

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061515\  
 Data File : BG017704.D  
 Acq On : 16 Jun 2015 1:19  
 Operator : TP/IZ  
 Sample : SSTDCCC040  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDCCC040EC

Quant Time: Jun 16 09:05:50 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\625-TERPINEOL-BG061015.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jun 16 08:41:48 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.52  | 152  | 16869    | 20.00 | ng    | -0.05    |
| 4) Naphthalene-d8         | 10.31 | 136  | 61853    | 20.00 | ng    | -0.05    |
| 7) Acenaphthene-d10       | 14.20 | 164  | 46947    | 20.00 | ng    | -0.04    |
| 10) Phenanthrene-d10      | 16.96 | 188  | 140668   | 20.00 | ng    | -0.04    |
| 11) Chrysene-d12          | 21.16 | 240  | 209206   | 20.00 | ng    | -0.03    |
| 13) Perylene-d12          | 23.36 | 264  | 210960   | 20.00 | ng    | -0.05    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 2) 2-Fluorophenol           | 5.11  | 112  | 113919   | 133.82 | ng    | -0.05    |
| 3) Phenol-d6                | 6.73  | 99   | 153398   | 143.99 | ng    | -0.05    |
| 5) Nitrobenzene-d5          | 8.69  | 82   | 115984   | 103.09 | ng    | -0.05    |
| 8) 2,4,6-Tribromophenol     | 15.71 | 330  | 105164   | 184.70 | ng    | -0.04    |
| 9) 2-Fluorobiphenyl         | 12.82 | 172  | 279532   | 106.83 | ng    | -0.04    |
| 12) Terphenyl-d14           | 19.60 | 244  | 784972   | 75.43  | ng    | -0.04    |

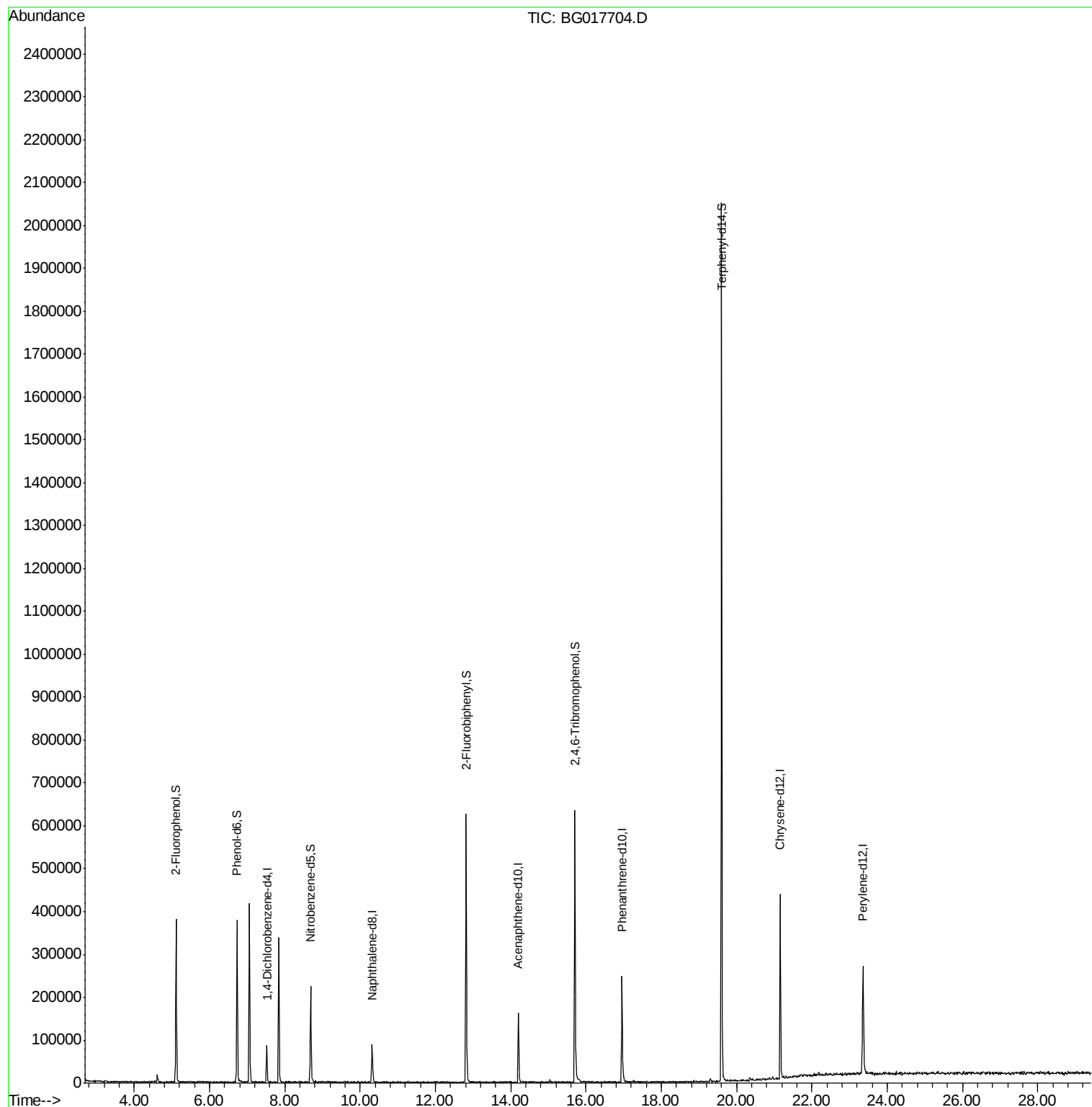
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

