

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG082516\  
 Data File : BG023913.D  
 Acq On : 26 Aug 2016 5:06  
 Operator : UM/SJ  
 Sample : H4588-02  
 Misc :  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-02

Quant Time: Aug 26 06:57:53 2016  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Aug 24 17:42:04 2016  
 Response via : Initial Calibration

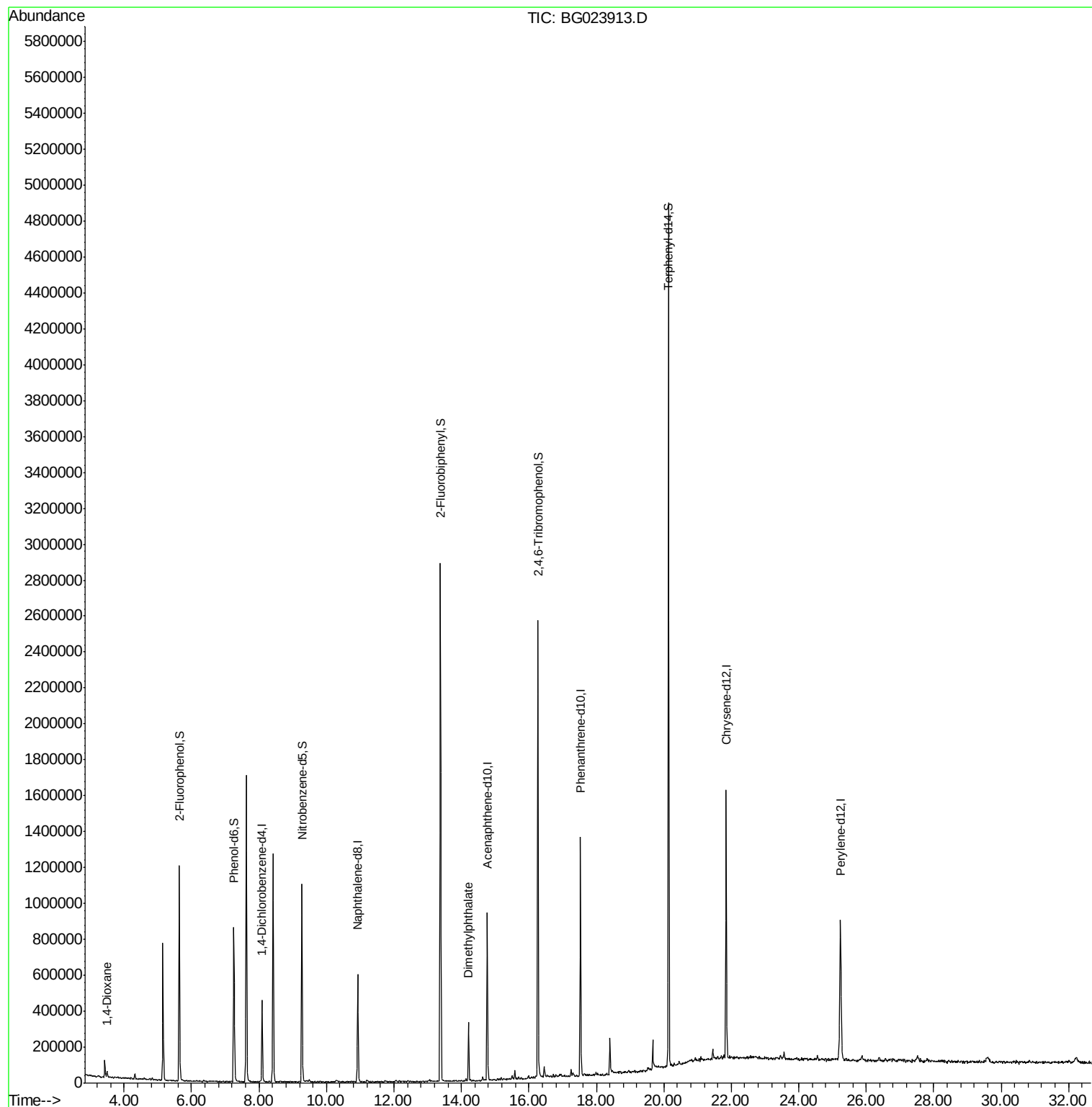
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units | Dev(Min)    |
|-----------------------------|-------|------|----------|-------|-------|-------------|
| 1) 1,4-Dichlorobenzene-d4   | 8.09  | 152  | 115022   | 20.00 | ng    | 0.00        |
| 21) Naphthalene-d8          | 10.93 | 136  | 497623   | 20.00 | ng    | 0.00        |
| 38) Acenaphthene-d10        | 14.76 | 164  | 327004   | 20.00 | ng    | 0.00        |
| 63) Phenanthrene-d10        | 17.53 | 188  | 791592   | 20.00 | ng    | 0.00        |
| 75) Chrysene-d12            | 21.85 | 240  | 877298   | 20.00 | ng    | 0.00        |
| 86) Perylene-d12            | 25.23 | 264  | 867645   | 20.00 | ng    | 0.00        |
| System Monitoring Compounds |       |      |          |       |       |             |
| 5) 2-Fluorophenol           | 5.64  | 112  | 510798   | 74.75 | ng    | 0.00        |
| 7) Phenol-d6                | 7.26  | 99   | 516710   | 48.55 | ng    | 0.00        |
| 23) Nitrobenzene-d5         | 9.27  | 82   | 709296   | 70.86 | ng    | 0.00        |
| 41) 2,4,6-Tribromophenol    | 16.27 | 330  | 451975   | 94.50 | ng    | 0.00        |
| 44) 2-Fluorobiphenyl        | 13.38 | 172  | 1425965  | 73.55 | ng    | 0.00        |
| 78) Terphenyl-d14           | 20.14 | 244  | 1912980  | 63.37 | ng    | 0.00        |
| Target Compounds            |       |      |          |       |       |             |
| 2) 1,4-Dioxane              | 3.49  | 88   | 18899    | 6.49  | ng    | Qvalue # 79 |
| 49) Dimethylphthalate       | 14.21 | 163  | 207374   | 8.27  | ng    | 100         |

