

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\  
 Data File : BG020971.D  
 Acq On : 19 Feb 2016 14:20  
 Operator : SJ/UM  
 Sample : PB88429BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

Manual Integrations  
 APPROVED

UMANGI  
 2/22/2016 10:55:22 AM

Quant Time: Feb 19 15:33:46 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 11 15:26:53 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.26  | 152  | 19737    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.09 | 136  | 99116    | 20.00 | ng    | -0.01    |
| 38) Acenaphthene-d10      | 14.87 | 164  | 62271    | 20.00 | ng    | -0.02    |
| 63) Phenanthrene-d10      | 17.61 | 188  | 135499   | 20.00 | ng    | -0.01    |
| 75) Chrysene-d12          | 21.88 | 240  | 126248   | 20.00 | ng    | -0.02    |
| 86) Perylene-d12          | 25.25 | 264  | 121496   | 20.00 | ng    | -0.04    |

## System Monitoring Compounds

|                          |       |     |        |        |    |       |
|--------------------------|-------|-----|--------|--------|----|-------|
| 5) 2-Fluorophenol        | 5.79  | 112 | 151056 | 128.89 | ng | 0.00  |
| 7) Phenol-d6             | 7.40  | 99  | 211301 | 123.35 | ng | 0.00  |
| 23) Nitrobenzene-d5      | 9.43  | 82  | 113010 | 74.97  | ng | -0.01 |
| 41) 2,4,6-Tribromophenol | 16.36 | 330 | 82020  | 133.94 | ng | 0.00  |
| 44) 2-Fluorobiphenyl     | 13.50 | 172 | 321878 | 72.61  | ng | -0.01 |
| 78) Terphenyl-d14        | 20.19 | 244 | 433712 | 80.14  | ng | -0.02 |

## Target Compounds

|                                |       |     |        |       |    | Qvalue |
|--------------------------------|-------|-----|--------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.63  | 88  | 13007  | 30.52 | ng | 93     |
| 3) Pyridine                    | 4.04  | 79  | 39128  | 31.04 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.95  | 42  | 11669  | 35.38 | ng | 97     |
| 6) Aniline                     | 7.57  | 93  | 45190  | 21.16 | ng | 98     |
| 8) 2-Chlorophenol              | 7.82  | 128 | 58616  | 40.04 | ng | 97     |
| 9) Benzaldehyde                | 7.39  | 77  | 10981  | 12.80 | ng | 96     |
| 10) Phenol                     | 7.43  | 94  | 73437  | 40.51 | ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.67  | 93  | 50838  | 35.11 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 8.15  | 146 | 55837  | 36.07 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.30  | 146 | 57243  | 36.47 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.62  | 146 | 56885  | 37.26 | ng | 96     |
| 15) Benzyl Alcohol             | 8.49  | 79  | 43846  | 40.61 | ng | 99     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.79  | 45  | 50484  | 33.42 | ng | 99     |
| 17) 2-Methylphenol             | 8.70  | 107 | 51934  | 39.77 | ng | 96     |
| 18) Hexachloroethane           | 9.35  | 117 | 20024  | 37.11 | ng | 92     |
| 19) n-Nitroso-di-n-propylamine | 9.06  | 70  | 38768  | 35.07 | ng | 99     |
| 20) 3+4-Methylphenols          | 9.02  | 107 | 72545  | 39.86 | ng | 95     |
| 22) Acetophenone               | 9.08  | 105 | 82882  | 34.69 | ng | # 100  |
| 24) Nitrobenzene               | 9.47  | 77  | 55506  | 35.32 | ng | 99     |
| 25) Isophorone                 | 9.99  | 82  | 112183 | 35.31 | ng | 99     |
| 26) 2-Nitrophenol              | 10.19 | 139 | 32605  | 39.43 | ng | 96     |
| 27) 2,4-Dimethylphenol         | 10.23 | 122 | 59855  | 37.77 | ng | 93     |
| 28) bis(2-Chloroethoxy)methane | 10.47 | 93  | 74892  | 38.25 | ng | 98     |
| 29) 2,4-Dichlorophenol         | 10.72 | 162 | 59986  | 42.24 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.94 | 180 | 53987  | 37.74 | ng | 99     |
| 31) Naphthalene                | 11.13 | 128 | 189780 | 37.01 | ng | 98     |
| 32) Benzoic acid               | 10.35 | 122 | 42022  | 33.06 | ng | 95     |
| 33) 4-Chloroaniline            | 11.24 | 127 | 31216  | 14.15 | ng | 97     |
| 34) Hexachlorobutadiene        | 11.41 | 225 | 26965  | 36.98 | ng | 100    |
| 35) Caprolactam                | 12.00 | 113 | 23867m | 43.86 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.34 | 107 | 67631  | 41.56 | ng | 96     |
| 37) 2-Methylnaphthalene        | 12.72 | 142 | 147634 | 41.04 | ng | 99     |
| 39) 1,2,4,5-Tetrachlorobenzene | 13.08 | 216 | 62305  | 34.11 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 13.06 | 237 | 53655  | 66.77 | ng | 96     |

Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\  
 Data File : BG020971.D  
 Acq On : 19 Feb 2016 14:20  
 Operator : SJ/UM  
 Sample : PB88429BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

Manual Integrations  
 APPROVED

UMANGI  
 2/22/2016 10:55:22 AM

Quant Time: Feb 19 15:33:46 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Feb 11 15:26:53 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.31 | 196  | 48559    | 39.57 | nq    | 99       |
| 43) 2,4,5-Trichlorophenol      | 13.38 | 196  | 52680    | 40.83 | nq    | 97       |
| 45) 1,1'-Biphenyl              | 13.71 | 154  | 190038   | 34.59 | nq    | 99       |
| 46) 2-Chloronaphthalene        | 13.76 | 162  | 142987   | 36.36 | nq    | 99       |
| 47) 2-Nitroaniline             | 13.95 | 65   | 37600    | 39.92 | nq    | 100      |
| 48) Acenaphthylene             | 14.60 | 152  | 255543   | 37.37 | nq    | 99       |
| 49) Dimethylphthalate          | 14.32 | 163  | 187206   | 38.45 | nq    | 100      |
| 50) 2,6-Dinitrotoluene         | 14.44 | 165  | 41900    | 40.15 | nq    | 100      |
| 51) Acenaphthene               | 14.94 | 154  | 165124   | 39.82 | nq    | 97       |
| 52) 3-Nitroaniline             | 14.77 | 138  | 35114    | 28.96 | nq    | 96       |
| 53) 2,4-Dinitrophenol          | 14.97 | 184  | 30702    | 70.51 | nq    | 93       |
| 54) Dibenzofuran               | 15.27 | 168  | 235466   | 42.93 | nq    | 99       |
| 55) 4-Nitrophenol              | 15.07 | 139  | 79965    | 87.33 | nq    | 98       |
| 56) 2,4-Dinitrotoluene         | 15.22 | 165  | 58886    | 43.66 | nq    | 98       |
| 57) Fluorene                   | 15.91 | 166  | 201753   | 39.95 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.49 | 232  | 45326    | 46.10 | nq    | 99       |
| 59) Diethylphthalate           | 15.67 | 149  | 200728   | 40.10 | nq    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.90 | 204  | 87357    | 38.94 | nq    | 97       |
| 61) 4-Nitroaniline             | 15.93 | 138  | 49695    | 40.83 | nq    | 98       |
| 62) Azobenzene                 | 16.19 | 77   | 167663   | 42.60 | nq    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.98 | 198  | 23848    | 36.17 | nq    | 97       |
| 65) n-Nitrosodiphenylamine     | 16.11 | 169  | 170589   | 38.97 | nq    | 99       |
| 66) 4-Bromophenyl-phenylether  | 16.79 | 248  | 53735    | 37.55 | nq    | 99       |
| 67) Hexachlorobenzene          | 16.91 | 284  | 59276    | 38.93 | nq    | 97       |
| 68) Atrazine                   | 17.05 | 200  | 53599    | 40.35 | nq    | 99       |
| 69) Pentachlorophenol          | 17.25 | 266  | 66815    | 76.53 | nq    | 97       |
| 70) Phenanthrene               | 17.65 | 178  | 300608   | 38.97 | nq    | 100      |
| 71) Anthracene                 | 17.74 | 178  | 301340   | 38.49 | nq    | 100      |
| 72) Carbazole                  | 18.01 | 167  | 277258   | 39.46 | nq    | 99       |
| 73) Di-n-butylphthalate        | 18.54 | 149  | 343559   | 38.13 | nq    | 100      |
| 74) Fluoranthene               | 19.64 | 202  | 321588   | 38.59 | nq    | 99       |
| 76) Benzidine                  | 19.81 | 184  | 83858    | 20.54 | nq    | 98       |
| 77) Pyrene                     | 20.00 | 202  | 329225   | 39.53 | nq    | 99       |
| 79) Butylbenzylphthalate       | 20.87 | 149  | 156062   | 39.14 | nq    | 99       |
| 80) Benzo(a)anthracene         | 21.87 | 228  | 300462   | 39.87 | nq    | 99       |
| 81) 3,3'-Dichlorobenzidine     | 21.77 | 252  | 49859    | 17.82 | nq    | 98       |
| 82) Chrysene                   | 21.94 | 228  | 267614   | 37.76 | nq    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.75 | 149  | 227450   | 38.48 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 23.01 | 149  | 385998   | 39.78 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.11 | 276  | 327018   | 40.12 | nq    | 99       |
| 87) Benzo(b)fluoranthene       | 24.18 | 252  | 297578   | 40.02 | nq    | 98       |
| 88) Benzo(k)fluoranthene       | 24.25 | 252  | 280200   | 38.46 | nq    | 99       |
| 89) Benzo(a)pyrene             | 25.10 | 252  | 279571   | 39.46 | nq    | 99       |
| 90) Dibenzo(a,h)anthracene     | 29.18 | 278  | 268326   | 38.95 | nq    | 99       |
| 91) Benzo(g,h,i)perylene       | 30.33 | 276  | 265965   | 38.89 | nq    | 98       |

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

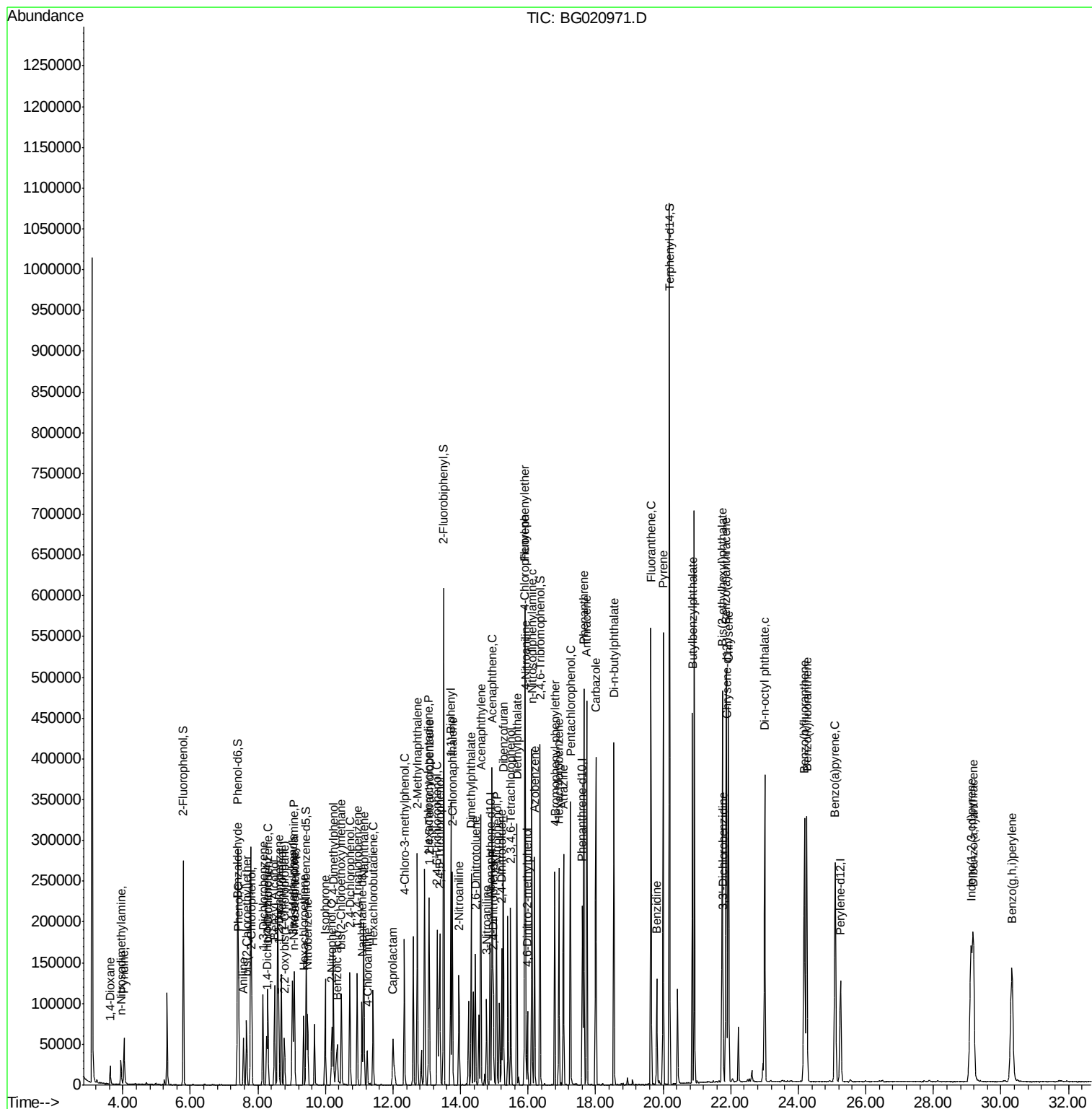
```
Data Path : Z:\HPCHEM1\BNA G\DATA\BG021916\  
Data File : BG020971.D  
Acq On    : 19 Feb 2016  14:20  
Operator  : SJ/UM  
Sample    : PB88429BS  
Misc      :  
ALS Vial  : 4      Sample Multiplier: 1
```

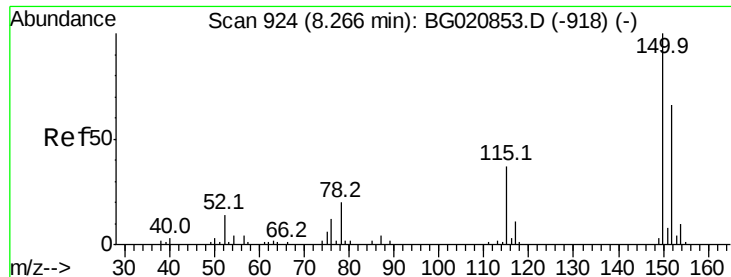
**Instrument :**  
BNA\_G  
**ClientSampleId :**  
PB88429BS

## Manual Integrations APPROVED

UMANGI  
2/22/2016 10:55:22 AM

Quant Time: Feb 19 15:33:46 2016  
Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG021116.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Feb 11 15:26:53 2016  
Response via : Initial Calibration





#1

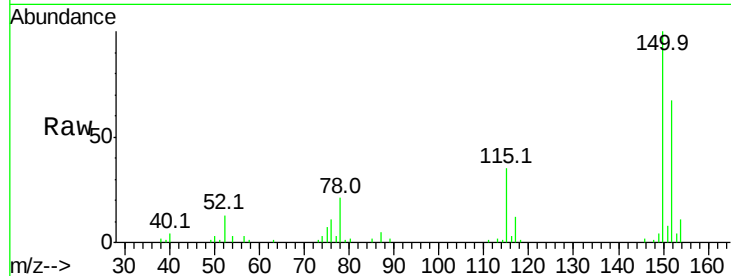
1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.26 min Scan# 923  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

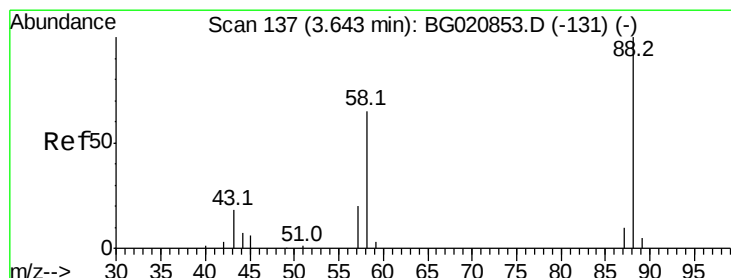
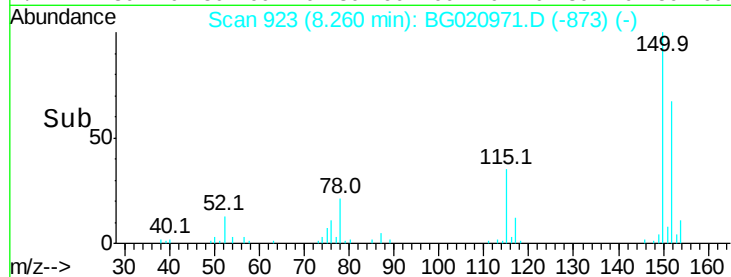
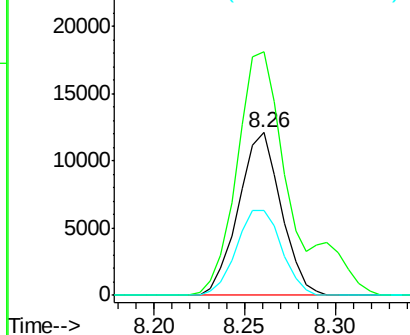
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 149.8 | 122.0 | 183.0 |
| 115     | 52.6  | 45.2  | 67.8  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



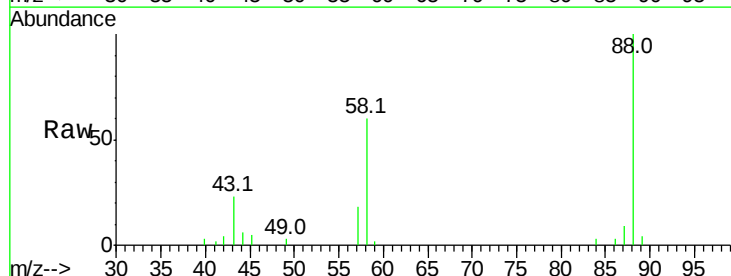
Abundance Ion 152.00 (151.70 to 152.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 115.00 (114.70 to 115.70): E



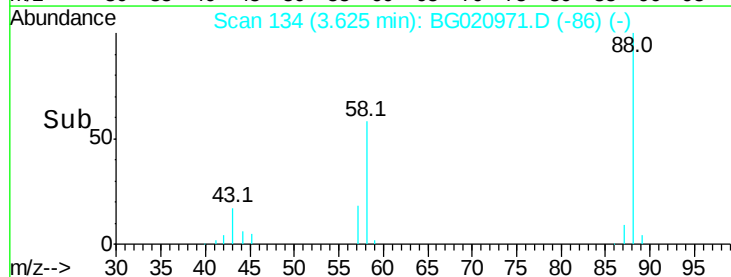
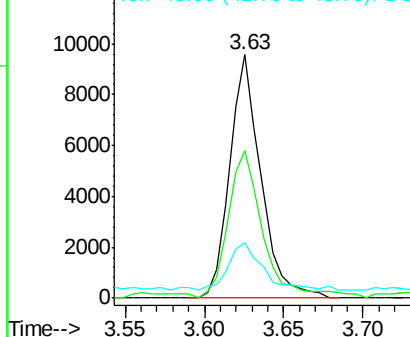
#2

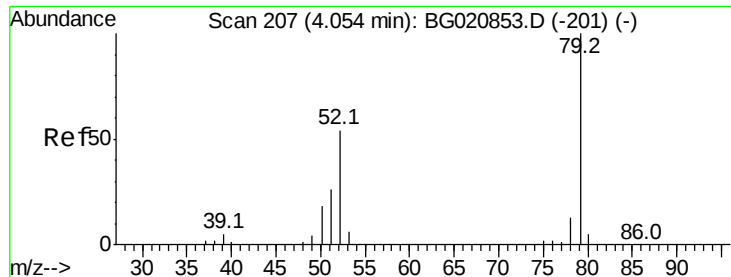
1,4-Dioxane  
Concen: 30.52 ng  
RT: 3.63 min Scan# 134  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 68.0  | 50.3  | 75.5  |
| 43      | 21.1  | 14.5  | 21.7  |



Abundance Ion 88.00 (87.70 to 88.70): BGC  
Ion 58.00 (57.70 to 58.70): BGC  
Ion 43.00 (42.70 to 43.70): BGC





#3

Pvridine

Concen: 31.04 ng

RT: 4.04 min Scan# 204

Delta R.T. -0.02 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

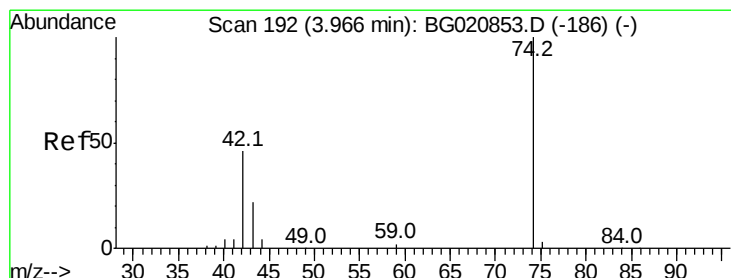
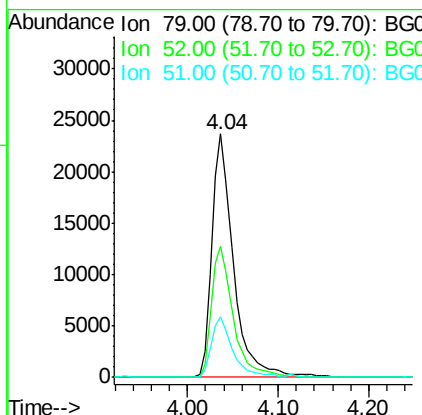
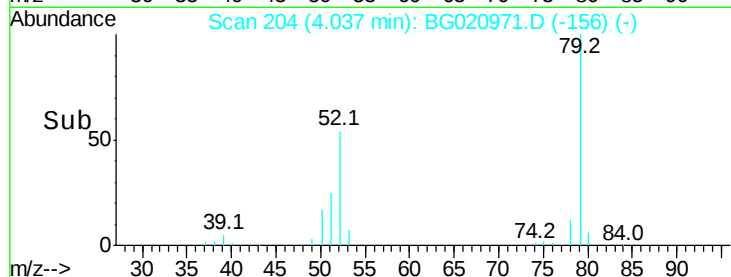
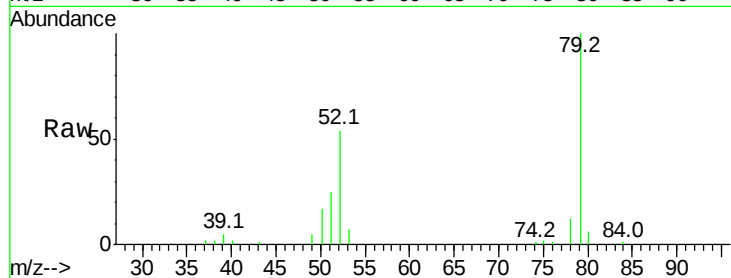
ClientSampleId :

PB88429BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 39128 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 53.6  | 43.1  | 64.7  |
| 51        | 24.7  | 20.7  | 31.1  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#4

n-Nitrosodimethylamine

Concen: 35.38 ng

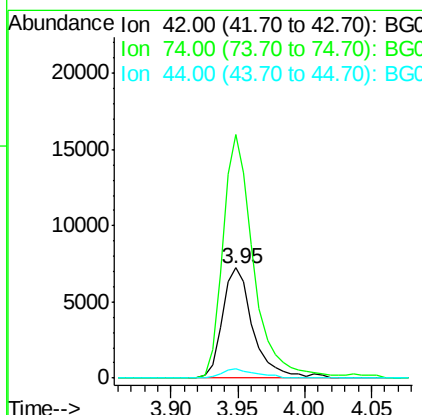
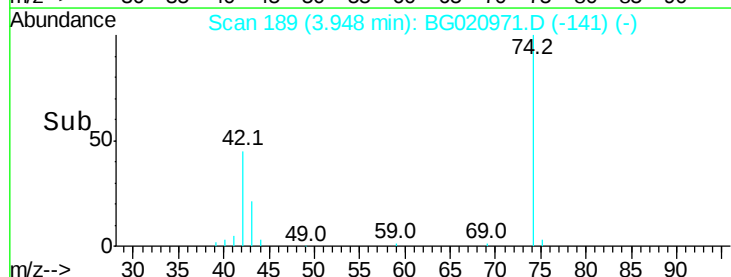
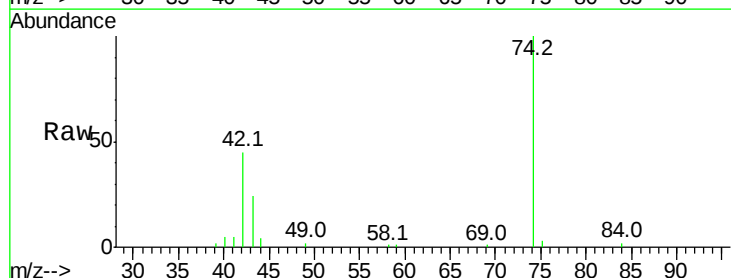
RT: 3.95 min Scan# 189

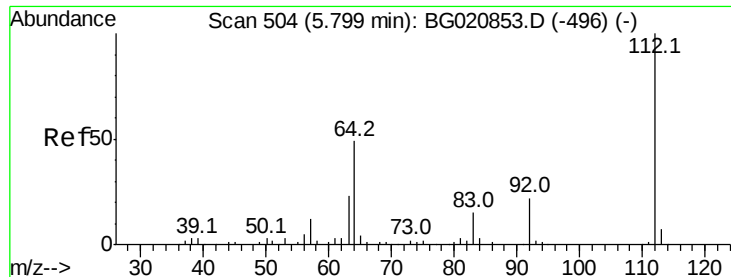
Delta R.T. -0.02 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 11669 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 221.6 | 173.8 | 260.6 |
| 44        | 8.6   | 6.3   | 9.5   |





#5

2-Fluorophenol

Concen: 128.89 ng

RT: 5.79 min Scan# 503

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

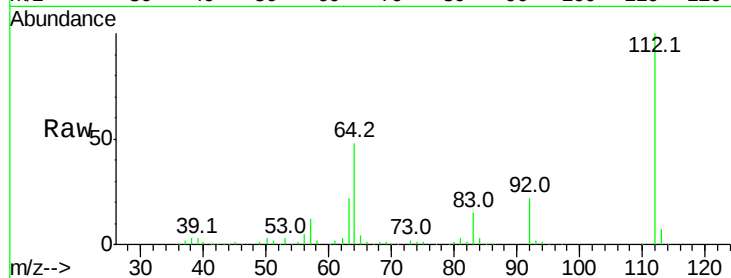
ClientSampleId :

PB88429BS

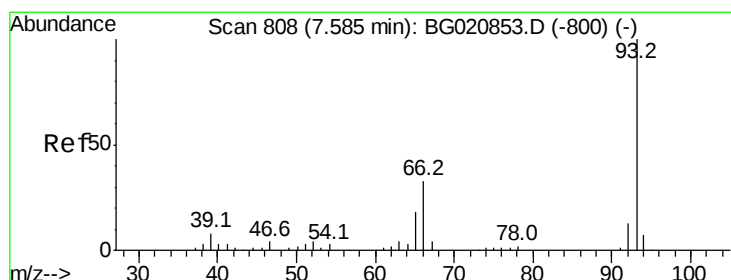
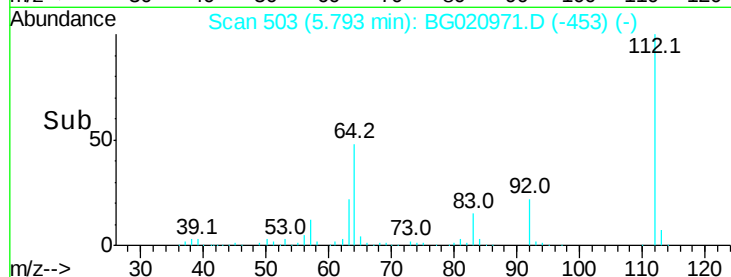
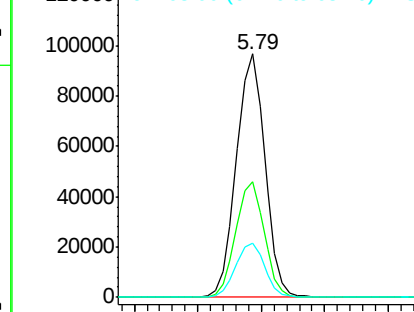
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 151056 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 47.6  | 39.3  | 58.9   |
| 63        | 22.4  | 18.2  | 27.4   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



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



#6

Aniline

Concen: 21.16 ng

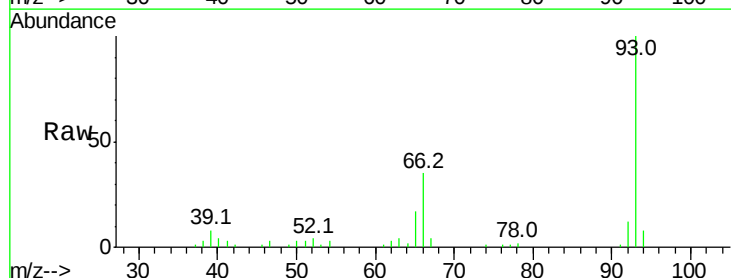
RT: 7.57 min Scan# 806

Delta R.T. -0.01 min

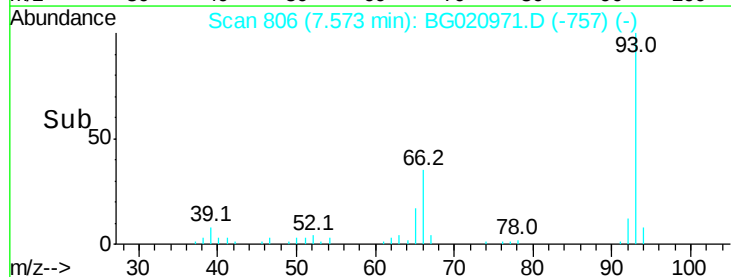
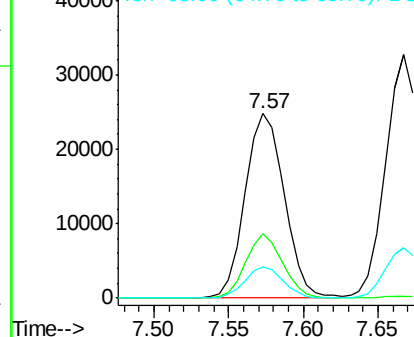
Lab File: BG020971.D

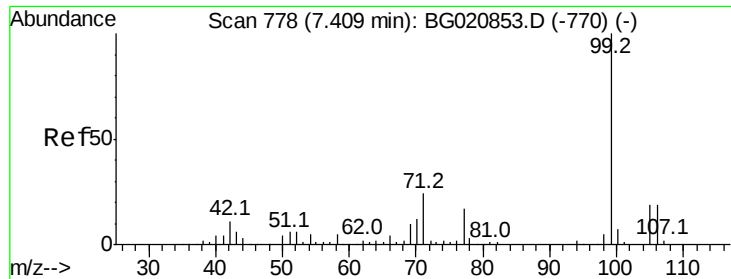
Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 45190 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 34.6  | 26.6  | 40.0  |
| 65        | 17.0  | 14.0  | 21.0  |



Abundance Ion 93.00 (92.70 to 93.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC





#7

Phenol-d6

Concen: 123.35 ng

RT: 7.40 min Scan# 777

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

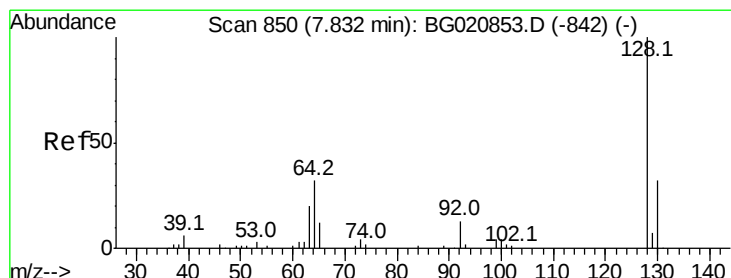
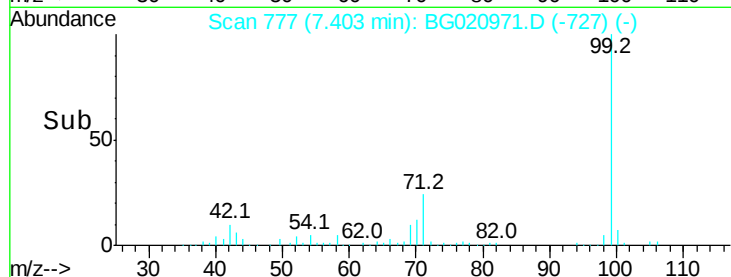
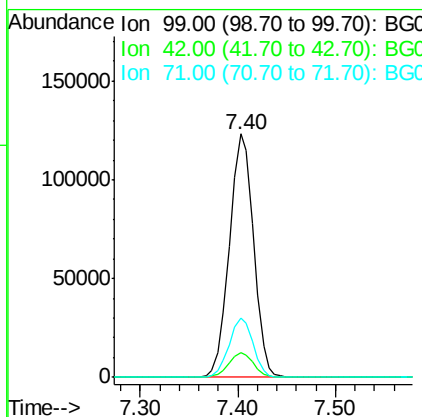
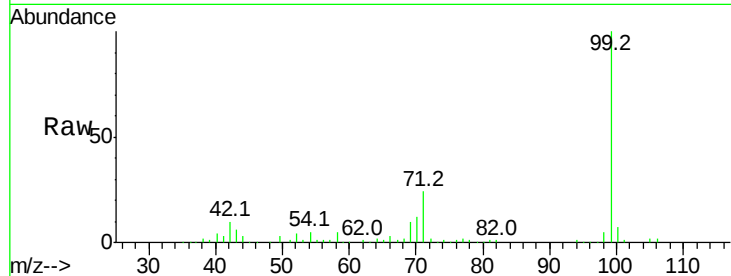
ClientSampleId :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 211301 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 10.3  | 8.4   | 12.6   |
| 71        | 24.4  | 19.4  | 29.0   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#8

