

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG032615\  
 Data File : BG016152.D  
 Acq On : 26 Mar 2015 22:07  
 Operator : TP/IZ  
 Sample : PB82341BL  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB82341BL

Quant Time: Mar 27 02:47:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG032515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 27 03:23:37 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 47677    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.58 | 136  | 201061   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.41 | 164  | 128407   | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.15 | 188  | 300589   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.32 | 240  | 320678   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 23.61 | 264  | 312606   | 20.00  | ng    | -0.01    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.38  | 112  | 372240   | 130.67 | ng    | 0.00     |
| 7) Phenol-d6                | 6.96  | 99   | 503554   | 126.99 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.94  | 82   | 252840   | 77.97  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 15.90 | 330  | 194686   | 132.04 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.04 | 172  | 649073   | 84.61  | ng    | 0.00     |
| 78) Terphenyl-d14           | 19.78 | 244  | 1096607  | 86.12  | ng    | 0.00     |

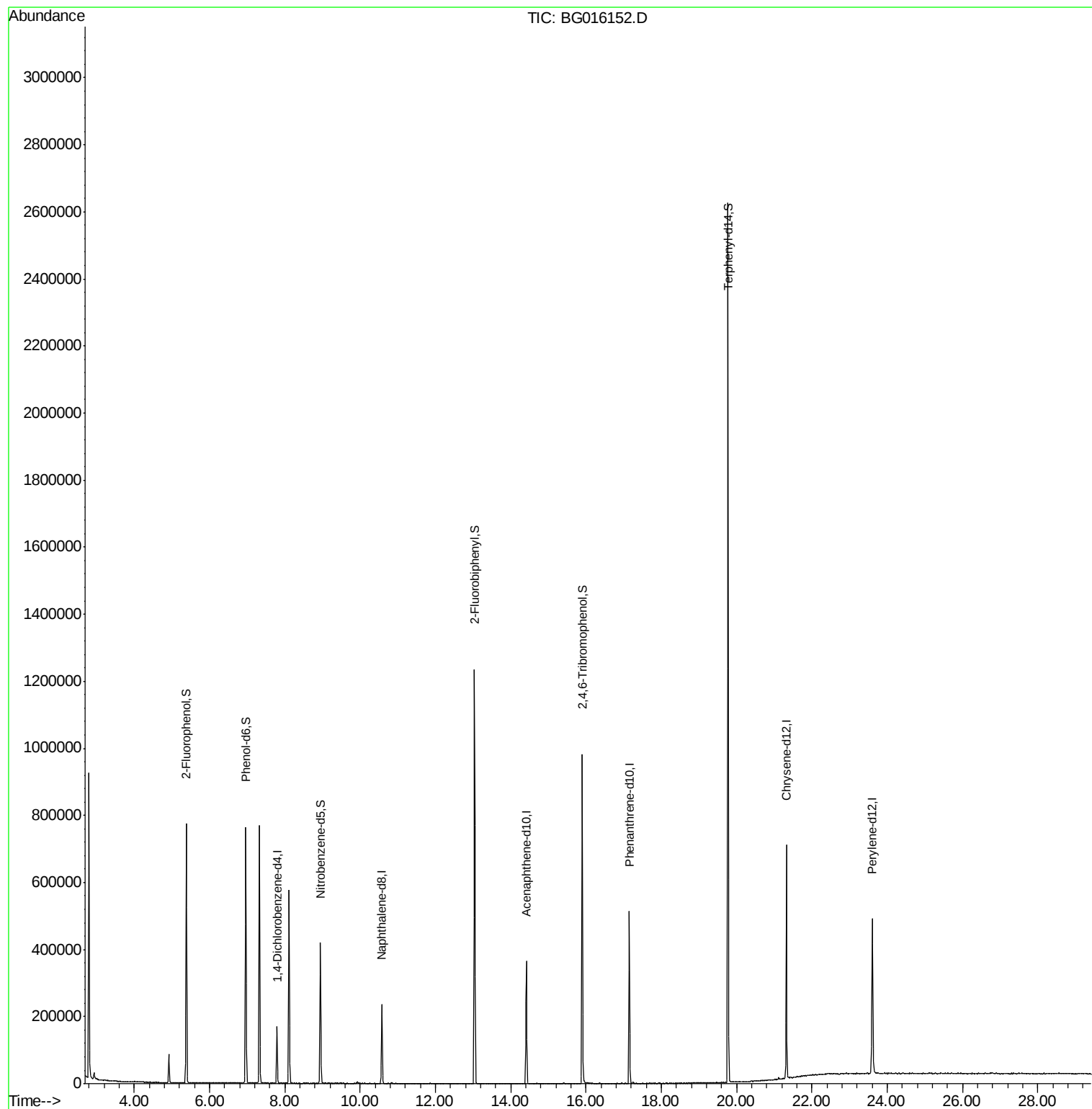
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

