

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022417\  
 Data File : BG025947.D  
 Acq On : 25 Feb 2017 1:00  
 Operator : SJ/MA  
 Sample : I1973-02  
 Misc :  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 E2-Y5-BASE

Quant Time: Feb 25 02:29:13 2017  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Feb 17 15:48:21 2017  
 Response via : Initial Calibration

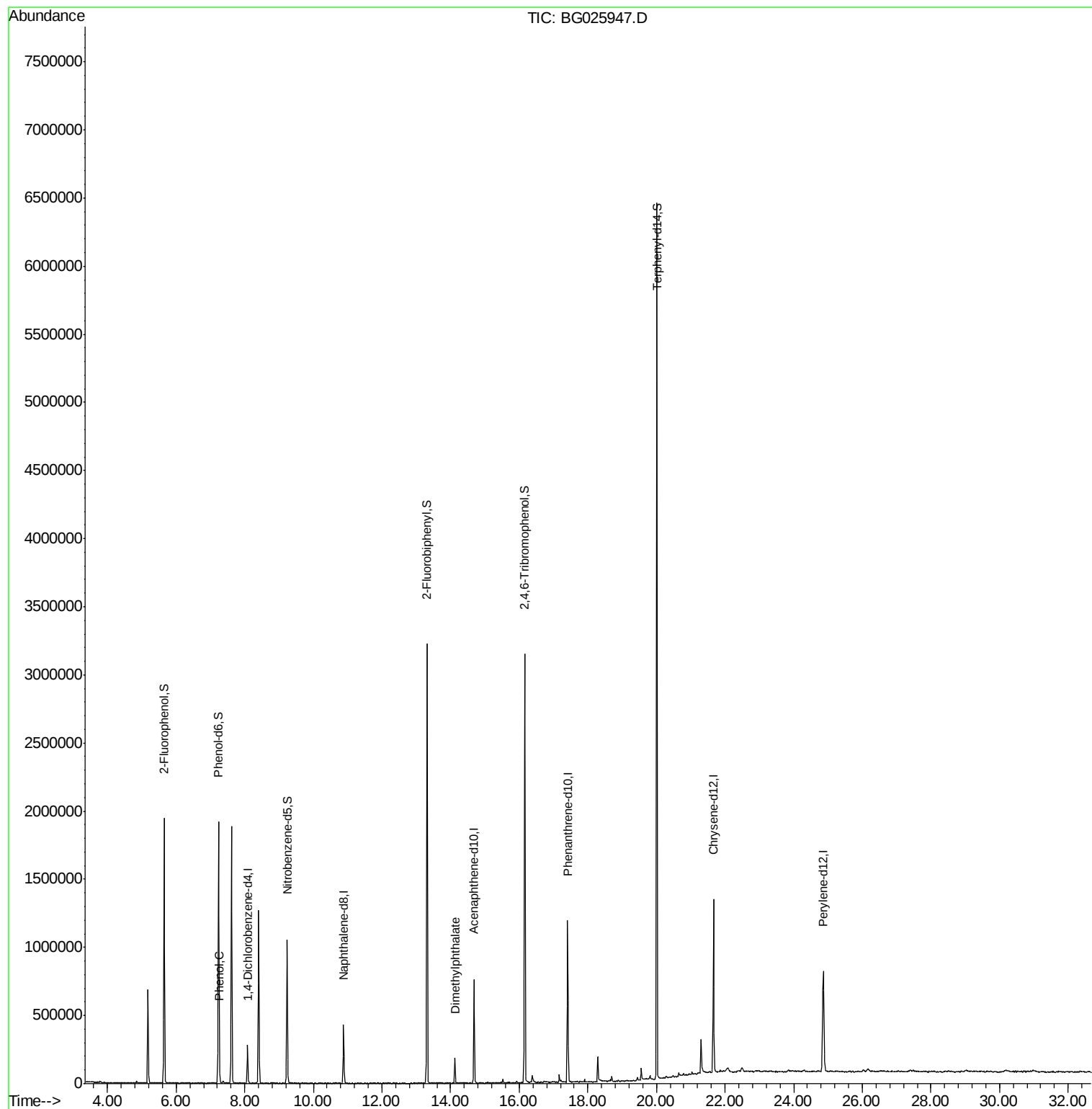
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 8.08  | 152  | 82551    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8          | 10.88 | 136  | 388229   | 20.00  | ng    | 0.00     |
| 38) Acenaphthene-d10        | 14.68 | 164  | 263651   | 20.00  | ng    | -0.01    |
| 63) Phenanthrene-d10        | 17.41 | 188  | 722251   | 20.00  | ng    | 0.00     |
| 75) Chrysene-d12            | 21.66 | 240  | 774486   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 24.86 | 264  | 747912   | 20.00  | ng    | -0.02    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.65  | 112  | 868689   | 183.21 | ng    | 0.00     |
| 7) Phenol-d6                | 7.24  | 99   | 1244768  | 177.40 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 9.23  | 82   | 652136   | 106.01 | ng    | -0.01    |
| 41) 2,4,6-Tribromophenol    | 16.16 | 330  | 577646   | 237.14 | ng    | 0.00     |
| 44) 2-Fluorobiphenyl        | 13.31 | 172  | 1681349  | 111.43 | ng    | -0.01    |
| 78) Terphenyl-d14           | 20.01 | 244  | 2594988  | 81.49  | ng    | -0.01    |
| Target Compounds            |       |      |          |        |       |          |
| 10) Phenol                  | 7.27  | 94   | 47008    | 6.17   | ng    | 79       |
| 49) Dimethylphthalate       | 14.13 | 163  | 122706   | 6.78   | ng    | 96       |