2-Chlorophenol

Concen: 40.04 ng

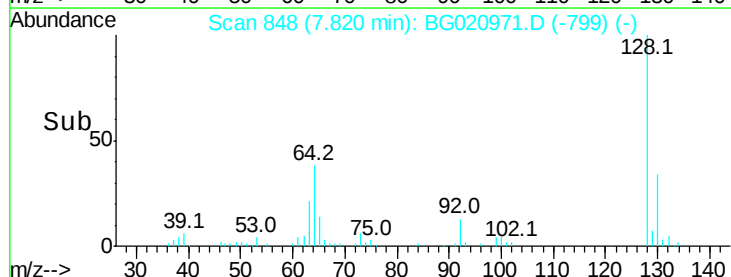
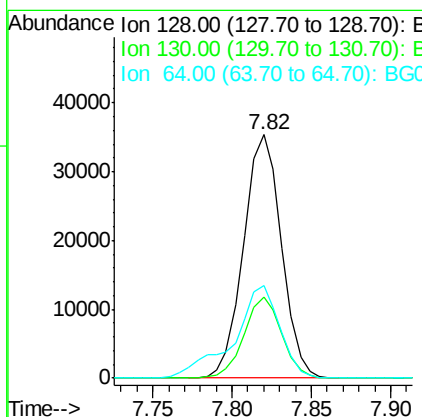
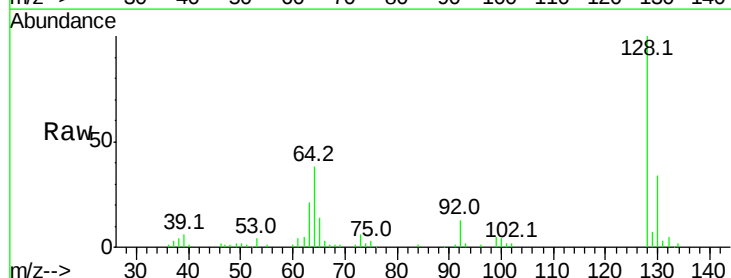
RT: 7.82 min Scan# 848

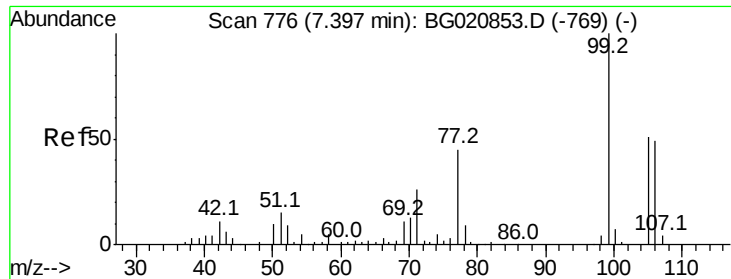
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 58616 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 33.5  | 12.3  | 52.3  |
| 64        | 37.9  | 15.9  | 55.9  |





#9

Benzaldehyde

Concen: 12.80 ng

RT: 7.39 min Scan# 774

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

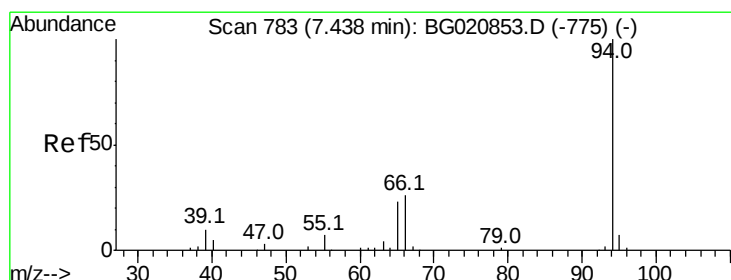
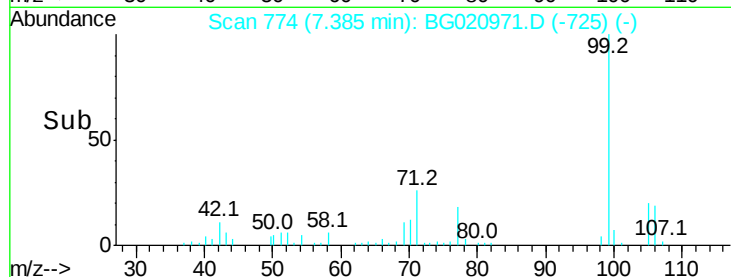
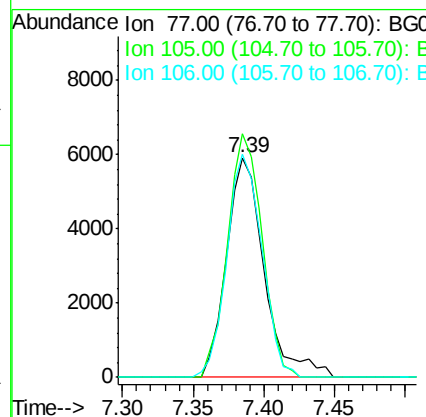
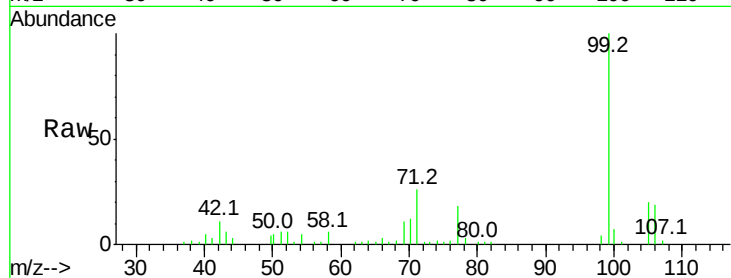
ClientSampleId :

PB88429BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 77    | Resp: | 10981 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 111.0 | 93.4  | 133.4 |
| 106       | 101.7 | 88.7  | 128.7 |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#10

Phenol

Concen: 40.51 ng

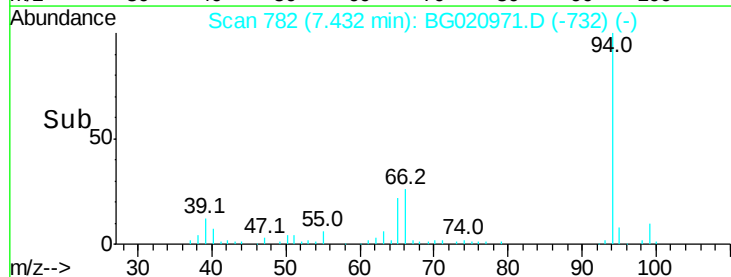
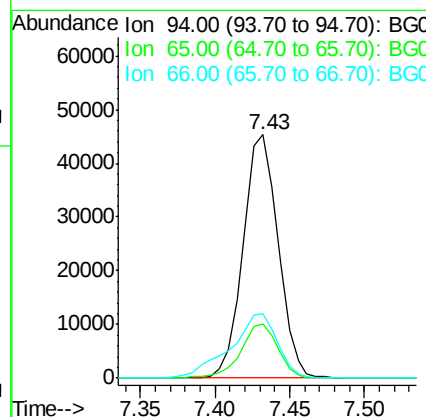
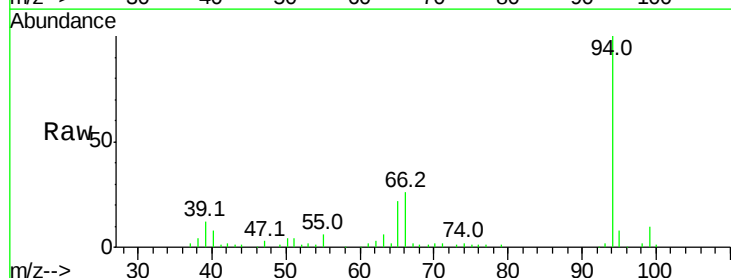
RT: 7.43 min Scan# 782

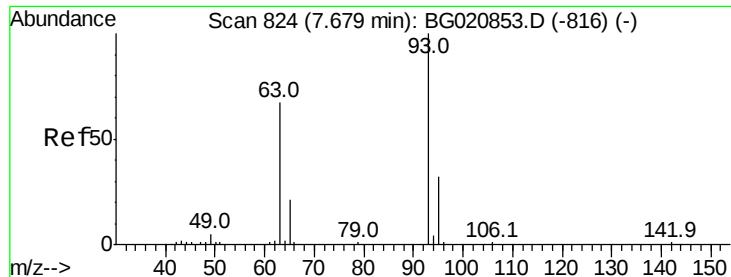
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 73437 |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 65        | 22.2  | 2.8   | 42.8  |
| 66        | 26.3  | 7.2   | 47.2  |





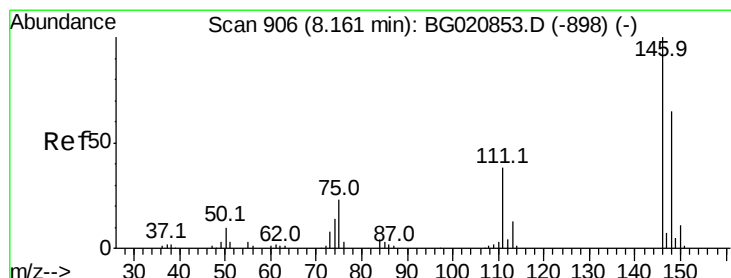
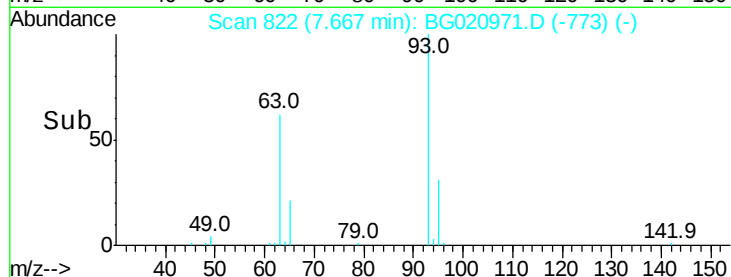
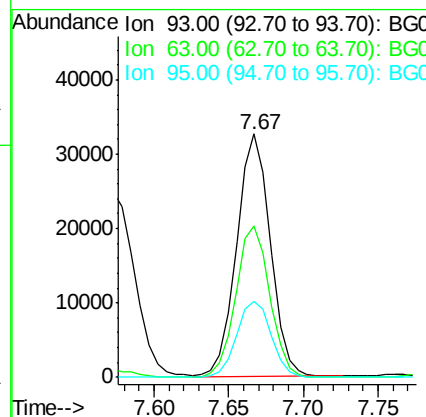
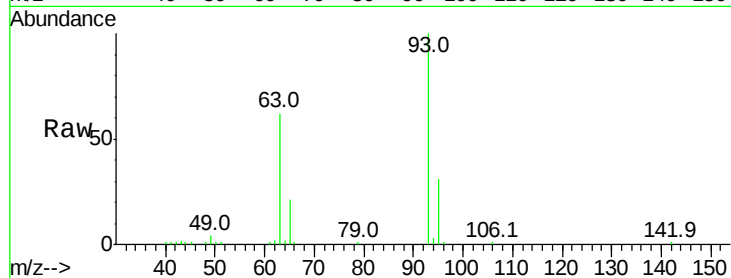
#11  
 bis(2-Chloroethyl)ether  
 Concen: 35.11 ng  
 RT: 7.67 min Scan# 822  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

| Tot Ion   | 93   | Resp  | 50838 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 93        | 100  |       |       |
| 63        | 62.4 | 46.4  | 86.4  |
| 95        | 31.4 | 12.1  | 52.1  |

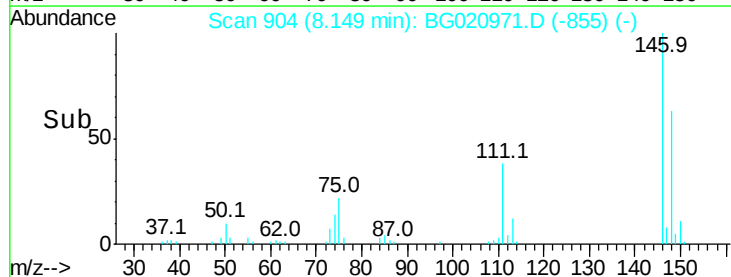
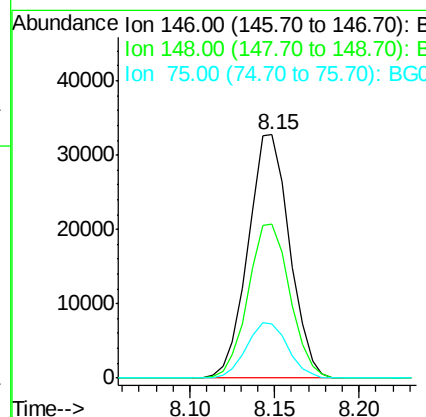
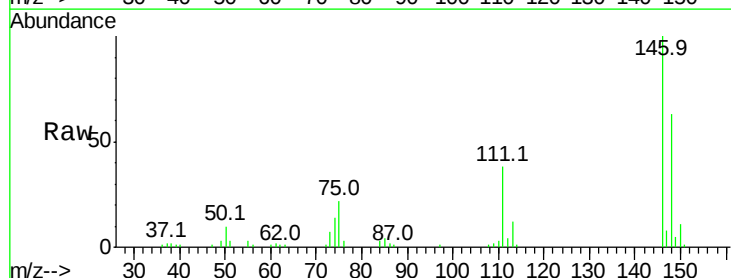
Manual Integrations  
 APPROVED

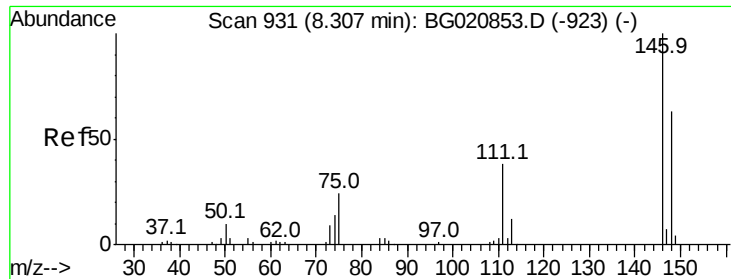
UMANGI  
 2/22/2016 10:55:22 AM



#12  
 1,3-Dichlorobenzene  
 Concen: 36.07 ng  
 RT: 8.15 min Scan# 904  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion   | 146  | Resp  | 55837 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 146       | 100  |       |       |
| 148       | 63.1 | 51.8  | 77.8  |
| 75        | 22.0 | 18.7  | 28.1  |





#13

1,4-Dichlorobenzene

Concen: 36.47 ng

RT: 8.30 min Scan# 929

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

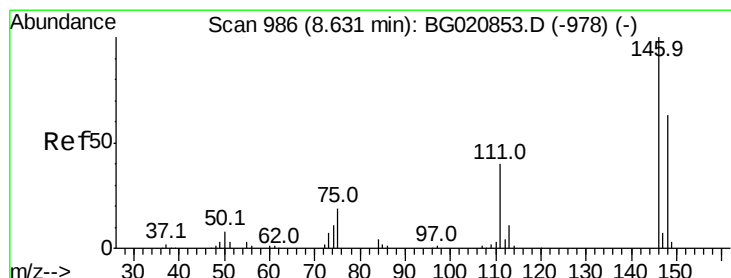
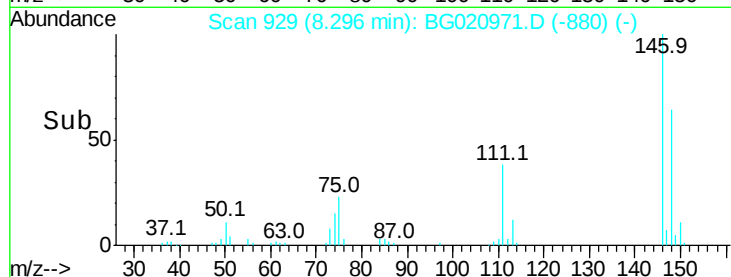
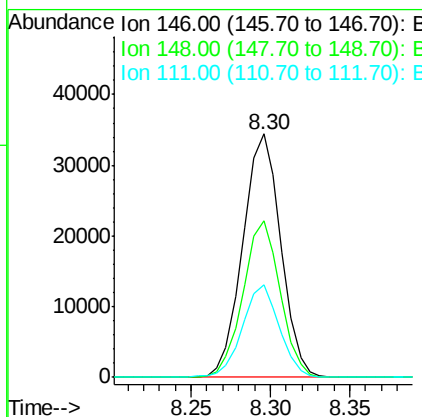
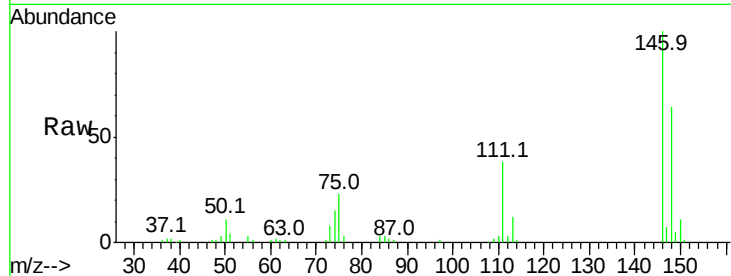
ClientSampleId :

PB88429BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 146   | Resp: | 57243 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 64.4  | 50.8  | 76.2  |
| 111       | 37.9  | 30.1  | 45.1  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#14

1,2-Dichlorobenzene

Concen: 37.26 ng

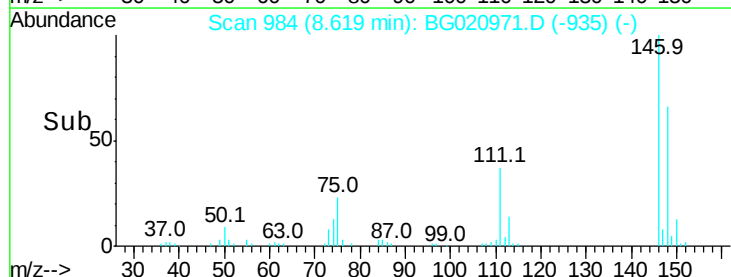
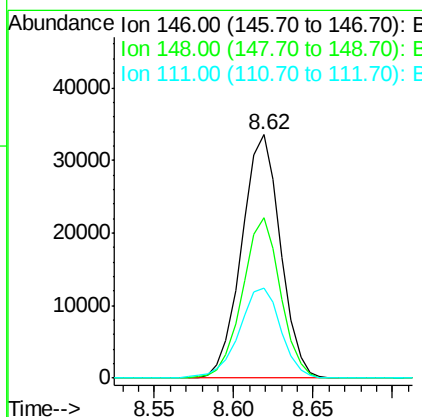
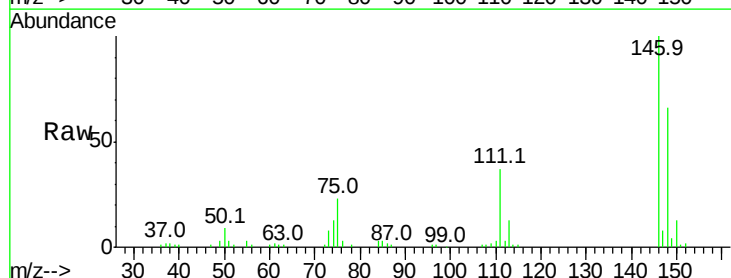
RT: 8.62 min Scan# 984

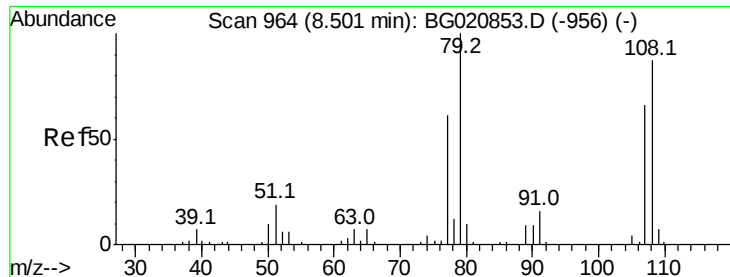
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 56885 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 148       | 65.7  | 50.6  | 76.0  |
| 111       | 37.1  | 32.6  | 48.8  |





#15

Benzyl Alcohol

Concen: 40.61 ng

RT: 8.49 min Scan# 962

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

ClientSampleId :

PB88429BS

Tot Ion: 79 Resp: 43846

Ion Ratio Lower Upper

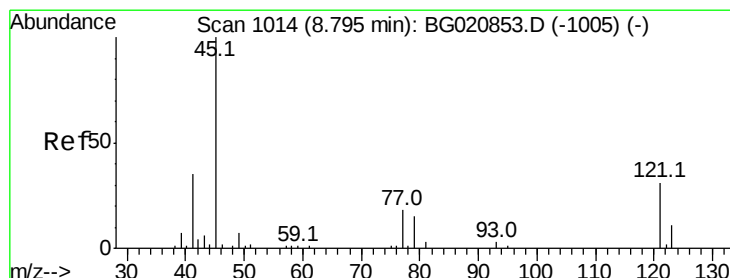
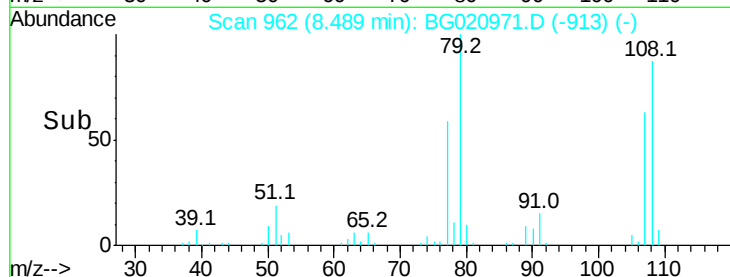
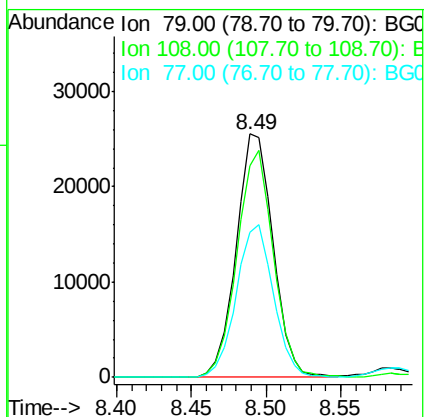
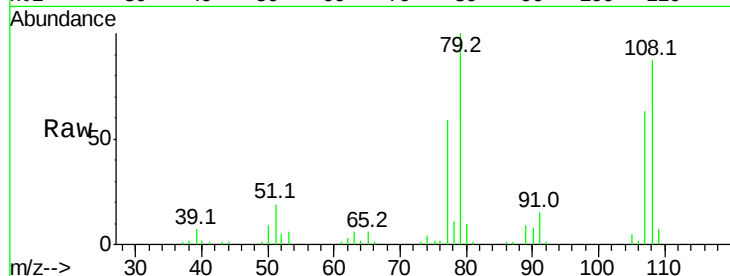
79 100

108 86.7 69.4 104.2

77 59.5 48.6 73.0

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 33.42 ng

RT: 8.79 min Scan# 1013

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

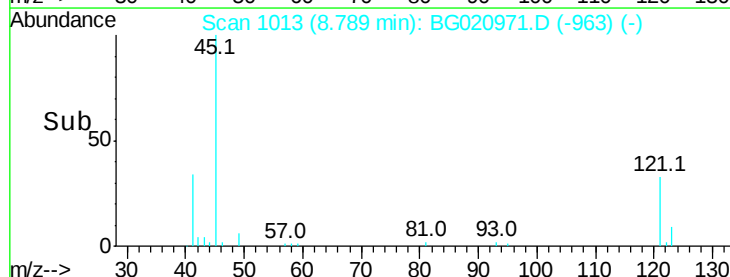
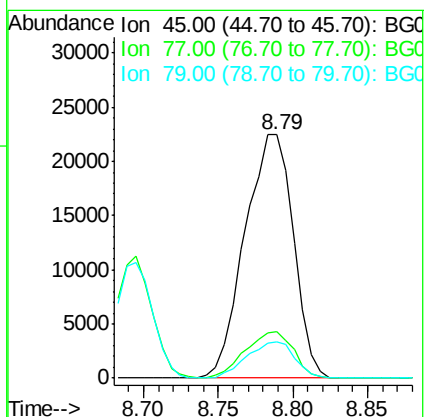
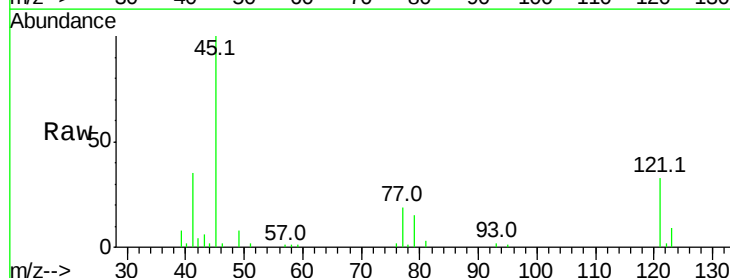
Tgt Ion: 45 Resp: 50484

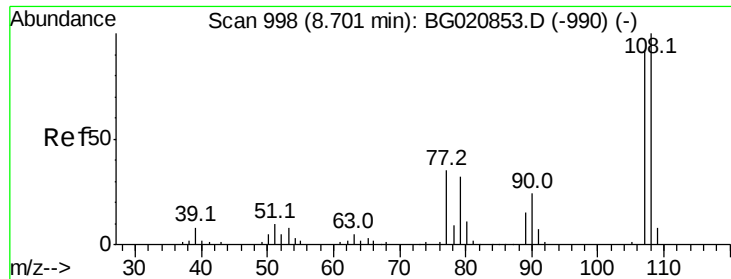
Ion Ratio Lower Upper

45 100

77 19.2 0.0 38.5

79 14.7 0.0 34.9





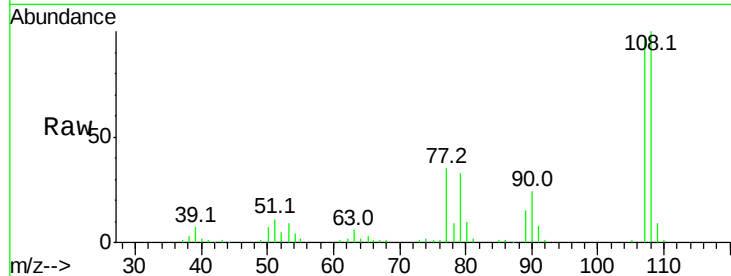
#17  
2-Methylphenol  
Concen: 39.77 ng  
RT: 8.70 min Scan# 997  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampled :  
PB88429BS

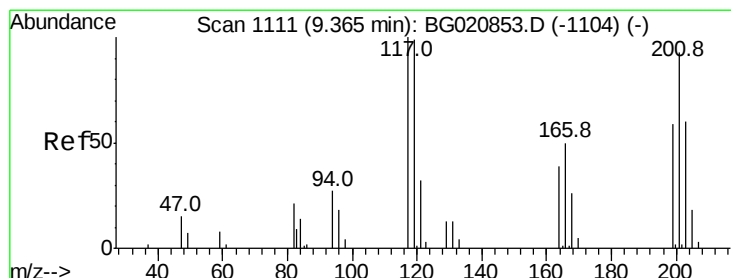
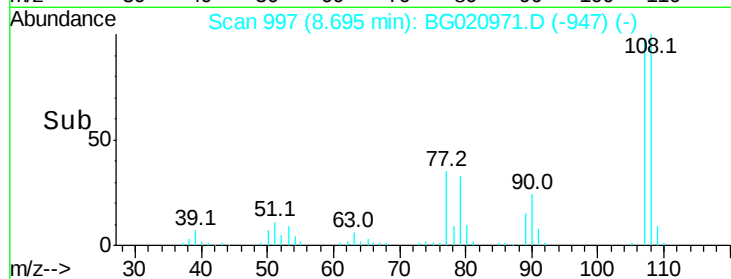
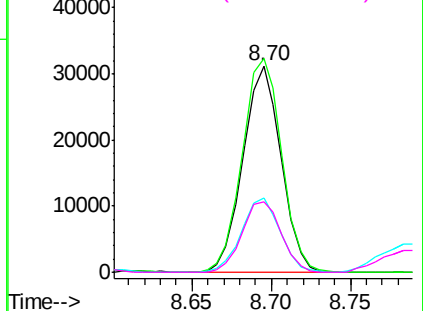
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 103.6 | 87.0 | 130.4 |       |
| 77      | 36.0  | 30.1 | 45.1  |       |
| 79      | 34.4  | 27.4 | 41.2  |       |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM

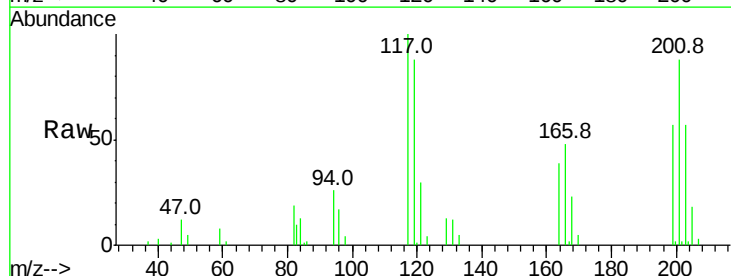


Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

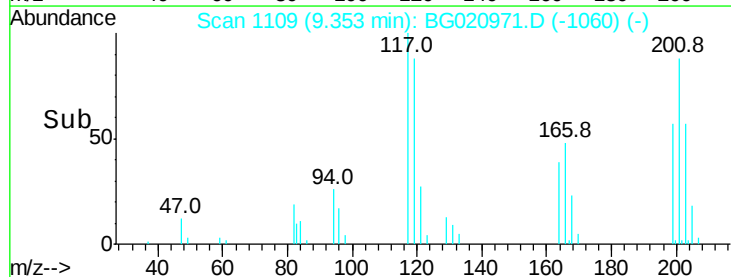
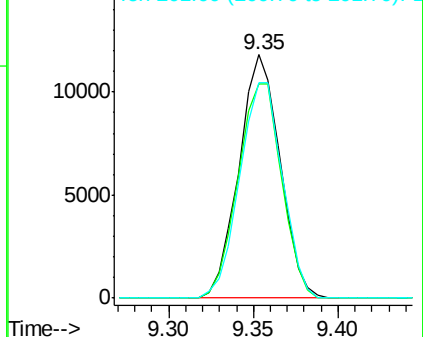


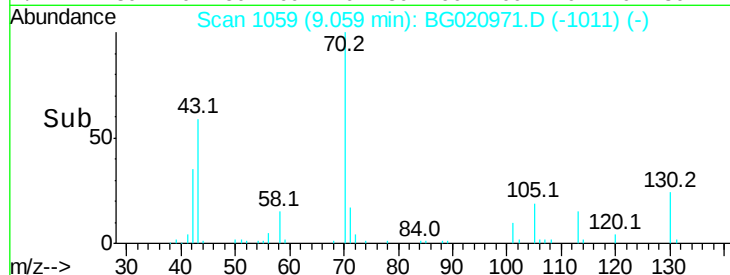
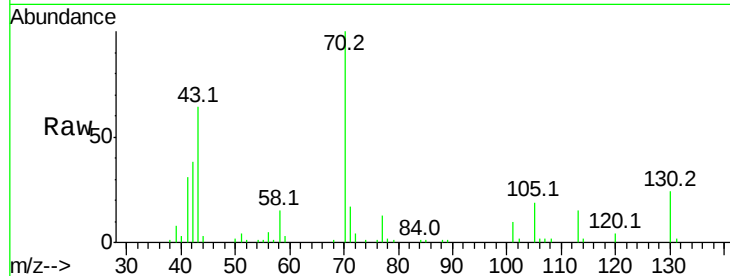
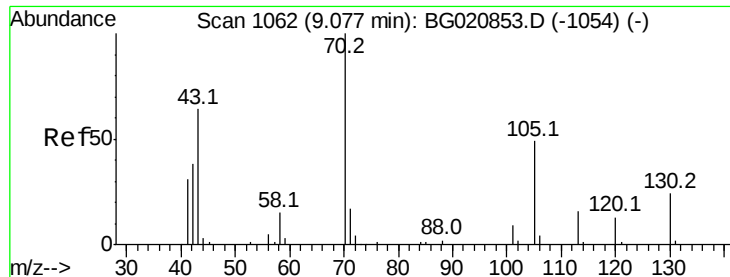
#18  
Hexachloroethane  
Concen: 37.11 ng  
RT: 9.35 min Scan# 1109  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 88.1  | 79.6 | 119.4 |       |
| 201     | 88.4  | 74.5 | 111.7 |       |



Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





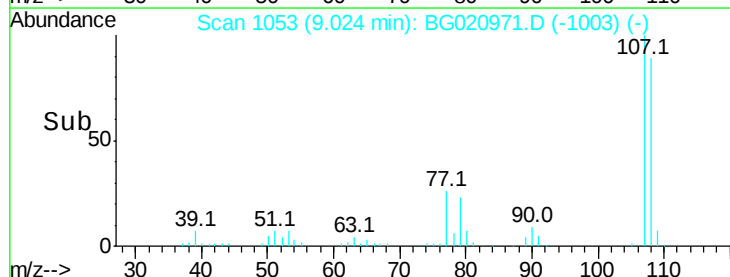
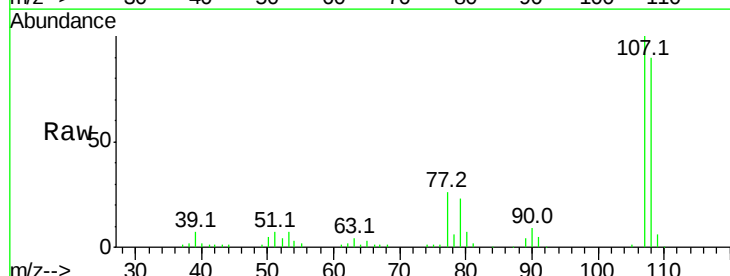
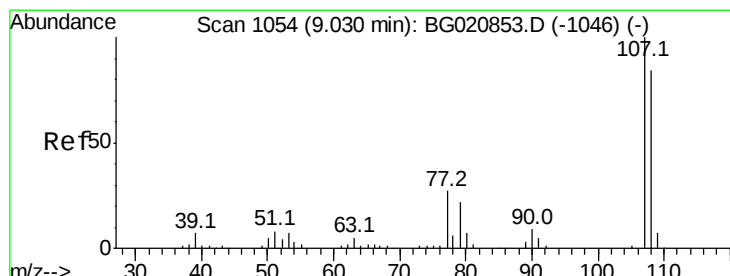
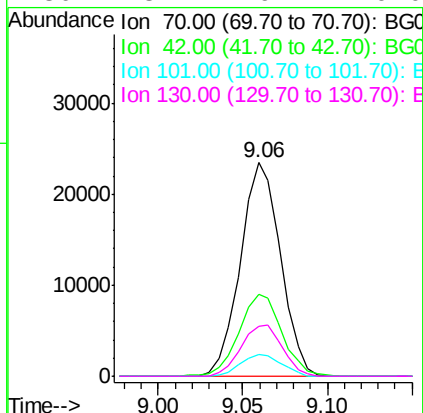
#19  
n-Nitroso-di-n-propylamine  
Concen: 35.07 ng  
RT: 9.06 min Scan# 1059  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

Manual Integrations  
APPROVED

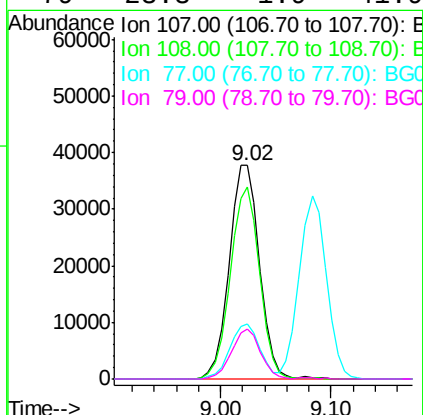
UMANGI  
2/22/2016 10:55:22 AM

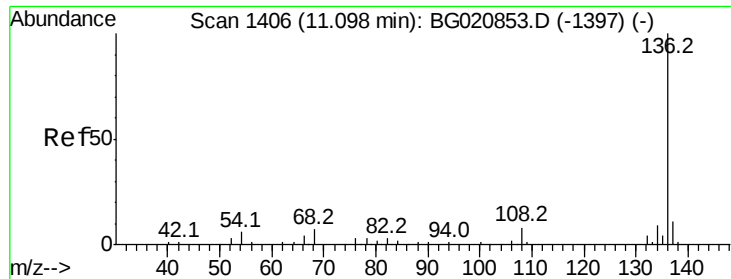
| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 38.3 | 30.9  | 46.3  |       |
| 101     | 10.2 | 7.3   | 10.9  |       |
| 130     | 23.7 | 19.4  | 29.0  |       |



#20  
3+4-Methylphenols  
Concen: 39.86 ng  
RT: 9.02 min Scan# 1053  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 89.7 | 64.4  | 104.4 |       |
| 77      | 25.9 | 7.1   | 47.1  |       |
| 79      | 23.3 | 1.9   | 41.9  |       |





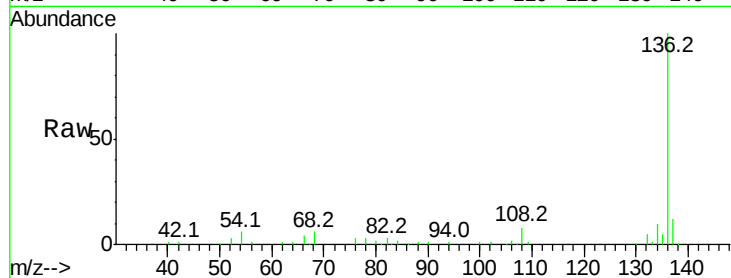
#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.09 min Scan# 1404  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

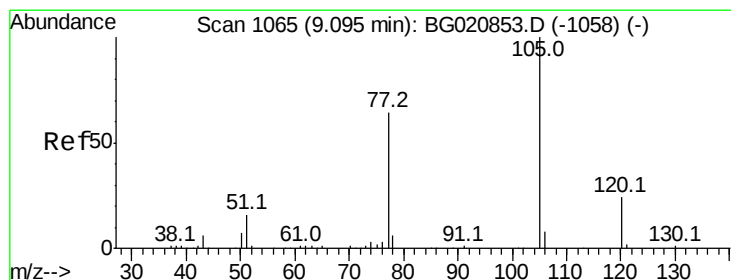
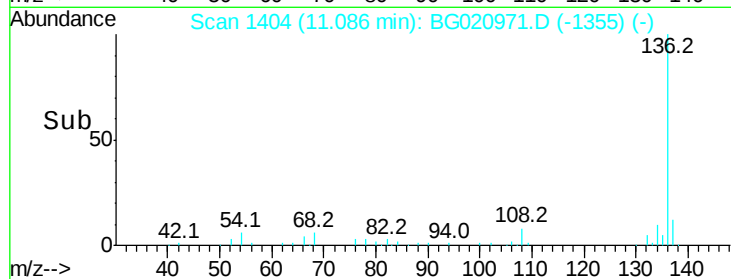
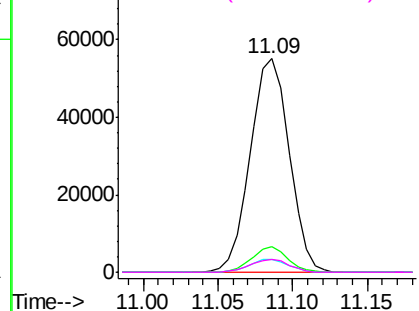
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 136     | 100   |      |       |       |
| 137     | 11.7  | 8.8  | 13.2  |       |
| 54      | 5.9   | 5.0  | 7.4   |       |
| 68      | 5.8   | 5.2  | 7.8   |       |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



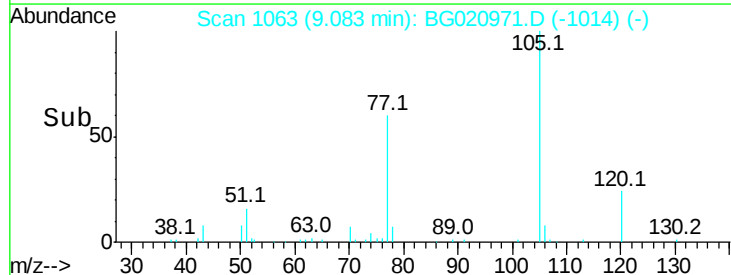
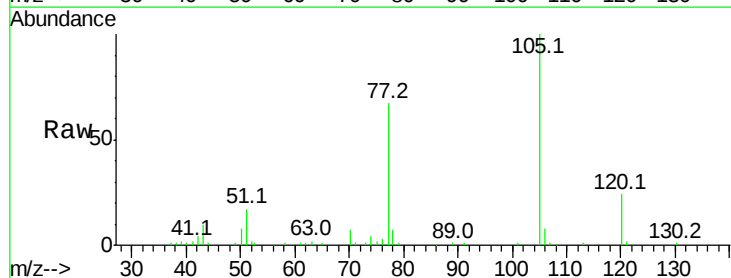
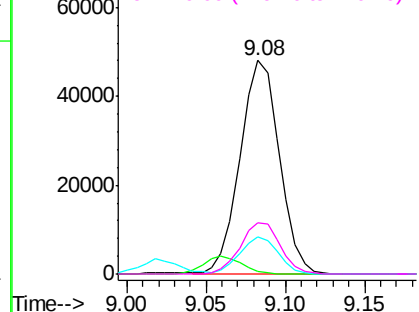
Abundance Ion 136.00 (135.70 to 136.70): E  
Ion 137.00 (136.70 to 137.70): E  
Ion 54.00 (53.70 to 54.70): BG  
Ion 68.00 (67.70 to 68.70): BG

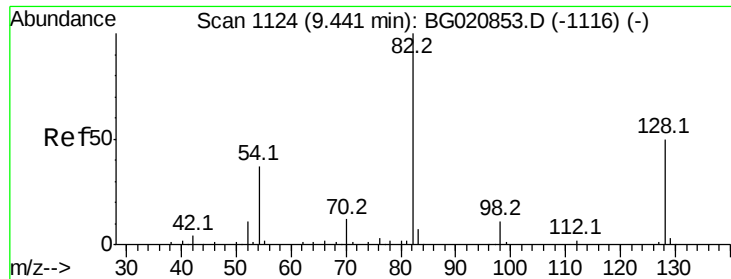


#22  
Acetophenone  
Concen: 34.69 ng  
RT: 9.08 min Scan# 1063  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 105     | 100   |      |       |       |
| 71      | 1.0   | 1.4  | 2.0#  |       |
| 51      | 17.2  | 13.7 | 20.5  |       |
| 120     | 23.9  | 19.0 | 28.6  |       |

Abundance Ion 105.00 (104.70 to 105.70): E  
Ion 71.00 (70.70 to 71.70): BG  
Ion 51.00 (50.70 to 51.70): BG  
Ion 120.00 (119.70 to 120.70): E





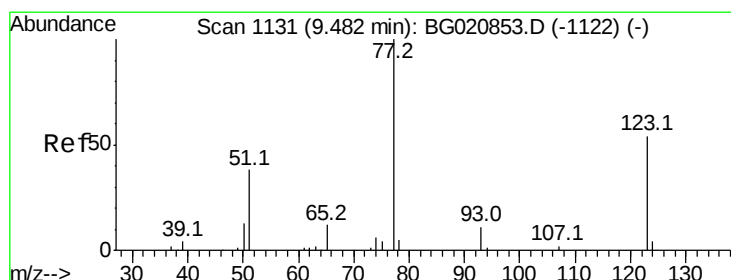
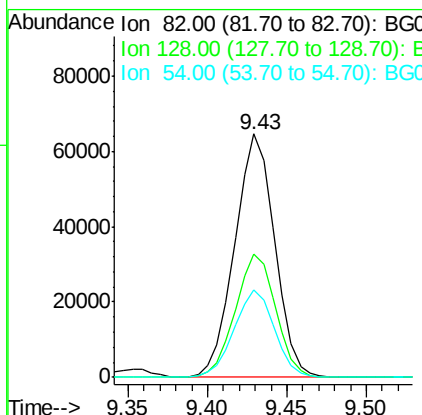
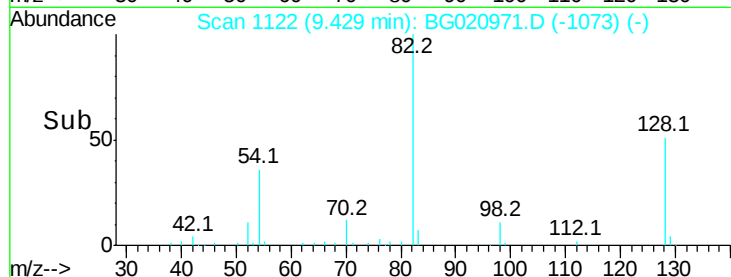
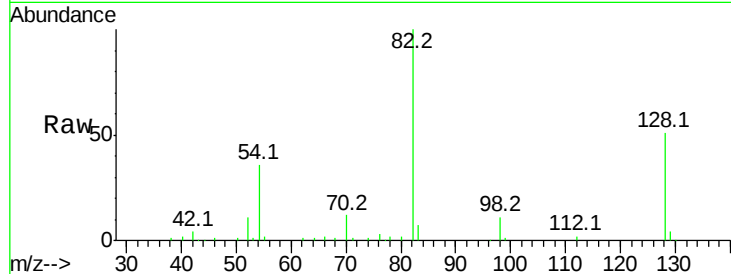
#23  
Nitrobenzene-d5  
Concen: 74.97 ng  
RT: 9.43 min Scan# 1122  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 50.6  | 40.1 | 60.1  |       |
| 54      | 35.7  | 29.5 | 44.3  |       |

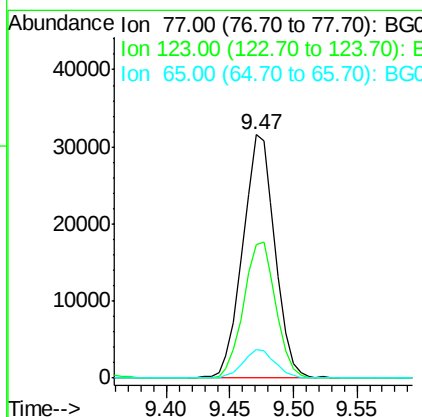
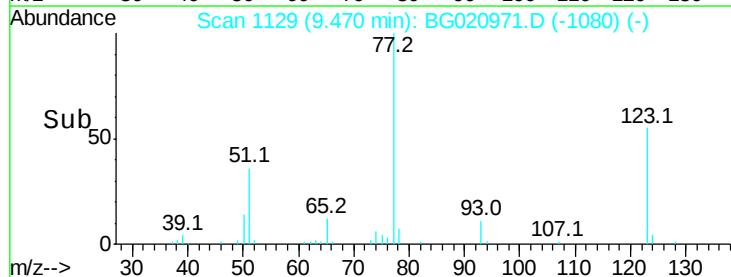
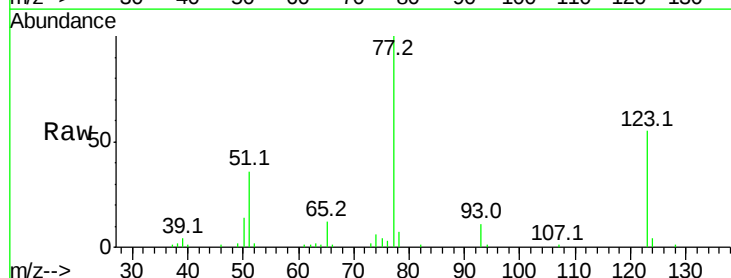
Manual Integrations  
APPROVED

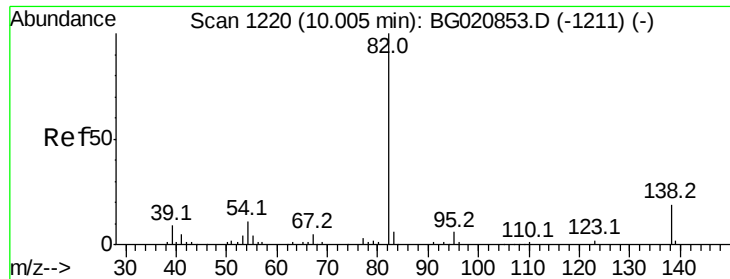
UMANGI  
2/22/2016 10:55:22 AM



#24  
Nitrobenzene  
Concen: 35.32 ng  
RT: 9.47 min Scan# 1129  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 54.8  | 43.2 | 64.8  |       |
| 65      | 11.5  | 9.2  | 13.8  |       |





#25

Isophorone

Concen: 35.31 ng

RT: 9.99 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

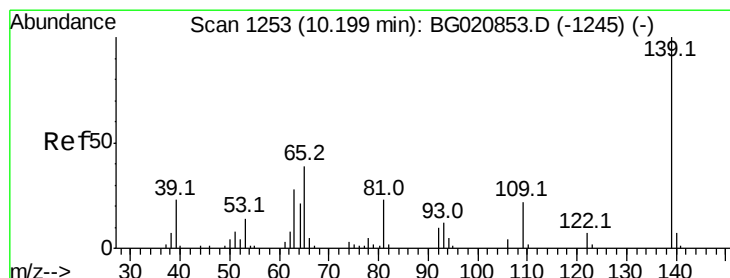
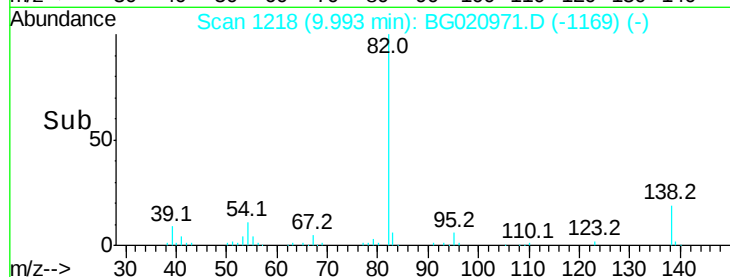
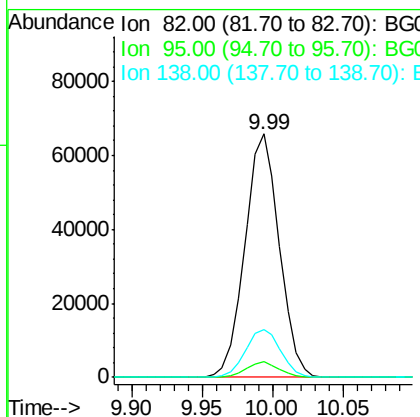
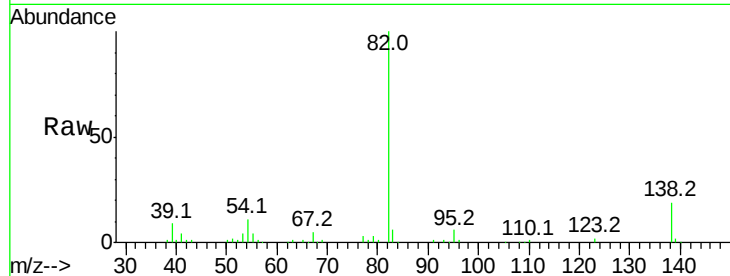
ClientSampleId :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 112183 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 6.4   | 4.8   | 7.2    |
| 138       | 19.4  | 15.4  | 23.0   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#26

2-Nitrophenol

Concen: 39.43 ng

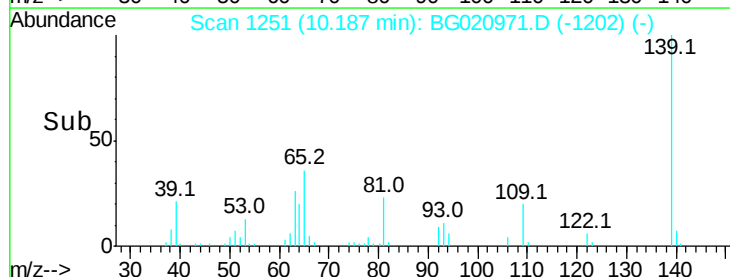
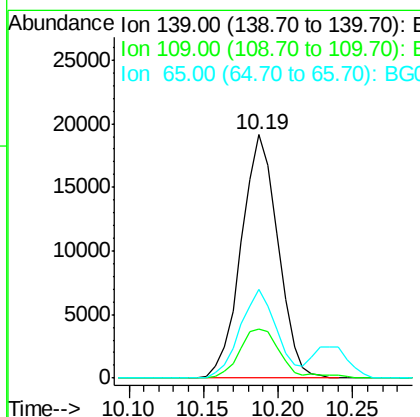
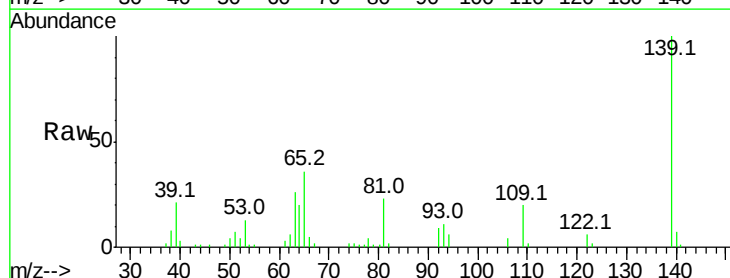
RT: 10.19 min Scan# 1251

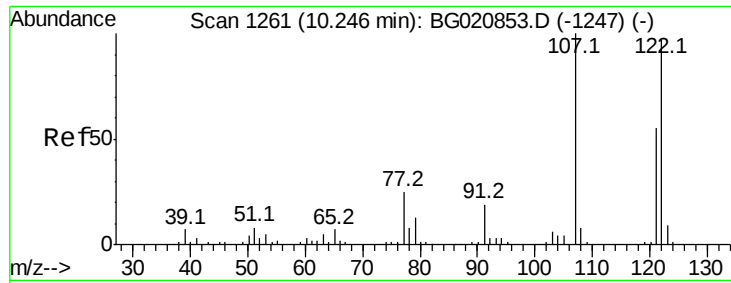
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 32605 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 20.3  | 17.6  | 26.4  |
| 65        | 36.2  | 31.0  | 46.6  |





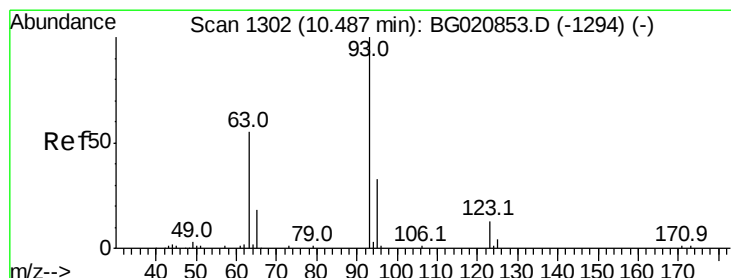
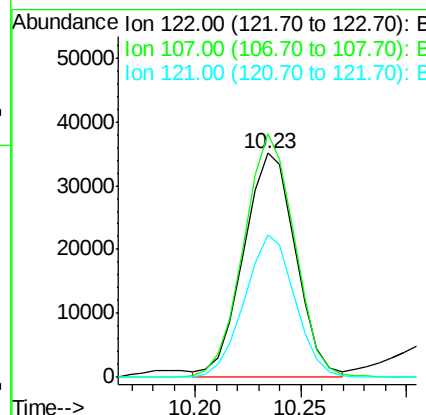
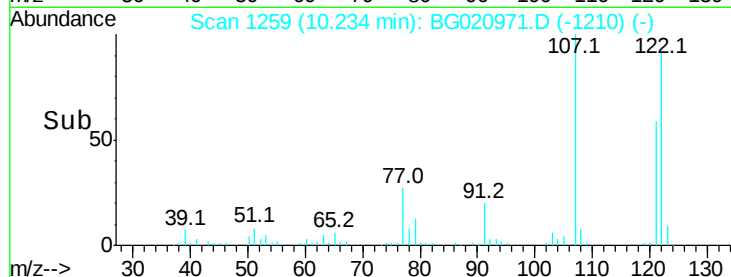
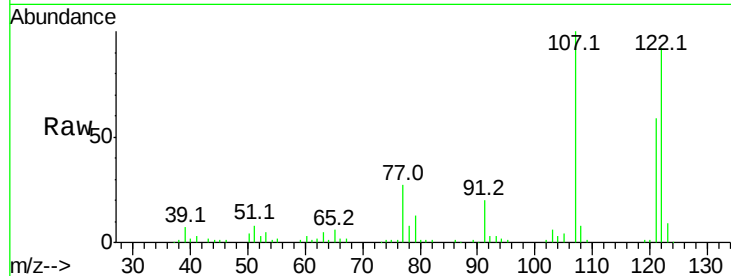
#27  
 2,4-Dimethylphenol  
 Concen: 37.77 ng  
 RT: 10.23 min Scan# 1259  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 108.6 | 82.6  | 124.0 |
| 121     | 63.8  | 45.6  | 68.4  |

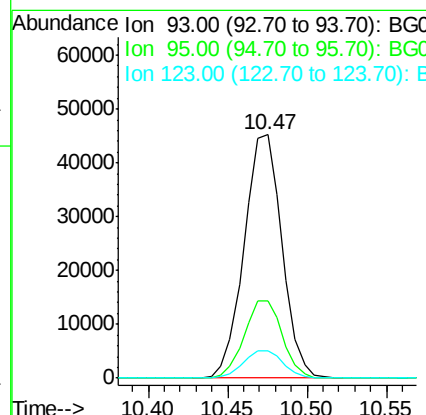
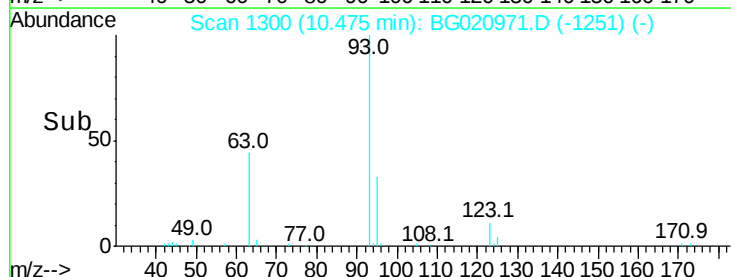
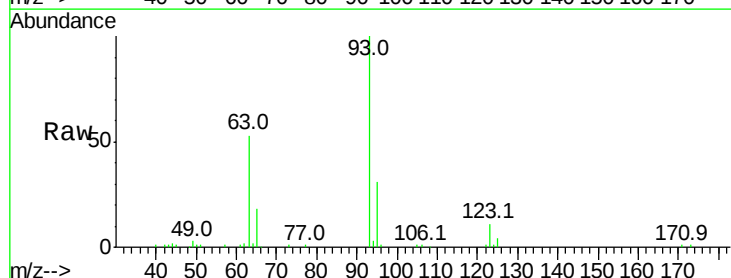
Manual Integrations  
 APPROVED

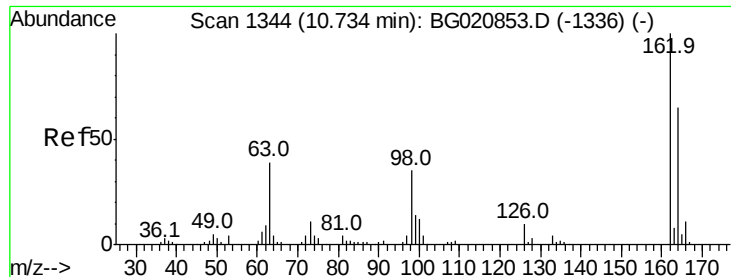
UMANGI  
 2/22/2016 10:55:22 AM



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 38.25 ng  
 RT: 10.47 min Scan# 1300  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.5  | 26.2  | 39.2  |
| 123     | 11.2  | 10.0  | 15.0  |





#29

2,4-Dichlorophenol

Concen: 42.24 ng

RT: 10.72 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

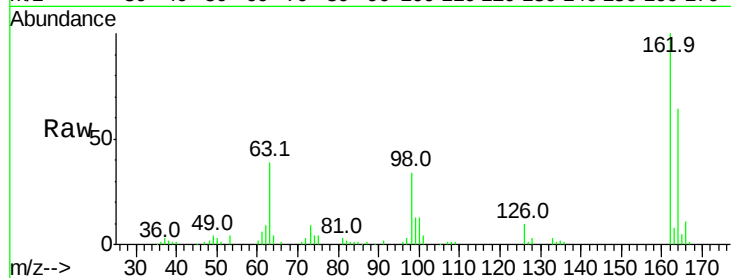
ClientSampleId :

PB88429BS

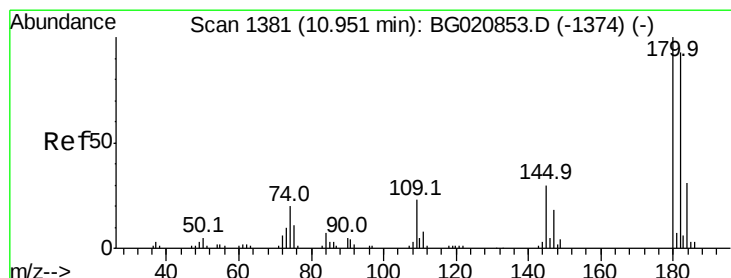
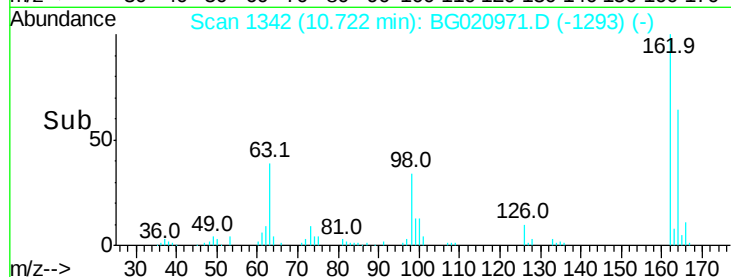
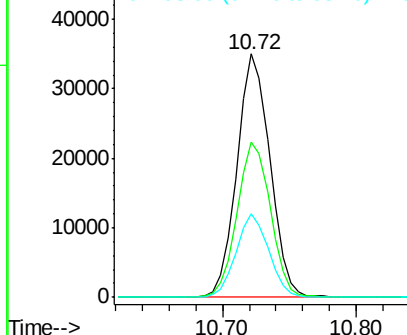
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 59986 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 63.7  | 44.5  | 84.5  |
| 98        | 34.2  | 14.9  | 54.9  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



Abundance Ion 162.00 (161.70 to 162.70): E  
Ion 164.00 (163.70 to 164.70): E  
Ion 98.00 (97.70 to 98.70): B



#30

1,2,4-Trichlorobenzene

Concen: 37.74 ng

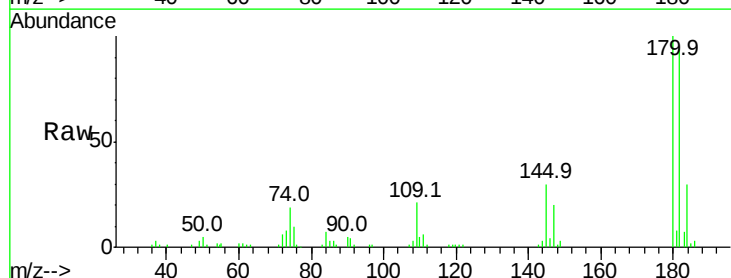
RT: 10.94 min Scan# 1380

Delta R.T. -0.01 min

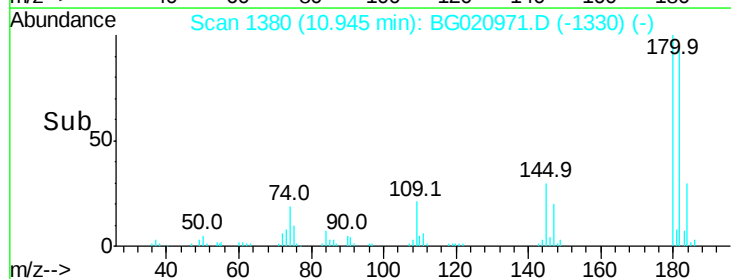
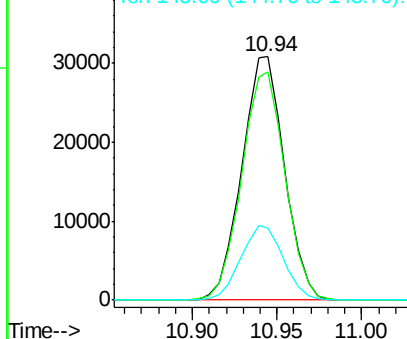
Lab File: BG020971.D

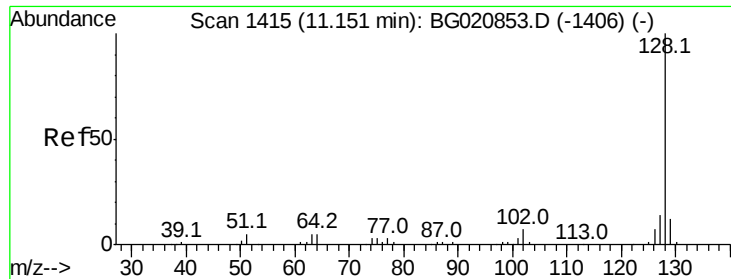
Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 53987 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.6  | 74.1  | 111.1 |
| 145       | 29.6  | 24.1  | 36.1  |



Abundance Ion 180.00 (179.70 to 180.70): E  
Ion 182.00 (181.70 to 182.70): E  
Ion 145.00 (144.70 to 145.70): E





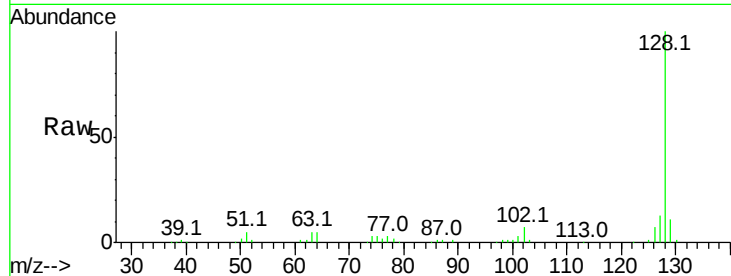
#31  
Naphthalene  
Concen: 37.01 ng  
RT: 11.13 min Scan# 1412  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

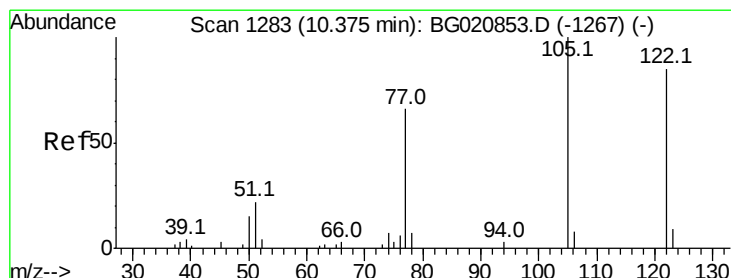
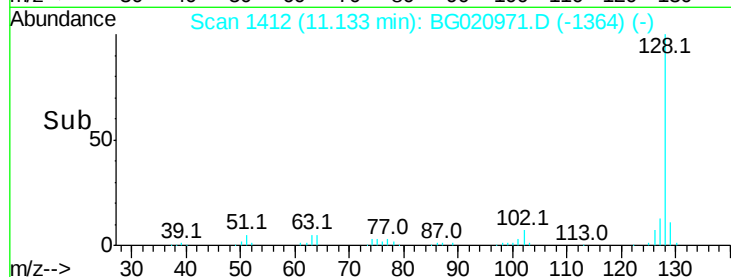
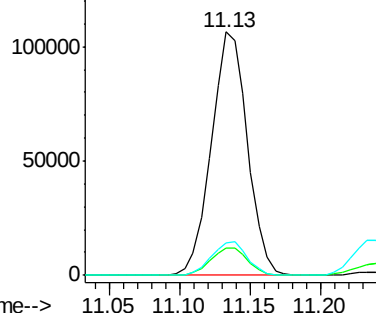
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 189780 |       |       |
| 129     | 11.0  |        | 9.3   | 13.9  |
| 127     | 13.2  |        | 11.4  | 17.2  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM

