

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
 Data File : BG017002.D  
 Acq On : 9 May 2015 22:41  
 Operator : TP/IZ  
 Sample : G2151-20  
 Misc :  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TU021-SB-11-6.0

Manual Integrations  
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 5/19/2015 9:23:29 AM

Quant Time: May 11 03:12:42 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue May 05 16:13:58 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-----------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.79  | 152  | 51699    | 20.00  | ng    | -0.02    |
| 21) Naphthalene-d8          | 10.58 | 136  | 231848   | 20.00  | ng    | -0.02    |
| 38) Acenaphthene-d10        | 14.43 | 164  | 158251   | 20.00  | ng    | -0.02    |
| 63) Phenanthrene-d10        | 17.17 | 188  | 378925   | 20.00  | ng    | -0.02    |
| 75) Chrysene-d12            | 21.34 | 240  | 371975   | 20.00  | ng    | -0.02    |
| 86) Perylene-d12            | 23.64 | 264  | 363255   | 20.00  | ng    | -0.04    |
| System Monitoring Compounds |       |      |          |        |       |          |
| 5) 2-Fluorophenol           | 5.37  | 112  | 379260   | 127.74 | ng    | -0.01    |
| 7) Phenol-d6                | 6.96  | 99   | 552605   | 130.27 | ng    | 0.00     |
| 23) Nitrobenzene-d5         | 8.95  | 82   | 354139   | 74.62  | ng    | -0.02    |
| 41) 2,4,6-Tribromophenol    | 15.91 | 330  | 225114   | 141.70 | ng    | -0.02    |
| 44) 2-Fluorobiphenyl        | 13.05 | 172  | 702411   | 66.98  | ng    | -0.02    |
| 78) Terphenyl-d14           | 19.80 | 244  | 1147187  | 72.30  | ng    | -0.02    |
| Target Compounds            |       |      |          |        |       |          |
| 32) Benzoic acid            | 9.81  | 122  | 5121m    | 3.24   | ng    | Qvalue   |
| 49) Dimethylphthalate       | 13.88 | 163  | 57310    | 4.85   | ng    | # 97     |

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

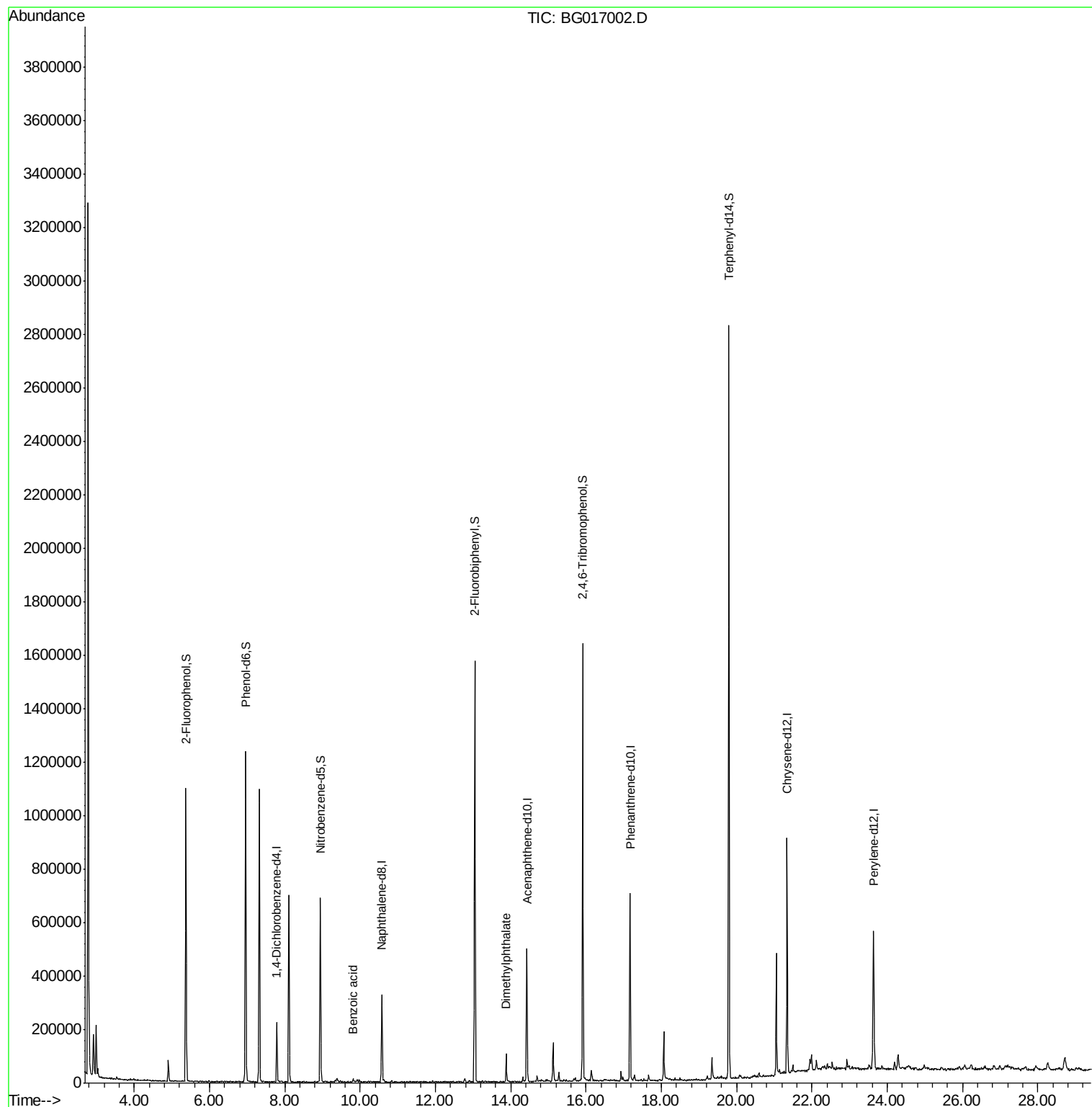
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG050915\  
Data File : BG017002.D  
Acq On : 9 May 2015 22:41  
Operator : TP/IZ  
Sample : G2151-20  
Misc :  
ALS Vial : 47 Sample Multiplier: 1