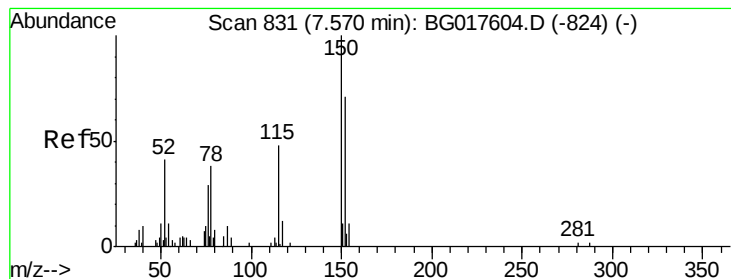
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\625-TERPINEOL-BG061015.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue Jun 16 08:41:48 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 823

Delta R.T. -0.05 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

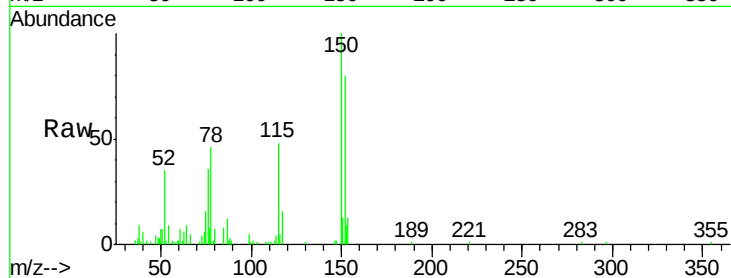
Tgt Ion:152 Resp: 16869

Ion Ratio Lower Upper

152 100

150 124.6 112.5 168.7

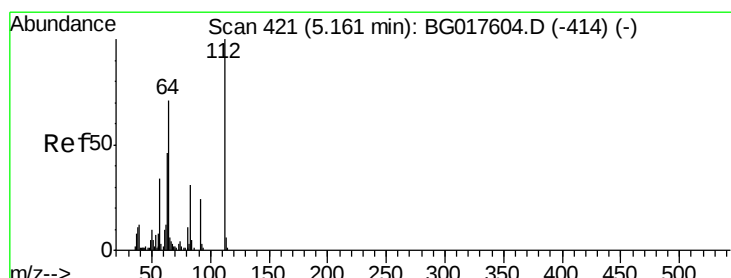
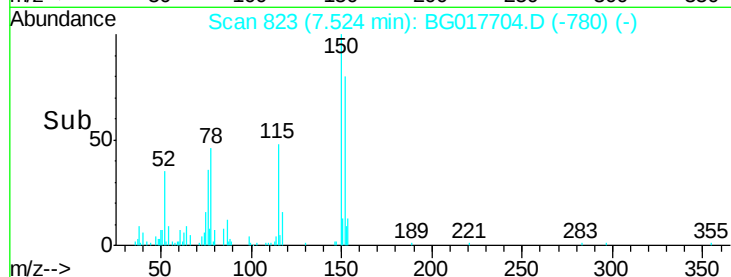
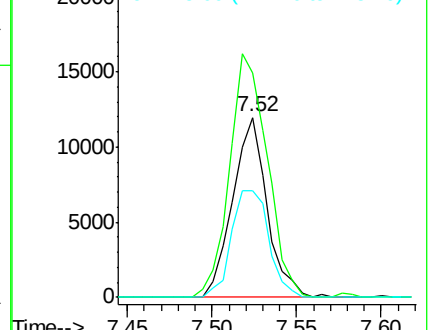
115 59.6 54.5 81.7



