

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG061615\  
 Data File : BG017707.D  
 Acq On : 17 Jun 2015 3:18  
 Operator : TP/IZ  
 Sample : SSTDICC010  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 SSTDICC010

Quant Time: Jun 17 07:00:03 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\625-TERPINEOL-BG061615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jun 17 06:53:20 2015  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.51  | 152  | 17710    | 20.00 | ng    | 0.00     |
| 4) Naphthalene-d8         | 10.31 | 136  | 65364    | 20.00 | ng    | 0.00     |
| 7) Acenaphthene-d10       | 14.19 | 164  | 55636    | 20.00 | ng    | 0.00     |
| 10) Phenanthrene-d10      | 16.95 | 188  | 155901   | 20.00 | ng    | 0.00     |
| 11) Chrysene-d12          | 21.15 | 240  | 250190   | 20.00 | ng    | 0.00     |
| 13) Perylene-d12          | 23.33 | 264  | 219725   | 20.00 | ng    | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|-----------------------------|-------|------|----------|-------|-------|----------|
| 2) 2-Fluorophenol           | 5.10  | 112  | 15903    | 18.05 | ng    | 0.00     |
| 3) Phenol-d6                | 6.72  | 99   | 18604    | 16.91 | ng    | 0.00     |
| 5) Nitrobenzene-d5          | 8.68  | 82   | 25825    | 21.33 | ng    | 0.00     |
| 8) 2,4,6-Tribromophenol     | 15.70 | 330  | 12021    | 18.01 | ng    | 0.00     |
| 9) 2-Fluorobiphenyl         | 12.80 | 172  | 64124    | 20.45 | ng    | 0.00     |
| 12) Terphenyl-d14           | 19.59 | 244  | 210654   | 17.29 | ng    | 0.00     |

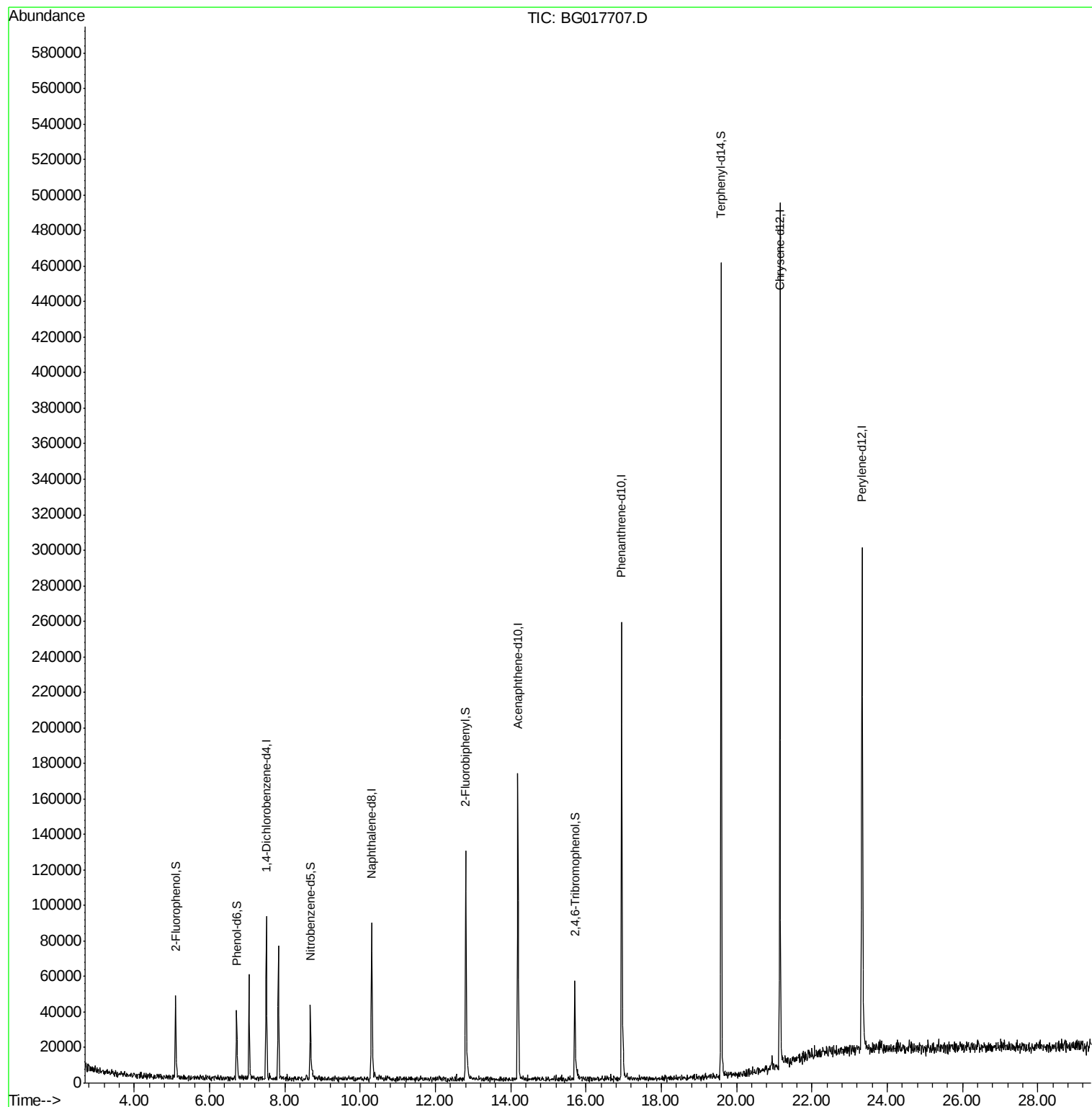
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