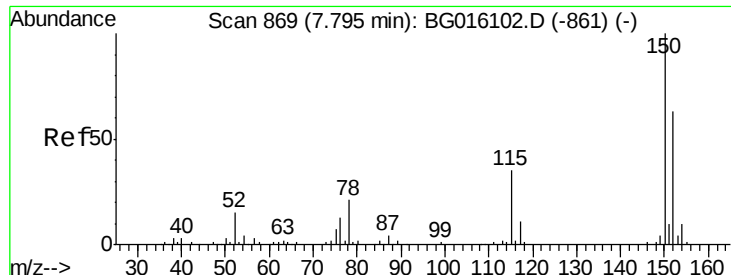
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.79 min Scan# 869

Delta R.T. 0.00 min

Lab File: BG016152.D

Acq: 26 Mar 2015 22:07

Instrument :

BNA\_G

ClientSampleId :

PB82341BL

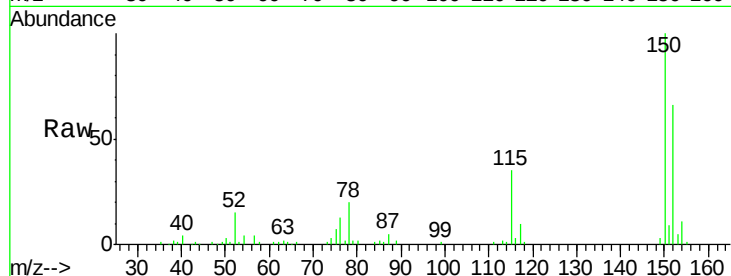
Tgt Ion:152 Resp: 47677

Ion Ratio Lower Upper

152 100

150 150.7 126.1 189.1

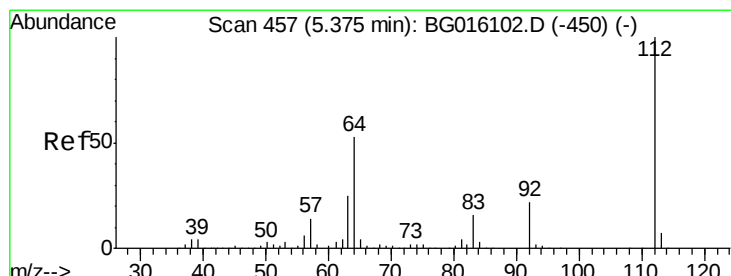
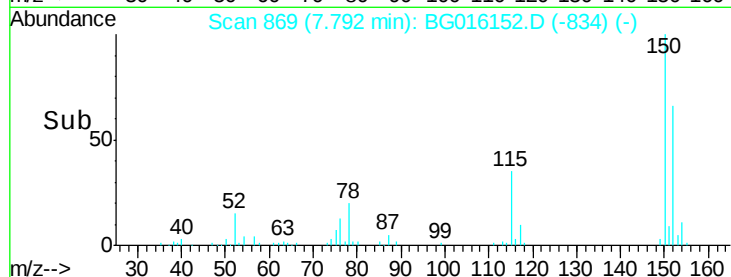
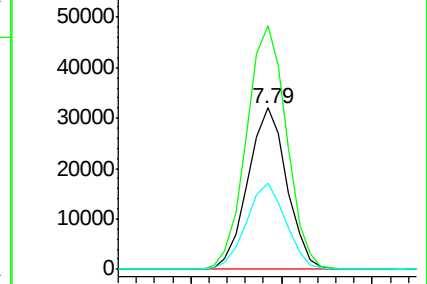
115 53.4 43.7 65.5