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



#2

2-Fluorophenol

Concen: 133.82 ng

RT: 5.11 min Scan# 412

Delta R.T. -0.05 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

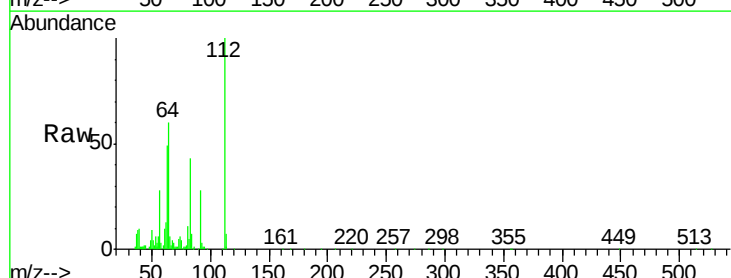
Tgt Ion:112 Resp: 113919

Ion Ratio Lower Upper

112 100

64 59.6 57.0 85.4

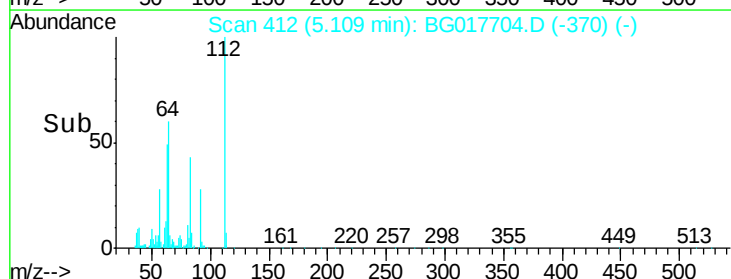
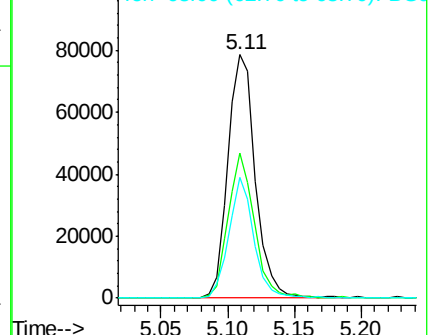
63 49.4 37.1 55.7

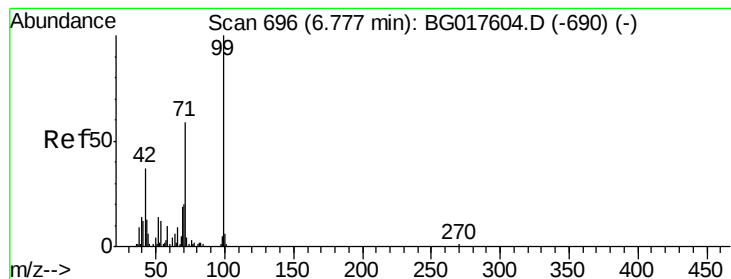


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#3

Phenol-d6

Concen: 143.99 ng

RT: 6.73 min Scan# 688

Delta R.T. -0.05 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

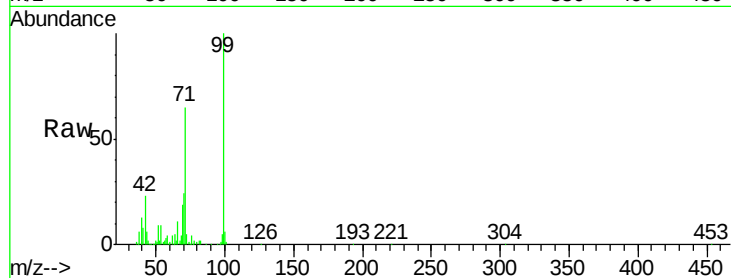
Tgt Ion: 99 Resp: 153398

Ion Ratio Lower Upper

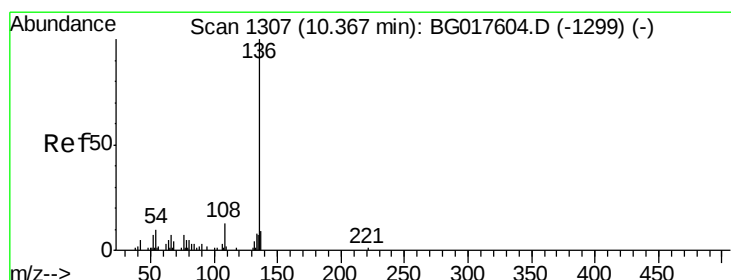
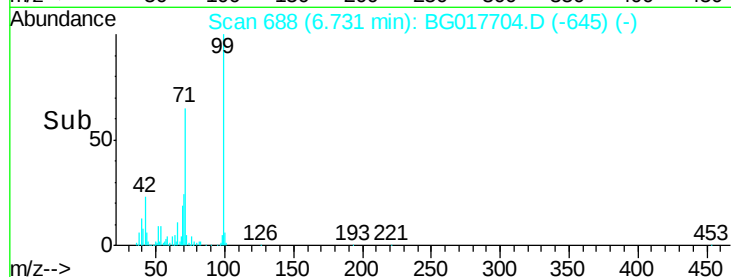
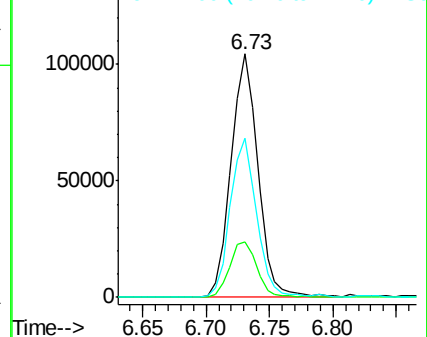
99 100