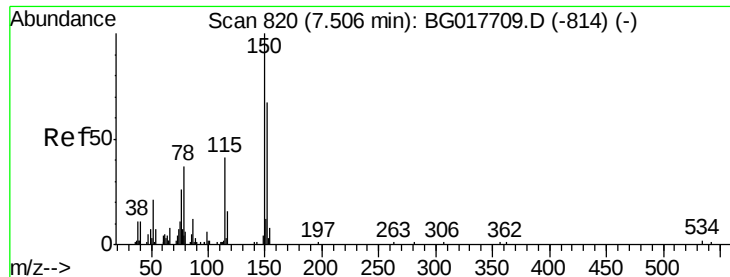
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jun 17 06:53:20 2015  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.51 min Scan# 821

Delta R.T. 0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

SSTDIC010

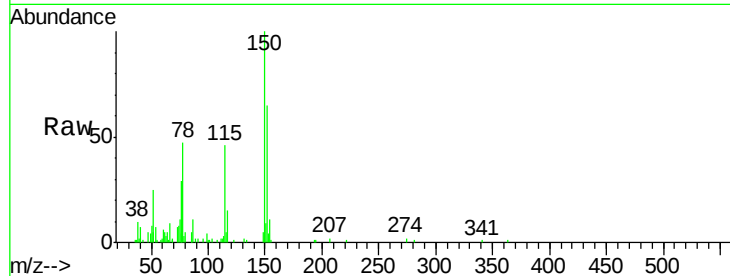
Tgt Ion:152 Resp: 17710

Ion Ratio Lower Upper

152 100

150 152.9 119.8 179.6

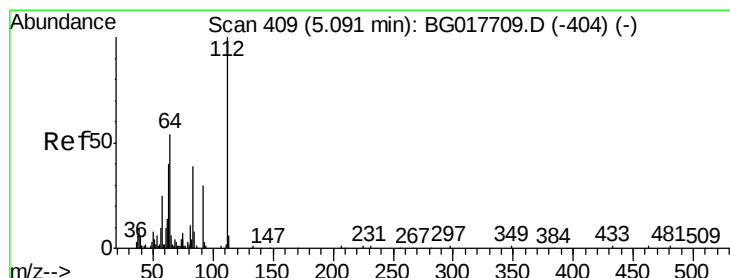
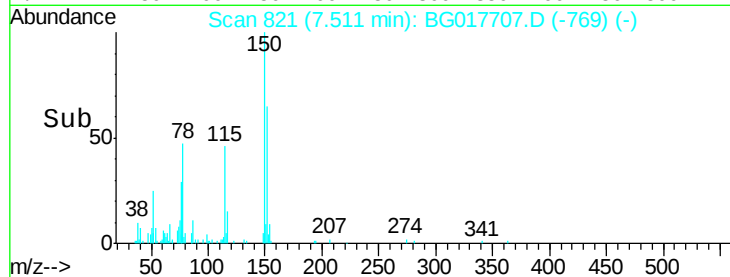
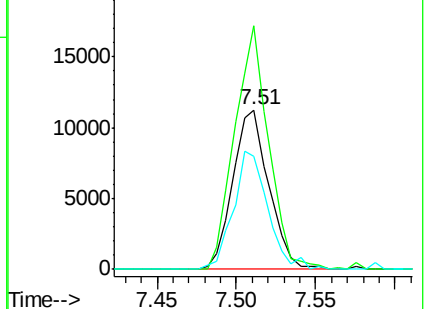
115 70.9 49.6 74.4



