

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG073016\  
 Data File : BG023341.D  
 Acq On : 29 Jul 2016 19:49  
 Operator : UM/SJ  
 Sample : H4176-02  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-25-10.5-15.0

Quant Time: Jul 30 01:24:32 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG072616.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Jul 27 17:30:33 2016  
 Response via : Initial Calibration

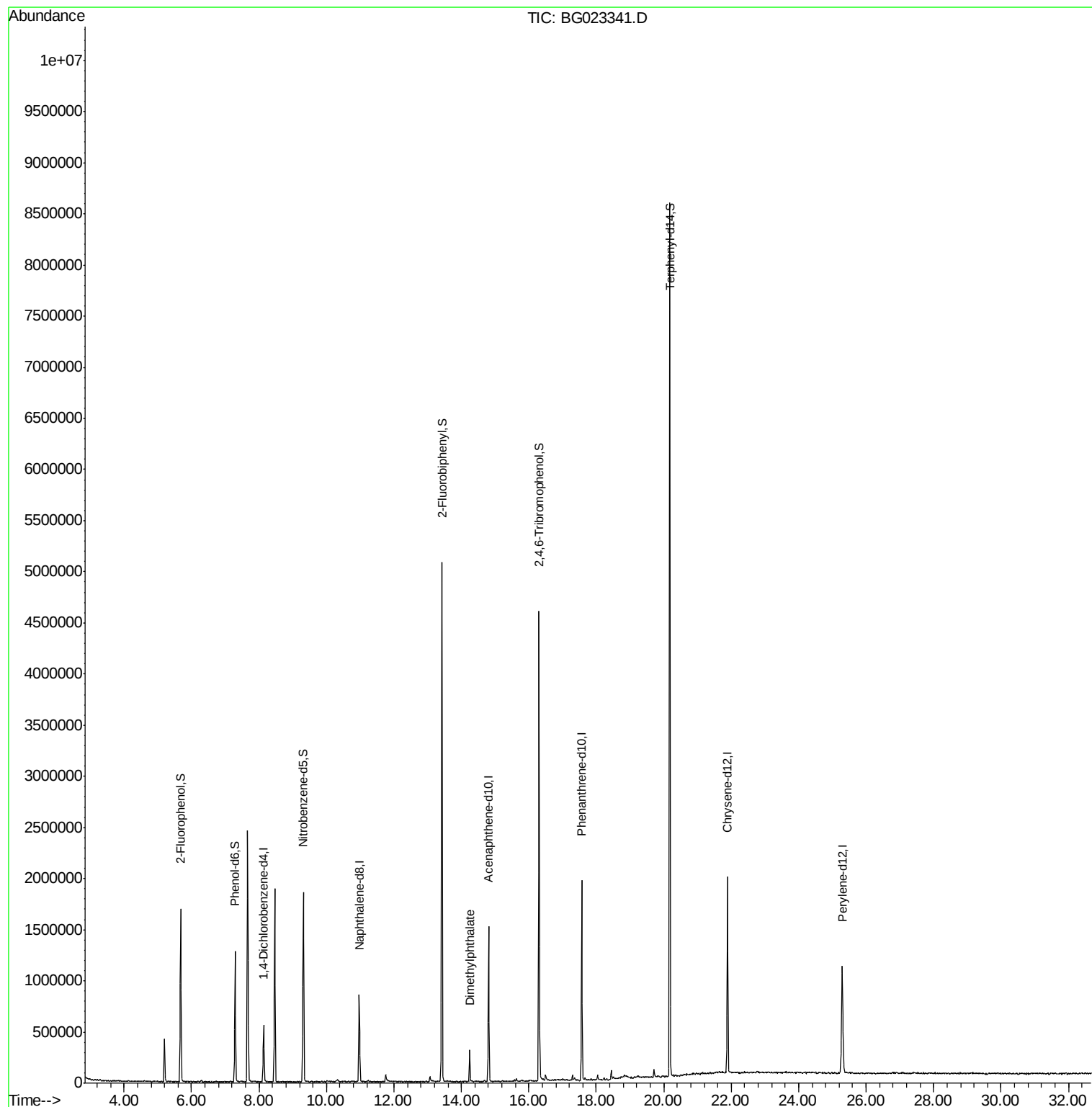
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.14  | 152  | 152030   | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 10.97 | 136  | 711024   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.80 | 164  | 500375   | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.57 | 188  | 1152307  | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.89 | 240  | 1147752  | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.29 | 264  | 1171689  | 20.00  | ng    | -0.01          |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.67  | 112  | 736198   | 82.67  | ng    | 0.00           |
| 7) Phenol-d6                | 7.29  | 99   | 809364   | 59.20  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.31  | 82   | 1213410  | 83.45  | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 821125   | 158.55 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2496621  | 93.38  | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.18 | 244  | 3084191  | 87.35  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 49) Dimethylphthalate       | 14.25 | 163  | 197572   | 5.35   | ng    | Qvalue<br># 97 |