42 22.6 29.9 44.9#

71 65.1 47.3 70.9



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



#4

Naphthalene-d8

Concen: 20.00 ng

RT: 10.31 min Scan# 1298

Delta R.T. -0.05 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

Tgt Ion: 136 Resp: 61853

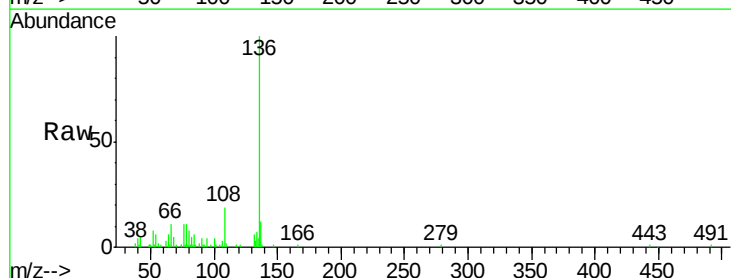
Ion Ratio Lower Upper

136 100

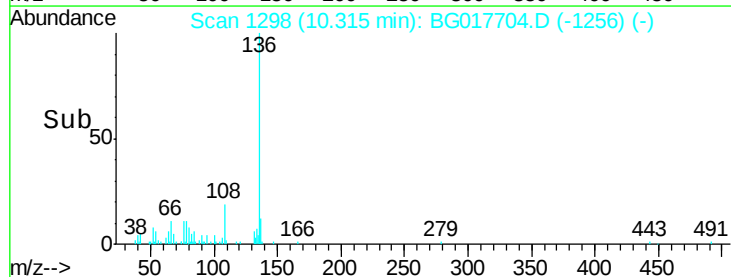
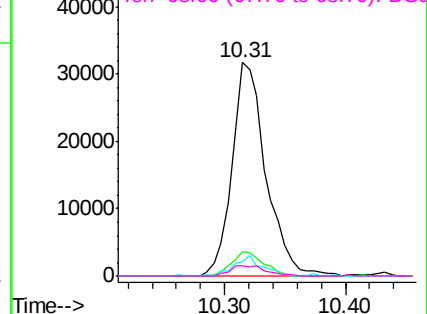
137 11.6 7.2 10.8#