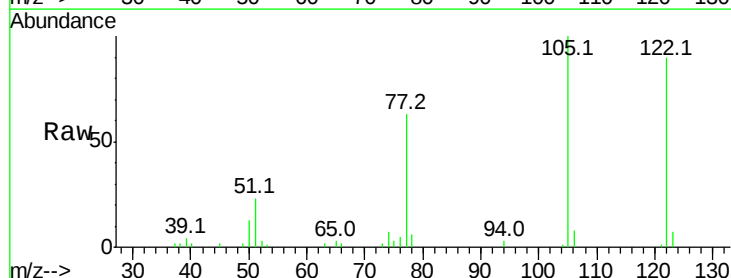


Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 127.00 (126.70 to 127.70): E

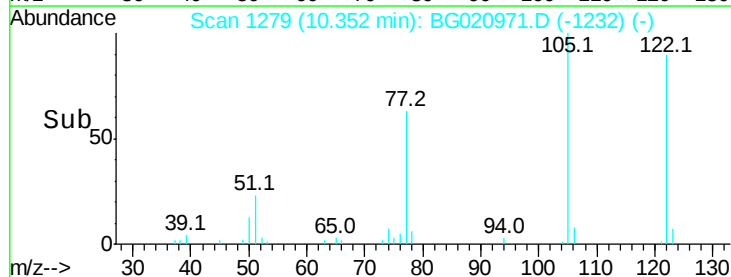
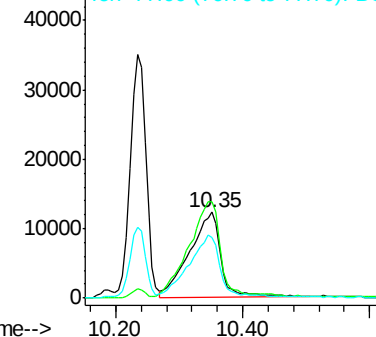


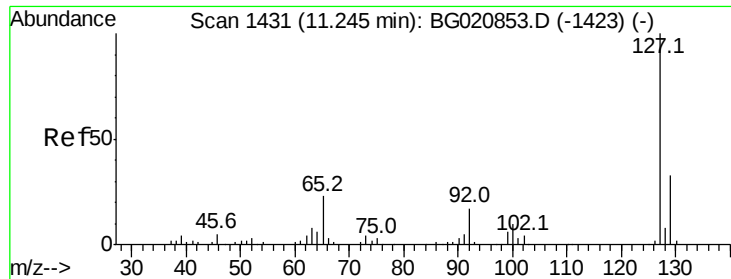
#32  
Benzoic acid  
Concen: 33.06 ng  
RT: 10.35 min Scan# 1279  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 42022 |       |       |
| 105     | 111.7 |       | 94.0  | 134.0 |
| 77      | 69.9  |       | 56.8  | 96.8  |



Abundance Ion 122.00 (121.70 to 122.70): E  
Ion 105.00 (104.70 to 105.70): E  
Ion 77.00 (76.70 to 77.70): BGO





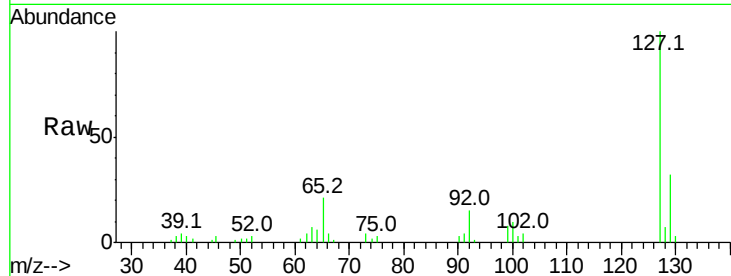
#33  
4-Chloroaniline  
Concen: 14.15 ng  
RT: 11.24 min Scan# 1430  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

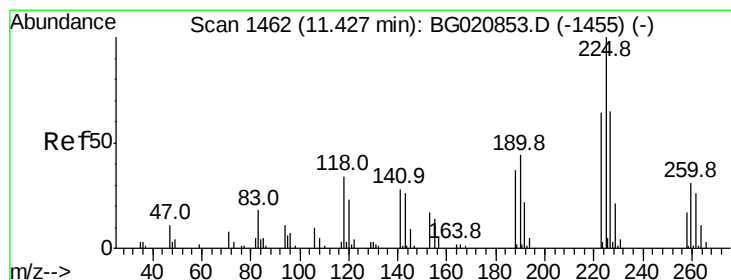
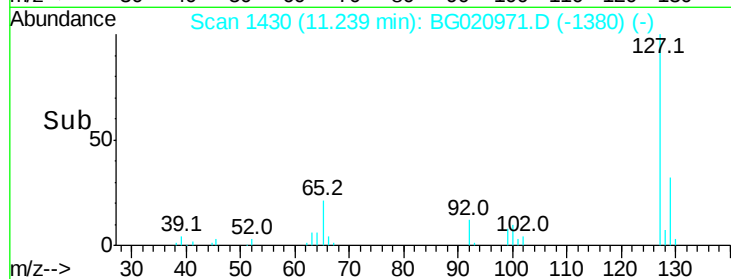
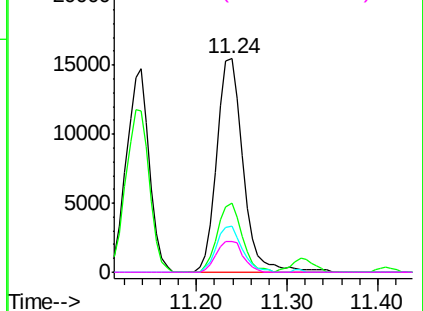
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.4  | 26.2  | 39.4  |
| 65      | 21.3  | 18.6  | 27.8  |
| 92      | 14.7  | 13.3  | 19.9  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM

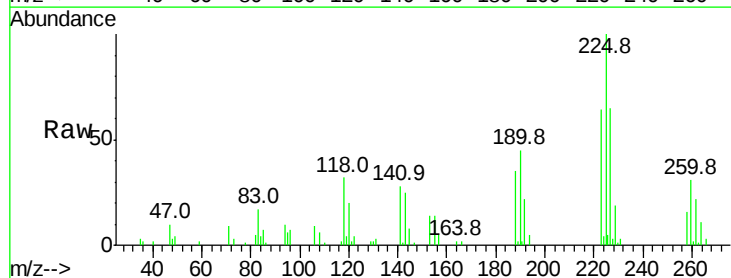


Abundance Ion 127.00 (126.70 to 127.70): E  
Ion 129.00 (128.70 to 129.70): E  
Ion 65.00 (64.70 to 65.70): BG  
Ion 92.00 (91.70 to 92.70): BG

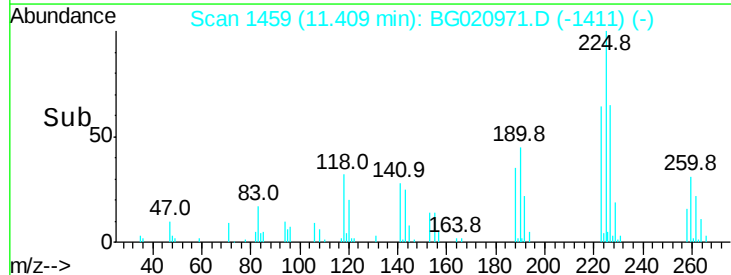
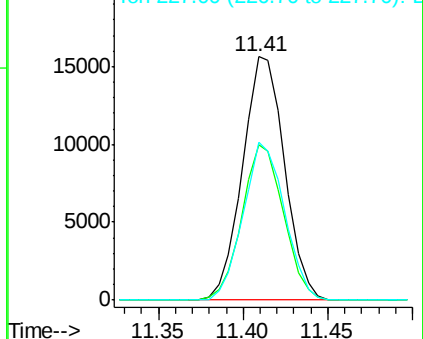


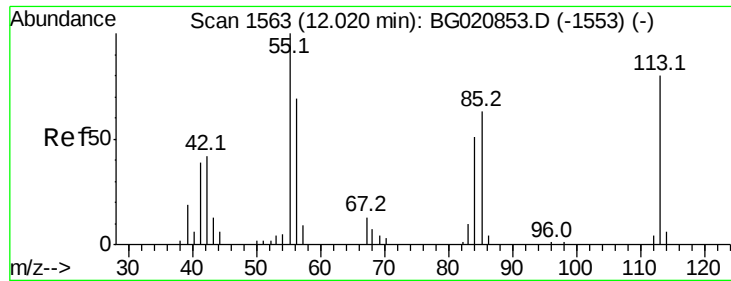
#34  
Hexachlorobutadiene  
Concen: 36.98 ng  
RT: 11.41 min Scan# 1459  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 63.6  | 51.0  | 76.6  |
| 227     | 64.6  | 51.7  | 77.5  |



Abundance Ion 225.00 (224.70 to 225.70): E  
Ion 223.00 (222.70 to 223.70): E  
Ion 227.00 (226.70 to 227.70): E





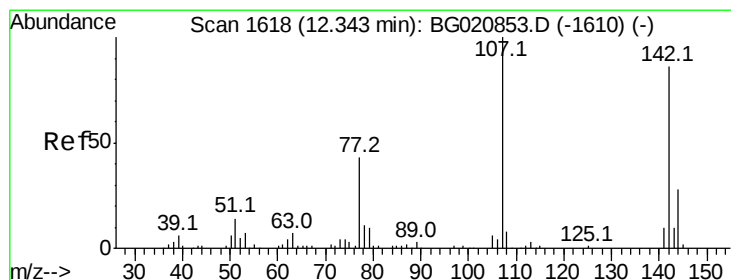
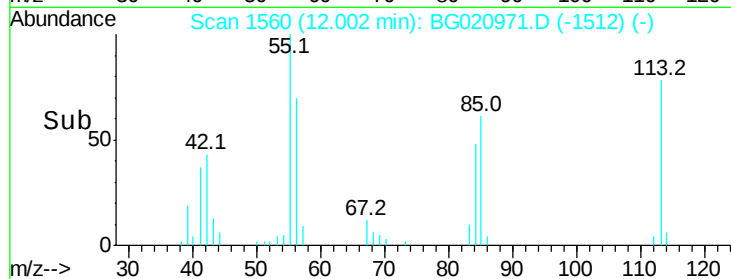
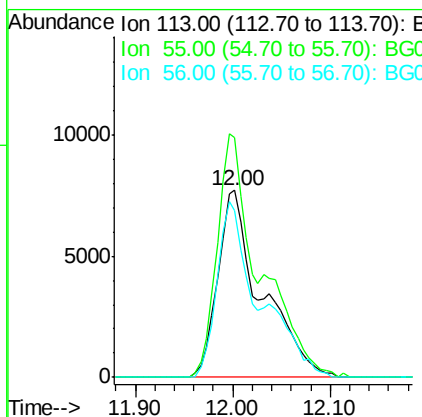
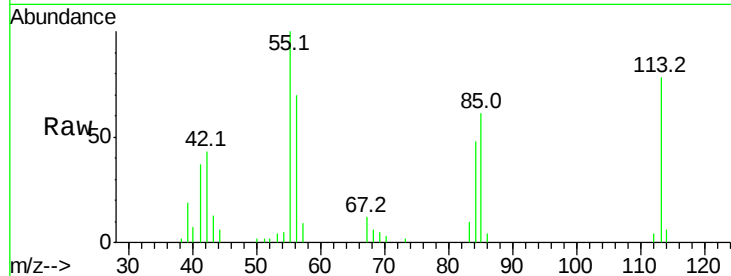
#35  
 Caprolactam  
 Concen: 43.86 ng/ml  
 RT: 12.00 min Scan# 1560  
 Delta R.T. -0.02 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB88429BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 55      | 128.2 | 104.4 | 144.4 |
| 56      | 89.5  | 65.4  | 105.4 |

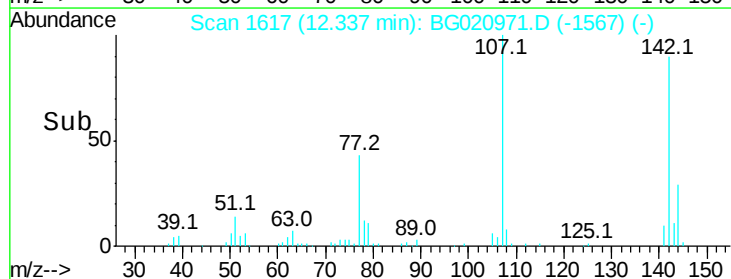
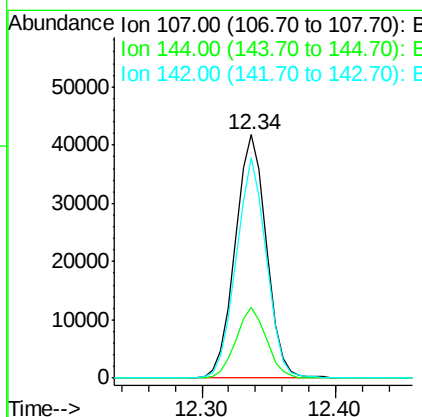
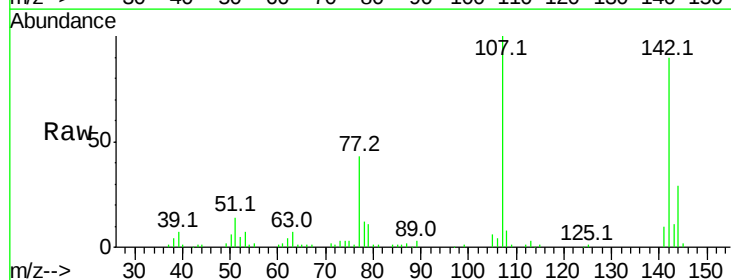
Manual Integrations  
 APPROVED

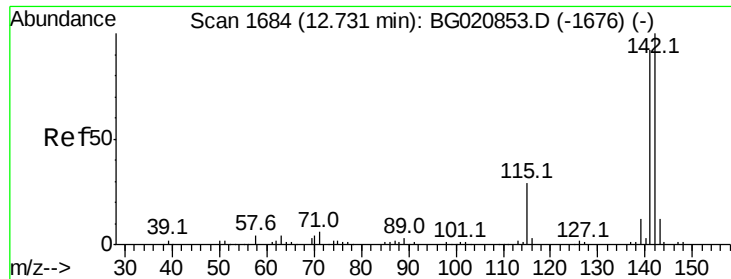
UMANGI  
 2/22/2016 10:55:22 AM



#36  
 4-Chloro-3-methylphenol  
 Concen: 41.56 ng/ml  
 RT: 12.34 min Scan# 1617  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 144     | 28.9  | 22.4  | 33.6  |
| 142     | 90.4  | 68.6  | 103.0 |





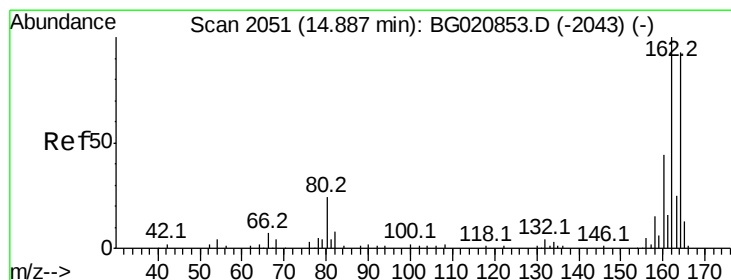
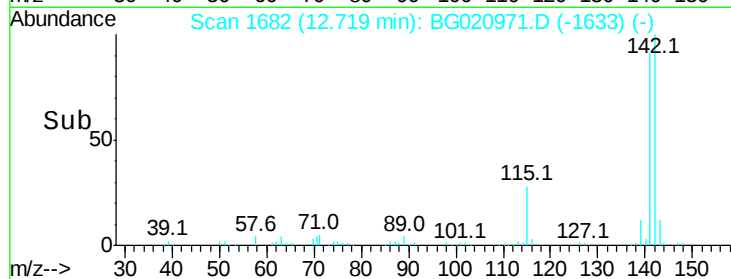
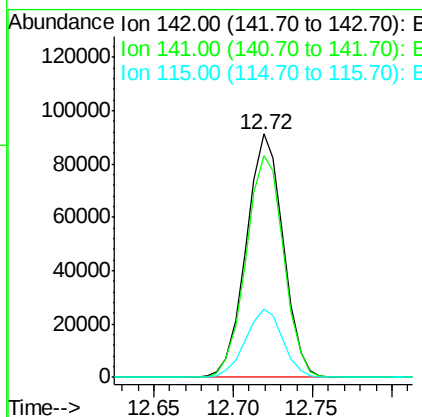
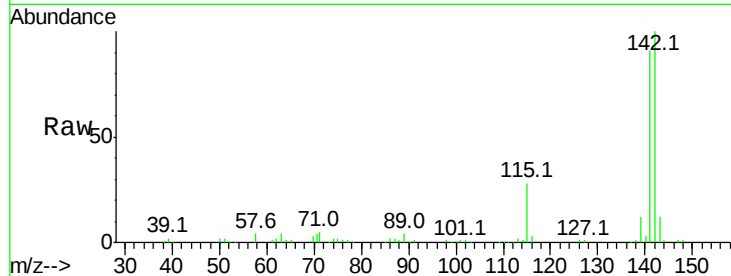
#37  
 2-Methylnaphthalene  
 Concen: 41.04 ng  
 RT: 12.72 min Scan# 1682  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.0  | 73.4  | 110.2 |
| 115     | 28.1  | 23.0  | 34.6  |

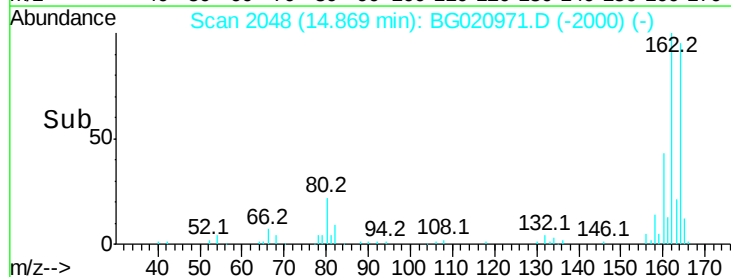
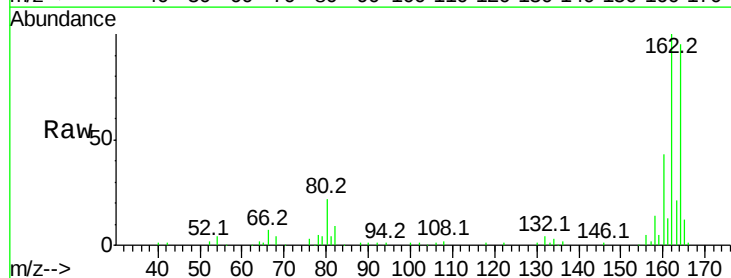
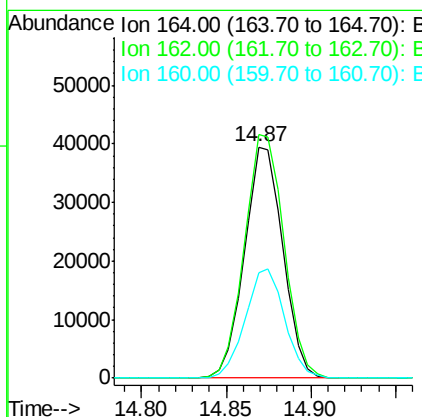
Manual Integrations  
 APPROVED

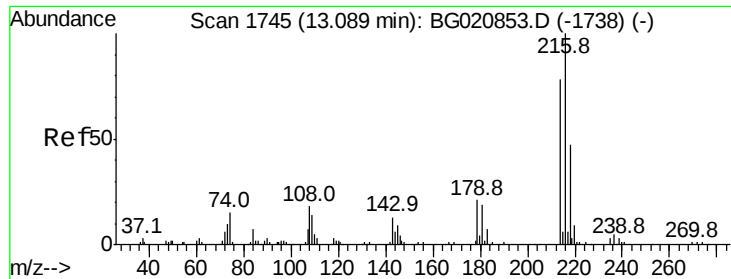
UMANGI  
 2/22/2016 10:55:22 AM



#38  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.87 min Scan# 2048  
 Delta R.T. -0.02 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 105.3 | 85.7  | 128.5 |
| 160     | 45.7  | 37.4  | 56.0  |





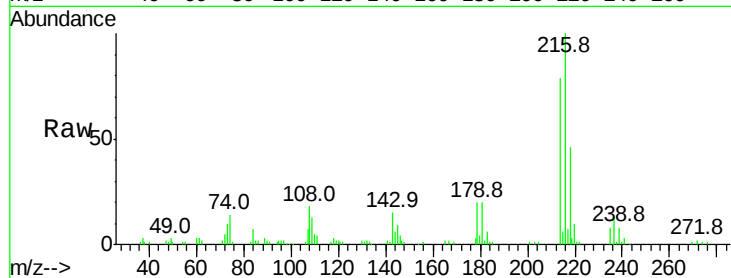
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 34.11 ng  
 RT: 13.08 min Scan# 1743  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

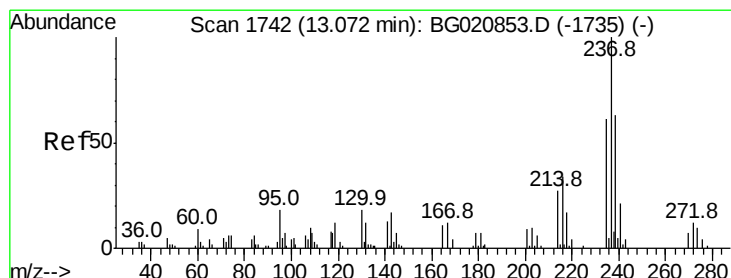
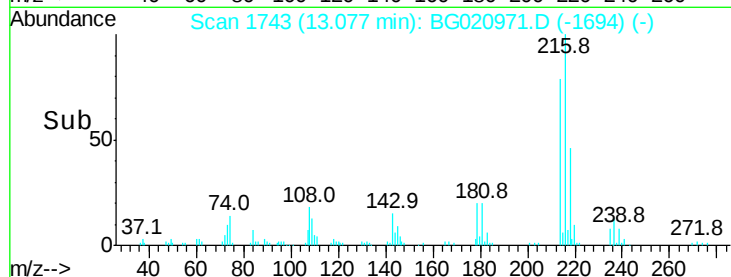
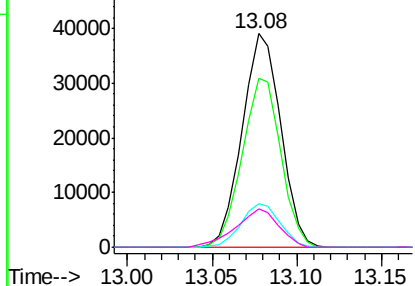
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 216     | 100   | 62305 |       |       |
| 214     | 78.7  | 61.9  | 92.9  |       |
| 179     | 20.4  | 16.5  | 24.7  |       |
| 108     | 20.0  | 15.1  | 22.7  |       |

Manual Integrations  
 APPROVED

UMANGI  
 2/22/2016 10:55:22 AM

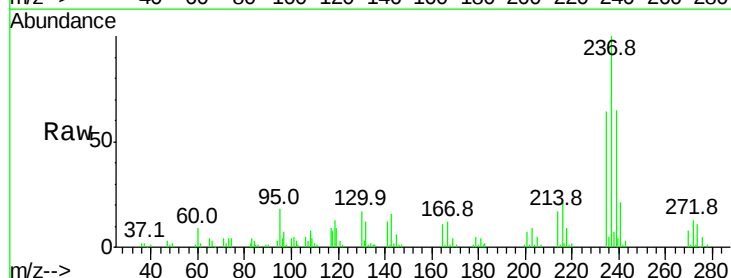


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

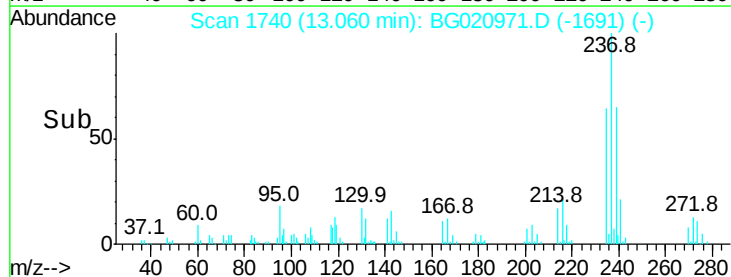
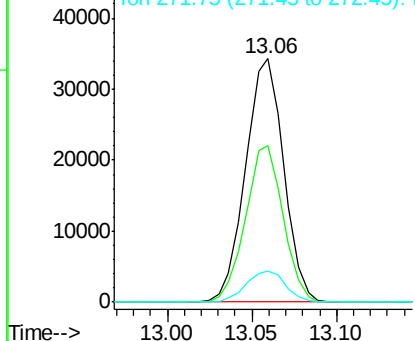


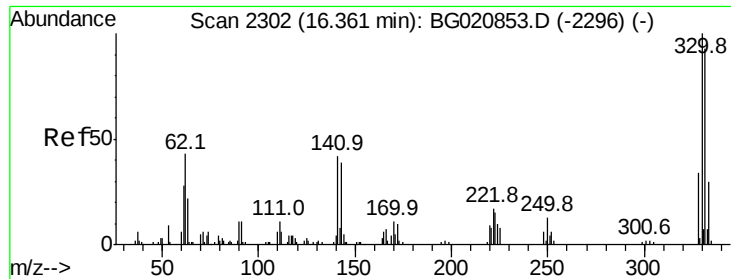
#40  
 Hexachlorocyclopentadiene  
 Concen: 66.77 ng  
 RT: 13.06 min Scan# 1740  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 237     | 100   | 53655 |       |       |
| 235     | 64.2  | 40.8  | 80.8  |       |
| 272     | 13.0  | 0.0   | 32.3  |       |



Abundance Ion 236.80 (236.50 to 237.50): E  
 Ion 234.90 (234.60 to 235.60): E  
 Ion 271.75 (271.45 to 272.45): E





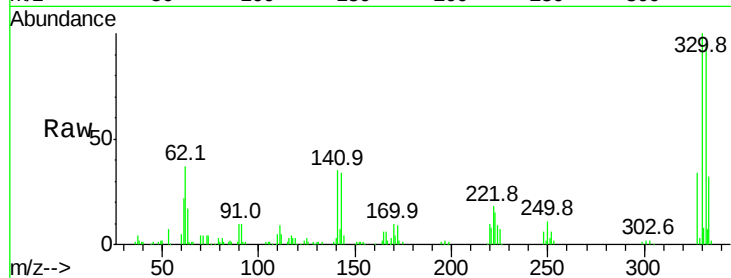
#41  
 2,4,6-Tribromophenol  
 Concen: 133.94 ng  
 RT: 16.36 min Scan# 2301  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

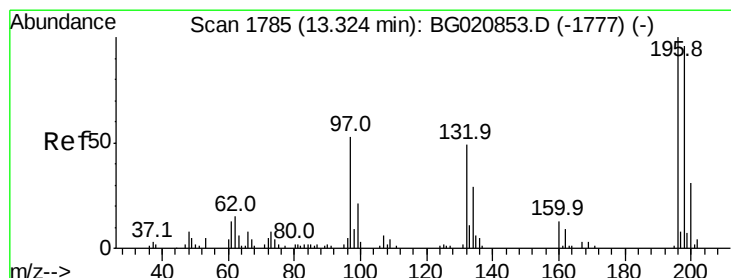
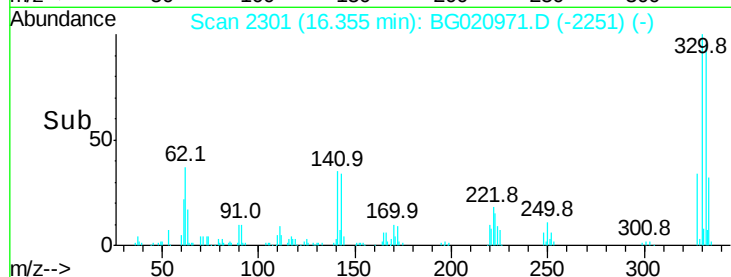
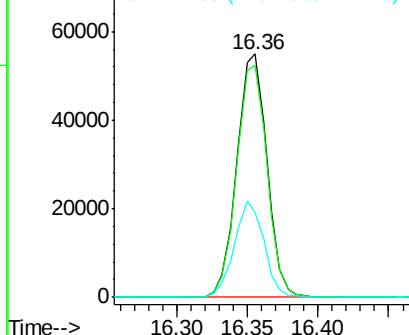
| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 330     | 100   | 82020 |       |       |
| 332     | 96.4  |       | 76.1  | 114.1 |
| 141     | 38.6  |       | 32.0  | 48.0  |

Manual Integrations  
 APPROVED

UMANGI  
 2/22/2016 10:55:22 AM



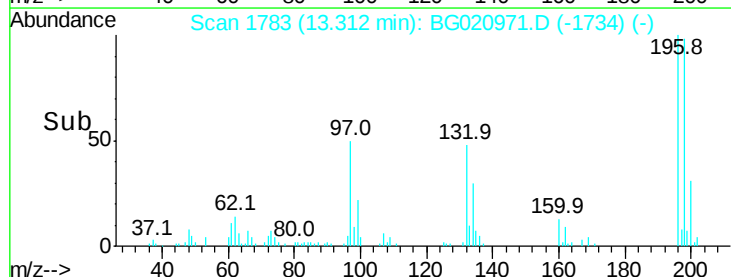
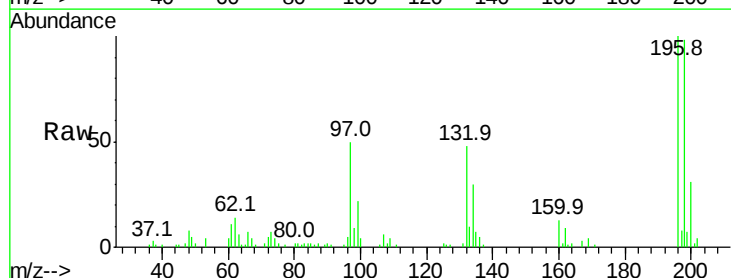
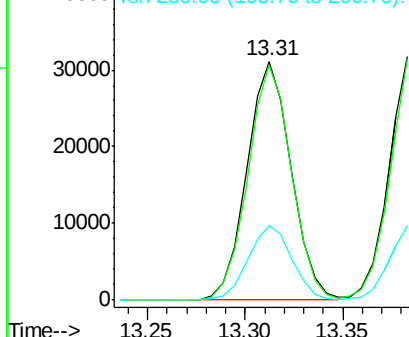
Abundance Ion 329.80 (329.50 to 330.50): E  
 Ion 331.80 (331.50 to 332.50): E  
 Ion 141.00 (140.70 to 141.70): E

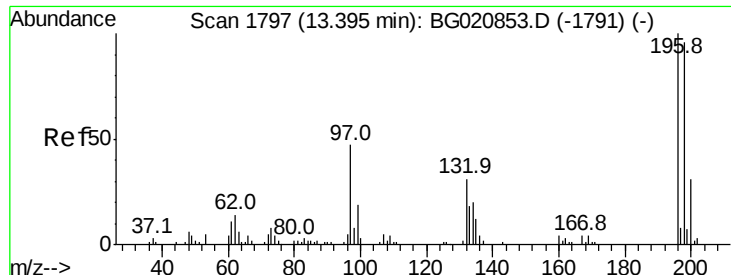


#42  
 2,4,6-Trichlorophenol  
 Concen: 39.57 ng  
 RT: 13.31 min Scan# 1783  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 48559 |       |       |
| 198     | 98.1  |       | 77.1  | 115.7 |
| 200     | 31.0  |       | 24.7  | 37.1  |

Abundance Ion 196.00 (195.70 to 196.70): E  
 Ion 198.00 (197.70 to 198.70): E  
 Ion 200.00 (199.70 to 200.70): E





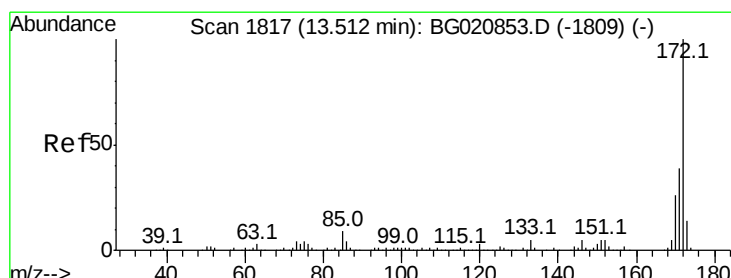
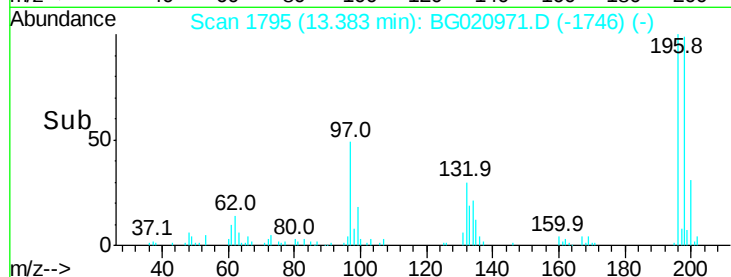
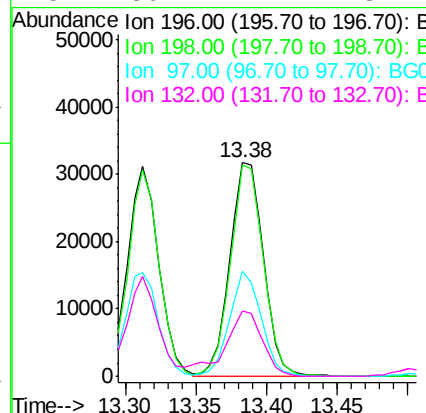
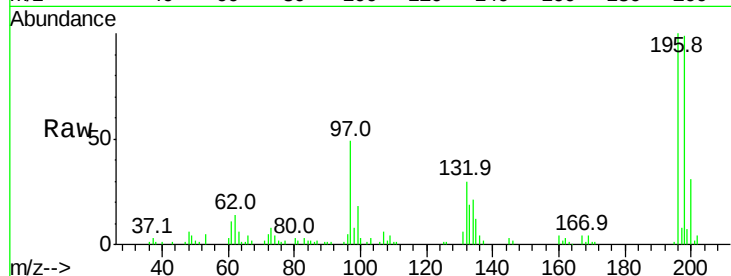
#43  
 2,4,5-Trichlorophenol  
 Concen: 40.83 ng  
 RT: 13.38 min Scan# 1795  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 196   | Resp: | 52680 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 98.9  | 76.4  | 114.6 |
| 97        | 49.1  | 37.4  | 56.0  |
| 132       | 30.4  | 24.7  | 37.1  |

