

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041416\  
 Data File : BG021654.D  
 Acq On : 14 Apr 2016 15:57  
 Operator : UM/SJ  
 Sample : H2372-01  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GMW-9

Quant Time: Apr 15 01:38:51 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

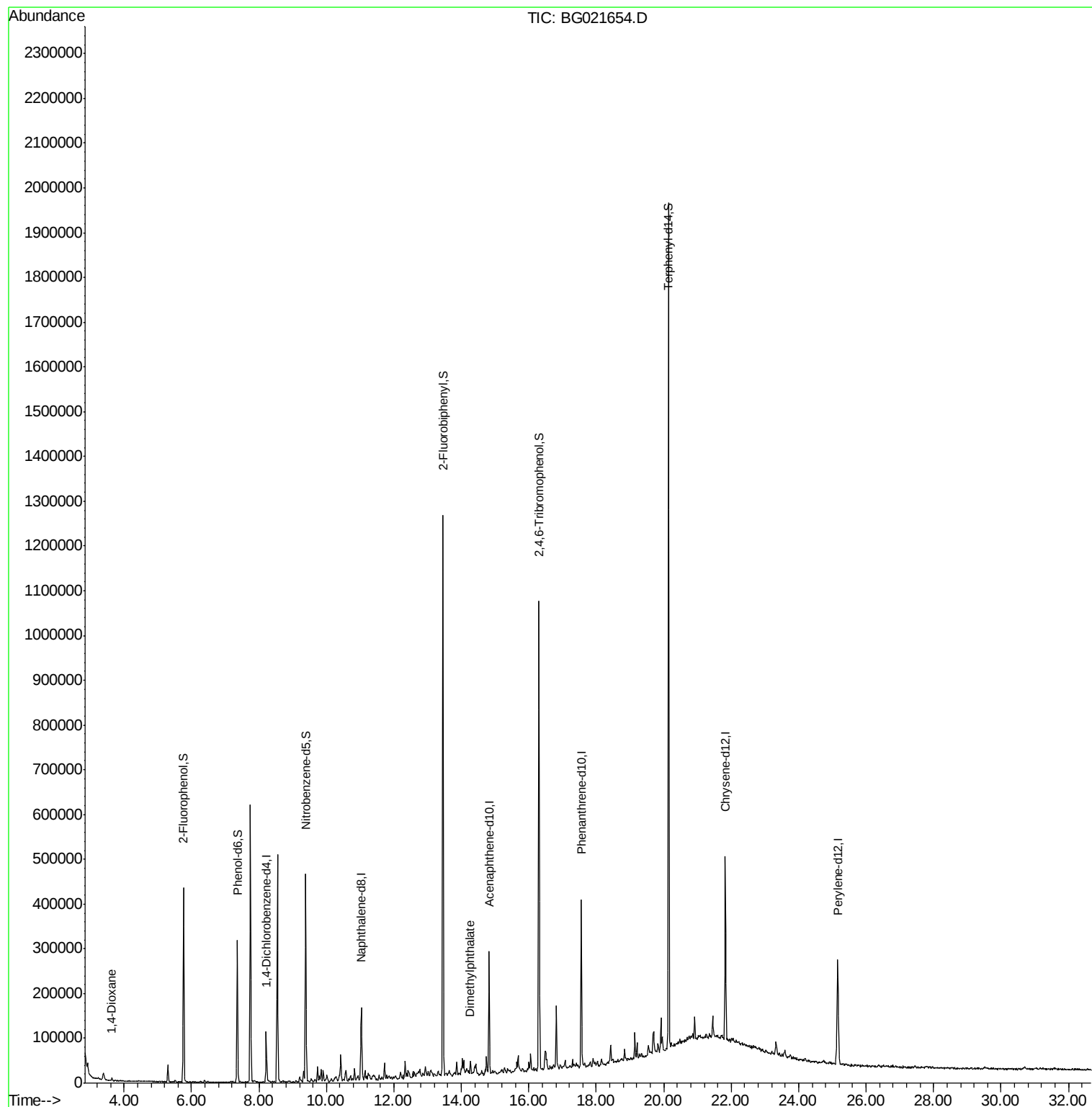
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)       |
|-----------------------------|-------|------|----------|--------|-------|----------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.22  | 152  | 31704    | 20.00  | ng    | 0.00           |
| 21) Naphthalene-d8          | 11.03 | 136  | 146227   | 20.00  | ng    | 0.00           |
| 38) Acenaphthene-d10        | 14.82 | 164  | 94539    | 20.00  | ng    | 0.00           |
| 63) Phenanthrene-d10        | 17.56 | 188  | 219655   | 20.00  | ng    | 0.00           |
| 75) Chrysene-d12            | 21.83 | 240  | 256872   | 20.00  | ng    | 0.00           |
| 86) Perylene-d12            | 25.16 | 264  | 249078   | 20.00  | ng    | 0.00           |
| System Monitoring Compounds |       |      |          |        |       |                |
| 5) 2-Fluorophenol           | 5.76  | 112  | 184089   | 96.69  | ng    | 0.00           |
| 7) Phenol-d6                | 7.36  | 99   | 190847   | 67.11  | ng    | 0.00           |
| 23) Nitrobenzene-d5         | 9.38  | 82   | 286982   | 100.88 | ng    | 0.00           |
| 41) 2,4,6-Tribromophenol    | 16.30 | 330  | 171531   | 168.35 | ng    | 0.00           |
| 44) 2-Fluorobiphenyl        | 13.46 | 172  | 648863   | 100.56 | ng    | 0.00           |
| 78) Terphenyl-d14           | 20.15 | 244  | 832854   | 80.90  | ng    | 0.00           |
| Target Compounds            |       |      |          |        |       |                |
| 2) 1,4-Dioxane              | 3.64  | 88   | 3220     | 3.80   | ng    | Qvalue<br># 78 |
| 49) Dimethylphthalate       | 14.27 | 163  | 16859    | 2.06   | ng    | 98             |