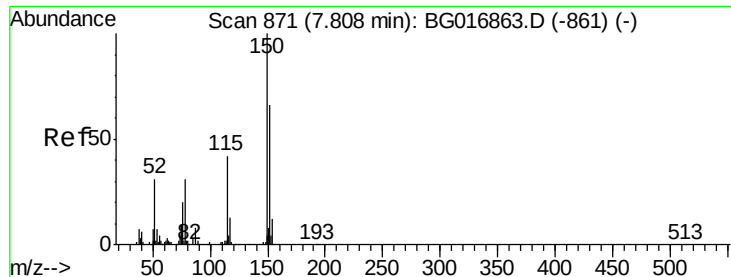
Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-11-6.0

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Quant Time: May 11 03:12:42 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG050515.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Tue May 05 16:13:58 2015  
Response via : Initial Calibration





#1

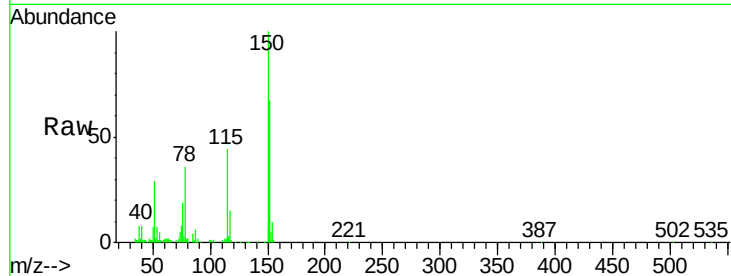
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.79 min Scan# 868  
Delta R.T. -0.02 min  
Lab File: BG017002.D  
Acq: 9 May 2015 22:41

Instrument :  
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ClientSampleId :  
TU021-SB-11-6.0

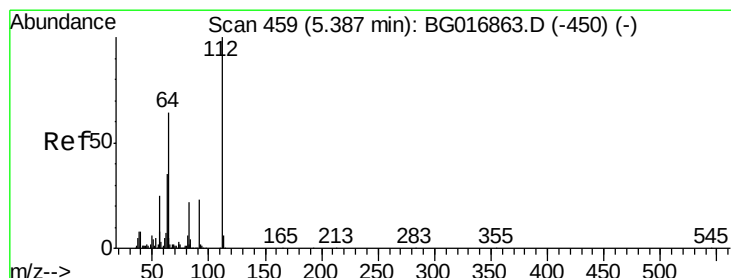
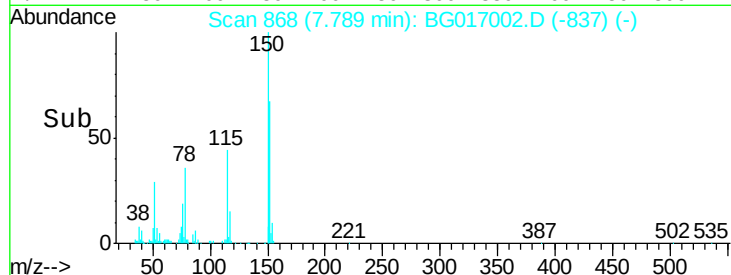
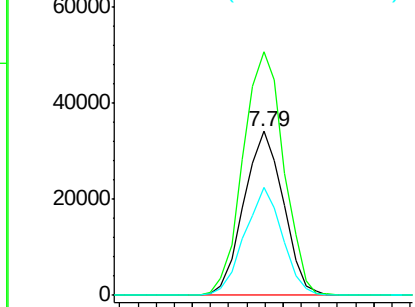
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 148.5 | 121.0 | 181.4 |
| 115     | 65.8  | 50.5  | 75.7  |

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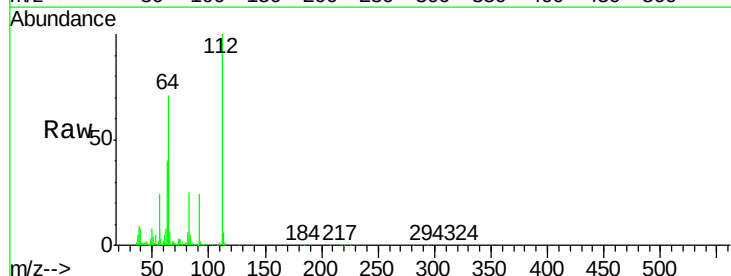
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



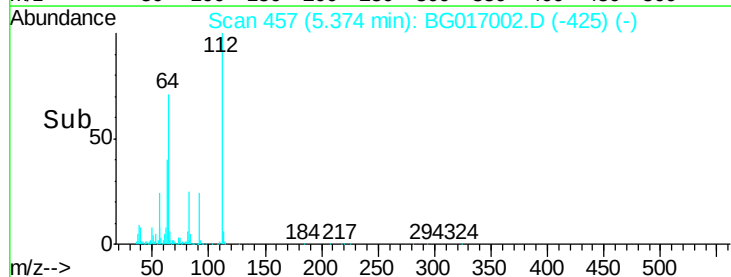
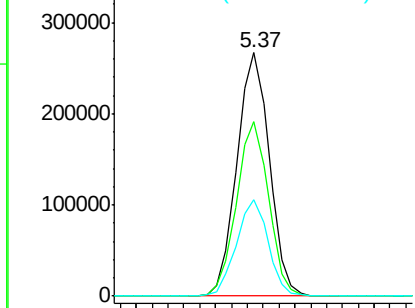
#5

