

Data Path : Z:\HPCHEM1\BNA G\DATA\BG080316\  
 Data File : BG023441.D  
 Acq On : 4 Aug 2016 1:22  
 Operator : UM/SJ  
 Sample : H4176-19MS  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

Manual Integrations  
 APPROVED

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 8/4/2016 6:09:01 PM

Quant Time: Aug 04 03:47:50 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.12  | 152  | 103870   | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.95 | 136  | 505474   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.78 | 164  | 388000   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.55 | 188  | 971859   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.86 | 240  | 957155   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 25.23 | 264  | 943033   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.66  | 112 | 477706  | 77.42  | ng | 0.00 |
| 7) Phenol-d6             | 7.27  | 99  | 493547  | 51.35  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.29  | 82  | 973940  | 95.79  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.28 | 330 | 782649  | 137.91 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.40 | 172 | 2042023 | 88.77  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.15 | 244 | 2845341 | 95.36  | ng | 0.00 |

## Target Compounds

|                                |       |     |         |       |    | Qvalue |
|--------------------------------|-------|-----|---------|-------|----|--------|
| 2) 1,4-Dioxane                 | 3.52  | 88  | 41231   | 15.68 | ng | 96     |
| 3) Pyridine                    | 3.93  | 79  | 93955   | 10.87 | ng | 94     |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 63336   | 19.77 | ng | # 84   |
| 6) Aniline                     | 7.44  | 93  | 299282  | 21.55 | ng | 97     |
| 8) 2-Chlorophenol              | 7.68  | 128 | 296755  | 41.86 | ng | 96     |
| 9) Benzaldehyde                | 7.25  | 77  | 208505  | 37.47 | ng | 91     |
| 10) Phenol                     | 7.30  | 94  | 186811  | 18.17 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 7.53  | 93  | 365693  | 44.59 | ng | 92     |
| 12) 1,3-Dichlorobenzene        | 8.01  | 146 | 312250  | 38.47 | ng | 93     |
| 13) 1,4-Dichlorobenzene        | 8.15  | 146 | 322869  | 38.86 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.48  | 146 | 319403  | 39.19 | ng | 94     |
| 15) Benzyl Alcohol             | 8.36  | 79  | 268872  | 36.92 | ng | 94     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.65  | 45  | 496580  | 41.17 | ng | 91     |
| 17) 2-Methylphenol             | 8.56  | 107 | 255328  | 37.04 | ng | # 88   |
| 18) Hexachloroethane           | 9.21  | 117 | 120498  | 38.53 | ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.93  | 70  | 381945  | 46.20 | ng | 98     |
| 20) 3+4-Methylphenols          | 8.89  | 107 | 332066  | 34.17 | ng | 94     |
| 22) Acetophenone               | 8.95  | 105 | 558198  | 40.33 | ng | # 91   |
| 24) Nitrobenzene               | 9.34  | 77  | 545830  | 48.48 | ng | # 88   |
| 25) Isophorone                 | 9.86  | 82  | 1044319 | 49.31 | ng | # 92   |
| 26) 2-Nitrophenol              | 10.06 | 139 | 218970  | 46.08 | ng | # 78   |
| 27) 2,4-Dimethylphenol         | 10.11 | 122 | 349907  | 43.25 | ng | 85     |
| 28) bis(2-Chloroethoxy)methane | 10.34 | 93  | 583659  | 45.85 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.60 | 162 | 399749  | 49.13 | ng | 99     |
| 30) 1,2,4-Trichlorobenzene     | 10.81 | 180 | 380233  | 43.34 | ng | 97     |
| 31) Naphthalene                | 11.00 | 128 | 1121076 | 43.55 | ng | 98     |
| 32) Benzoic acid               | 10.20 | 122 | 70016   | 14.58 | ng | # 82   |
| 33) 4-Chloroaniline            | 11.11 | 127 | 287590  | 23.37 | ng | 93     |
| 34) Hexachlorobutadiene        | 11.28 | 225 | 233053  | 40.39 | ng | 98     |
| 35) Caprolactam                | 11.90 | 113 | 31360m  | 9.16  | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.24 | 107 | 502984  | 47.06 | ng | 93     |
| 37) 2-Methylnaphthalene        | 12.61 | 142 | 925165  | 47.28 | ng | 94     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.97 | 216 | 464472  | 33.01 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.95 | 237 | 551242  | 77.69 | ng | 96     |