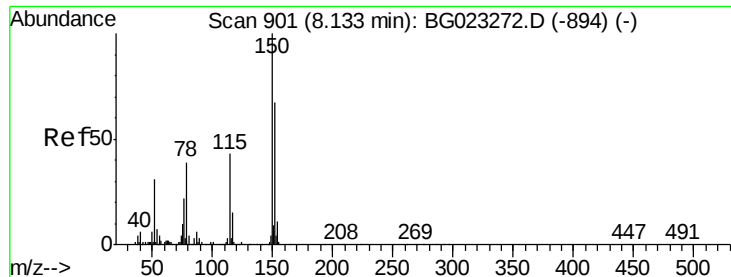
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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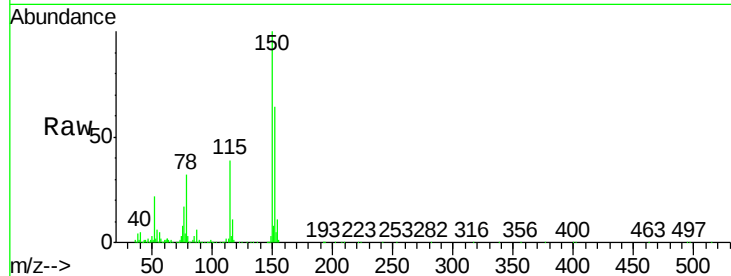


#1

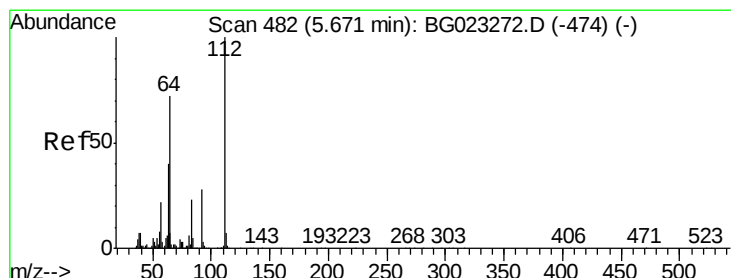
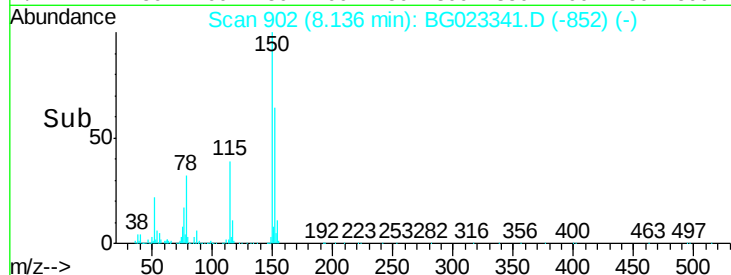
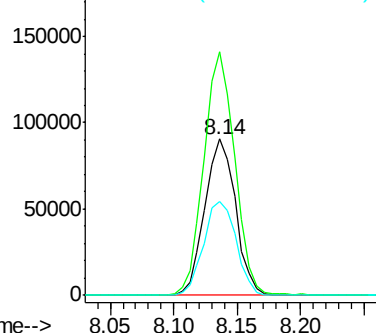
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.14 min Scan# 902  
Delta R.T. -0.00 min  
Lab File: BG023341.D  
Acq: 29 Jul 2016 19:49

Instrument :  
BNA\_G  
ClientSampleId :  
GW-25-10.5-15.0

Tgt Ion:152 Resp: 152030  
Ion Ratio Lower Upper  
152 100  
150 155.9 144.7 217.1  
115 60.2 64.0 96.0#



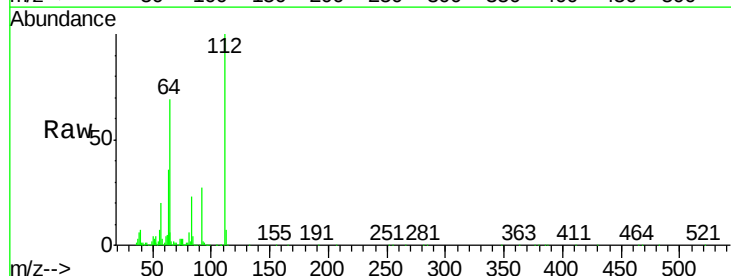
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



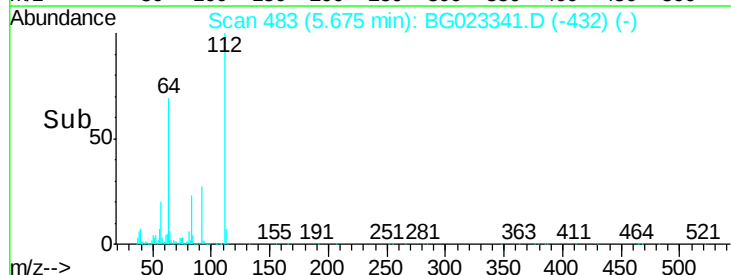
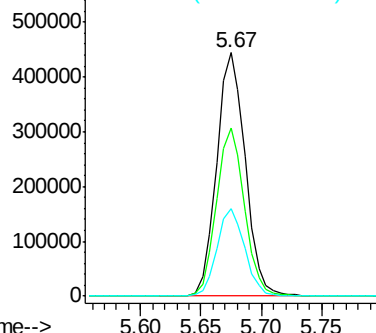
#5

