

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041416\  
 Data File : BG021650.D  
 Acq On : 14 Apr 2016 13:20  
 Operator : UM/SJ  
 Sample : H2418-06  
 Misc : LOQ 20PPM  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GMW-1

Quant Time: Apr 15 00:50:47 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

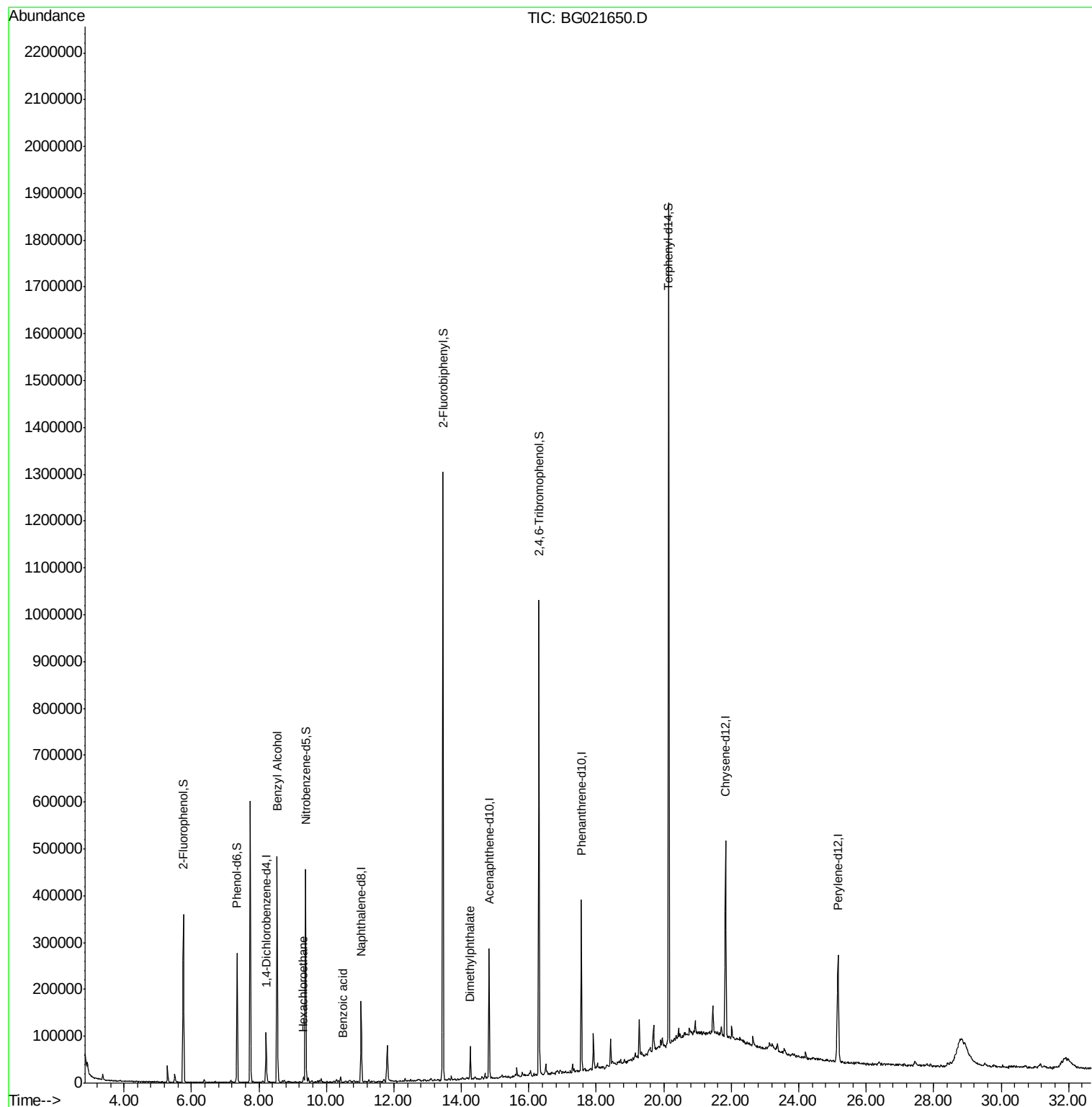
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.22  | 152  | 30351    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 11.03 | 136  | 144305   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.82 | 164  | 94910    | 20.00  | ng    | 0.00     |
| 63) Phenanthrene-d10        | 17.56 | 188  | 224307   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.83 | 240  | 250241   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12            | 25.17 | 264  | 243868   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.76  | 112  | 161412   | 88.56  | ng    | 0.00     |
| 7) Phenol-d6                | 7.35  | 99   | 162346   | 59.63  | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 275591   | 98.16  | ng    | 0.00     |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 176154   | 172.21 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.45 | 172  | 658484   | 101.65 | ng    | 0.00     |
| 78) Terphenyl-d14           | 20.14 | 244  | 783505   | 78.13  | ng    | 0.00     |
| Target Compounds            |       |      |          |        |       |          |
| 15) Benzyl Alcohol          | 8.54  | 79   | 4245     | 2.04   | ng    | # 52     |
| 18) Hexachloroethane        | 9.32  | 117  | 2131     | 2.36   | ng    | # 1      |
| 32) Benzoic acid            | 10.47 | 122  | 54       | 4.31   | ng    | # 1      |
| 49) Dimethylphthalate       | 14.26 | 163  | 46324    | 5.65   | ng    | 99       |

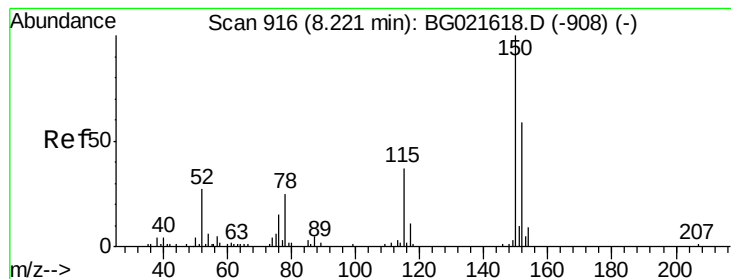
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Apr 13 15:48:13 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 915

Delta R.T. -0.00 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

Instrument :

BNA\_G

ClientSampleId :