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 BNA\_G  
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 GW-34-7.0-15.0MS

Manual Integrations  
 APPROVED

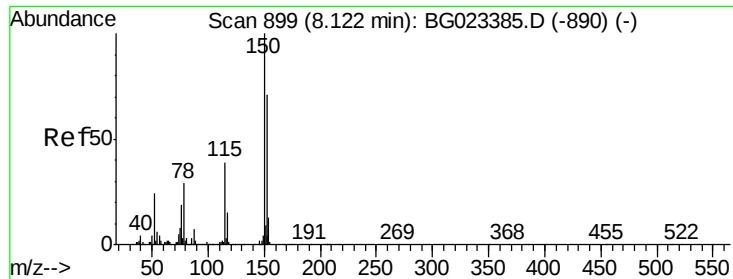
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 8/4/2016 6:09:01 PM

Quant Time: Aug 04 03:47:50 2016  
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG080116.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Aug 01 19:22:14 2016  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|-------|------|----------|-------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.21 | 196  | 388287   | 46.33 | nq    | 96       |
| 43) 2,4,5-Trichlorophenol      | 13.29 | 196  | 418633   | 48.52 | nq    | 90       |
| 45) 1,1'-Biphenyl              | 13.61 | 154  | 1166212  | 39.32 | nq    | 96       |
| 46) 2-Chloronaphthalene        | 13.66 | 162  | 1011728  | 44.09 | nq    | 97       |
| 47) 2-Nitroaniline             | 13.86 | 65   | 455449   | 47.81 | nq    | 90       |
| 48) Acenaphthylene             | 14.51 | 152  | 1654369  | 45.61 | nq    | 98       |
| 49) Dimethylphthalate          | 14.23 | 163  | 1468160  | 49.32 | nq    | 97       |
| 50) 2,6-Dinitrotoluene         | 14.36 | 165  | 347446   | 49.28 | nq    | 84       |
| 51) Acenaphthene               | 14.85 | 154  | 1064205  | 46.31 | nq    | 100      |
| 52) 3-Nitroaniline             | 14.70 | 138  | 244876   | 30.80 | nq    | # 79     |
| 53) 2,4-Dinitrophenol          | 14.90 | 184  | 449942   | 99.57 | nq    | 93       |
| 54) Dibenzofuran               | 15.18 | 168  | 1688491  | 50.61 | nq    | 98       |
| 55) 4-Nitrophenol              | 15.01 | 139  | 244822   | 39.21 | nq    | # 83     |
| 56) 2,4-Dinitrotoluene         | 15.15 | 165  | 517474   | 52.30 | nq    | 90       |
| 57) Fluorene                   | 15.84 | 166  | 1412606  | 48.52 | nq    | 98       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.41 | 232  | 440087m  | 55.58 | nq    |          |
| 59) Diethylphthalate           | 15.59 | 149  | 1513135  | 50.07 | nq    | 97       |
| 60) 4-Chlorophenyl-phenylether | 15.82 | 204  | 737644   | 47.88 | nq    | 97       |
| 61) 4-Nitroaniline             | 15.87 | 138  | 343848   | 40.63 | nq    | # 70     |
| 62) Azobenzene                 | 16.12 | 77   | 1617231  | 52.80 | nq    | 89       |
| 64) 4,6-Dinitro-2-methylphenol | 15.91 | 198  | 325250   | 49.22 | nq    | 91       |
| 65) n-Nitrosodiphenylamine     | 16.04 | 169  | 1319101  | 46.28 | nq    | 95       |
| 66) 4-Bromophenyl-phenylether  | 16.72 | 248  | 535603   | 47.28 | nq    | 97       |
| 67) Hexachlorobenzene          | 16.85 | 284  | 572735   | 46.22 | nq    | 95       |
| 68) Atrazine                   | 16.99 | 200  | 541725   | 49.49 | nq    | 97       |
| 69) Pentachlorophenol          | 17.19 | 266  | 690445   | 95.57 | nq    | 98       |
| 70) Phenanthrene               | 17.59 | 178  | 2290006  | 46.44 | nq    | 94       |
| 71) Anthracene                 | 17.68 | 178  | 2330015  | 46.98 | nq    | 95       |
| 72) Carbazole                  | 17.95 | 167  | 2162703  | 49.66 | nq    | 97       |
| 73) Di-n-butylphthalate        | 18.49 | 149  | 2426284  | 56.98 | nq    | 98       |
| 74) Fluoranthene               | 19.60 | 202  | 2570150  | 57.88 | nq    | 92       |
| 76) Benzidine                  | 19.78 | 184  | 158616   | 5.96  | nq    | 97       |
| 77) Pyrene                     | 19.96 | 202  | 2607246  | 48.86 | nq    | 95       |
| 79) Butylbenzylphthalate       | 20.84 | 149  | 1159050  | 50.29 | nq    | 97       |
| 80) Benzo(a)anthracene         | 21.84 | 228  | 2509185  | 47.49 | nq    | 98       |
| 81) 3,3'-Dichlorobenzidine     | 21.75 | 252  | 677716   | 31.27 | nq    | # 98     |
| 82) Chrysene                   | 21.91 | 228  | 2346570  | 46.68 | nq    | 95       |
| 83) Bis(2-ethylhexyl)phthalate | 21.72 | 149  | 1564638  | 49.57 | nq    | 99       |
| 84) Di-n-octyl phthalate       | 22.98 | 149  | 2565479  | 47.63 | nq    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 29.11 | 276  | 3061589  | 48.74 | nq    | # 100    |
| 87) Benzo(b)fluoranthene       | 24.16 | 252  | 2642857  | 49.81 | nq    | # 94     |
| 88) Benzo(k)fluoranthene       | 24.24 | 252  | 2509398  | 49.24 | nq    | # 97     |
| 89) Benzo(a)pyrene             | 25.08 | 252  | 2518419  | 49.91 | nq    | # 96     |
| 90) Dibenzo(a,h)anthracene     | 29.17 | 278  | 2593448  | 50.31 | nq    | # 93     |
| 91) Benzo(g,h,i)perylene       | 30.32 | 276  | 2550631  | 49.14 | nq    | # 92     |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 8.12 min Scan# 899

