

Data Path : Z:\HPCHEM1\BNA G\DATA\BG050715\  
 Data File : BG016921.D  
 Acq On : 7 May 2015 13:42  
 Operator : TP/IZ  
 Sample : G2071-01  
 Misc :  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 2

Quant Time: May 08 03:37:11 2015  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri May 08 02:05:00 2015  
 Response via : Initial Calibration

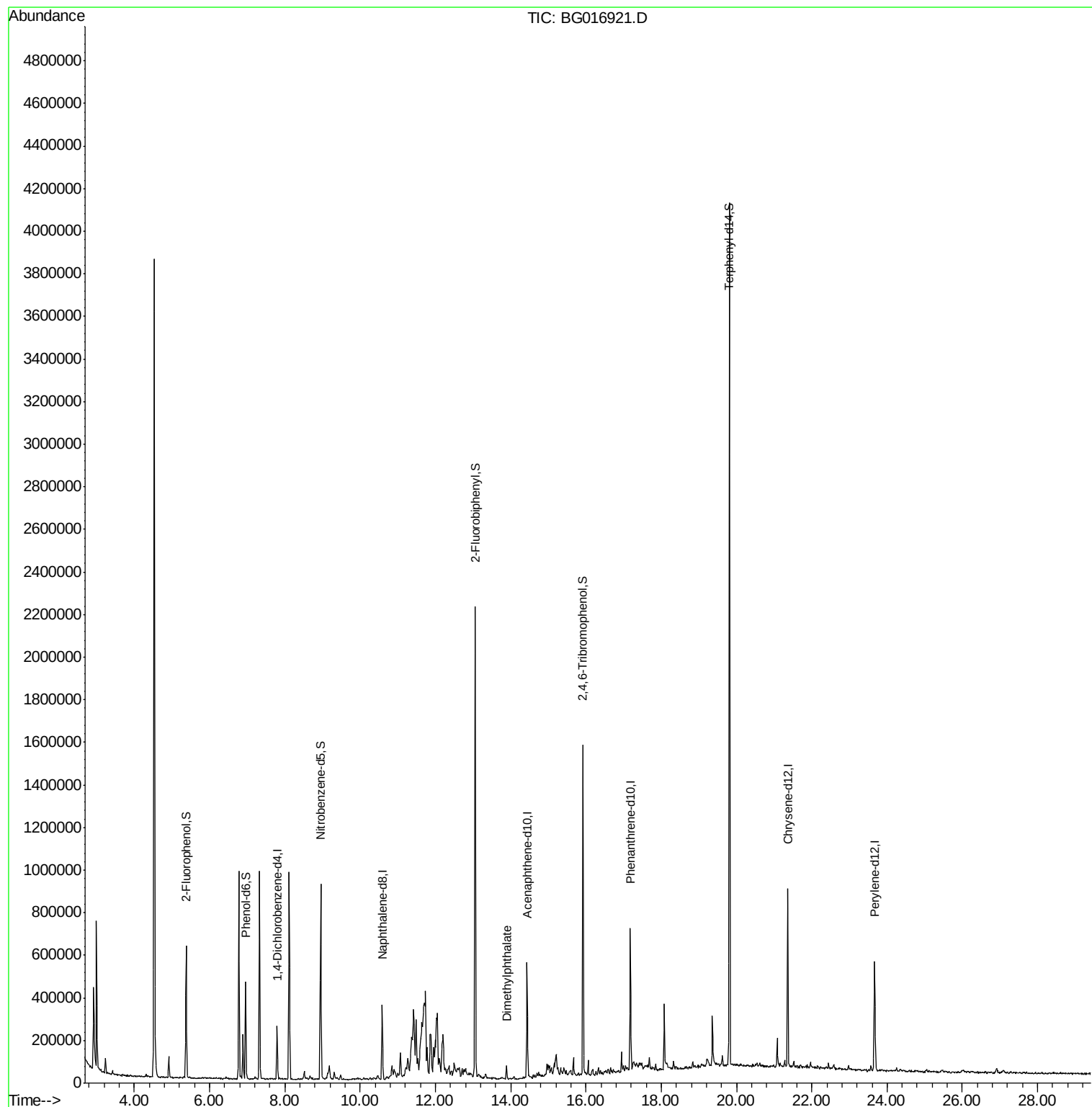
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 7.80  | 152  | 58841    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.59 | 136  | 255614   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.44 | 164  | 162352   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.18 | 188  | 358456   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.36 | 240  | 358484   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 23.67 | 264  | 349079   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.38  | 112  | 223343   | 66.09  | ng    | 0.00           |
| 7) Phenol-d6                | 6.96  | 99   | 212381   | 43.99  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 495563   | 94.71  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 15.92 | 330  | 213547   | 131.02 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.06 | 172  | 970438   | 90.20  | ng    | 0.00           |
| 78) Terphenyl-d14           | 19.81 | 244  | 1464988  | 95.80  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 13.89 | 163  | 35076    | 2.89   | ng    | Qvalue<br># 93 |