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: 18.05 ng

RT: 5.10 min Scan# 410

Delta R.T. 0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

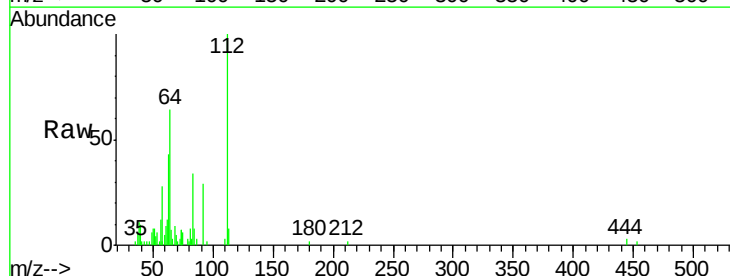
Tgt Ion:112 Resp: 15903

Ion Ratio Lower Upper

112 100

64 64.5 43.5 65.3

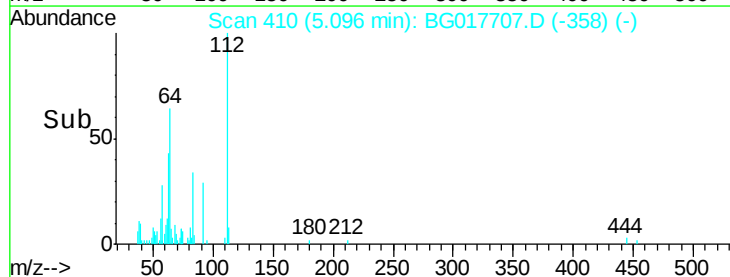
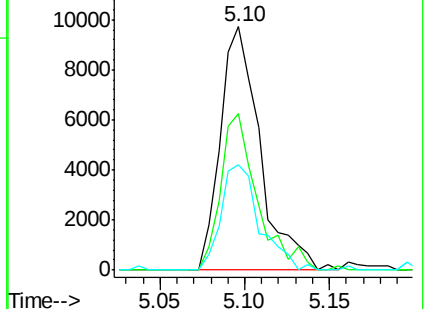
63 43.4 32.2 48.2

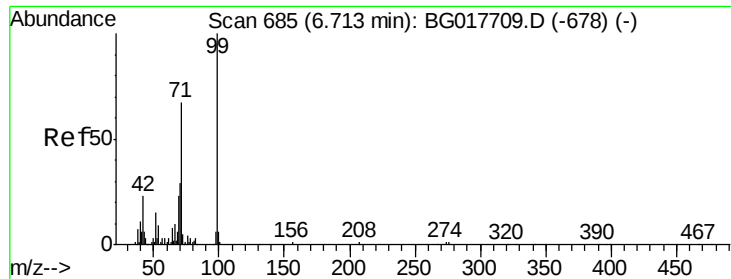


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#3

Phenol-d6

Concen: 16.91 ng

RT: 6.72 min Scan# 686

Delta R.T. 0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

SSTDICC010

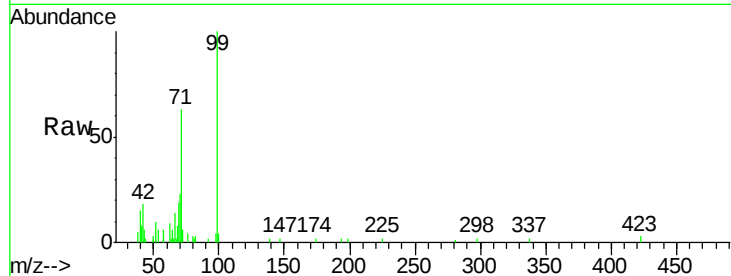
Tgt Ion: 99 Resp: 18604

Ion Ratio Lower Upper

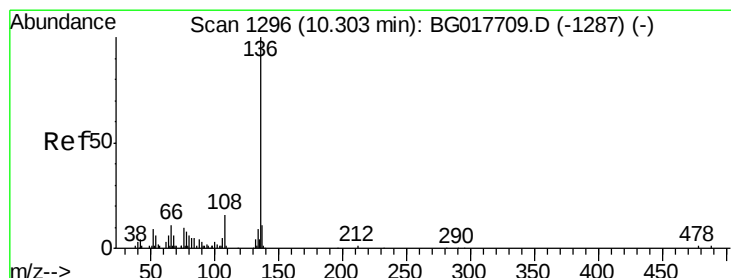
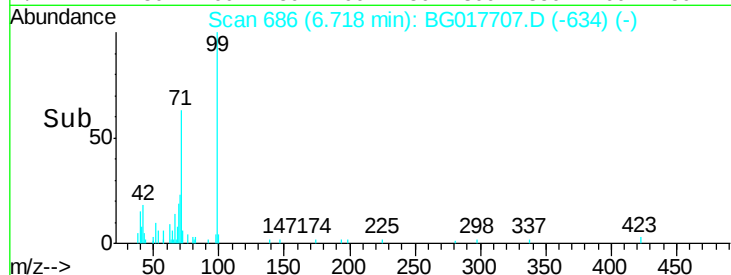
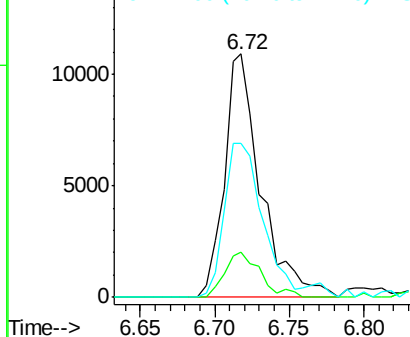
99 100