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: 130.67 ng

RT: 5.38 min Scan# 459

Delta R.T. 0.01 min

Lab File: BG016152.D

Acq: 26 Mar 2015 22:07

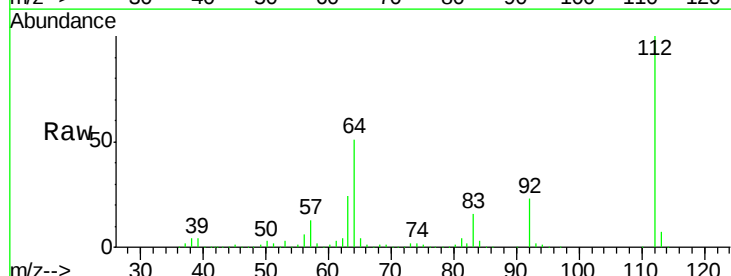
Tgt Ion:112 Resp: 372240

Ion Ratio Lower Upper

112 100

64 51.3 42.6 64.0

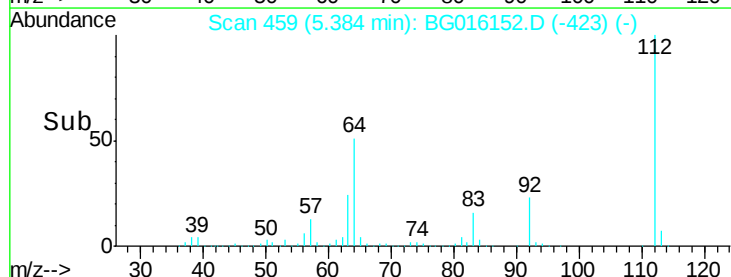
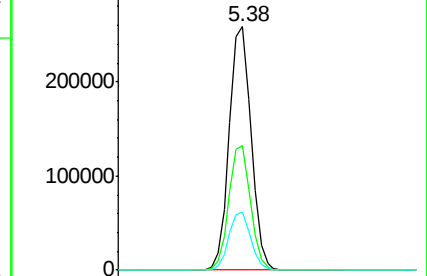
63 24.0 19.9 29.9

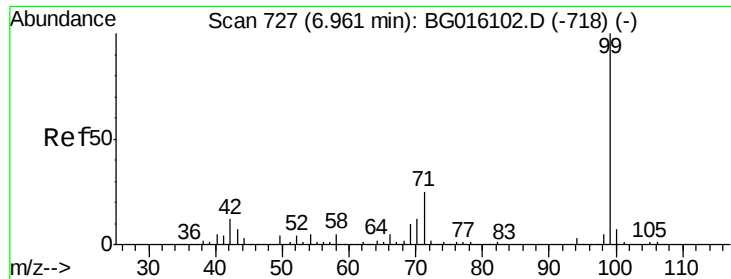


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 126.99 ng

RT: 6.96 min Scan# 728

Delta R.T. 0.01 min

Lab File: BG016152.D

Acq: 26 Mar 2015 22:07

Instrument :

BNA\_G

ClientSampleId :