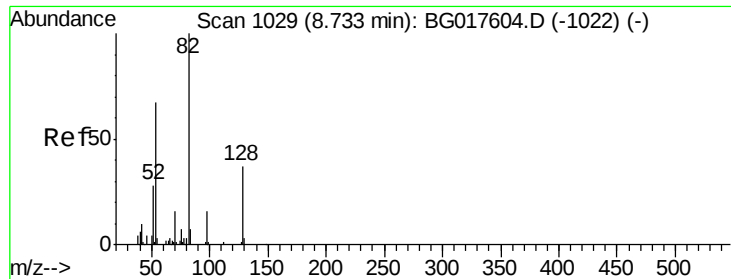
54 6.5 7.6 11.4#

68 5.1 3.0 4.6#



Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC





#5

Nitrobenzene-d5

Concen: 103.09 ng

RT: 8.69 min Scan# 1021

Delta R.T. -0.05 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

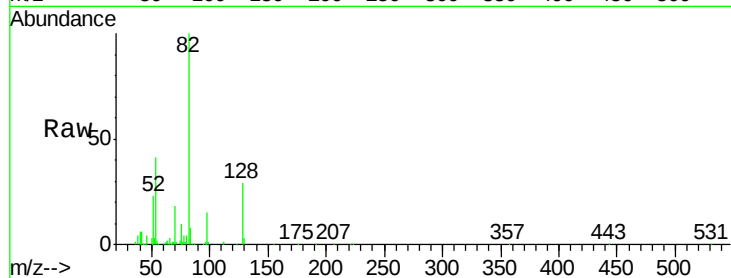
Tgt Ion: 82 Resp: 115984

Ion Ratio Lower Upper

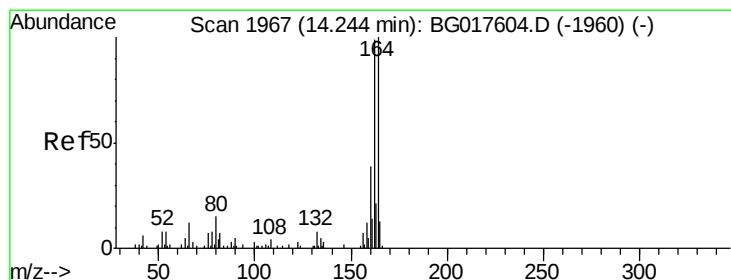
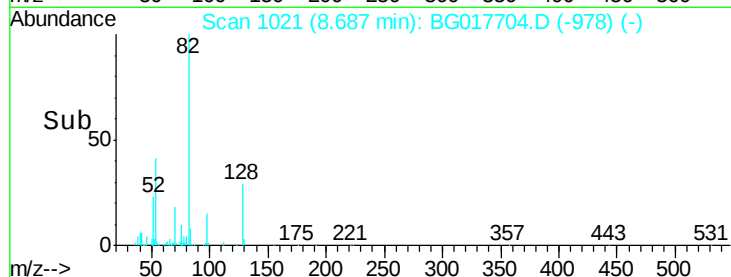
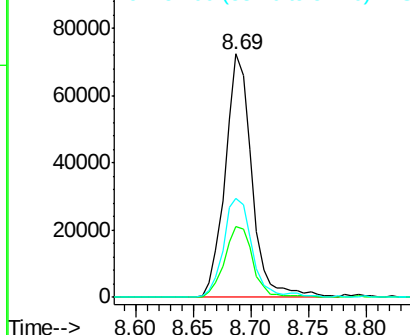
82 100

128 29.1 29.8 44.6#

54 40.9 53.9 80.9#



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



#7

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.20 min Scan# 1960

Delta R.T. -0.04 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

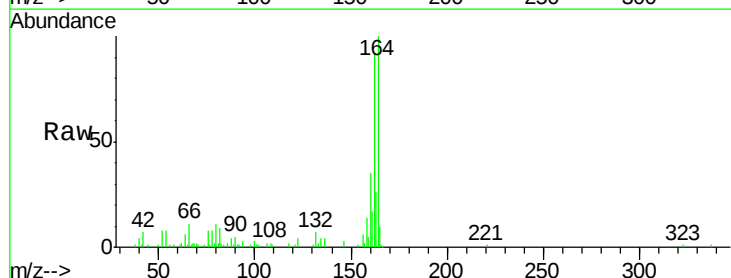
Tgt Ion: 164 Resp: 46947

Ion Ratio Lower Upper

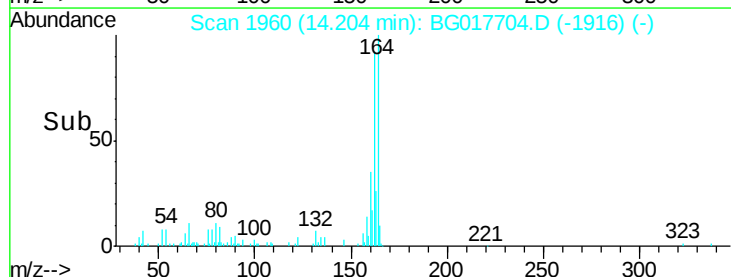
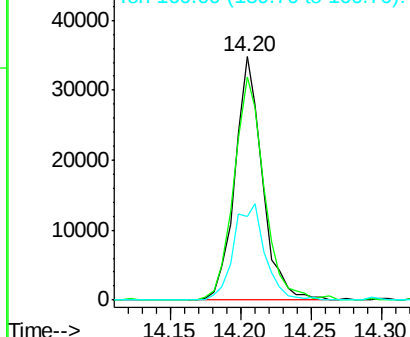
164 100