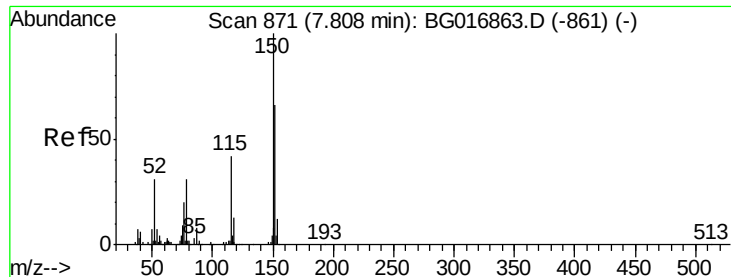
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 08 03:37:11 2015  
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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.80 min Scan# 870

Delta R.T. 0.01 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

Instrument :

BNA\_G

ClientSampleId :

2

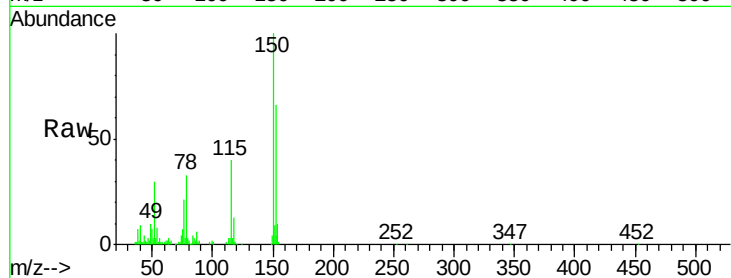
Tot Ion:152 Resp: 58841

Ion Ratio Lower Upper

152 100

150 150.6 121.0 181.4

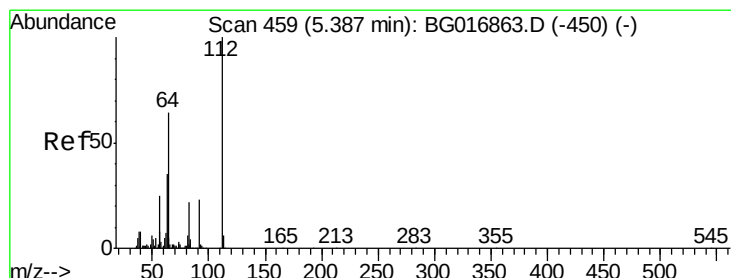
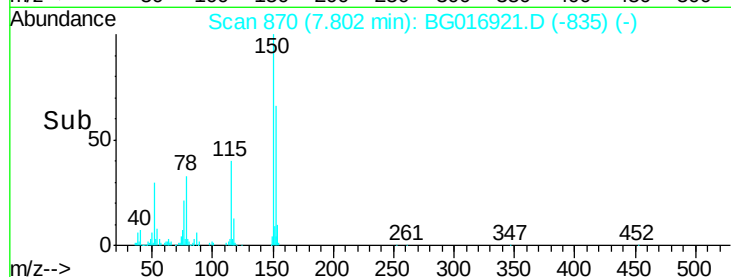
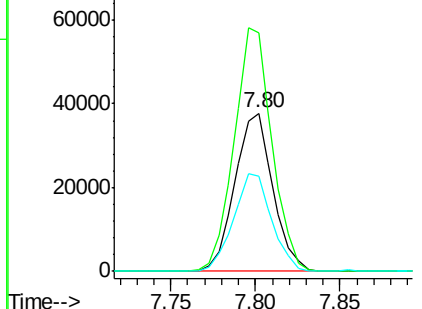
115 60.0 50.5 75.7



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



#5

2-Fluorophenol

Concen: 66.09 ng

RT: 5.38 min Scan# 458

Delta R.T. 0.01 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

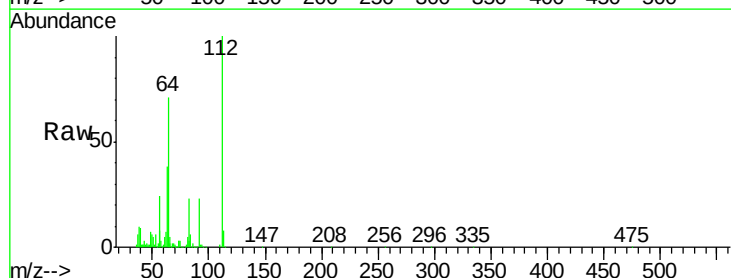
Tgt Ion:112 Resp: 223343

Ion Ratio Lower Upper

112 100

64 70.8 51.4 77.2

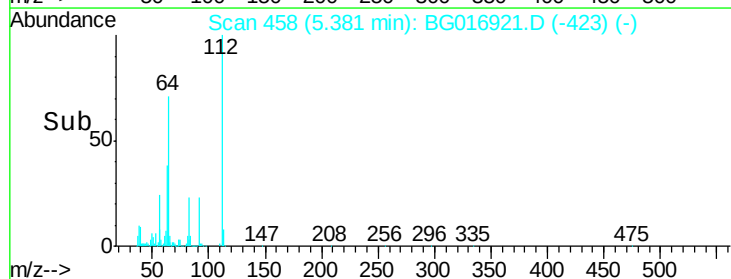
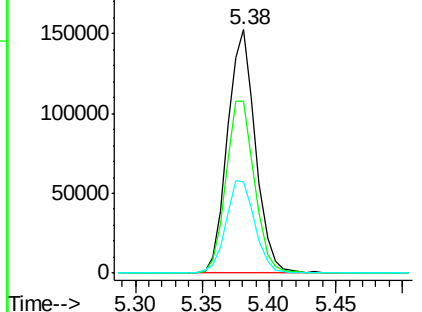
63 37.6 28.1 42.1