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

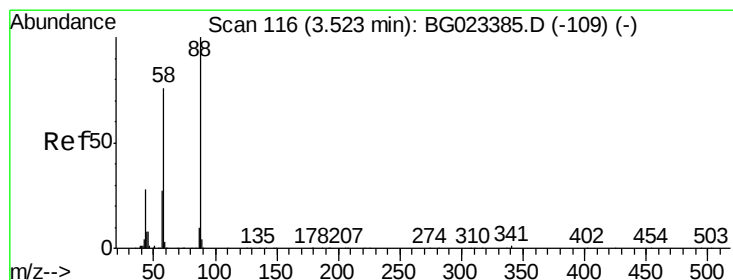
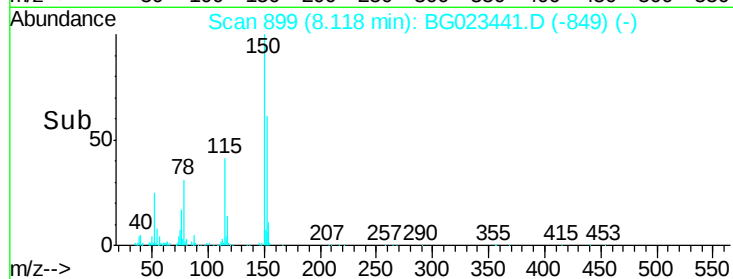
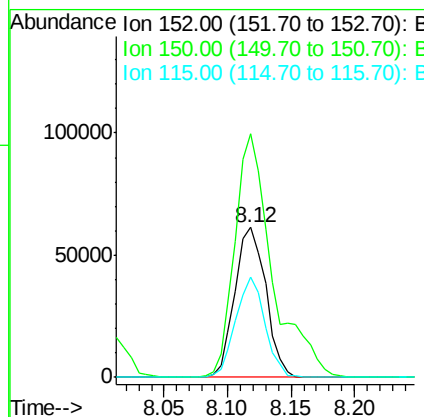
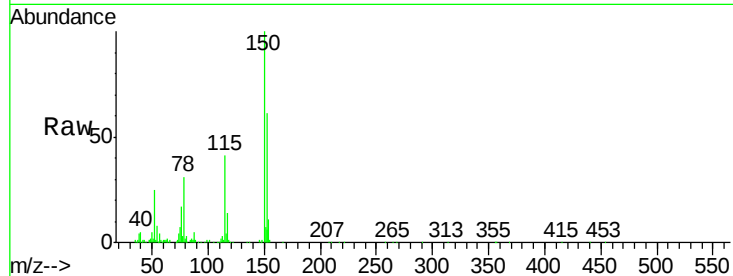
ClientSampleId :

GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 162.6 | 144.7 | 217.1 |
| 115     | 66.9  | 64.0  | 96.0  |

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#2

1,4-Dioxane

Concen: 15.68 ng

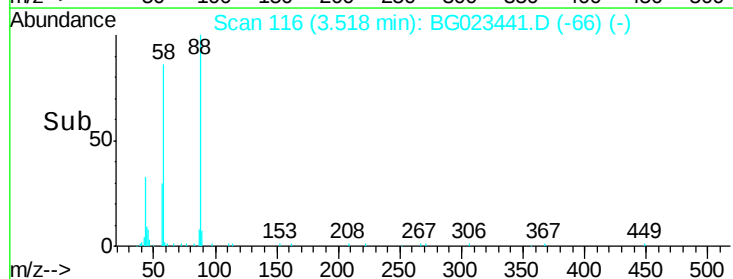
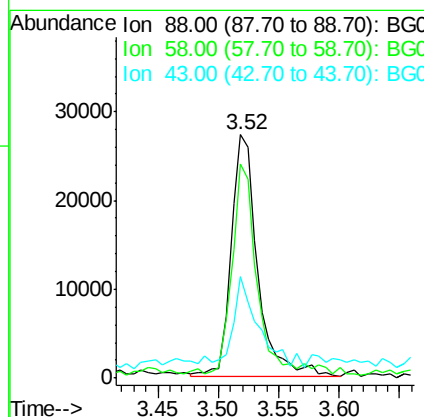
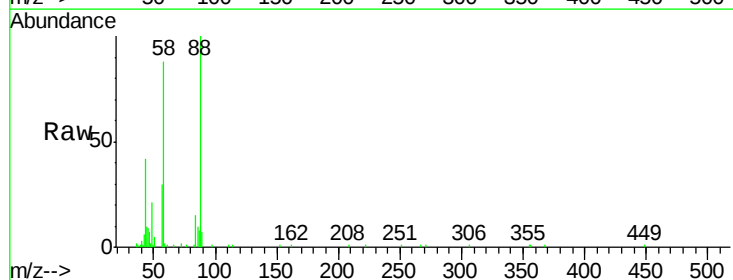
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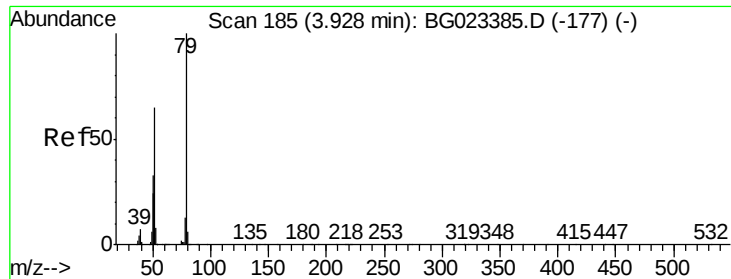
Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 79.1  | 60.4  | 90.6  |
| 43      | 36.9  | 31.1  | 46.7  |