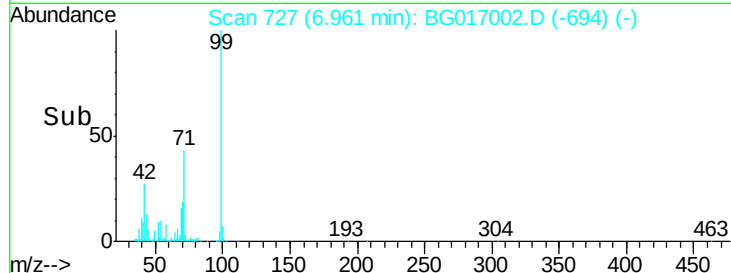
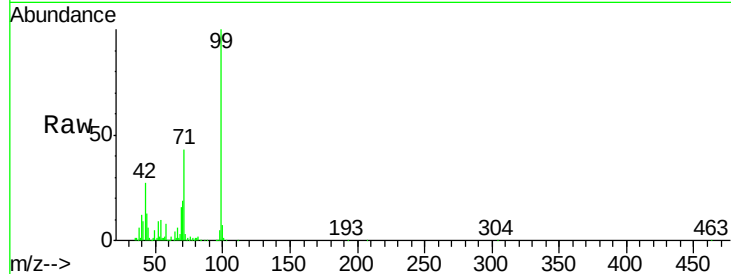
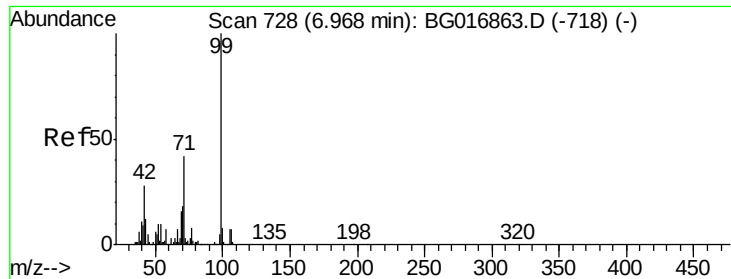
2-Fluorophenol  
Concen: 127.74 ng  
RT: 5.37 min Scan# 457  
Delta R.T. -0.01 min  
Lab File: BG017002.D  
Acq: 9 May 2015 22:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 112     | 100   |       |       |
| 64      | 71.5  | 51.4  | 77.2  |
| 63      | 39.5  | 28.1  | 42.1  |



Abundance Ion 112.00 (111.70 to 112.70): E  
Ion 64.00 (63.70 to 64.70): BG0  
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 130.27 ng

RT: 6.96 min Scan# 727

Delta R.T. -0.01 min

Lab File: BG017002.D

Acq: 9 May 2015 22:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 99      | 100   | 552605 |       |       |
| 42      | 26.8  | 22.1   | 33.1  |       |
| 71      | 42.9  | 33.4   | 50.0  |       |

Instrument :

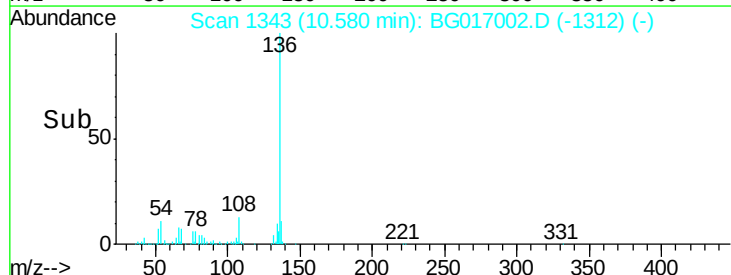
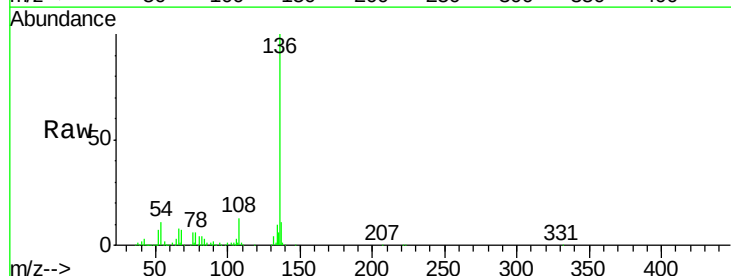
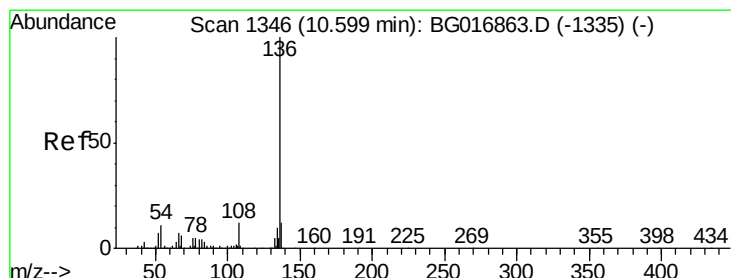
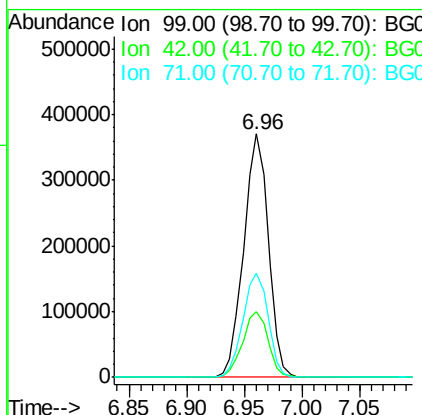
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#21