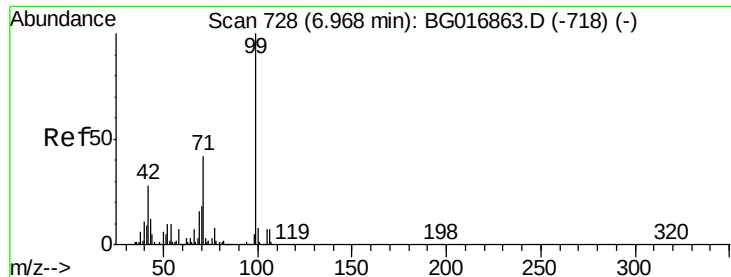


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG0

Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 43.99 ng

RT: 6.96 min Scan# 727

Delta R.T. 0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

Instrument :

BNA\_G

ClientSampleId :

2

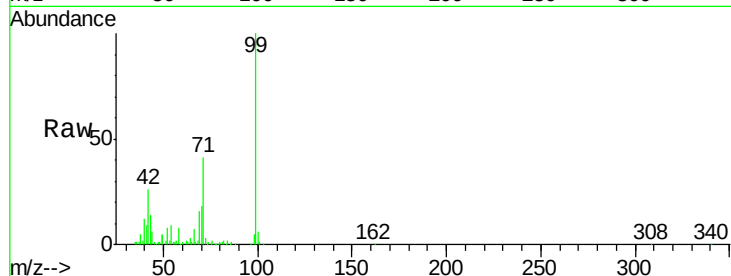
Tot Ion: 99 Resp: 212381

Ion Ratio Lower Upper

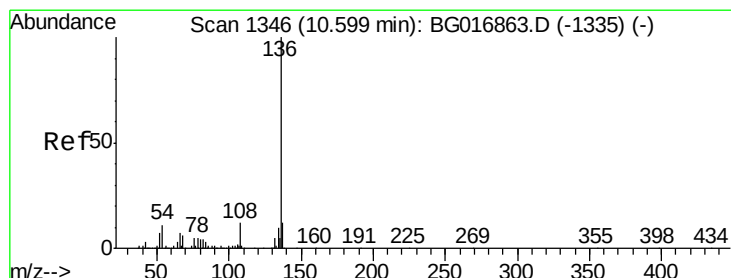
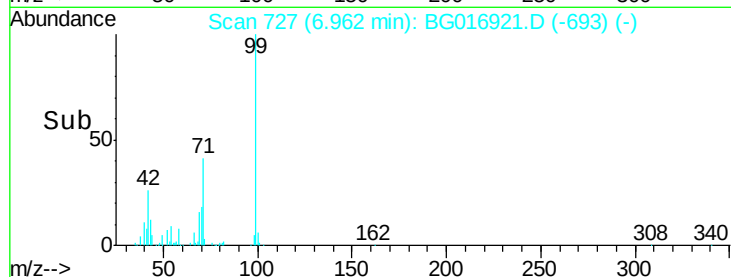
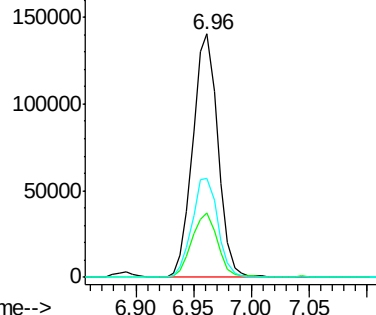
99 100

42 26.4 22.1 33.1

71 40.8 33.4 50.0



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: 10.59 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

Tgt Ion: 136 Resp: 255614

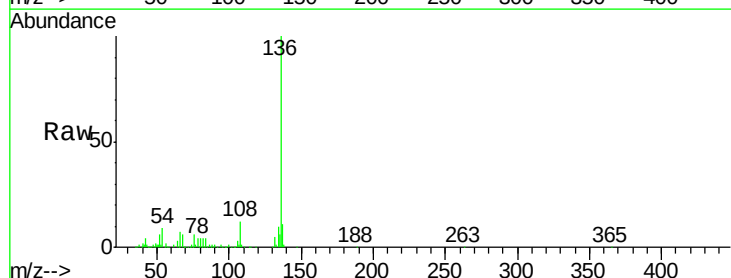
Ion Ratio Lower Upper

136 100

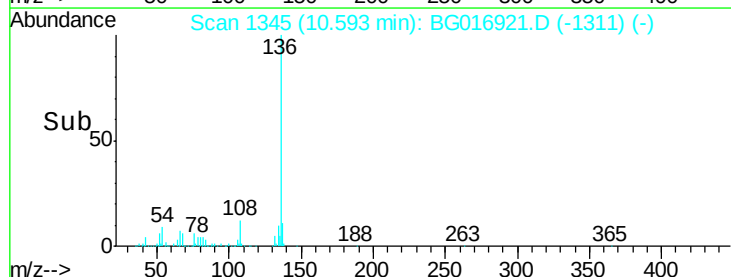
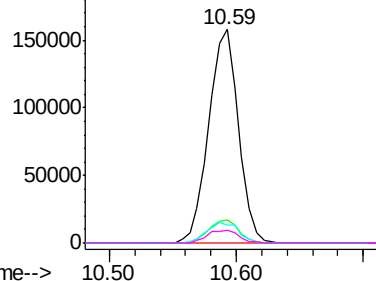
137 11.0 9.8 14.8

