

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG042016\  
 Data File : BG021772.D  
 Acq On : 20 Apr 2016 2:15  
 Operator : UM/SJ  
 Sample : H2569-06  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 LCF-NW1

Quant Time: Apr 20 03:29:15 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Apr 13 15:48:13 2016  
 Response via : Initial Calibration

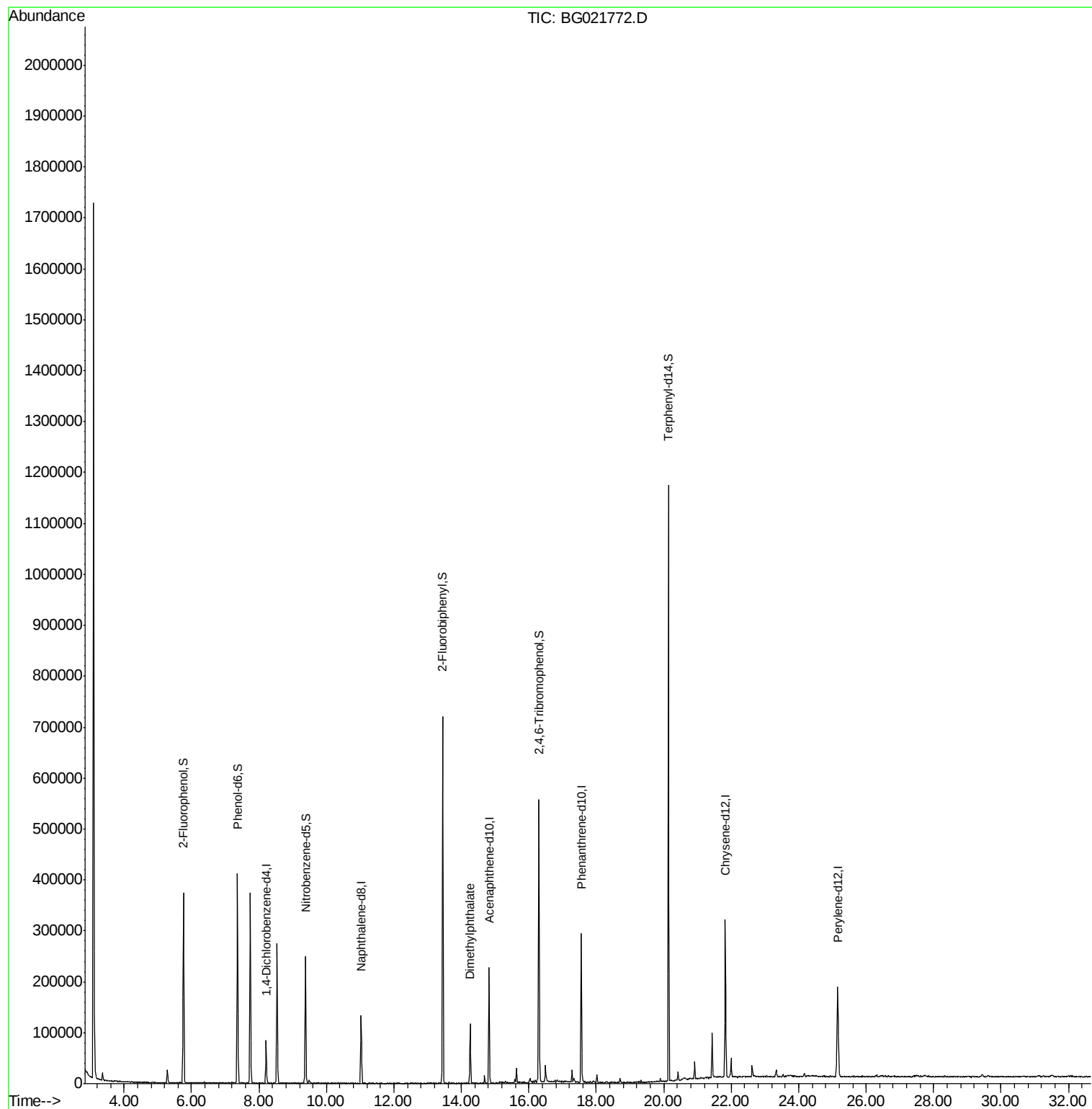
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)     |
|-----------------------------|-------|------|----------|--------|-------|--------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.21  | 152  | 24333    | 20.00  | ng    | 0.00         |
| 21) Naphthalene-d8          | 11.03 | 136  | 115722   | 20.00  | ng    | 0.00         |
| 38) Acenaphthene-d10        | 14.82 | 164  | 78498    | 20.00  | ng    | 0.00         |
| 63) Phenanthrene-d10        | 17.56 | 188  | 176447   | 20.00  | ng    | 0.00         |
| 75) Chrysene-d12            | 21.83 | 240  | 193539   | 20.00  | ng    | 0.00         |
| 86) Perylene-d12            | 25.16 | 264  | 189110   | 20.00  | ng    | 0.00         |
| System Monitoring Compounds |       |      |          |        |       |              |
| 5) 2-Fluorophenol           | 5.76  | 112  | 164865   | 112.83 | ng    | 0.00         |
| 7) Phenol-d6                | 7.36  | 99   | 248073   | 113.66 | ng    | 0.00         |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 155137   | 68.91  | ng    | 0.00         |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 103660   | 122.53 | ng    | 0.00         |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 379062   | 70.75  | ng    | 0.00         |
| 78) Terphenyl-d14           | 20.14 | 244  | 514533   | 66.34  | ng    | 0.00         |
| Target Compounds            |       |      |          |        |       |              |
| 49) Dimethylphthalate       | 14.26 | 163  | 79654    | 11.74  | ng    | Qvalue<br>99 |

