

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071216\  
 Data File : BG023060.D  
 Acq On : 13 Jul 2016 7:28  
 Operator : UM/SJ  
 Sample : H3981-09  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 C4.3-01

Quant Time: Jul 13 08:17:42 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jul 12 18:30:58 2016  
 Response via : Initial Calibration

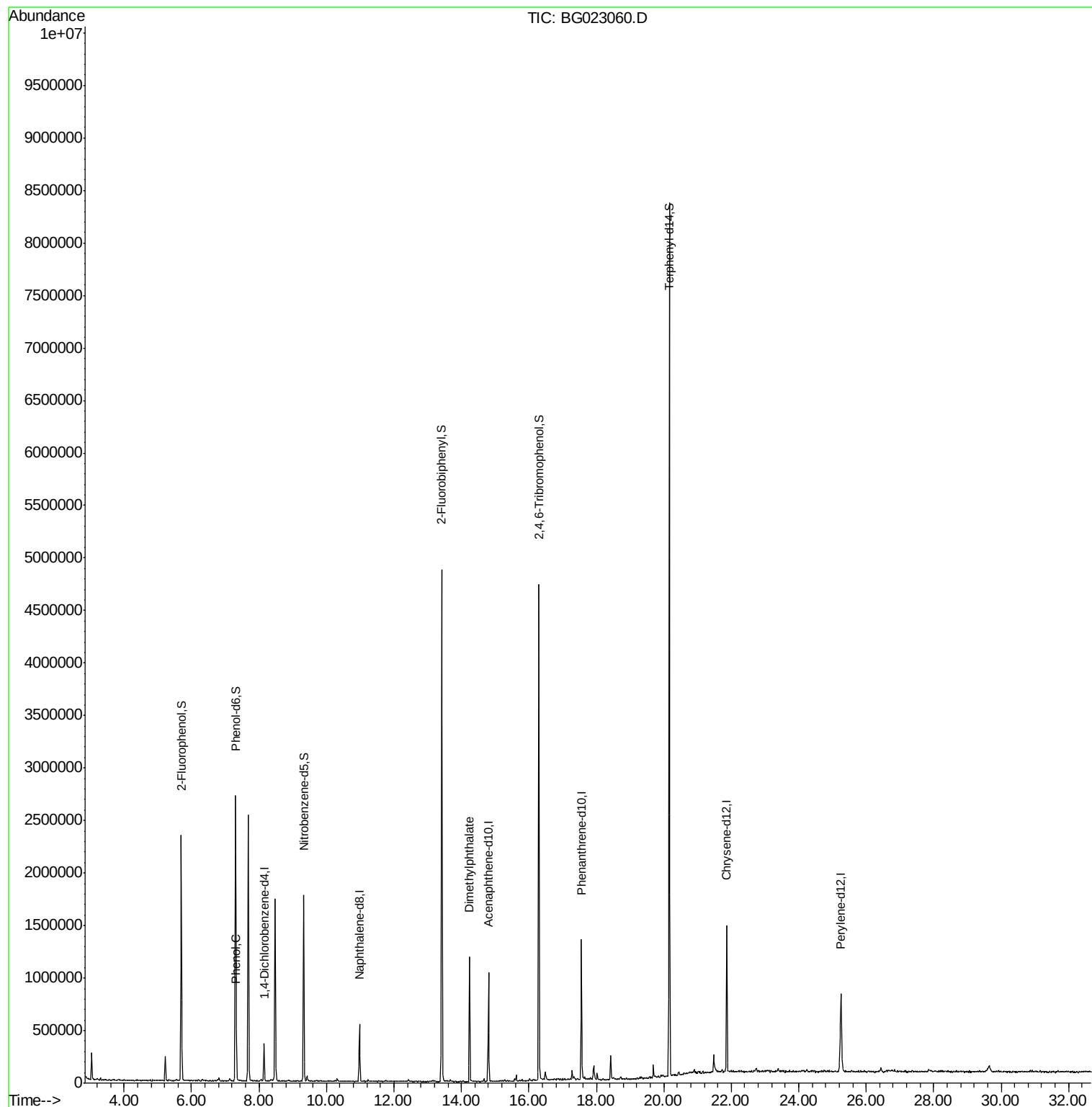
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.15  | 152  | 85172    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.98 | 136  | 434070   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.80 | 164  | 353120   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.56 | 188  | 819484   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.86 | 240  | 873880   | 20.00  | ng    | 0.02      |
| 86) Perylene-d12            | 25.25 | 264  | 881255   | 20.00  | ng    | 0.07      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.70  | 112  | 931892   | 178.95 | ng    | 0.00      |
| 7) Phenol-d6                | 7.31  | 99   | 1523193  | 186.75 | ng    | 0.00      |
| 23) Nitrobenzene-d5         | 9.33  | 82   | 1127898  | 111.26 | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 16.29 | 330  | 843208   | 132.86 | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 13.42 | 172  | 2342214  | 104.48 | ng    | 0.00      |
| 78) Terphenyl-d14           | 20.16 | 244  | 3055512  | 153.03 | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 10) Phenol                  | 7.33  | 94   | 27411    | 3.27   | ng    | Qvalue 89 |
| 49) Dimethylphthalate       | 14.24 | 163  | 731304   | 25.35  | ng    | 100       |