42 18.4 18.8 28.2#

71 63.1 53.8 80.8



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# 1297

Delta R.T. 0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

Tgt Ion: 136 Resp: 65364

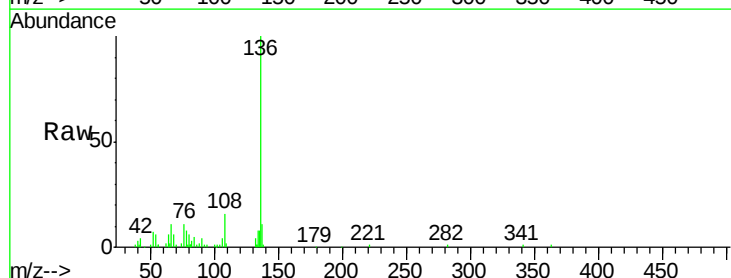
Ion Ratio Lower Upper

136 100

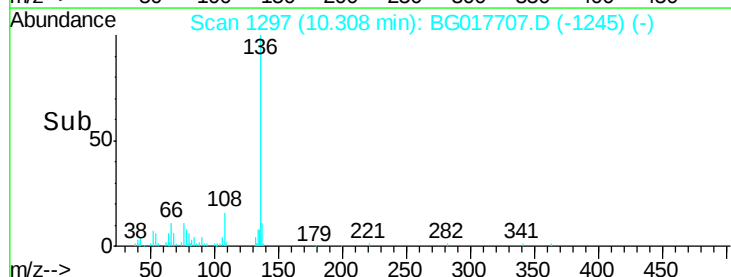
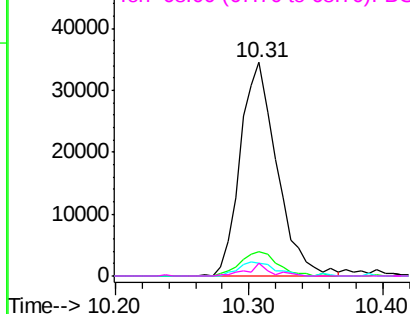
137 11.4 9.0 13.4