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

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG041316.M  
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QLast Update : Wed Apr 13 15:48:13 2016  
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.22 min Scan# 916

Delta R.T. -0.00 min

Lab File: BG021654.D

Acq: 14 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

GMW-9

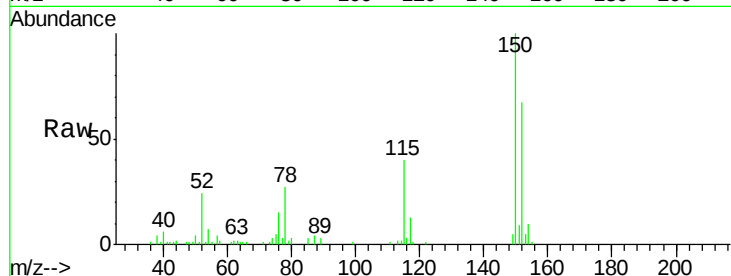
Tgt Ion:152 Resp: 31704

Ion Ratio Lower Upper

152 100

150 149.1 130.1 195.1

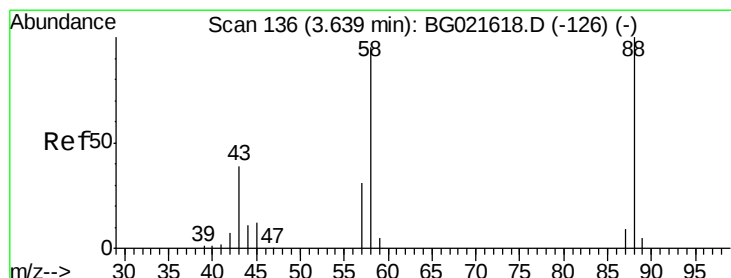
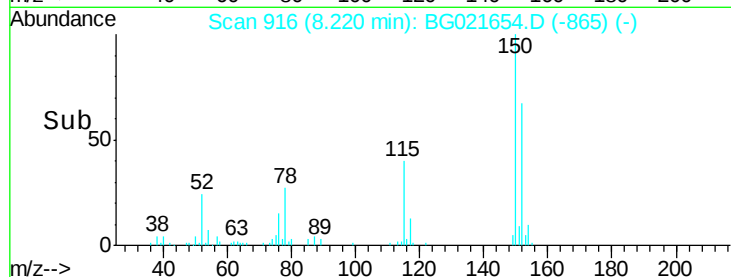
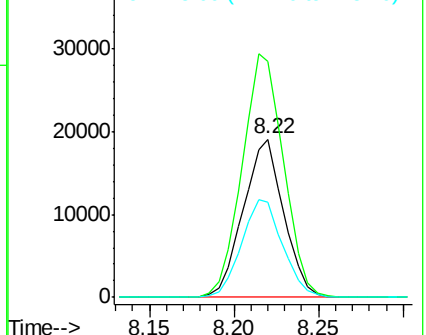
115 59.9 62.2 93.2#



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



#2

1,4-Dioxane

Concen: 3.80 ng

RT: 3.64 min Scan# 136

Delta R.T. -0.00 min

Lab File: BG021654.D

Acq: 14 Apr 2016 15:57

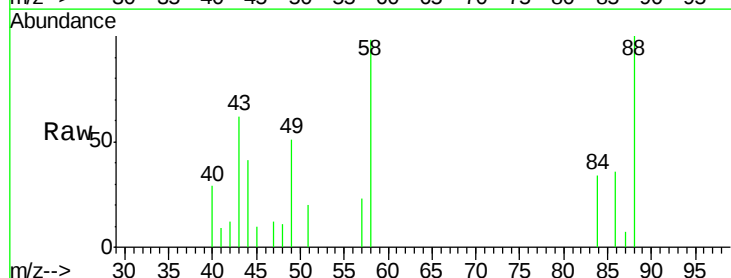
Tgt Ion: 88 Resp: 3220

Ion Ratio Lower Upper

88 100

58 96.4 61.8 92.8#

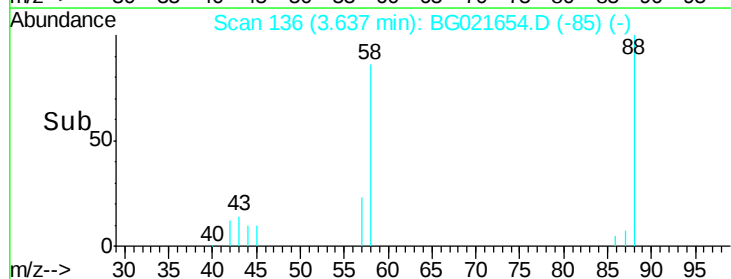
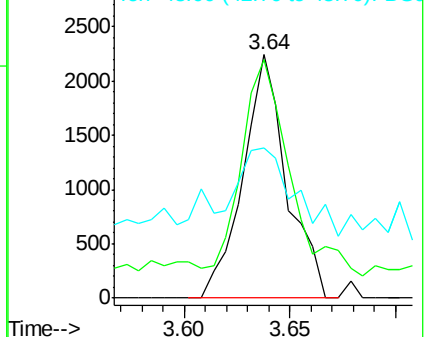
43 46.5 27.3 40.9#