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.21 min Scan# 915

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

Instrument :

BNA\_G

ClientSampleId :

LCF-NW1

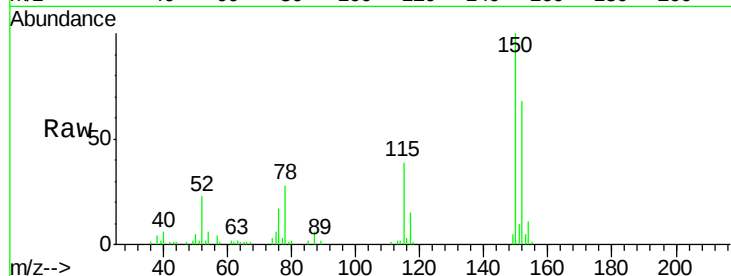
Tgt Ion:152 Resp: 24333

Ion Ratio Lower Upper

152 100

150 147.4 130.1 195.1

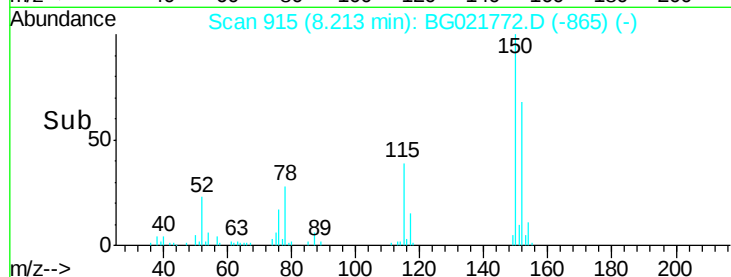
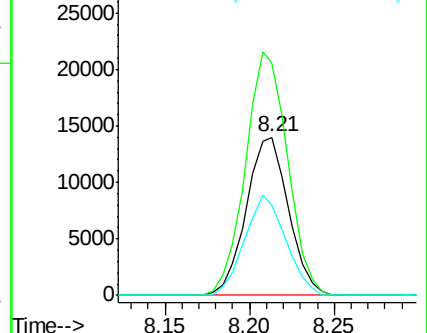
115 56.9 62.2 93.2#



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: 112.83 ng

RT: 5.76 min Scan# 497

Delta R.T. -0.00 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

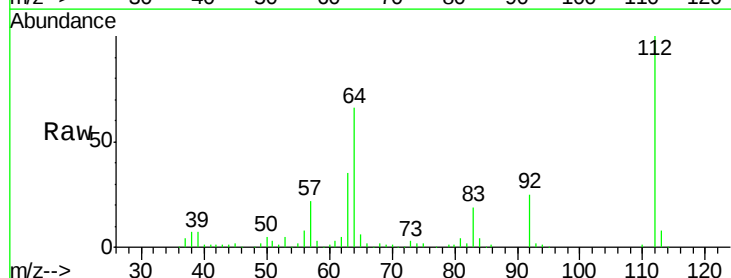
Tgt Ion:112 Resp: 164865

Ion Ratio Lower Upper

112 100

64 66.1 51.1 76.7

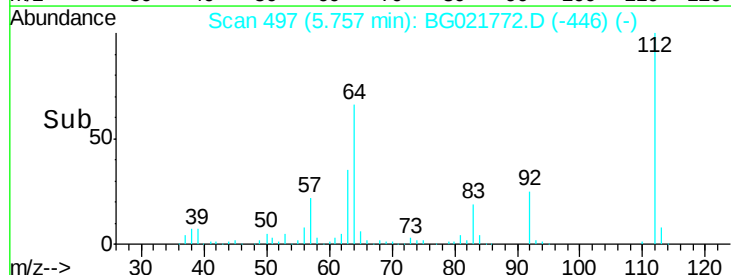
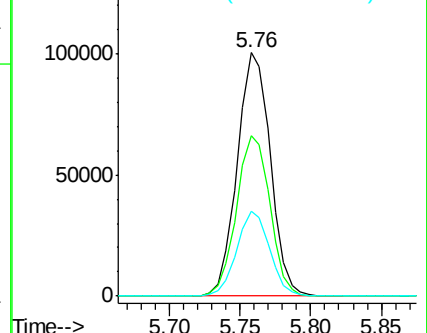
63 34.6 24.6 37.0

