

Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041715\  
 Data File : BG016531.D  
 Acq On : 18 Apr 2015 21:23  
 Operator : TP/IZ  
 Sample : G1845-02 5X  
 Misc :  
 ALS Vial : 40 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EFFWW

Manual Integrations  
 APPROVED

apatel  
 4/20/2015 3:59:49 PM

Quant Time: Apr 20 04:24:20 2015  
 Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Apr 20 03:57:28 2015  
 Response via : Initial Calibration

| Internal Standards          | R.T.  | QIon | Response | Conc   | Units | Dev(Min)  |
|-----------------------------|-------|------|----------|--------|-------|-----------|
| 1) 1,4-Dichlorobenzene-d4   | 7.66  | 152  | 76039    | 20.00  | ng    | 0.00      |
| 21) Naphthalene-d8          | 10.44 | 136  | 345279   | 20.00  | ng    | 0.00      |
| 38) Acenaphthene-d10        | 14.30 | 164  | 201071   | 20.00  | ng    | 0.00      |
| 63) Phenanthrene-d10        | 17.04 | 188  | 396780   | 20.00  | ng    | 0.00      |
| 75) Chrysene-d12            | 21.22 | 240  | 336995   | 20.00  | ng    | 0.00      |
| 86) Perylene-d12            | 23.45 | 264  | 313285   | 20.00  | ng    | 0.00      |
| System Monitoring Compounds |       |      |          |        |       |           |
| 5) 2-Fluorophenol           | 5.25  | 112  | 37851    | 7.86   | ng    | 0.00      |
| 7) Phenol-d6                | 6.86  | 99   | 33646    | 4.65   | ng    | 0.02      |
| 23) Nitrobenzene-d5         | 8.82  | 82   | 75381    | 12.65  | ng    | 0.00      |
| 41) 2,4,6-Tribromophenol    | 15.80 | 330  | 17630    | 12.96  | ng    | 0.00      |
| 44) 2-Fluorobiphenyl        | 12.92 | 172  | 171771   | 14.54  | ng    | 0.00      |
| 78) Terphenyl-d14           | 19.67 | 244  | 182110   | 12.65  | ng    | 0.00      |
| Target Compounds            |       |      |          |        |       |           |
| 3) Pyridine                 | 3.53  | 79   | 64615    | 9.87   | ng    | Qvalue 96 |
| 6) Aniline                  | 7.02  | 93   | 4397195  | 425.68 | ng    | # 62      |
| 13) 1,4-Dichlorobenzene     | 7.69  | 146  | 20663    | 3.41   | ng    | 95        |
| 14) 1,2-Dichlorobenzene     | 8.01  | 146  | 122729   | 21.17  | ng    | 97        |
| 20) 3+4-Methylphenols       | 8.46  | 107  | 14468    | 2.01   | ng    | # 49      |
| 24) Nitrobenzene            | 8.88  | 77   | 2408437  | 377.87 | ng    | # 85      |

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

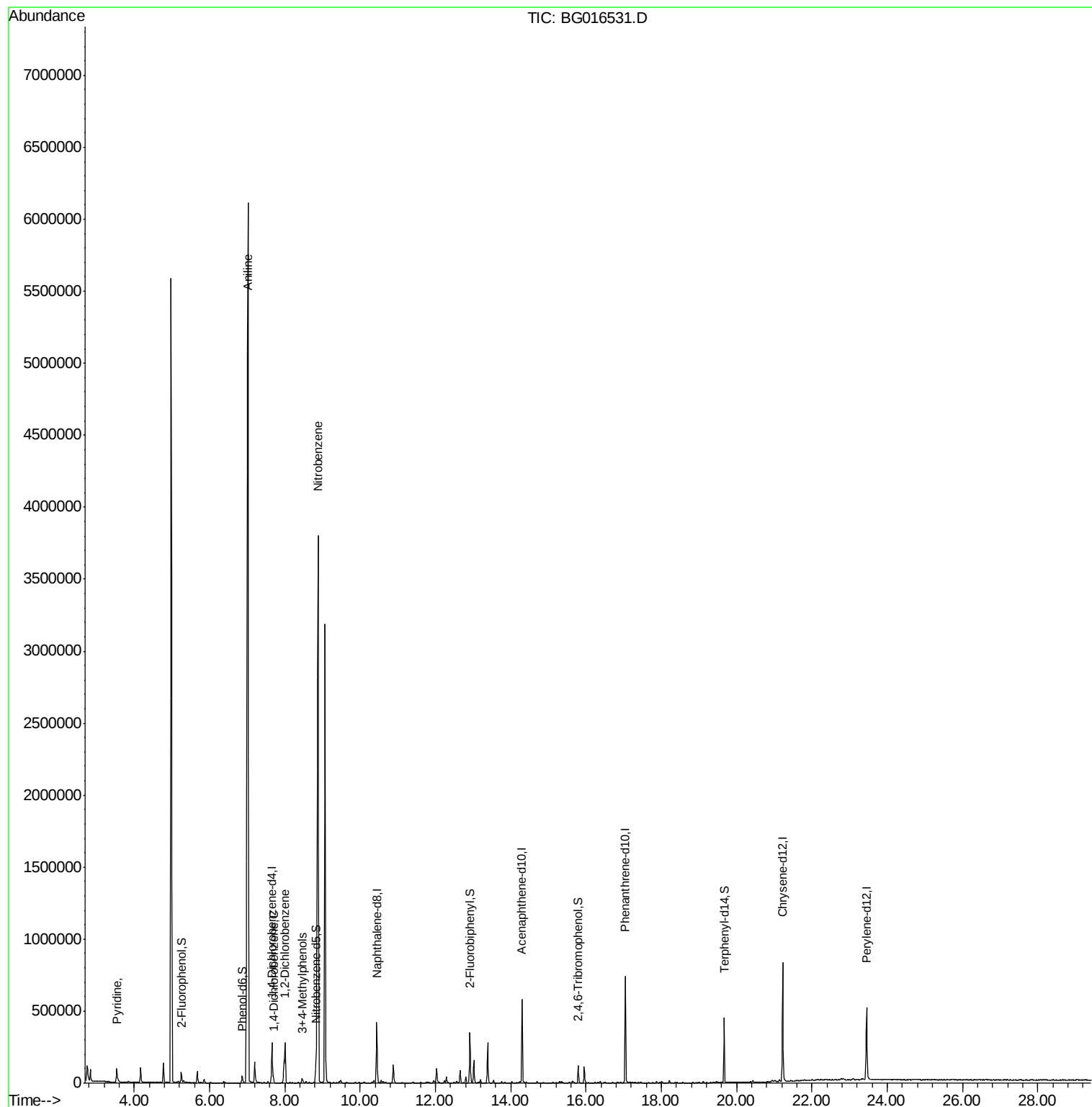
Data Path : Z:\HPCHEM1\BNA\_G\DATA\BG041715\  
Data File : BG016531.D  
Acq On : 18 Apr 2015 21:23  
Operator : TP/IZ  
Sample : G1845-02 5X  
Misc :  
ALS Vial : 40 Sample Multiplier: 1

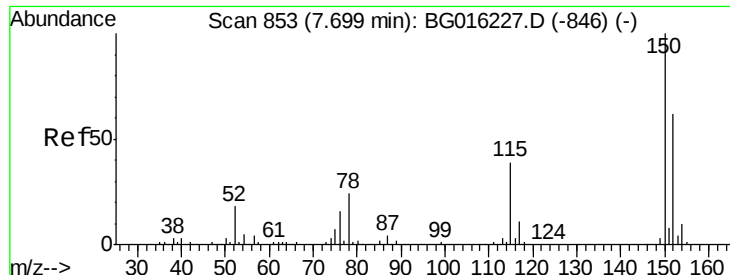
Instrument :  
BNA\_G  
ClientSampleId :  
EFFWW