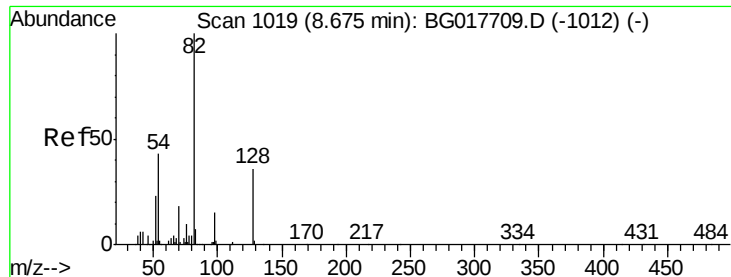
54 6.0 4.4 6.6

68 6.0 5.0 7.6



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: 21.33 ng

RT: 8.68 min Scan# 1020

Delta R.T. 0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

SSTDIC010

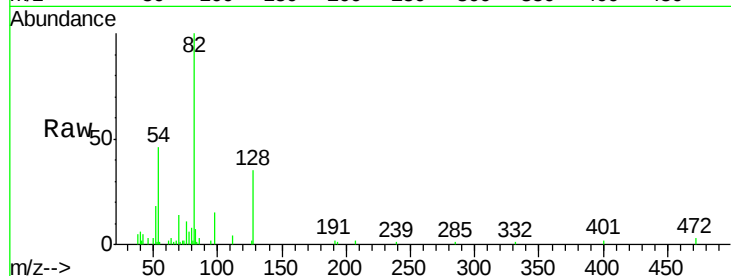
Tgt Ion: 82 Resp: 25825

Ion Ratio Lower Upper

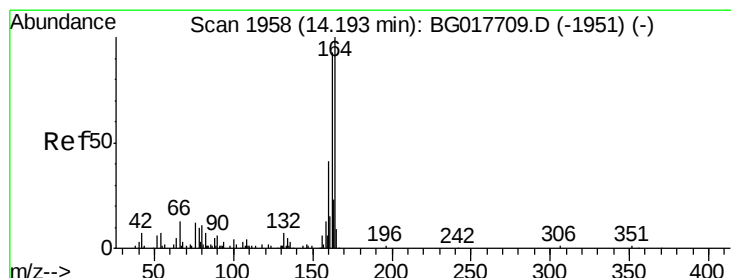
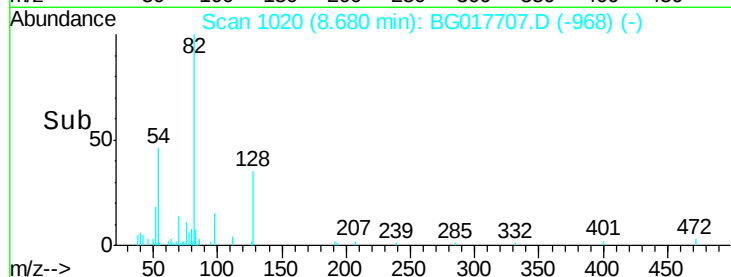
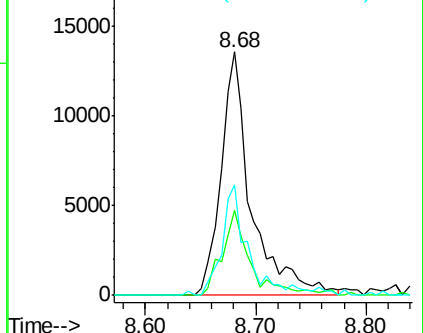
82 100

128 34.8 29.0 43.4

54 45.6 34.5 51.7



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: 14.19 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

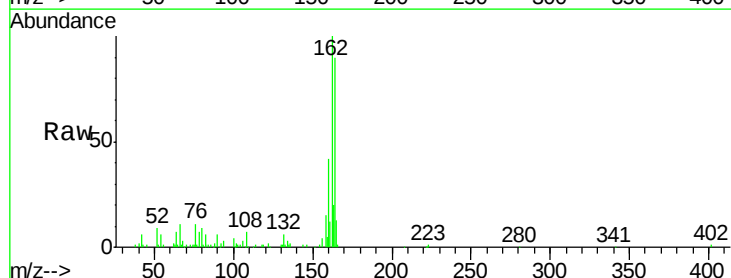
Tgt Ion: 164 Resp: 55636

Ion Ratio Lower Upper

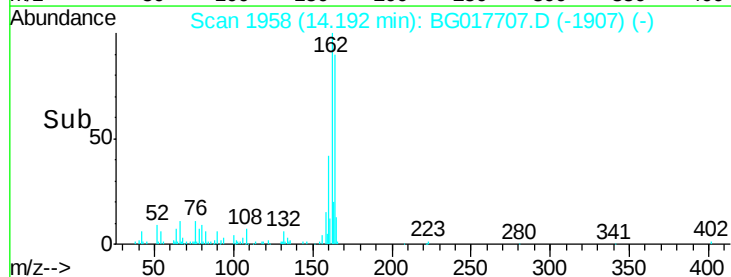
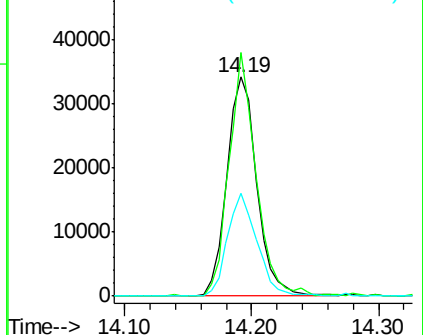
164 100