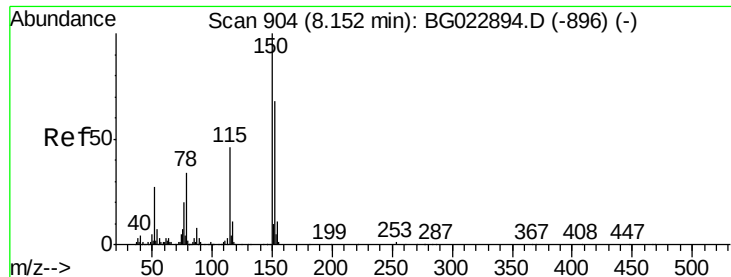
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG071216\  
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C4.3-01

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Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG070816.M  
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QLast Update : Tue Jul 12 18:30:58 2016  
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.15 min Scan# 904

Delta R.T. -0.00 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

Instrument :

BNA\_G

ClientSampleId :

C4.3-01

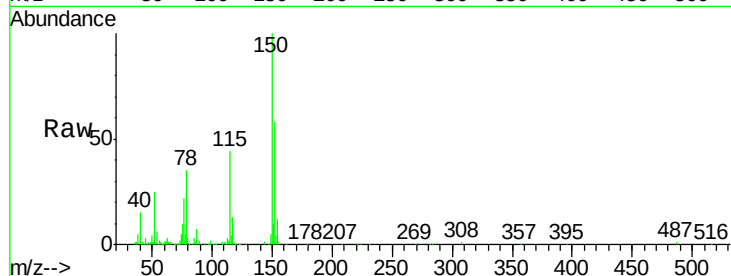
Tgt Ion:152 Resp: 85172

Ion Ratio Lower Upper

152 100

150 172.6 144.7 217.1

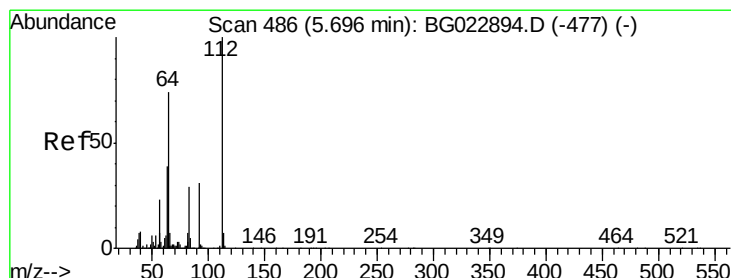
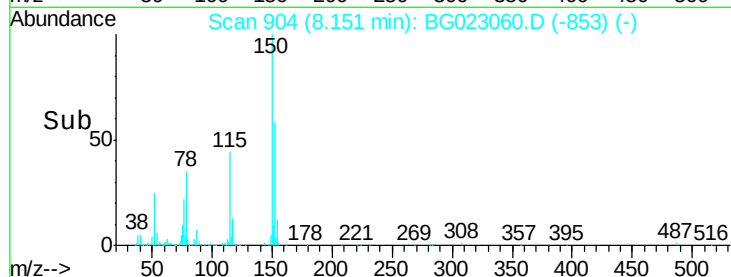
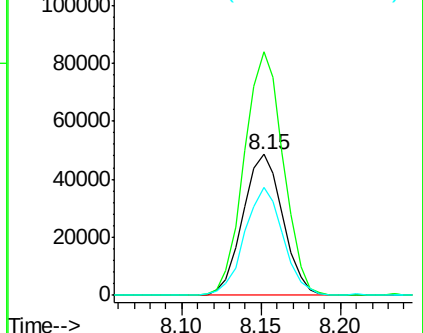
115 76.1 64.0 96.0



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: 178.95 ng

RT: 5.70 min Scan# 486

Delta R.T. 0.00 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

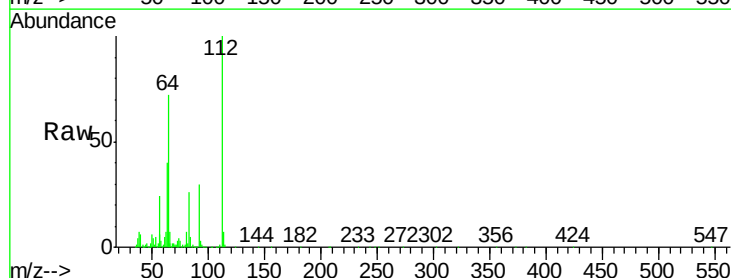
Tgt Ion:112 Resp: 931892

Ion Ratio Lower Upper

112 100

64 72.0 59.0 88.4

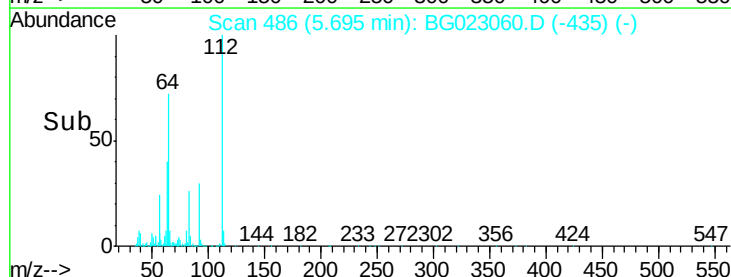
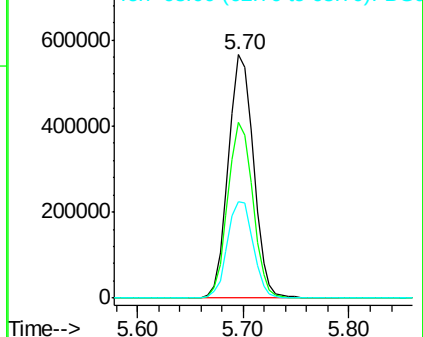
63 39.7 37.8 56.8