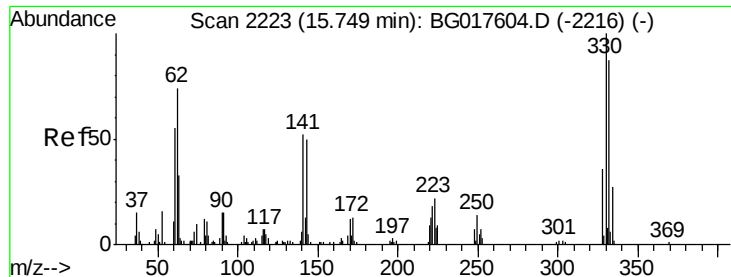
162 91.9 79.0 118.4

160 34.5 31.5 47.3



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





#8

2,4,6-Tribromophenol

Concen: 184.70 ng

RT: 15.71 min Scan# 2216

Delta R.T. -0.04 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

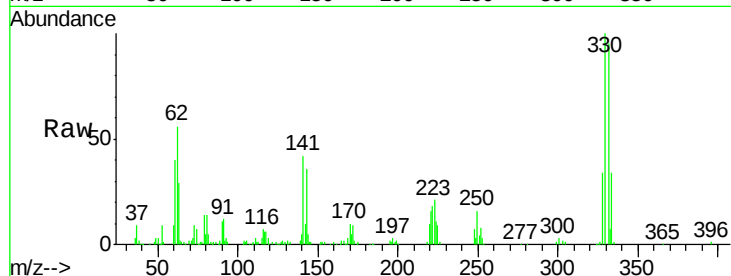
Tgt Ion:330 Resp: 105164

Ion Ratio Lower Upper

330 100

332 95.4 71.3 106.9

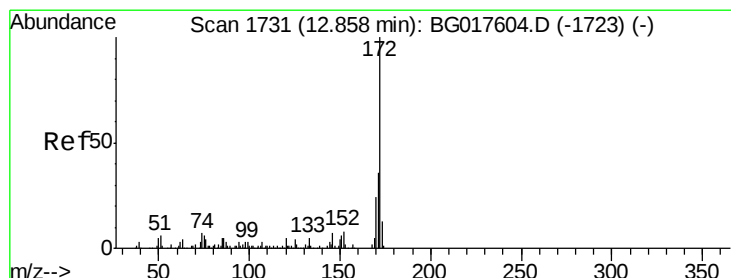
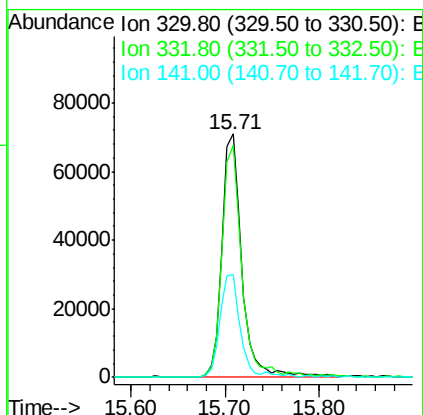
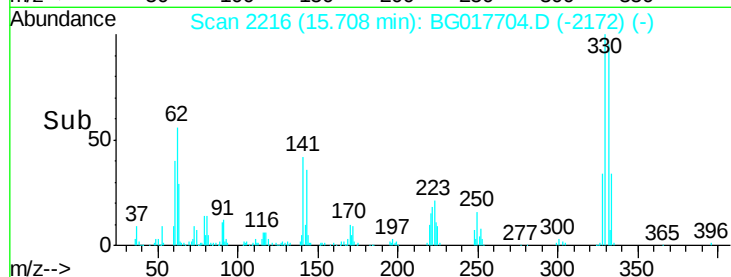
141 41.7 44.8 67.2#



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



#9

2-Fluorobiphenyl

Concen: 106.83 ng

RT: 12.82 min Scan# 1724

Delta R.T. -0.04 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

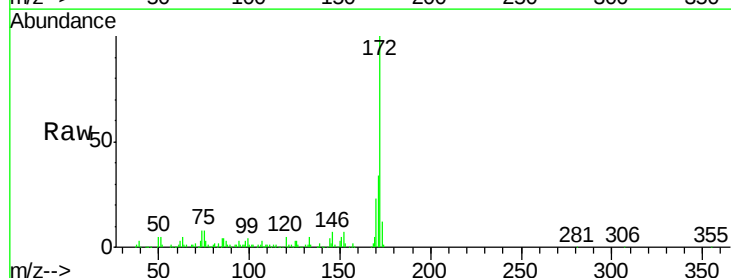
Tgt Ion:172 Resp: 279532

Ion Ratio Lower Upper

172 100

171 34.0 28.7 43.1

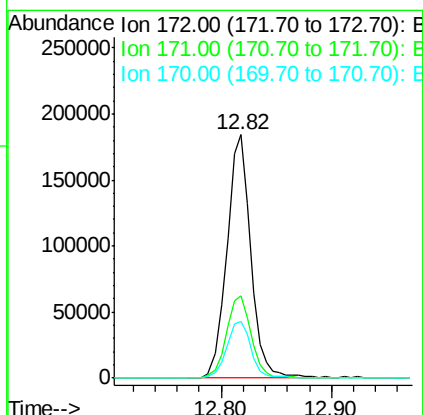
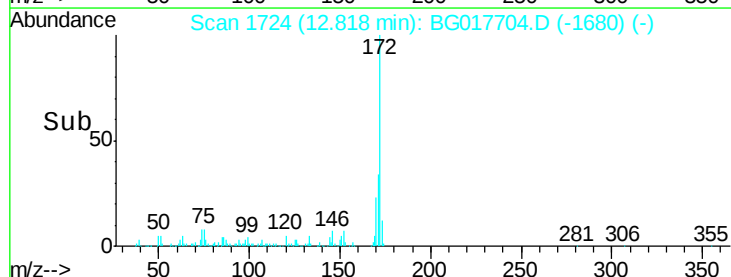
170 23.2 19.4 29.0