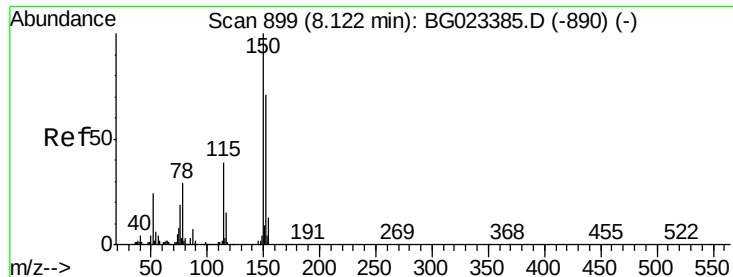
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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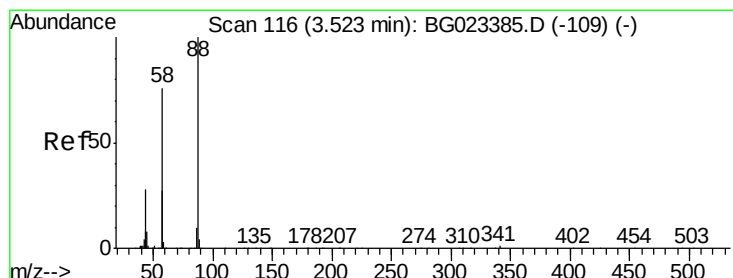
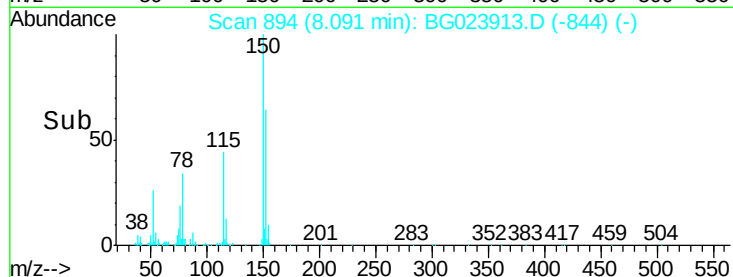
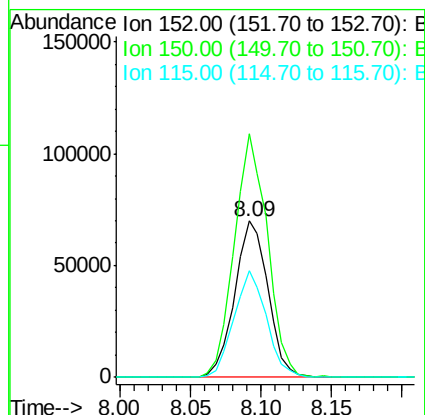
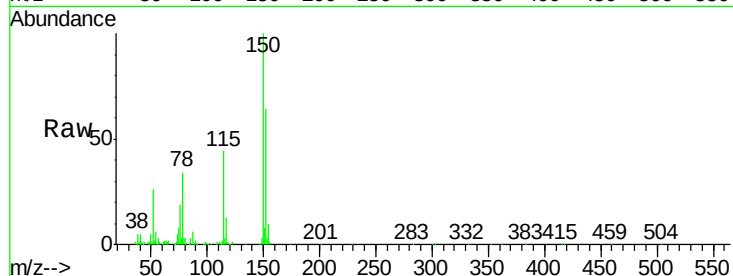


#1

1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.09 min Scan# 894  
Delta R.T. -0.00 min  
Lab File: BG023913.D  
Acq: 26 Aug 2016 5:06

Instrument :  
BNA\_G  
ClientSampleId :  
MW-02

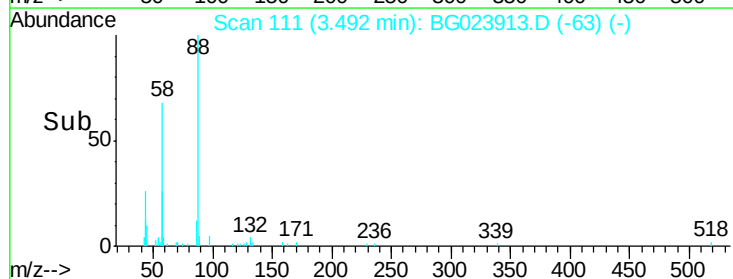
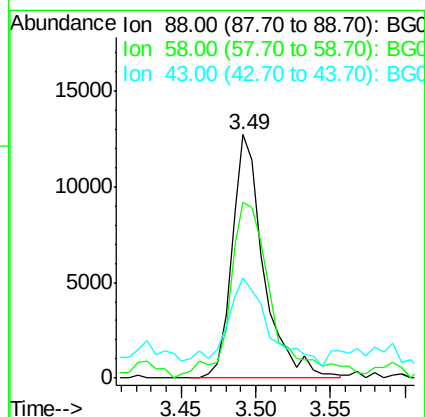
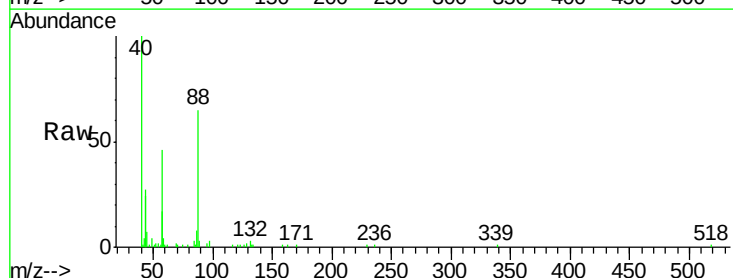
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 155.8 | 144.7 | 217.1 |
| 115     | 68.5  | 64.0  | 96.0  |