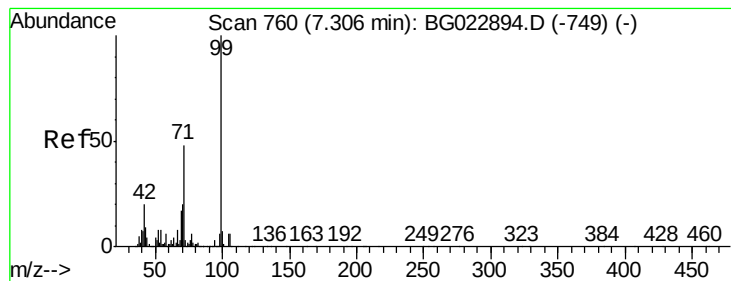


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 186.75 ng

RT: 7.31 min Scan# 761

Delta R.T. 0.01 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

Instrument :

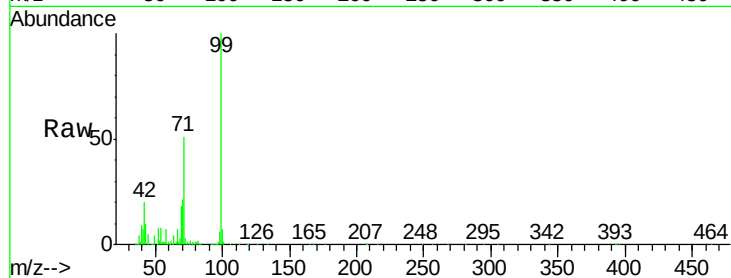
BNA\_G

ClientSampled :

C4.3-01

Tgt Ion: 99 Resp: 1523193

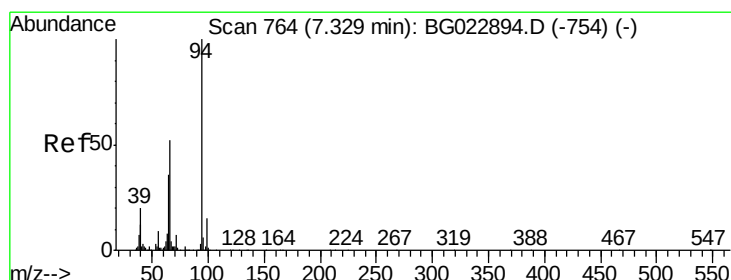
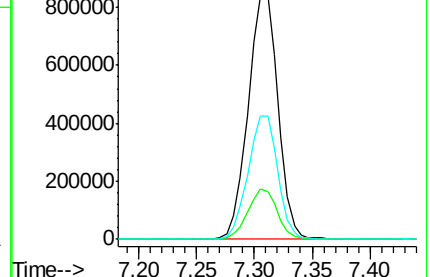
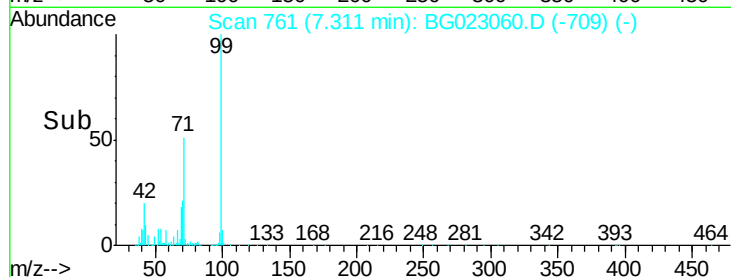
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 99  | 100   |       |       |
| 42  | 19.8  | 17.8  | 26.6  |
| 71  | 50.6  | 41.5  | 62.3  |



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



#10

Phenol

Concen: 3.27 ng

RT: 7.33 min Scan# 765

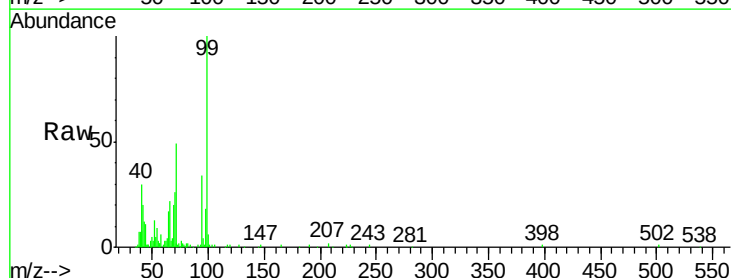
Delta R.T. 0.01 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

Tgt Ion: 94 Resp: 27411

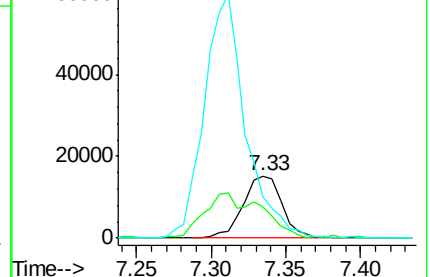
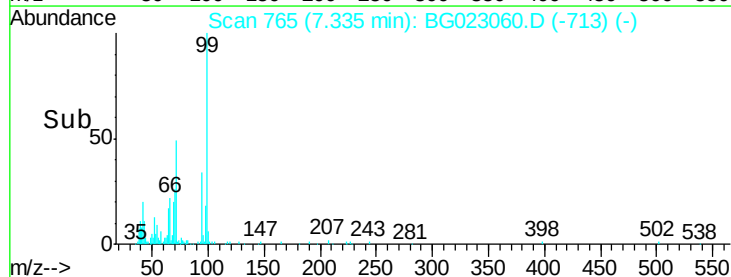
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 94  | 100   |       |       |
| 65  | 50.8  | 18.1  | 58.1  |
| 66  | 66.1  | 42.1  | 82.1  |