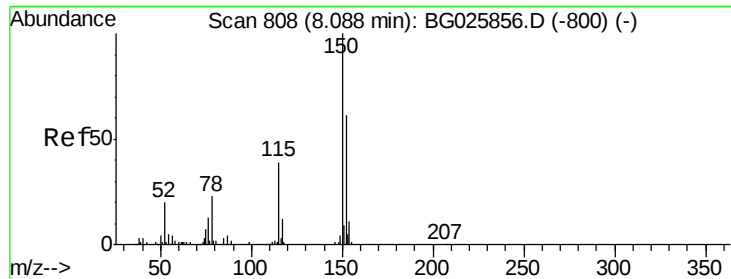
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG022417\  
Data File : BG025947.D  
Acq On : 25 Feb 2017 1:00  
Operator : SJ/MA  
Sample : I1973-02  
Misc :  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
BNA\_G  
ClientSampleId :  
E2-Y5-BASE

Quant Time: Feb 25 02:29:13 2017  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG021717.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Fri Feb 17 15:48:21 2017  
Response via : Initial Calibration



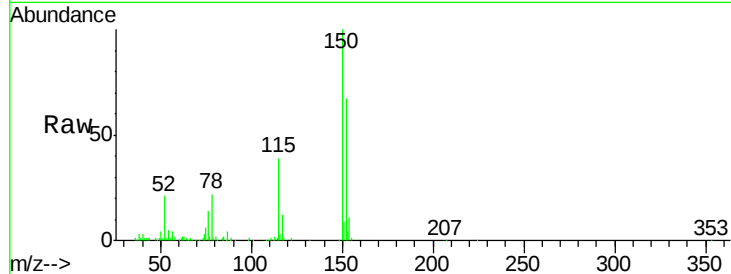


#1

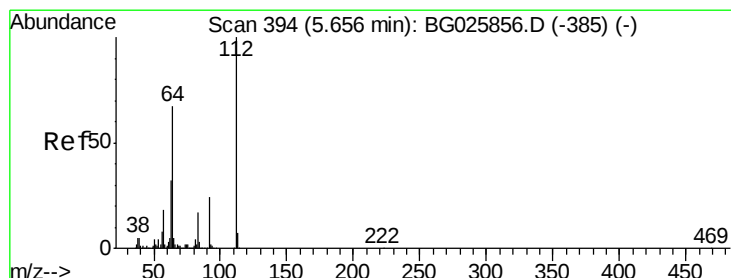
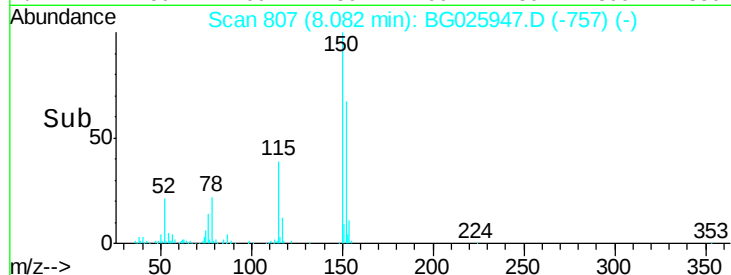
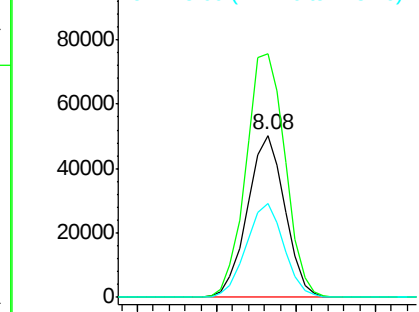
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.08 min Scan# 807  
Delta R.T. -0.01 min  
Lab File: BG025947.D  
Acq: 25 Feb 2017 1:00

Instrument :  
BNA\_G  
ClientSampleId :  
E2-Y5-BASE

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 150.2 | 114.0 | 171.0 |
| 115     | 58.0  | 48.1  | 72.1  |



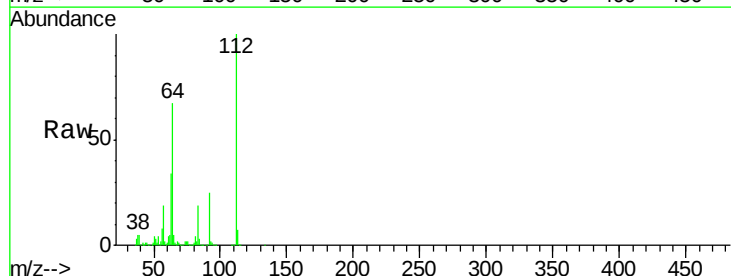
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



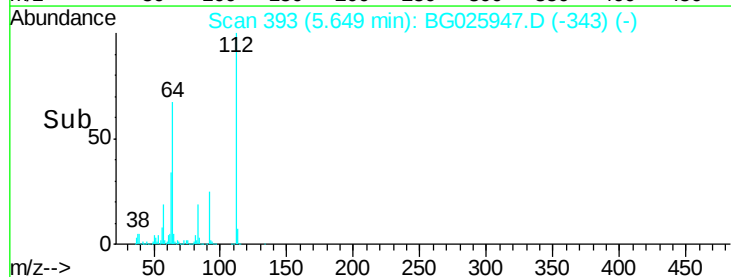
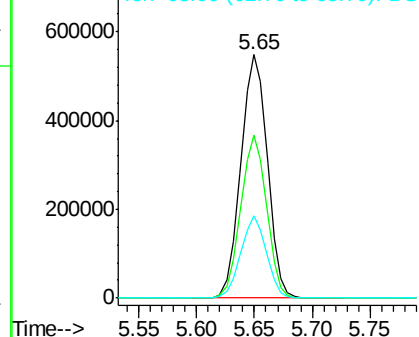
#5