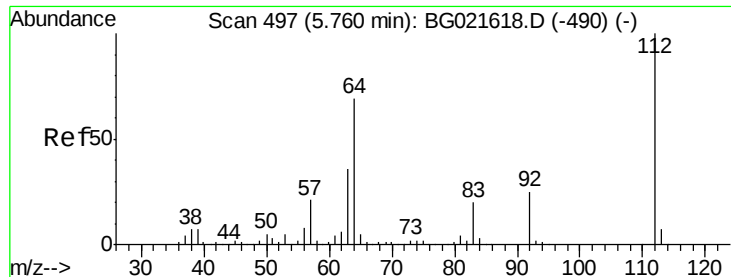


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 96.69 ng

RT: 5.76 min Scan# 498

Delta R.T. 0.01 min

Lab File: BG021654.D

Acq: 14 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

GMW-9

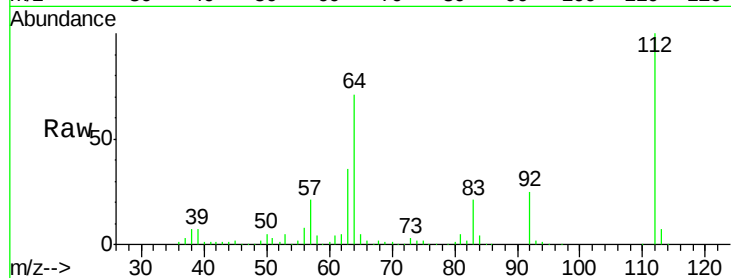
Tgt Ion: 112 Resp: 184089

Ion Ratio Lower Upper

112 100

64 70.9 51.1 76.7

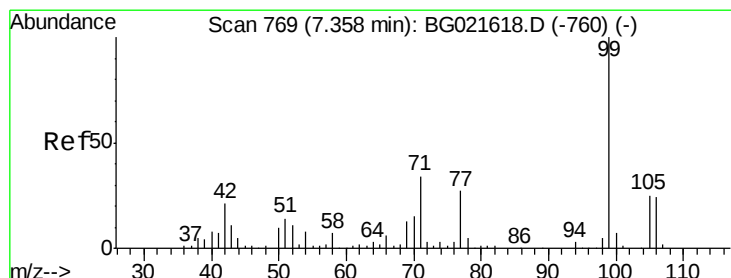
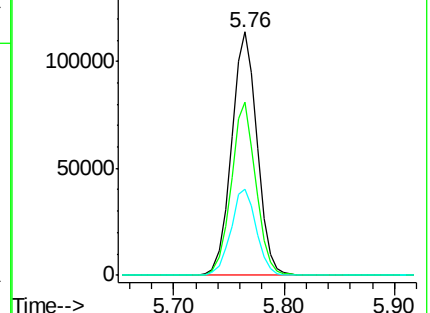
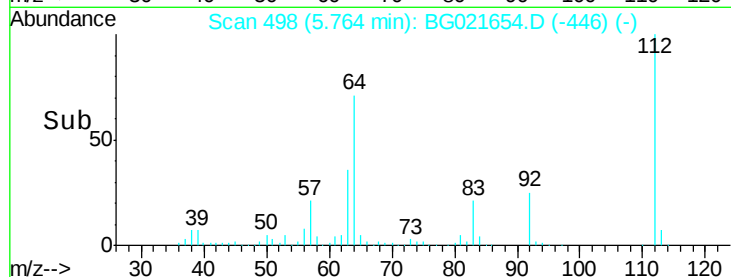
63 35.6 24.6 37.0



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 67.11 ng

RT: 7.36 min Scan# 769

Delta R.T. -0.00 min

Lab File: BG021654.D

Acq: 14 Apr 2016 15:57

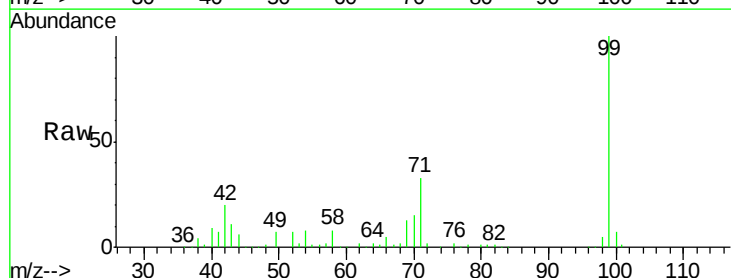
Tgt Ion: 99 Resp: 190847

Ion Ratio Lower Upper

99 100

42 20.1 16.4 24.6

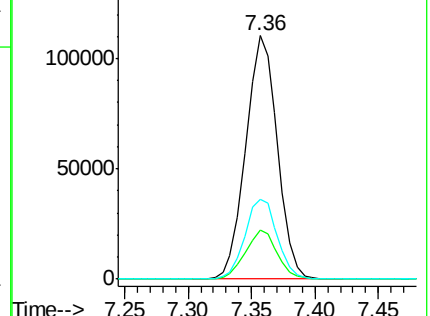
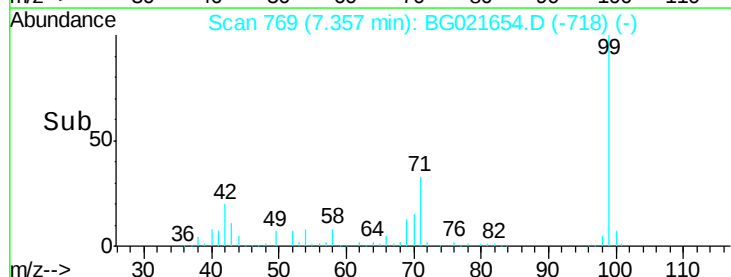
71 32.7 25.0 37.4