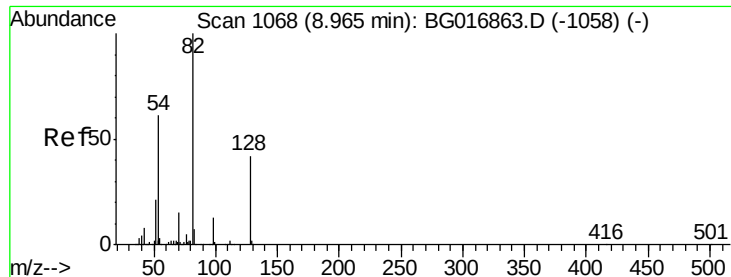
54 8.7 8.7 13.1#

68 5.8 5.0 7.4



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

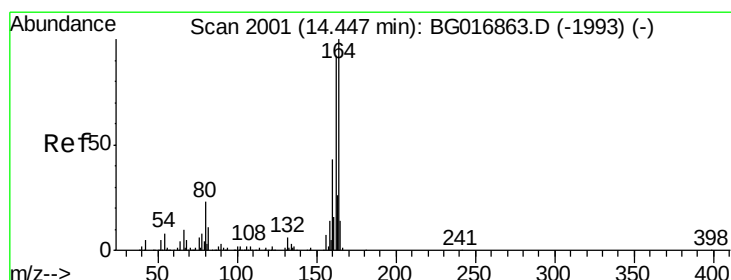
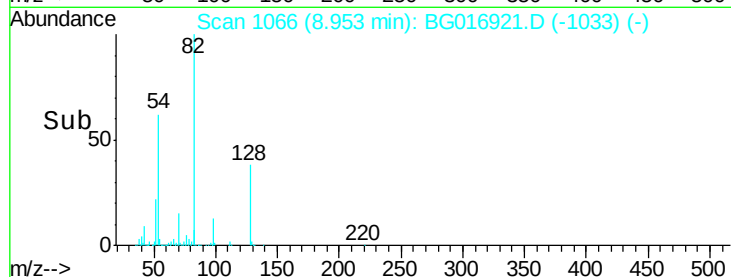
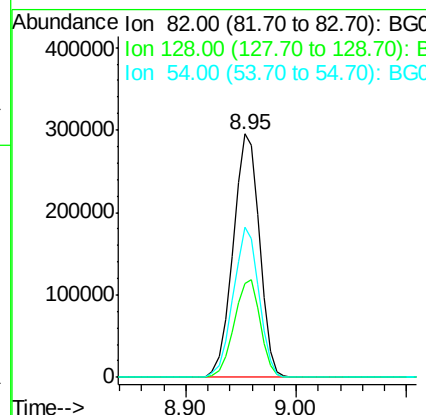
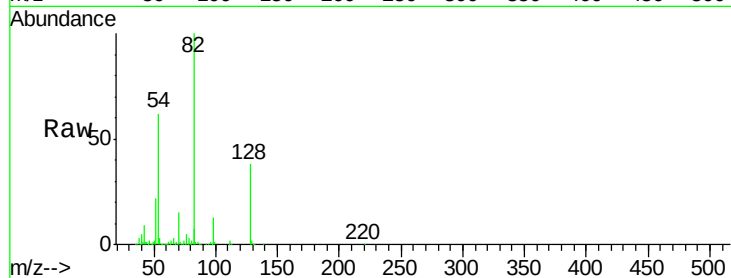




#23  
Nitrobenzene-d5  
Concen: 94.71 ng  
RT: 8.95 min Scan# 1066  
Delta R.T. -0.00 min  
Lab File: BG016921.D  
Acq: 7 May 2015 13:42

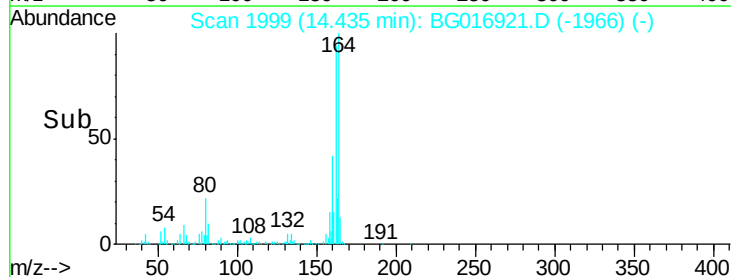
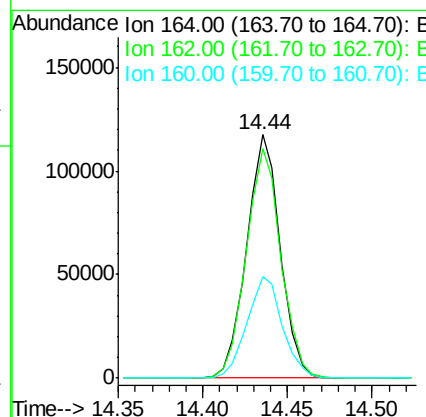
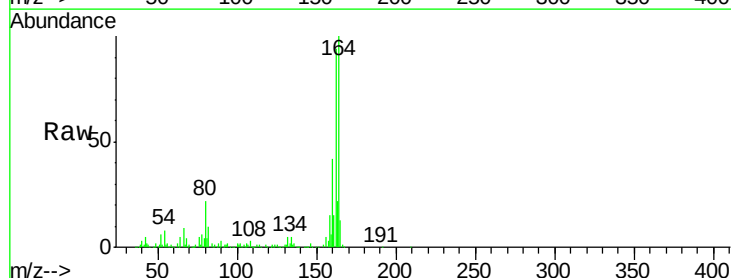
Instrument :  
BNA\_G  
ClientSampleId :  
2