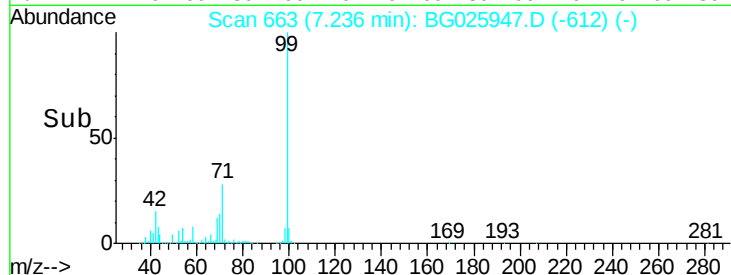
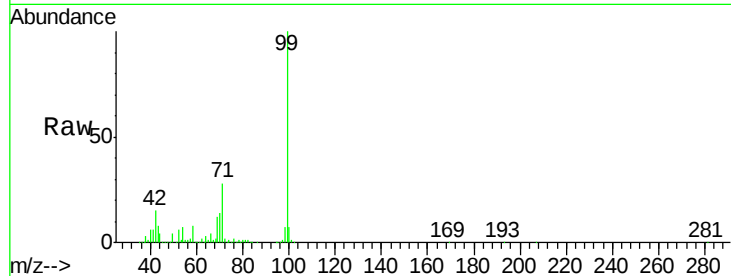
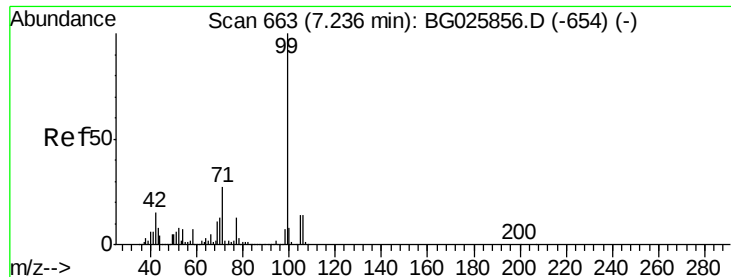
2-Fluorophenol  
Concen: 183.21 ng  
RT: 5.65 min Scan# 393  
Delta R.T. -0.01 min  
Lab File: BG025947.D  
Acq: 25 Feb 2017 1:00

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 67.1  | 61.8  | 92.6  |
| 63      | 33.7  | 37.2  | 55.8  |



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: 177.40 ng

RT: 7.24 min Scan# 663

Delta R.T. -0.00 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

Instrument :

BNA\_G

ClientSampleId :

E2-Y5-BASE

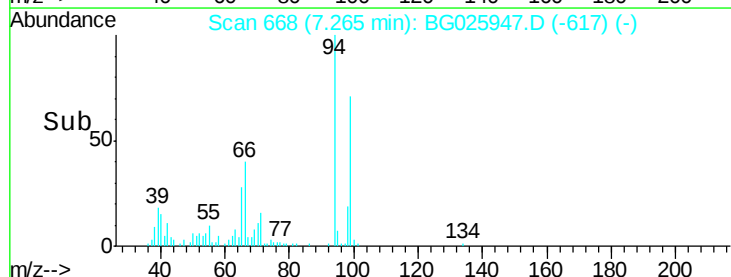
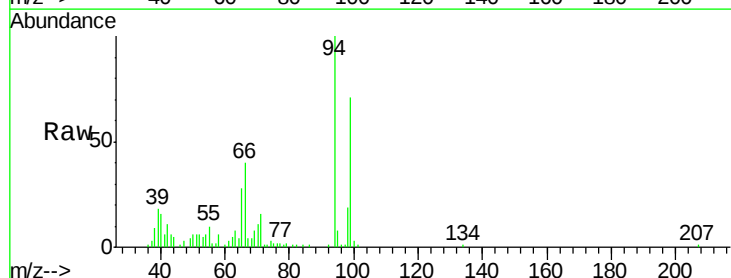
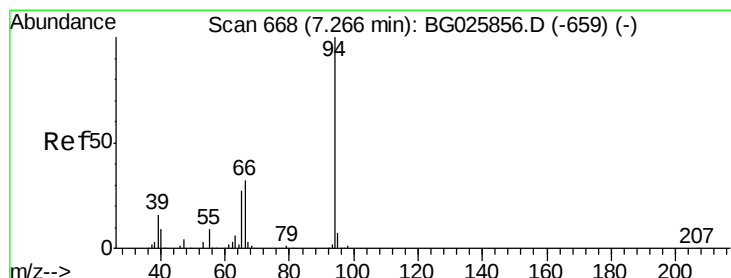
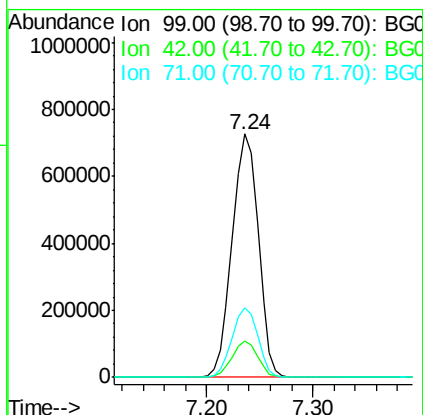
Tgt Ion: 99 Resp: 1244768