Naphthalene-d8

Concen: 20.00 ng

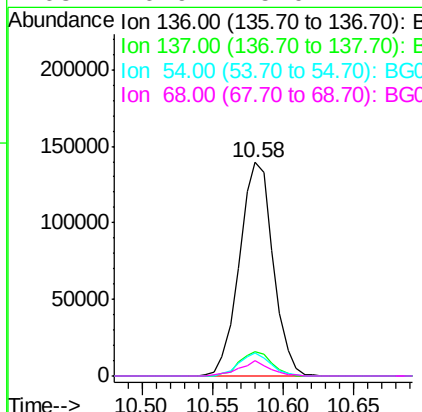
RT: 10.58 min Scan# 1343

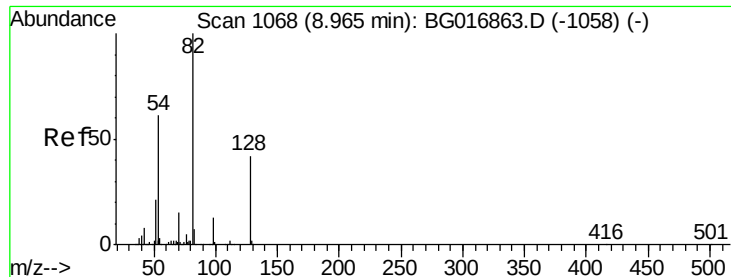
Delta R.T. -0.02 min

Lab File: BG017002.D

Acq: 9 May 2015 22:41

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 231848 |       |       |
| 137     | 11.5  | 9.8    | 14.8  |       |
| 54      | 10.6  | 8.7    | 13.1  |       |
| 68      | 6.9   | 5.0    | 7.4   |       |





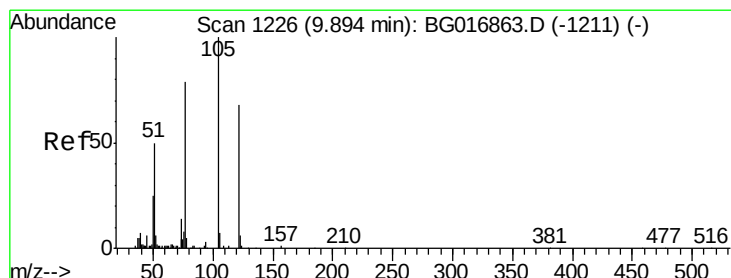
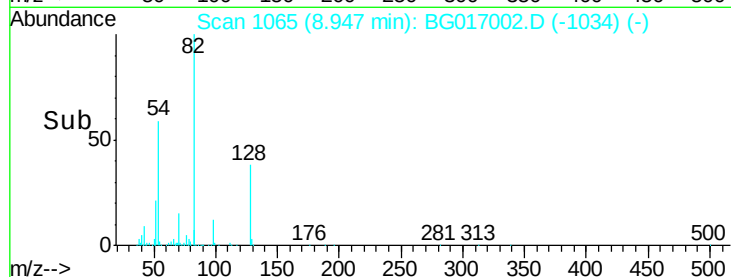
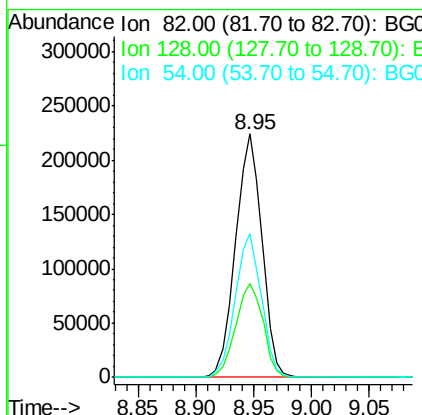
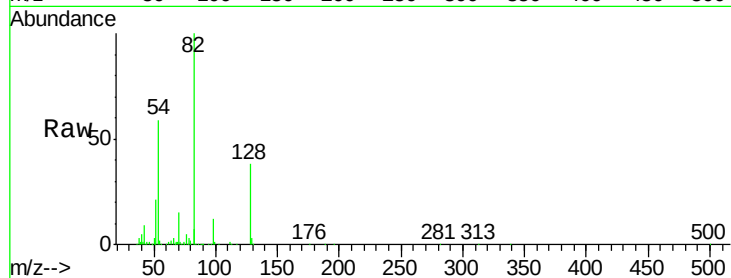
#23  
 Nitrobenzene-d5  
 Concen: 74.62 ng  
 RT: 8.95 min Scan# 1065  
 Delta R.T. -0.02 min  
 Lab File: BG017002.D  
 Acq: 9 May 2015 22:41

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TU021-SB-11-6.0

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 354139 |       |       |
| 128     | 38.5  | 33.2   | 49.8  |       |
| 54      | 59.1  | 48.6   | 72.8  |       |

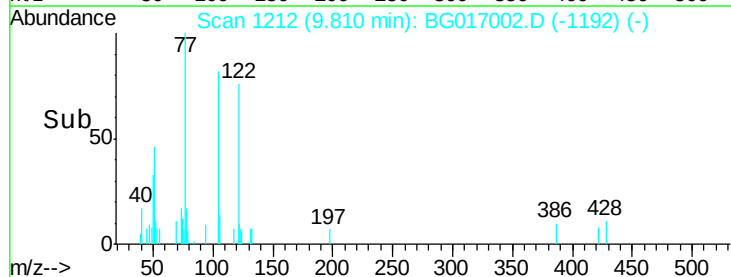
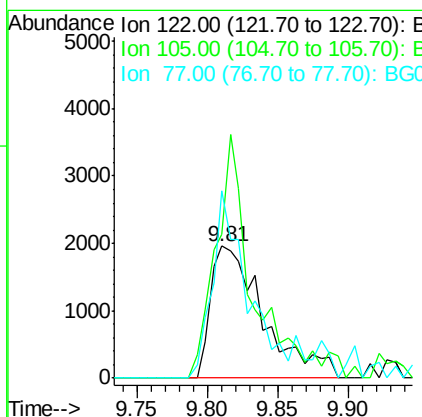
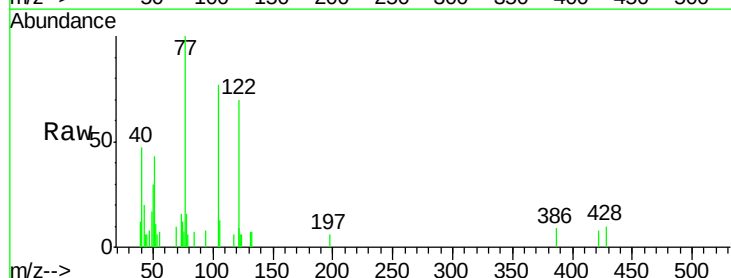
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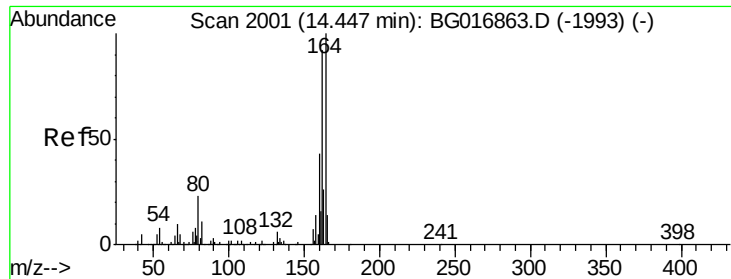
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#32  
 Benzoic acid  
 Concen: 3.24 ng m  
 RT: 9.81 min Scan# 1212  
 Delta R.T. -0.08 min  
 Lab File: BG017002.D  
 Acq: 9 May 2015 22:41