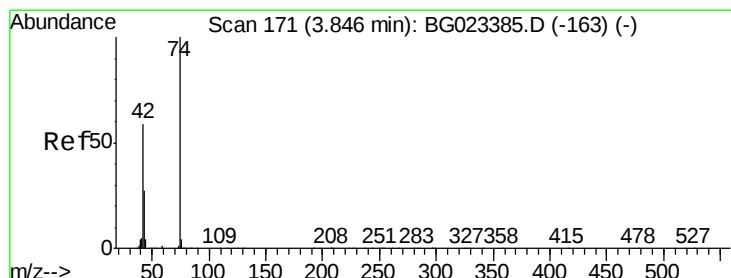
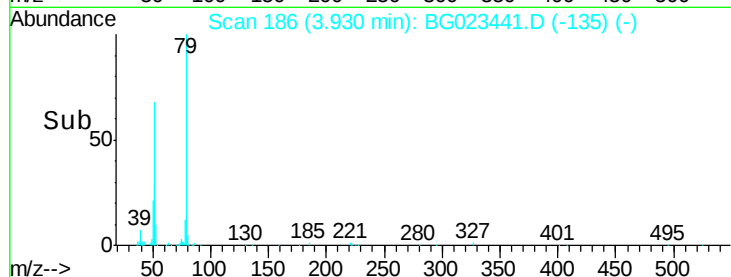
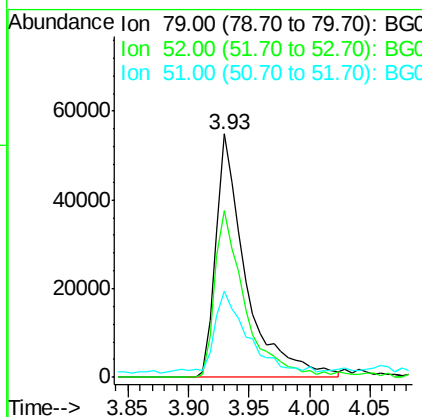
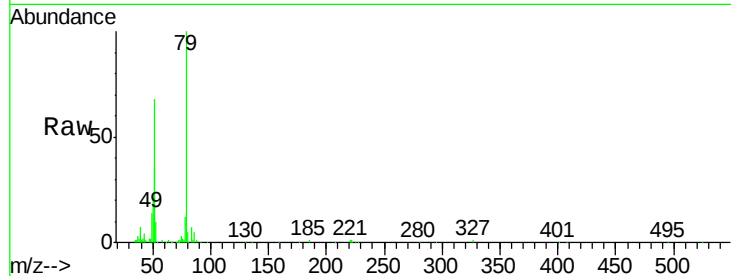
#3  
 Pvridine  
 Concen: 10.87 ng  
 RT: 3.93 min Scan# 186  
 Delta R.T. 0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 93955 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 52        | 68.4  | 51.8  | 77.8  |
| 51        | 35.1  | 32.7  | 49.1  |