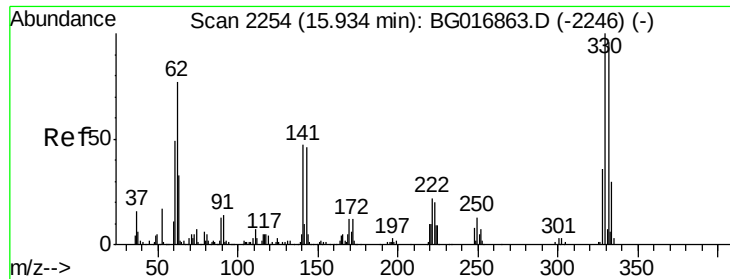
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.5  | 33.2  | 49.8  |
| 54      | 61.8  | 48.6  | 72.8  |



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.44 min Scan# 1999  
Delta R.T. -0.00 min  
Lab File: BG016921.D  
Acq: 7 May 2015 13:42

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 94.3  | 74.0  | 111.0 |
| 160     | 41.6  | 34.7  | 52.1  |





#41

2,4,6-Tribromophenol

Concen: 131.02 ng

RT: 15.92 min Scan# 2252

Delta R.T. -0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

Instrument :

BNA\_G

ClientSampleId :

2

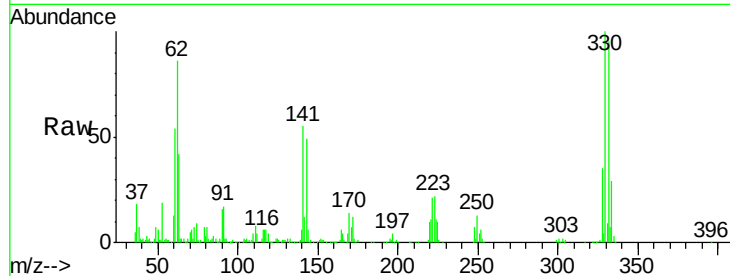
Tot Ion:330 Resp: 213547

Ion Ratio Lower Upper

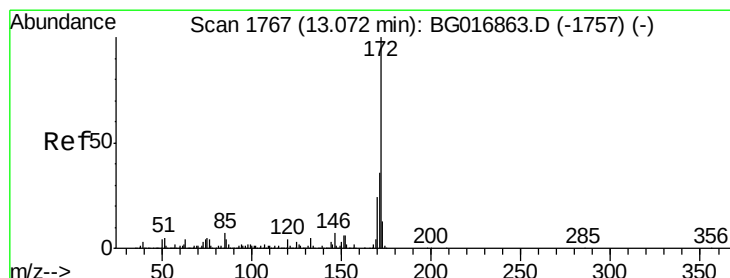
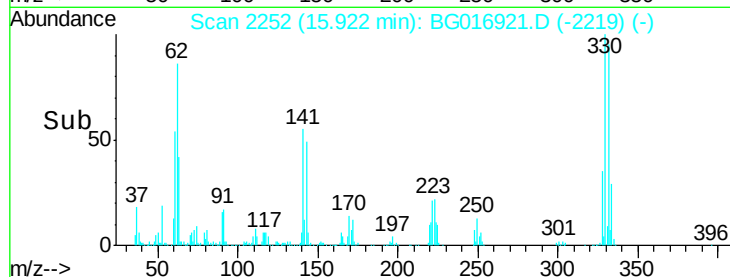
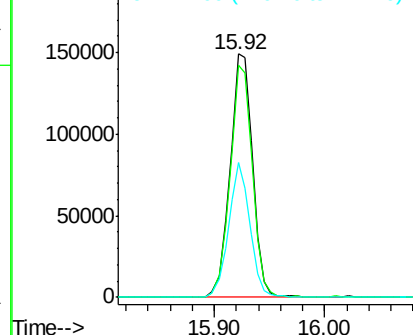
330 100