Ion Ratio Lower Upper

99 100

42 14.7 20.5 30.7#

71 28.4 37.6 56.4#



#10

Phenol

Concen: 6.17 ng

RT: 7.27 min Scan# 668

Delta R.T. -0.00 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

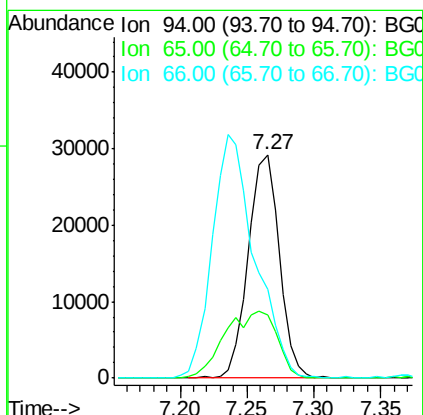
Tgt Ion: 94 Resp: 47008

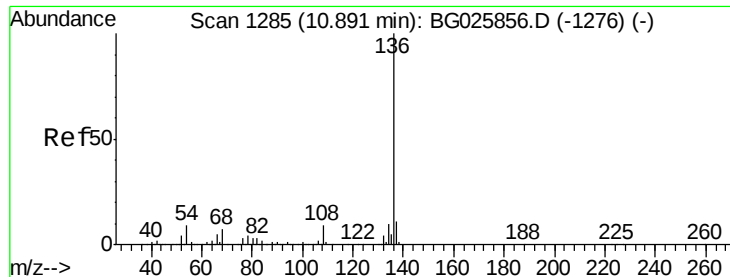
Ion Ratio Lower Upper

94 100

65 28.5 20.6 60.6

66 39.8 35.5 75.5

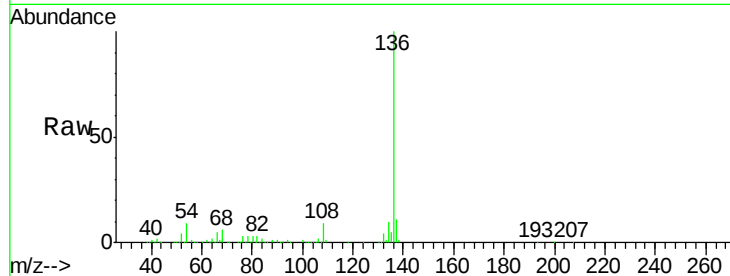




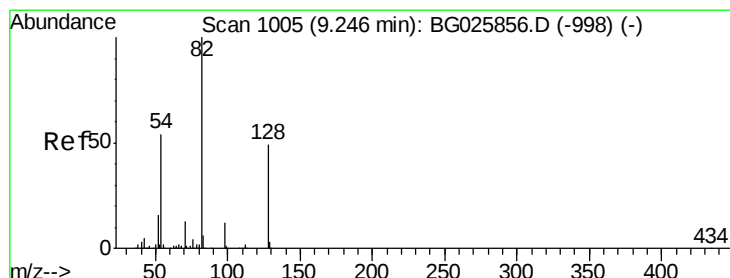
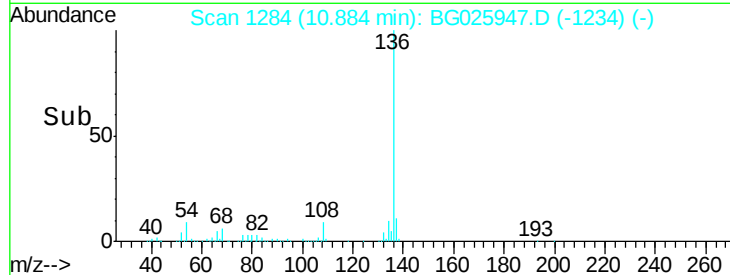
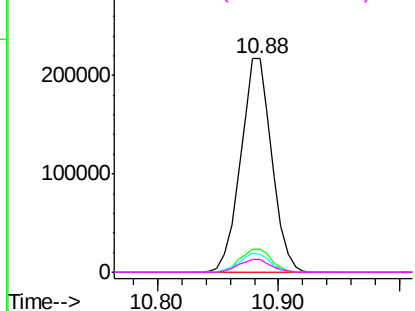
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.88 min Scan# 1284  
Delta R.T. -0.01 min  
Lab File: BG025947.D  
Acq: 25 Feb 2017 1:00

Instrument :  
BNA\_G  
ClientSampleId :  
E2-Y5-BASE

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 388229 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 8.9   | 13.3   |
| 54       | 8.5   | 9.3   | 13.9#  |
| 68       | 5.9   | 5.1   | 7.7    |

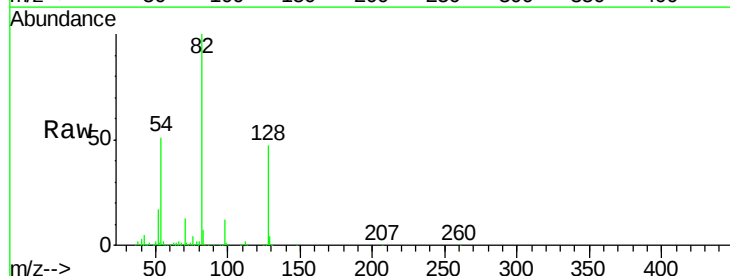


Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BG  
Ion 68.00 (67.70 to 68.70): BG