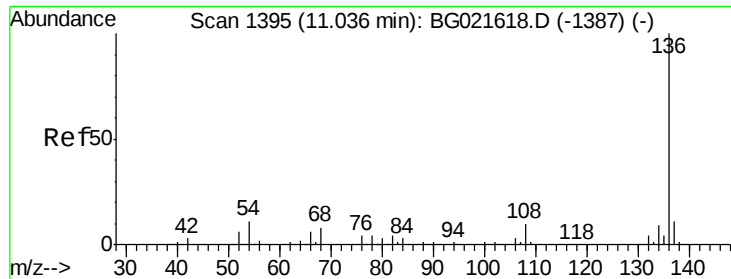


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

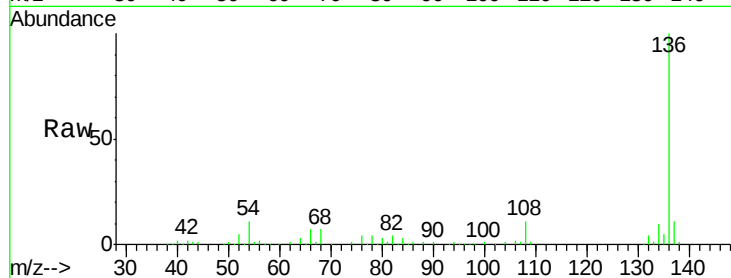




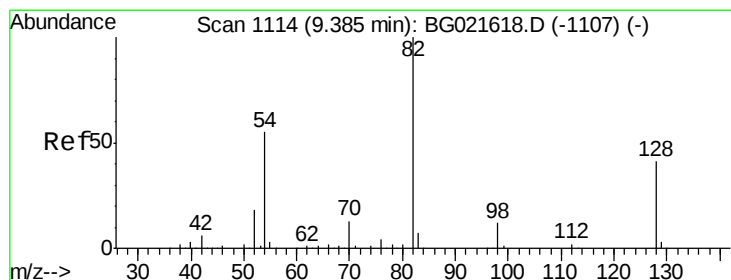
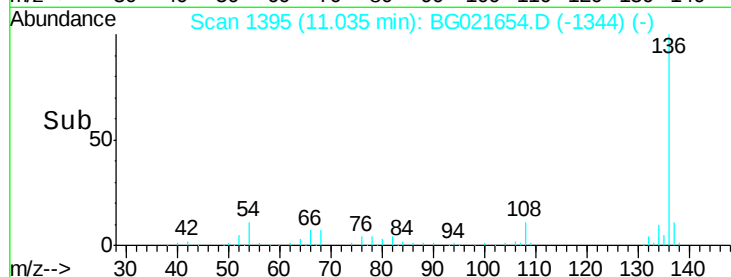
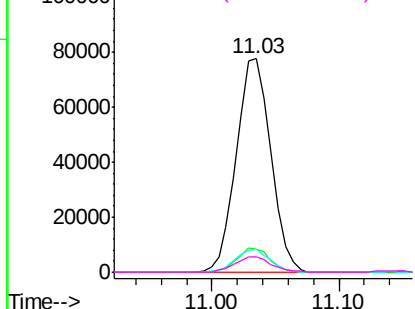
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.03 min Scan# 1395  
Delta R.T. -0.00 min  
Lab File: BG021654.D  
Acq: 14 Apr 2016 15:57

Instrument :  
BNA\_G  
ClientSampleId :  
GMW-9

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 146227 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 10.6  | 9.0   | 13.4   |
| 54       | 10.6  | 9.6   | 14.4   |
| 68       | 7.0   | 6.4   | 9.6    |

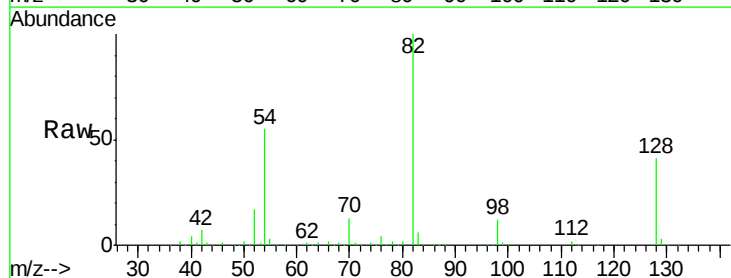


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

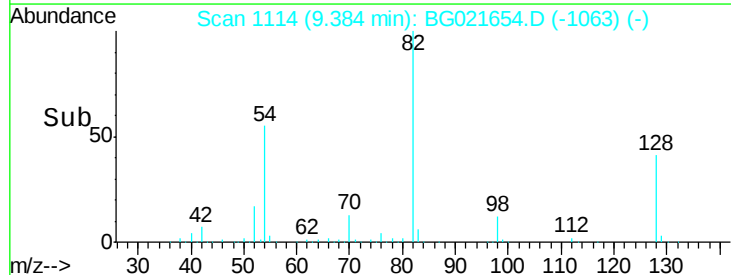
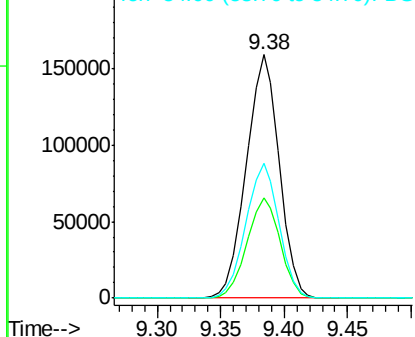