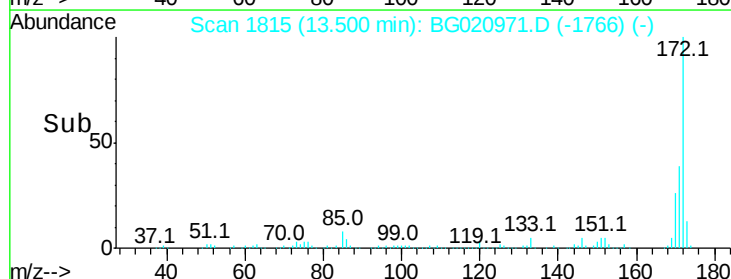
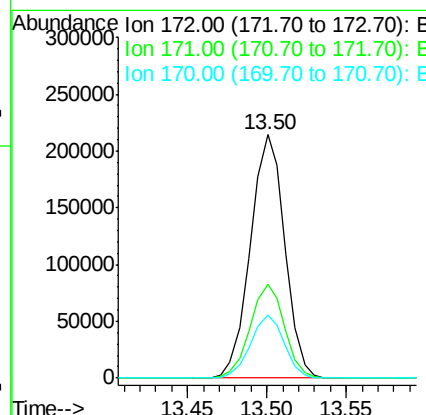
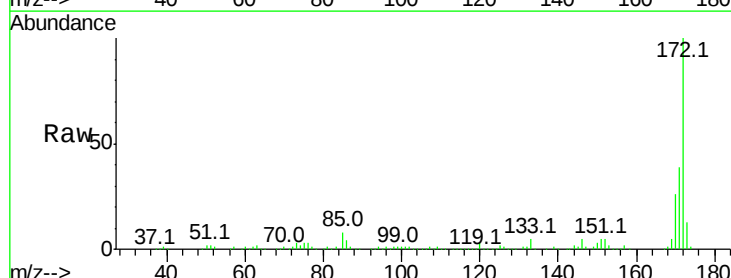
Manual Integrations  
 APPROVED

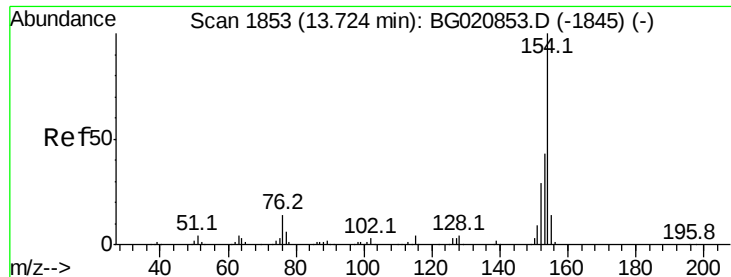
UMANGI  
 2/22/2016 10:55:22 AM



#44  
 2-Fluorobiphenyl  
 Concen: 72.61 ng  
 RT: 13.50 min Scan# 1815  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 172   | Resp: | 321878 |
| Ion Ratio | Lower | Upper |        |
| 172       | 100   |       |        |
| 171       | 38.7  | 31.2  | 46.8   |
| 170       | 25.9  | 20.6  | 30.8   |





#45

1,1'-Biphenyl

Concen: 34.59 ng

RT: 13.71 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

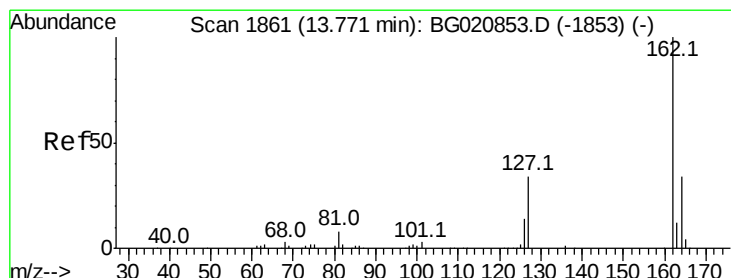
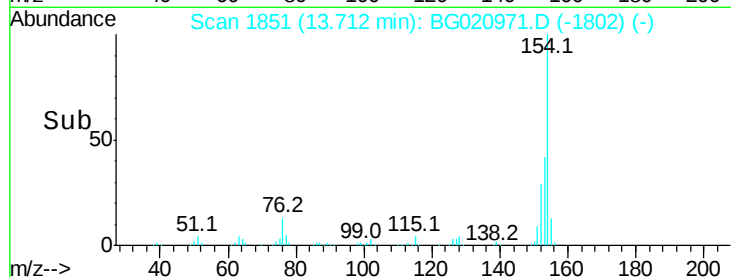
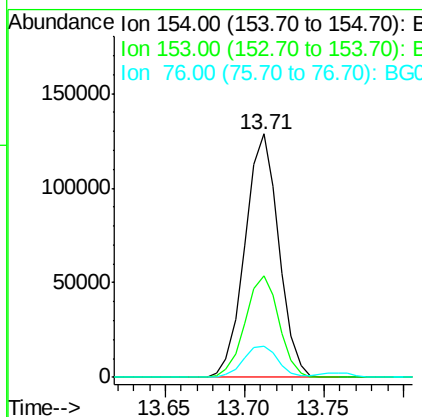
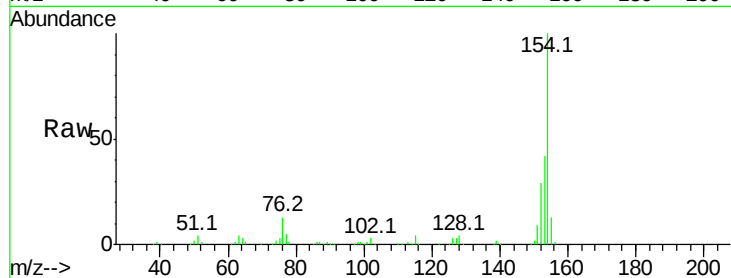
ClientSampleId :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 190038 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 41.8  | 22.5  | 62.5   |
| 76        | 12.8  | 0.0   | 33.8   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#46

2-Chloronaphthalene

Concen: 36.36 ng

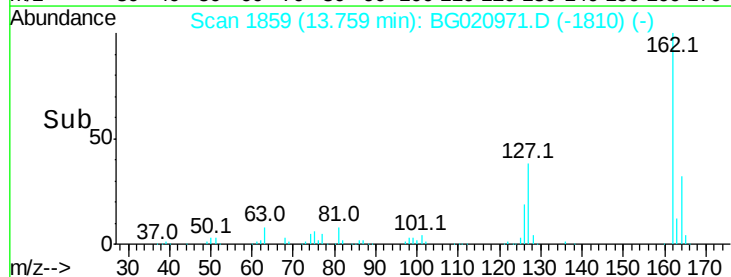
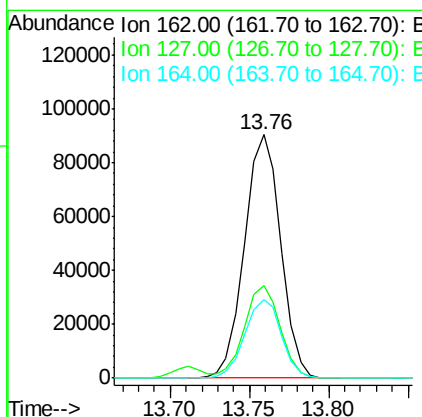
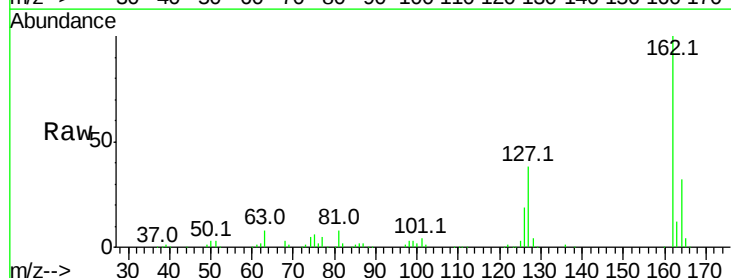
RT: 13.76 min Scan# 1859

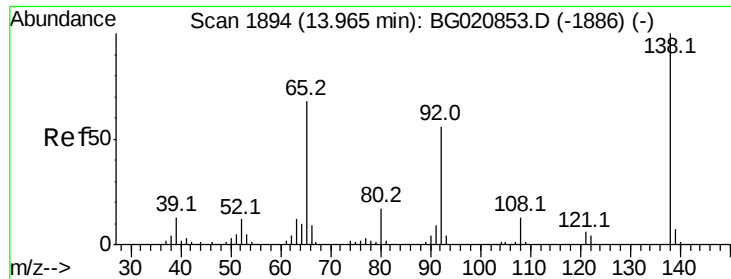
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 142987 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 127       | 38.1  | 30.6  | 45.8   |
| 164       | 32.4  | 26.8  | 40.2   |





#47

2-Nitroaniline

Concen: 39.92 ng

RT: 13.95 min Scan# 1892

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

ClientSampleId :

PB88429BS

Tot Ion: 65 Resp: 37600

Ion Ratio Lower Upper

65 100

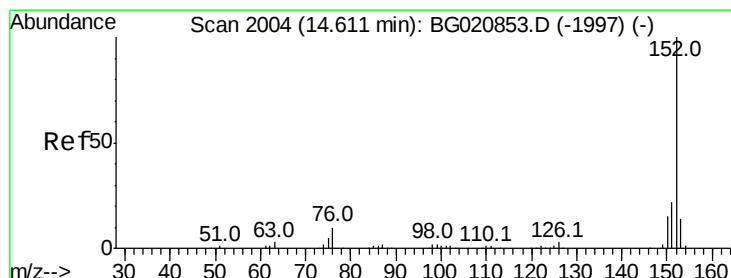
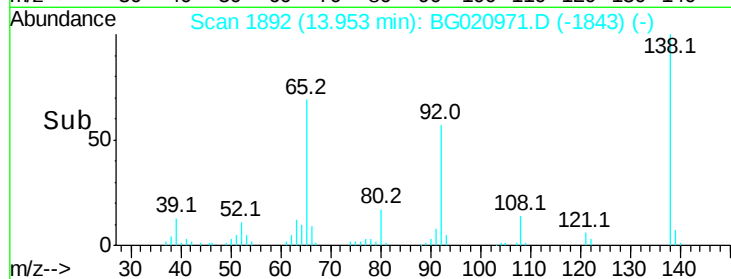
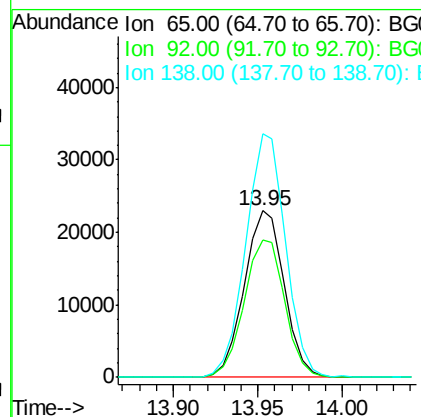
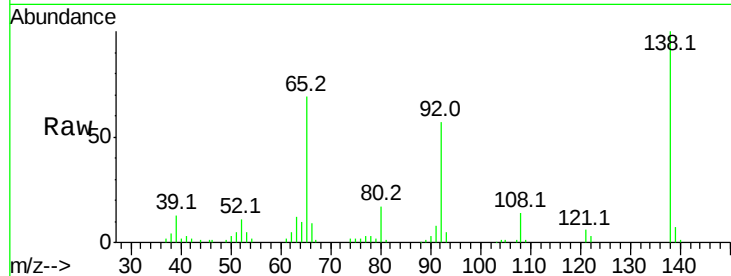
92 82.6 65.8 98.8

138 146.0 117.1 175.7

Manual Integrations  
APPROVED

UMANGI

2/22/2016 10:55:22 AM



#48

Acenaphthylene

Concen: 37.37 ng

RT: 14.60 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

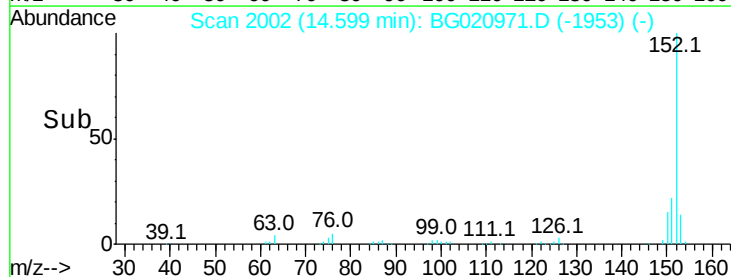
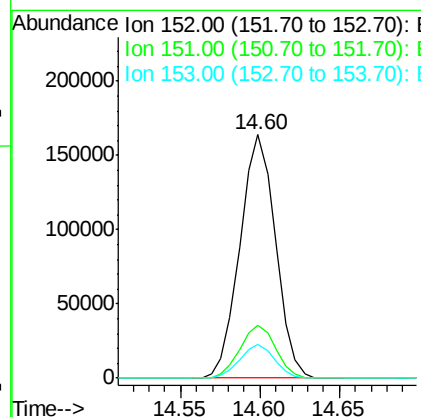
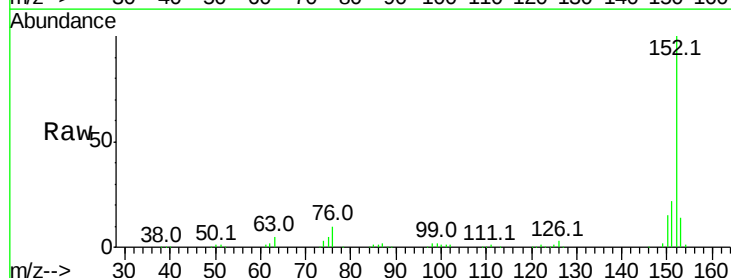
Tgt Ion: 152 Resp: 255543

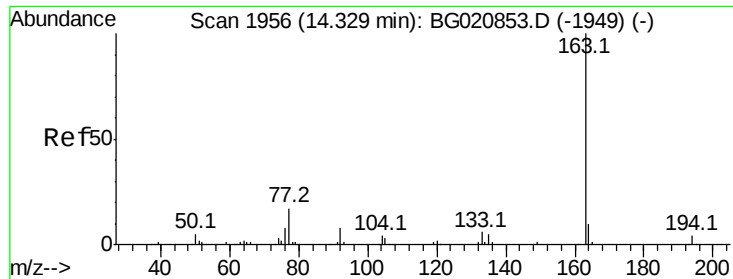
Ion Ratio Lower Upper

152 100

151 21.6 17.5 26.3

153 13.8 10.9 16.3





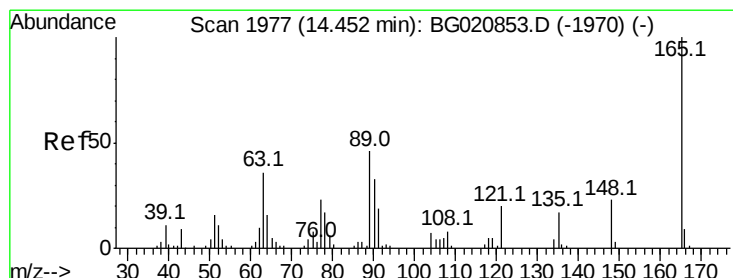
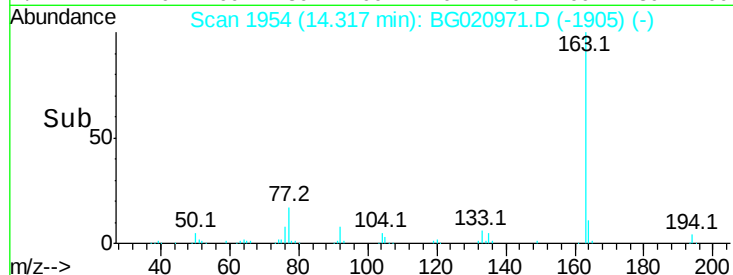
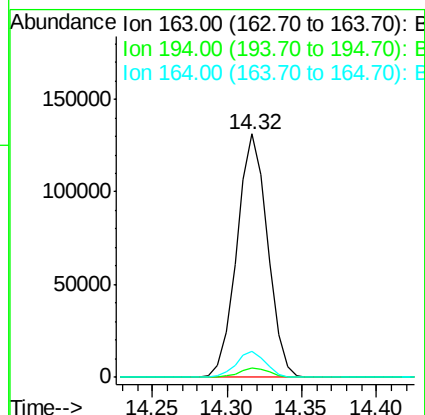
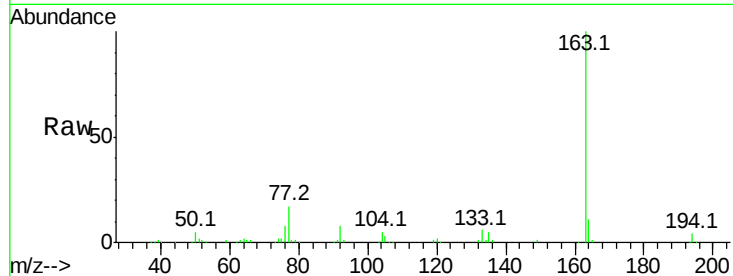
#49  
Dimethylphthalate  
Concen: 38.45 ng  
RT: 14.32 min Scan# 1954  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 163     | 100   |            |            |
| 194     | 3.7   | 3.1        | 4.7        |
| 164     | 10.5  | 8.3        | 12.5       |

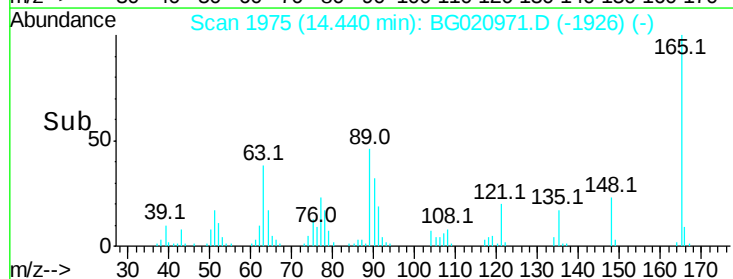
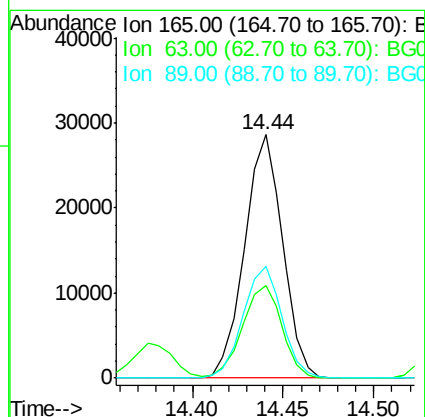
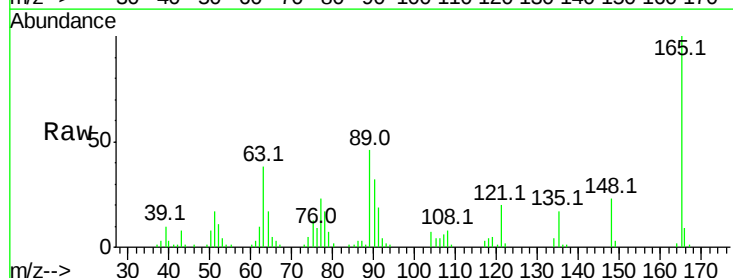
Manual Integrations  
APPROVED

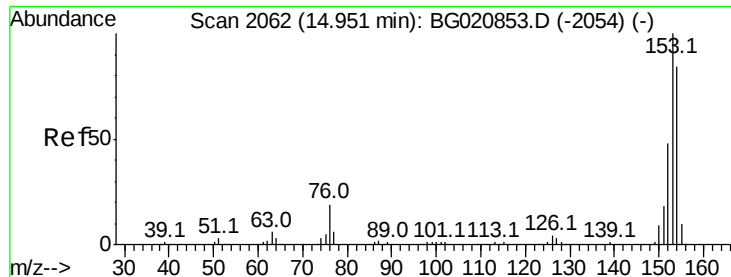
UMANGI  
2/22/2016 10:55:22 AM



#50  
2,6-Dinitrotoluene  
Concen: 40.15 ng  
RT: 14.44 min Scan# 1975  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 38.3  | 30.3       | 45.5       |
| 89      | 46.0  | 36.9       | 55.3       |





#51

Acenaphthene

Concen: 39.82 ng

RT: 14.94 min Scan# 2060

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

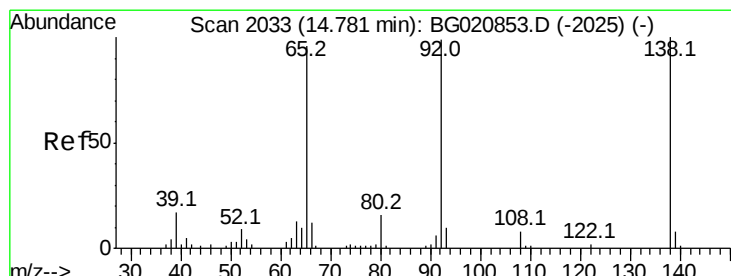
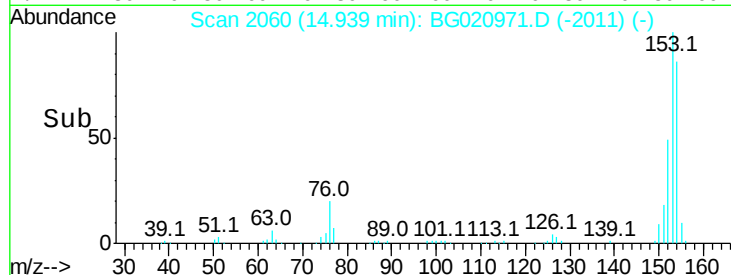
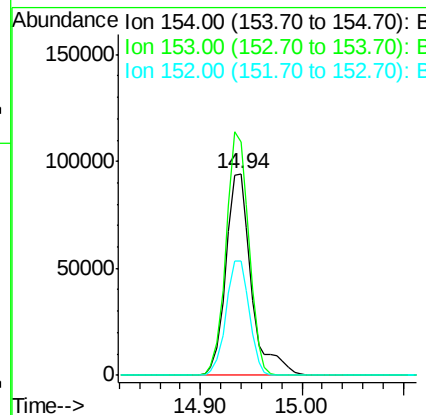
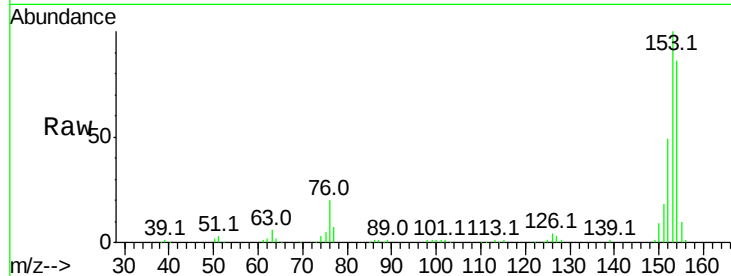
ClientSampleId :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 165124 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 115.9 | 95.4  | 143.0  |
| 152       | 56.4  | 46.1  | 69.1   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#52

3-Nitroaniline

Concen: 28.96 ng

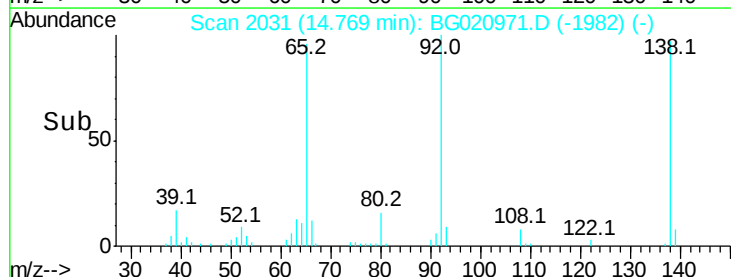
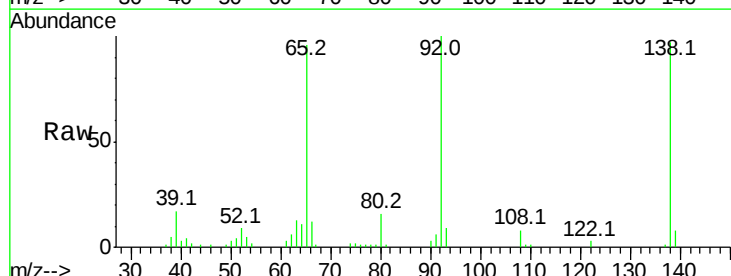
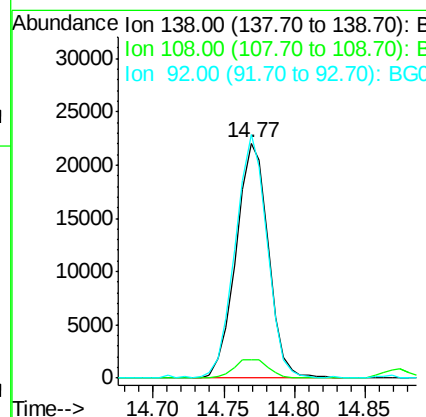
RT: 14.77 min Scan# 2031

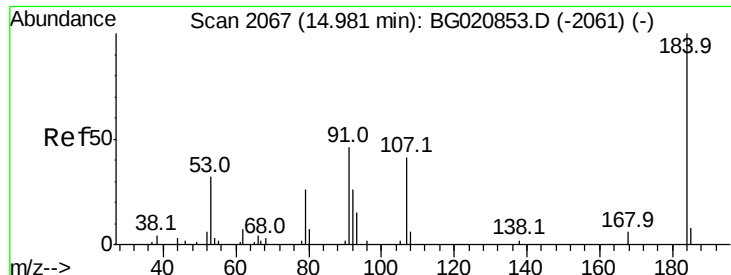
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 35114 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 8.0   | 6.2   | 9.2   |
| 92        | 103.5 | 79.5  | 119.3 |





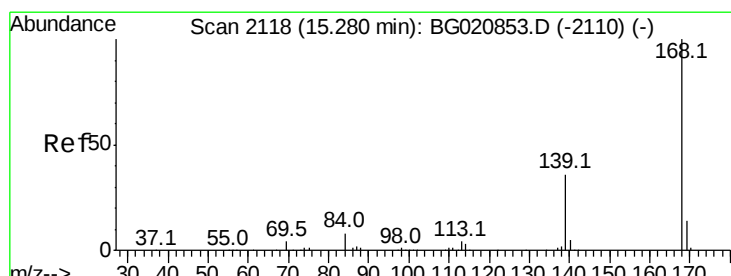
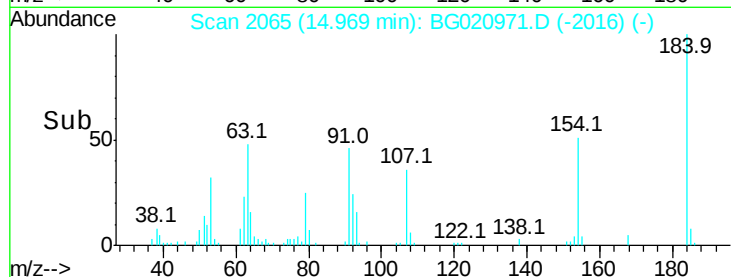
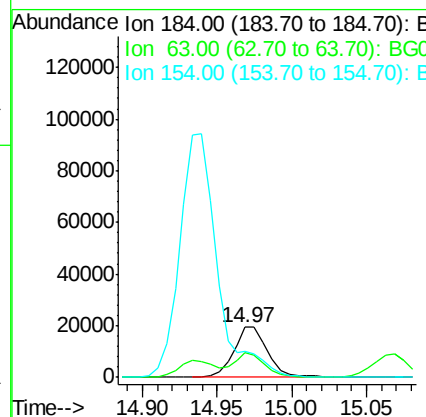
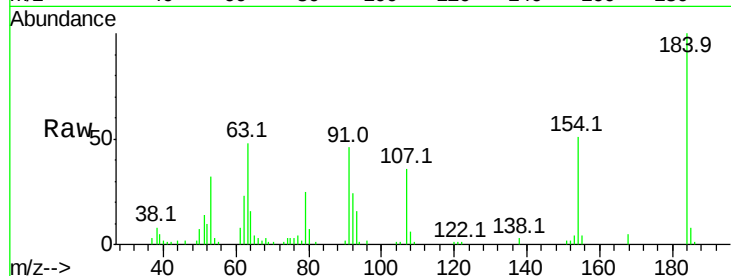
#53  
 2,4-Dinitrophenol  
 Concen: 70.51 ng  
 RT: 14.97 min Scan# 2065  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 184     | 100   |      |       |       |
| 63      | 48.4  | 39.8 | 59.6  |       |
| 154     | 51.3  | 48.1 | 72.1  |       |

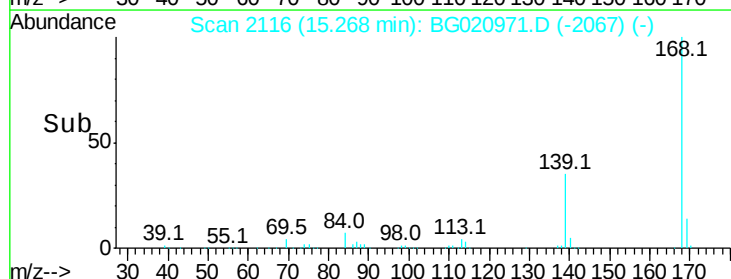
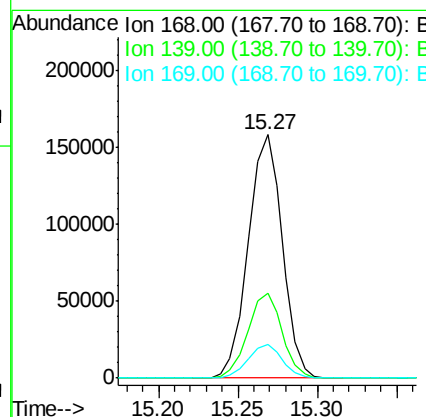
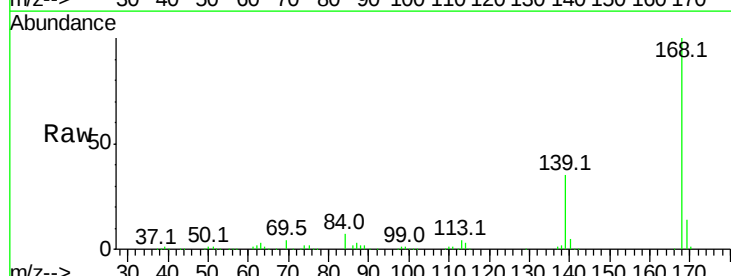
Manual Integrations  
 APPROVED

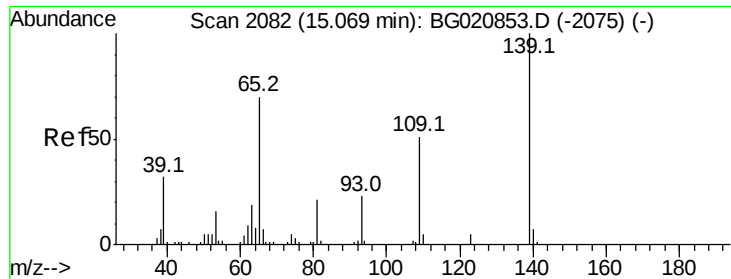
UMANGI  
 2/22/2016 10:55:22 AM



#54  
 Dibenzofuran  
 Concen: 42.93 ng  
 RT: 15.27 min Scan# 2116  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 34.9  | 28.5 | 42.7  |       |
| 169     | 13.8  | 11.0 | 16.4  |       |





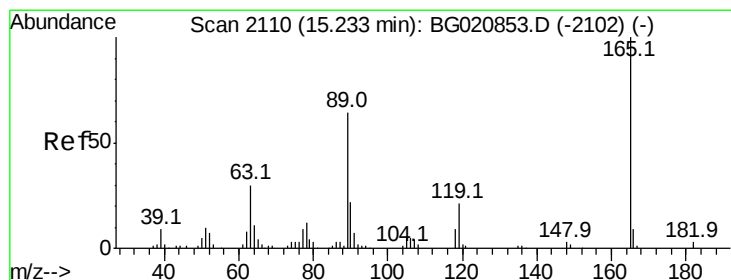
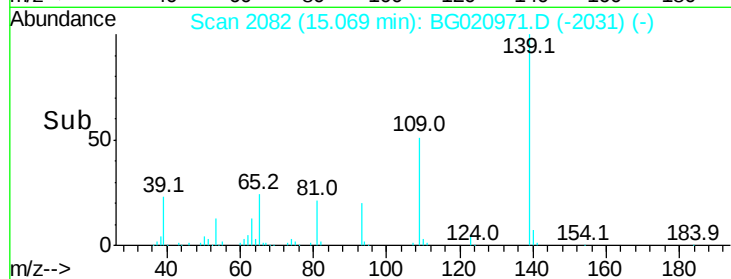
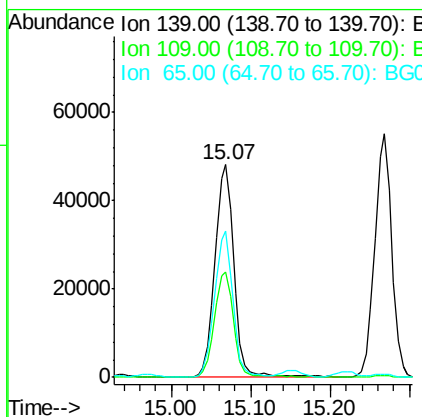
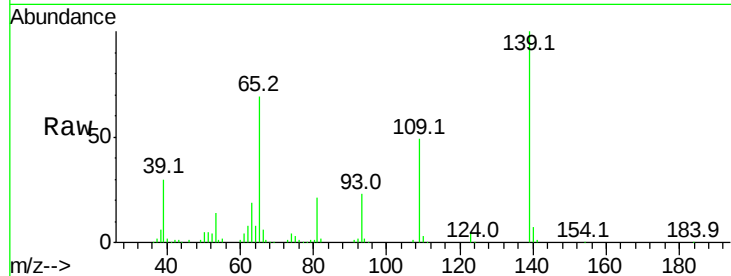
#55  
4-Nitrophenol  
Concen: 87.33 ng  
RT: 15.07 min Scan# 2082  
Delta R.T. -0.00 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 49.5  | 31.0 | 71.0  |       |
| 65      | 68.6  | 49.6 | 89.6  |       |