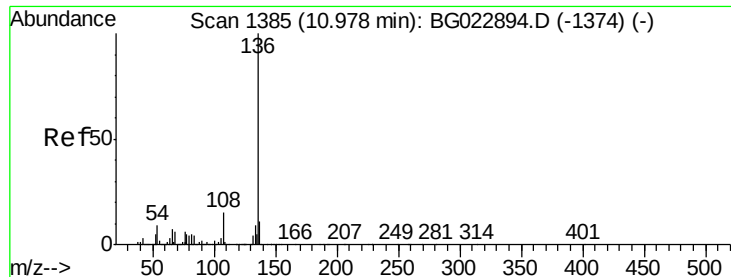


Abundance Ion 94.00 (93.70 to 94.70): BGC

Ion 65.00 (64.70 to 65.70): BGC

Ion 66.00 (65.70 to 66.70): BGC

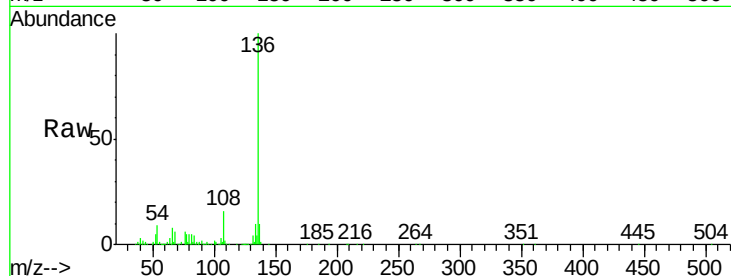




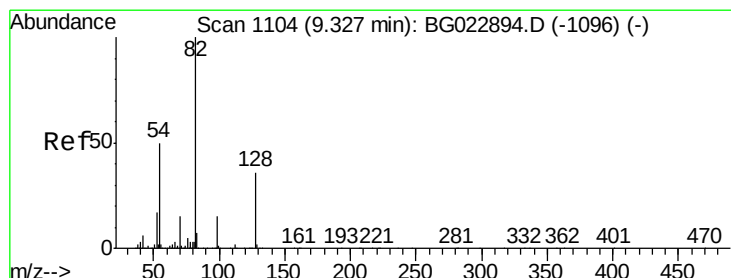
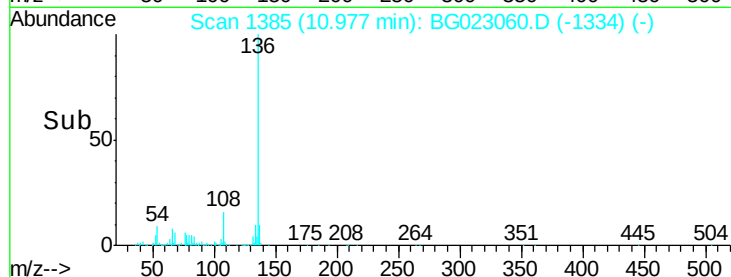
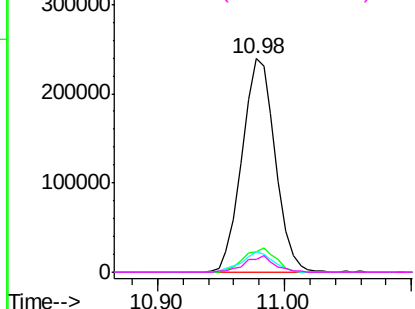
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.98 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: BG023060.D  
Acq: 13 Jul 2016 7:28

Instrument :  
BNA\_G  
ClientSampleId :  
C4.3-01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 434070 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 9.8   | 9.6   | 14.4   |
| 54       | 9.4   | 7.3   | 10.9   |
| 68       | 6.3   | 5.3   | 7.9    |

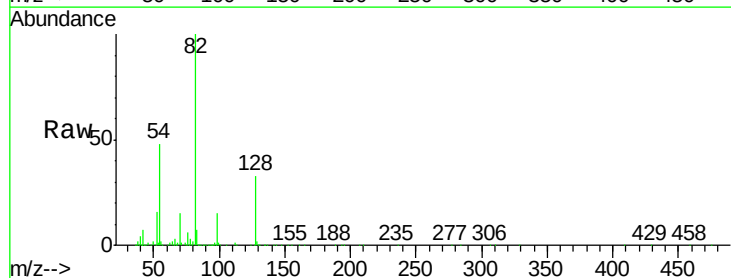


Abundance Ion 136.00 (135.70 to 136.70): B  
Ion 137.00 (136.70 to 137.70): B  
Ion 54.00 (53.70 to 54.70): B  
Ion 68.00 (67.70 to 68.70): B

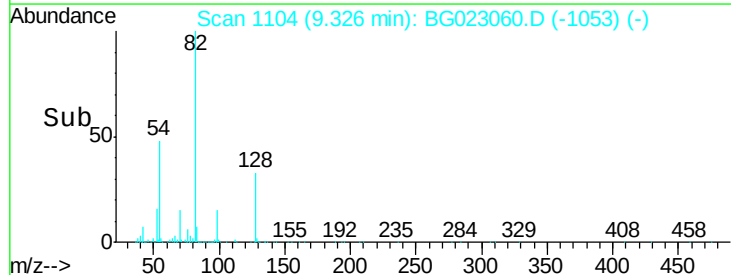
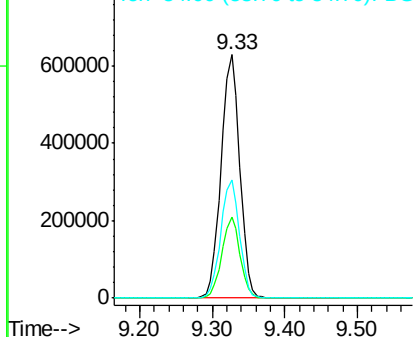