PB82341BL

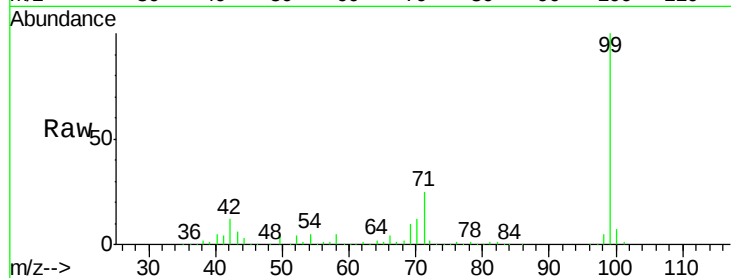
Tgt Ion: 99 Resp: 503554

Ion Ratio Lower Upper

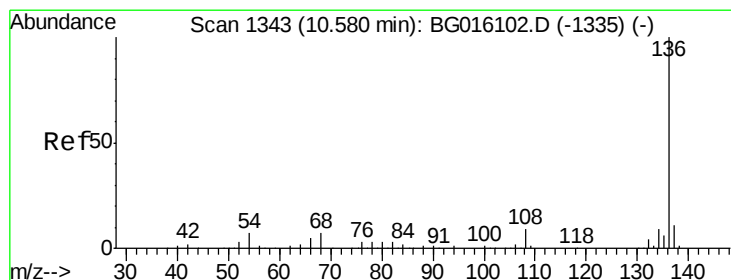
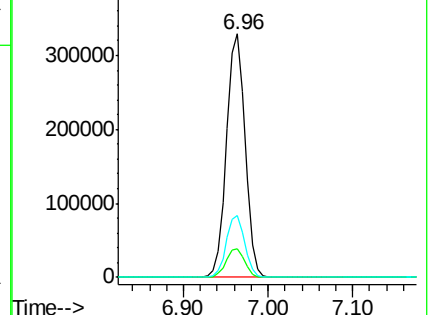
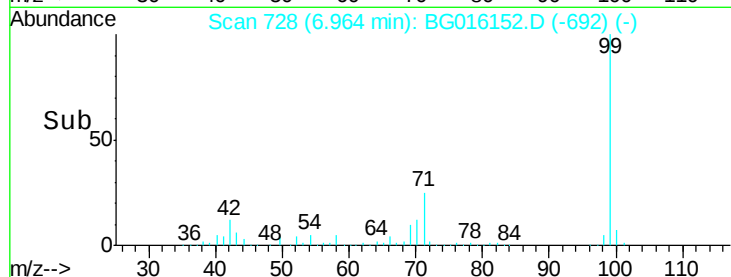
99 100

42 11.8 9.4 14.0

71 25.4 19.9 29.9



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.58 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BG016152.D

Acq: 26 Mar 2015 22:07

Tgt Ion: 136 Resp: 201061

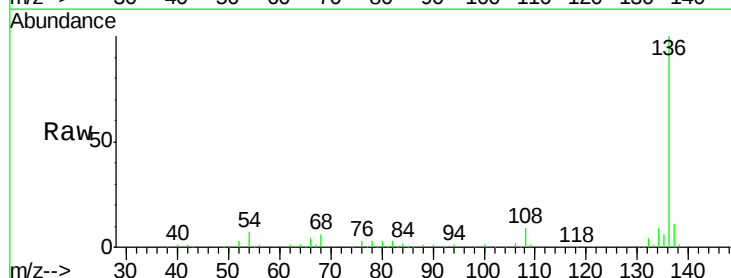
Ion Ratio Lower Upper

136 100

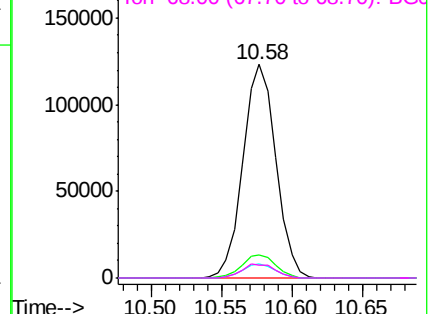
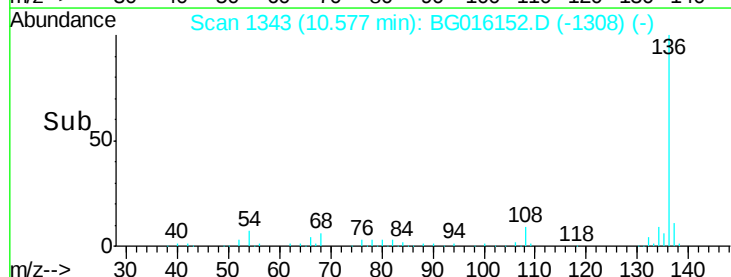
137 11.0 9.0 13.4