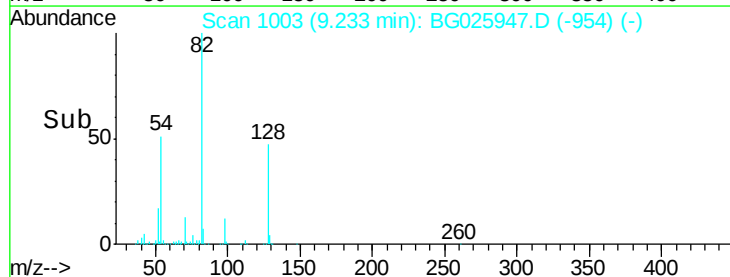
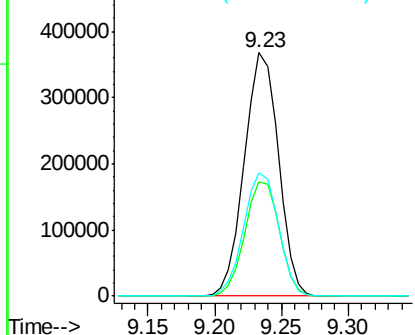


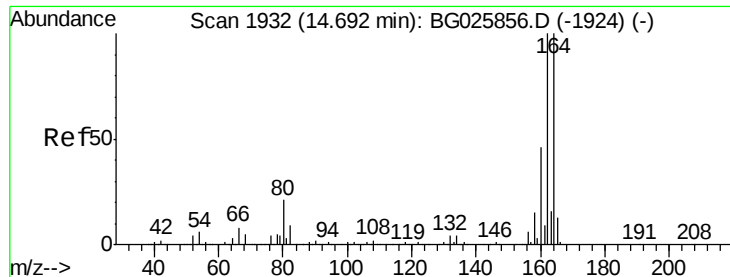
#23  
Nitrobenzene-d5  
Concen: 106.01 ng  
RT: 9.23 min Scan# 1003  
Delta R.T. -0.01 min  
Lab File: BG025947.D  
Acq: 25 Feb 2017 1:00

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 652136 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 46.8  | 26.4  | 39.6#  |
| 54       | 50.6  | 49.4  | 74.2   |



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.68 min Scan# 1930

Delta R.T. -0.01 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

Instrument :

BNA\_G

ClientSampleId :

E2-Y5-BASE

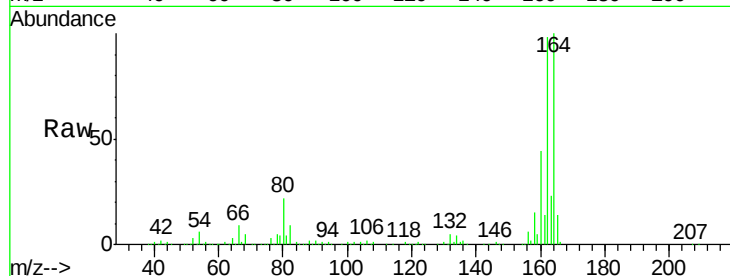
Tgt Ion:164 Resp: 263651

Ion Ratio Lower Upper

164 100

162 97.8 85.1 127.7

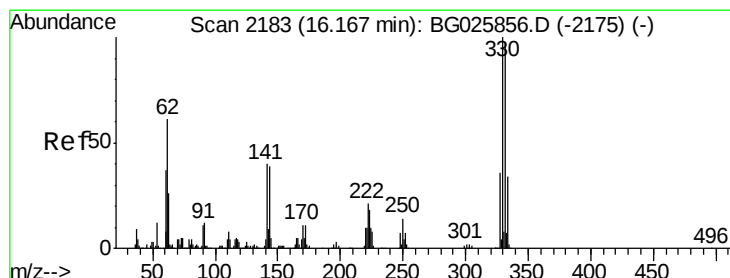
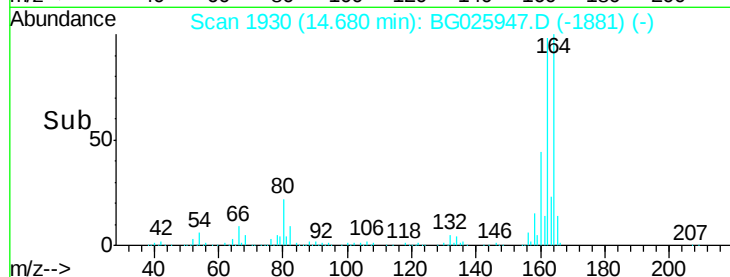
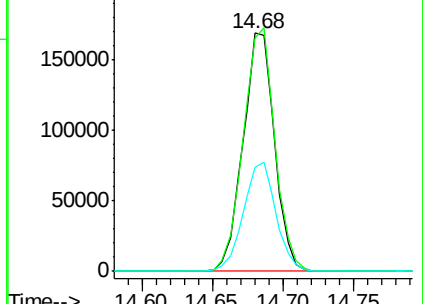
160 43.9 34.7 52.1