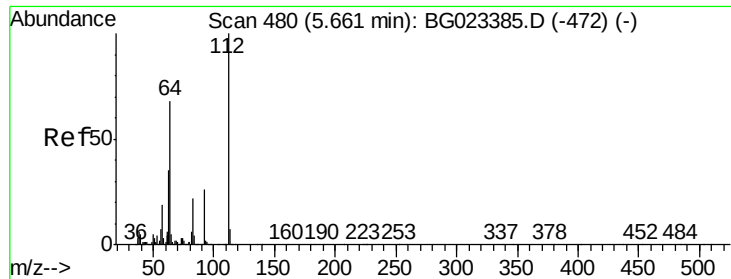


#2

1,4-Dioxane  
Concen: 6.49 ng  
RT: 3.49 min Scan# 111  
Delta R.T. -0.02 min  
Lab File: BG023913.D  
Acq: 26 Aug 2016 5:06

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 96.7  | 60.4  | 90.6  |
| 43      | 46.6  | 31.1  | 46.7  |





#5

2-Fluorophenol

Concen: 74.75 ng

RT: 5.64 min Scan# 477

Delta R.T. 0.00 min

Lab File: BG023913.D

Acq: 26 Aug 2016 5:06

Instrument :

BNA\_G

ClientSampleId :

MW-02

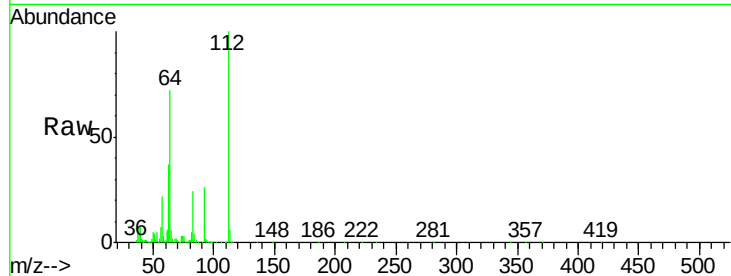
Tgt Ion: 112 Resp: 510798

Ion Ratio Lower Upper

112 100

64 71.7 59.0 88.4

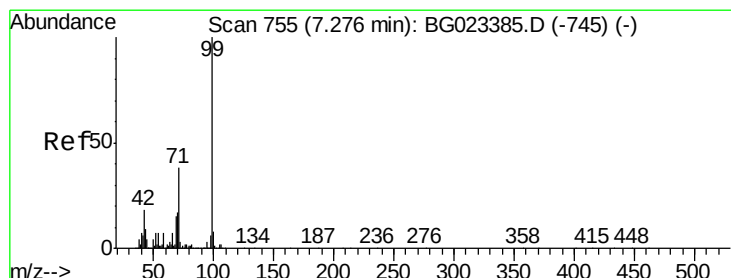
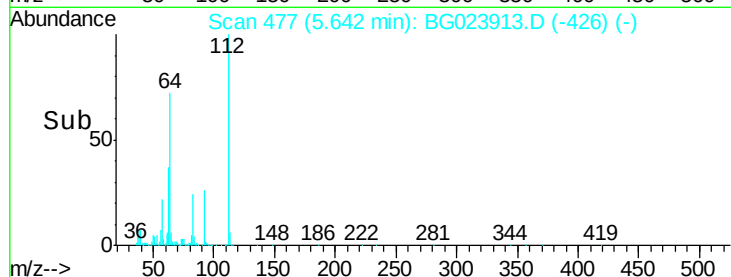
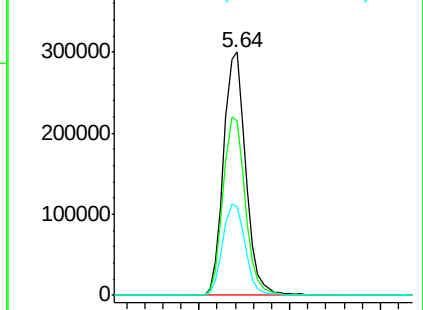
63 36.6 37.8 56.8#



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: 48.55 ng

RT: 7.26 min Scan# 752

Delta R.T. 0.00 min

Lab File: BG023913.D

Acq: 26 Aug 2016 5:06

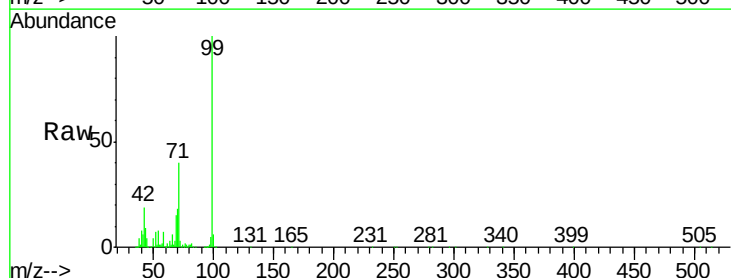
Tgt Ion: 99 Resp: 516710

Ion Ratio Lower Upper

99 100

42 19.3 17.8 26.6

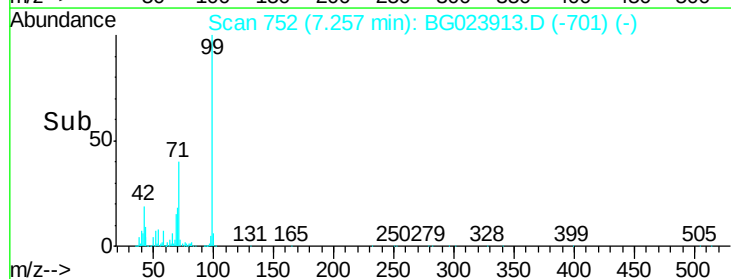
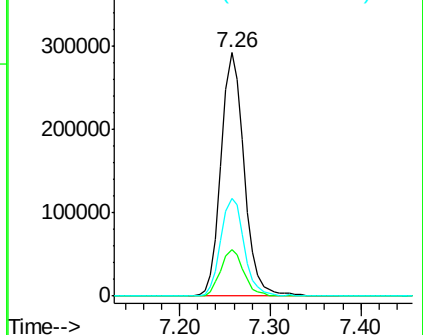
71 39.9 41.5 62.3#