GMW-1

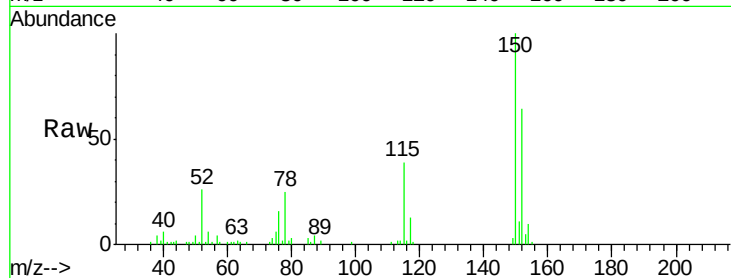
Tgt Ion:152 Resp: 30351

Ion Ratio Lower Upper

152 100

150 156.7 130.1 195.1

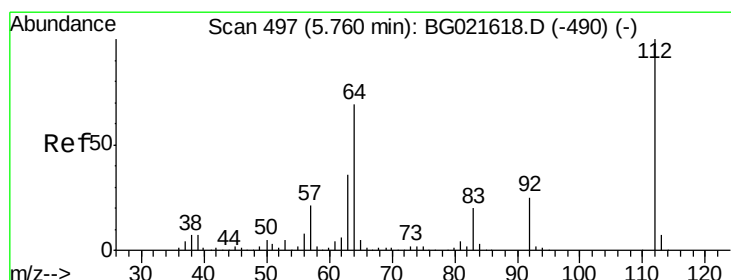
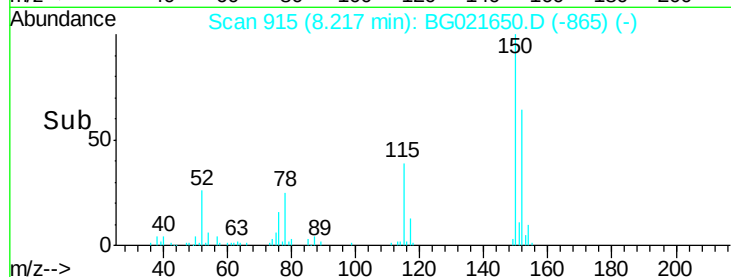
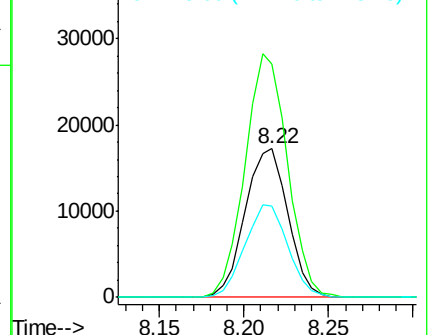
115 61.1 62.2 93.2#



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: 88.56 ng

RT: 5.76 min Scan# 497

Delta R.T. 0.00 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

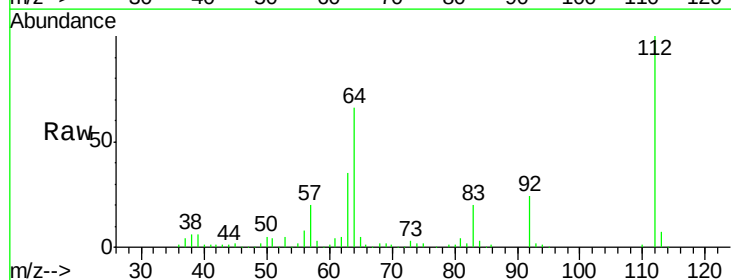
Tgt Ion:112 Resp: 161412

Ion Ratio Lower Upper

112 100

64 66.2 51.1 76.7

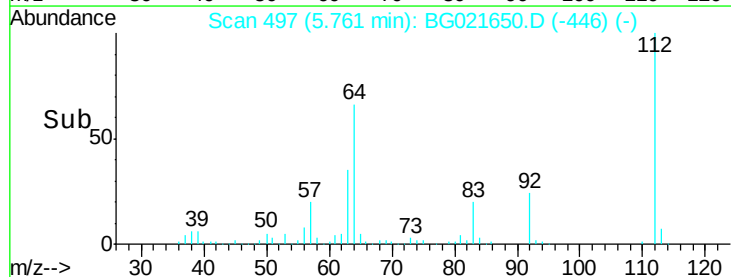
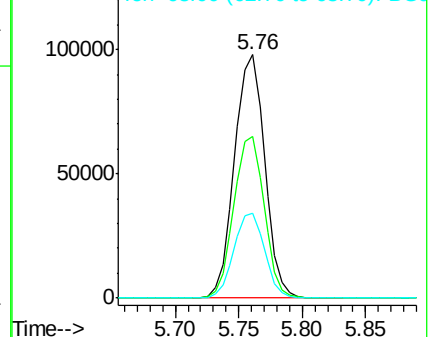
63 35.0 24.6 37.0

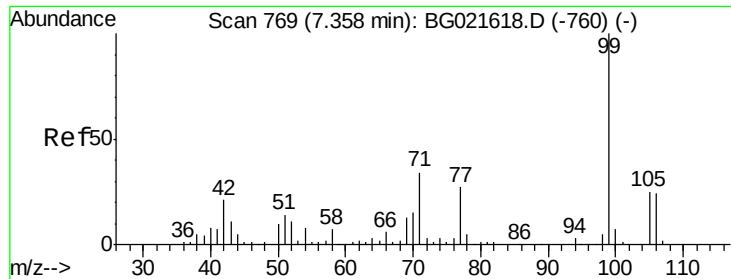


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 59.63 ng

RT: 7.35 min Scan# 768

Delta R.T. -0.00 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

Instrument :

BNA\_G

ClientSampleId :