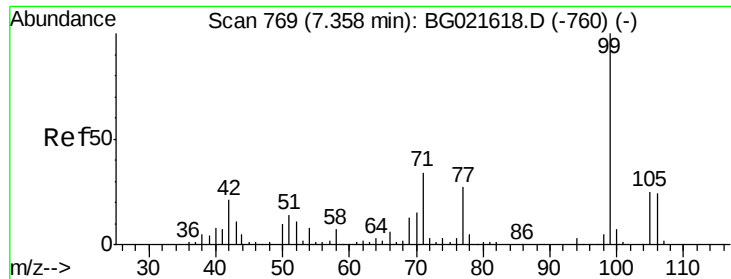


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 113.66 ng

RT: 7.36 min Scan# 770

Delta R.T. 0.00 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

Instrument :

BNA\_G

ClientSampleId :

LCF-NW1

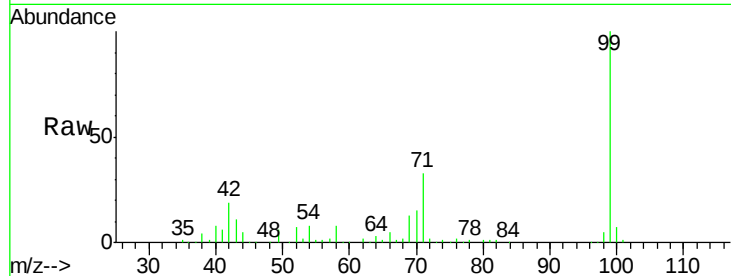
Tgt Ion: 99 Resp: 248073

Ion Ratio Lower Upper

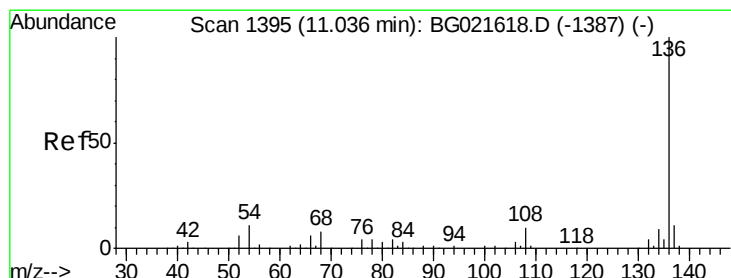
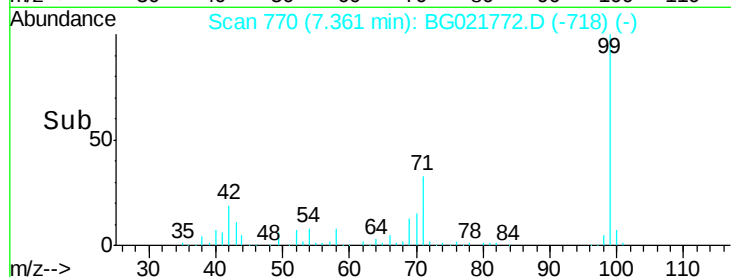
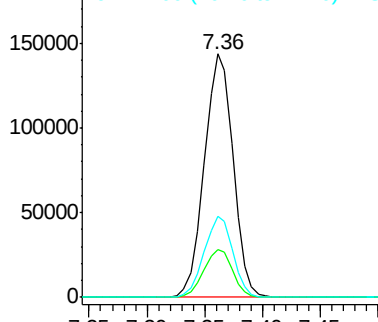
99 100

42 19.5 16.4 24.6

71 33.3 25.0 37.4



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: 11.03 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