Manual Integrations  
APPROVED

apatel  
4/20/2015 3:59:49 PM

Quant Time: Apr 20 04:24:20 2015  
Quant Method : Z:\HPCHEM1\BNA\_G\METHODS\8270-BG040615.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Mon Apr 20 03:57:28 2015  
Response via : Initial Calibration





#1

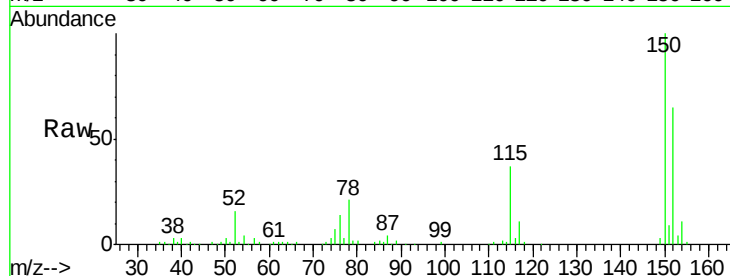
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 7.66 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BG016531.D  
Acq: 18 Apr 2015 21:23

Instrument :  
BNA\_G  
ClientSampled :  
EFFWW

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 154.4 | 130.1 | 195.1 |
| 115     | 57.0  | 50.5  | 75.7  |

Manual Integrations  
APPROVED

apatel  
4/20/2015 3:59:49 PM

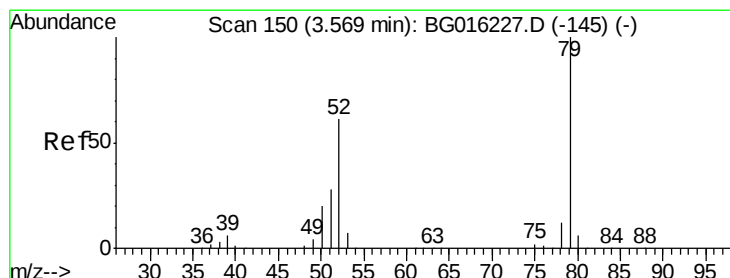
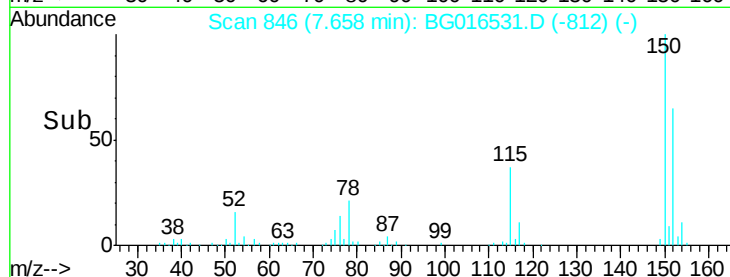
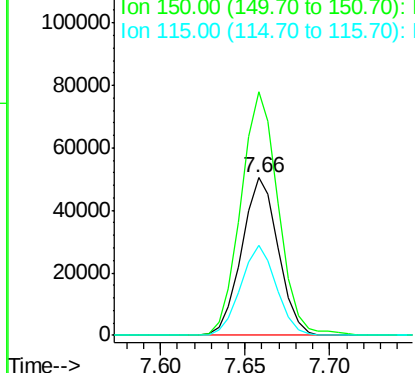


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

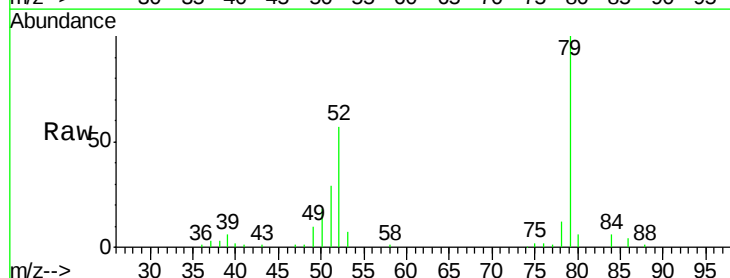
Ion 115.00 (114.70 to 115.70): E



#3

Pyridine  
Concen: 9.87 ng  
RT: 3.53 min Scan# 143  
Delta R.T. -0.00 min  
Lab File: BG016531.D  
Acq: 18 Apr 2015 21:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 56.8  | 49.0  | 73.4  |
| 51      | 28.7  | 22.5  | 33.7  |

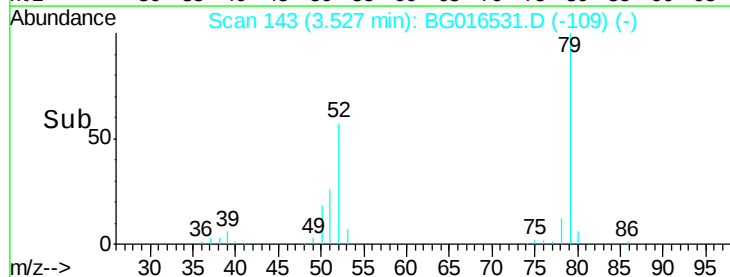
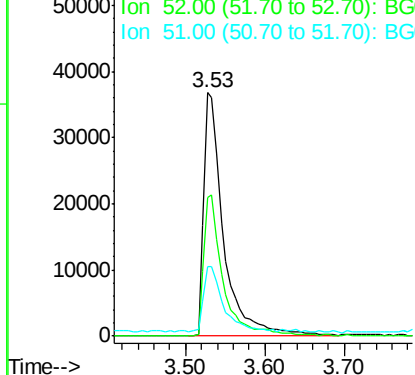


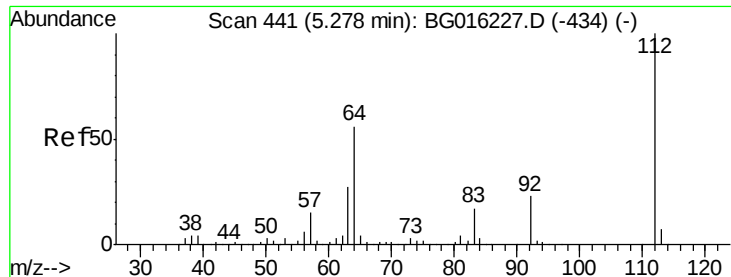
Abundance

Ion 79.00 (78.70 to 79.70): BGC

Ion 52.00 (51.70 to 52.70): BGC

Ion 51.00 (50.70 to 51.70): BGC





#5

2-Fluorophenol

Concen: 7.86 ng

RT: 5.25 min Scan# 436

Delta R.T. -0.00 min

Lab File: BG016531.D

Acq: 18 Apr 2015 21:23

Instrument :