GMW-1

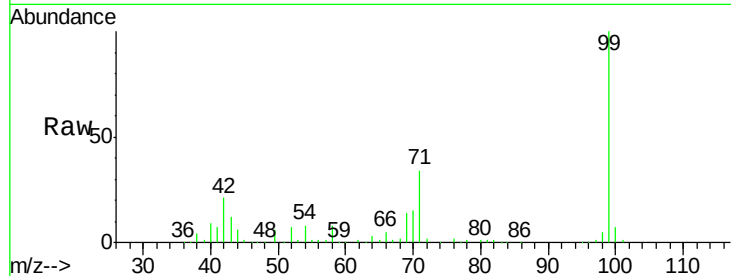
Tgt Ion: 99 Resp: 162346

Ion Ratio Lower Upper

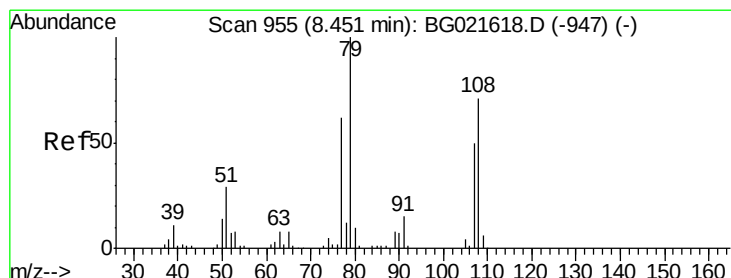
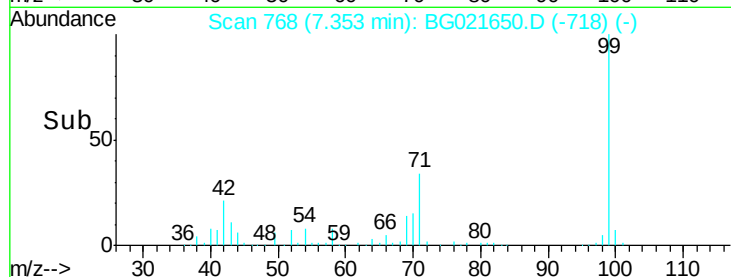
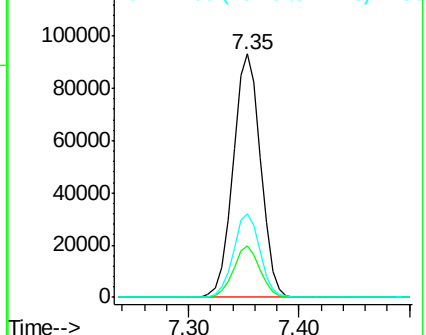
99 100

42 21.2 16.4 24.6

71 34.4 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



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 8.54 min Scan# 970

Delta R.T. 0.09 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

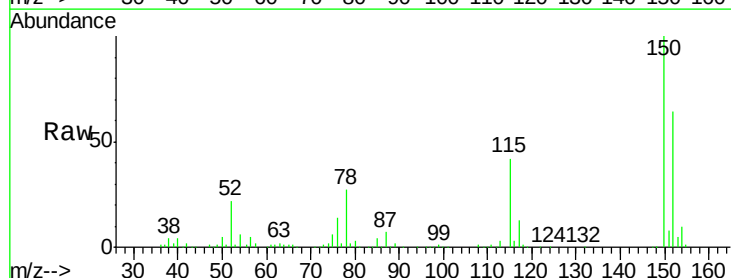
Tgt Ion: 79 Resp: 4245

Ion Ratio Lower Upper

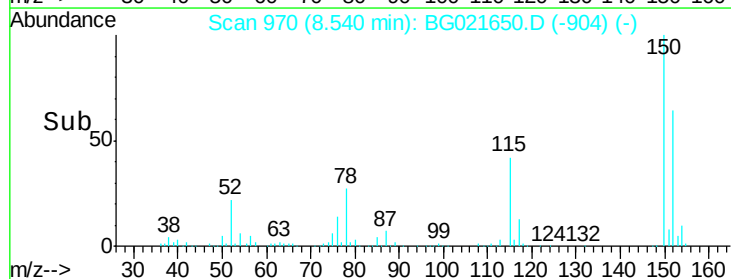
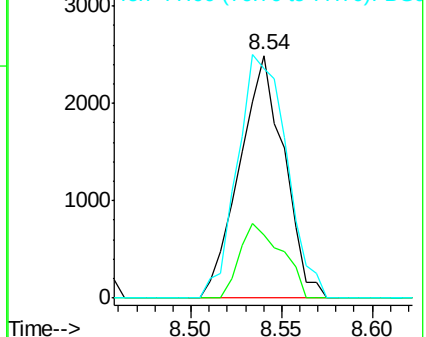
79 100