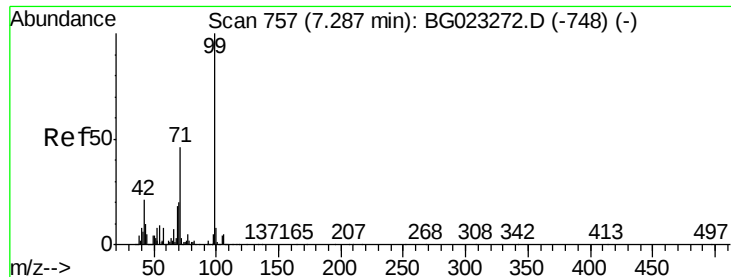
2-Fluorophenol  
Concen: 82.67 ng  
RT: 5.67 min Scan# 483  
Delta R.T. 0.00 min  
Lab File: BG023341.D  
Acq: 29 Jul 2016 19:49

Tgt Ion:112 Resp: 736198  
Ion Ratio Lower Upper  
112 100  
64 68.9 59.0 88.4  
63 36.0 37.8 56.8#



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG  
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 59.20 ng

RT: 7.29 min Scan# 758

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

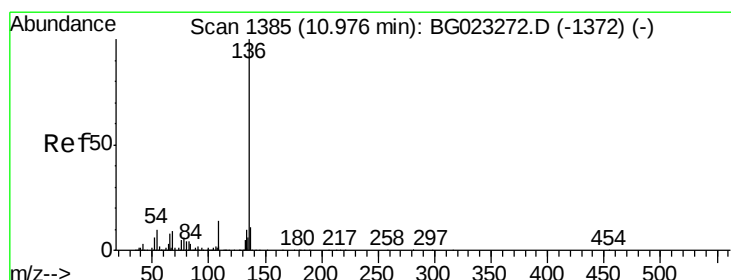
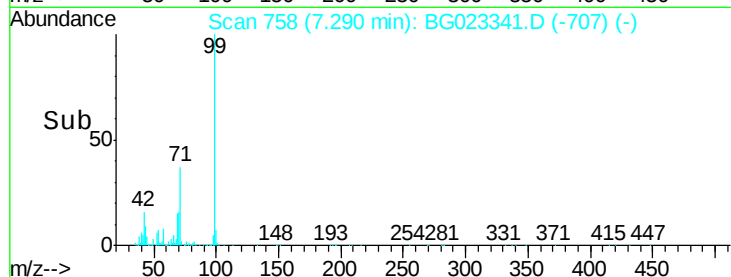
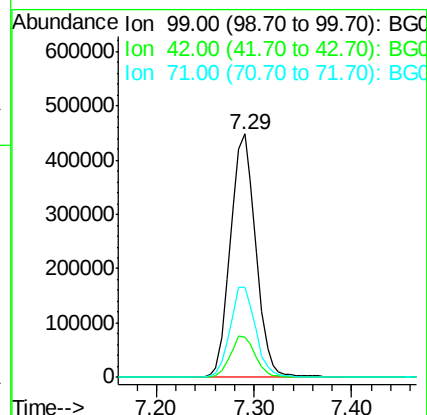
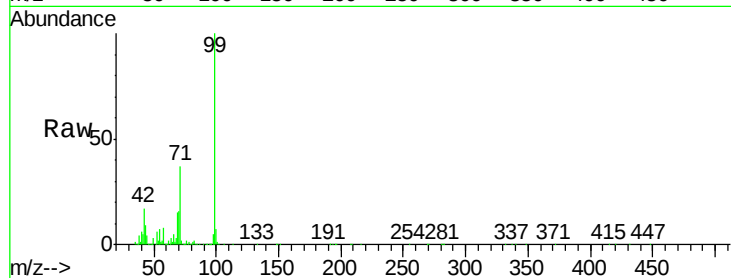
Tgt Ion: 99 Resp: 809364

Ion Ratio Lower Upper

99 100

42 16.5 17.8 26.6#

71 37.2 41.5 62.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.97 min Scan# 1385

Delta R.T. -0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Tgt Ion: 136 Resp: 711024