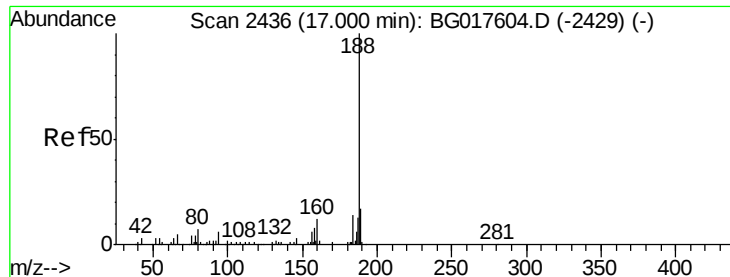


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

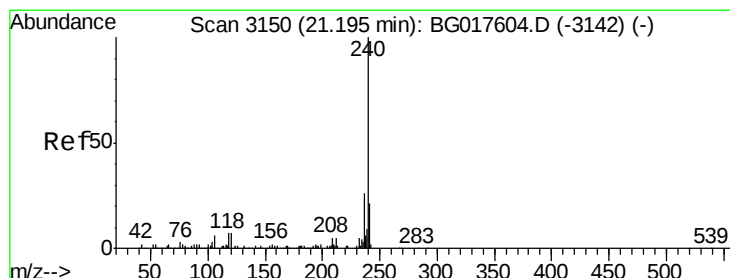
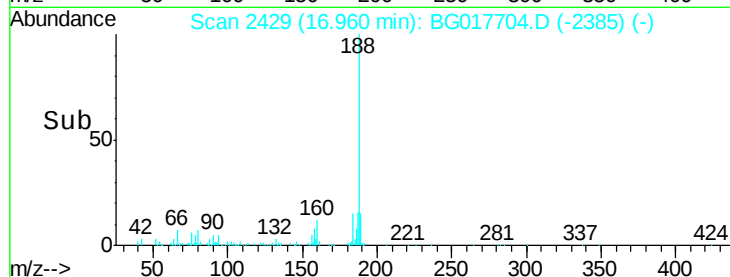
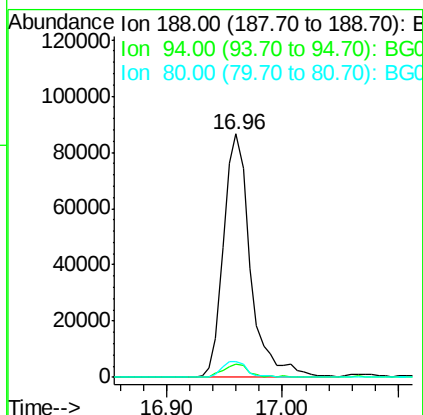
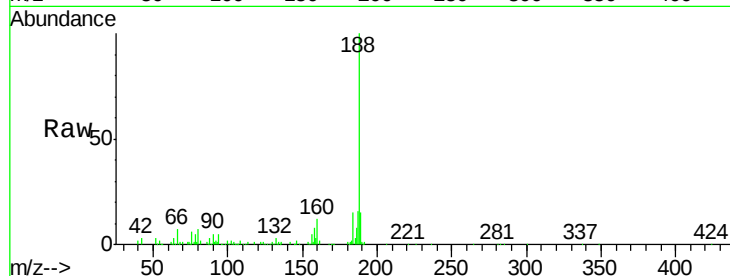




#10  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 16.96 min Scan# 2429  
Delta R.T. -0.04 min  
Lab File: BG017704.D  
Acq: 16 Jun 2015 1:19

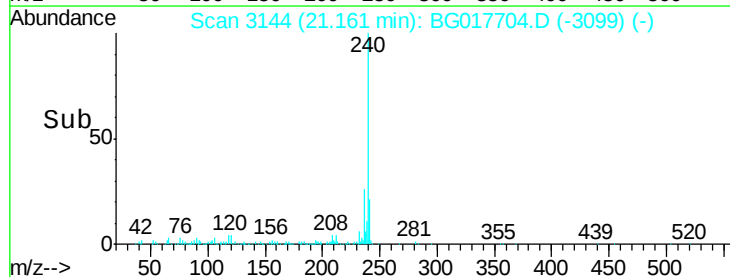
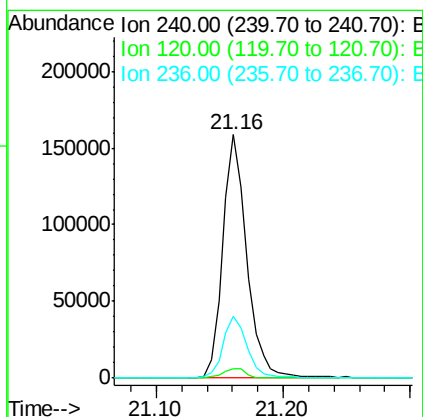
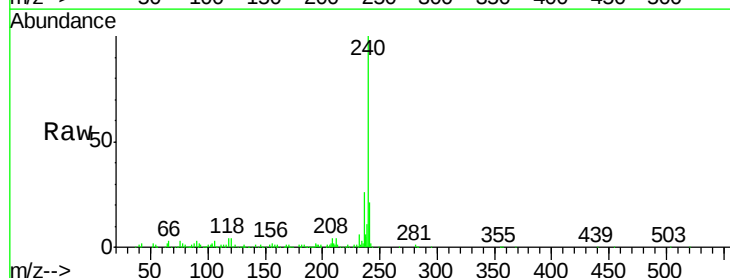
Instrument :  
BNA\_G  
ClientSampleId :  
SSTDCCC040EC