Tgt Ion: 136 Resp: 115722

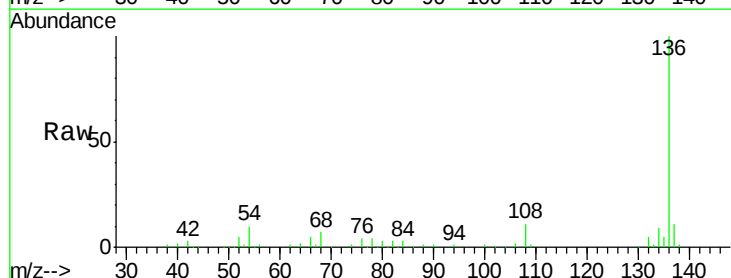
Ion Ratio Lower Upper

136 100

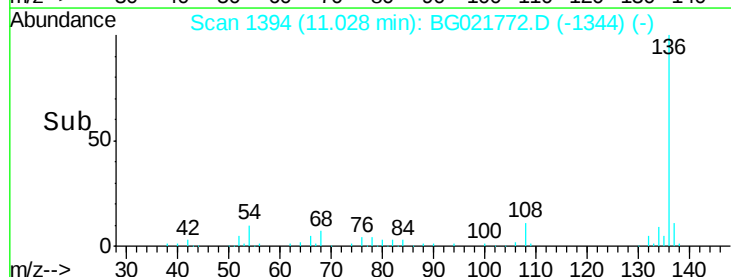
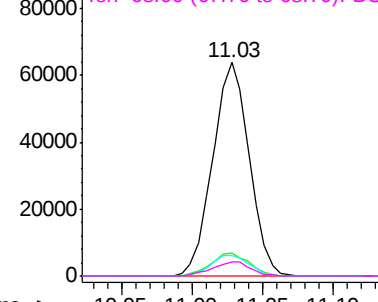
137 11.0 9.0 13.4

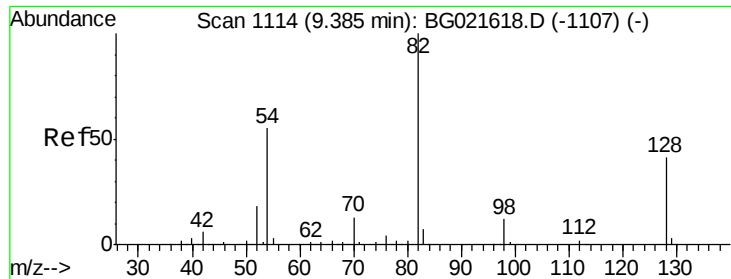
54 9.7 9.6 14.4

68 6.6 6.4 9.6



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

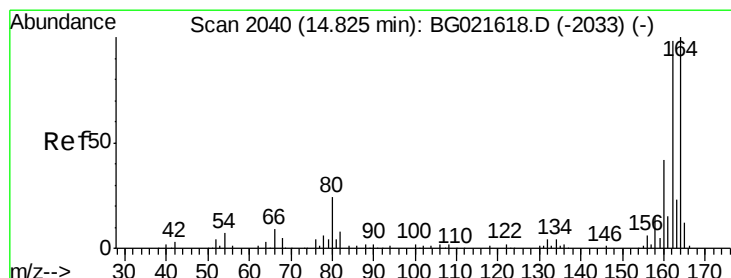
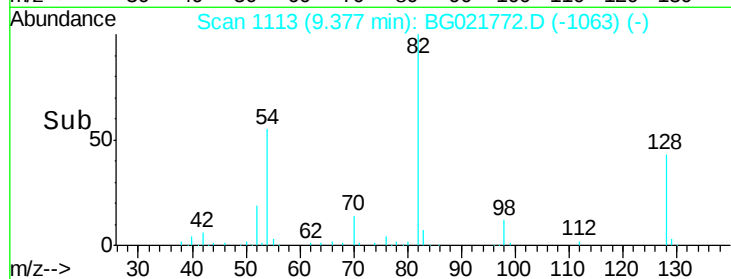
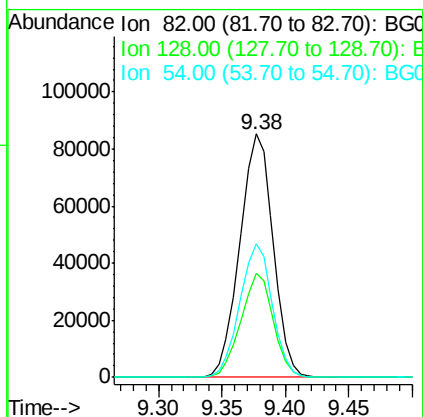
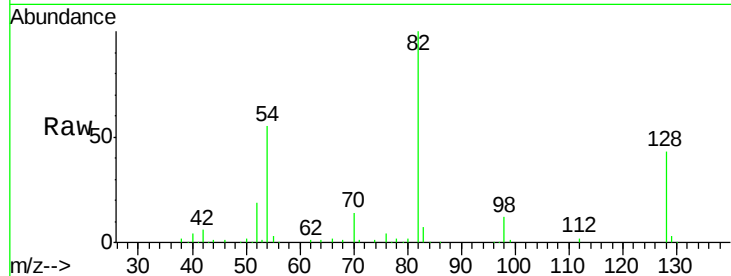




#23  
 Nitrobenzene-d5  
 Concen: 68.91 ng  
 RT: 9.38 min Scan# 1113  
 Delta R.T. -0.01 min  
 Lab File: BG021772.D  
 Acq: 20 Apr 2016 2:15