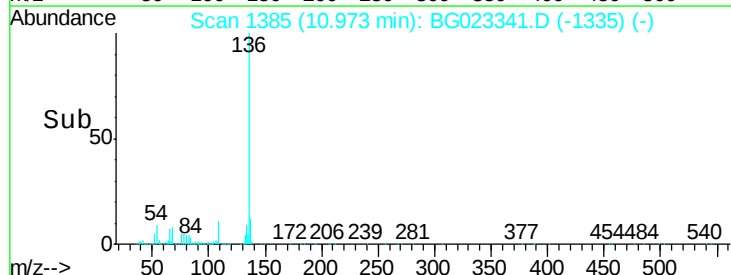
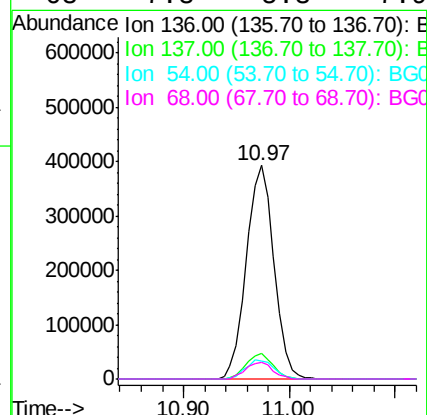
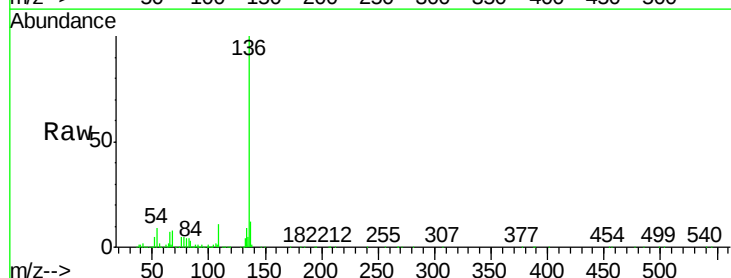
Ion Ratio Lower Upper

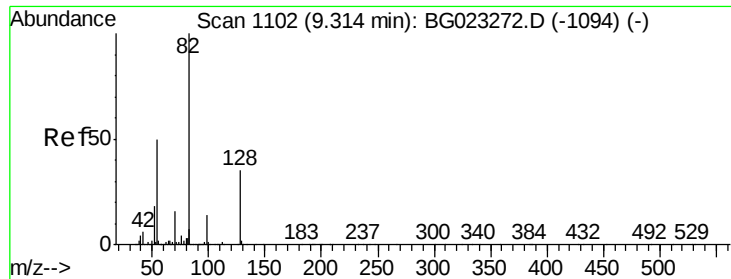
136 100

137 12.0 9.6 14.4

54 8.6 7.3 10.9

68 7.8 5.3 7.9

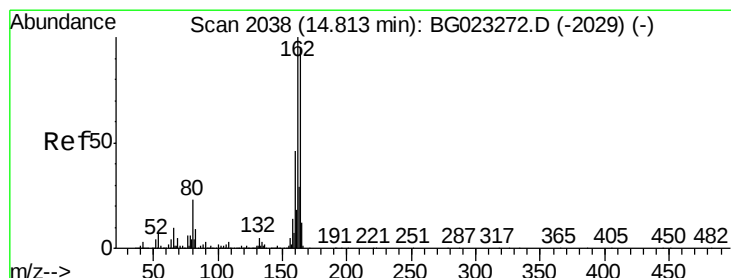
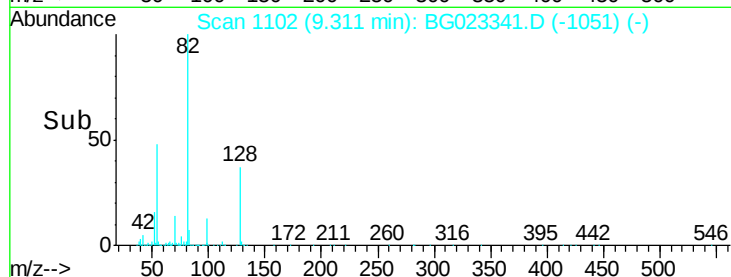
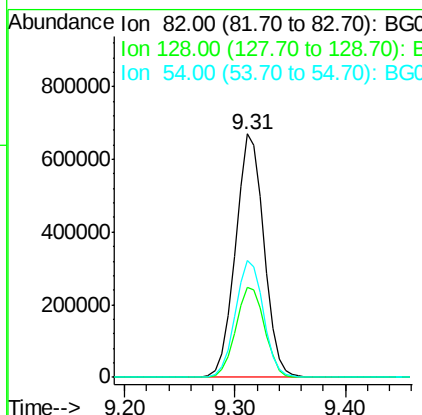
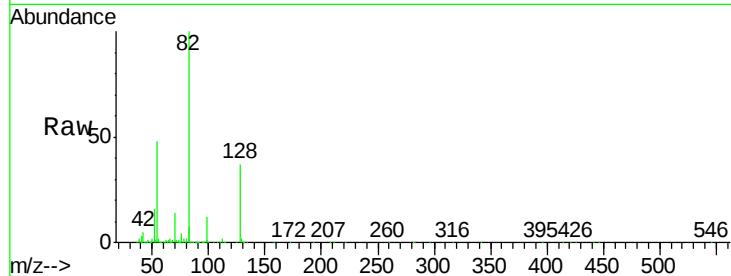




#23  
 Nitrobenzene-d5  
 Concen: 83.45 ng  
 RT: 9.31 min Scan# 1102  
 Delta R.T. 0.00 min  
 Lab File: BG023341.D  
 Acq: 29 Jul 2016 19:49