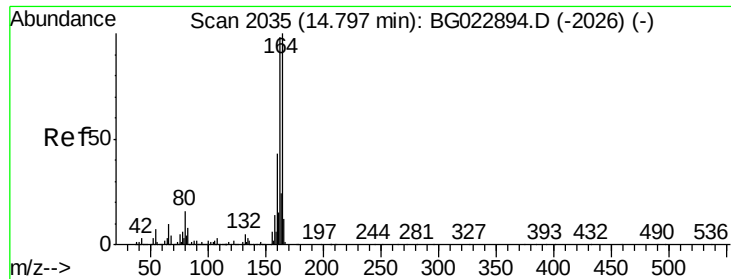
#23  
Nitrobenzene-d5  
Concen: 111.26 ng  
RT: 9.33 min Scan# 1104  
Delta R.T. -0.00 min  
Lab File: BG023060.D  
Acq: 13 Jul 2016 7:28

|          |       |       |         |
|----------|-------|-------|---------|
| Tgt Ion: | 82    | Resp: | 1127898 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 128      | 33.5  | 24.4  | 36.6    |
| 54       | 48.4  | 41.4  | 62.0    |



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.80 min Scan# 2035

Delta R.T. -0.00 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

Instrument :

BNA\_G

ClientSampleId :

C4.3-01

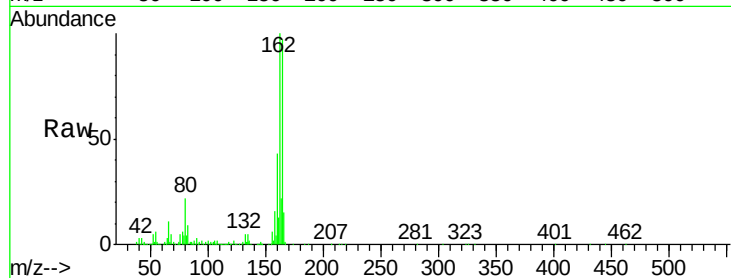
Tgt Ion:164 Resp: 353120

Ion Ratio Lower Upper

164 100

162 103.3 87.7 131.5

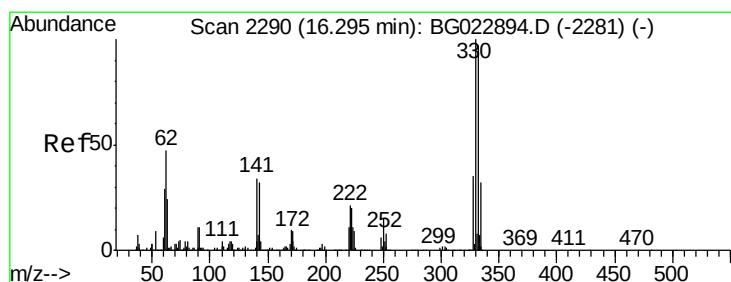
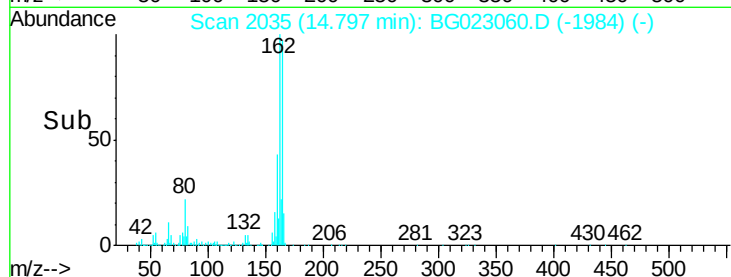
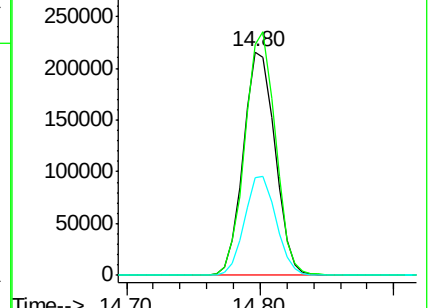
160 43.9 37.2 55.8



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: 132.86 ng

RT: 16.29 min Scan# 2290

Delta R.T. -0.00 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

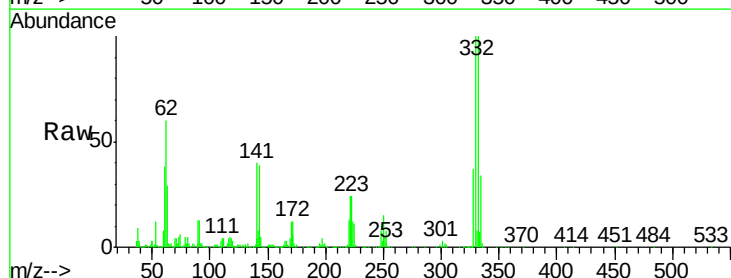
Tgt Ion:330 Resp: 843208

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

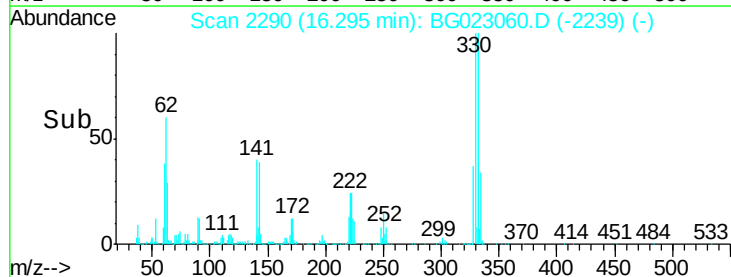
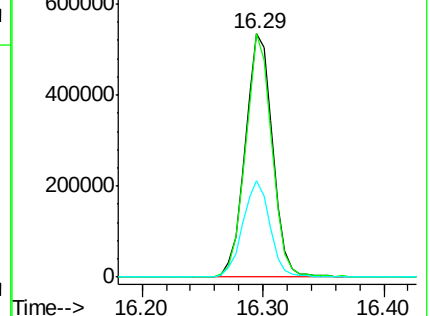
141 39.3 31.7 47.5