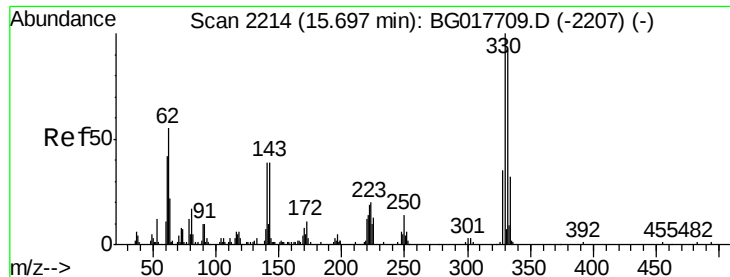
162 111.1 74.5 111.7

160 47.1 32.7 49.1



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: 18.01 ng

RT: 15.70 min Scan# 2215

Delta R.T. 0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

SSTDIC010

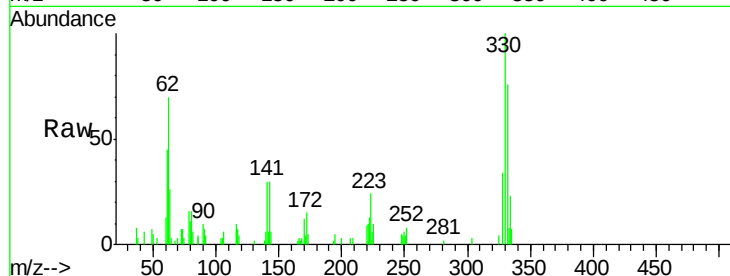
Tgt Ion:330 Resp: 12021

Ion Ratio Lower Upper

330 100

332 79.9 77.7 116.5

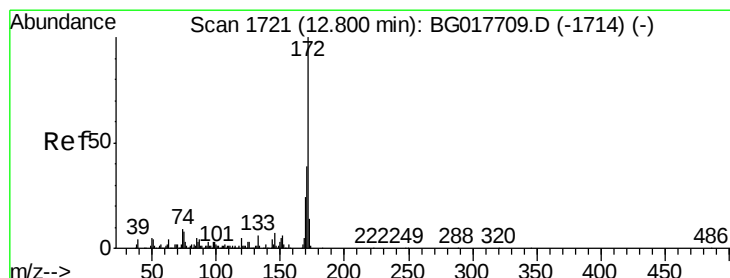
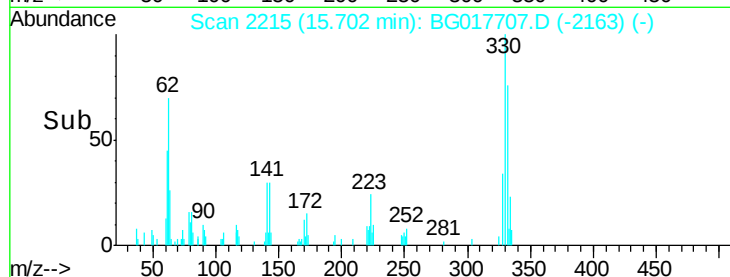
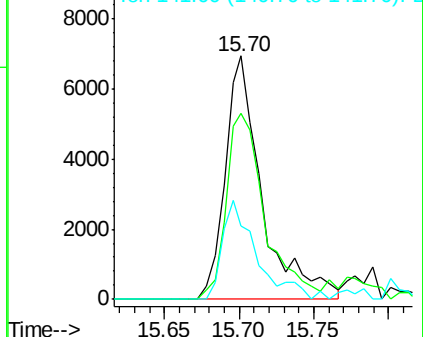
141 37.3 37.0 55.4



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: 20.45 ng

RT: 12.80 min Scan# 1722

Delta R.T. 0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

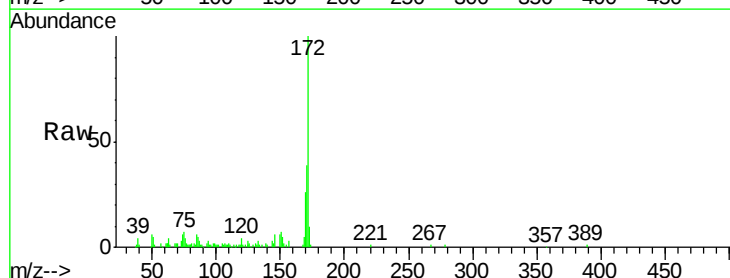
Tgt Ion:172 Resp: 64124

Ion Ratio Lower Upper

172 100

171 38.9 31.1 46.7

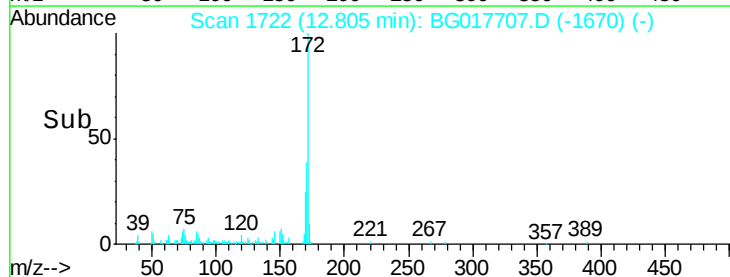
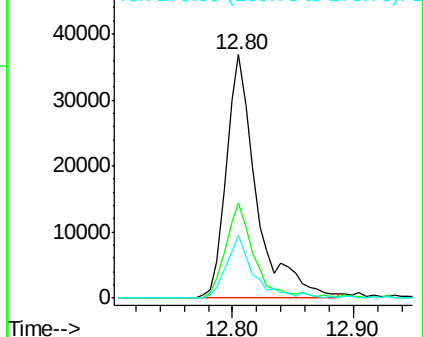
170 25.7 19.0 28.4

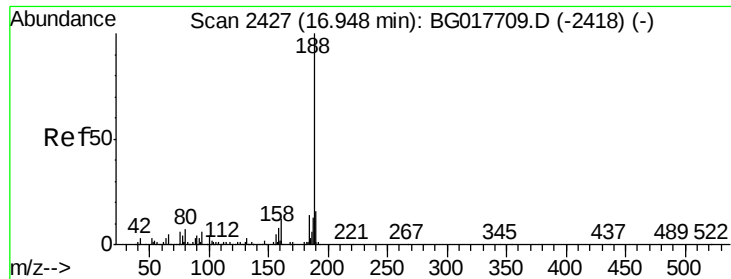


Abundance Ion 172.00 (171.70 to 172.70): E

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: 16.95 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

