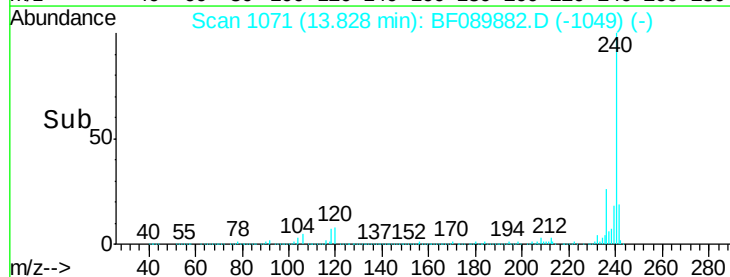
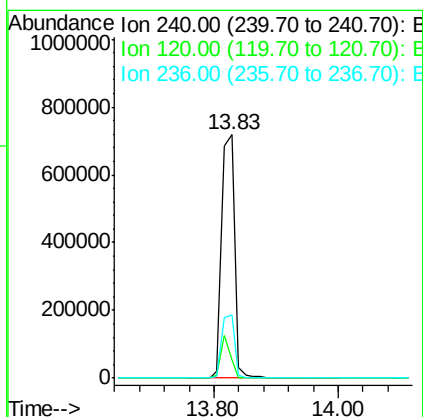
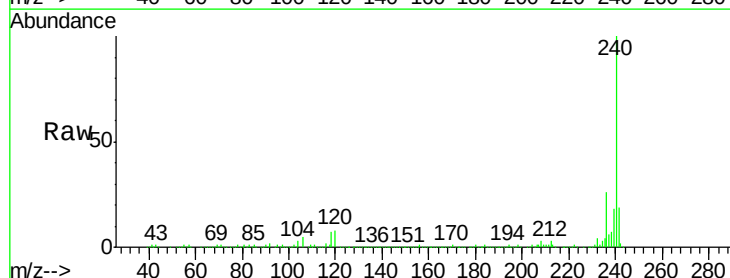
Instrument :  
BNA\_F  
ClientSampleId :  
TILCON-MH-DGA-005

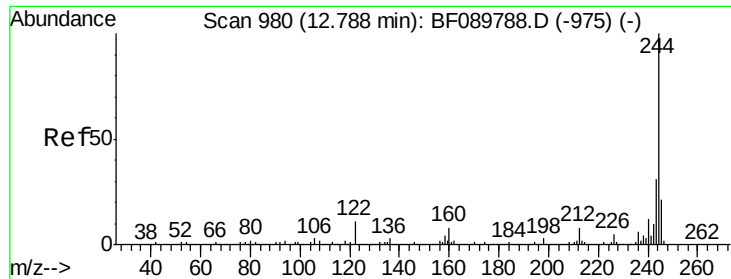
Tgt Ion:248 Resp: 42298  
Ion Ratio Lower Upper  
248 100  
250 192.3 78.6 117.8#  
141 463.4 31.4 47.2#



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 13.83 min Scan# 1071  
Delta R.T. -0.05 min  
Lab File: BF089882.D  
Acq: 24 Aug 2016 18:41

Tgt Ion:240 Resp: 1023404  
Ion Ratio Lower Upper  
240 100  
120 7.7 8.3 12.5#  
236 26.0 21.3 31.9





#78

Terphenyl-d14

Concen: 63.36 ng

RT: 12.78 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF089882.D

Acq: 24 Aug 2016 18:41

Instrument :

BNA\_F

ClientSampleId :

TILCON-MH-DGA-005

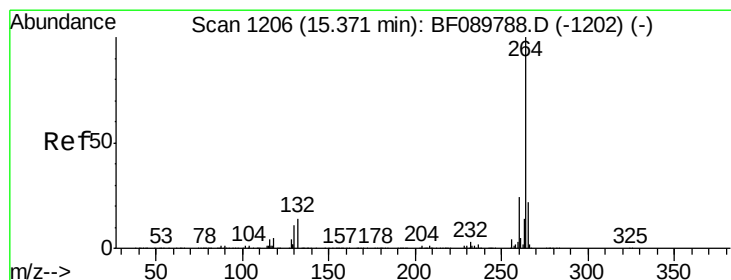
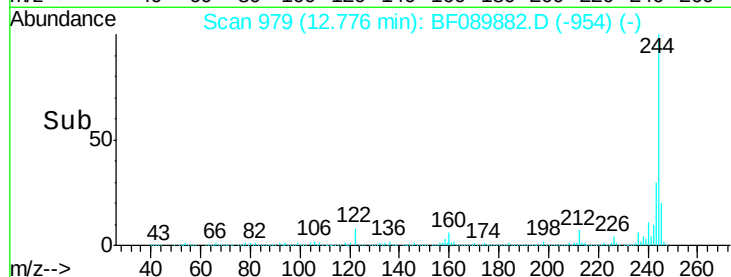
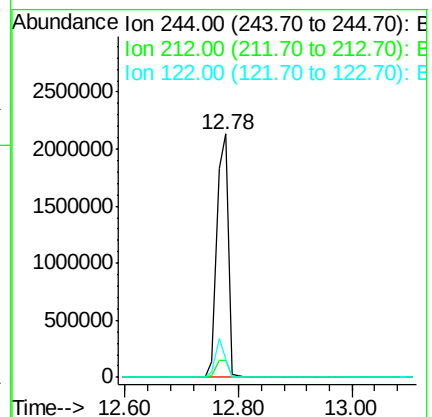
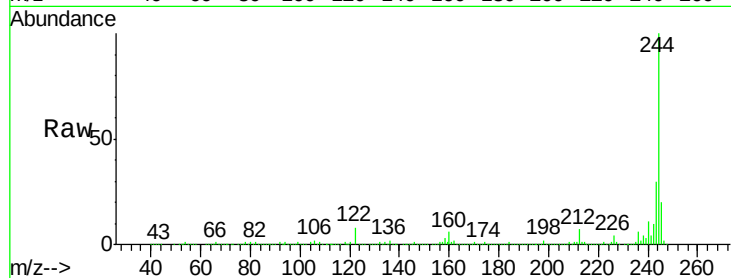
Tgt Ion:244 Resp: 2866083

Ion Ratio Lower Upper

244 100

212 6.9 6.3 9.5

122 7.6 12.0 18.0#



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 1197

Delta R.T. -0.10 min

Lab File: BF089882.D

Acq: 24 Aug 2016 18:41

Tgt Ion:264 Resp: 849277

Ion Ratio Lower Upper

264 100

260 23.8 20.2 30.2

265 21.7 17.4 26.2