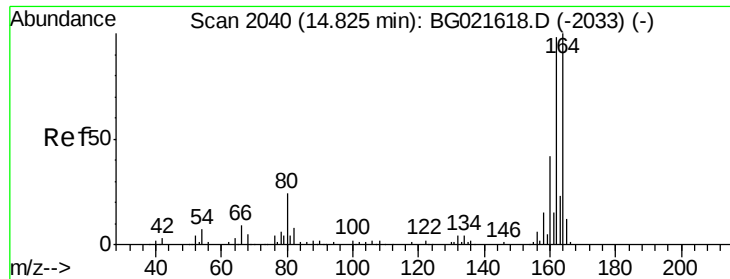
#23  
Nitrobenzene-d5  
Concen: 100.88 ng  
RT: 9.38 min Scan# 1114  
Delta R.T. -0.00 min  
Lab File: BG021654.D  
Acq: 14 Apr 2016 15:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 286982 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 40.9  | 33.4  | 50.0   |
| 54       | 55.3  | 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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.82 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BG021654.D

Acq: 14 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

GMW-9

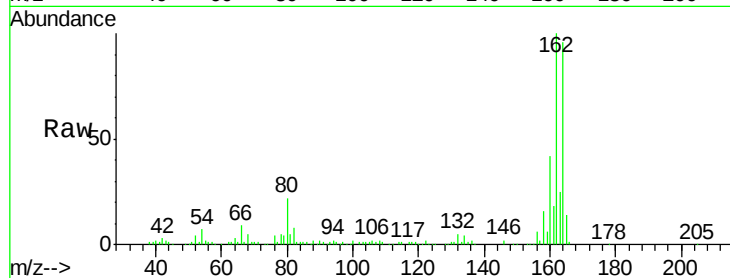
Tgt Ion:164 Resp: 94539

Ion Ratio Lower Upper

164 100

162 104.6 78.0 117.0

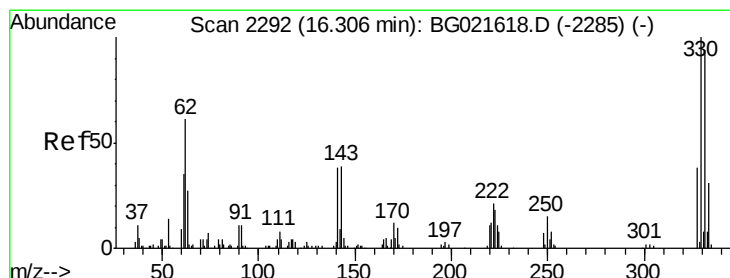
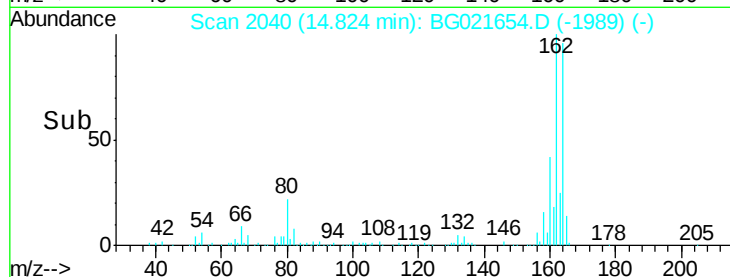
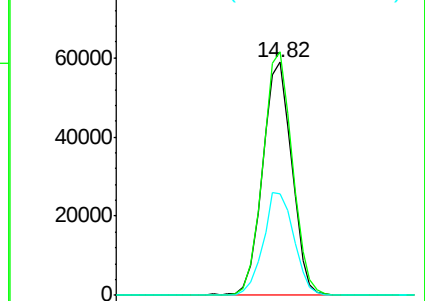
160 43.8 32.9 49.3



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: 168.35 ng

RT: 16.30 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BG021654.D

Acq: 14 Apr 2016 15:57

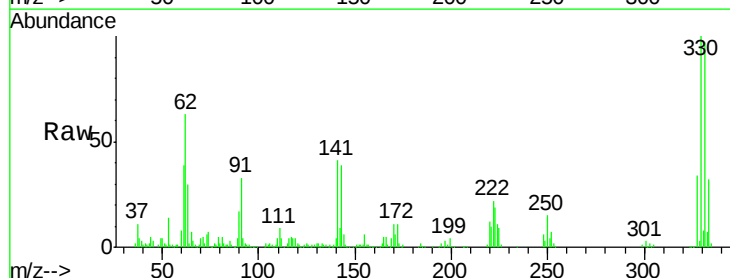
Tgt Ion:330 Resp: 171531

Ion Ratio Lower Upper

330 100

332 95.2 78.0 117.0

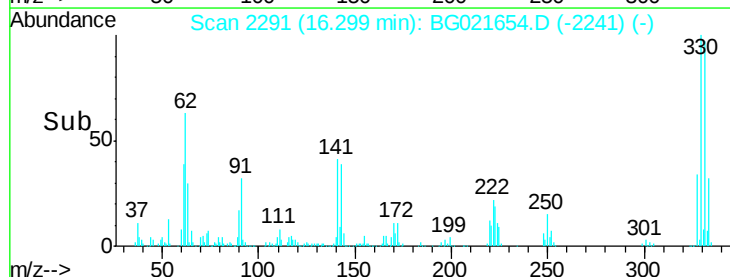
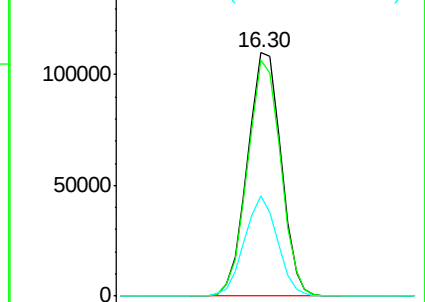
141 40.3 33.8 50.8