BNA\_G

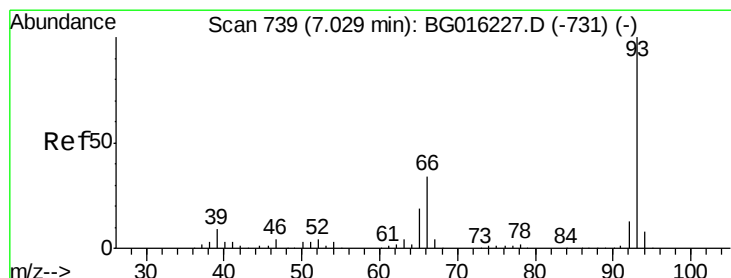
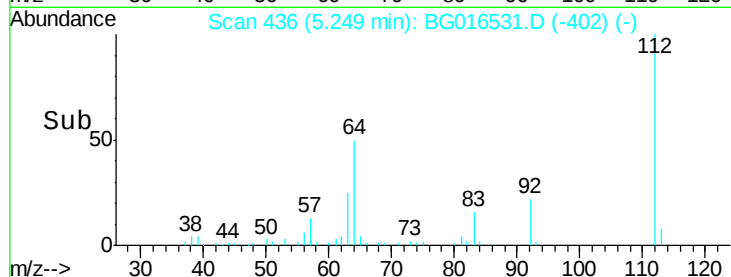
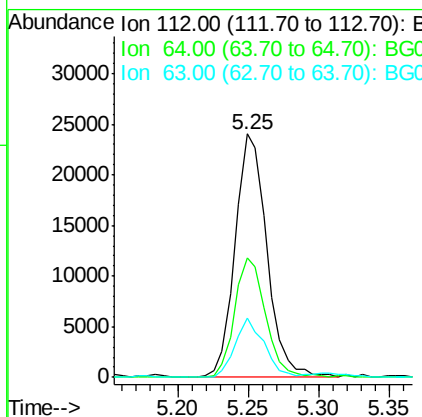
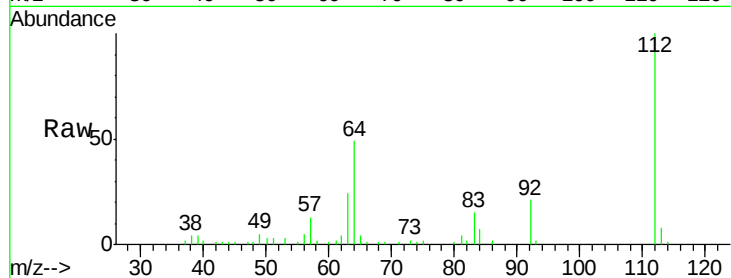
ClientSampleId :

EFFWW

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 112   | Resp: | 37851 |
| Ion Ratio | Lower | Upper |       |
| 112       | 100   |       |       |
| 64        | 48.9  | 44.5  | 66.7  |
| 63        | 24.2  | 21.4  | 32.0  |

Manual Integrations  
APPROVED

apatel  
4/20/2015 3:59:49 PM



#6

Aniline

Concen: 425.68 ng

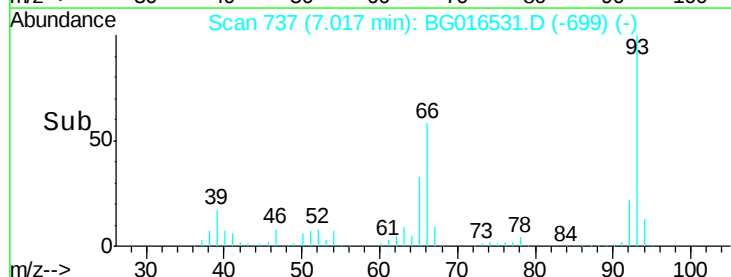
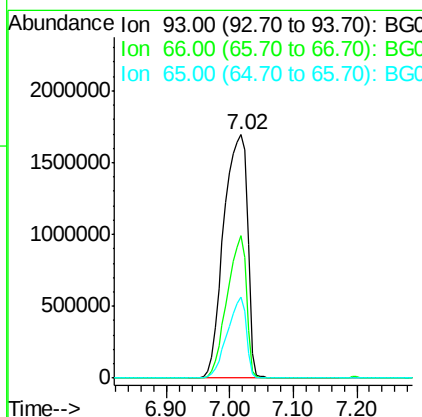
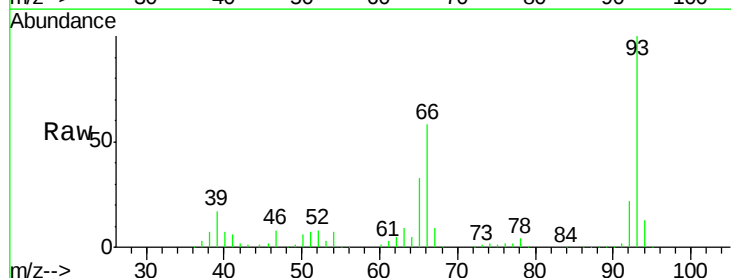
RT: 7.02 min Scan# 737

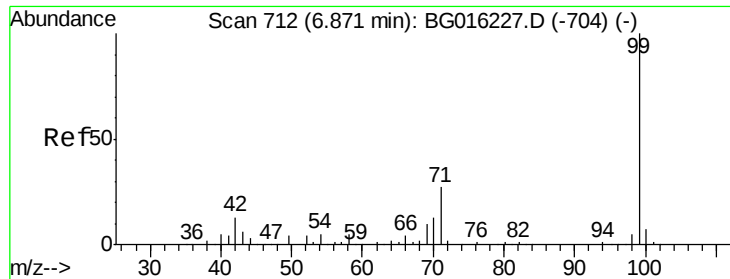
Delta R.T. 0.02 min

Lab File: BG016531.D

Acq: 18 Apr 2015 21:23

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 93    | Resp: | 4397195 |
| Ion Ratio | Lower | Upper |         |
| 93        | 100   |       |         |
| 66        | 58.4  | 27.5  | 41.3#   |
| 65        | 33.4  | 15.1  | 22.7#   |





#7

Phenol-d6

Concen: 4.65 ng

RT: 6.86 min Scan# 711

Delta R.T. 0.02 min

Lab File: BG016531.D

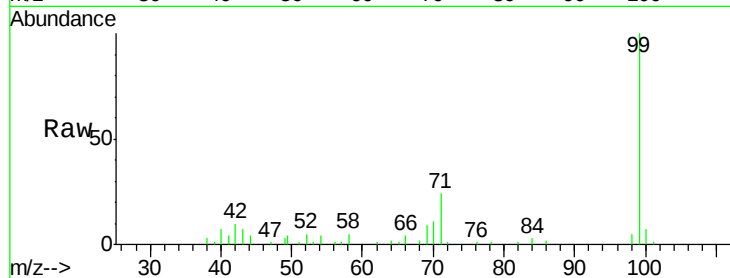
Acq: 18 Apr 2015 21:23

Instrument :

BNA\_G

ClientSampleId :

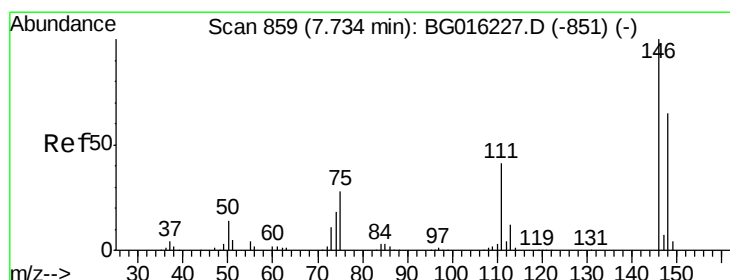
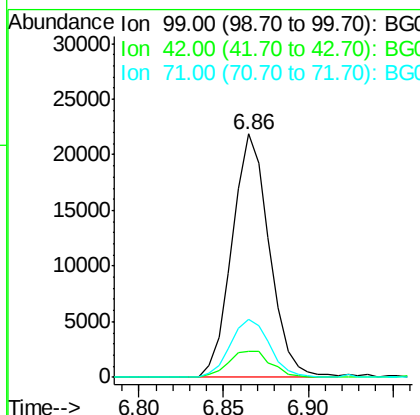
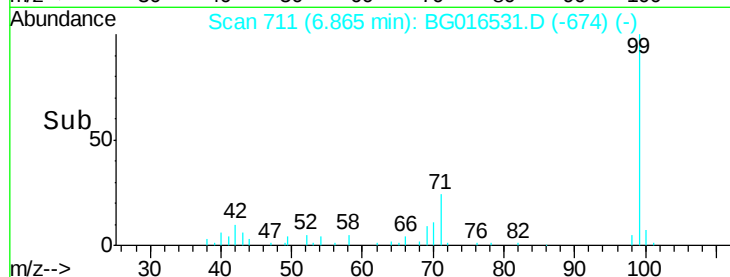
EFFWW



| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 99      | 100   | 33646 |       |       |
| 42      | 10.5  | 10.0  | 15.0  |       |
| 71      | 23.6  | 21.5  | 32.3  |       |