| Tgt Ion | Ratio | Resp  | Lower  | Upper |
|---------|-------|-------|--------|-------|
| 122     | 100   | 5121  |        |       |
| 105     | 109.2 | 123.2 | 163.2# |       |
| 77      | 142.4 | 93.0  | 133.0# |       |





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.43 min Scan# 1998

Delta R.T. -0.02 min

Lab File: BG017002.D

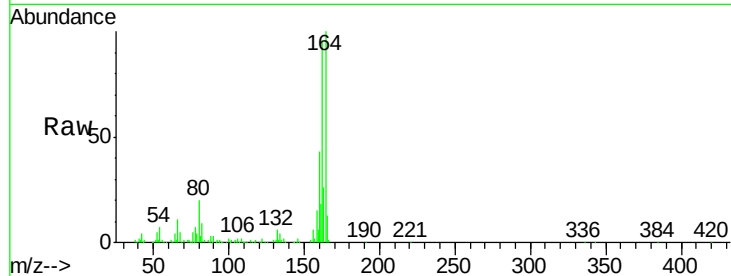
Acq: 9 May 2015 22:41

Instrument :

BNA\_G

ClientSampleId :

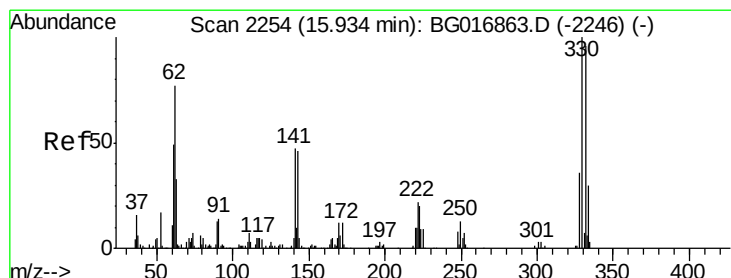
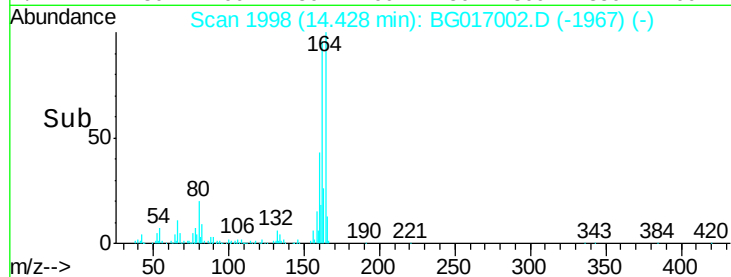
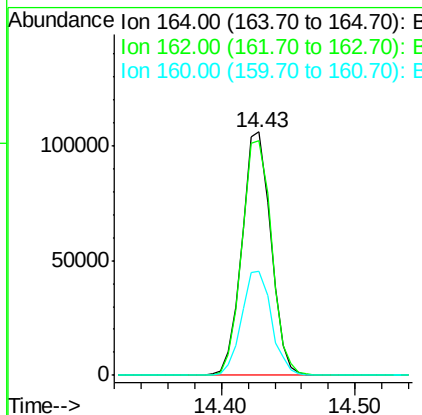
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| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 164     | 100   |      |       |       |
| 162     | 96.2  | 74.0 | 111.0 |       |
| 160     | 42.9  | 34.7 | 52.1  |       |

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#41

2,4,6-Tribromophenol

Concen: 141.70 ng

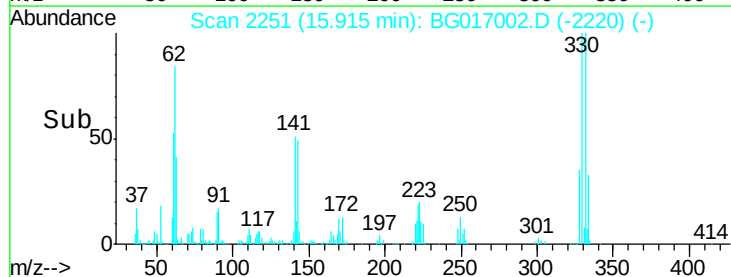
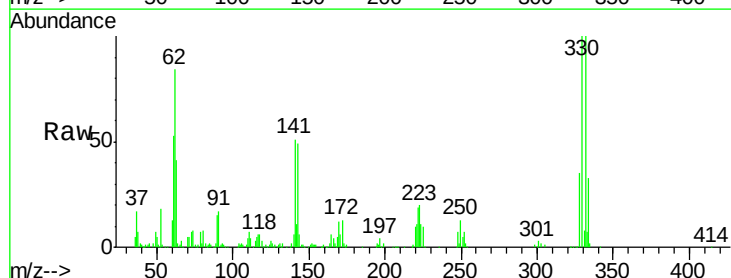
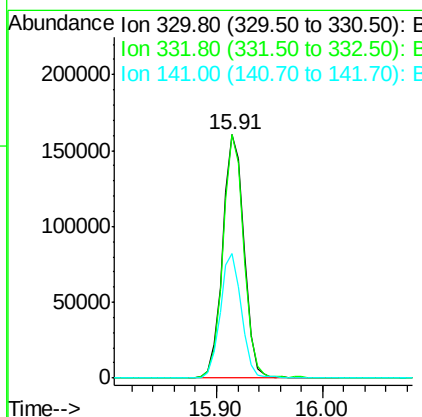
RT: 15.91 min Scan# 2251