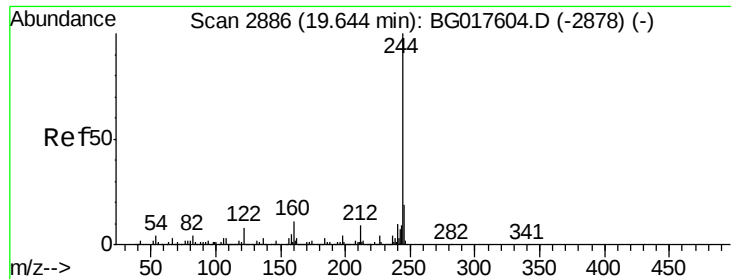
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 5.2   | 5.0   | 7.6   |
| 80      | 6.5   | 5.3   | 7.9   |



#11  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.16 min Scan# 3144  
Delta R.T. -0.03 min  
Lab File: BG017704.D  
Acq: 16 Jun 2015 1:19

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 3.8   | 5.4   | 8.0#  |
| 236     | 25.6  | 20.6  | 31.0  |





#12

Terphenyl-d14

Concen: 75.43 ng

RT: 19.60 min Scan# 2879

Delta R.T. -0.04 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

Instrument :

BNA\_G

ClientSampleId :

SSTDCCC040EC

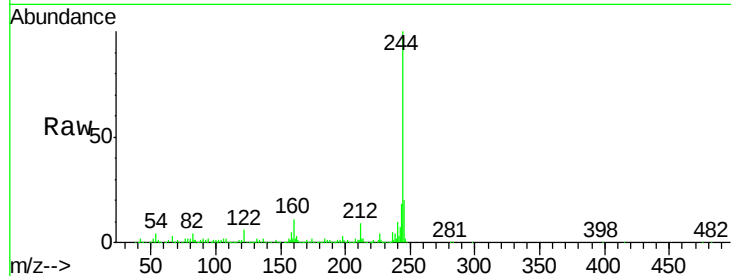
Tgt Ion:244 Resp: 784972

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.6

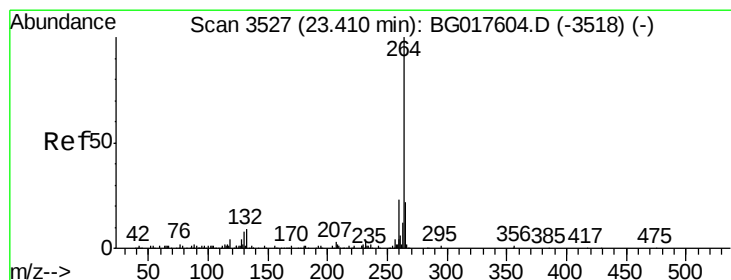
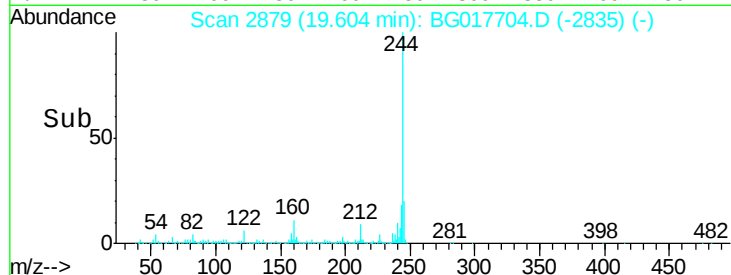
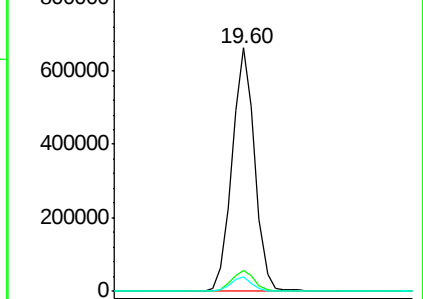
122 5.8 6.0 9.0#



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



#13

Perylene-d12

Concen: 20.00 ng

RT: 23.36 min Scan# 3518

Delta R.T. -0.05 min

Lab File: BG017704.D

Acq: 16 Jun 2015 1:19

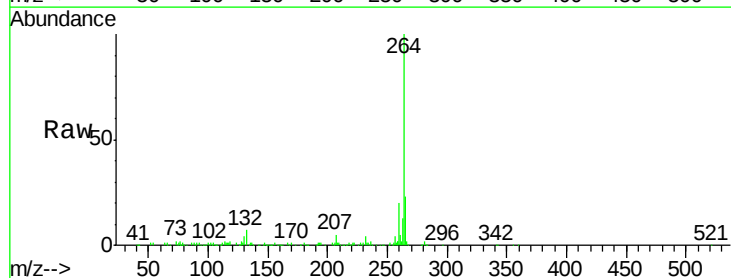
Tgt Ion:264 Resp: 210960

Ion Ratio Lower Upper

264 100

260 20.0 18.6 27.8

265 22.7 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