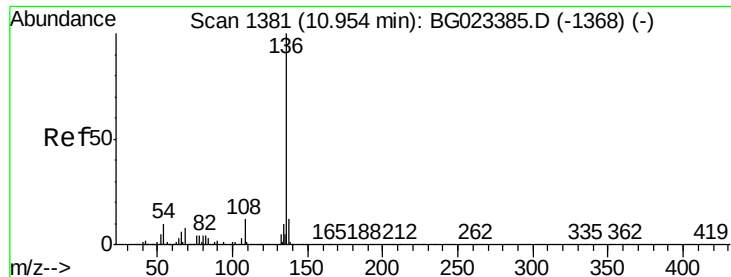


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

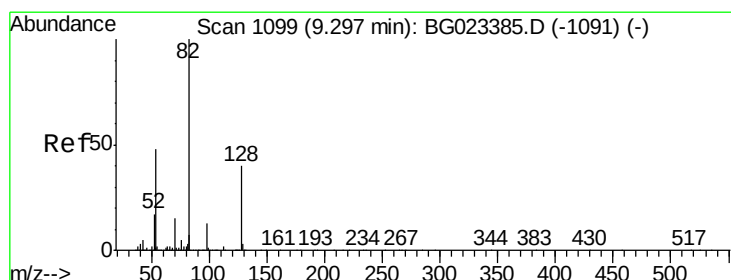
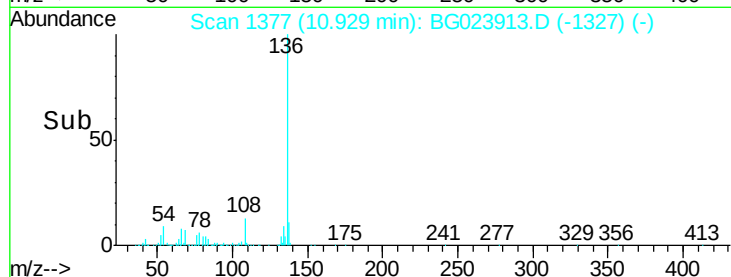
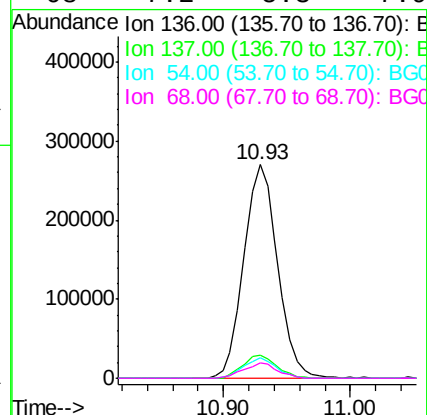
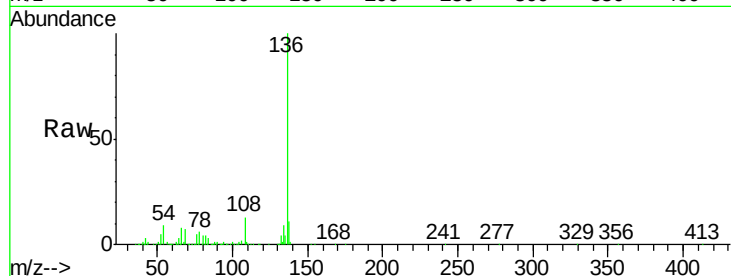




#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.93 min Scan# 1377  
Delta R.T. -0.00 min  
Lab File: BG023913.D  
Acq: 26 Aug 2016 5:06

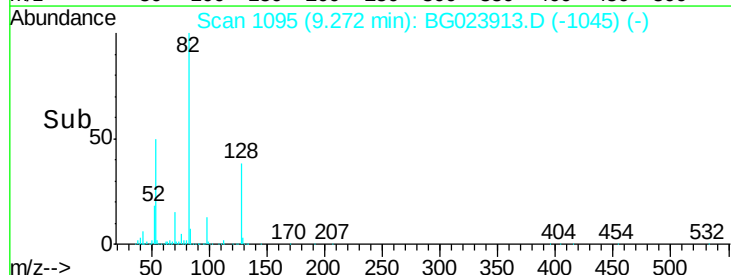
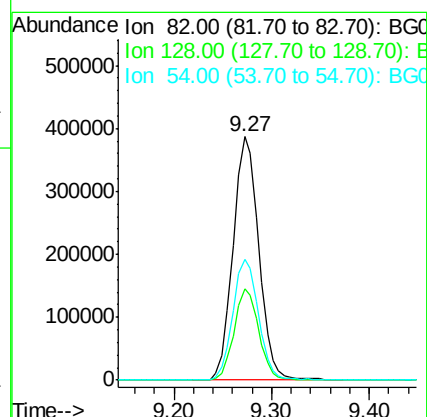
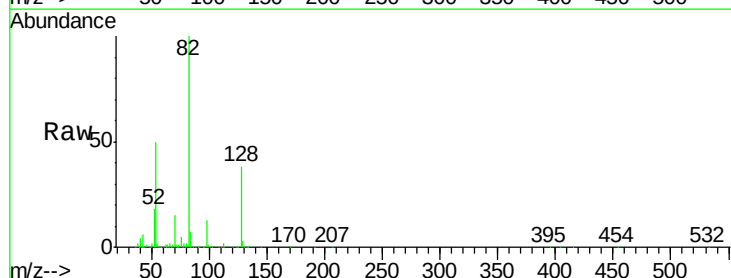
Instrument :  
BNA\_G  
ClientSampleId :  
MW-02