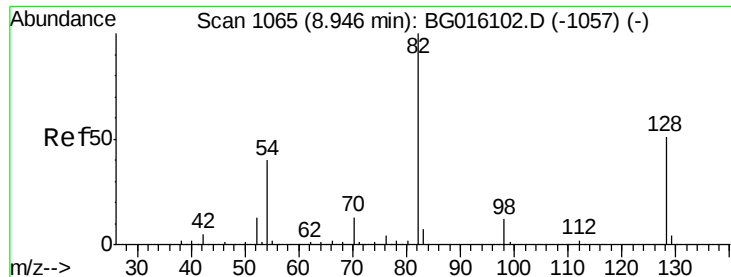
54 6.7 5.5 8.3

68 6.3 6.0 9.0



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

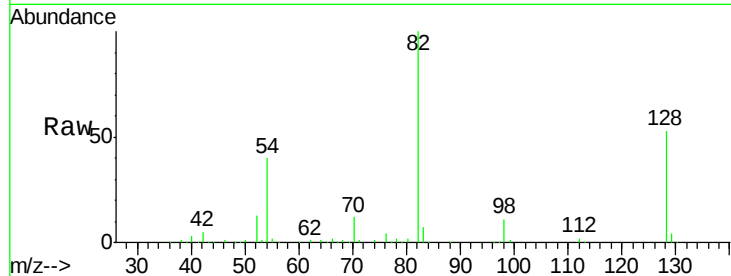




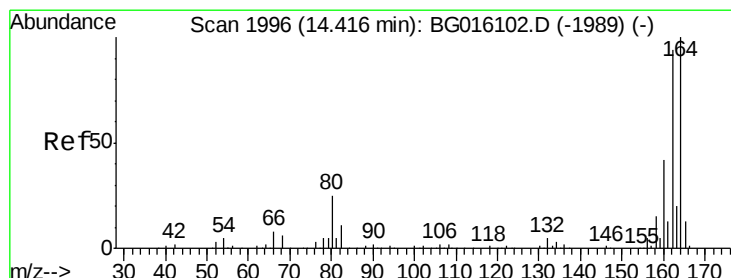
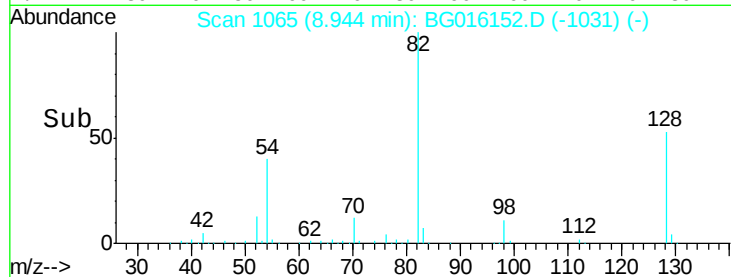
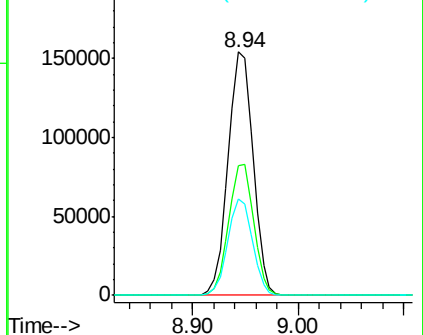
#23  
 Nitrobenzene-d5  
 Concen: 77.97 ng  
 RT: 8.94 min Scan# 1065  
 Delta R.T. -0.00 min  
 Lab File: BG016152.D  
 Acq: 26 Mar 2015 22:07

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB82341BL

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 53.0  | 40.4  | 60.6  |
| 54      | 39.5  | 32.1  | 48.1  |