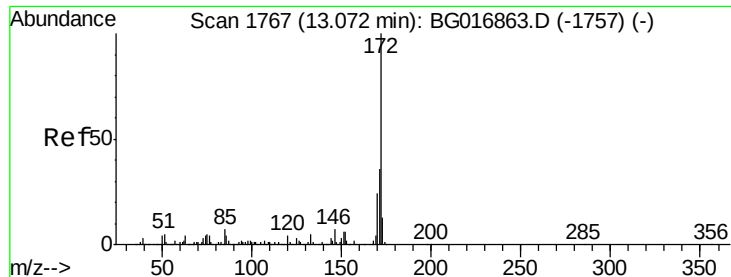
Delta R.T. -0.02 min

Lab File: BG017002.D

Acq: 9 May 2015 22:41

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 96.9  | 0.0  | 0.0#  |       |
| 141     | 51.3  | 0.0  | 0.0#  |       |





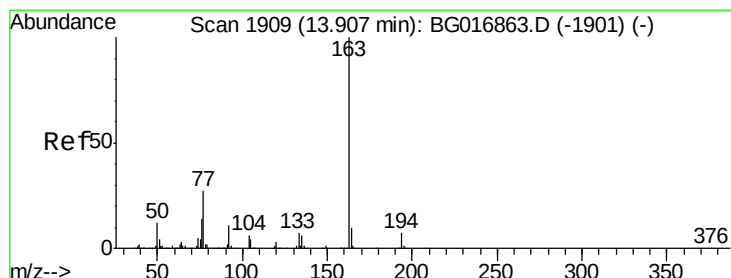
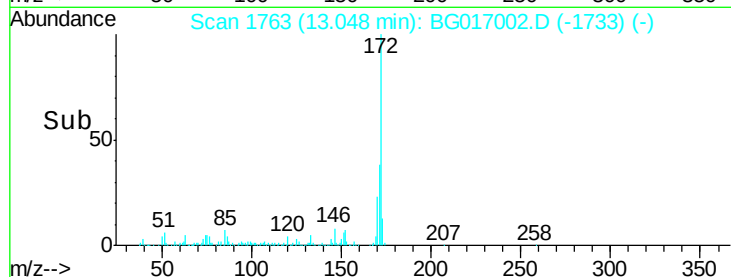
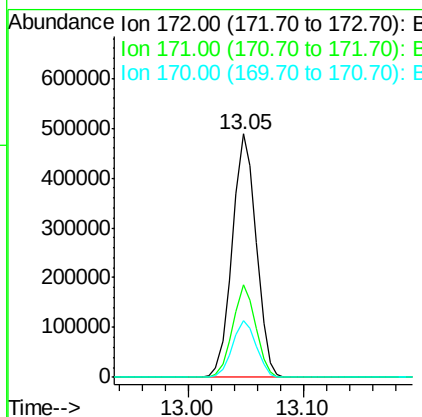
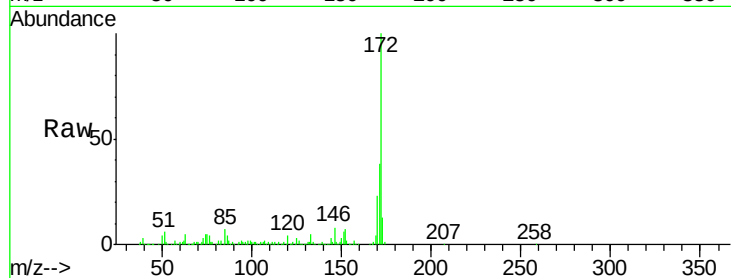
#44  
2-Fluorobiphenyl  
Concen: 66.98 ng  
RT: 13.05 min Scan# 1763  
Delta R.T. -0.02 min  
Lab File: BG017002.D  
Acq: 9 May 2015 22:41

Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-11-6.0

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 702411 |       |       |
| 171     | 37.9  | 29.0   | 43.4  |       |
| 170     | 23.2  | 19.0   | 28.4  |       |