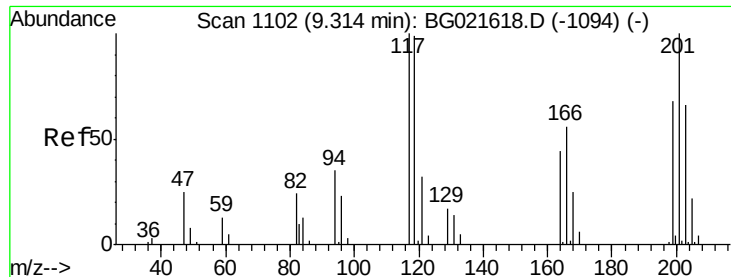
108 26.1 59.4 89.0#

77 94.6 52.2 78.2#



Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC

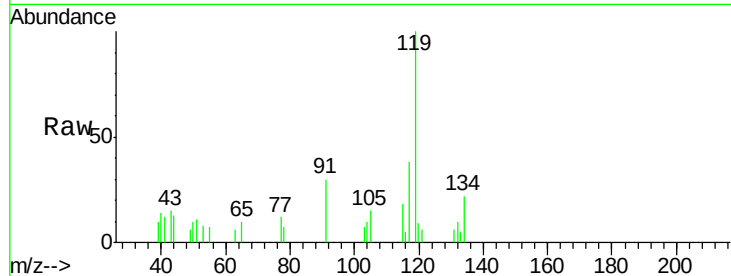




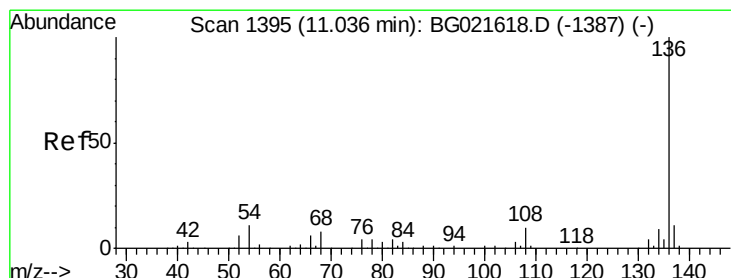
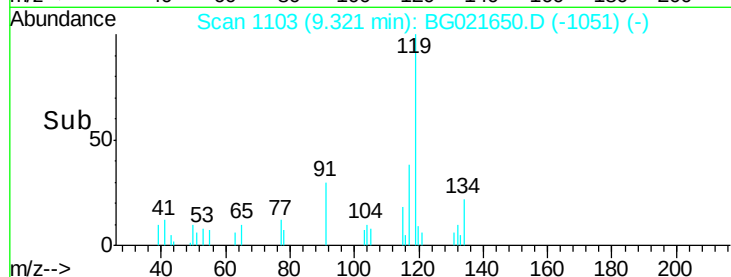
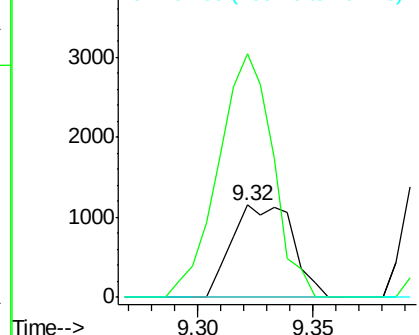
#18  
Hexachloroethane  
Concen: 2.36 ng  
RT: 9.32 min Scan# 1103  
Delta R.T. 0.01 min  
Lab File: BG021650.D  
Acq: 14 Apr 2016 13:20

Instrument :  
BNA\_G  
ClientSampleId :  
GMW-1

Tgt Ion:117 Resp: 2131  
Ion Ratio Lower Upper  
117 100  
119 263.2 63.9 95.9#  
201 0.0 61.2 91.8#

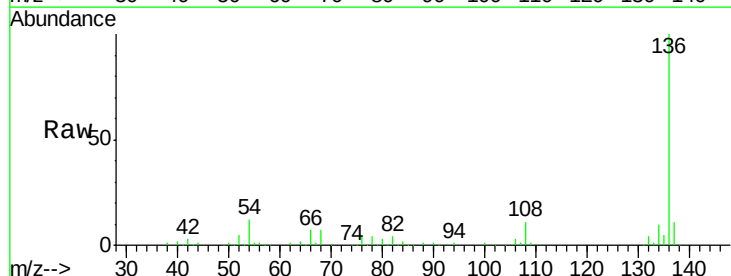


Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E

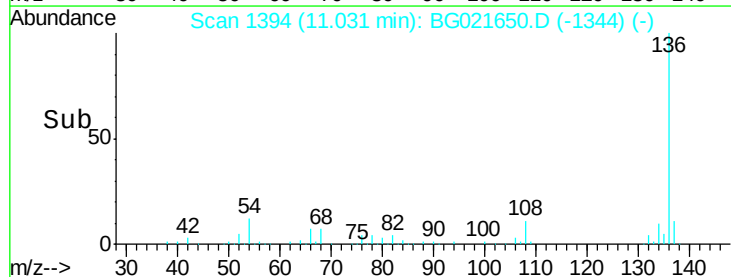
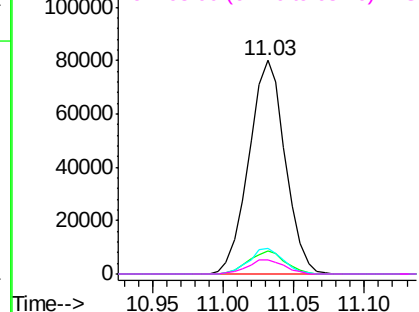


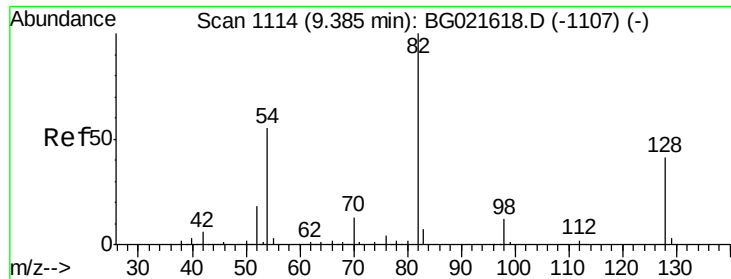
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1394  
Delta R.T. -0.00 min  
Lab File: BG021650.D  
Acq: 14 Apr 2016 13:20

Tgt Ion:136 Resp: 144305  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.4  
54 11.8 9.6 14.4  
68 6.7 6.4 9.6



Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

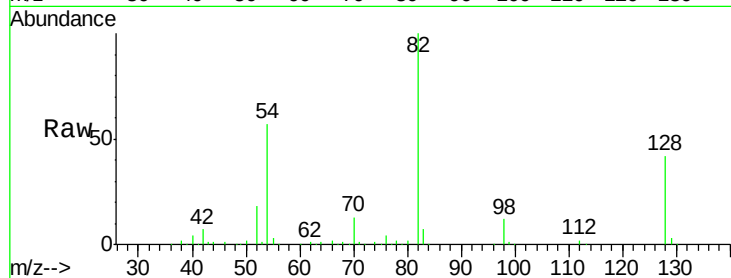




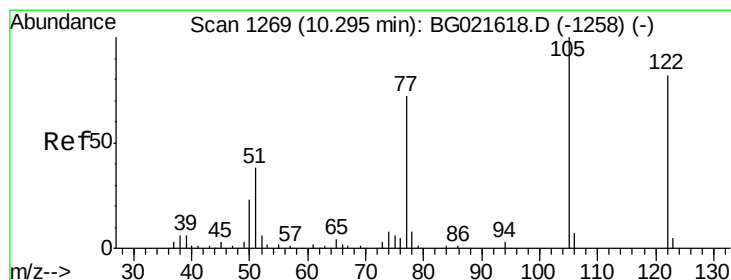
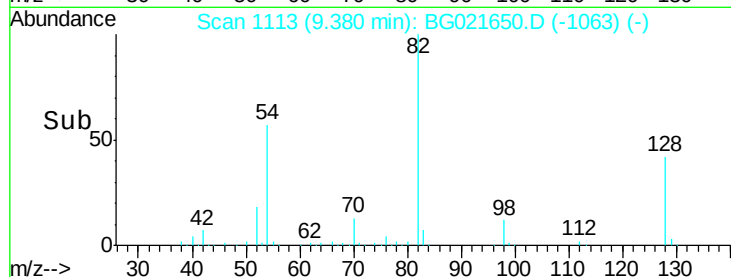
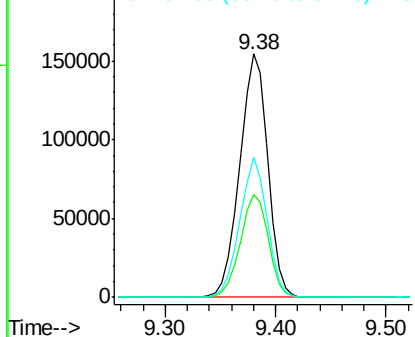
#23  
 Nitrobenzene-d5  
 Concen: 98.16 ng  
 RT: 9.38 min Scan# 1113  
 Delta R.T. -0.00 min  
 Lab File: BG021650.D  
 Acq: 14 Apr 2016 13:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GMW-1