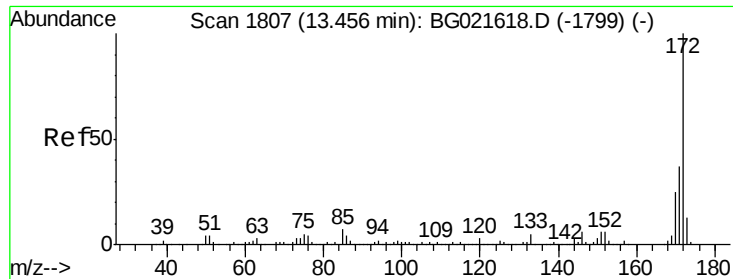


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

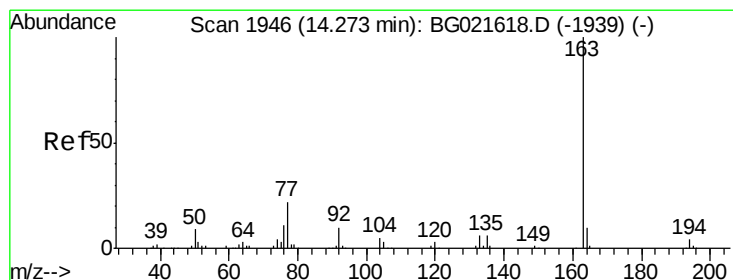
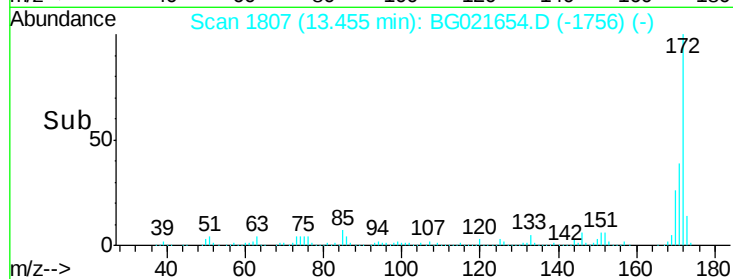
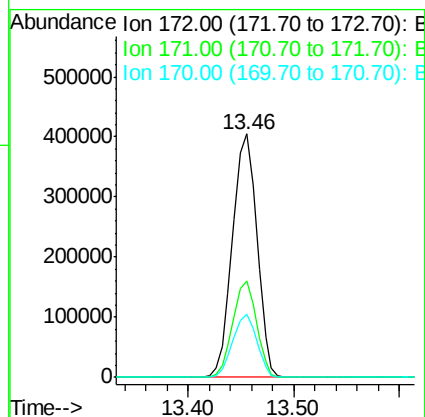
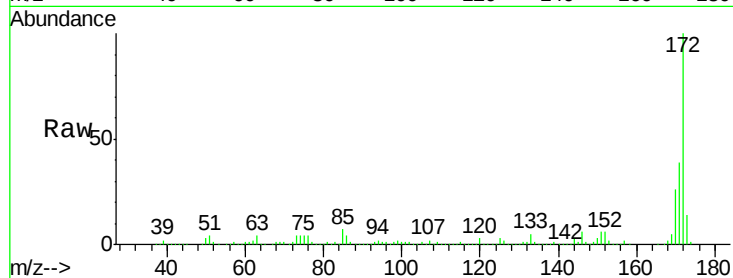




#44  
 2-Fluorobiphenyl  
 Concen: 100.56 ng  
 RT: 13.46 min Scan# 1807  
 Delta R.T. -0.00 min  
 Lab File: BG021654.D  
 Acq: 14 Apr 2016 15:57

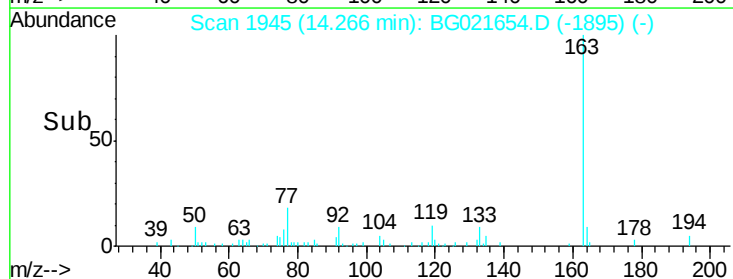
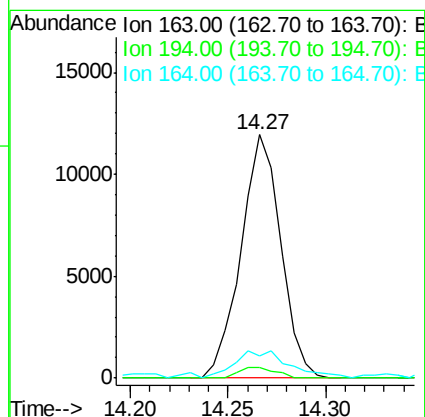
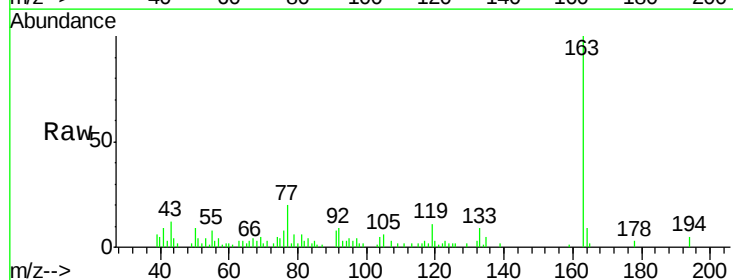
Instrument :  
 BNA\_G  
 ClientSampled :  
 GMW-9