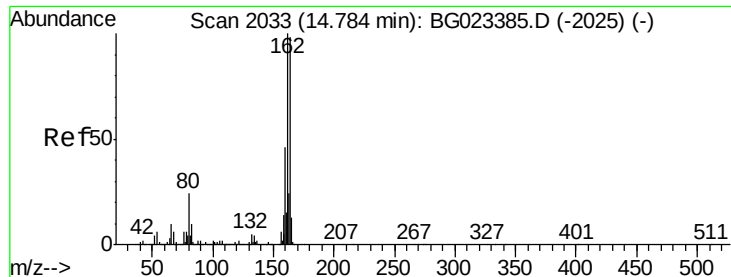
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 497623 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.0  | 9.6   | 14.4   |
| 54       | 9.5   | 7.3   | 10.9   |
| 68       | 7.2   | 5.3   | 7.9    |



#23  
Nitrobenzene-d5  
Concen: 70.86 ng  
RT: 9.27 min Scan# 1095  
Delta R.T. -0.00 min  
Lab File: BG023913.D  
Acq: 26 Aug 2016 5:06

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 709296 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 37.7  | 24.4  | 36.6#  |
| 54       | 49.6  | 41.4  | 62.0   |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.76 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BG023913.D

Acq: 26 Aug 2016 5:06

Instrument :

BNA\_G

ClientSampleId :

MW-02

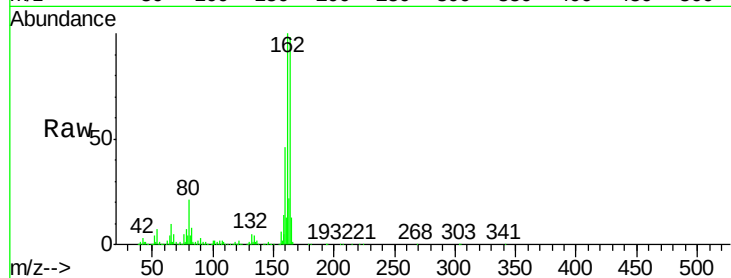
Tgt Ion:164 Resp: 327004

Ion Ratio Lower Upper

164 100

162 102.1 87.7 131.5

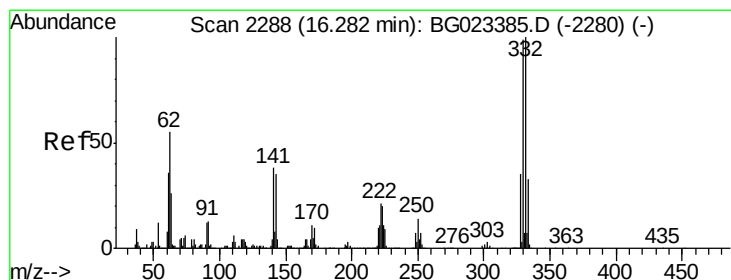
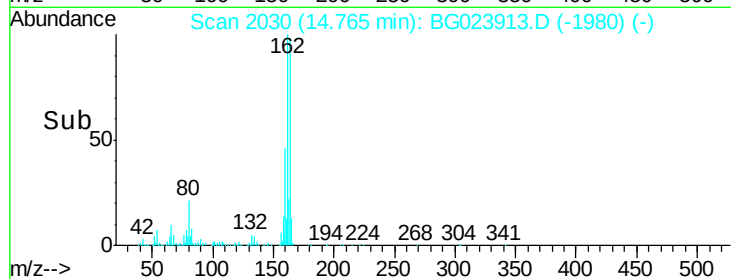
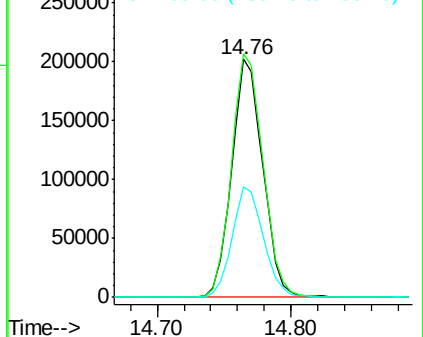
160 46.5 37.2 55.8



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: 94.50 ng

RT: 16.27 min Scan# 2286

Delta R.T. 0.00 min

Lab File: BG023913.D

Acq: 26 Aug 2016 5:06

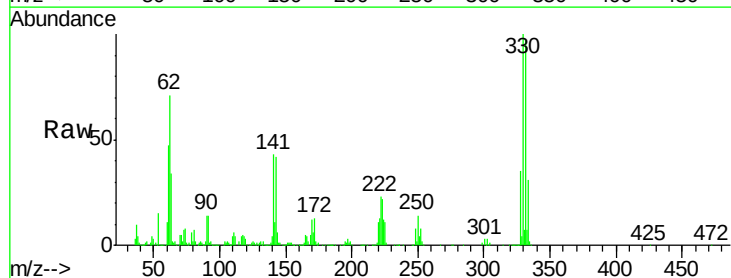
Tgt Ion:330 Resp: 451975

Ion Ratio Lower Upper

330 100

332 95.0 77.4 116.2

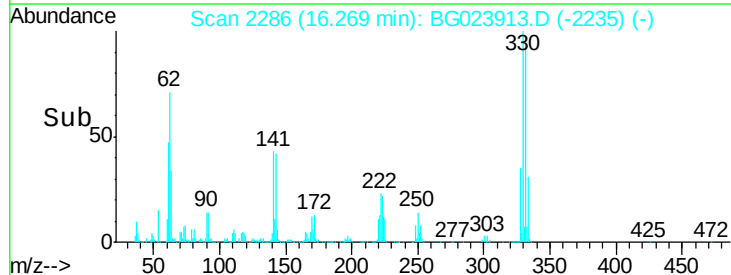
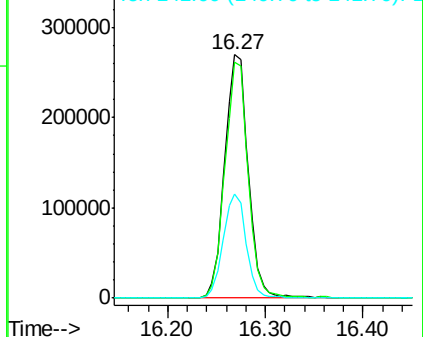
141 41.9 31.7 47.5