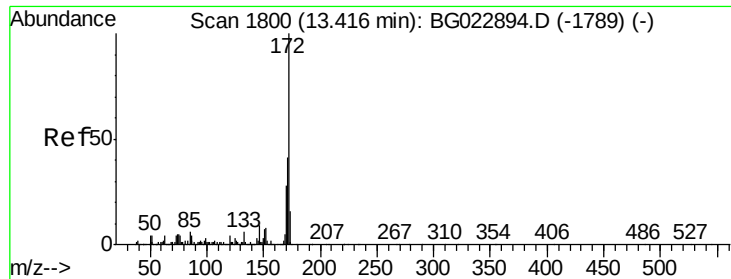


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

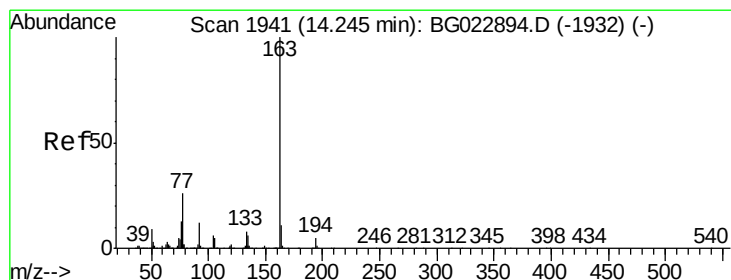
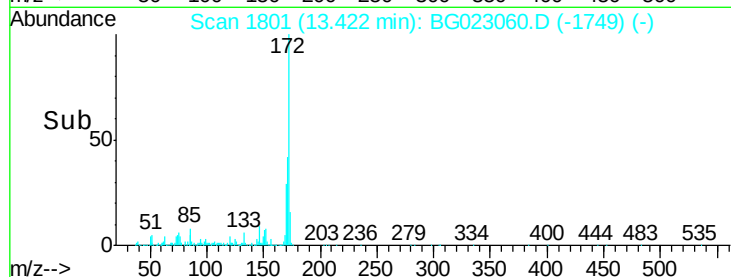
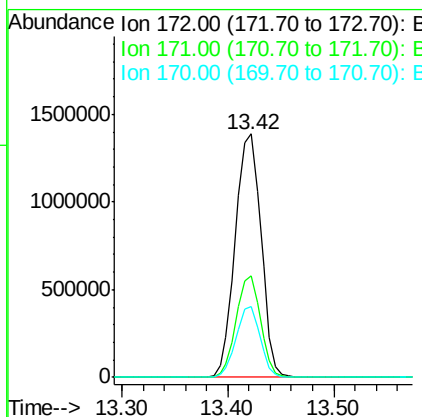
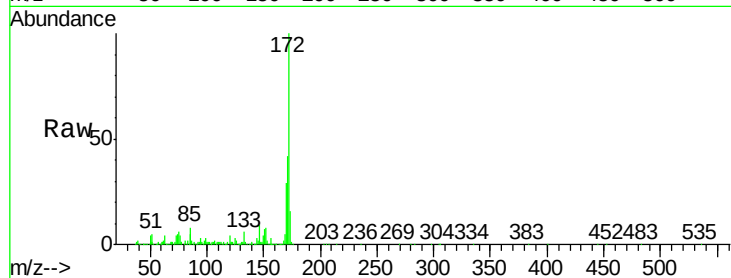




#44  
2-Fluorobiphenyl  
Concen: 104.48 ng  
RT: 13.42 min Scan# 1801  
Delta R.T. 0.01 min  
Lab File: BG023060.D  
Acq: 13 Jul 2016 7:28

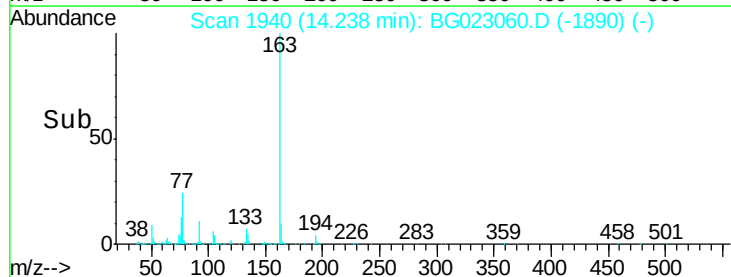
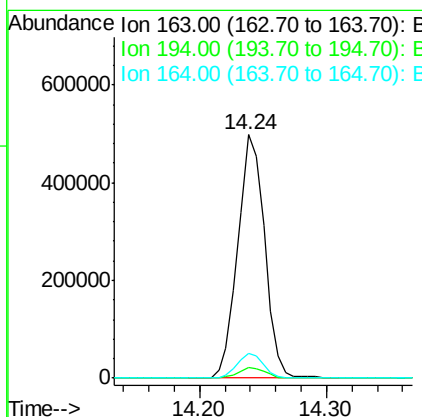
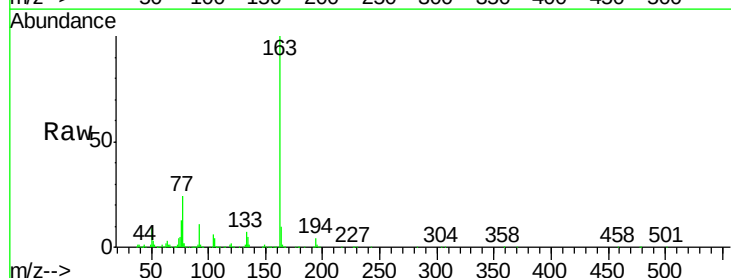
Instrument :  
BNA\_G  
ClientSampleId :  
C4.3-01