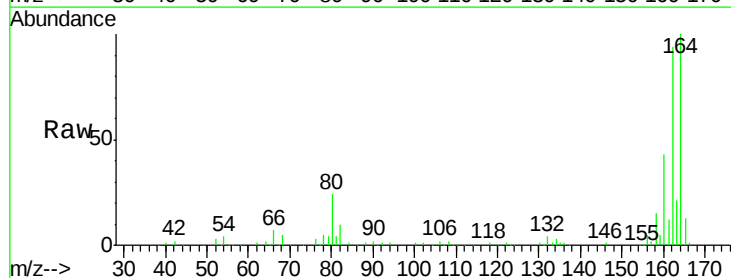


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

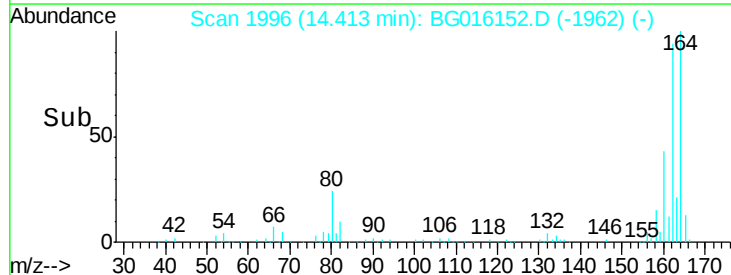
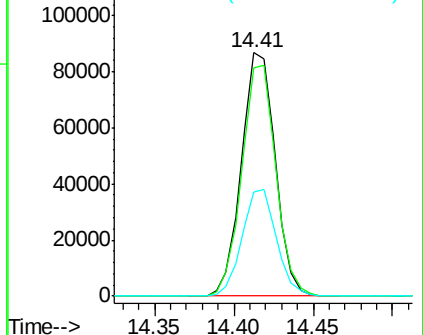


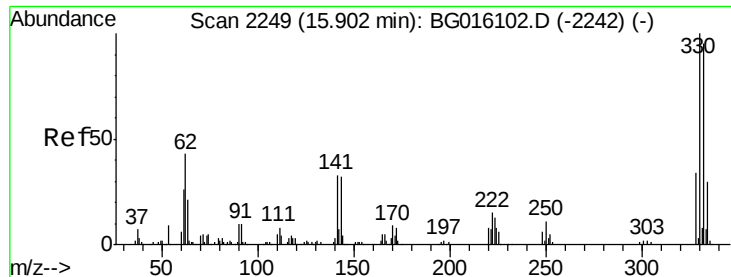
#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.41 min Scan# 1996  
 Delta R.T. -0.00 min  
 Lab File: BG016152.D  
 Acq: 26 Mar 2015 22:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 93.6  | 75.2  | 112.8 |
| 160     | 42.9  | 33.9  | 50.9  |



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





#41

2,4,6-Tribromophenol

Concen: 132.04 ng

RT: 15.90 min Scan# 2250

Delta R.T. 0.00 min

Lab File: BG016152.D

Acq: 26 Mar 2015 22:07

Instrument :

BNA\_G

ClientSampleId :