SSTDICC010

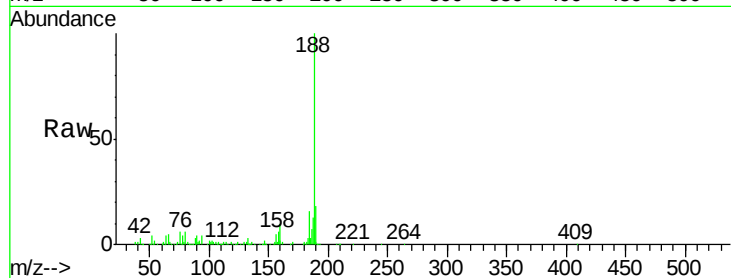
Tgt Ion:188 Resp: 155901

Ion Ratio Lower Upper

188 100

94 4.4 4.6 7.0#

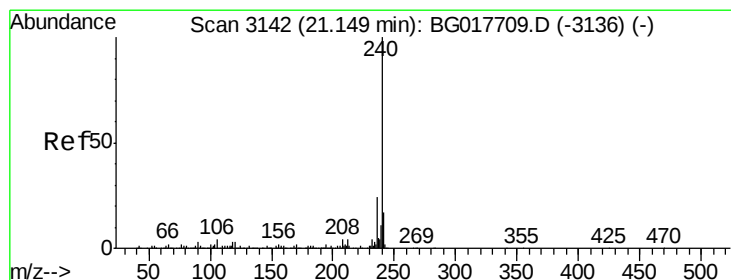
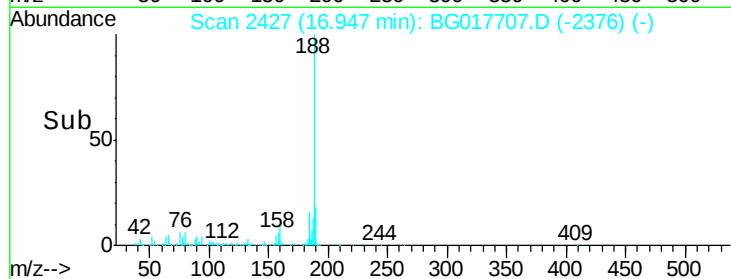
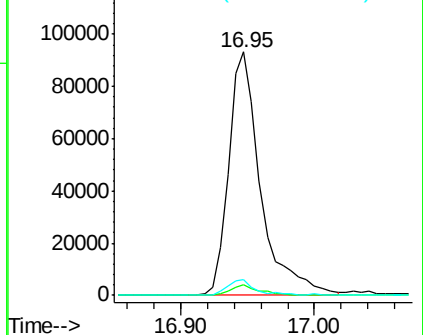
80 6.3 5.6 8.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#11

Chrysene-d12

Concen: 20.00 ng

RT: 21.15 min Scan# 3142

Delta R.T. -0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

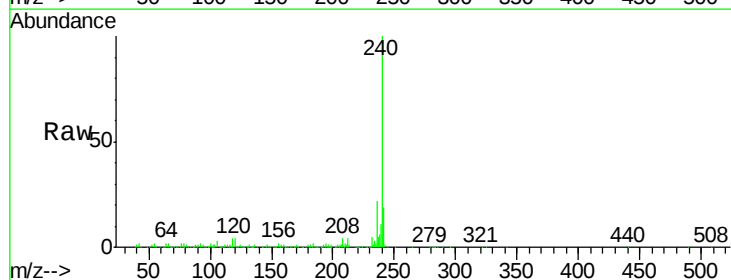
Tgt Ion:240 Resp: 250190

Ion Ratio Lower Upper

240 100

120 3.6 2.4 3.6#

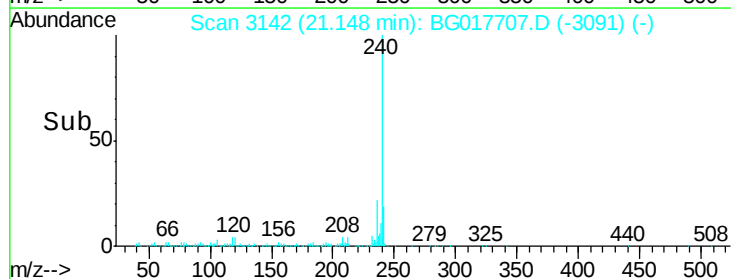
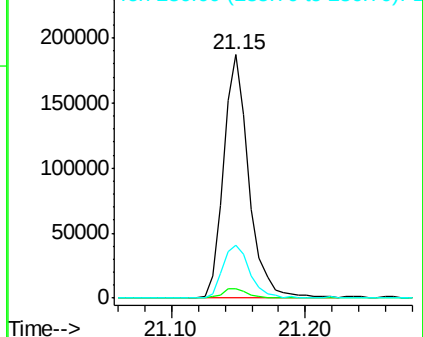
236 21.7 19.5 29.3