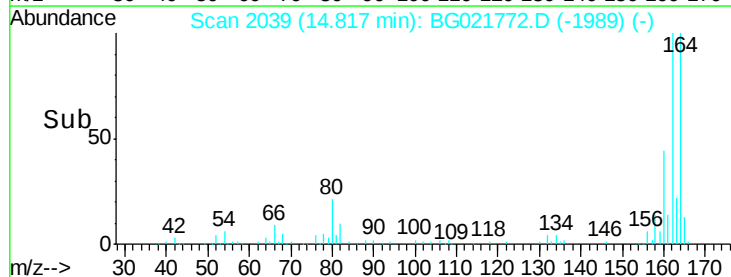
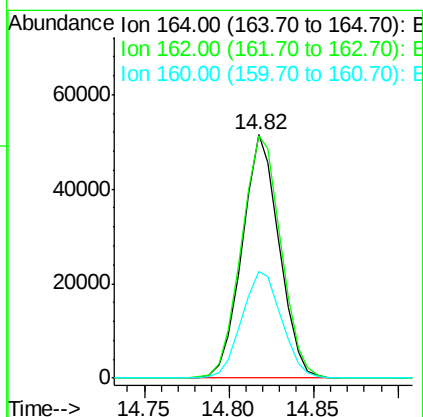
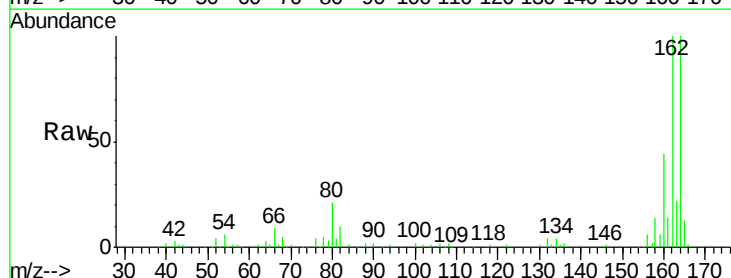
Instrument :  
 BNA\_G  
 ClientSampleId :  
 LCF-NW1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.5  | 33.4  | 50.0  |
| 54      | 54.8  | 46.1  | 69.1  |



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.82 min Scan# 2039  
 Delta R.T. -0.01 min  
 Lab File: BG021772.D  
 Acq: 20 Apr 2016 2:15

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.5  | 78.0  | 117.0 |
| 160     | 43.7  | 32.9  | 49.3  |





#41

2,4,6-Tribromophenol

Concen: 122.53 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

Instrument :

BNA\_G

ClientSampleId :

LCF-NW1

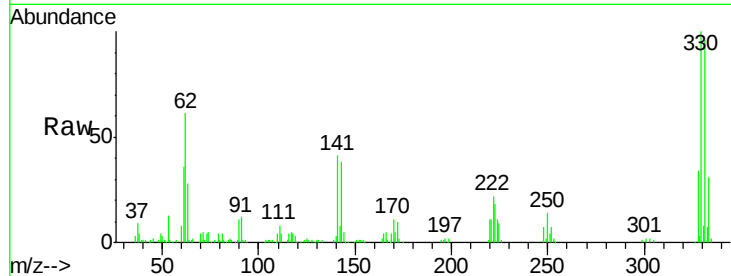
Tgt Ion:330 Resp: 103660

Ion Ratio Lower Upper

330 100

332 94.0 78.0 117.0

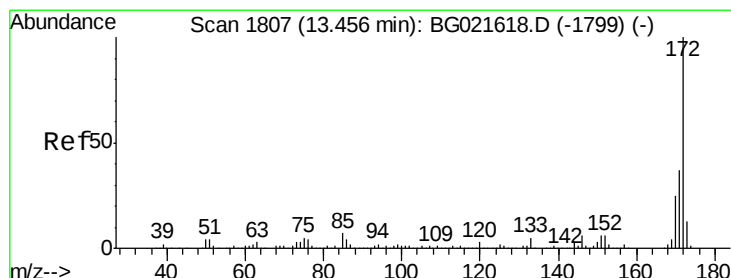
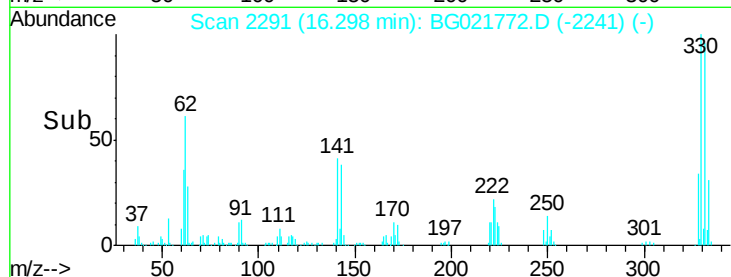
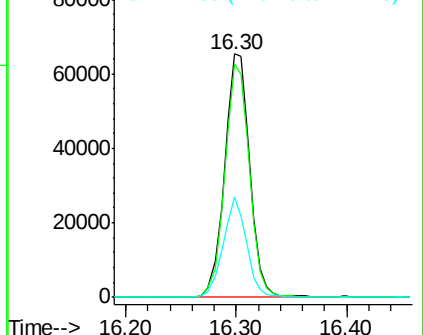
141 38.1 33.8 50.8