Tgt Ion: 82 Resp: 275591  
 Ion Ratio Lower Upper  
 82 100  
 128 42.1 33.4 50.0  
 54 57.3 46.1 69.1

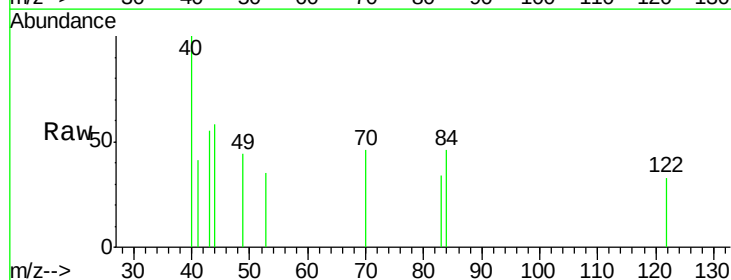


Abundance Ion 82.00 (81.70 to 82.70): BGC  
 Ion 128.00 (127.70 to 128.70): BGC  
 Ion 54.00 (53.70 to 54.70): BGC

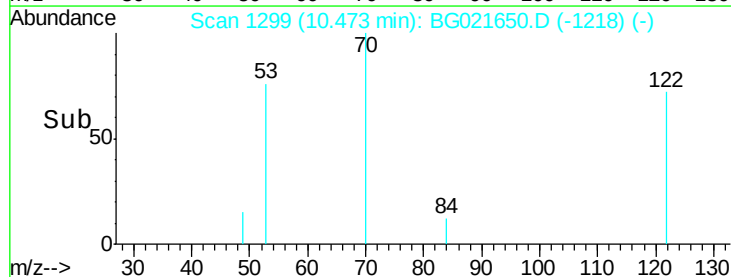
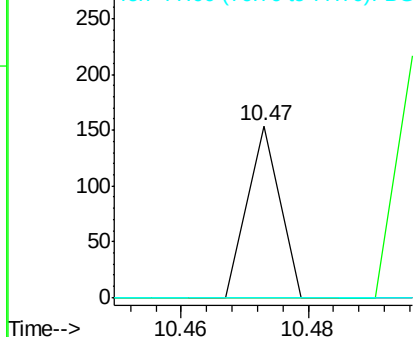


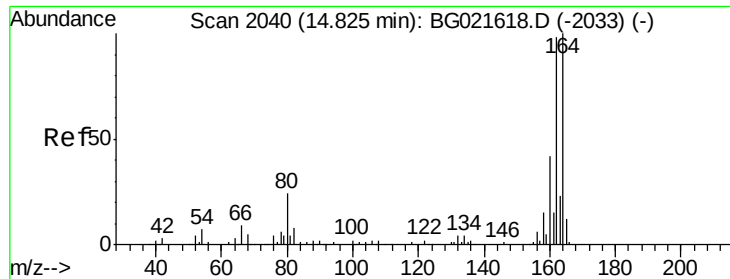
#32  
 Benzoic acid  
 Concen: 4.31 ng  
 RT: 10.47 min Scan# 1299  
 Delta R.T. 0.18 min  
 Lab File: BG021650.D  
 Acq: 14 Apr 2016 13:20

Tgt Ion: 122 Resp: 54  
 Ion Ratio Lower Upper  
 122 100  
 105 0.0 104.5 144.5#  
 77 0.0 79.9 119.9#



Abundance Ion 122.00 (121.70 to 122.70): BGC  
 Ion 105.00 (104.70 to 105.70): BGC  
 Ion 77.00 (76.70 to 77.70): BGC





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2039

Delta R.T. -0.00 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

Instrument :

BNA\_G

ClientSampleId :

GMW-1

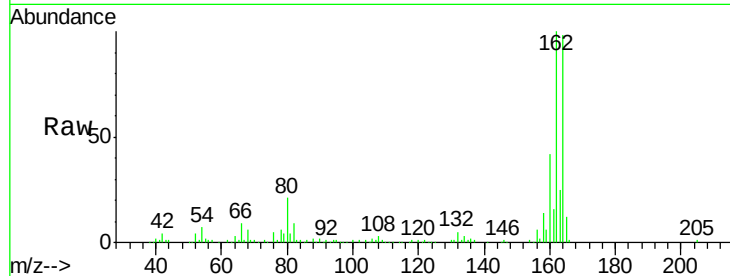
Tgt Ion:164 Resp: 94910

Ion Ratio Lower Upper

164 100

162 102.1 78.0 117.0

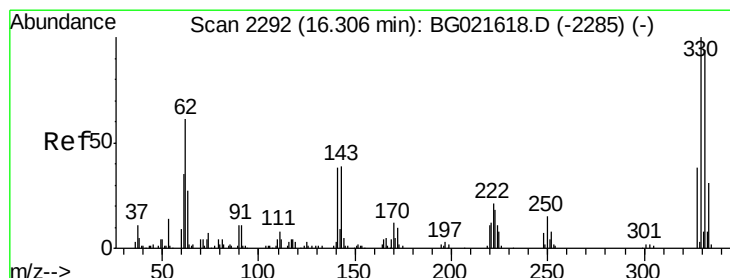
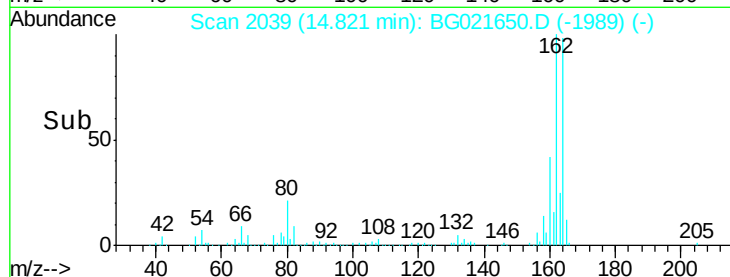
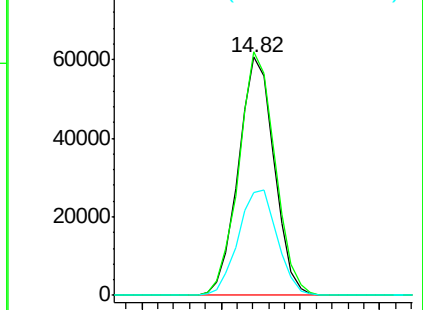
160 43.1 32.9 49.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 172.21 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.00 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