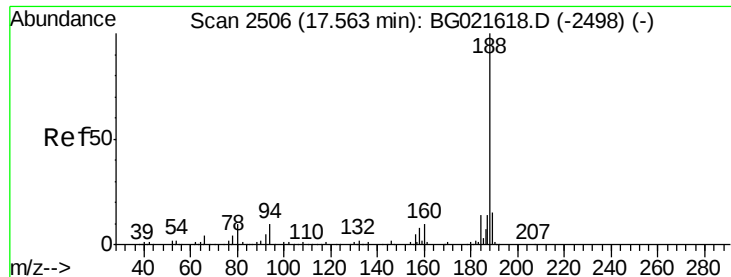
Tgt Ion:172 Resp: 648863  
 Ion Ratio Lower Upper  
 172 100  
 171 39.4 27.8 41.6  
 170 26.0 19.6 29.4



#49  
 Dimethylphthalate  
 Concen: 2.06 ng  
 RT: 14.27 min Scan# 1945  
 Delta R.T. -0.01 min  
 Lab File: BG021654.D  
 Acq: 14 Apr 2016 15:57

Tgt Ion:163 Resp: 16859  
 Ion Ratio Lower Upper  
 163 100  
 194 4.5 3.0 4.6  
 164 9.1 8.1 12.1

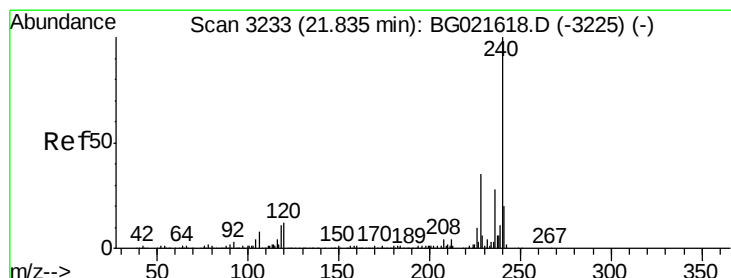
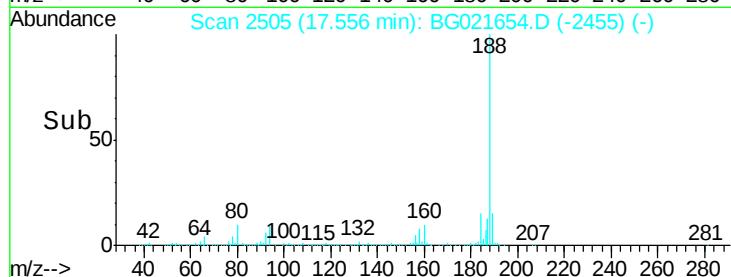
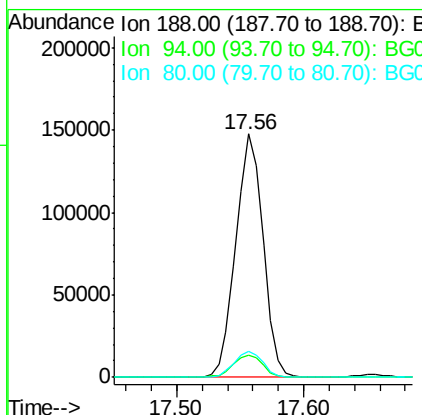
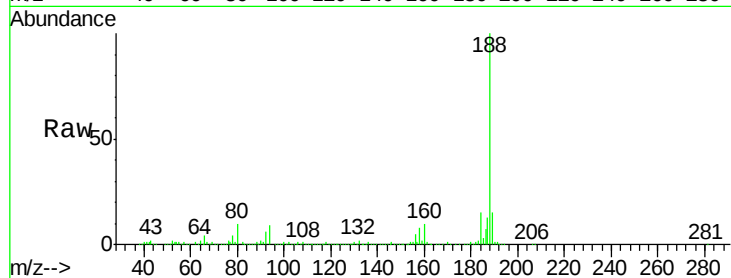




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.56 min Scan# 2505  
Delta R.T. -0.01 min  
Lab File: BG021654.D  
Acq: 14 Apr 2016 15:57

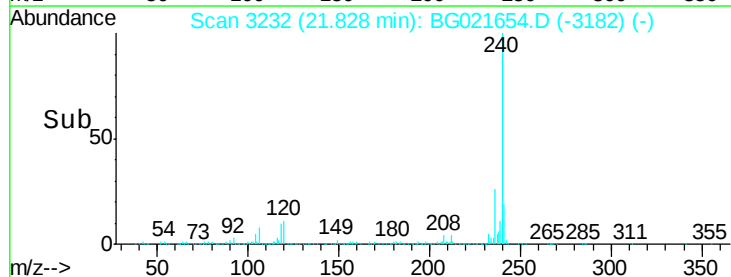
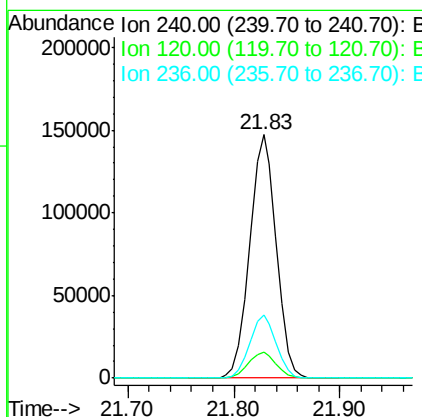
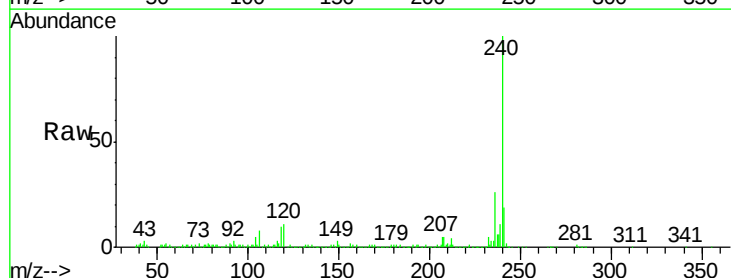
Instrument :  
BNA\_G  
ClientSampleId :  
GMW-9