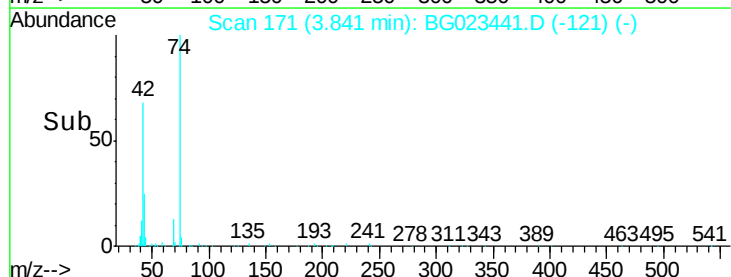
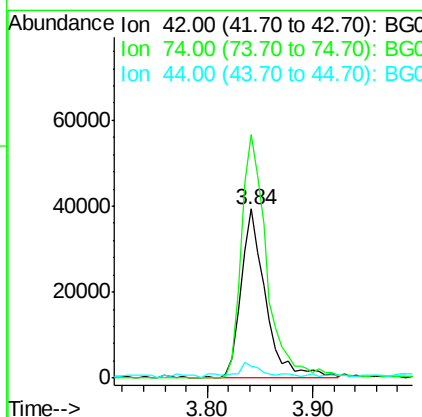
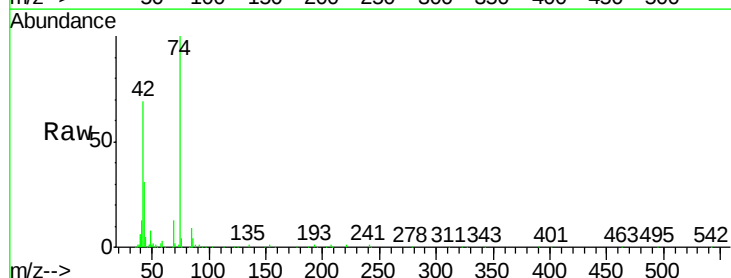
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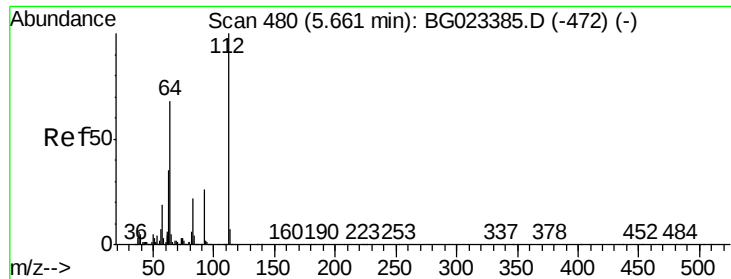
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#4  
 n-Nitrosodimethylamine  
 Concen: 19.77 ng  
 RT: 3.84 min Scan# 171  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 63336 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 144.1 | 100.6 | 150.8 |
| 44        | 6.8   | 4.5   | 6.7#  |





#5

2-Fluorophenol

Concen: 77.42 ng

RT: 5.66 min Scan# 480

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

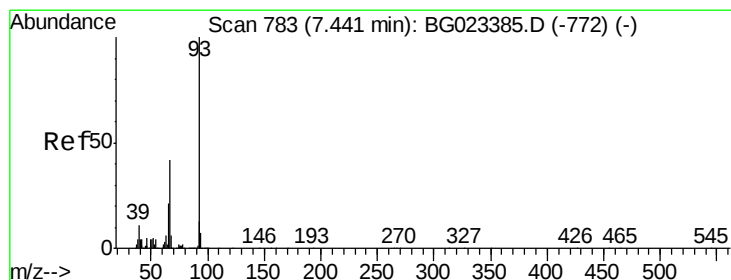
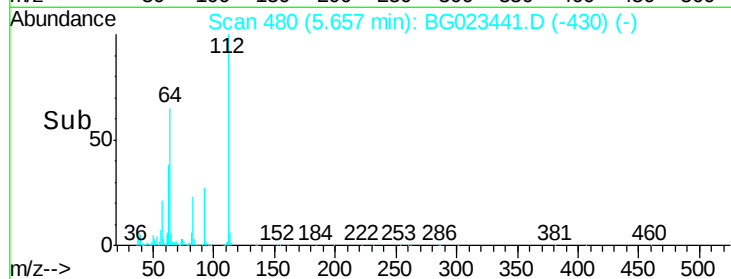
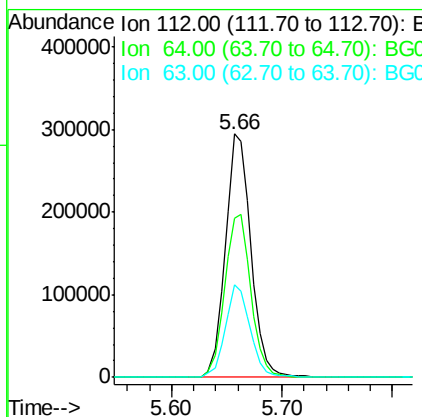
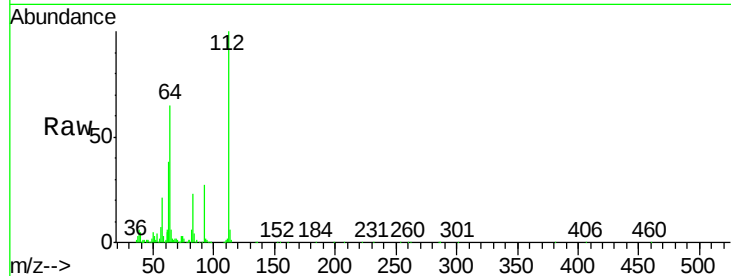
ClientSampleId :