Manual Integrations  
APPROVED

apatel  
4/20/2015 3:59:49 PM



#13

1,4-Dichlorobenzene

Concen: 3.41 ng

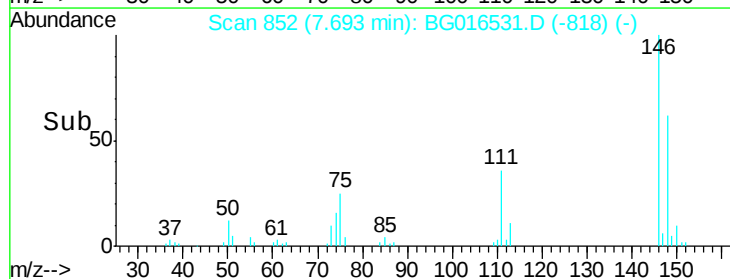
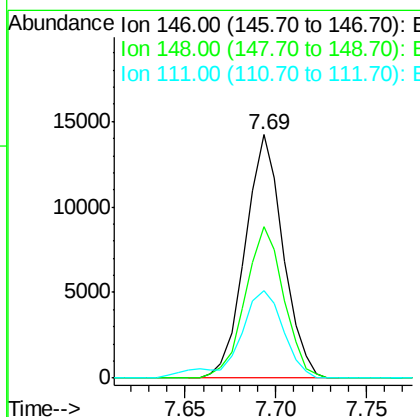
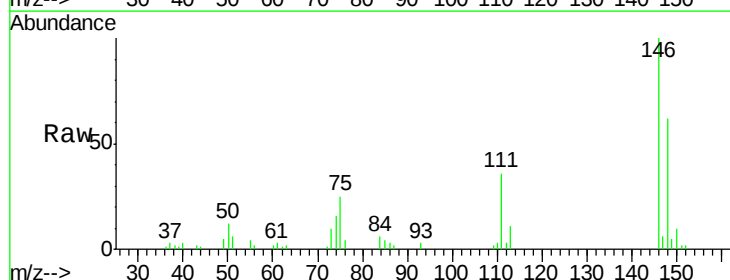
RT: 7.69 min Scan# 852

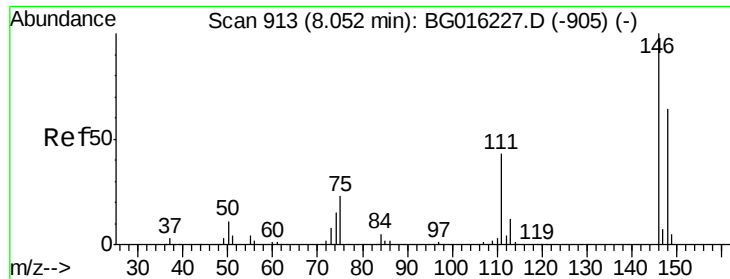
Delta R.T. -0.00 min

Lab File: BG016531.D

Acq: 18 Apr 2015 21:23

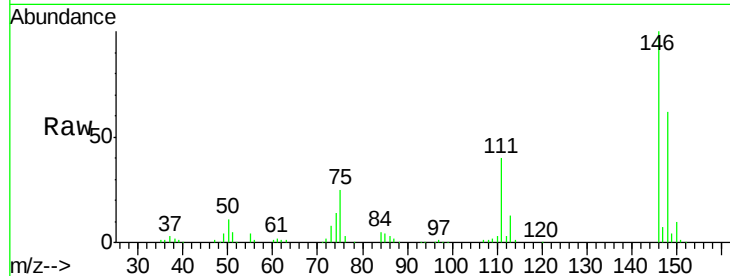
| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 146     | 100   | 20663 |       |       |
| 148     | 62.1  | 52.0  | 78.0  |       |
| 111     | 36.2  | 32.6  | 49.0  |       |





#14  
 1,2-Dichlorobenzene  
 Concen: 21.17 ng  
 RT: 8.01 min Scan# 906  
 Delta R.T. -0.00 min  
 Lab File: BG016531.D  
 Acq: 18 Apr 2015 21:23

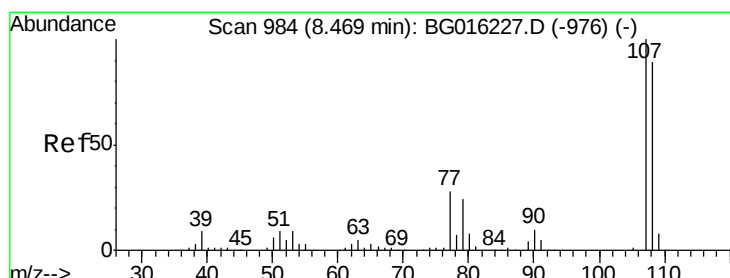
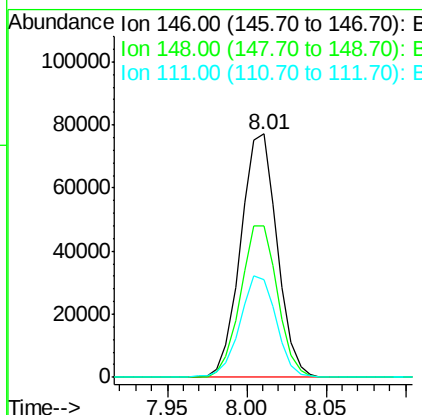
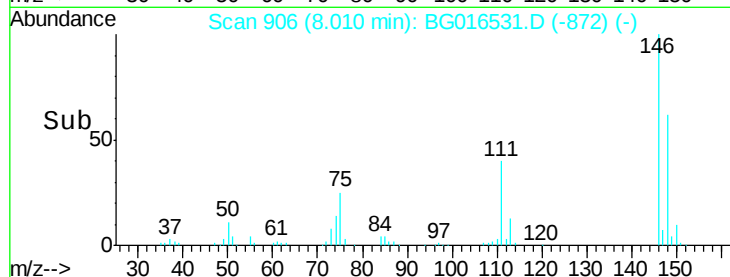
Instrument :  
 BNA\_G  
 ClientSampled :  
 EFFWW



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 122729 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.5  | 50.9  | 76.3   |
| 111       | 40.2  | 34.7  | 52.1   |