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: 237.14 ng

RT: 16.16 min Scan# 2182

Delta R.T. -0.01 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

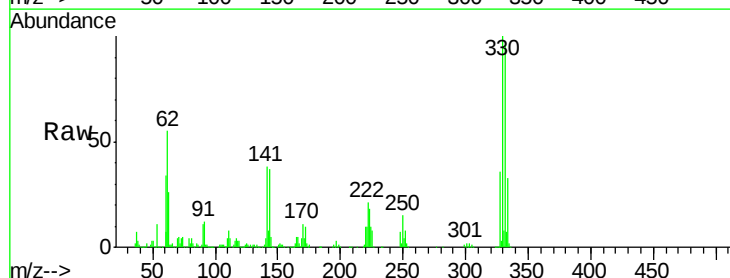
Tgt Ion:330 Resp: 577646

Ion Ratio Lower Upper

330 100

332 96.9 77.3 115.9

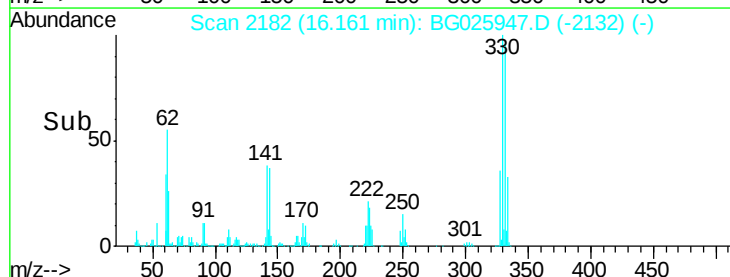
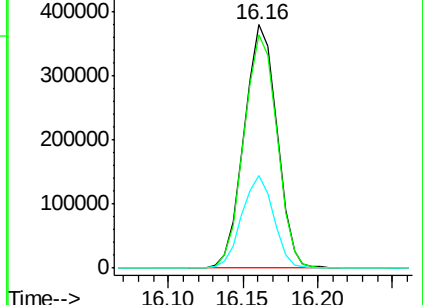
141 37.0 32.1 48.1

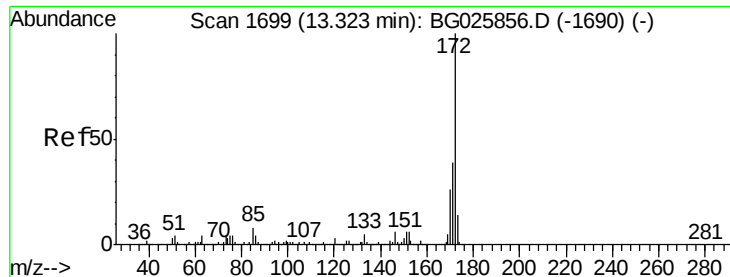


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 111.43 ng

RT: 13.31 min Scan# 1697

Delta R.T. -0.01 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

Instrument :

BNA\_G

ClientSampleId :

E2-Y5-BASE

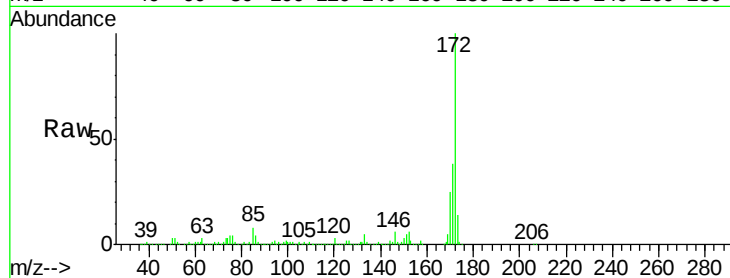
Tgt Ion:172 Resp: 1681349

Ion Ratio Lower Upper

172 100

171 38.0 32.2 48.2

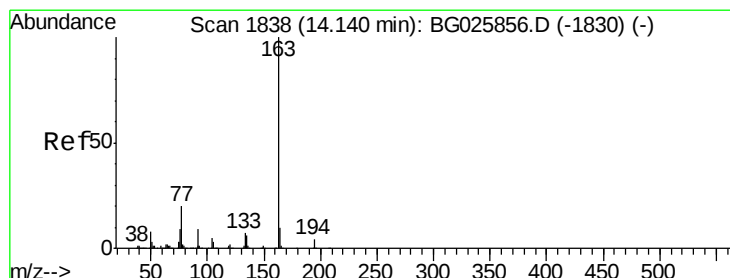
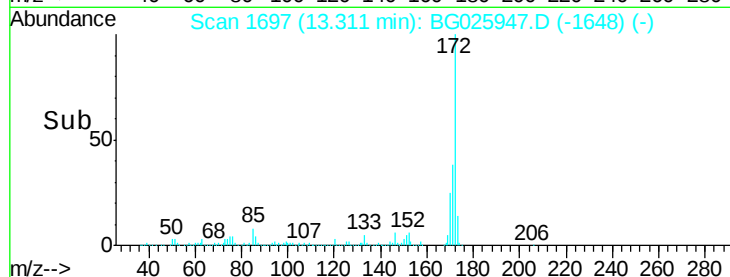
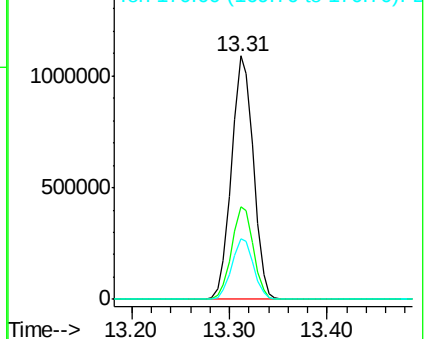
170 25.1 21.8 32.6