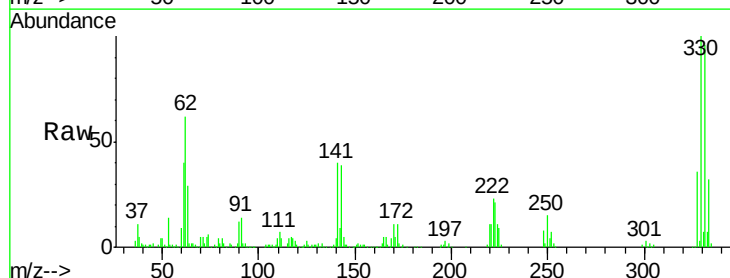
Tgt Ion:330 Resp: 176154

Ion Ratio Lower Upper

330 100

332 95.9 78.0 117.0

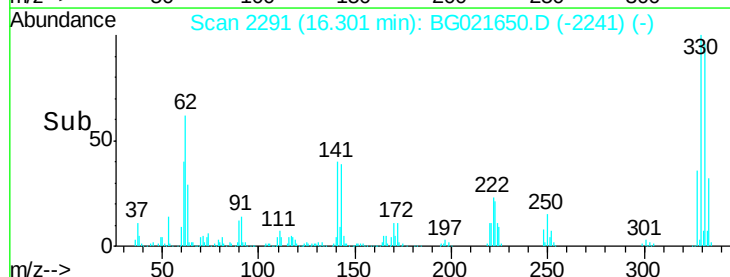
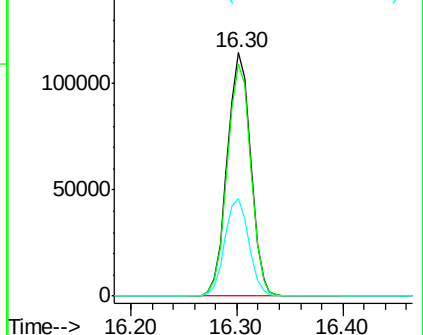
141 40.9 33.8 50.8

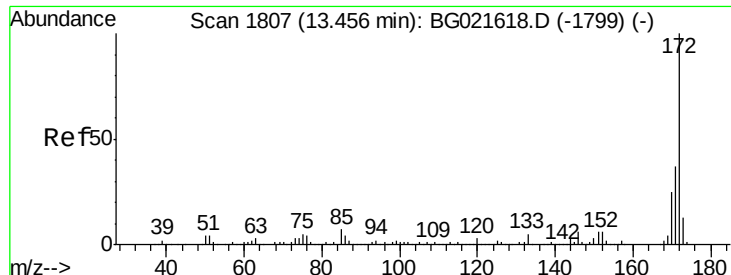


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

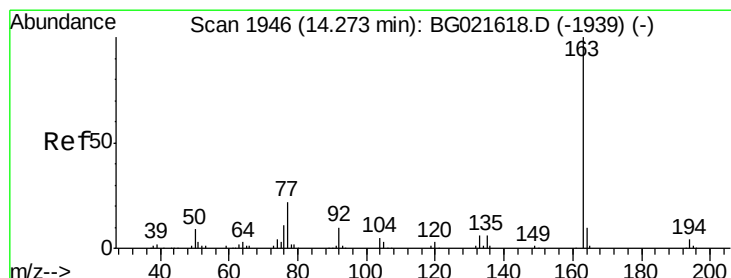
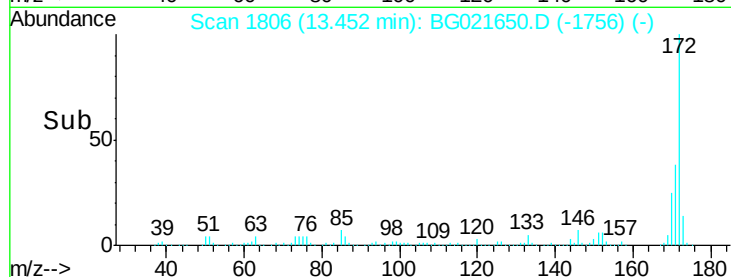
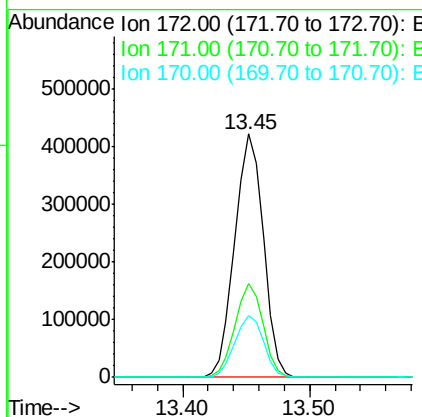
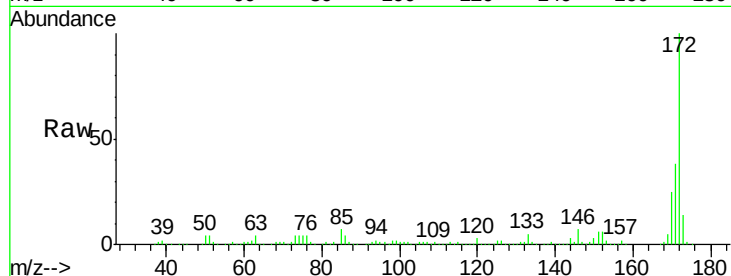




#44  
 2-Fluorobiphenyl  
 Concen: 101.65 ng  
 RT: 13.45 min Scan# 1806  
 Delta R.T. -0.00 min  
 Lab File: BG021650.D  
 Acq: 14 Apr 2016 13:20