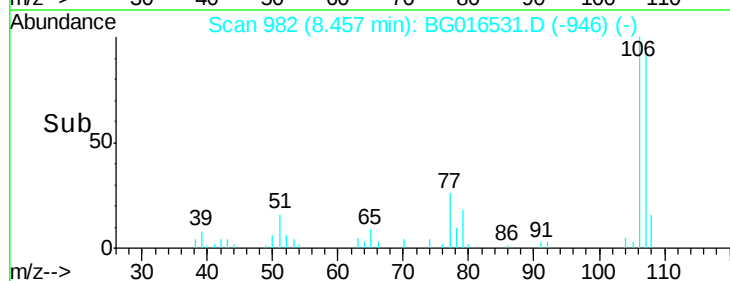
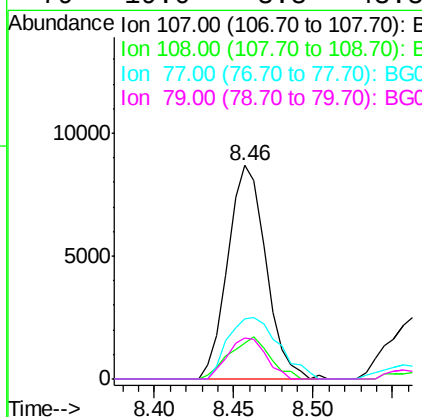
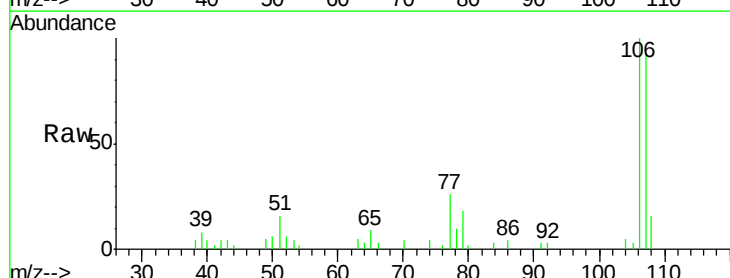
Manual Integrations  
 APPROVED

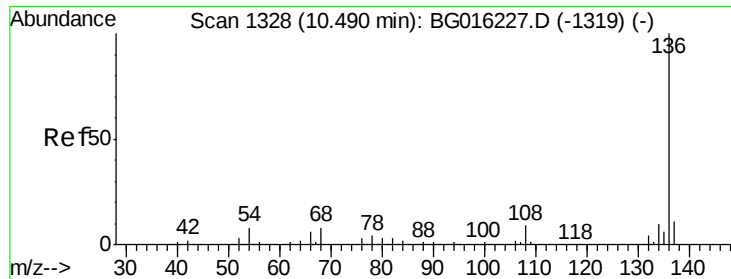
apatel  
 4/20/2015 3:59:49 PM



#20  
 3+4-Methylphenols  
 Concen: 2.01 ng  
 RT: 8.46 min Scan# 982  
 Delta R.T. 0.01 min  
 Lab File: BG016531.D  
 Acq: 18 Apr 2015 21:23

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 14468  |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 16.7  | 69.5  | 109.5# |
| 77        | 28.0  | 8.2   | 48.2   |
| 79        | 19.0  | 3.8   | 43.8   |





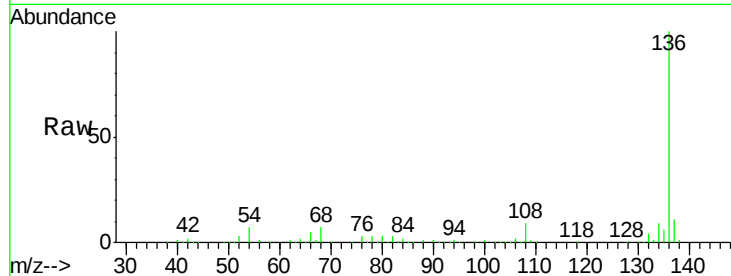
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 10.44 min Scan# 1320  
Delta R.T. -0.00 min  
Lab File: BG016531.D  
Acq: 18 Apr 2015 21:23

Instrument :  
BNA\_G  
ClientSampleId :  
EFFWW

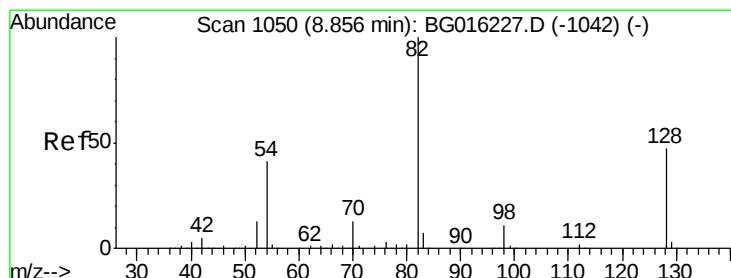
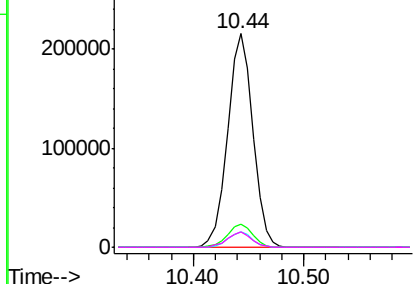
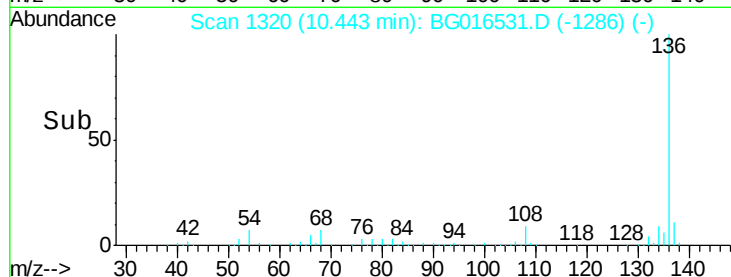
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 345279 |       |       |
| 137     | 10.8  | 8.7    | 13.1  |       |
| 54      | 7.0   | 6.3    | 9.5   |       |
| 68      | 7.1   | 6.5    | 9.7   |       |

Manual Integrations  
APPROVED

apatel  
4/20/2015 3:59:49 PM

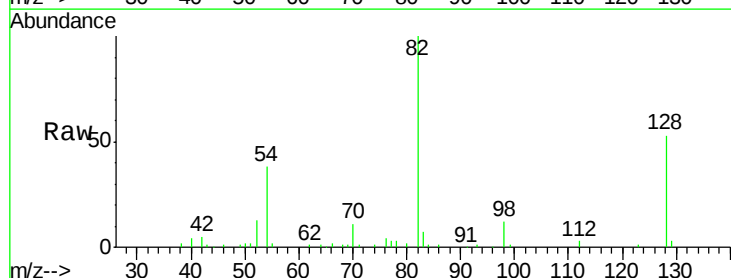


Abundance Ion 136.00 (135.70 to 136.70): BGC  
Ion 137.00 (136.70 to 137.70): BGC  
Ion 54.00 (53.70 to 54.70): BGC  
Ion 68.00 (67.70 to 68.70): BGC

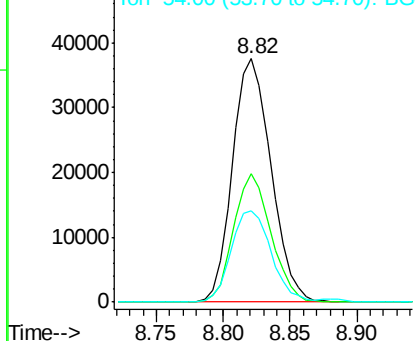
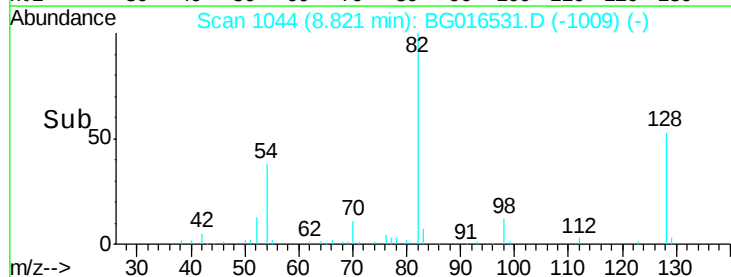