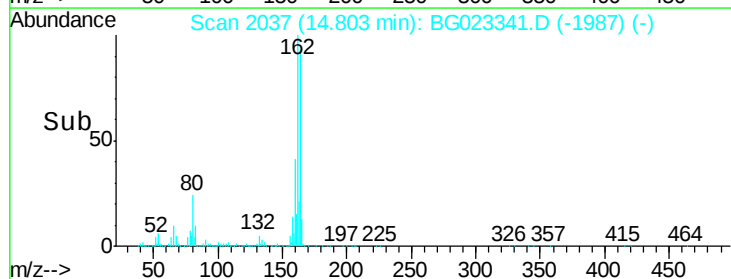
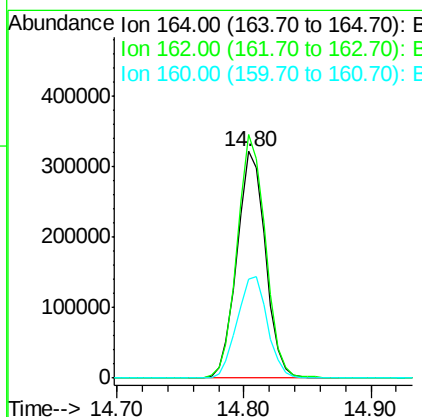
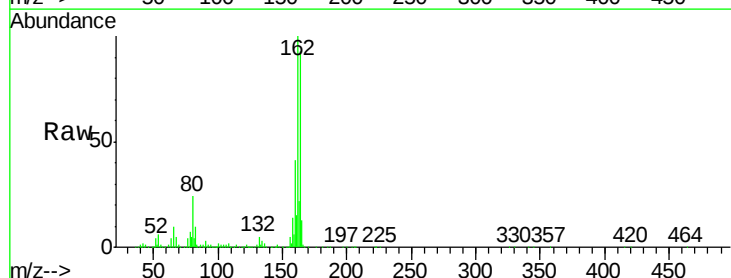
Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-25-10.5-15.0

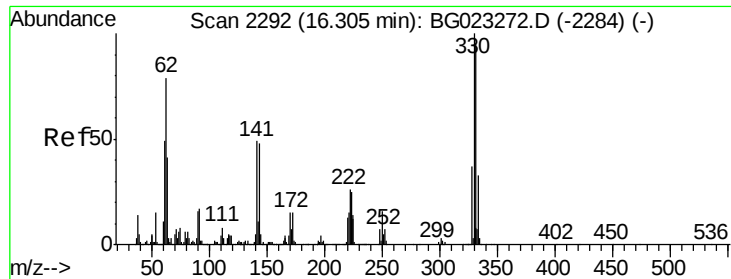
Tgt Ion: 82 Resp: 1213410  
 Ion Ratio Lower Upper  
 82 100  
 128 37.2 24.4 36.6#  
 54 48.0 41.4 62.0



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.80 min Scan# 2037  
 Delta R.T. -0.01 min  
 Lab File: BG023341.D  
 Acq: 29 Jul 2016 19:49

Tgt Ion: 164 Resp: 500375  
 Ion Ratio Lower Upper  
 164 100  
 162 107.5 87.7 131.5  
 160 43.7 37.2 55.8

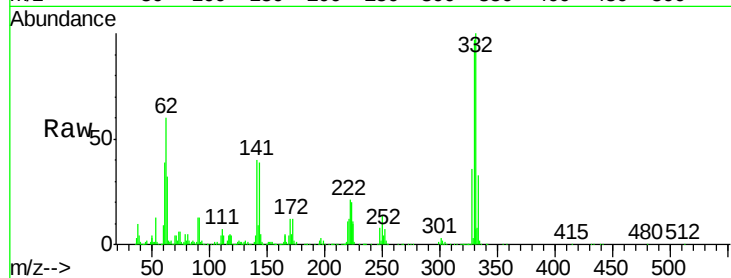




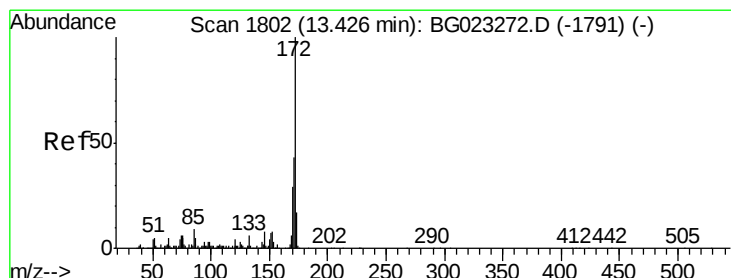
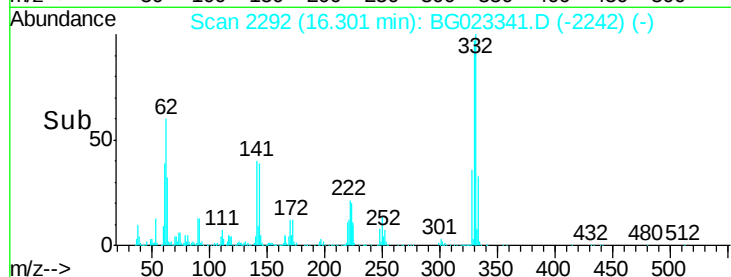
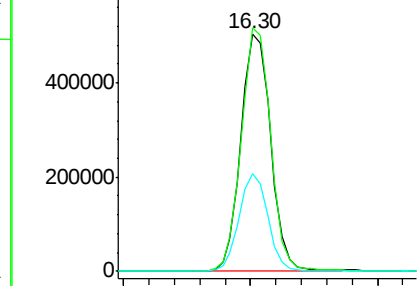
#41  
 2,4,6-Tribromophenol  
 Concen: 158.55 ng  
 RT: 16.30 min Scan# 2292  
 Delta R.T. -0.01 min  
 Lab File: BG023341.D  
 Acq: 29 Jul 2016 19:49