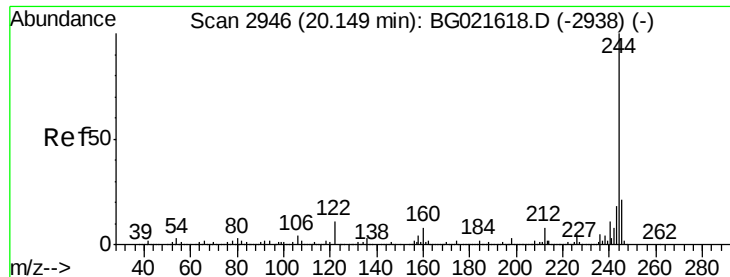
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.3   | 7.5   | 11.3  |
| 80      | 10.4  | 8.6   | 13.0  |



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.83 min Scan# 3232  
Delta R.T. -0.01 min  
Lab File: BG021654.D  
Acq: 14 Apr 2016 15:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 240     | 100   |       |       |
| 120     | 10.8  | 8.4   | 12.6  |
| 236     | 25.8  | 19.6  | 29.4  |





#78

Terphenyl-d14

Concen: 80.90 ng

RT: 20.15 min Scan# 2946

Delta R.T. -0.00 min

Lab File: BG021654.D

Acq: 14 Apr 2016 15:57

Instrument :

BNA\_G

ClientSampleId :

GMW-9

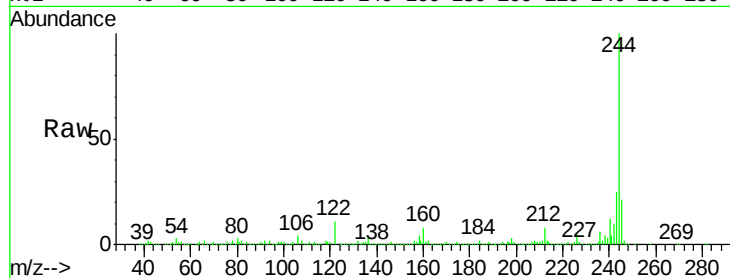
Tgt Ion:244 Resp: 832854

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

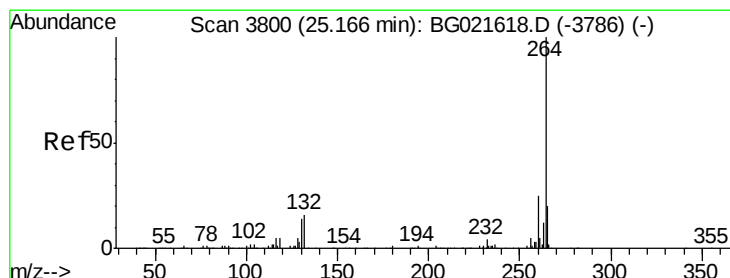
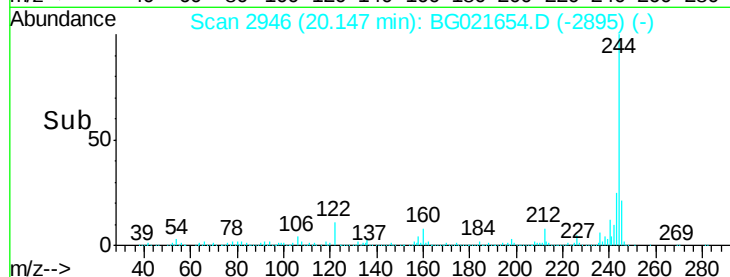
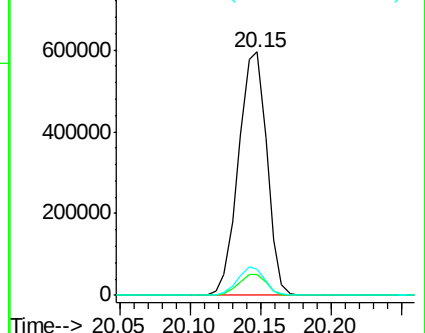
122 10.8 8.6 12.8



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: BG021654.D

Acq: 14 Apr 2016 15:57

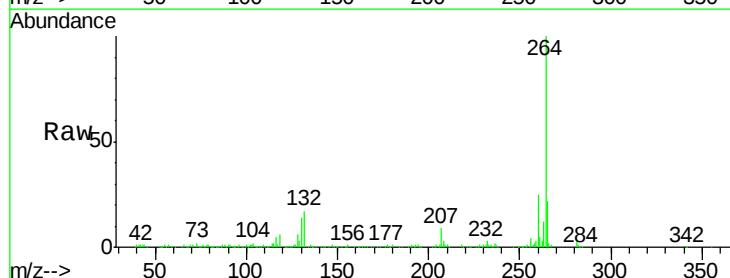
Tgt Ion:264 Resp: 249078

Ion Ratio Lower Upper

264 100

260 24.7 20.2 30.4

265 21.8 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