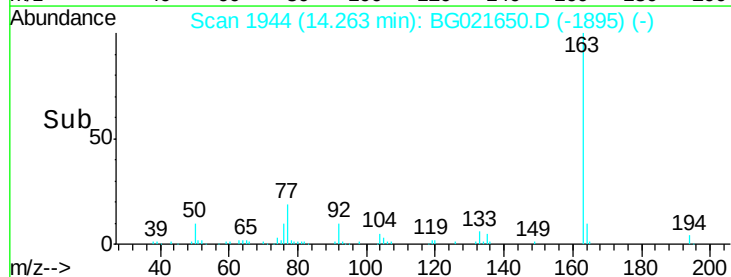
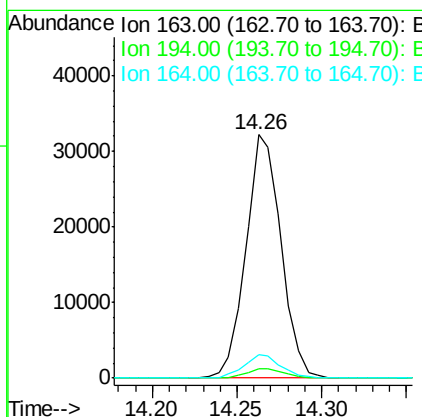
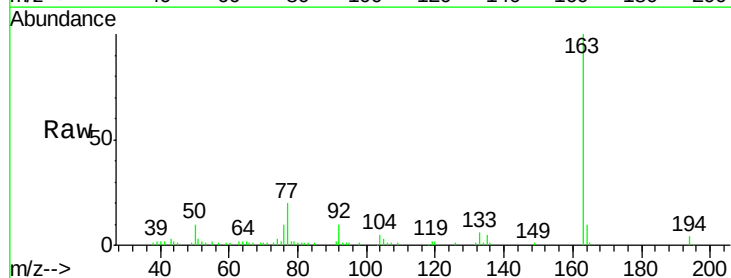
Instrument :  
 BNA\_G  
 ClientSampleId :  
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Tgt Ion:172 Resp: 658484  
 Ion Ratio Lower Upper  
 172 100  
 171 38.4 27.8 41.6  
 170 25.2 19.6 29.4

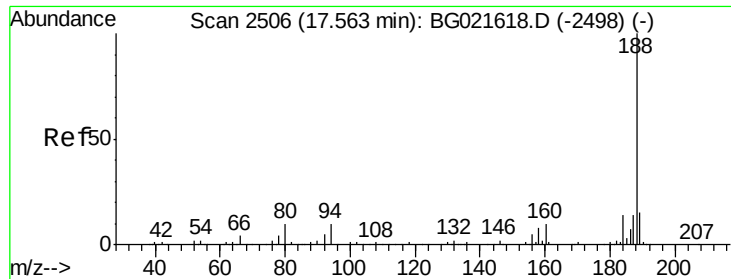


#49  
 Dimethylphthalate  
 Concen: 5.65 ng  
 RT: 14.26 min Scan# 1944  
 Delta R.T. -0.01 min  
 Lab File: BG021650.D  
 Acq: 14 Apr 2016 13:20

Tgt Ion:163 Resp: 46324  
 Ion Ratio Lower Upper  
 163 100  
 194 3.8 3.0 4.6  
 164 9.7 8.1 12.1



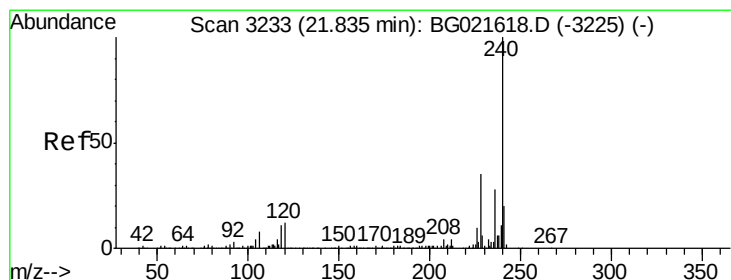
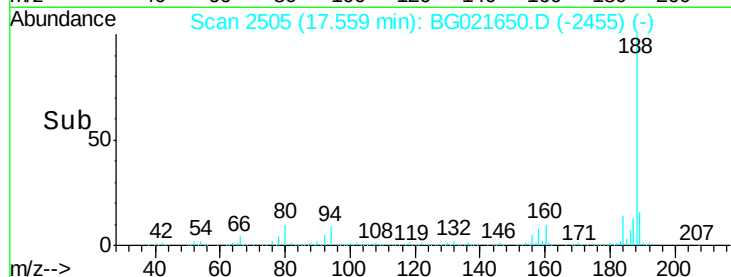
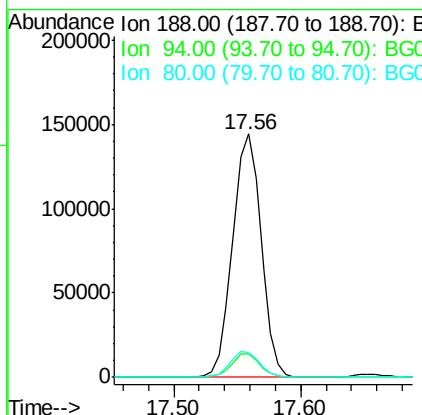
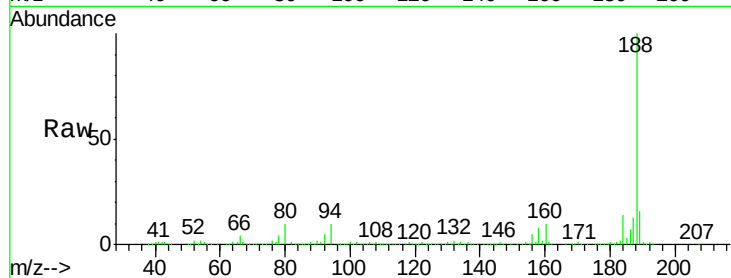




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2505  
Delta R.T. -0.00 min  
Lab File: BG021650.D  
Acq: 14 Apr 2016 13:20