332 94.6 0.0 0.0#

141 52.1 0.0 0.0#



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: 90.20 ng

RT: 13.06 min Scan# 1765

Delta R.T. 0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

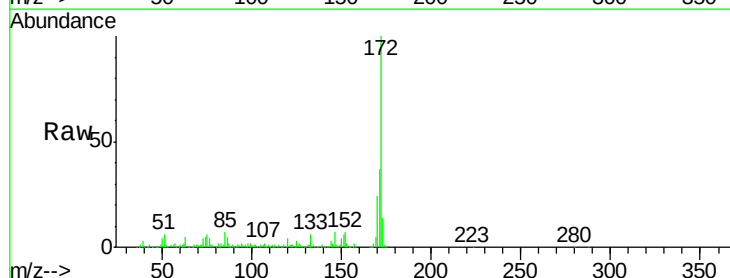
Tgt Ion:172 Resp: 970438

Ion Ratio Lower Upper

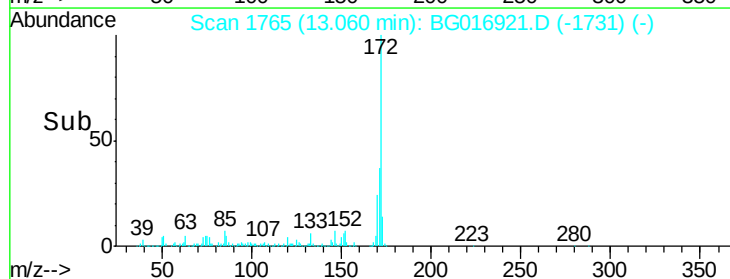
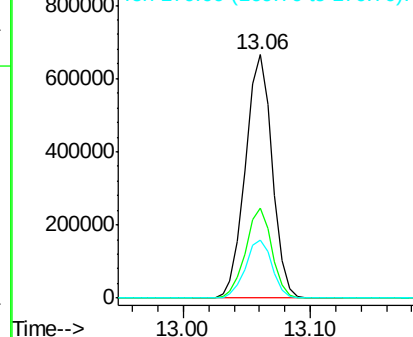
172 100

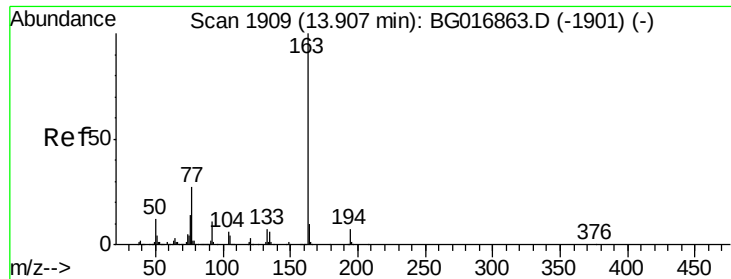
171 36.9 29.0 43.4

170 23.8 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





#49

Dimethylphthalate

Concen: 2.89 ng

RT: 13.89 min Scan# 1907

Delta R.T. -0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

Instrument :

BNA\_G

ClientSampleId :

2

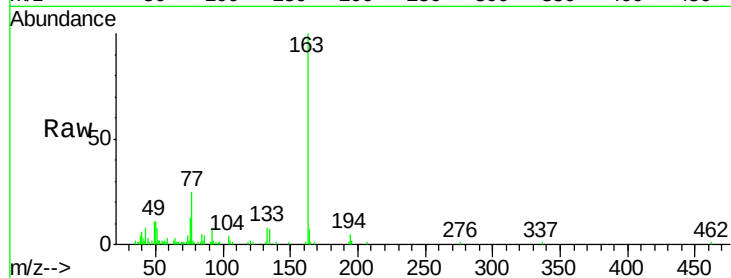
Tot Ion:163 Resp: 35076

Ion Ratio Lower Upper

163 100

194 4.7 5.2 7.8#

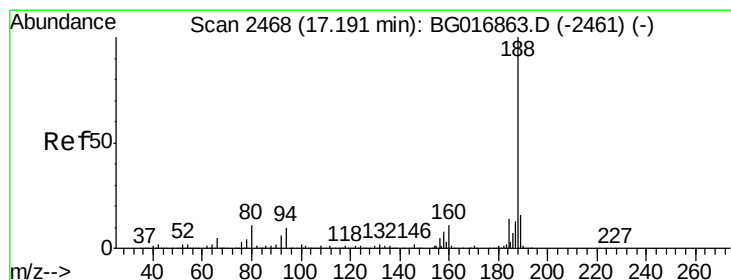
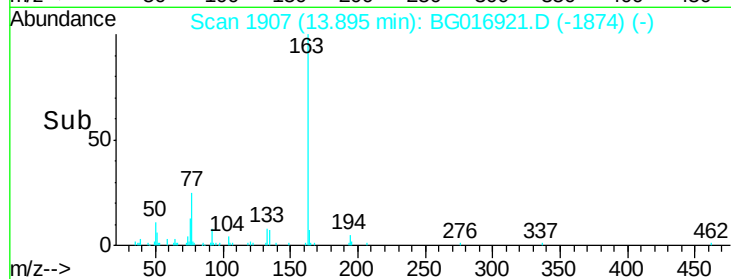
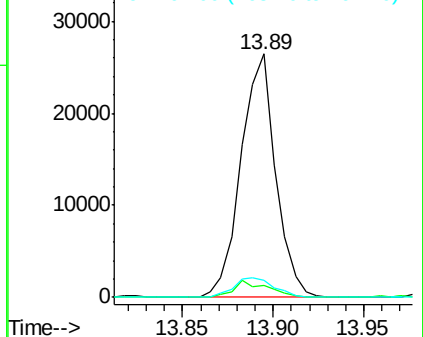
164 7.7 8.4 12.6#