PB82341BL

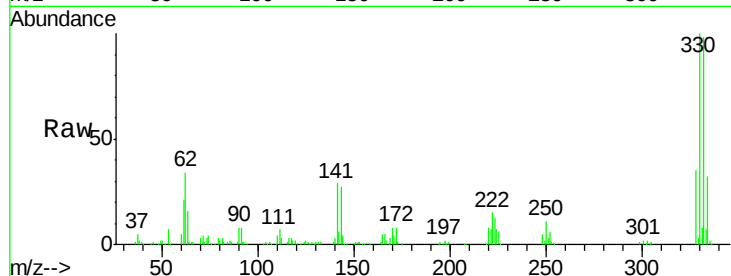
Tgt Ion:330 Resp: 194686

Ion Ratio Lower Upper

330 100

332 96.5 76.6 114.8

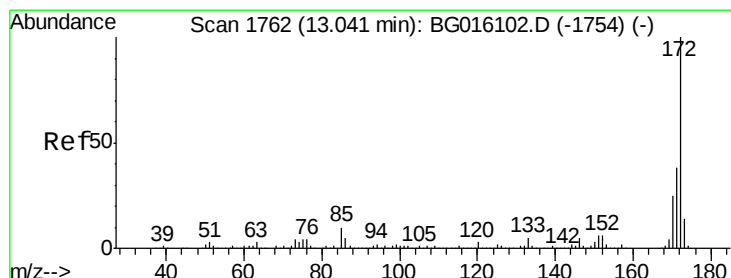
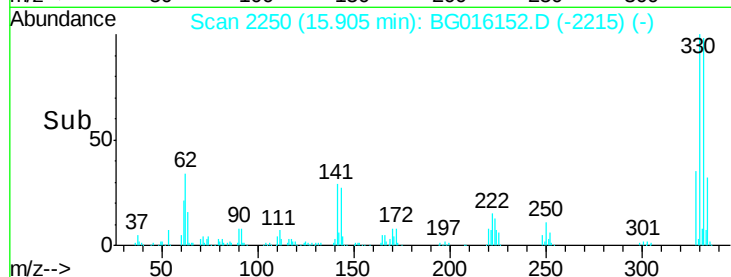
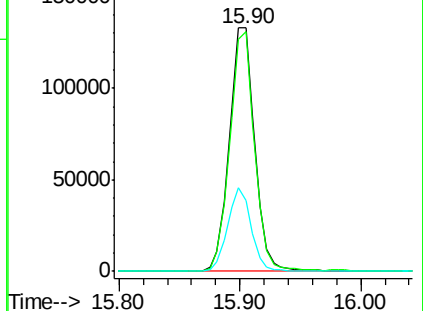
141 32.3 26.2 39.4



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



#44

2-Fluorobiphenyl

Concen: 84.61 ng

RT: 13.04 min Scan# 1762

Delta R.T. -0.00 min

Lab File: BG016152.D

Acq: 26 Mar 2015 22:07

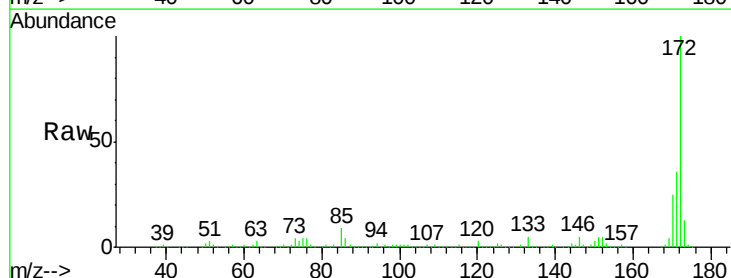
Tgt Ion:172 Resp: 649073

Ion Ratio Lower Upper

172 100

171 36.3 30.3 45.5

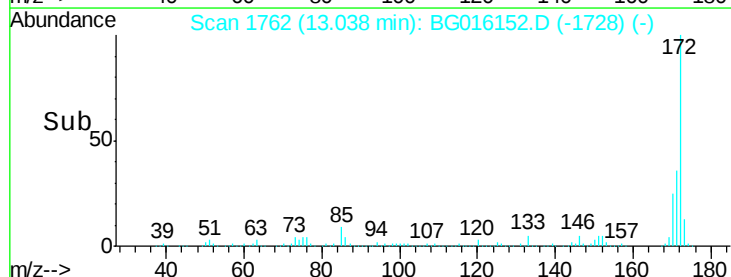
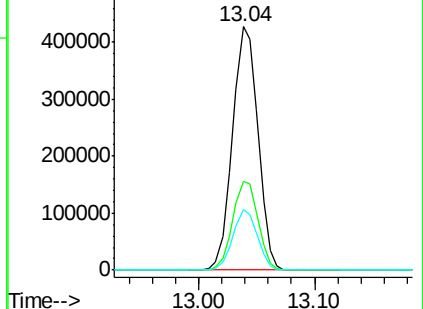
170 24.8 19.8 29.8