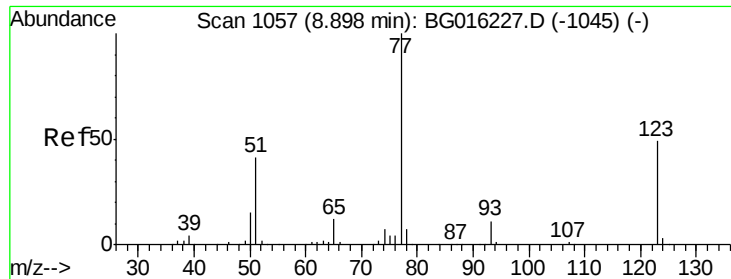
#23  
Nitrobenzene-d5  
Concen: 12.65 ng  
RT: 8.82 min Scan# 1044  
Delta R.T. 0.01 min  
Lab File: BG016531.D  
Acq: 18 Apr 2015 21:23

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 82      | 100   | 75381 |       |       |
| 128     | 52.8  | 37.8  | 56.8  |       |
| 54      | 37.6  | 32.6  | 49.0  |       |



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





#24

Nitrobenzene

Concen: 377.87 ng

RT: 8.88 min Scan# 1054

Delta R.T. 0.02 min

Lab File: BG016531.D

Acq: 18 Apr 2015 21:23

Instrument :

BNA\_G

ClientSampleId :

EFFWW

Tgt Ion: 77 Resp: 2408437  
Ion Ratio Lower Upper

77 100

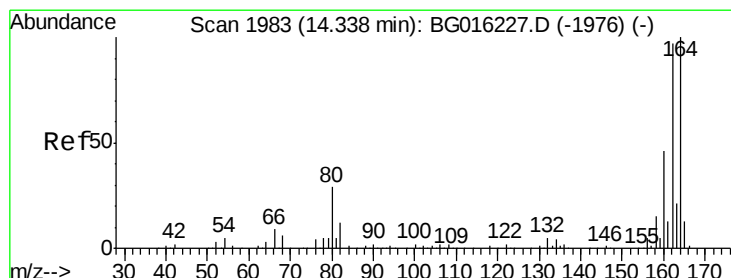
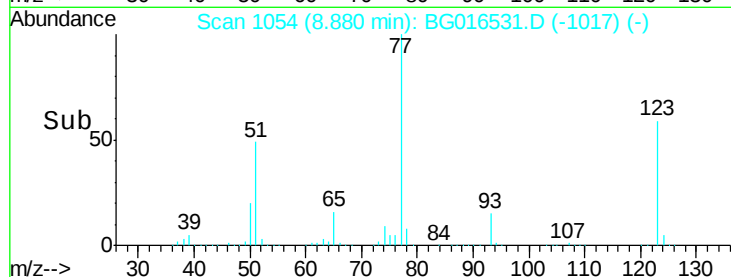
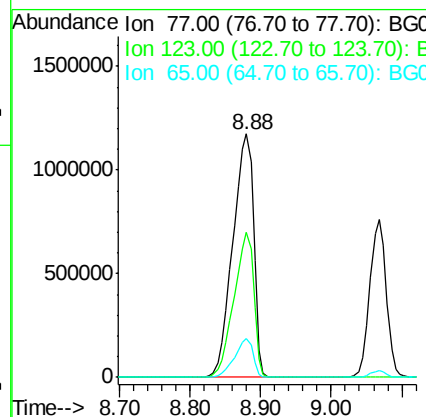
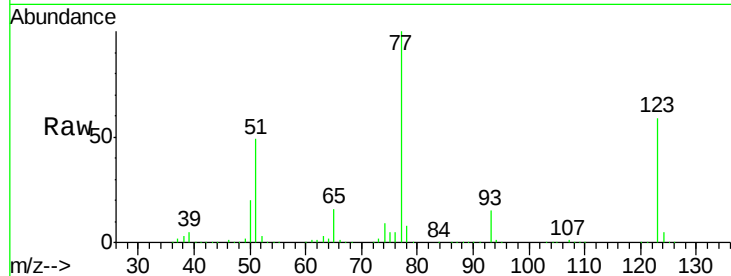
123 59.4 38.8 58.2#

65 15.9 9.4 14.2#

Manual Integrations  
APPROVED

apatel

4/20/2015 3:59:49 PM



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.30 min Scan# 1976

Delta R.T. -0.01 min

Lab File: BG016531.D

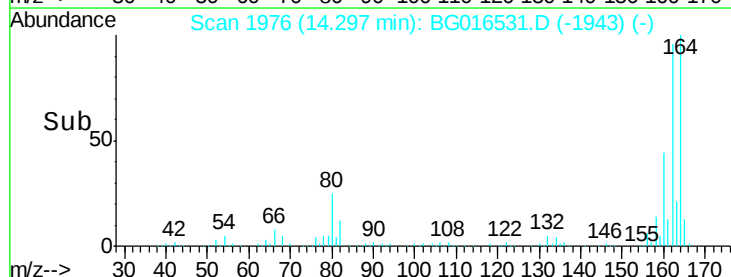
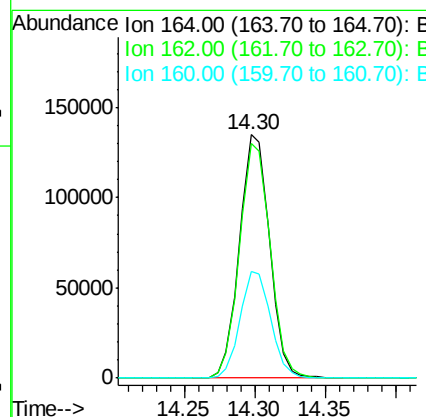
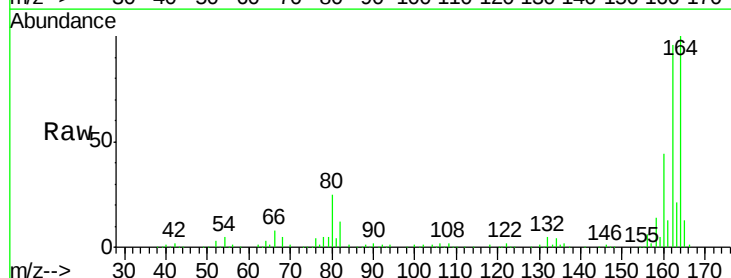
Acq: 18 Apr 2015 21:23

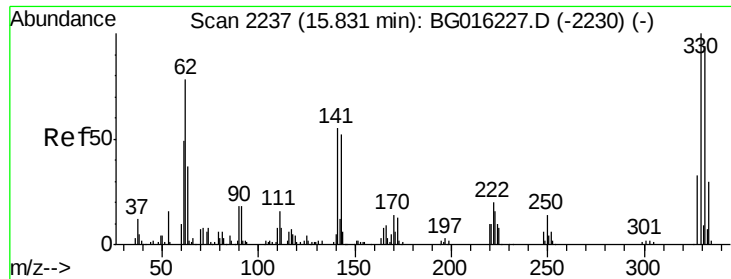
Tgt Ion: 164 Resp: 201071  
Ion Ratio Lower Upper