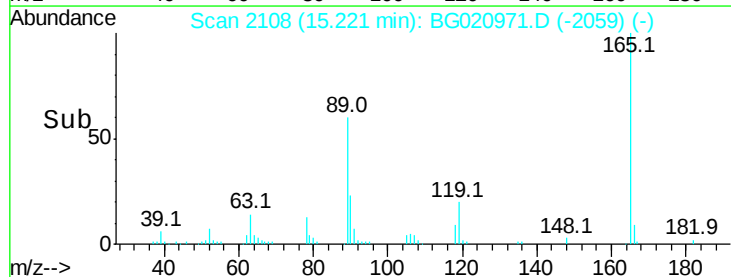
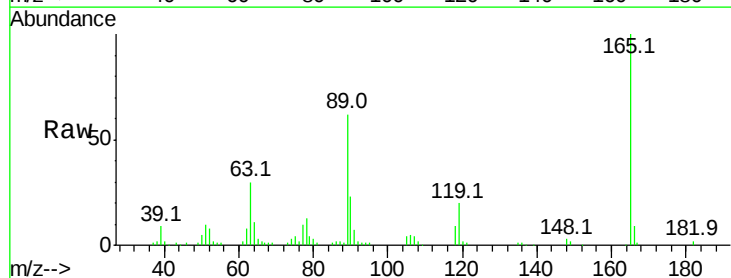
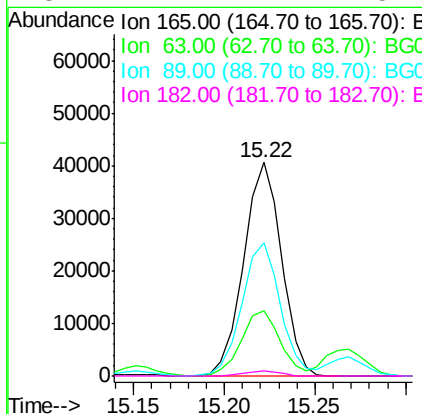
Manual Integrations  
APPROVED

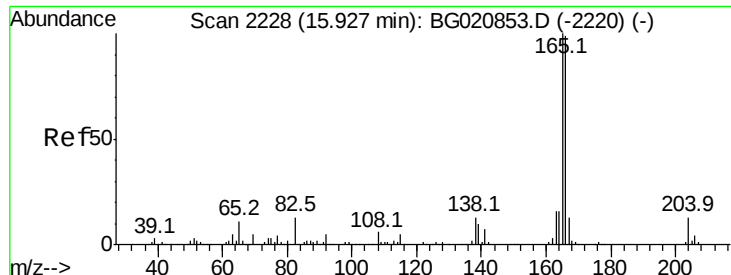
UMANGI  
2/22/2016 10:55:22 AM



#56  
2,4-Dinitrotoluene  
Concen: 43.66 ng  
RT: 15.22 min Scan# 2108  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 30.4  | 23.7 | 35.5  |       |
| 89      | 62.2  | 50.9 | 76.3  |       |
| 182     | 2.4   | 2.2  | 3.2   |       |





#57

Fluorene

Concen: 39.95 ng

RT: 15.91 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

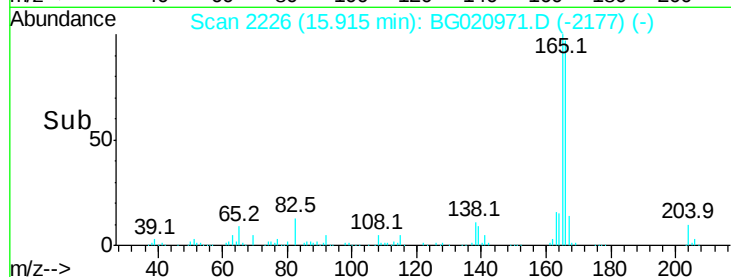
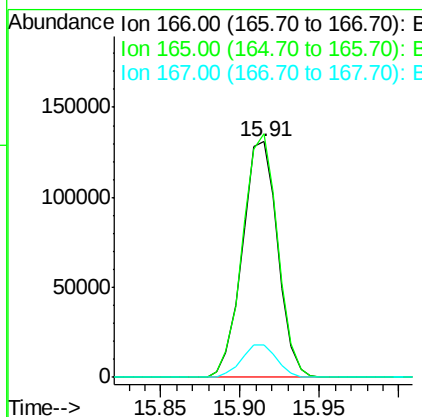
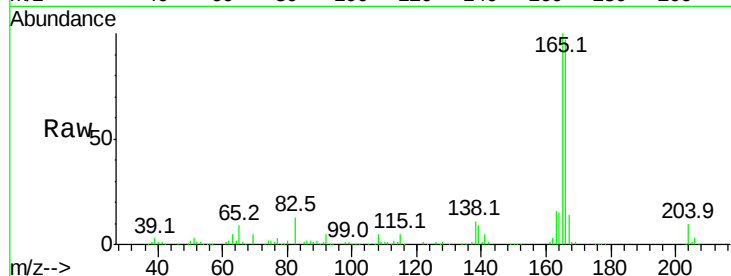
ClientSampleId :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 166   | Resp: | 201753 |
| Ion Ratio | Lower | Upper |        |
| 166       | 100   |       |        |
| 165       | 103.4 | 81.0  | 121.4  |
| 167       | 14.0  | 10.8  | 16.2   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#58

2,3,4,6-Tetrachlorophenol

Concen: 46.10 ng

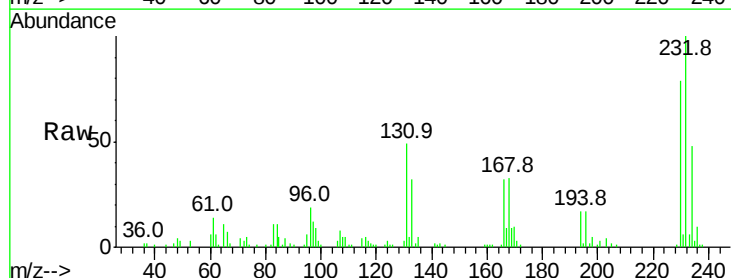
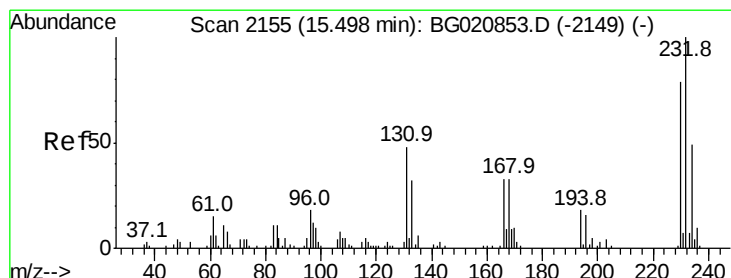
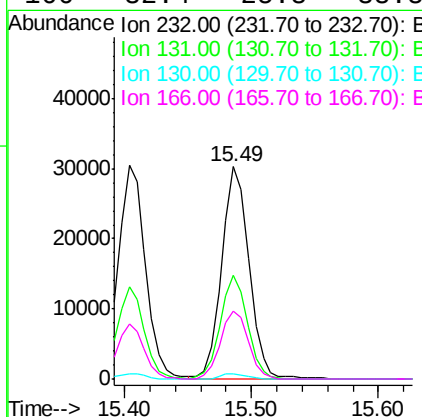
RT: 15.49 min Scan# 2153

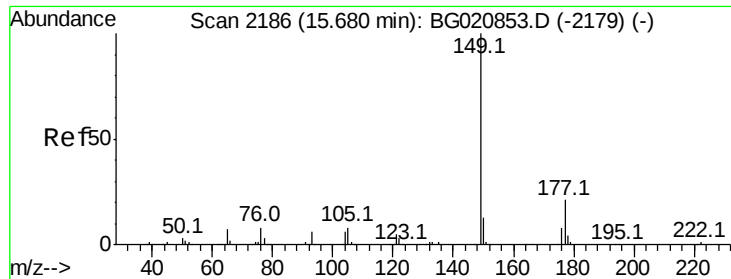
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 45326 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 48.2  | 39.2  | 58.8  |
| 130       | 2.3   | 2.0   | 3.0   |
| 166       | 32.4  | 25.8  | 38.8  |





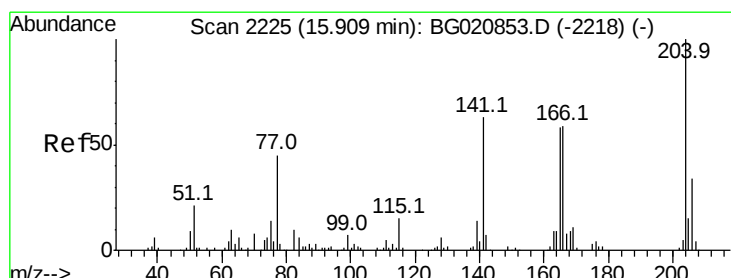
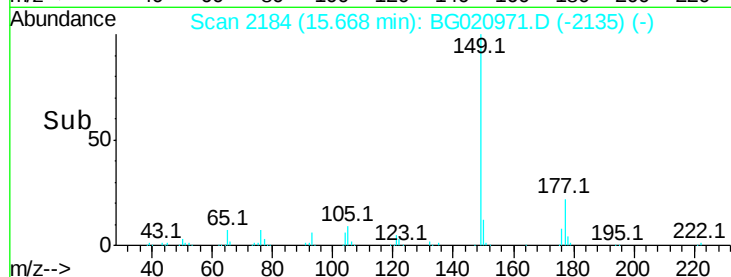
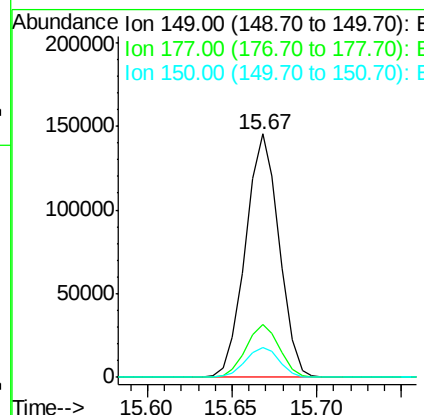
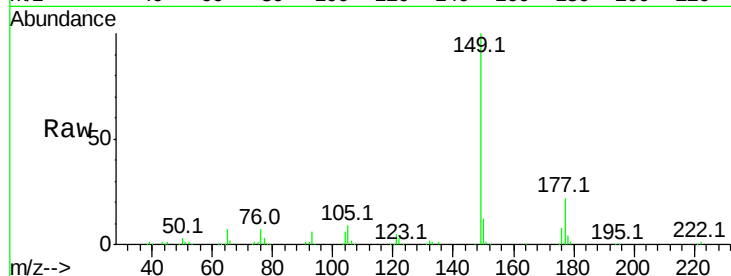
#59  
Diethylphthalate  
Concen: 40.10 ng  
RT: 15.67 min Scan# 2184  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 200728 |       |       |
| 177     | 21.8  |        | 16.9  | 25.3  |
| 150     | 12.2  |        | 10.1  | 15.1  |

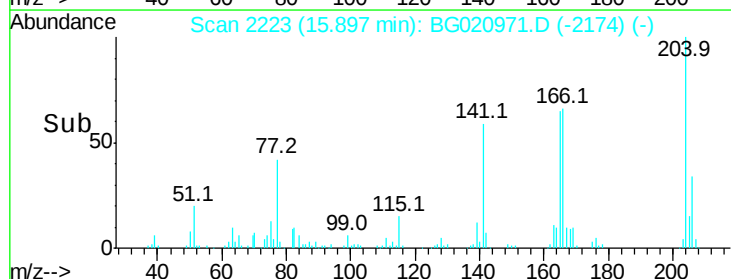
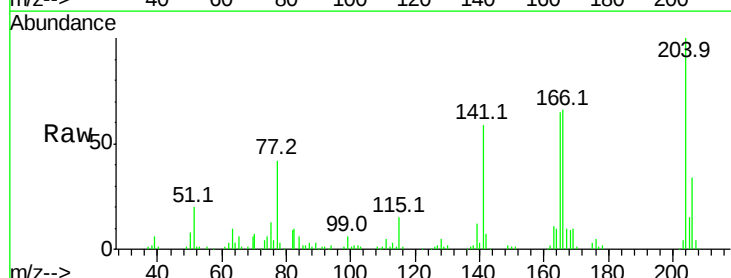
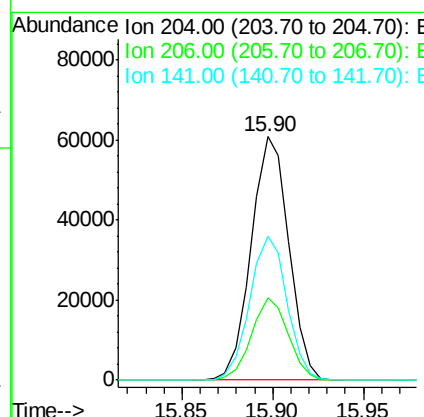
Manual Integrations  
APPROVED

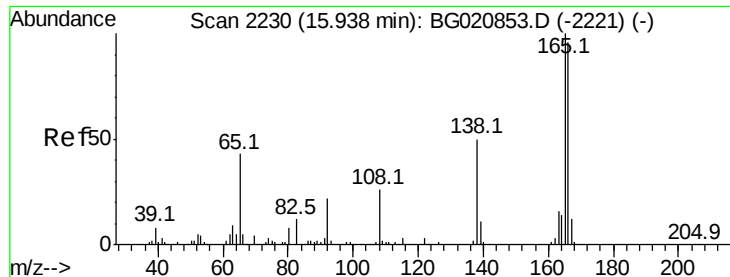
UMANGI  
2/22/2016 10:55:22 AM



#60  
4-Chlorophenyl-phenylether  
Concen: 38.94 ng  
RT: 15.90 min Scan# 2223  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 204     | 100   | 87357 |       |       |
| 206     | 34.0  |       | 26.9  | 40.3  |
| 141     | 59.0  |       | 50.3  | 75.5  |





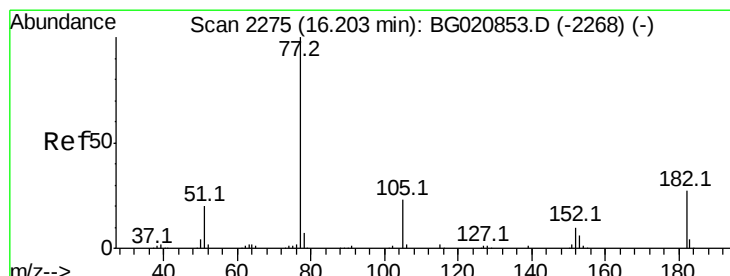
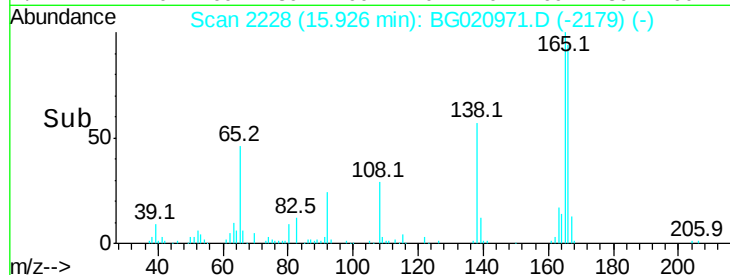
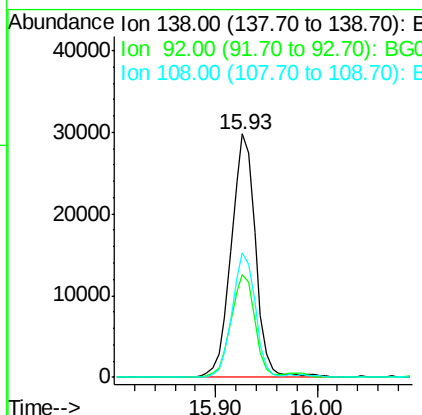
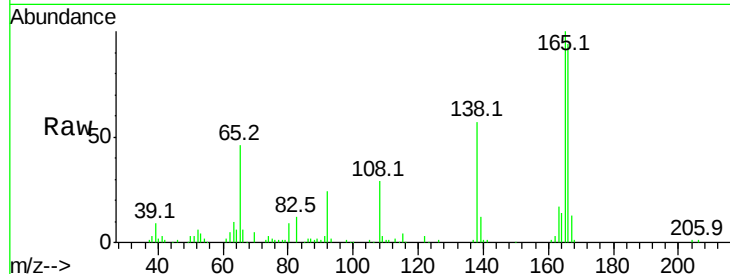
#61  
 4-Nitroaniline  
 Concen: 40.83 ng  
 RT: 15.93 min Scan# 2228  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 138   | Resp: | 49695 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 42.1  | 24.1  | 64.1  |
| 108       | 51.1  | 32.4  | 72.4  |

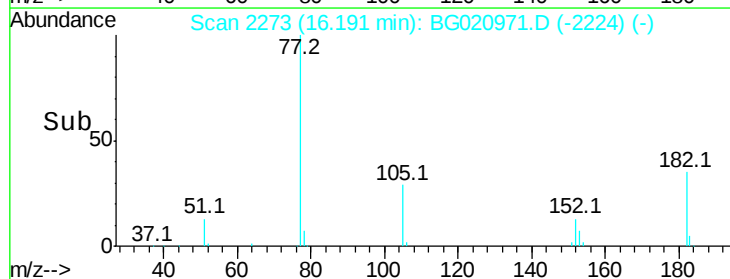
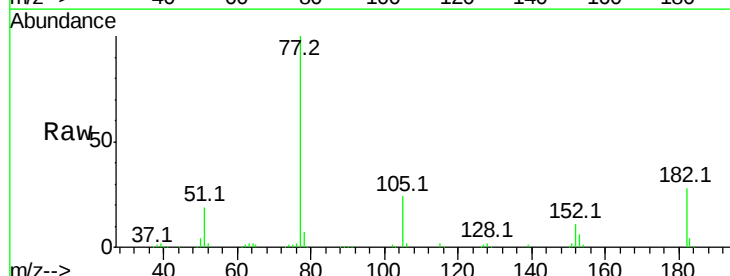
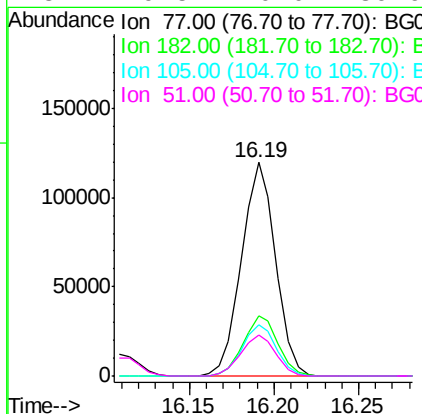
Manual Integrations  
 APPROVED

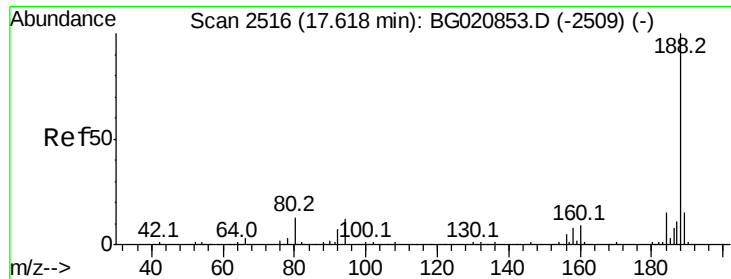
UMANGI  
 2/22/2016 10:55:22 AM



#62  
 Azobenzene  
 Concen: 42.60 ng  
 RT: 16.19 min Scan# 2273  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 77    | Resp: | 167663 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 182       | 28.4  | 6.8   | 46.8   |
| 105       | 24.1  | 3.4   | 43.4   |
| 51        | 19.5  | 0.0   | 39.9   |





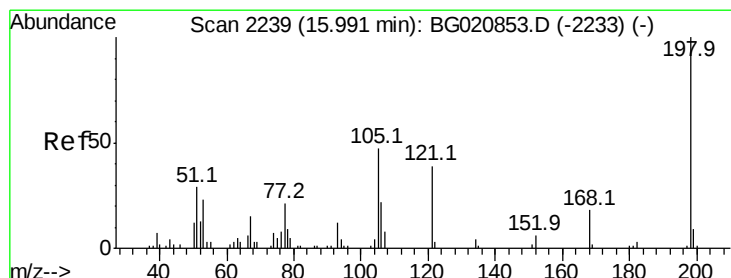
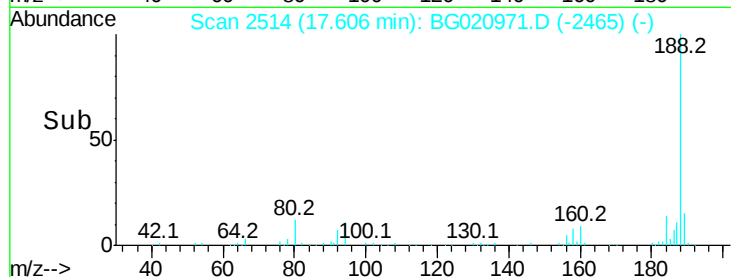
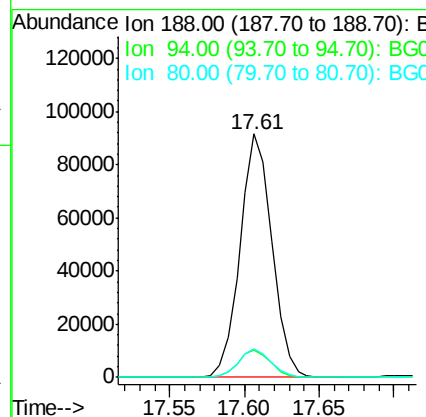
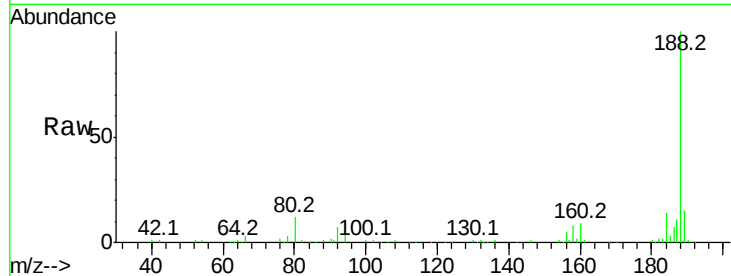
#63  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.61 min Scan# 2514  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 188     | 100   |            |            |
| 94      | 11.0  | 9.4        | 14.0       |
| 80      | 11.7  | 10.2       | 15.4       |

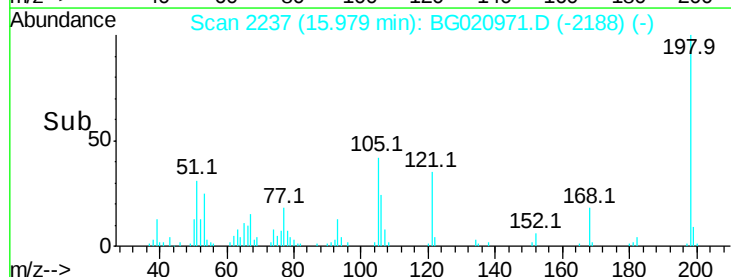
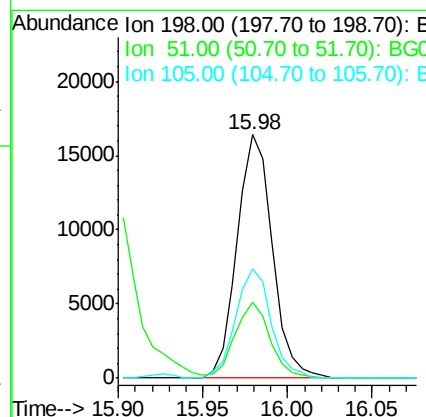
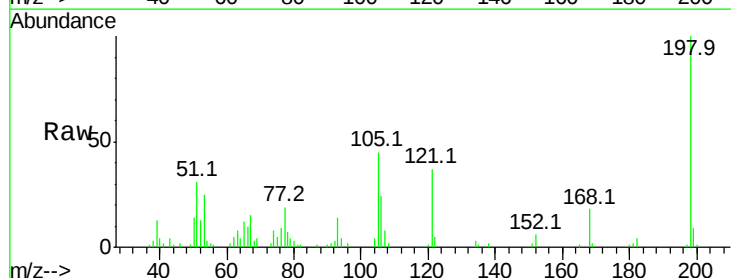
Manual Integrations  
 APPROVED

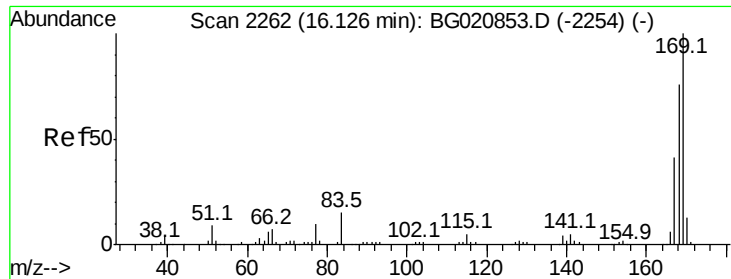
UMANGI  
 2/22/2016 10:55:22 AM



#64  
 4,6-Dinitro-2-methylphenol  
 Concen: 36.17 ng  
 RT: 15.98 min Scan# 2237  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 198     | 100   |            |            |
| 51      | 31.4  | 10.6       | 50.6       |
| 105     | 44.8  | 27.0       | 67.0       |





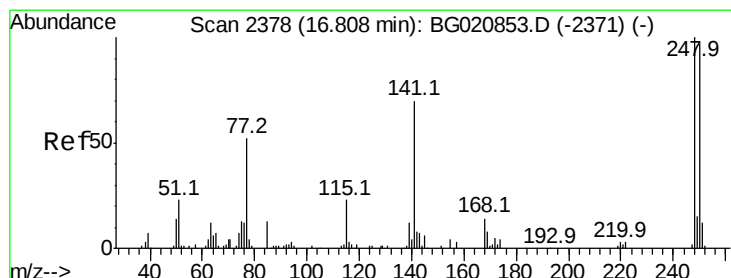
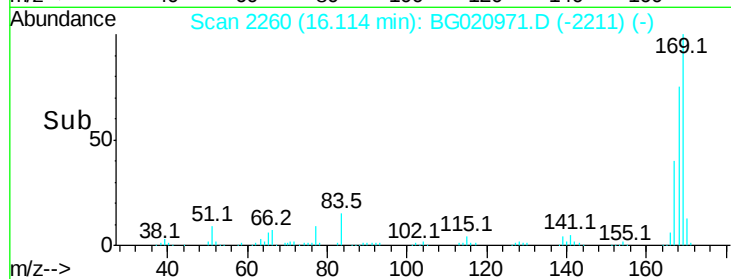
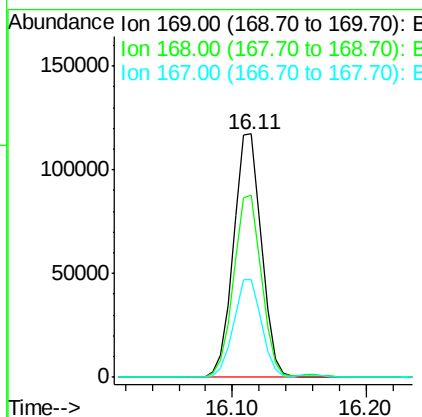
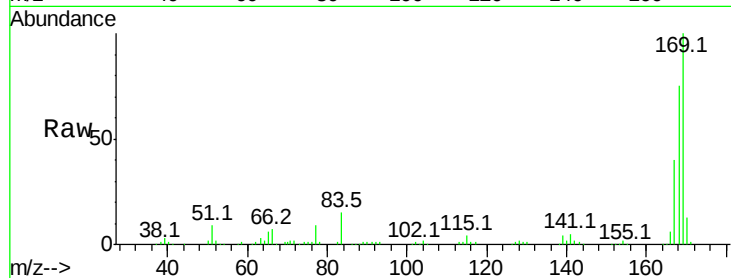
#65  
n-Nitrosodiphenylamine  
Concen: 38.97 ng  
RT: 16.11 min Scan# 2260  
Delta R.T. -0.01 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 170589 |       |       |
| 168     | 74.9  |        | 60.7  | 91.1  |
| 167     | 40.2  |        | 32.8  | 49.2  |

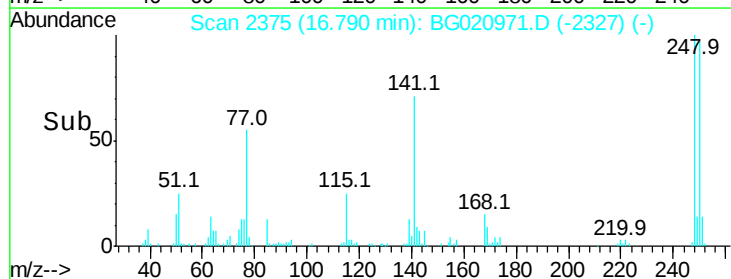
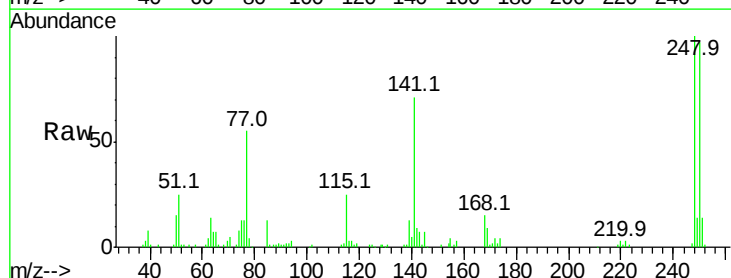
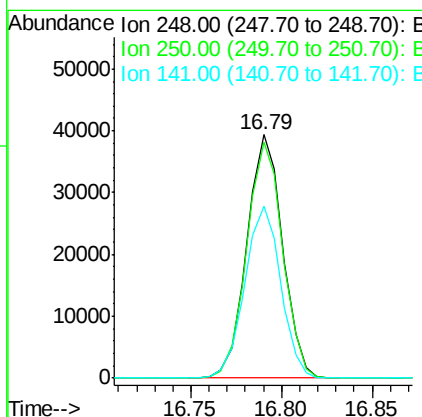
Manual Integrations  
APPROVED

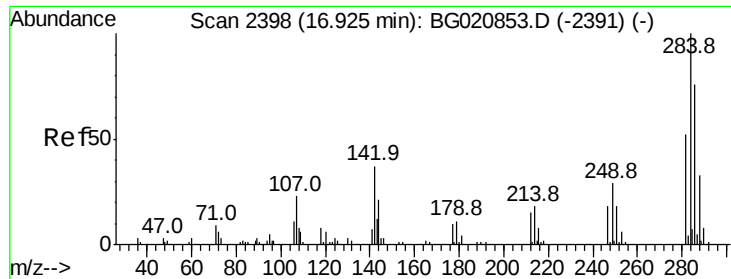
UMANGI  
2/22/2016 10:55:22 AM



#66  
4-Bromophenyl-phenylether  
Concen: 37.55 ng  
RT: 16.79 min Scan# 2375  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 248     | 100   | 53735 |       |       |
| 250     | 96.7  |       | 77.4  | 116.2 |
| 141     | 70.8  |       | 55.7  | 83.5  |





#67

Hexachlorobenzene

Concen: 38.93 ng

RT: 16.91 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

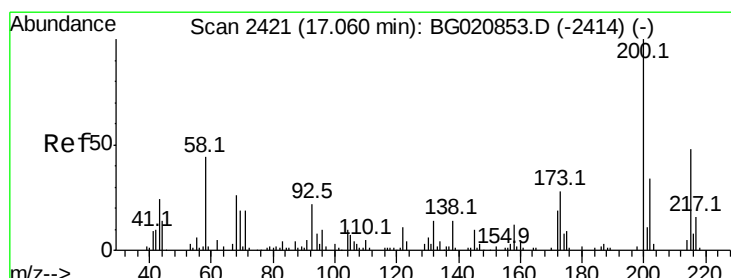
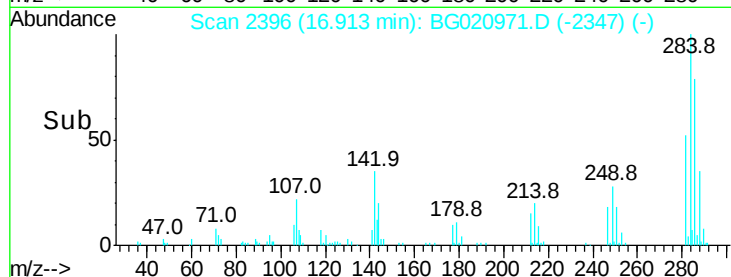
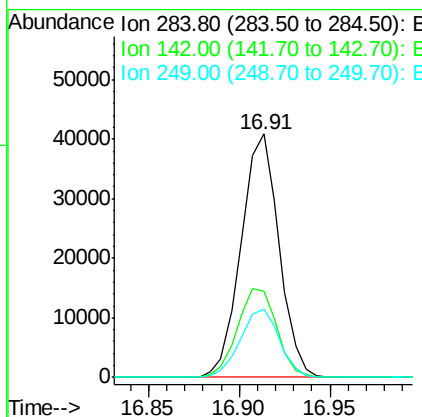
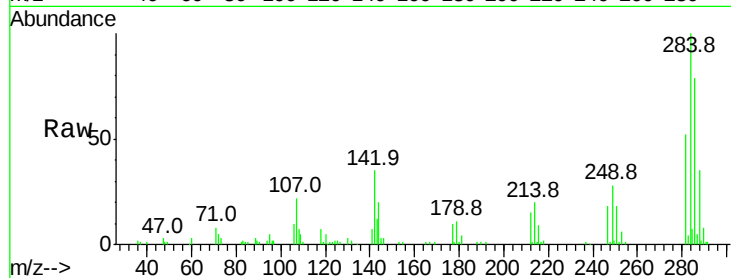
ClientSampled :