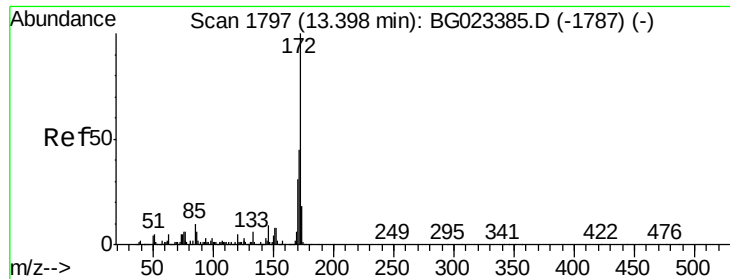


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

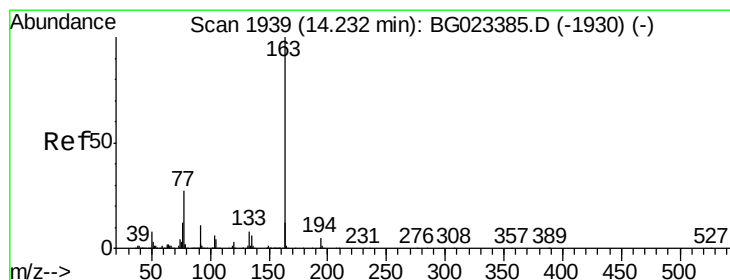
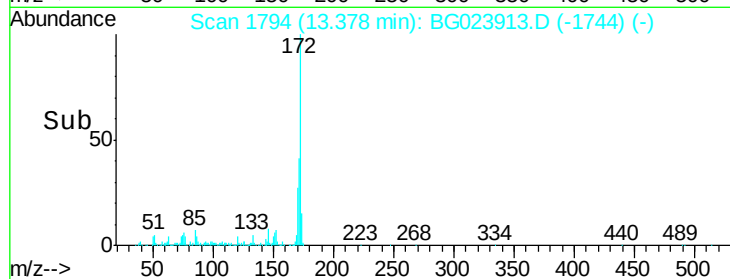
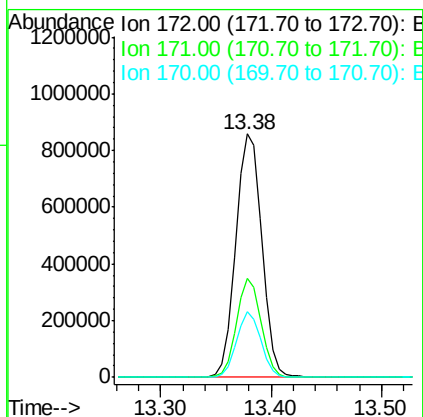
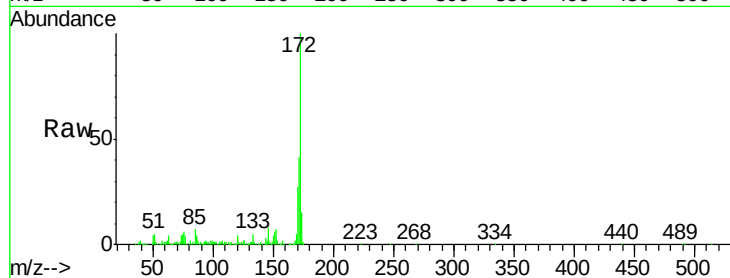




#44  
 2-Fluorobiphenyl  
 Concen: 73.55 ng  
 RT: 13.38 min Scan# 1794  
 Delta R.T. -0.00 min  
 Lab File: BG023913.D  
 Acq: 26 Aug 2016 5:06

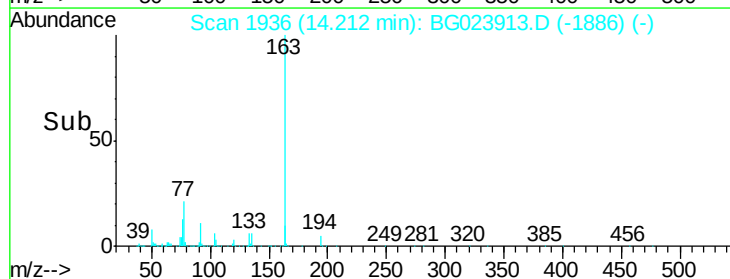
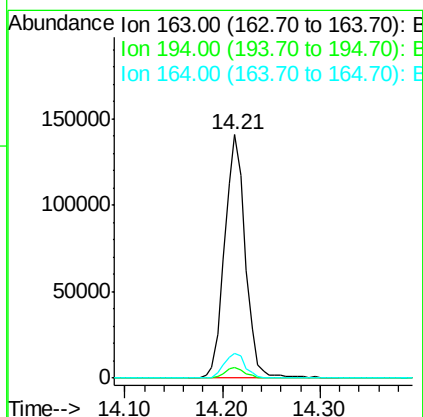
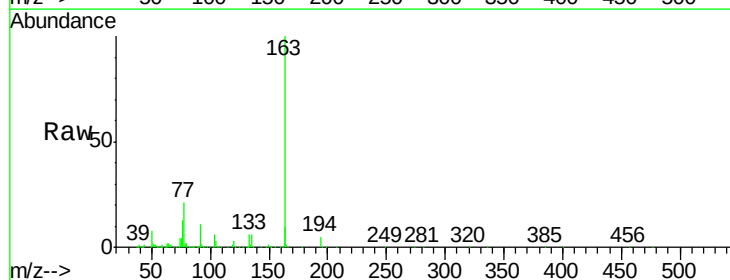
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MW-02