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: 17.18 min Scan# 2466

Delta R.T. -0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

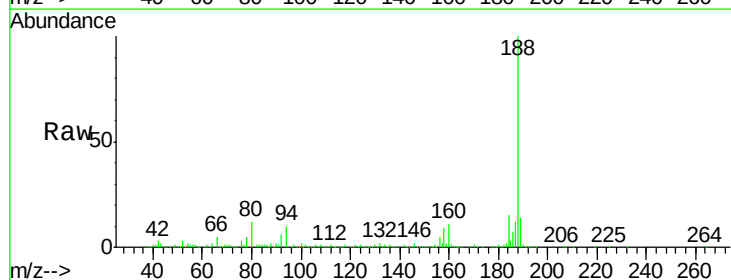
Tgt Ion:188 Resp: 358456

Ion Ratio Lower Upper

188 100

94 10.4 8.2 12.4

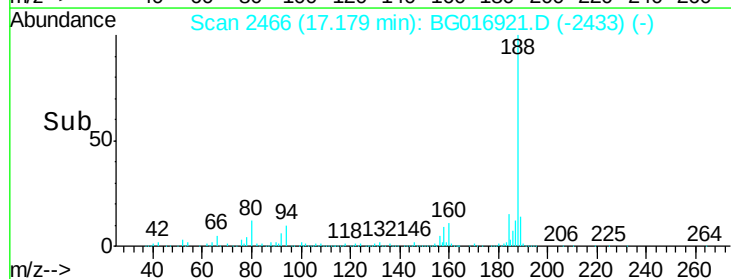
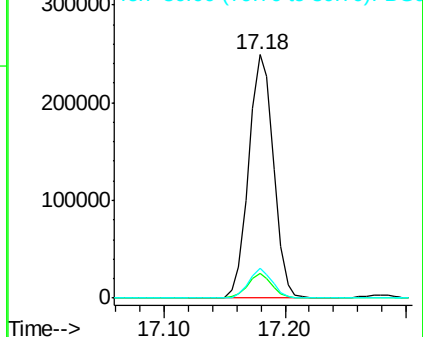
80 12.1 8.8 13.2

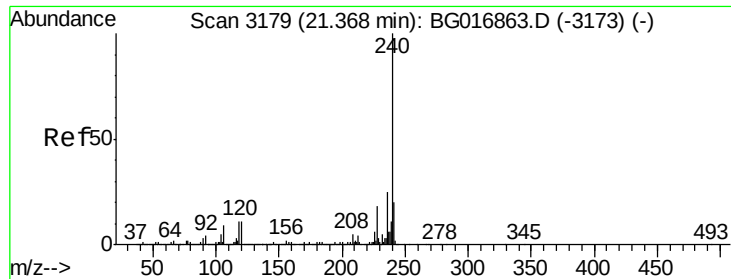


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.36 min Scan# 3178

Delta R.T. 0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

Instrument :

BNA\_G

ClientSampleId :

2

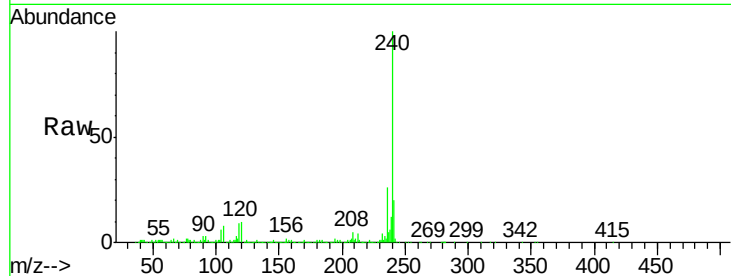
Tot Ion:240 Resp: 358484

Ion Ratio Lower Upper

240 100

120 10.1 9.1 13.7

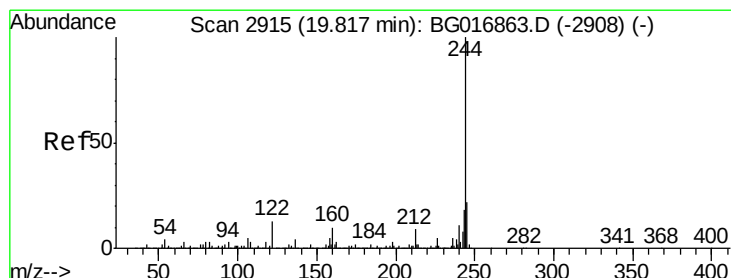
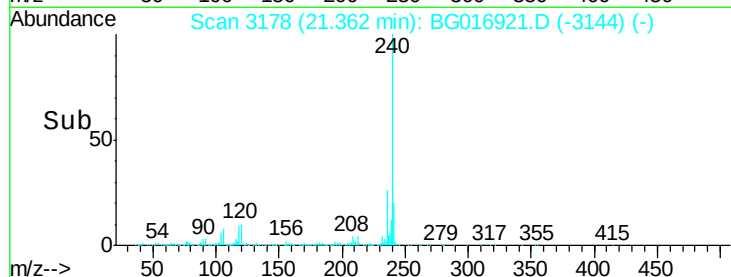
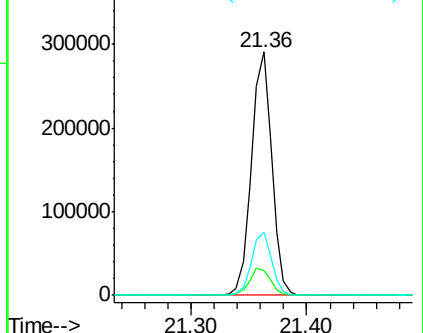
236 25.7 20.2 30.4