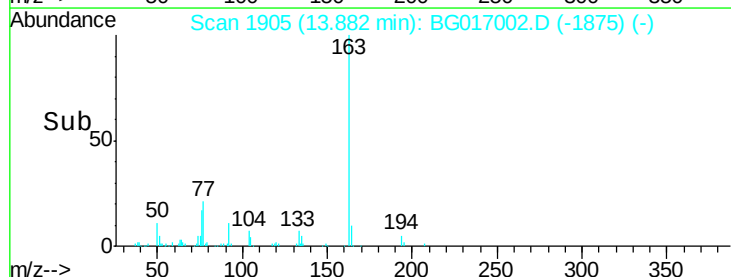
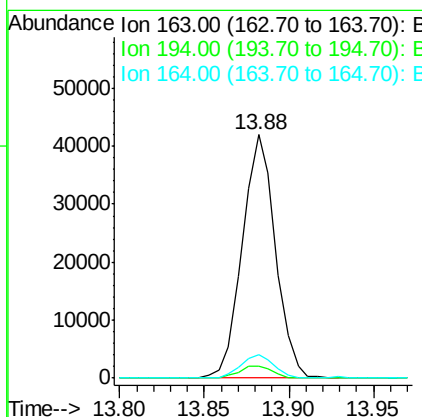
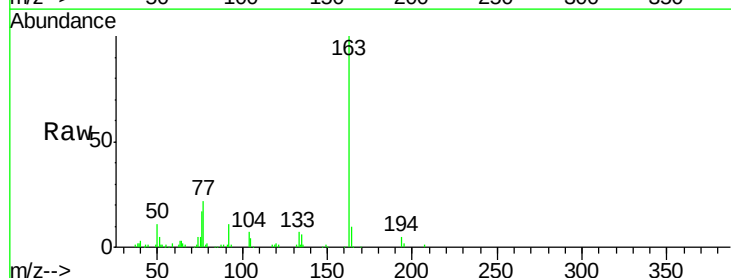
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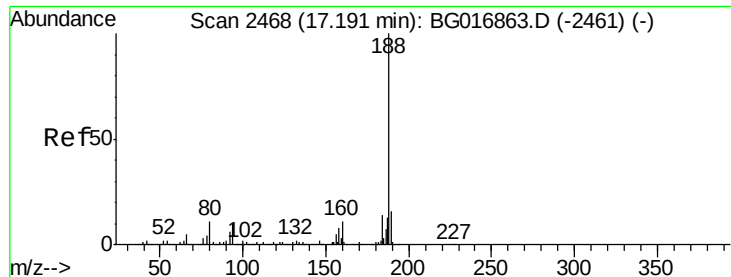
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#49  
Dimethylphthalate  
Concen: 4.85 ng  
RT: 13.88 min Scan# 1905  
Delta R.T. -0.02 min  
Lab File: BG017002.D  
Acq: 9 May 2015 22:41

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 163     | 100   | 57310 |       |       |
| 194     | 4.8   | 5.2   | 7.8#  |       |
| 164     | 9.7   | 8.4   | 12.6  |       |





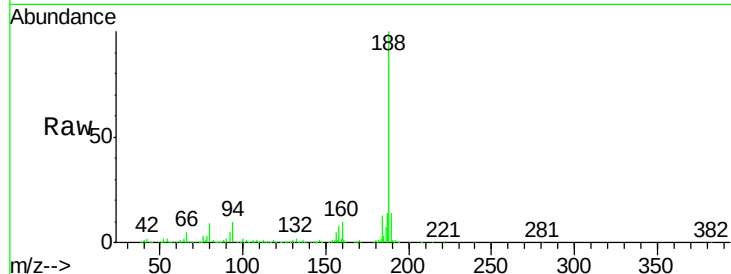
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.17 min Scan# 2465  
Delta R.T. -0.02 min  
Lab File: BG017002.D  
Acq: 9 May 2015 22:41

Instrument :  
BNA\_G  
ClientSampleId :  
TU021-SB-11-6.0

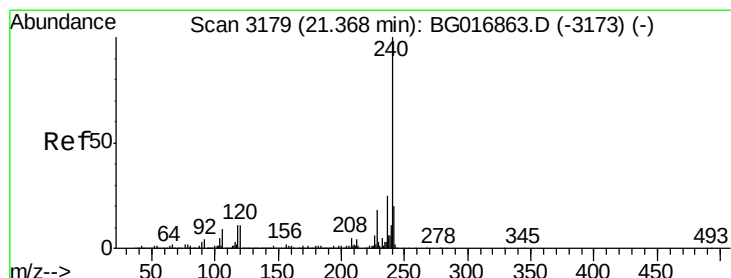
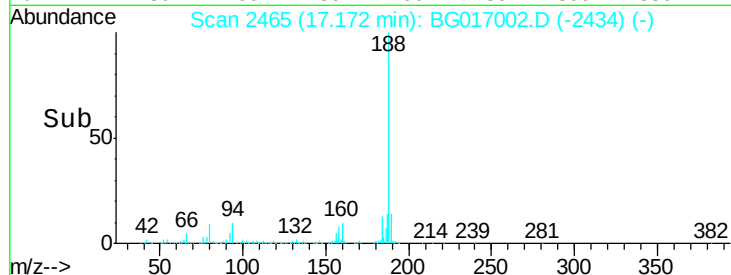
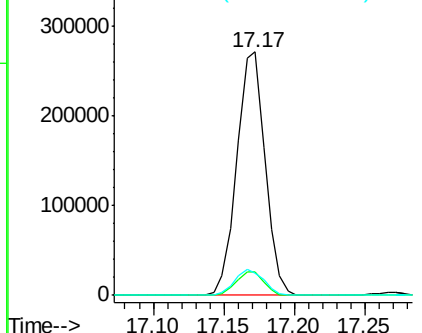
| Tgt | Ion | Ratio | Resp   | Lower | Upper |
|-----|-----|-------|--------|-------|-------|
| 188 | 100 |       | 378925 |       |       |
| 94  | 9.5 |       | 8.2    | 12.4  |       |
| 80  | 9.3 |       | 8.8    | 13.2  |       |

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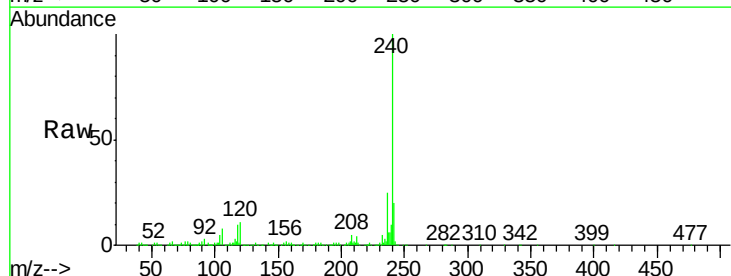


Abundance Ion 188.00 (187.70 to 188.70): E  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC