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-25-10.5-15.0

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 330     | 100   |       |       |
| 332     | 101.4 | 77.4  | 116.2 |
| 141     | 39.7  | 31.7  | 47.5  |

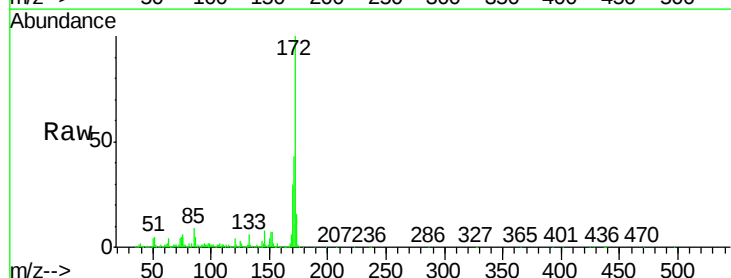


Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

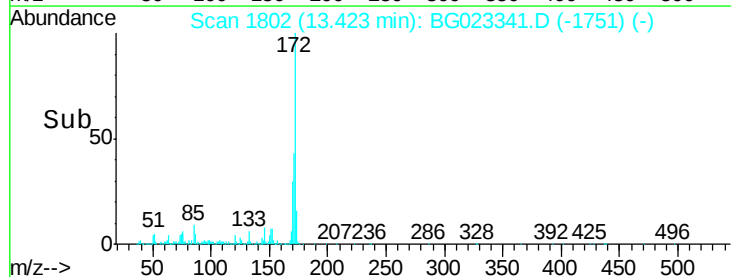
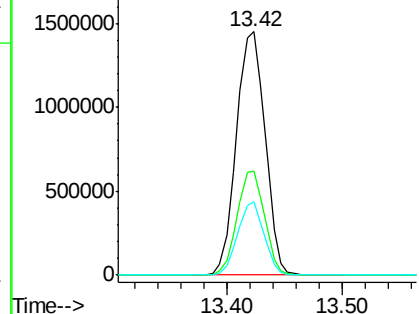


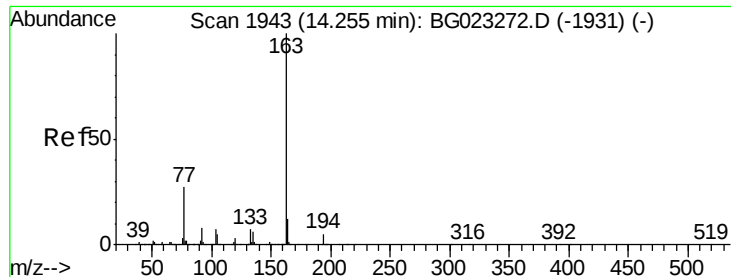
#44  
 2-Fluorobiphenyl  
 Concen: 93.38 ng  
 RT: 13.42 min Scan# 1802  
 Delta R.T. 0.00 min  
 Lab File: BG023341.D  
 Acq: 29 Jul 2016 19:49

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 42.8  | 31.6  | 47.4  |
| 170     | 30.1  | 21.3  | 31.9  |