PB88429BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 284   | Resp: | 59276 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 35.4  | 29.9  | 44.9  |
| 249       | 28.2  | 23.3  | 34.9  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#68

Atrazine

Concen: 40.35 ng

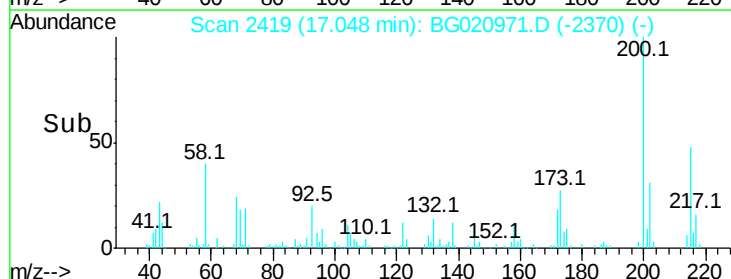
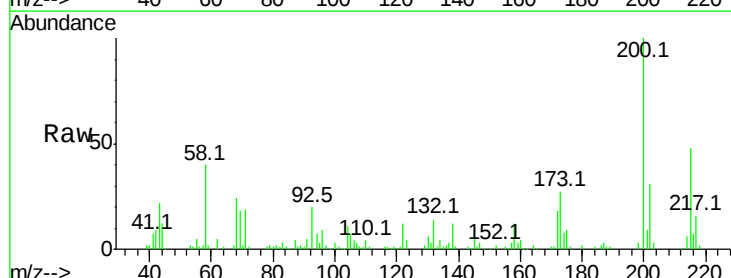
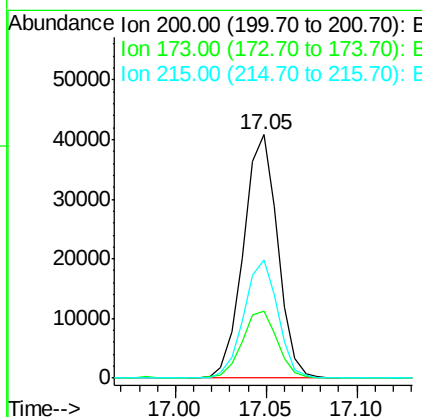
RT: 17.05 min Scan# 2419

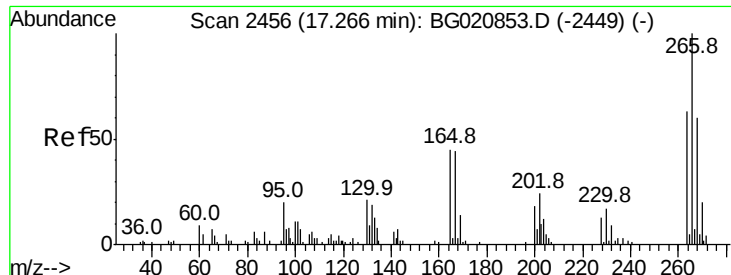
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 53599 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 27.5  | 8.4   | 48.4  |
| 215       | 48.5  | 28.2  | 68.2  |





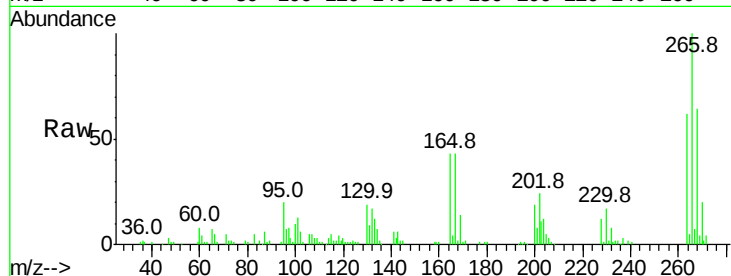
#69  
 Pentachlorophenol  
 Concen: 76.53 ng  
 RT: 17.25 min Scan# 2454  
 Delta R.T. -0.01 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

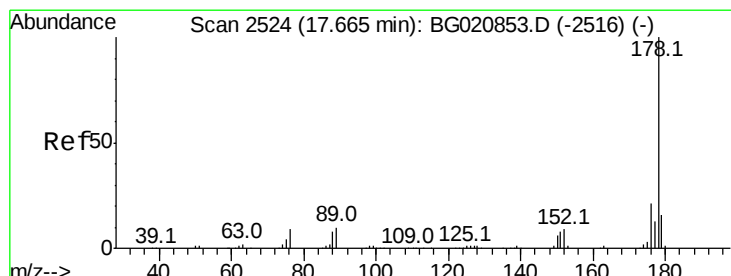
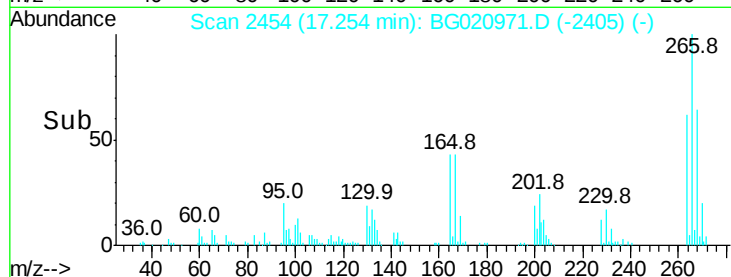
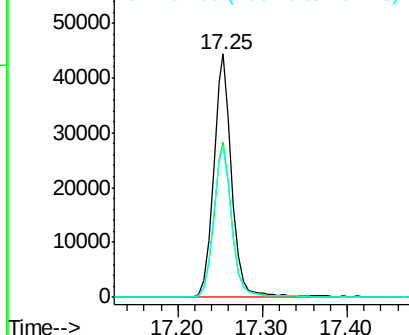
|           |      |       |       |
|-----------|------|-------|-------|
| Tot Ion:  | 266  | Resp: | 66815 |
| Ion Ratio |      | Lower | Upper |
| 266       | 100  |       |       |
| 268       | 63.8 | 47.8  | 71.6  |
| 264       | 62.4 | 50.2  | 75.4  |

Manual Integrations  
 APPROVED

UMANGI  
 2/22/2016 10:55:22 AM



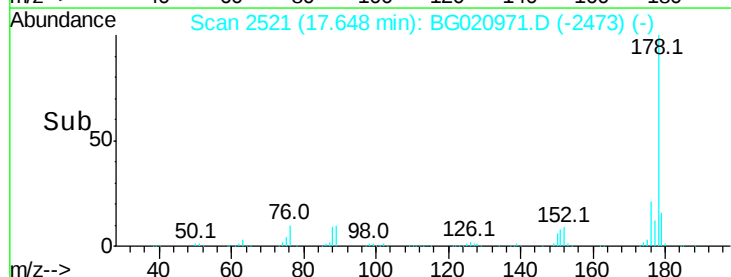
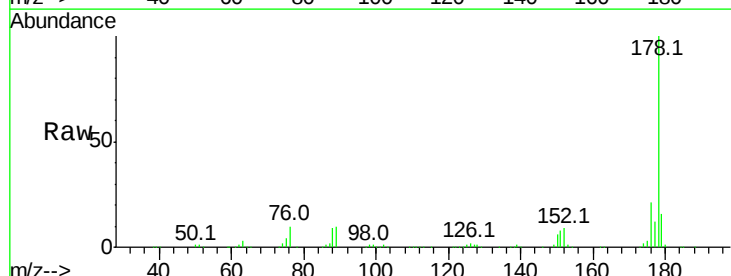
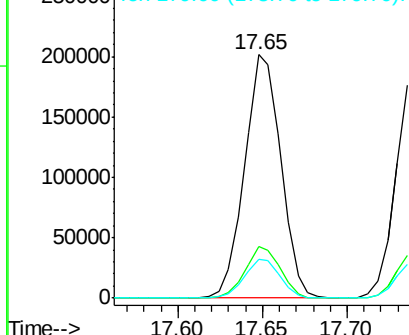
Abundance Ion 265.70 (265.40 to 266.40): E  
 Ion 268.00 (267.70 to 268.70): E  
 Ion 264.00 (263.70 to 264.70): E

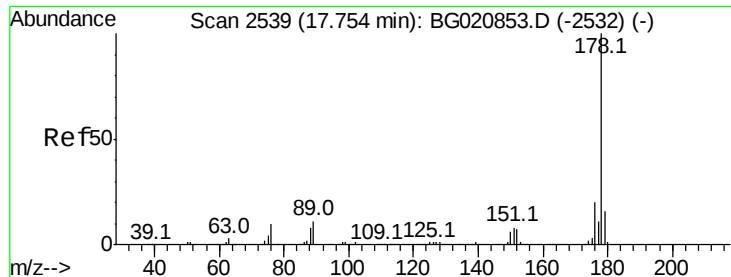


#70  
 Phenanthrene  
 Concen: 38.97 ng  
 RT: 17.65 min Scan# 2521  
 Delta R.T. -0.02 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 178  | Resp: | 300608 |
| Ion Ratio |      | Lower | Upper  |
| 178       | 100  |       |        |
| 176       | 21.1 | 16.8  | 25.2   |
| 179       | 16.1 | 12.6  | 19.0   |

Abundance Ion 178.00 (177.70 to 178.70): E  
 Ion 176.00 (175.70 to 176.70): E  
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 38.49 ng

RT: 17.74 min Scan# 2537

Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

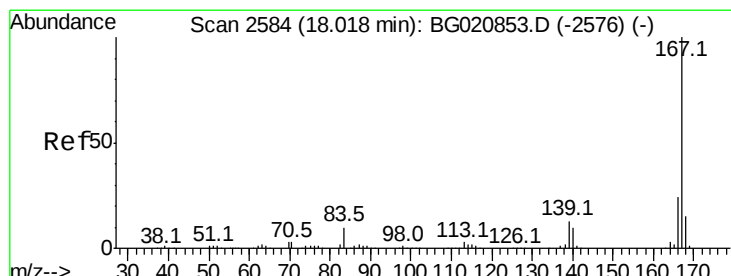
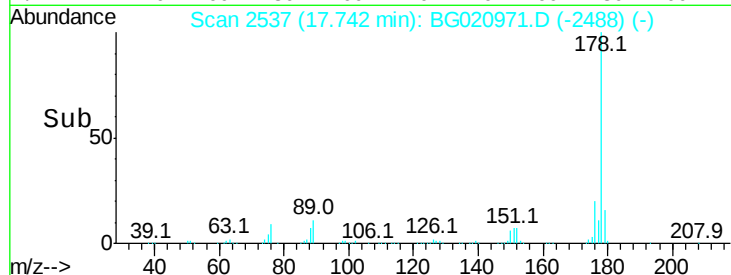
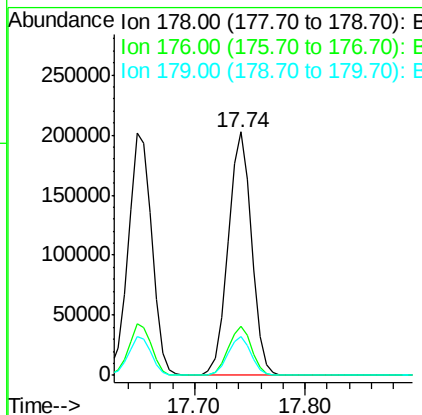
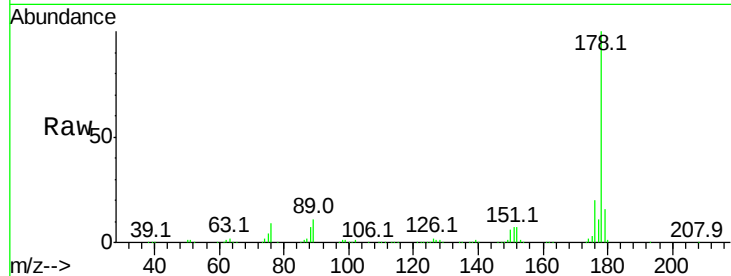
ClientSampled :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 178   | Resp: | 301340 |
| Ion Ratio | Lower | Upper |        |
| 178       | 100   |       |        |
| 176       | 20.1  | 16.2  | 24.4   |
| 179       | 16.0  | 12.7  | 19.1   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#72

Carbazole

Concen: 39.46 ng

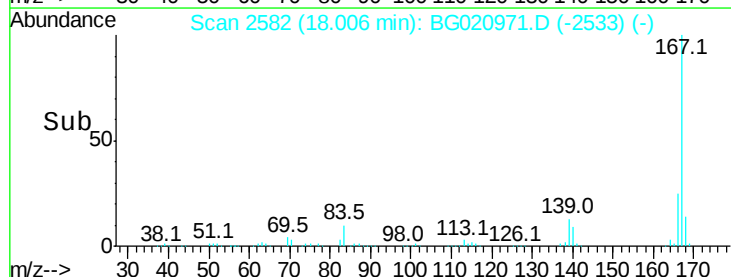
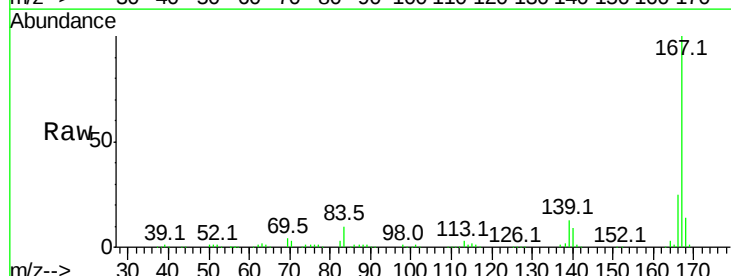
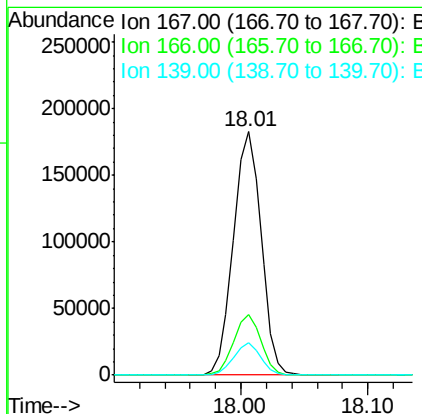
RT: 18.01 min Scan# 2582

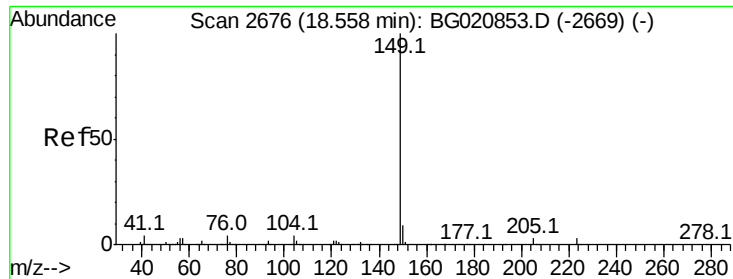
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 167   | Resp: | 277258 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 24.9  | 19.3  | 28.9   |
| 139       | 13.1  | 10.2  | 15.4   |





#73

Di-n-butylphthalate

Concen: 38.13 ng

RT: 18.54 min Scan# 2673

Delta R.T. -0.02 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

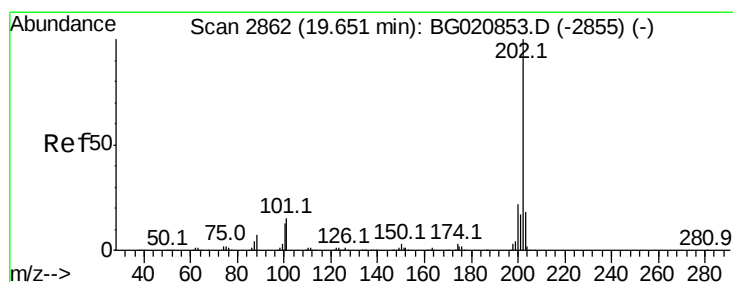
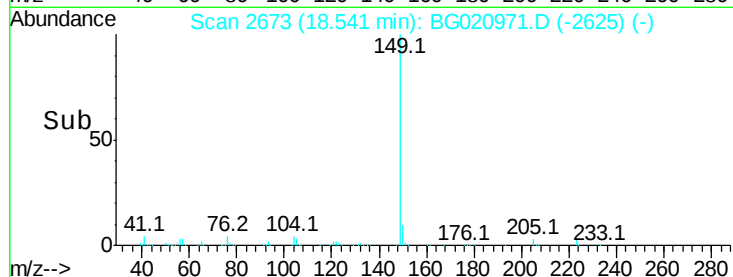
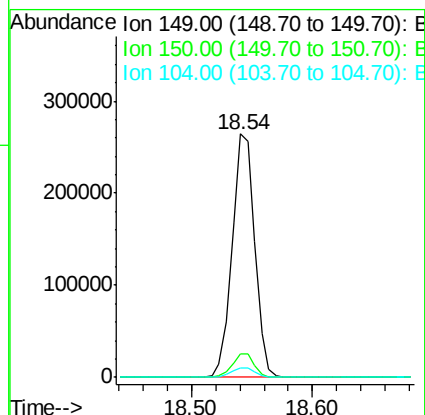
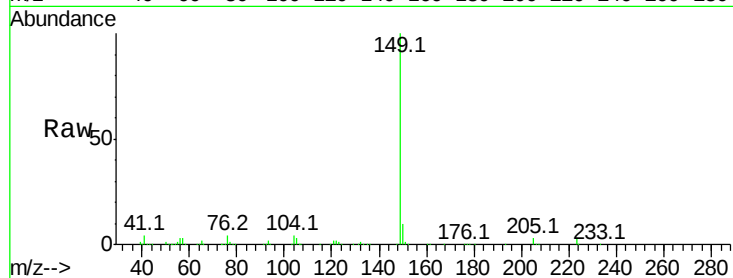
ClientSampleId :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 149   | Resp: | 343559 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.7   | 7.6   | 11.4   |
| 104       | 4.1   | 3.4   | 5.0    |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#74

Fluoranthene

Concen: 38.59 ng

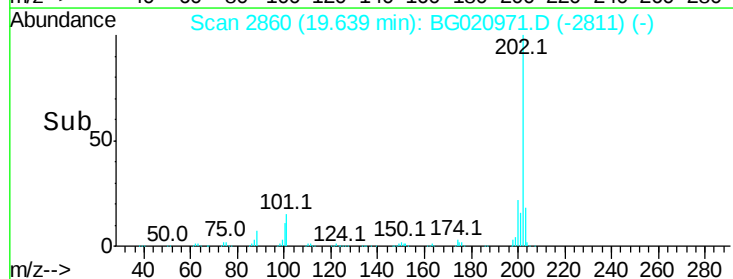
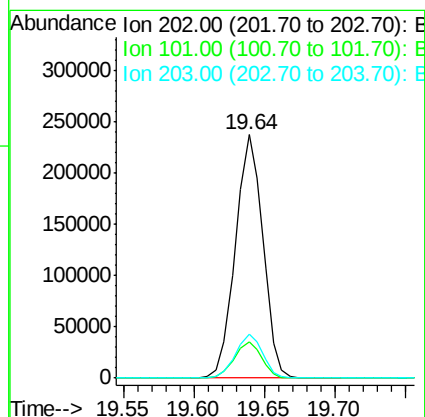
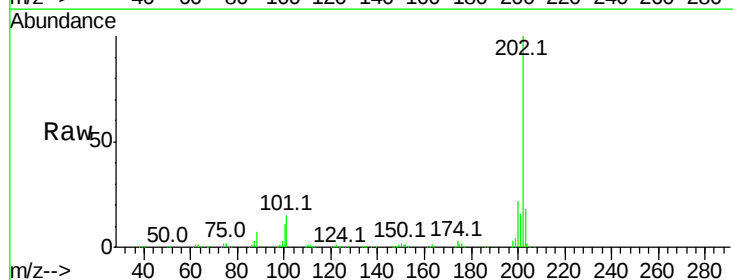
RT: 19.64 min Scan# 2860

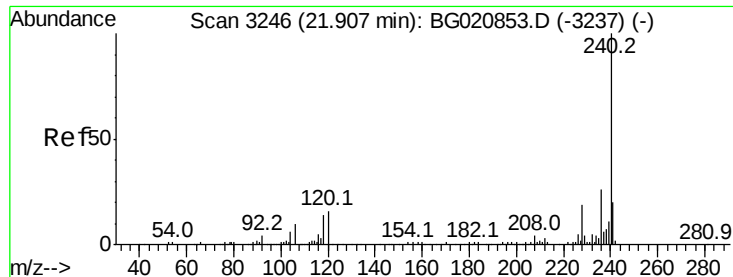
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 321588 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 14.8  | 0.0   | 35.3   |
| 203       | 18.1  | 0.0   | 37.8   |





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.88 min Scan# 3242

Delta R.T. -0.02 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

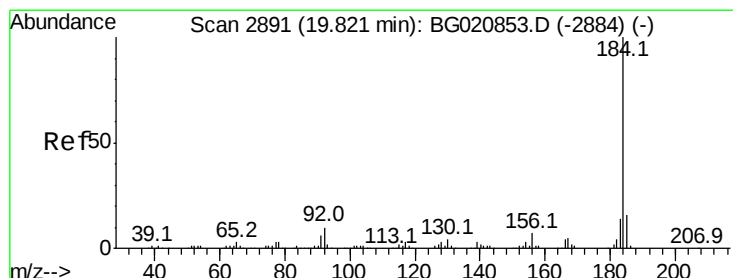
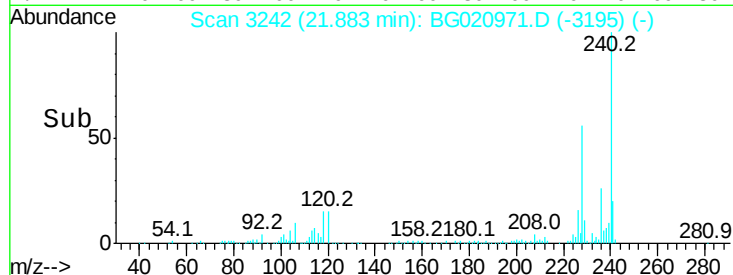
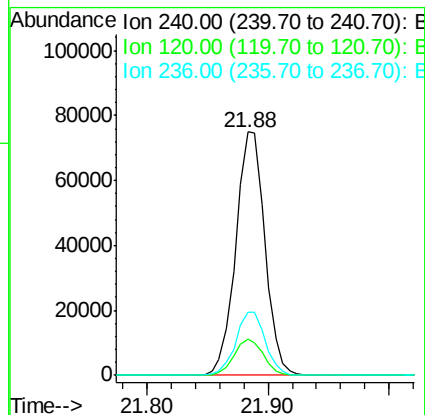
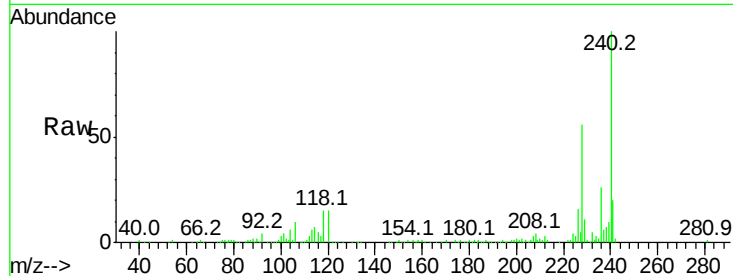
ClientSampleId :

PB88429BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 126248 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 14.7  | 13.0  | 19.4   |
| 236       | 25.8  | 21.0  | 31.4   |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#76

Benzidine

Concen: 20.54 ng

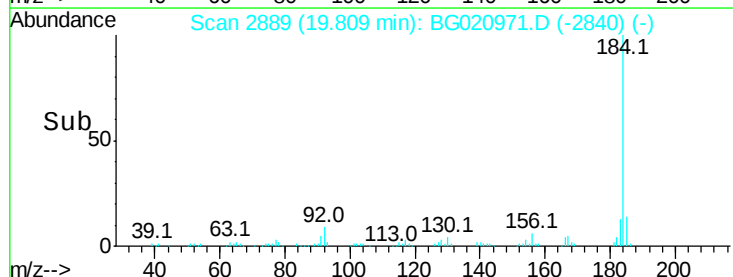
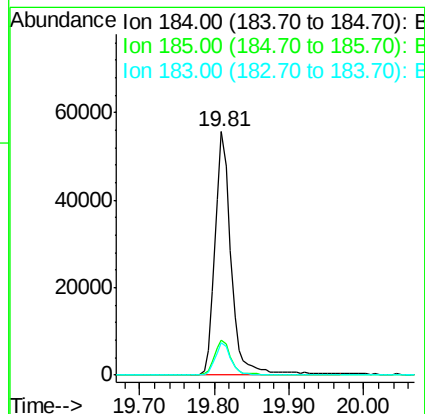
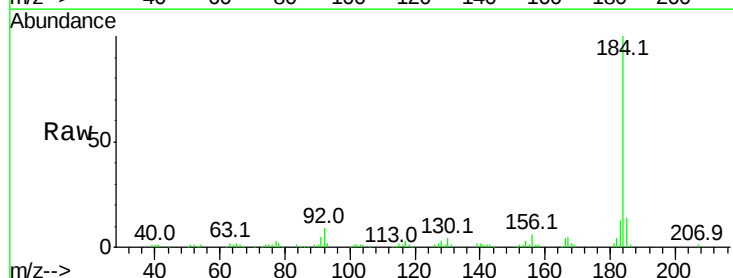
RT: 19.81 min Scan# 2889

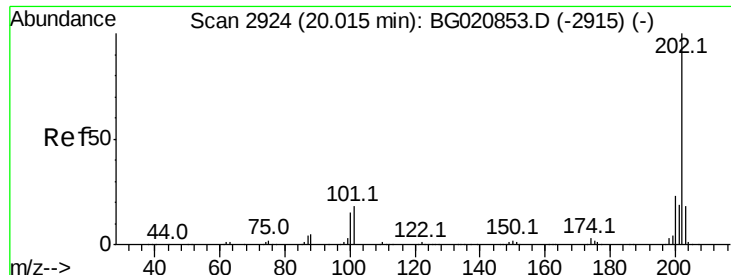
Delta R.T. -0.01 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 83858 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.5  | 12.6  | 19.0  |
| 183       | 13.3  | 11.0  | 16.4  |





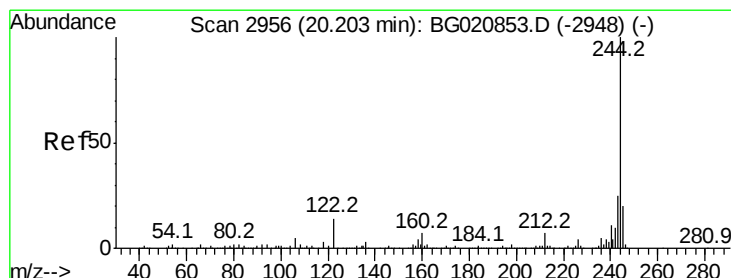
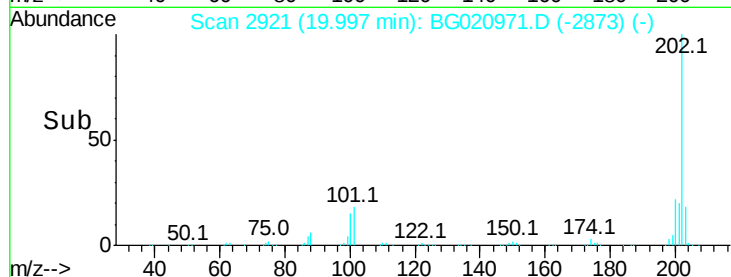
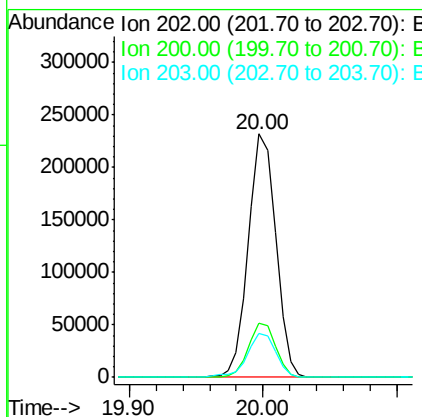
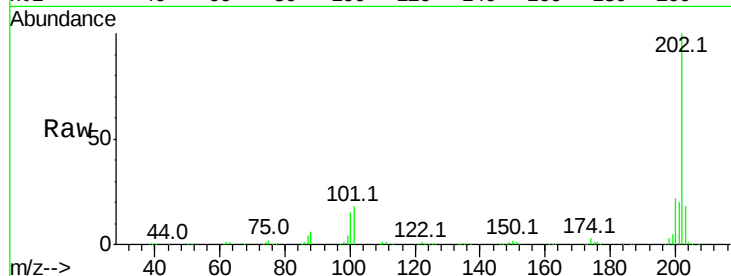
#77  
Pvrene  
Concen: 39.53 ng  
RT: 20.00 min Scan# 2921  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 200     | 22.2  | 18.5  | 27.7  |
| 203     | 18.1  | 14.3  | 21.5  |

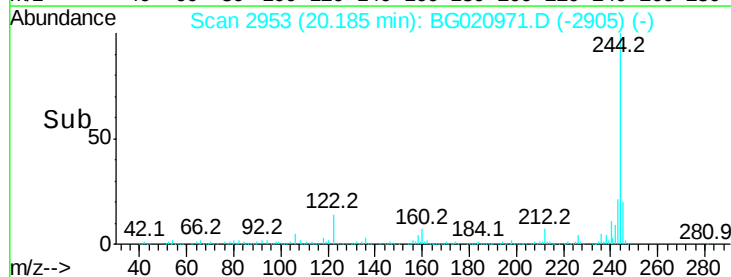
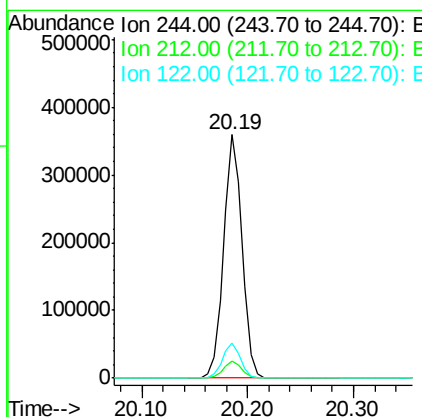
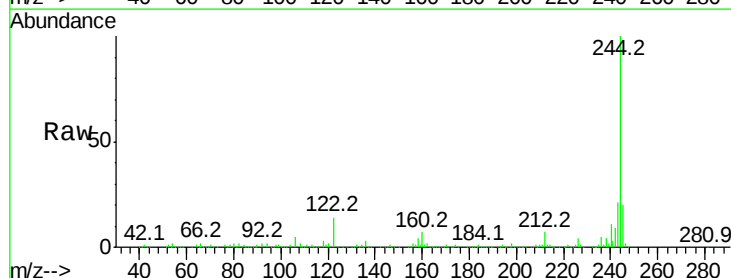
Manual Integrations  
APPROVED

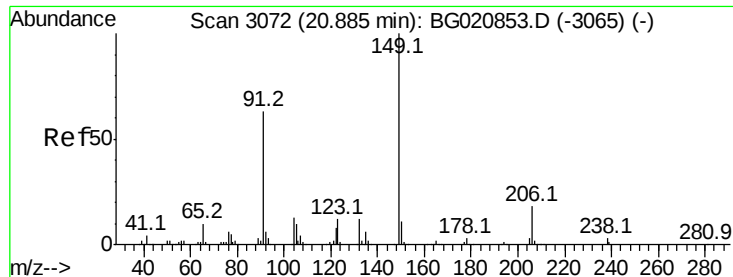
UMANGI  
2/22/2016 10:55:22 AM



#78  
Terphenyl-d14  
Concen: 80.14 ng  
RT: 20.19 min Scan# 2953  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 244     | 100   |       |       |
| 212     | 7.1   | 5.5   | 8.3   |
| 122     | 14.5  | 11.4  | 17.2  |