GW-34-7.0-15.0MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 477706 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 65.3  | 59.0  | 88.4   |
| 63        | 37.9  | 37.8  | 56.8   |

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#6

Aniline

Concen: 21.55 ng

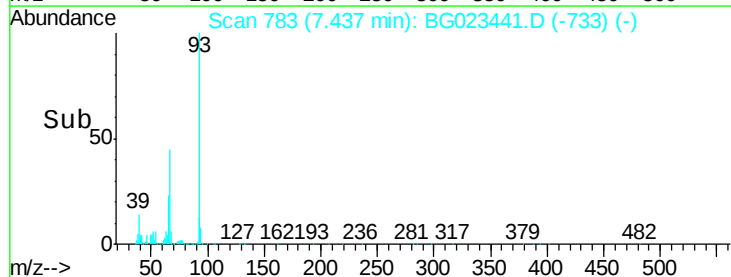
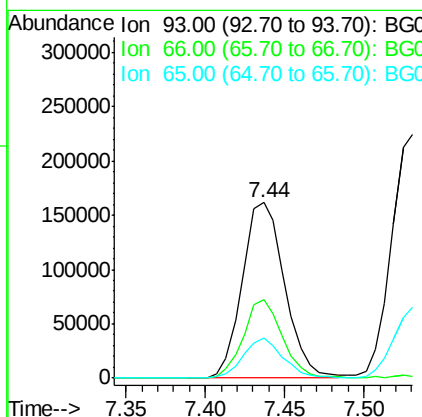
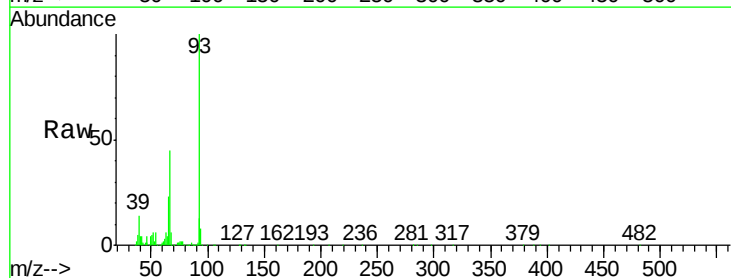
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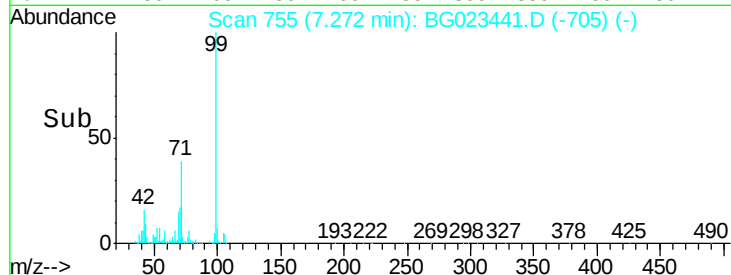
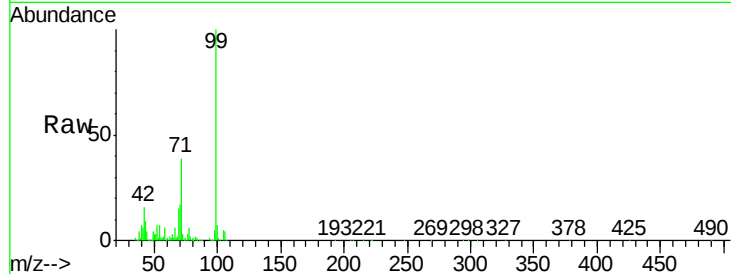
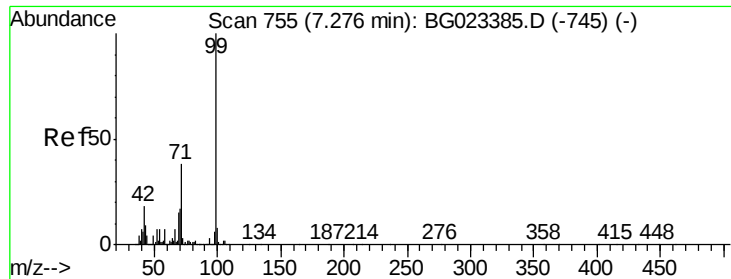
Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 299282 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 44.6  | 37.5  | 56.3   |
| 65        | 23.1  | 17.9  | 26.9   |