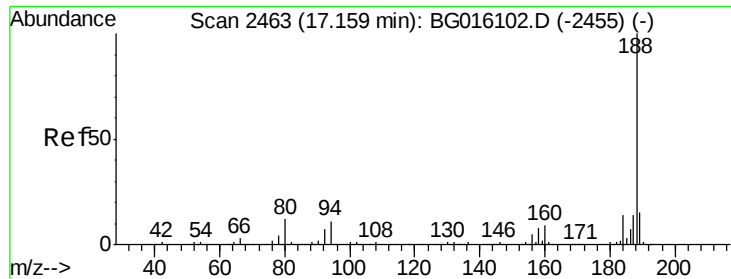


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

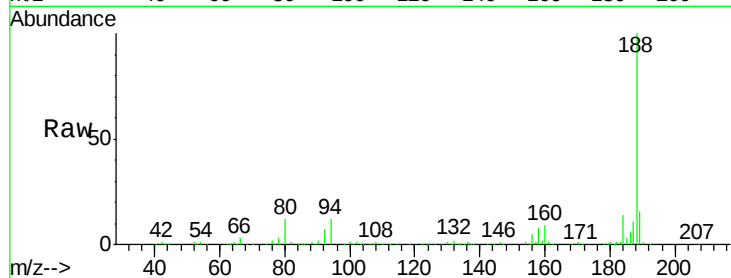




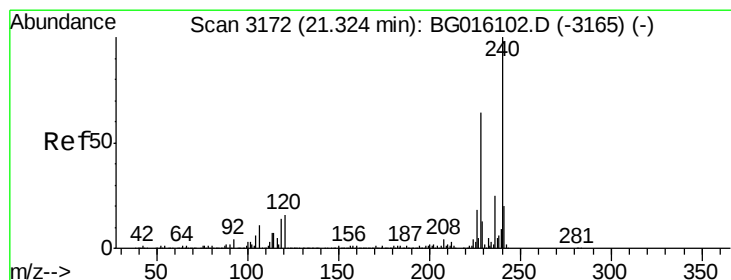
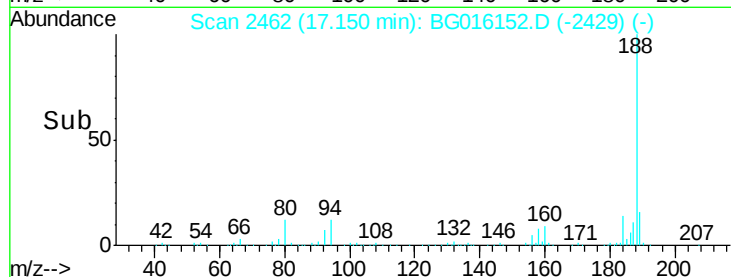
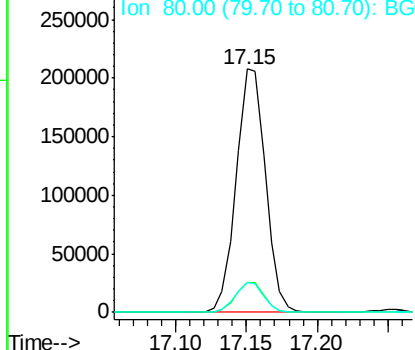
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.15 min Scan# 2462  
Delta R.T. -0.01 min  
Lab File: BG016152.D  
Acq: 26 Mar 2015 22:07

Instrument :  
BNA\_G  
ClientSampleId :  
PB82341BL

Tgt Ion:188 Resp: 300589  
Ion Ratio Lower Upper  
188 100  
94 12.3 9.1 13.7  
80 12.3 9.8 14.8

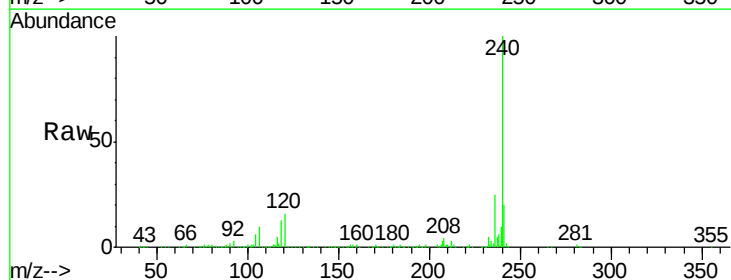


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.32 min Scan# 3172  
Delta R.T. -0.01 min  
Lab File: BG016152.D  
Acq: 26 Mar 2015 22:07

Tgt Ion:240 Resp: 320678  
Ion Ratio Lower Upper  
240 100  
120 16.0 13.0 19.4  
236 25.3 20.2 30.2



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