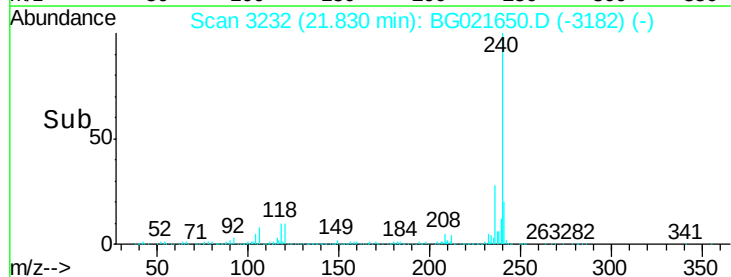
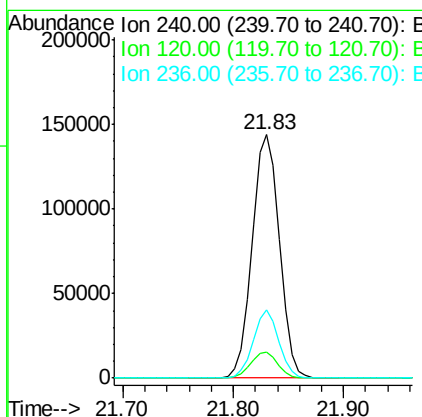
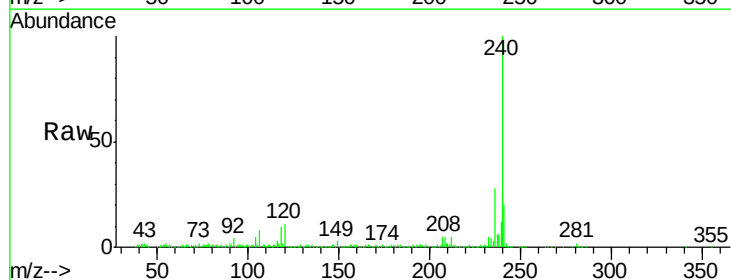
Instrument :  
BNA\_G  
ClientSampleId :  
GMW-1

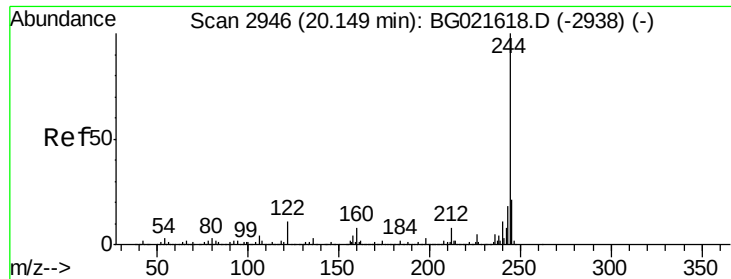
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.6   | 7.5   | 11.3  |
| 80      | 10.0  | 8.6   | 13.0  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.83 min Scan# 3232  
Delta R.T. -0.00 min  
Lab File: BG021650.D  
Acq: 14 Apr 2016 13:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.6  | 8.4   | 12.6  |
| 236     | 28.0  | 19.6  | 29.4  |





#78

Terphenyl-d14

Concen: 78.13 ng

RT: 20.14 min Scan# 2945

Delta R.T. -0.00 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

Instrument :

BNA\_G

ClientSampleId :

GMW-1

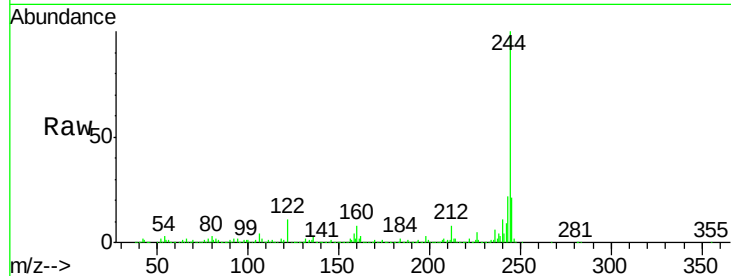
Tgt Ion:244 Resp: 783505

Ion Ratio Lower Upper

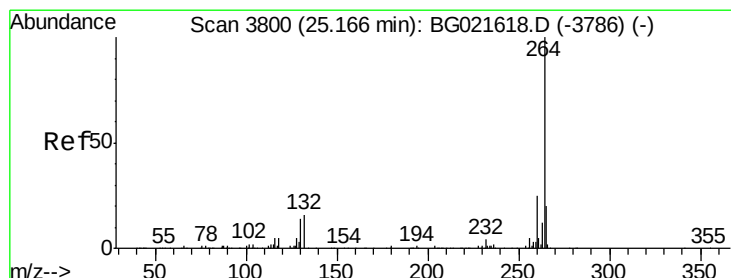
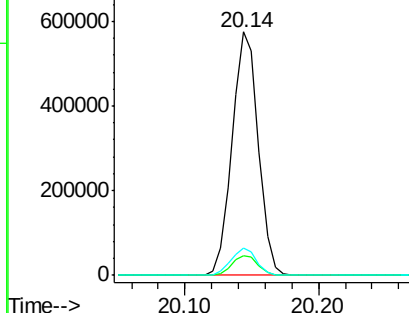
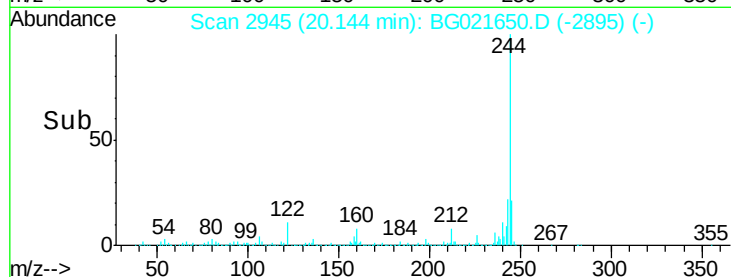
244 100

212 8.1 6.5 9.7

122 11.4 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: 25.17 min Scan# 3800

Delta R.T. 0.00 min

Lab File: BG021650.D

Acq: 14 Apr 2016 13:20

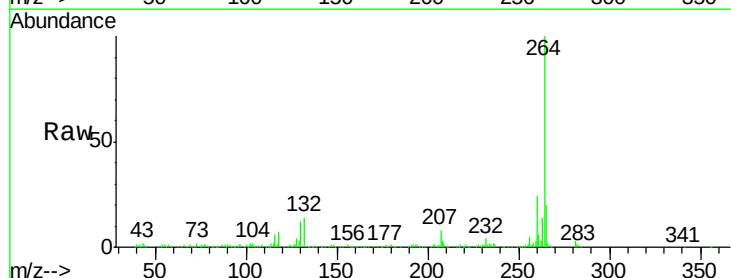
Tgt Ion:264 Resp: 243868

Ion Ratio Lower Upper

264 100

260 23.9 20.2 30.4

265 20.1 17.8 26.8



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