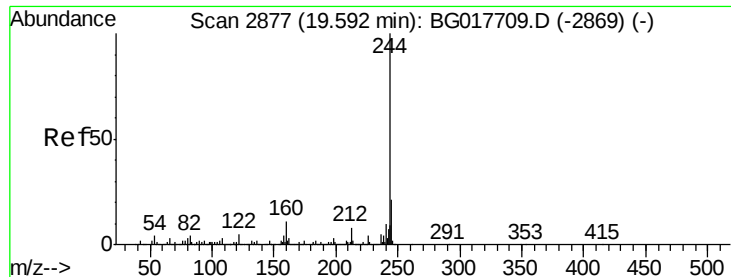


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#12

Terphenyl-d14

Concen: 17.29 ng

RT: 19.59 min Scan# 2877

Delta R.T. -0.00 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

Instrument :

BNA\_G

ClientSampleId :

SSTDIC010

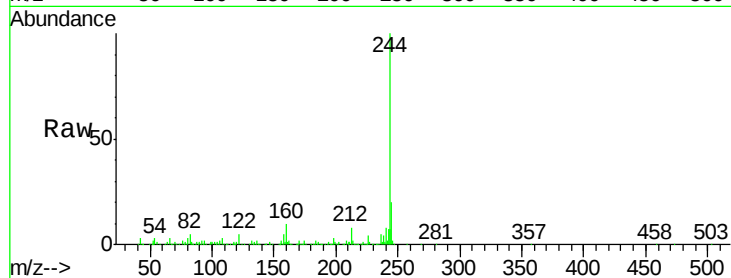
Tgt Ion:244 Resp: 210654

Ion Ratio Lower Upper

244 100

212 8.5 6.7 10.1

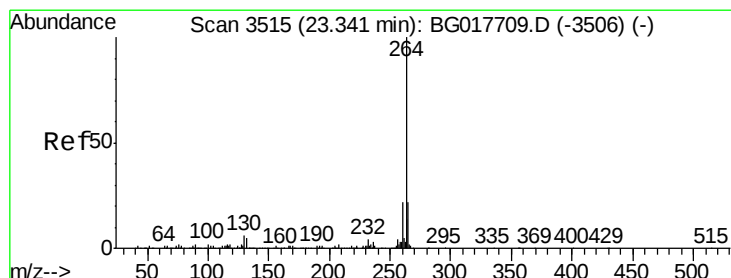
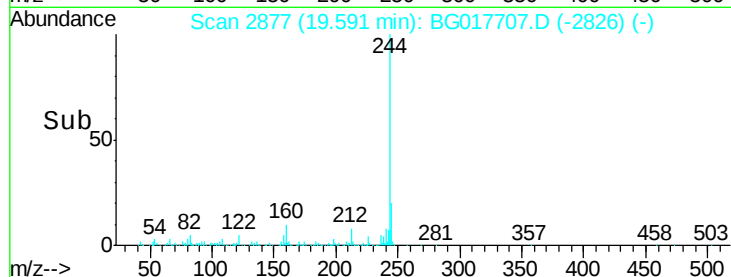
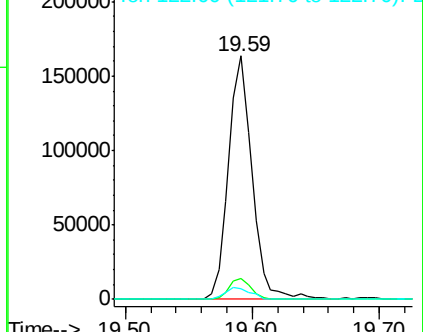
122 4.6 4.3 6.5



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: 23.33 min Scan# 3514

Delta R.T. -0.01 min

Lab File: BG017707.D

Acq: 17 Jun 2015 3:18

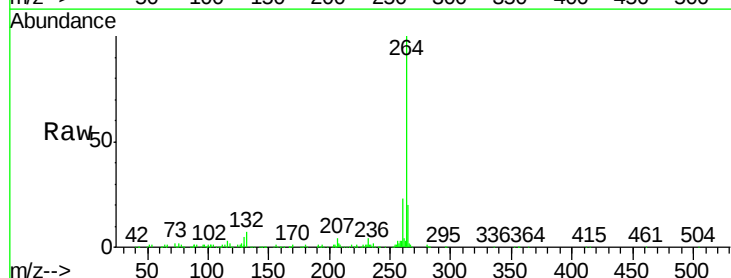
Tgt Ion:264 Resp: 219725

Ion Ratio Lower Upper

264 100

260 23.0 17.3 25.9

265 20.4 17.9 26.9



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