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: 95.80 ng

RT: 19.81 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG016921.D

Acq: 7 May 2015 13:42

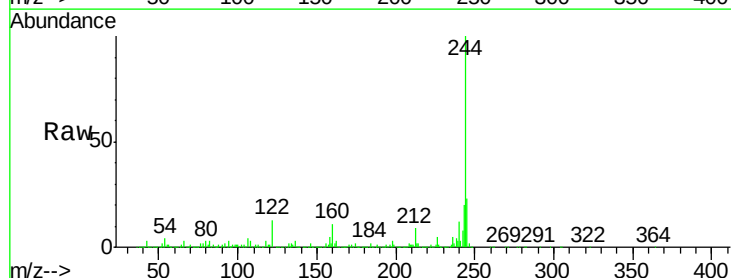
Tgt Ion:244 Resp: 1464988

Ion Ratio Lower Upper

244 100

212 9.0 7.0 10.6

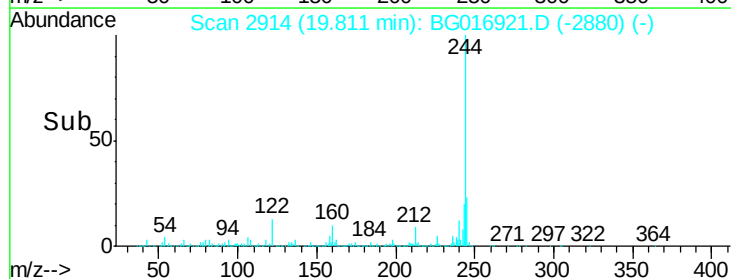
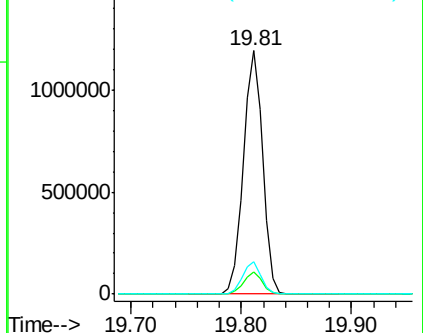
122 13.3 10.4 15.6



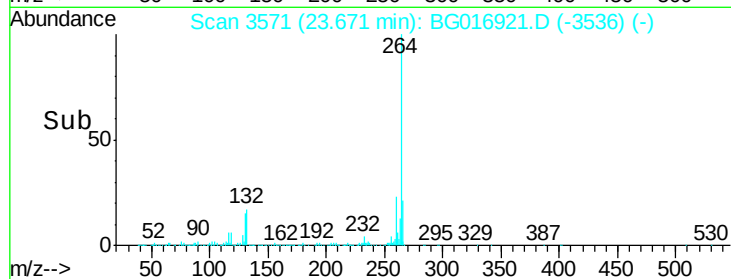
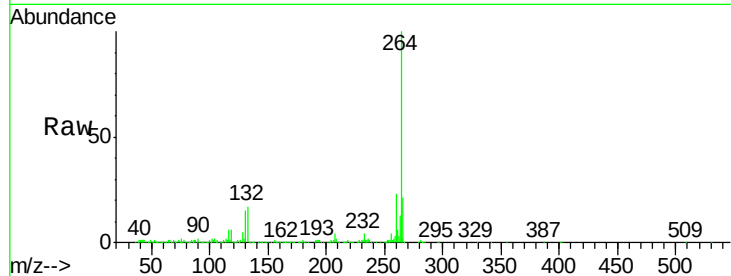
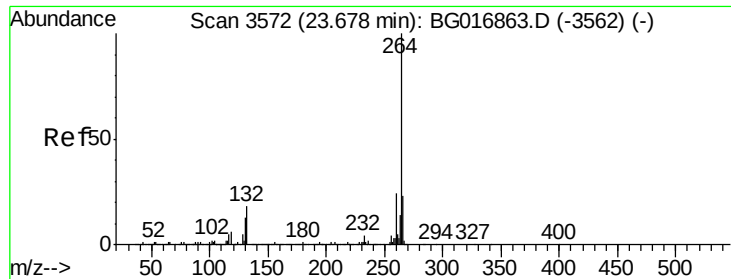
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E







#86  
Pervlene-d12  
Concen: 20.00 ng  
RT: 23.67 min Scan# 3571  
Delta R.T. 0.01 min  
Lab File: BG016921.D  
Acq: 7 May 2015 13:42

Instrument :  
BNA\_G  
ClientSampleId :  
2

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.3  | 19.5  | 29.3  |
| 265     | 21.5  | 18.5  | 27.7  |