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: 70.75 ng

RT: 13.45 min Scan# 1806

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

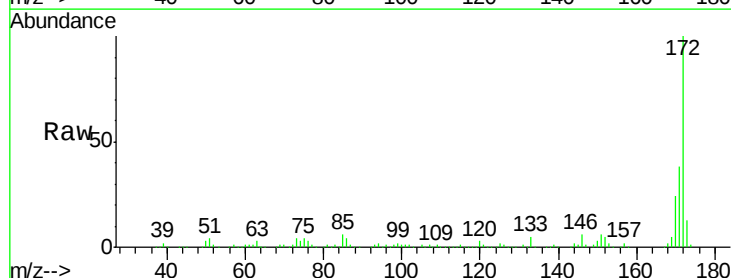
Tgt Ion:172 Resp: 379062

Ion Ratio Lower Upper

172 100

171 38.1 27.8 41.6

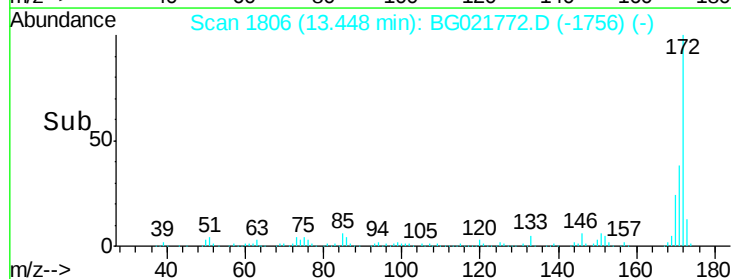
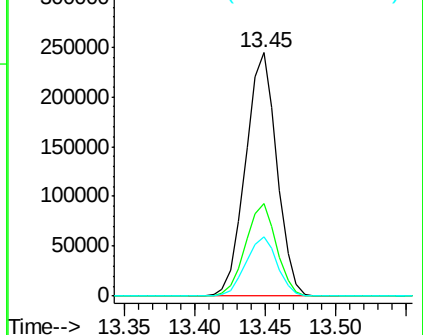
170 24.2 19.6 29.4

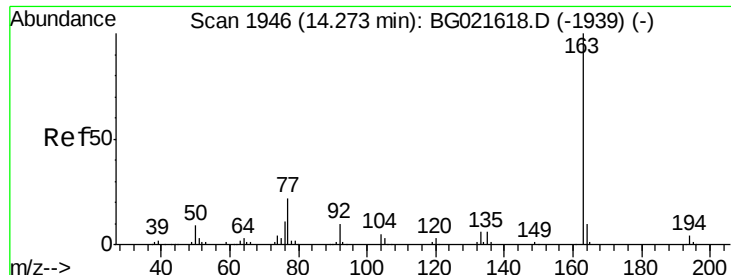


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 11.74 ng

RT: 14.26 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

Instrument :

BNA\_G

ClientSampleId :