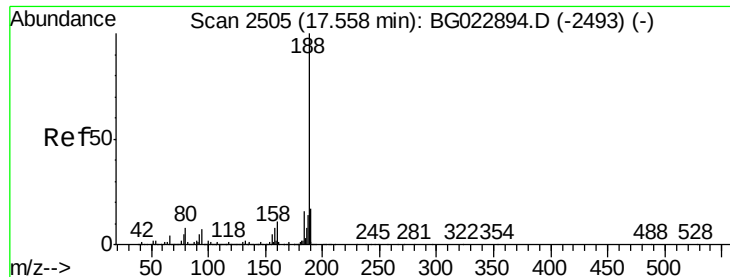
Tgt Ion:172 Resp: 2342214  
Ion Ratio Lower Upper  
172 100  
171 41.9 31.6 47.4  
170 28.9 21.3 31.9



#49  
Dimethylphthalate  
Concen: 25.35 ng  
RT: 14.24 min Scan# 1940  
Delta R.T. -0.01 min  
Lab File: BG023060.D  
Acq: 13 Jul 2016 7:28

Tgt Ion:163 Resp: 731304  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.6 5.4  
164 10.0 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: BG023060.D

Acq: 13 Jul 2016 7:28

Instrument :

BNA\_G

ClientSampleId :

C4.3-01

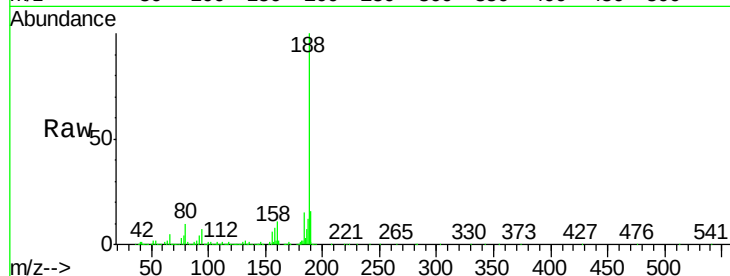
Tgt Ion:188 Resp: 819484

Ion Ratio Lower Upper

188 100

94 7.3 5.2 7.8

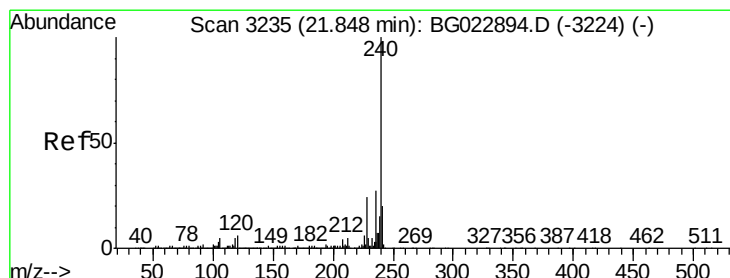
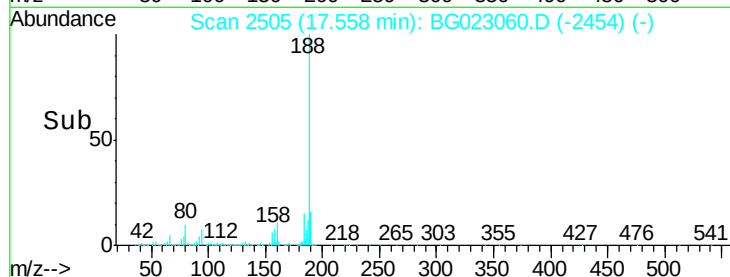
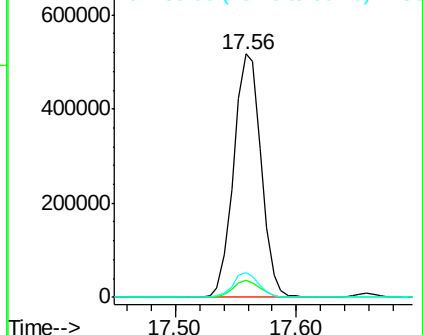
80 10.4 7.2 10.8