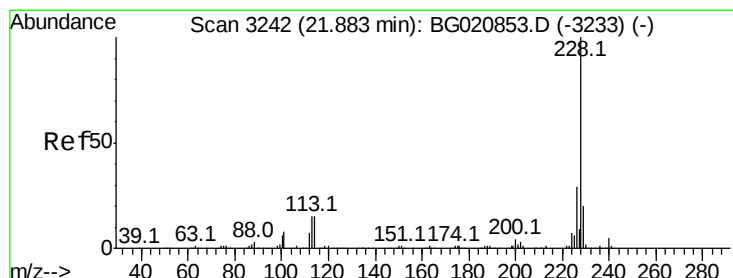
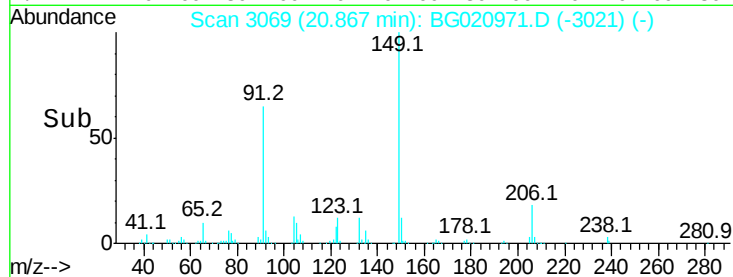
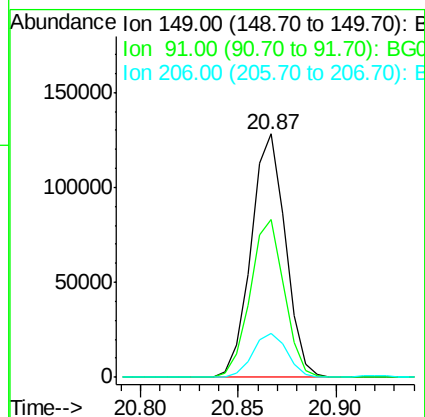
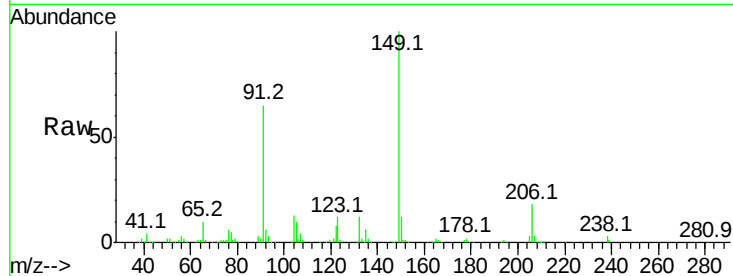
#79  
Butylbenzylphthalate  
Concen: 39.14 ng  
RT: 20.87 min Scan# 3069  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 64.8  | 50.6       | 76.0  |
| 206     | 18.3  | 14.6       | 22.0  |

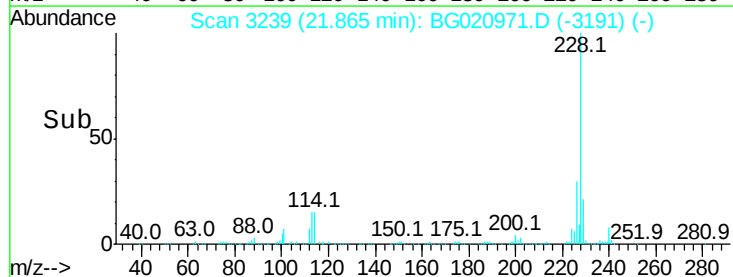
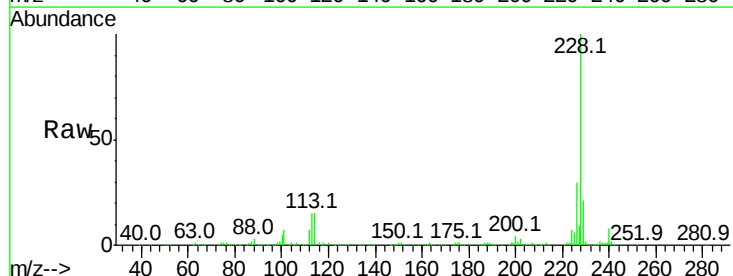
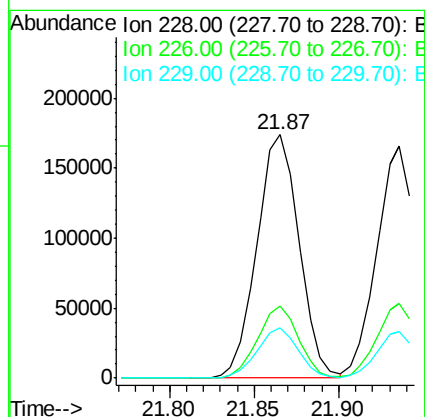
Manual Integrations  
APPROVED

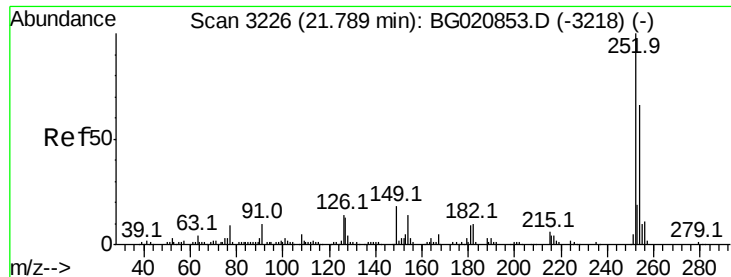
UMANGI  
2/22/2016 10:55:22 AM



#80  
Benzo(a)anthracene  
Concen: 39.87 ng  
RT: 21.87 min Scan# 3239  
Delta R.T. -0.02 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 29.6  | 23.1       | 34.7  |
| 229     | 20.7  | 16.2       | 24.2  |





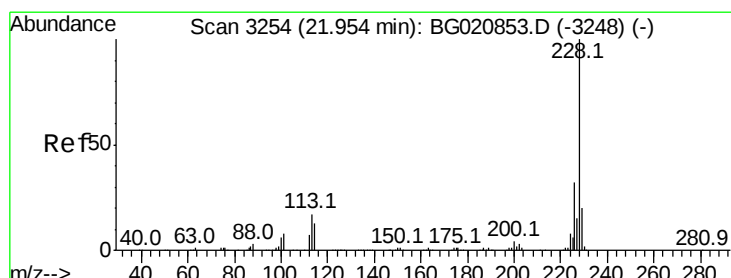
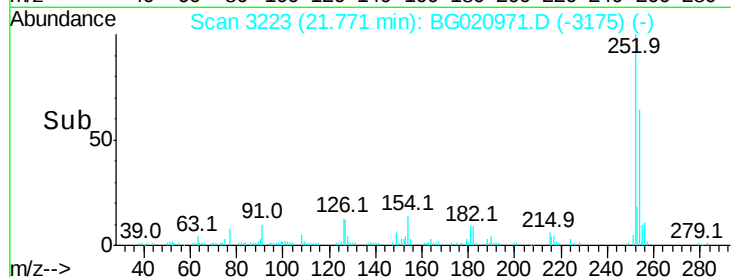
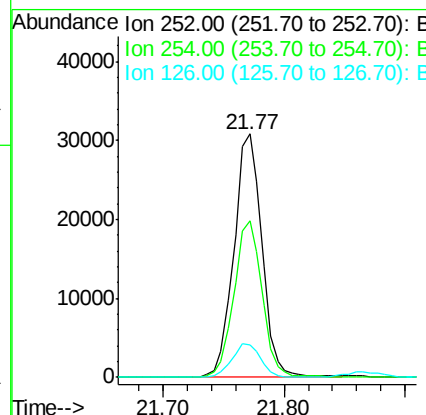
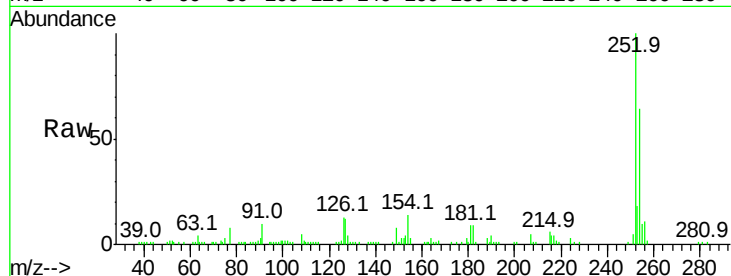
#81  
 3,3'-Dichlorobenzidine  
 Concen: 17.82 ng  
 RT: 21.77 min Scan# 3223  
 Delta R.T. -0.02 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 252     | 100   |            |       |
| 254     | 64.1  | 52.8       | 79.2  |
| 126     | 13.2  | 11.1       | 16.7  |

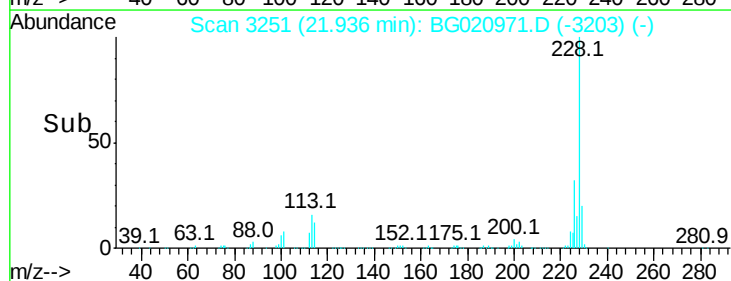
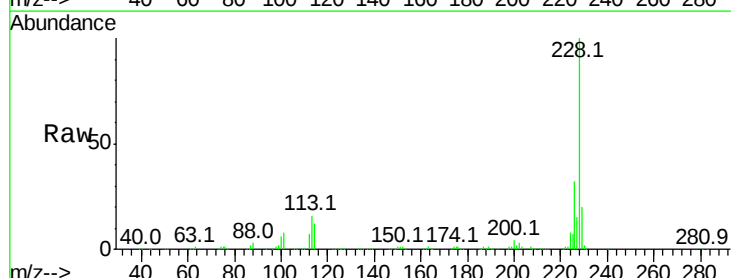
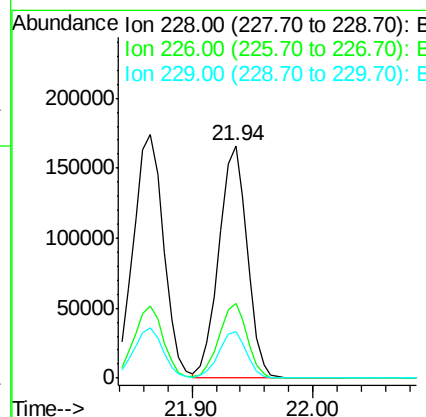
Manual Integrations  
 APPROVED

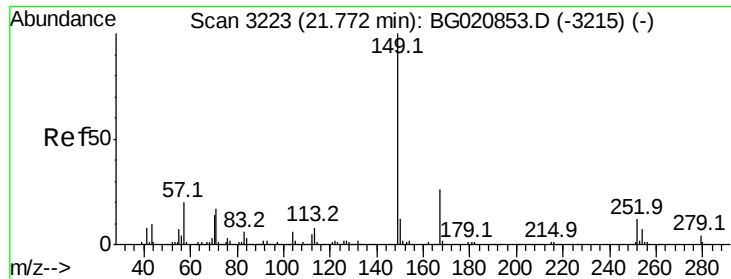
UMANGI  
 2/22/2016 10:55:22 AM



#82  
 Chrysene  
 Concen: 37.76 ng  
 RT: 21.94 min Scan# 3251  
 Delta R.T. -0.02 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 32.3  | 25.3       | 37.9  |
| 229     | 20.2  | 16.2       | 24.2  |





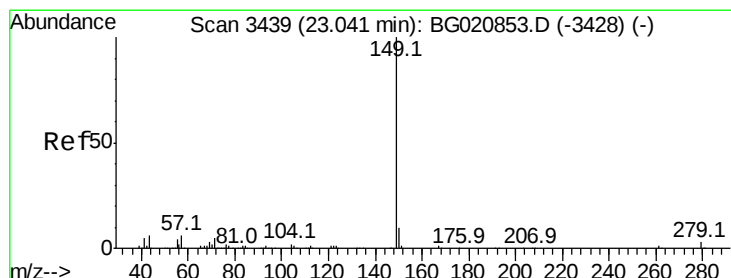
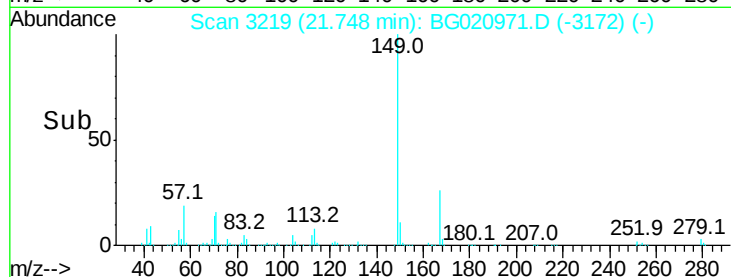
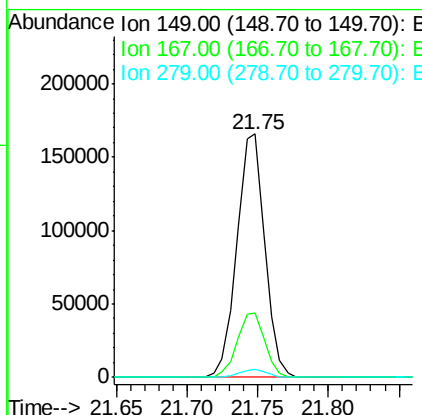
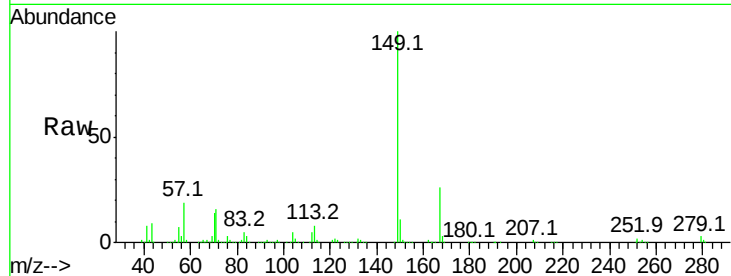
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 38.48 ng  
 RT: 21.75 min Scan# 3219  
 Delta R.T. -0.02 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 26.4  | 20.9       | 31.3  |
| 279     | 3.3   | 3.0        | 4.4   |

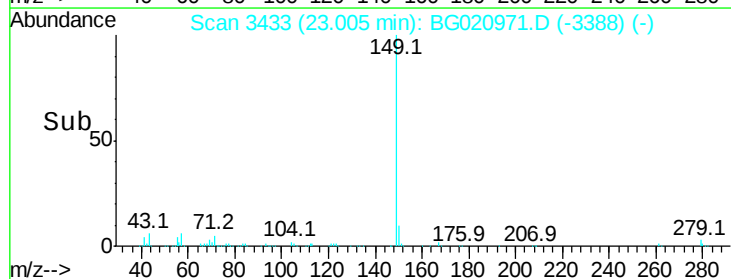
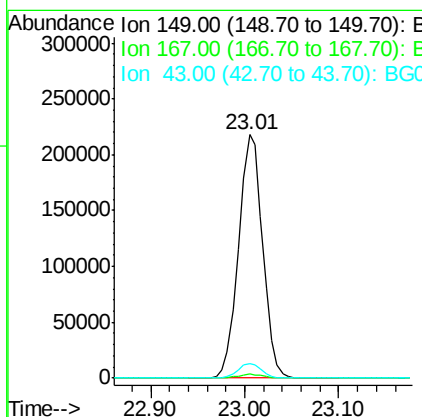
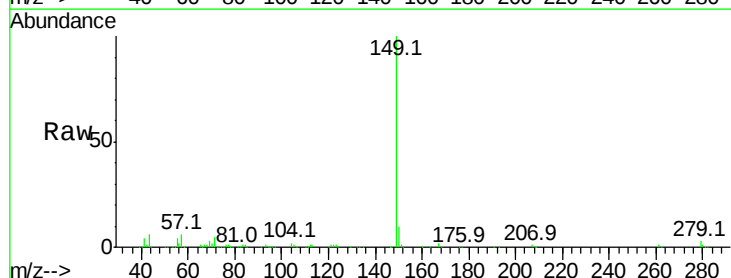
Manual Integrations  
 APPROVED

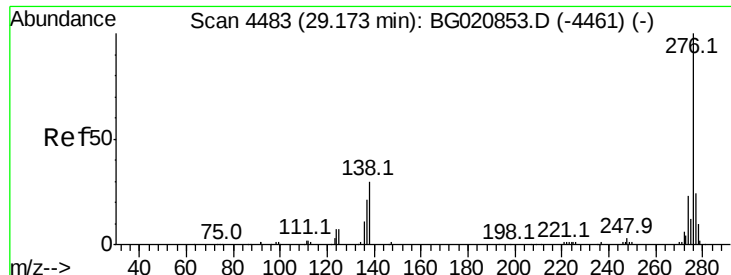
UMANGI  
 2/22/2016 10:55:22 AM



#84  
 Di-n-octyl phthalate  
 Concen: 39.78 ng  
 RT: 23.01 min Scan# 3433  
 Delta R.T. -0.04 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 167     | 1.5   | 1.2        | 1.8   |
| 43      | 6.2   | 5.1        | 7.7   |





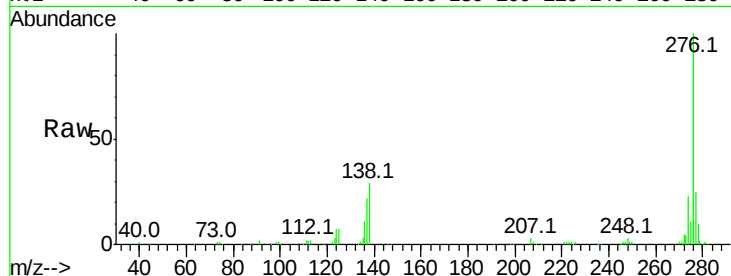
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 40.12 ng  
RT: 29.11 min Scan# 4473  
Delta R.T. -0.06 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampleId :  
PB88429BS

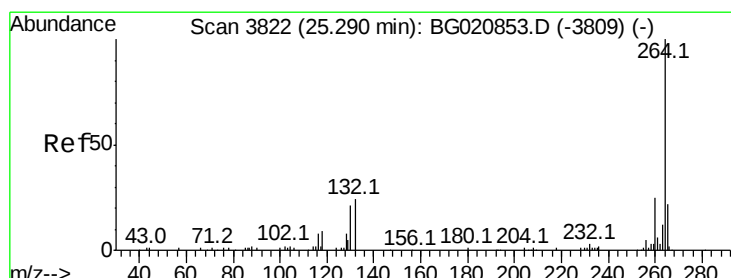
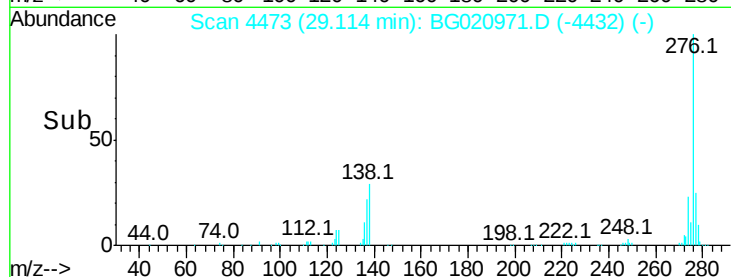
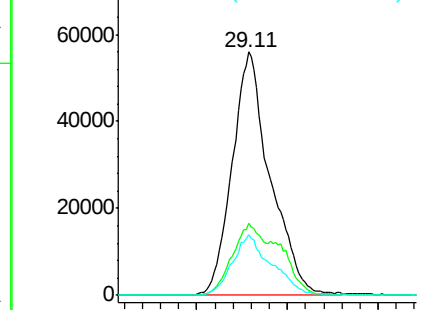
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 327018 |       |       |
| 138     | 24.0  | 20.1   | 30.1  |       |
| 277     | 25.6  | 20.5   | 30.7  |       |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



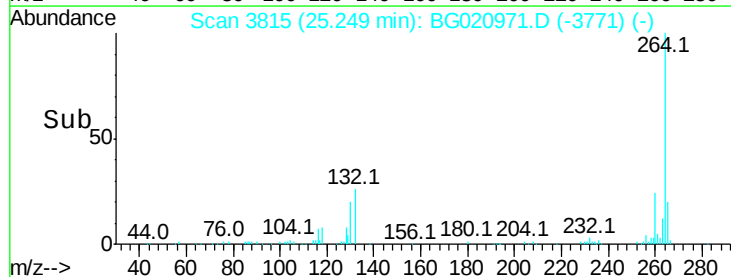
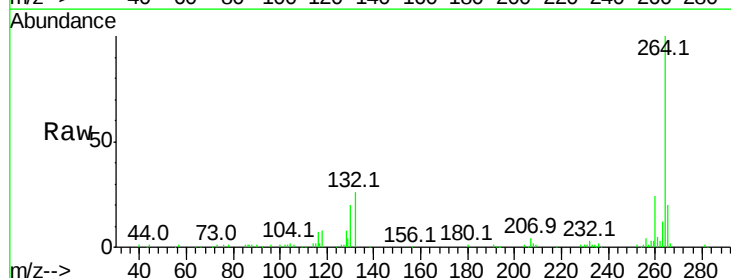
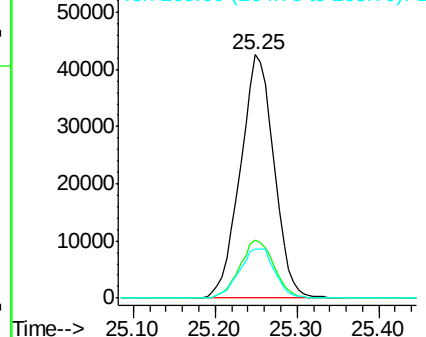
Abundance Ion 276.00 (275.70 to 276.70): E  
Ion 138.00 (137.70 to 138.70): E  
Ion 277.00 (276.70 to 277.70): E

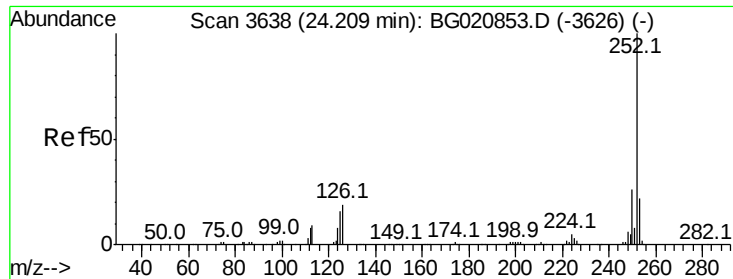


#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.25 min Scan# 3815  
Delta R.T. -0.04 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 264     | 100   | 121496 |       |       |
| 260     | 23.7  | 19.9   | 29.9  |       |
| 265     | 20.3  | 18.0   | 27.0  |       |

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





#87

Benzo(b)fluoranthene

Concen: 40.02 ng

RT: 24.18 min Scan# 3633

Delta R.T. -0.03 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

Instrument :

BNA\_G

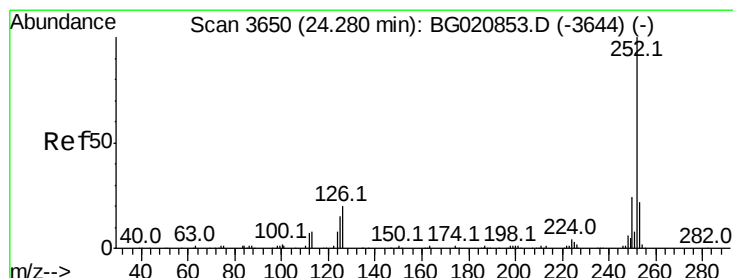
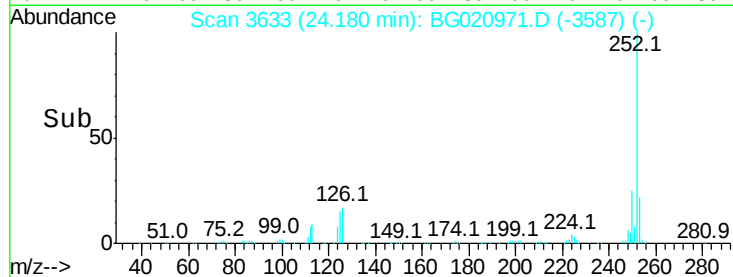
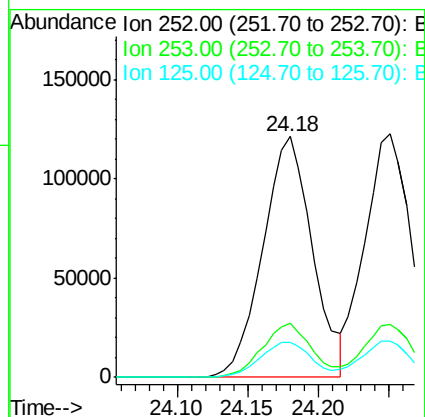
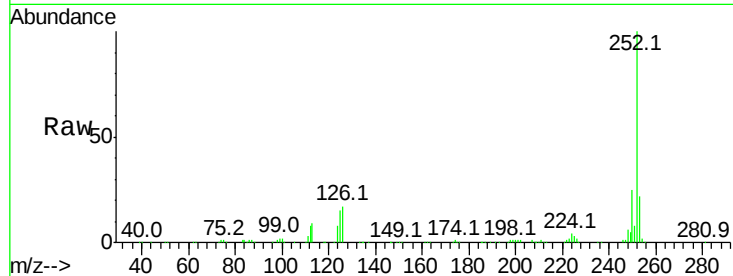
ClientSampleId :

PB88429BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.5  | 26.3  |
| 125     | 14.6  | 12.5  | 18.7  |

Manual Integrations  
APPROVED

UMANGI  
2/22/2016 10:55:22 AM



#88

Benzo(k)fluoranthene

Concen: 38.46 ng

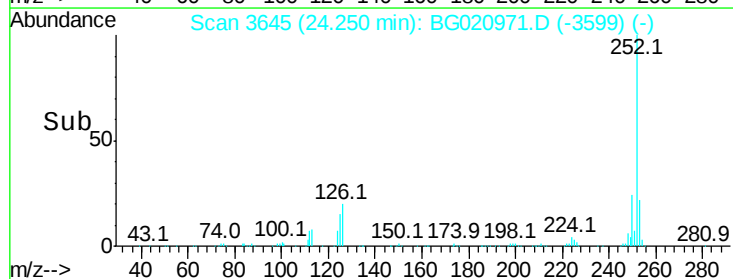
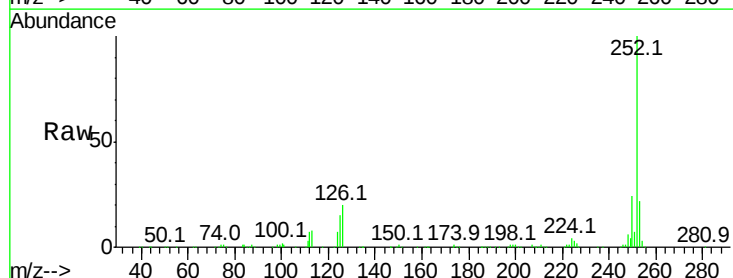
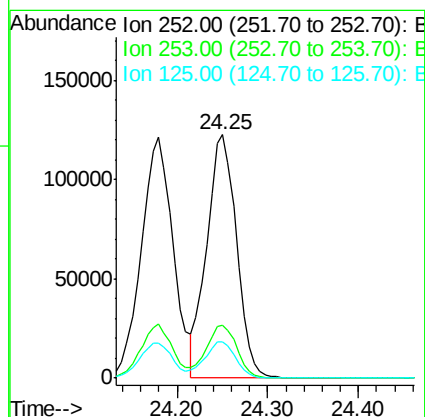
RT: 24.25 min Scan# 3645

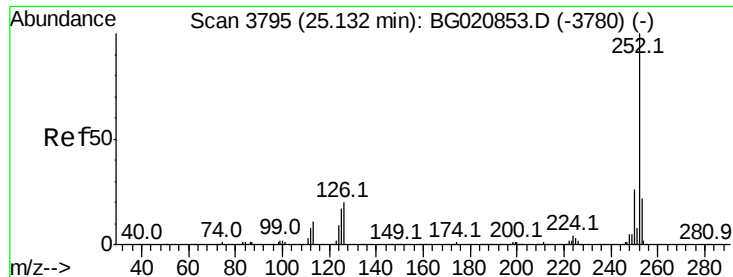
Delta R.T. -0.03 min

Lab File: BG020971.D

Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.8  | 17.7  | 26.5  |
| 125     | 15.1  | 12.2  | 18.4  |





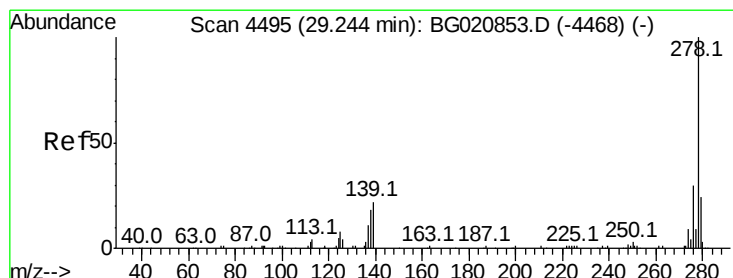
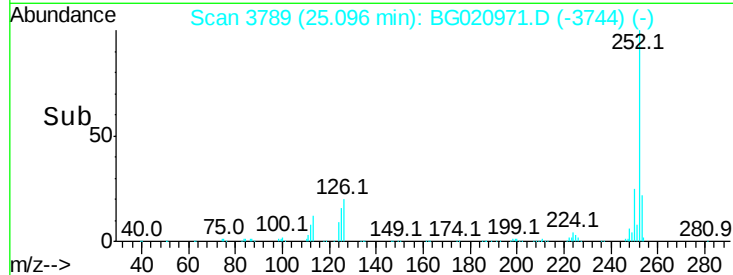
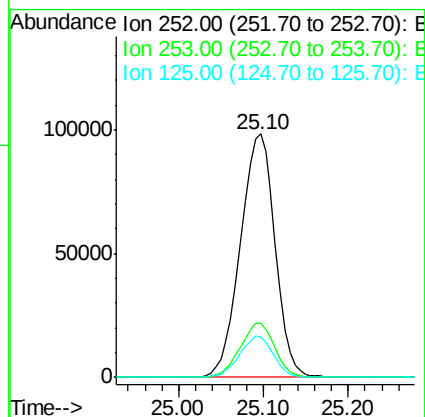
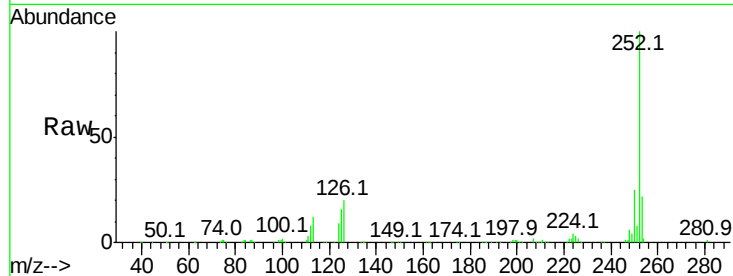
#89  
Benzo(a)pyrene  
Concen: 39.46 ng  
RT: 25.10 min Scan# 3789  
Delta R.T. -0.04 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

Instrument :  
BNA\_G  
ClientSampled :  
PB88429BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.4  | 26.2  |
| 125     | 16.5  | 13.6  | 20.4  |

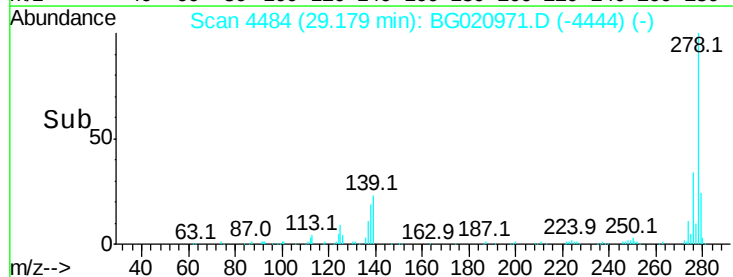
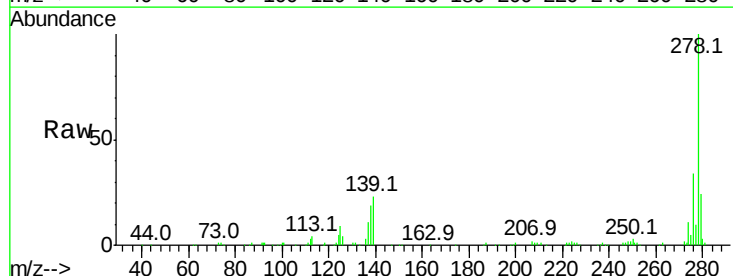
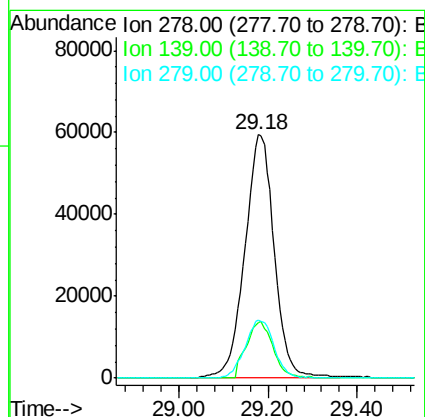
Manual Integrations  
APPROVED

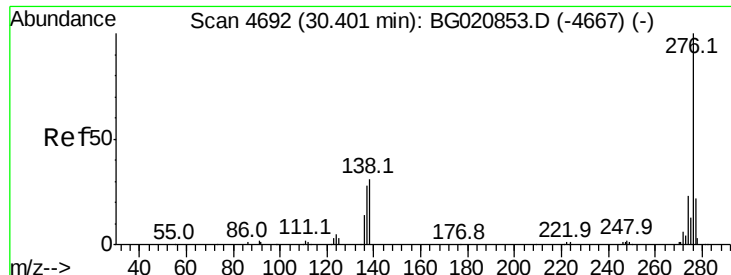
UMANGI  
2/22/2016 10:55:22 AM



#90  
Dibenzo(a,h)anthracene  
Concen: 38.95 ng  
RT: 29.18 min Scan# 4484  
Delta R.T. -0.06 min  
Lab File: BG020971.D  
Acq: 19 Feb 2016 14:20

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 22.8  | 17.3  | 25.9  |
| 279     | 23.9  | 19.1  | 28.7  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 38.89 ng  
 RT: 30.33 min Scan# 4680  
 Delta R.T. -0.07 min  
 Lab File: BG020971.D  
 Acq: 19 Feb 2016 14:20

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB88429BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 276  | Resp: | 265965 |
| Ion Ratio |      | Lower | Upper  |
| 276       | 100  |       |        |
| 277       | 24.1 | 17.6  | 26.4   |
| 138       | 30.9 | 25.2  | 37.8   |

Manual Integrations  
 APPROVED

UMANGI  
 2/22/2016 10:55:22 AM