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: 6.78 ng

RT: 14.13 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

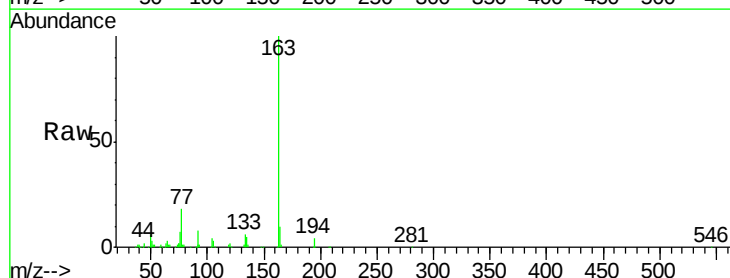
Tgt Ion:163 Resp: 122706

Ion Ratio Lower Upper

163 100

194 3.8 3.8 5.6

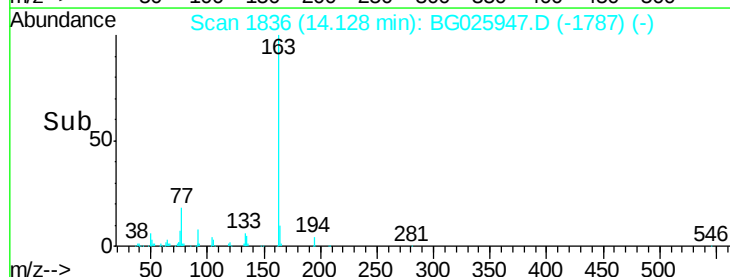
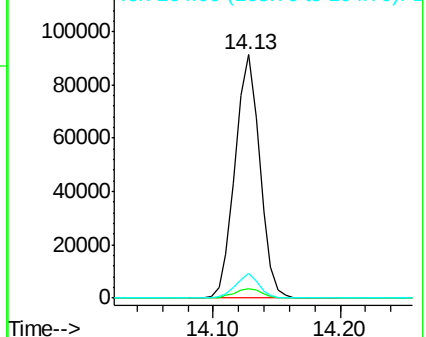
164 10.0 9.3 13.9

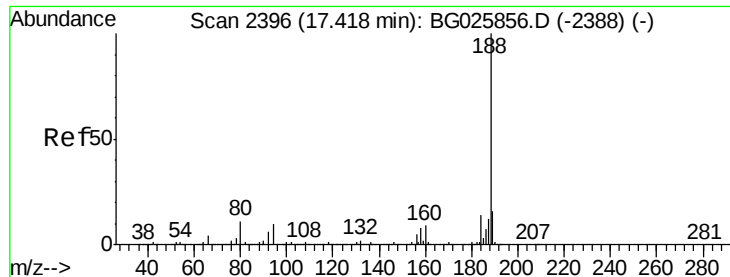


Abundance Ion 163.00 (162.70 to 163.70): E

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: 17.41 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

Instrument :

BNA\_G

ClientSampleId :

E2-Y5-BASE

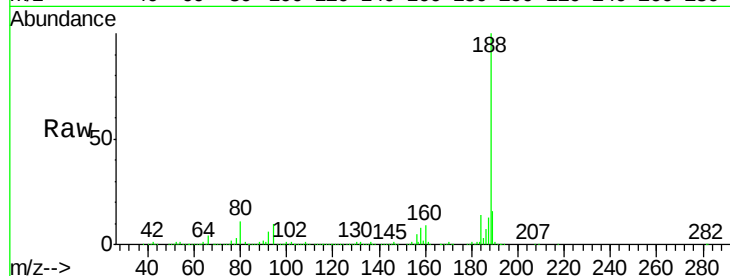
Tgt Ion:188 Resp: 722251

Ion Ratio Lower Upper

188 100

94 9.7 5.8 8.8#

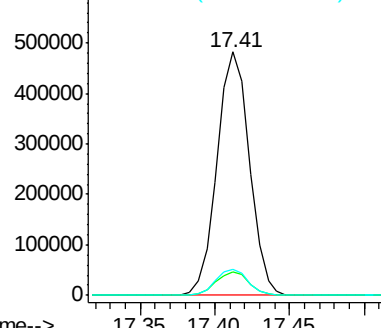
80 10.8 7.5 11.3



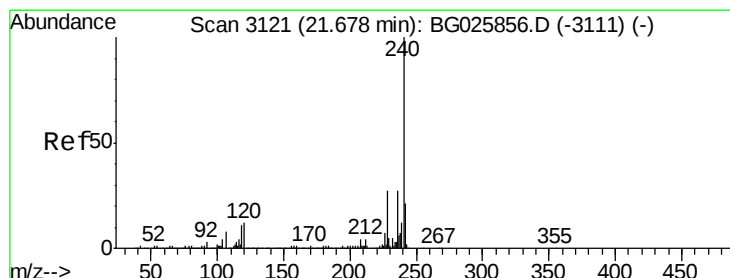
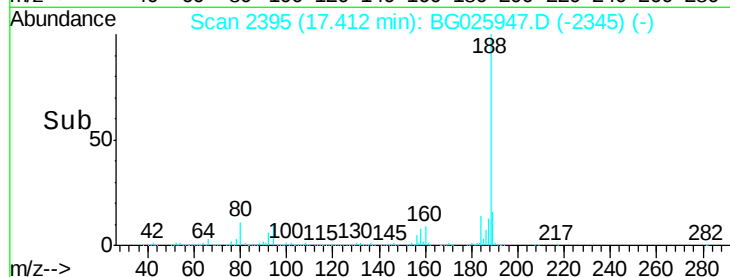
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.66 min Scan# 3118