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: 5.35 ng

RT: 14.25 min Scan# 1942

Delta R.T. -0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

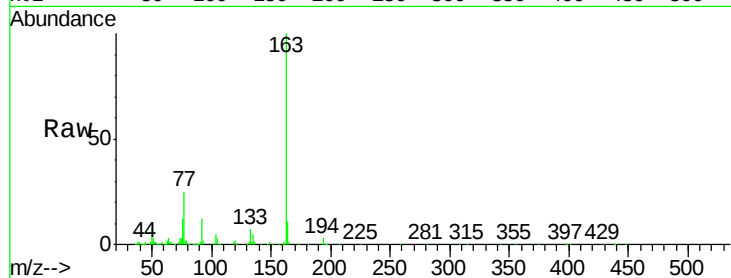
Tgt Ion:163 Resp: 197572

Ion Ratio Lower Upper

163 100

194 3.1 3.6 5.4#

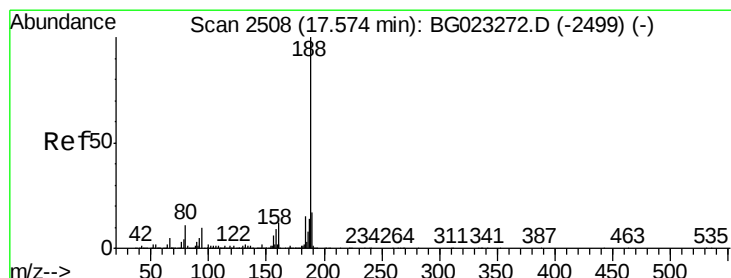
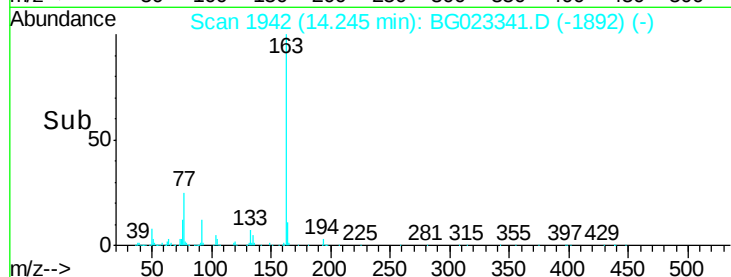
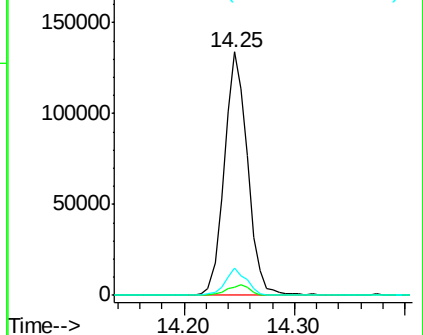
164 11.0 8.1 12.1



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: 17.57 min Scan# 2508

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

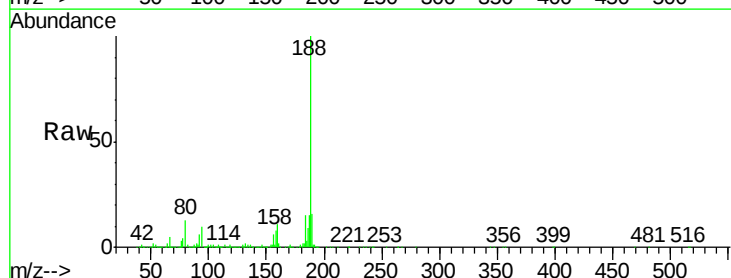
Tgt Ion:188 Resp: 1152307

Ion Ratio Lower Upper

188 100

94 9.5 5.2 7.8#

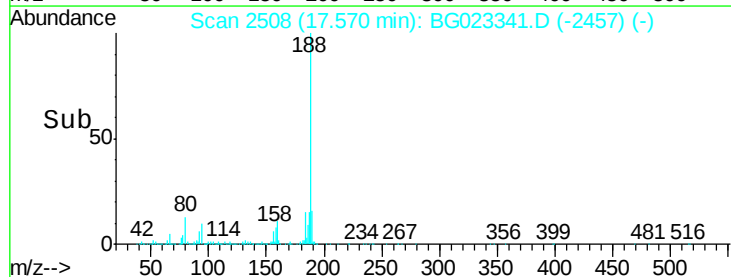
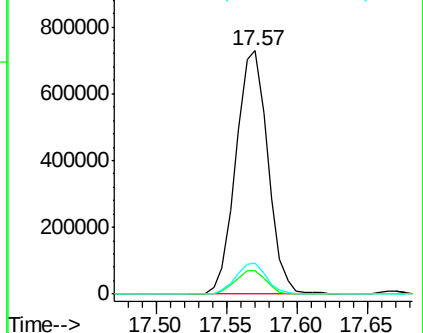
80 12.9 7.2 10.8#

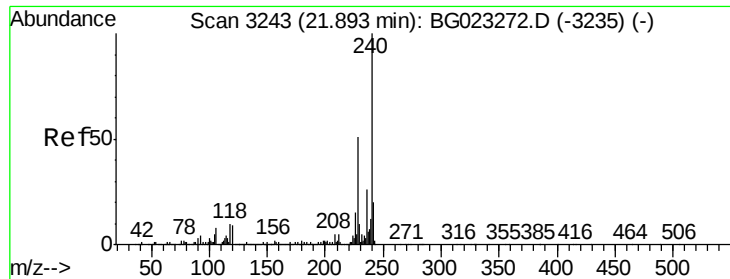


Abundance Ion 188.00 (187.70 to 188.70): E

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: 21.89 min Scan# 3243

Delta R.T. -0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

Instrument :

BNA\_G

ClientSampleId :