164 100

162 96.4 77.3 115.9

160 43.6 36.7 55.1





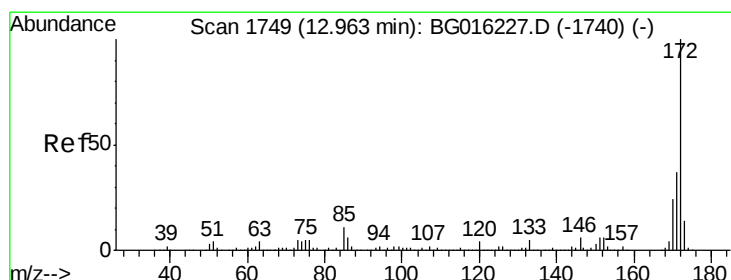
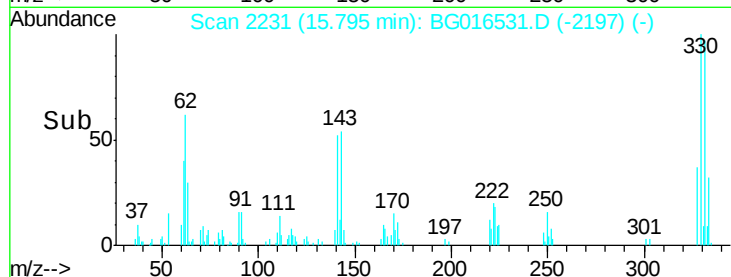
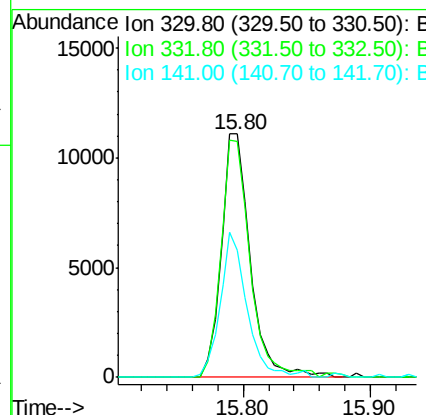
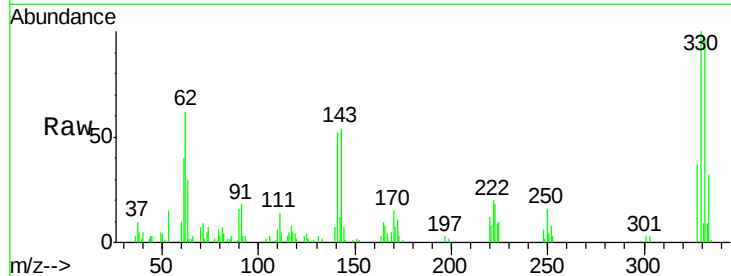
#41  
 2,4,6-Tribromophenol  
 Concen: 12.96 ng  
 RT: 15.80 min Scan# 2231  
 Delta R.T. -0.00 min  
 Lab File: BG016531.D  
 Acq: 18 Apr 2015 21:23

Instrument :  
 BNA\_G  
 ClientSampleId :  
 EFFWW

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 17630 |       |       |
| 332     | 98.0  | 75.8  | 113.6 |       |
| 141     | 55.4  | 46.6  | 69.8  |       |

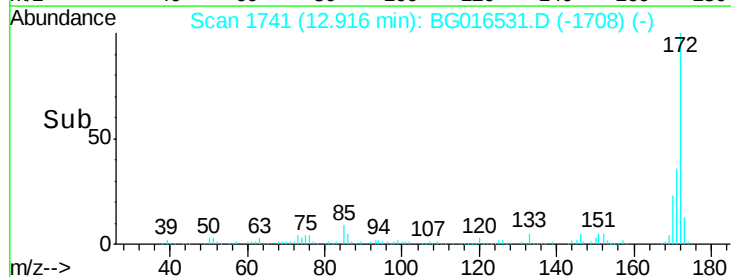
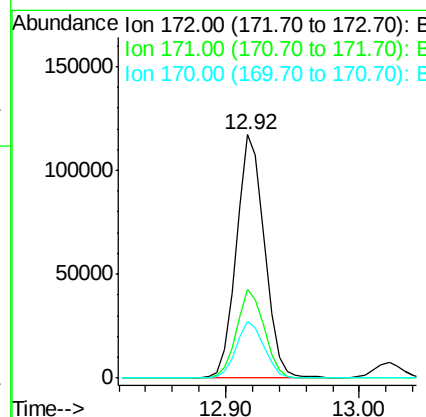
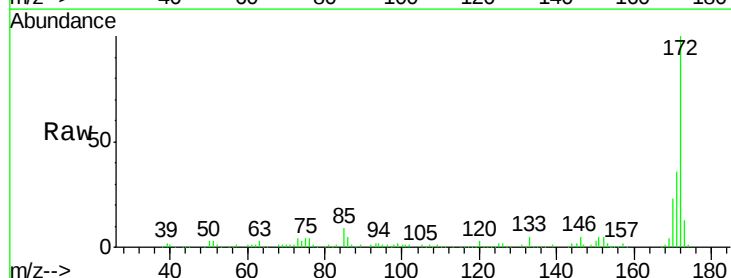
Manual Integrations  
 APPROVED

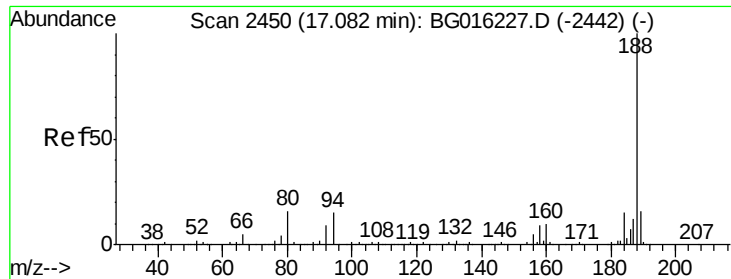
apatel  
 4/20/2015 3:59:49 PM



#44  
 2-Fluorobiphenyl  
 Concen: 14.54 ng  
 RT: 12.92 min Scan# 1741  
 Delta R.T. -0.01 min  
 Lab File: BG016531.D  
 Acq: 18 Apr 2015 21:23

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 172     | 100   | 171771 |       |       |
| 171     | 36.3  | 29.6   | 44.4  |       |
| 170     | 23.4  | 19.4   | 29.2  |       |





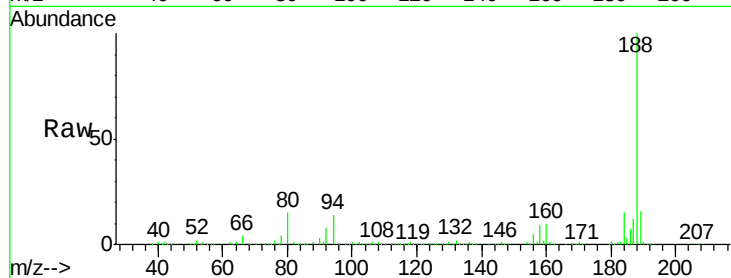
#63  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.04 min Scan# 2443  
Delta R.T. -0.01 min  
Lab File: BG016531.D  
Acq: 18 Apr 2015 21:23

Instrument :  
BNA\_G  
ClientSampleId :  
EFFWW

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 396780 |       |       |
| 94      | 14.3  | 12.2   | 18.4  |       |
| 80      | 14.9  | 12.8   | 19.2  |       |

Manual Integrations  
APPROVED

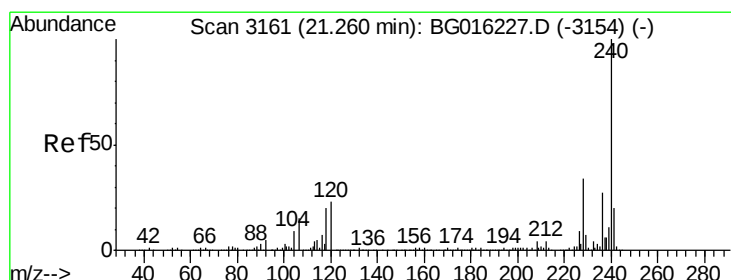
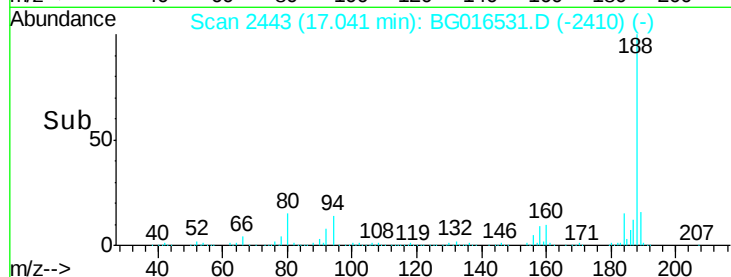
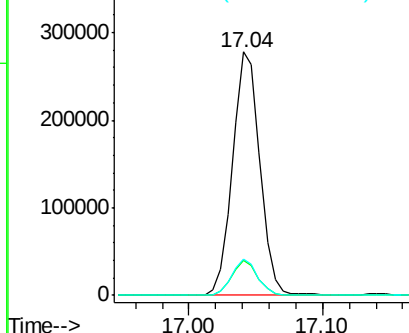
apatel  
4/20/2015 3:59:49 PM