Delta R.T. -0.02 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

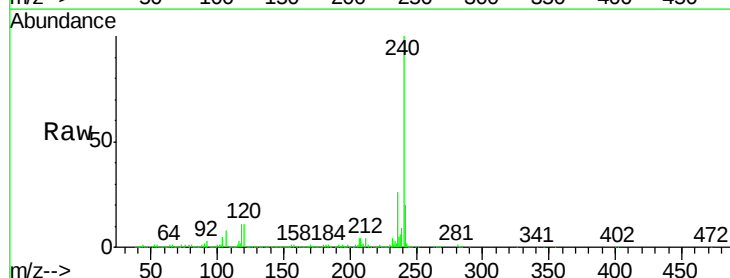
Tgt Ion:240 Resp: 774486

Ion Ratio Lower Upper

240 100

120 11.0 5.7 8.5#

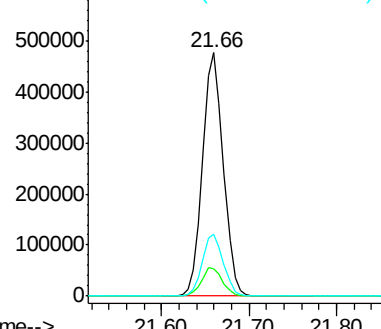
236 25.6 22.2 33.4



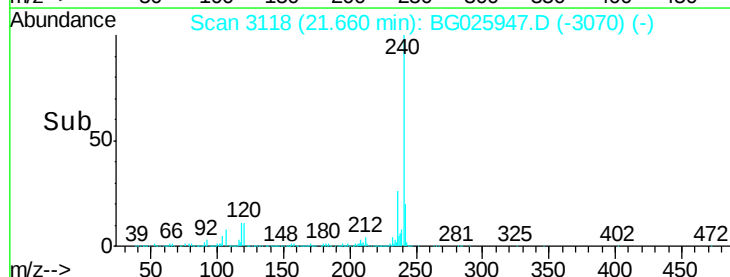
Abundance Ion 240.00 (239.70 to 240.70): E

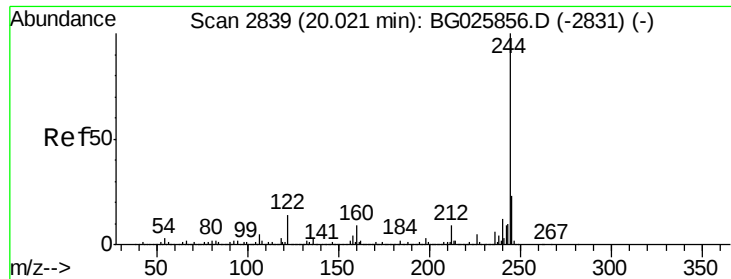
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#78

Terphenyl-d14

Concen: 81.49 ng

RT: 20.01 min Scan# 2837

Delta R.T. -0.01 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

Instrument :

BNA\_G

ClientSampleId :

E2-Y5-BASE

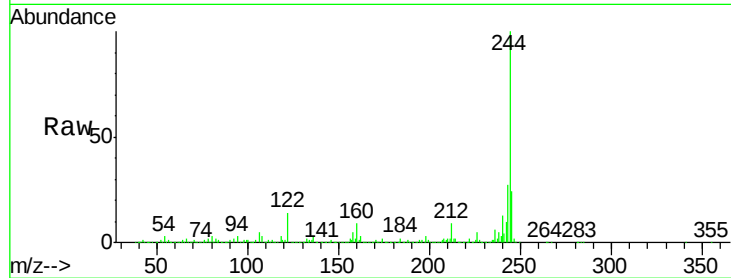
Tgt Ion:244 Resp: 2594988

Ion Ratio Lower Upper

244 100

212 9.1 10.0 15.0#

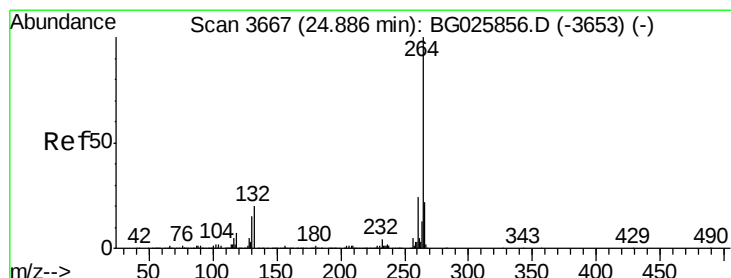
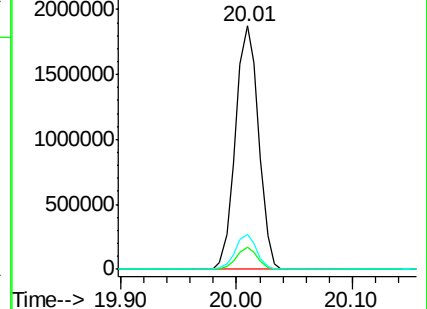
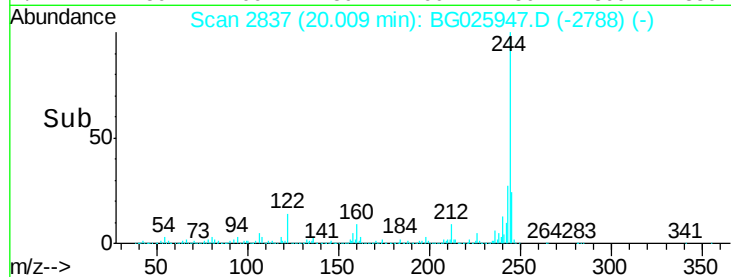
122 14.3 8.6 12.8#



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: 24.86 min Scan# 3663

Delta R.T. -0.02 min

Lab File: BG025947.D

Acq: 25 Feb 2017 1:00

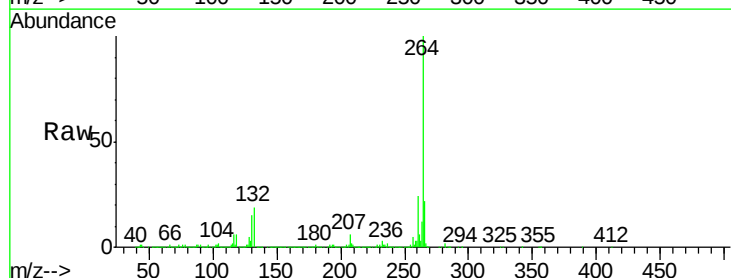
Tgt Ion:264 Resp: 747912

Ion Ratio Lower Upper

264 100

260 23.5 21.8 32.8

265 22.2 18.2 27.4



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