GW-25-10.5-15.0

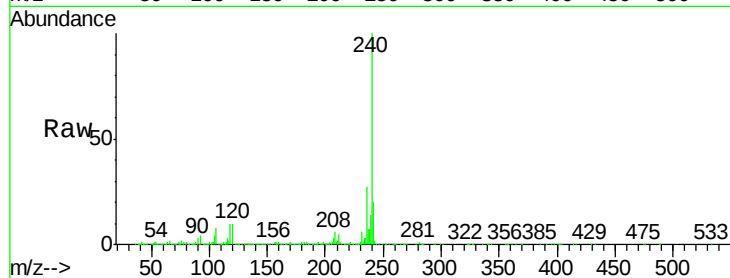
Tgt Ion:240 Resp: 1147752

Ion Ratio Lower Upper

240 100

120 10.0 4.1 6.1#

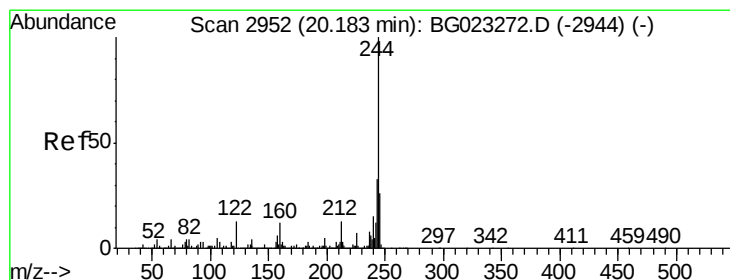
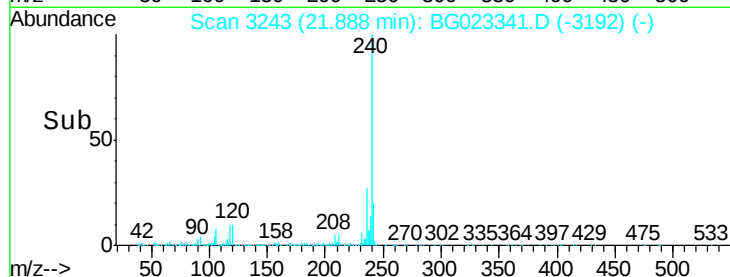
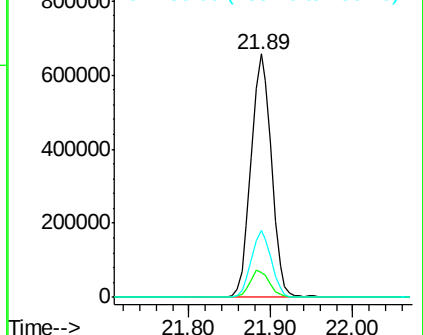
236 27.4 21.1 31.7



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: 87.35 ng

RT: 20.18 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BG023341.D

Acq: 29 Jul 2016 19:49

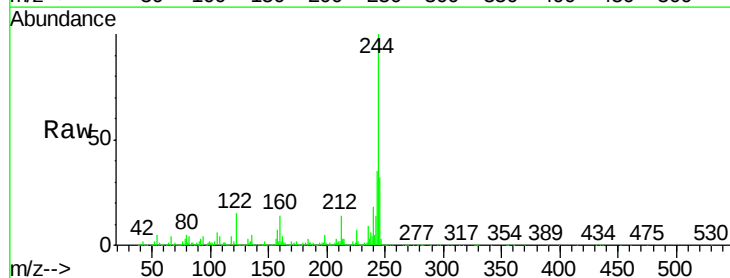
Tgt Ion:244 Resp: 3084191

Ion Ratio Lower Upper

244 100

212 13.8 10.8 16.2

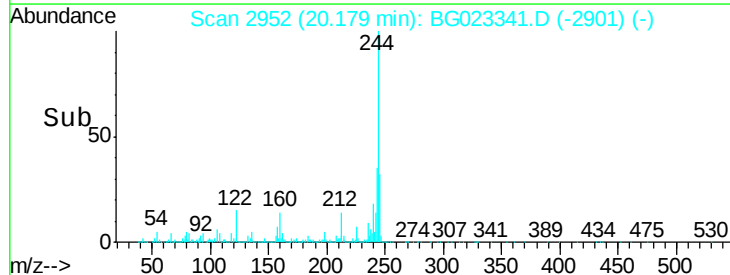
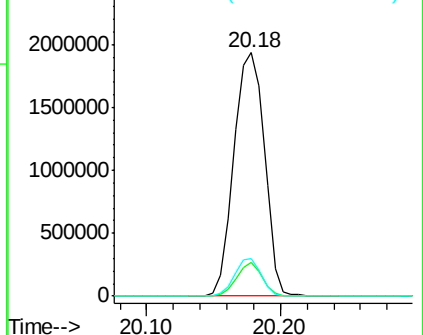
122 15.2 8.0 12.0#

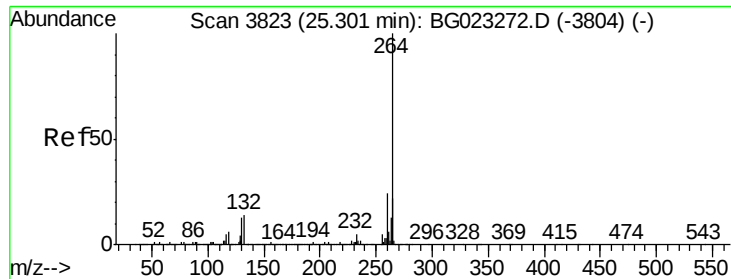


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.29 min Scan# 3822  
Delta R.T. -0.01 min  
Lab File: BG023341.D  
Acq: 29 Jul 2016 19:49

Instrument :  
BNA\_G  
ClientSampleId :  
GW-25-10.5-15.0

Tgt Ion: 264 Resp: 1171689  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.3  | 18.4  | 27.6  |
| 265 | 22.1  | 18.9  | 28.3  |