Abundance Ion 188.00 (187.70 to 188.70): E

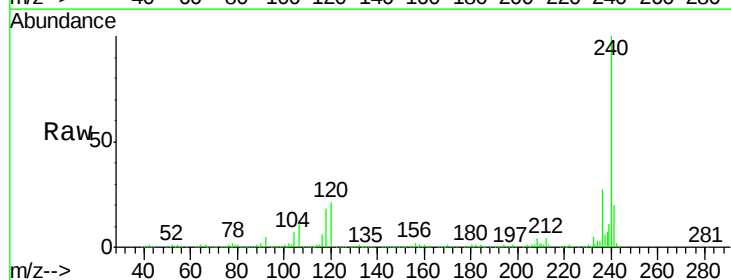
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.22 min Scan# 3155  
Delta R.T. -0.01 min  
Lab File: BG016531.D  
Acq: 18 Apr 2015 21:23

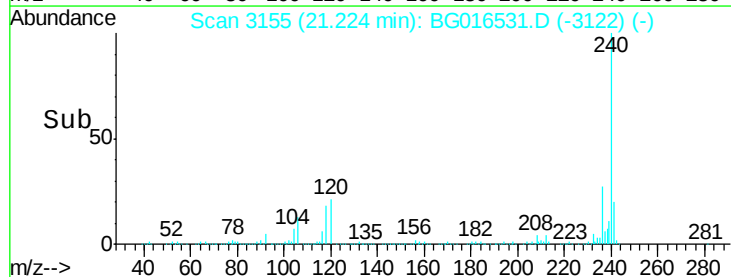
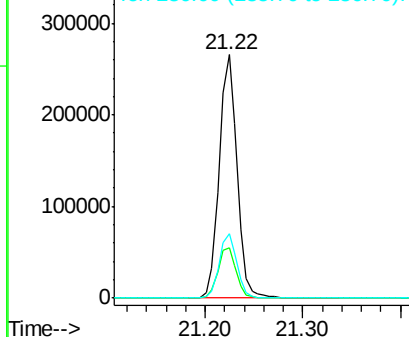
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 336995 |       |       |
| 120     | 20.7  | 18.6   | 28.0  |       |
| 236     | 26.6  | 21.7   | 32.5  |       |

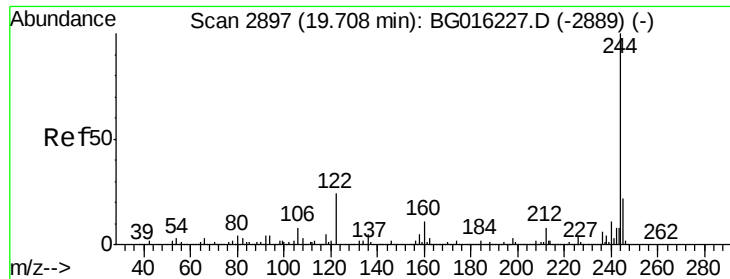


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 12.65 ng

RT: 19.67 min Scan# 2890

Delta R.T. -0.01 min

Lab File: BG016531.D

Acq: 18 Apr 2015 21:23

Instrument :

BNA\_G

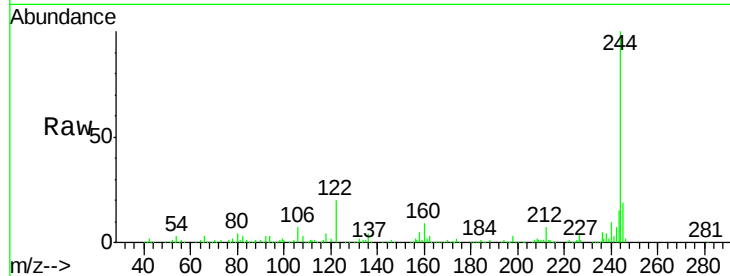
ClientSampleId :

EFFWW

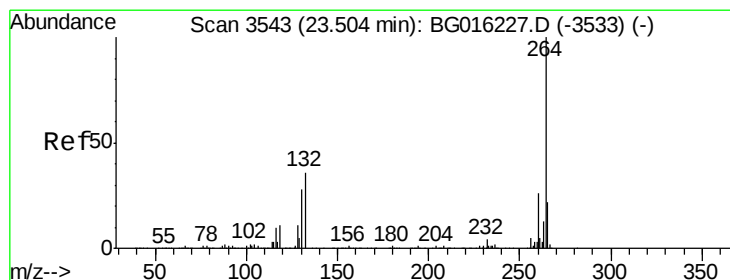
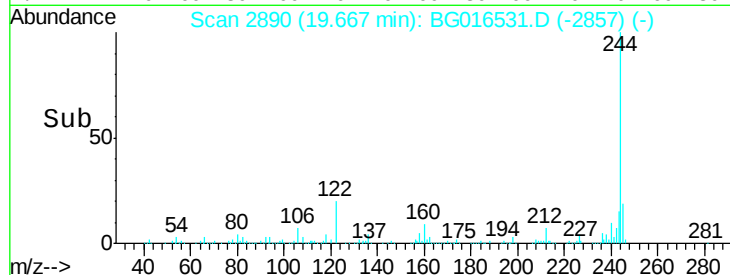
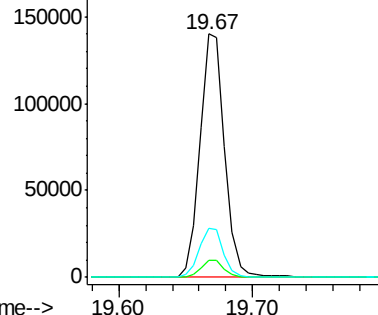
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 244  | Resp: | 182110 |
| Ion Ratio |      | Lower | Upper  |
| 244       | 100  |       |        |
| 212       | 6.9  | 6.6   | 9.8    |
| 122       | 20.0 | 19.1  | 28.7   |

Manual Integrations  
APPROVED

apatel  
4/20/2015 3:59:49 PM



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

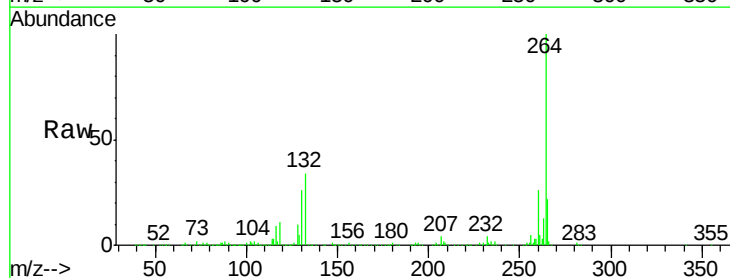
RT: 23.45 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG016531.D

Acq: 18 Apr 2015 21:23

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 264  | Resp: | 313285 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 25.5 | 20.4  | 30.6   |
| 265       | 21.7 | 17.2  | 25.8   |



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