LCF-NW1

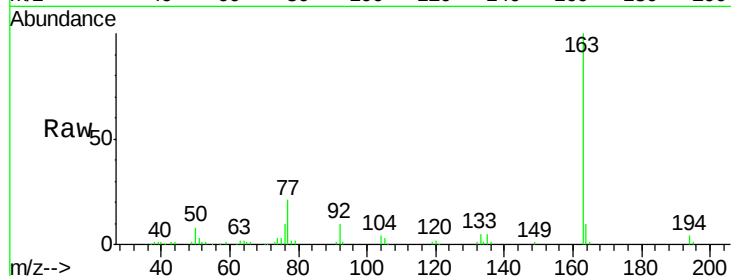
Tgt Ion:163 Resp: 79654

Ion Ratio Lower Upper

163 100

194 4.1 3.0 4.6

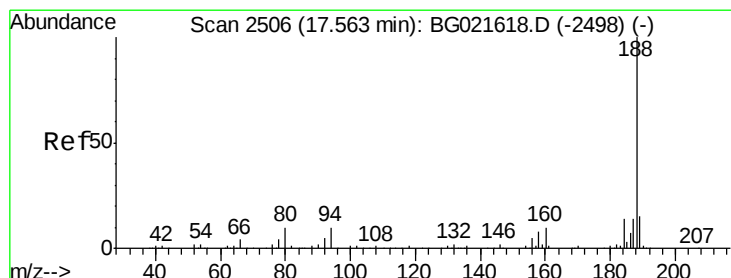
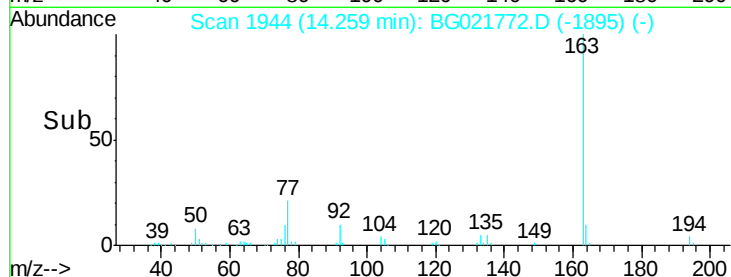
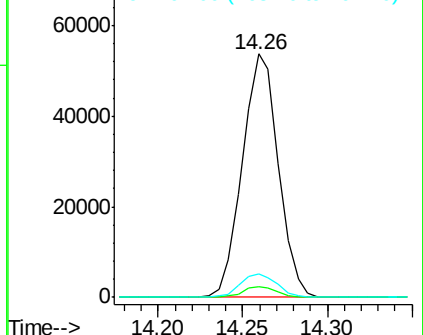
164 9.7 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.56 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

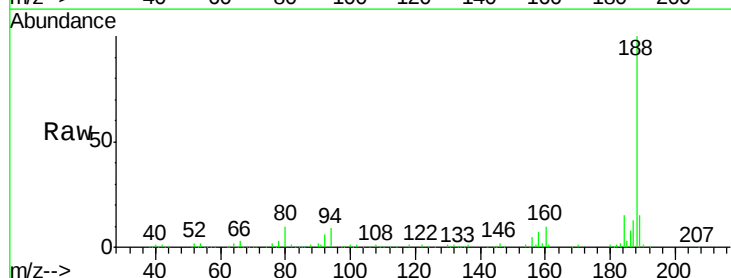
Tgt Ion:188 Resp: 176447

Ion Ratio Lower Upper

188 100

94 8.9 7.5 11.3

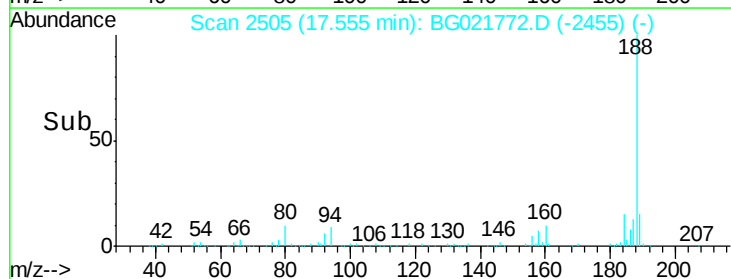
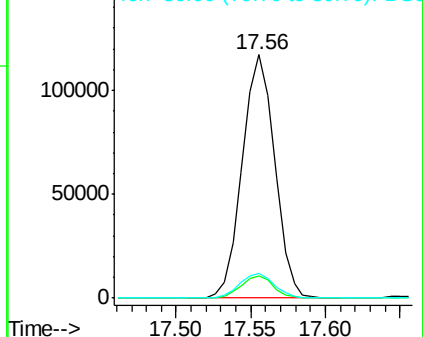
80 10.0 8.6 13.0

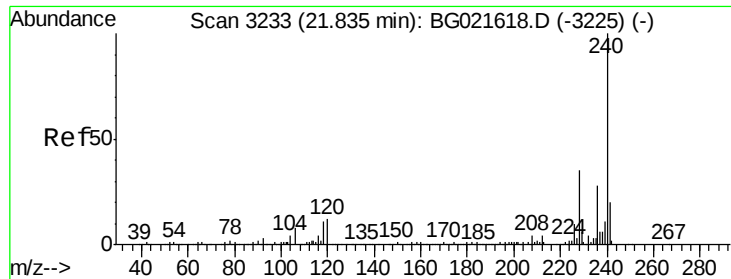


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.83 min Scan# 3232

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

Instrument :

BNA\_G

ClientSampleId :