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: 21.86 min Scan# 3238

Delta R.T. 0.02 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

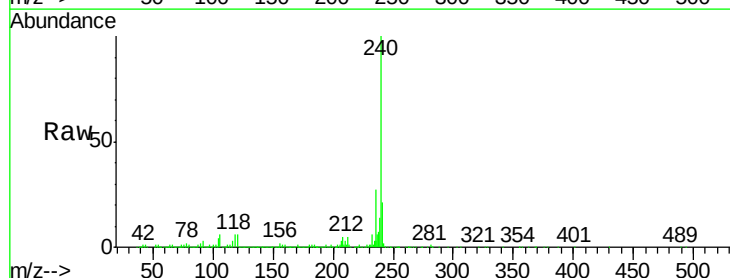
Tgt Ion:240 Resp: 873880

Ion Ratio Lower Upper

240 100

120 6.0 4.1 6.1

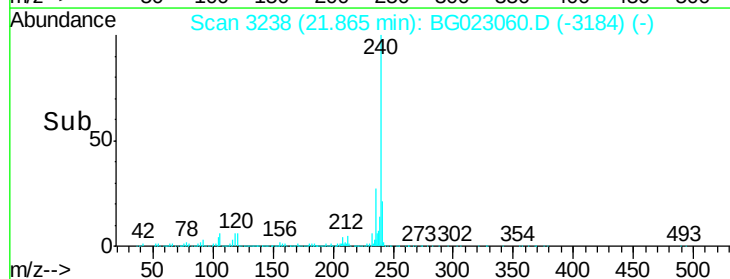
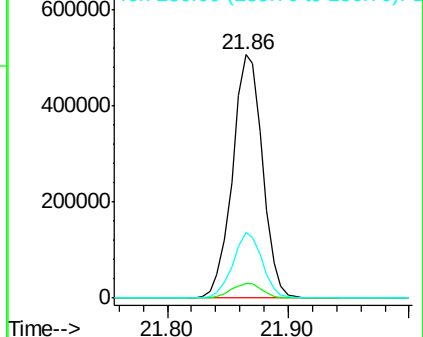
236 26.9 21.1 31.7



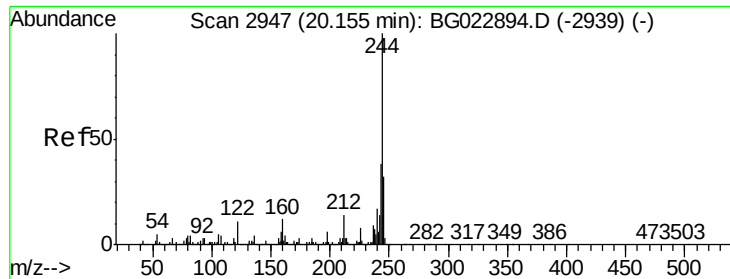
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E







#78

Terphenyl-d14

Concen: 153.03 ng

RT: 20.16 min Scan# 2948

Delta R.T. 0.01 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

Instrument :

BNA\_G

ClientSampleId :

C4.3-01

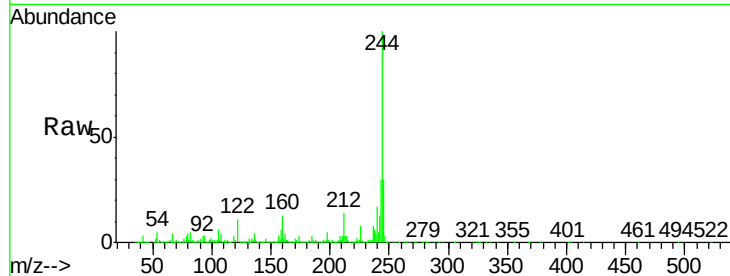
Tgt Ion:244 Resp: 3055512

Ion Ratio Lower Upper

244 100

212 14.2 10.8 16.2

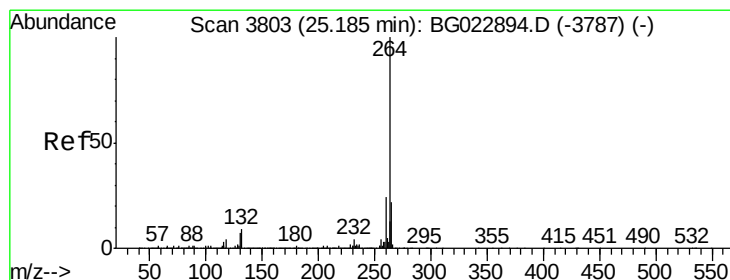
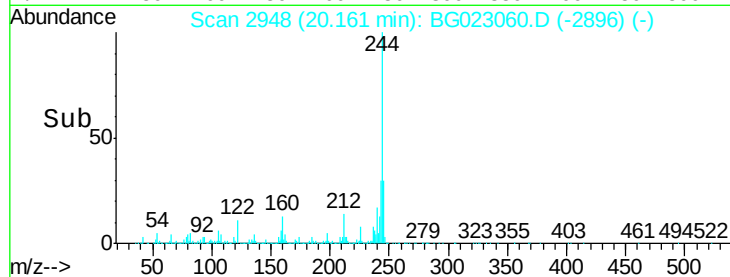
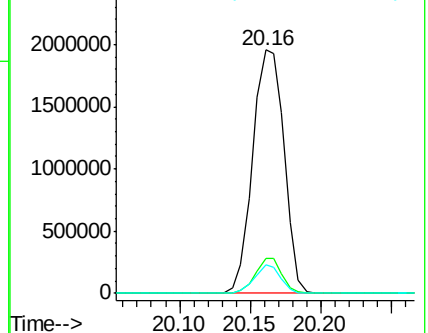
122 11.5 8.0 12.0



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: 25.25 min Scan# 3815

Delta R.T. 0.07 min

Lab File: BG023060.D

Acq: 13 Jul 2016 7:28

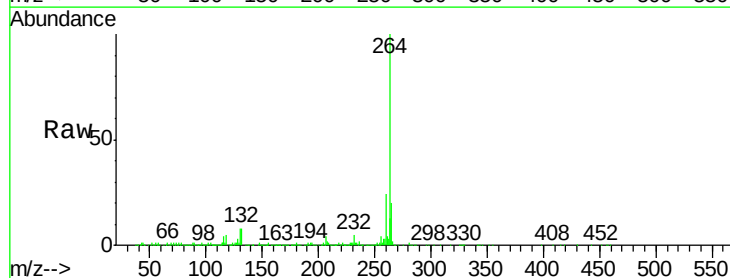
Tgt Ion:264 Resp: 881255

Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 19.9 18.9 28.3



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