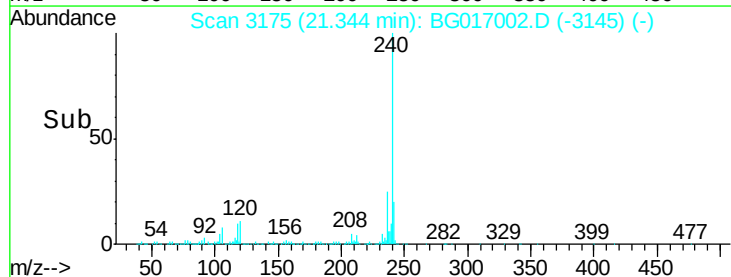
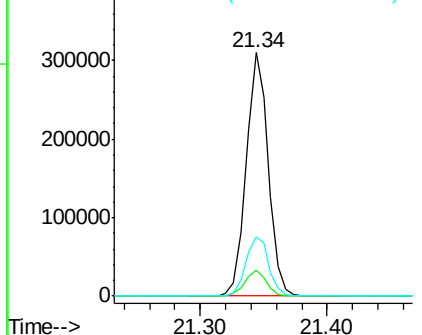


#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.34 min Scan# 3175  
Delta R.T. -0.02 min  
Lab File: BG017002.D  
Acq: 9 May 2015 22:41

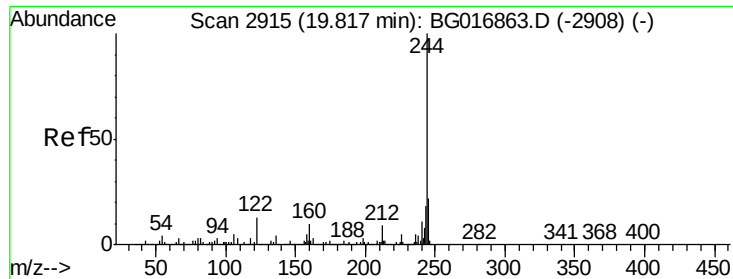
| Tgt | Ion  | Ratio | Resp   | Lower | Upper |
|-----|------|-------|--------|-------|-------|
| 240 | 100  |       | 371975 |       |       |
| 120 | 10.6 |       | 9.1    | 13.7  |       |
| 236 | 24.6 |       | 20.2   | 30.4  |       |



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







#78

Terphenyl-d14

Concen: 72.30 ng

RT: 19.80 min Scan# 2912

Delta R.T. -0.02 min

Lab File: BG017002.D

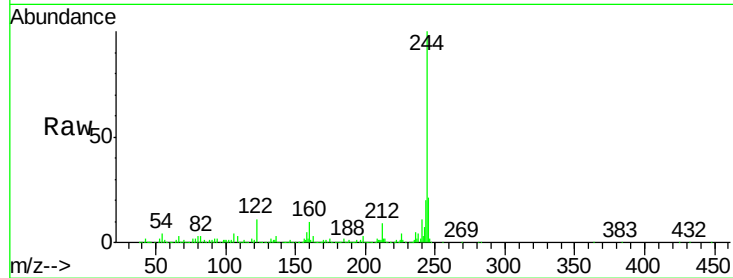
Acq: 9 May 2015 22:41

Instrument :

BNA\_G

ClientSampleId :

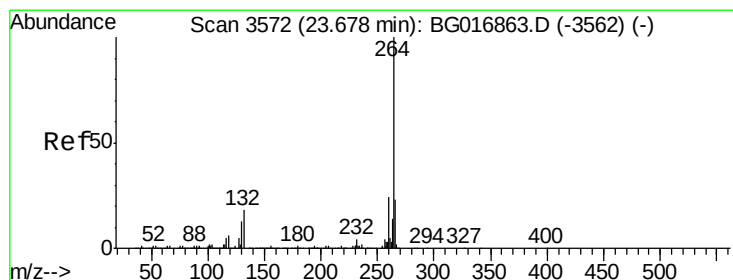
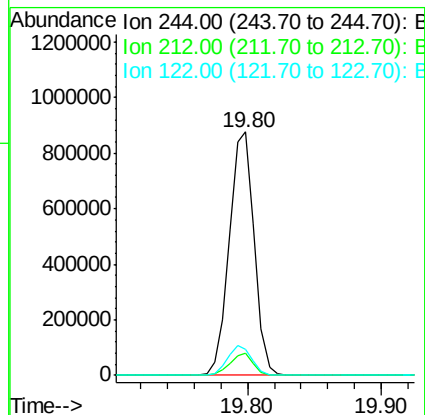
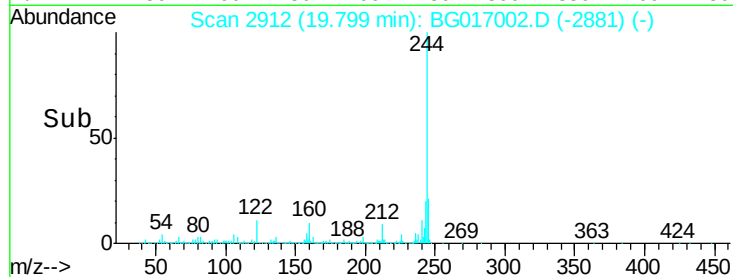
TU021-SB-11-6.0



|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 244   | Resp: | 1147187 |
| Ion Ratio | Lower | Upper |         |
| 244       | 100   |       |         |
| 212       | 8.9   | 7.0   | 10.6    |
| 122       | 10.6  | 10.4  | 15.6    |

Manual Integrations  
APPROVED

apatel  
5/19/2015 9:23:29 AM



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.64 min Scan# 3566

Delta R.T. -0.04 min

Lab File: BG017002.D

Acq: 9 May 2015 22:41

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 264   | Resp: | 363255 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.6  | 19.5  | 29.3   |
| 265       | 22.1  | 18.5  | 27.7   |