LCF-NW1

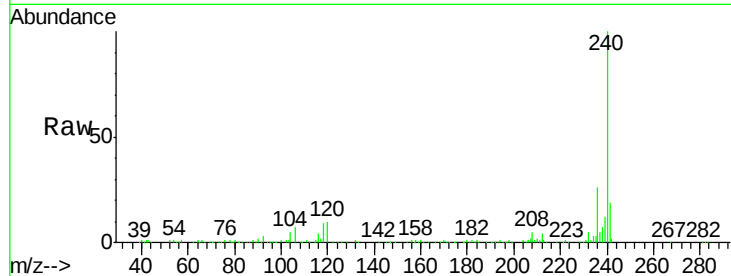
Tgt Ion:240 Resp: 193539

Ion Ratio Lower Upper

240 100

120 9.9 8.4 12.6

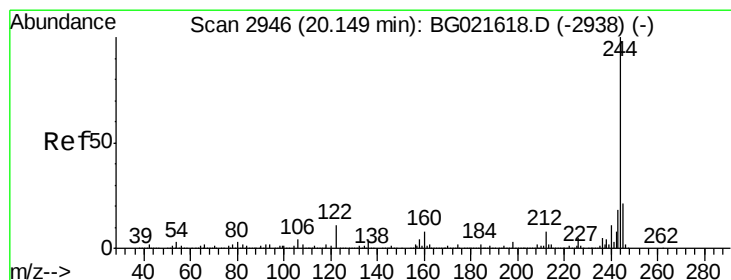
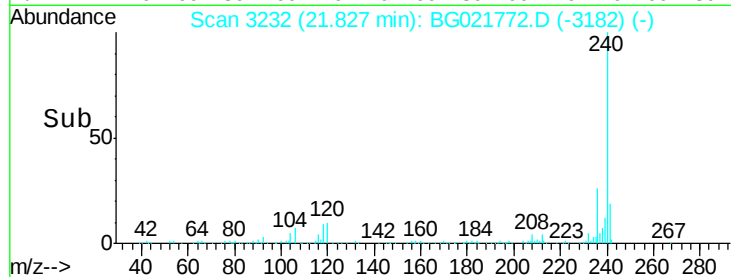
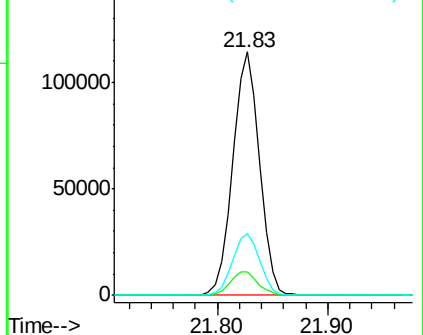
236 25.6 19.6 29.4



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: 66.34 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.01 min

Lab File: BG021772.D

Acq: 20 Apr 2016 2:15

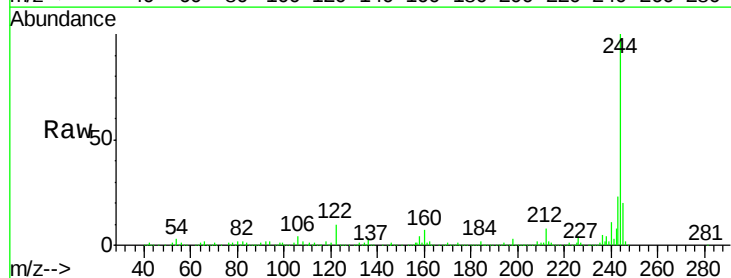
Tgt Ion:244 Resp: 514533

Ion Ratio Lower Upper

244 100

212 7.8 6.5 9.7

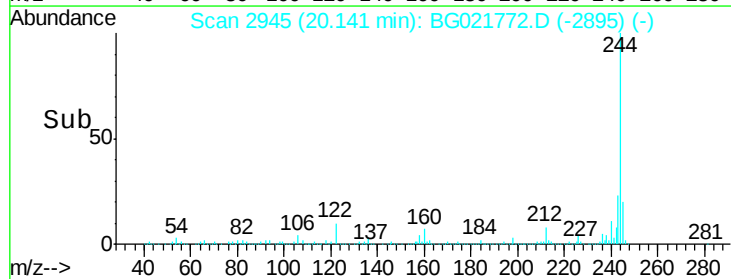
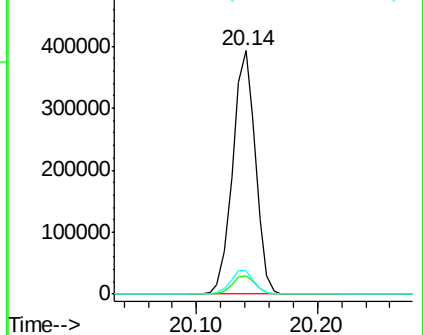
122 9.7 8.6 12.8

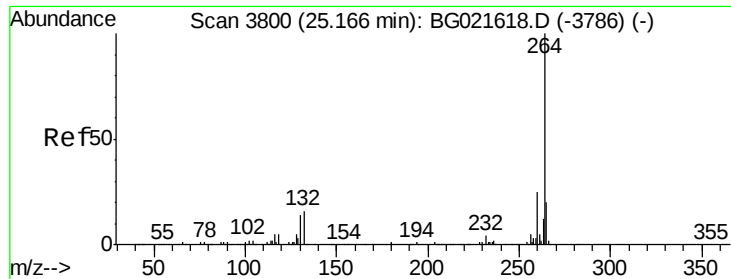


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.16 min Scan# 3799  
Delta R.T. -0.01 min  
Lab File: BG021772.D  
Acq: 20 Apr 2016 2:15

Instrument :  
BNA\_G  
ClientSampleId :  
LCF-NW1

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.8  | 20.2  | 30.4  |
| 265     | 21.8  | 17.8  | 26.8  |