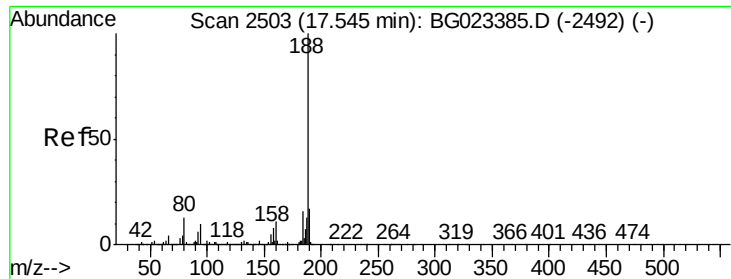
Tgt Ion:172 Resp: 1425965  
 Ion Ratio Lower Upper  
 172 100  
 171 40.7 31.6 47.4  
 170 27.2 21.3 31.9



#49  
 Dimethylphthalate  
 Concen: 8.27 ng  
 RT: 14.21 min Scan# 1936  
 Delta R.T. -0.00 min  
 Lab File: BG023913.D  
 Acq: 26 Aug 2016 5:06

Tgt Ion:163 Resp: 207374  
 Ion Ratio Lower Upper  
 163 100  
 194 4.6 3.6 5.4  
 164 10.2 8.1 12.1

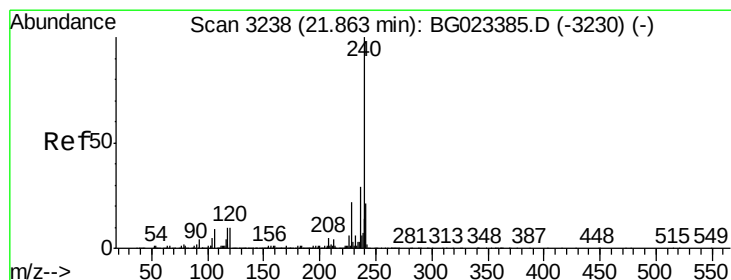
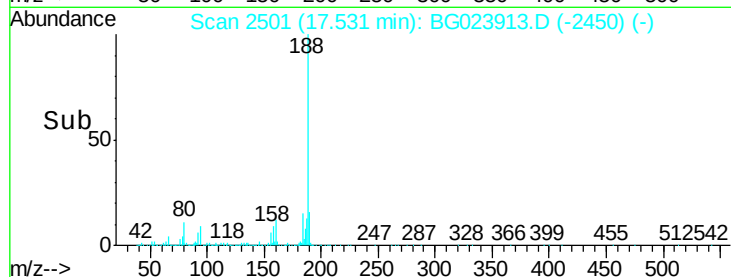
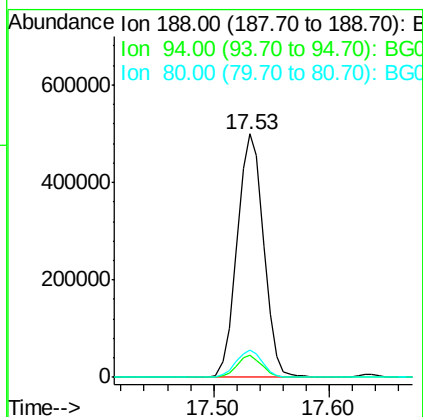
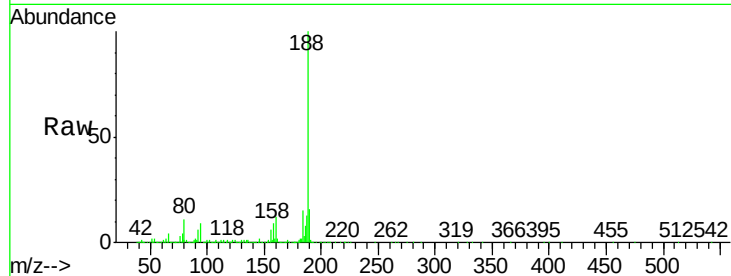




#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.53 min Scan# 2501  
Delta R.T. 0.00 min  
Lab File: BG023913.D  
Acq: 26 Aug 2016 5:06

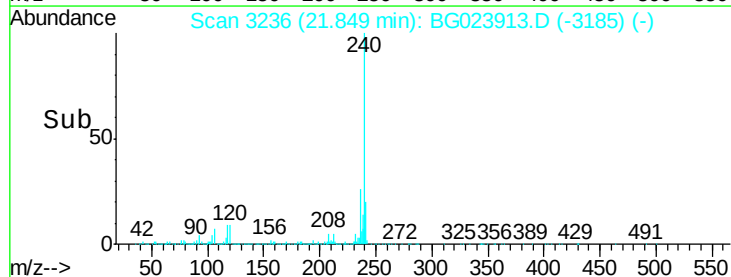
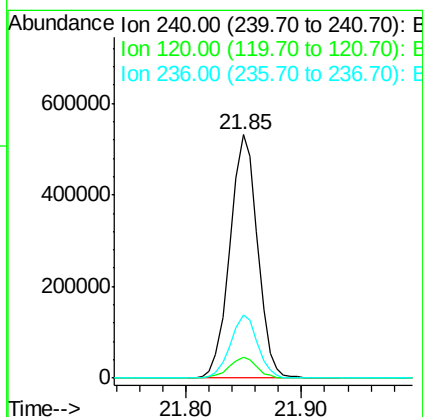
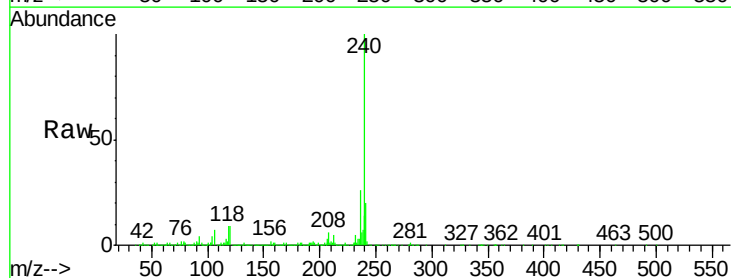
Instrument :  
BNA\_G  
ClientSampleId :  
MW-02

Tgt Ion:188 Resp: 791592  
Ion Ratio Lower Upper  
188 100  
94 8.9 5.2 7.8#  
80 11.4 7.2 10.8#

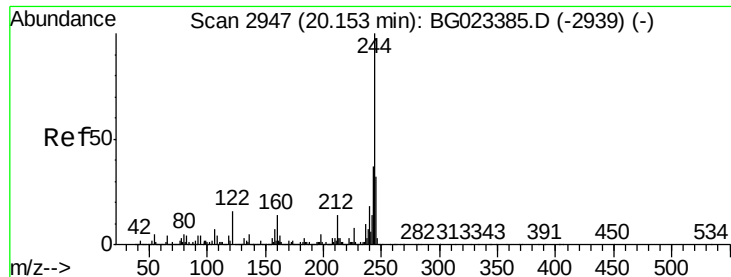


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.85 min Scan# 3236  
Delta R.T. 0.00 min  
Lab File: BG023913.D  
Acq: 26 Aug 2016 5:06

Tgt Ion:240 Resp: 877298  
Ion Ratio Lower Upper  
240 100  
120 8.7 4.1 6.1#  
236 26.1 21.1 31.7







#78

Terphenyl-d14

Concen: 63.37 ng

RT: 20.14 min Scan# 2945

Delta R.T. 0.00 min

Lab File: BG023913.D

Acq: 26 Aug 2016 5:06

Instrument :

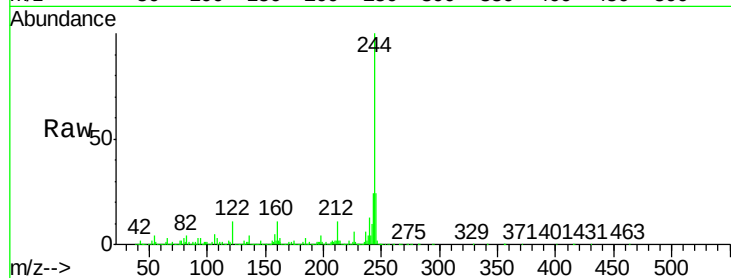
BNA\_G

ClientSampleId :

MW-02

Tgt Ion:244 Resp: 1912980

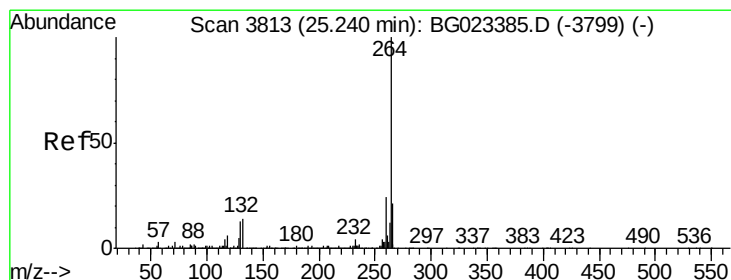
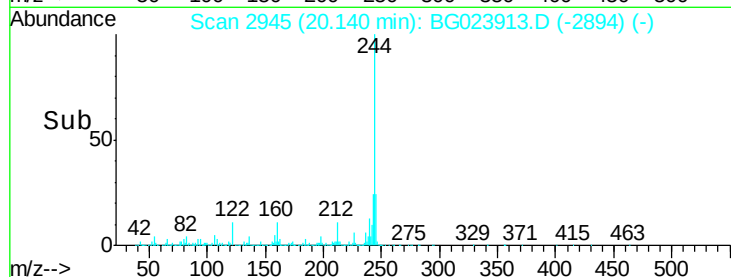
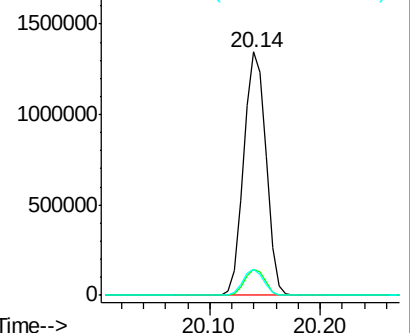
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 244 | 100   |       |       |
| 212 | 10.9  | 10.8  | 16.2  |
| 122 | 10.7  | 8.0   | 12.0  |



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: 25.23 min Scan# 3812

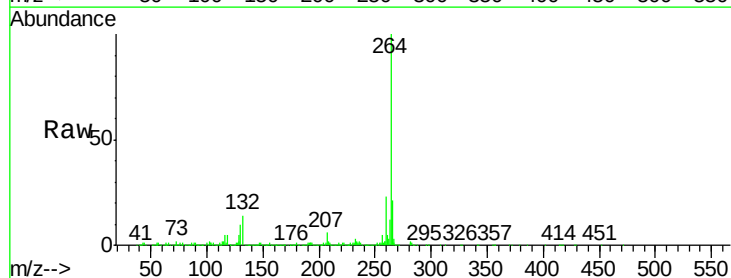
Delta R.T. 0.01 min

Lab File: BG023913.D

Acq: 26 Aug 2016 5:06

Tgt Ion:264 Resp: 867645

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 264 | 100   |       |       |
| 260 | 22.8  | 18.4  | 27.6  |
| 265 | 20.9  | 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