#7

Phenol-d6

Concen: 51.35 ng

RT: 7.27 min Scan# 755

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 493547 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 15.9  | 17.8  | 26.6#  |
| 71        | 38.8  | 41.5  | 62.3#  |

Instrument :

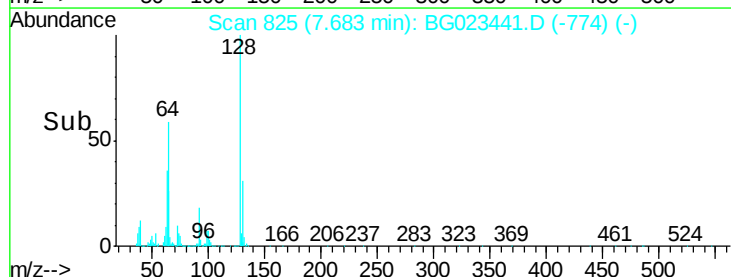
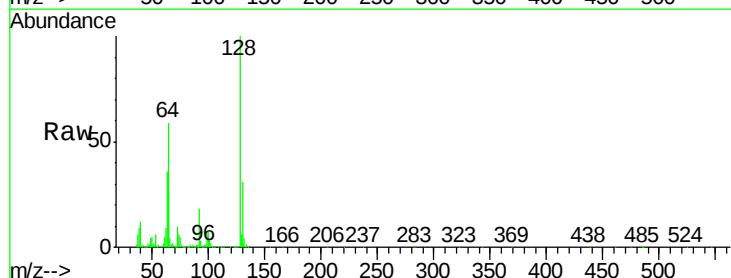
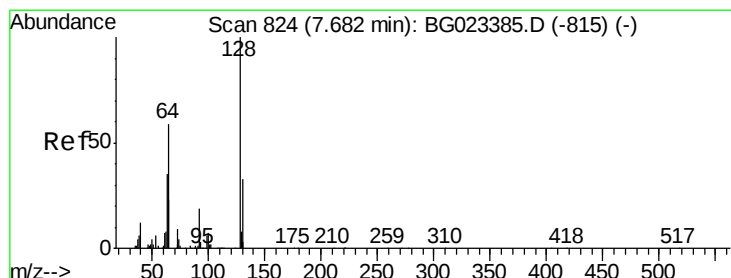
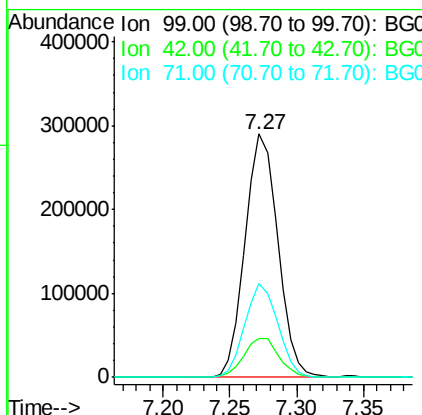
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ClientSampleId :

GW-34-7.0-15.0MS

Manual Integrations  
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#8

2-Chlorophenol

Concen: 41.86 ng

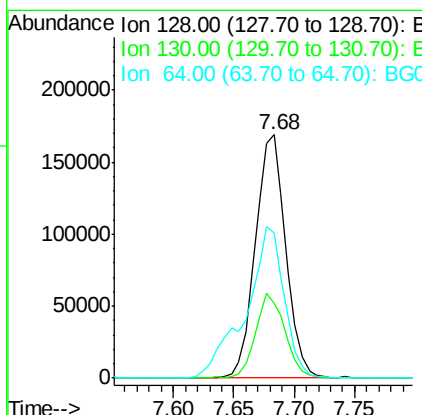
RT: 7.68 min Scan# 825

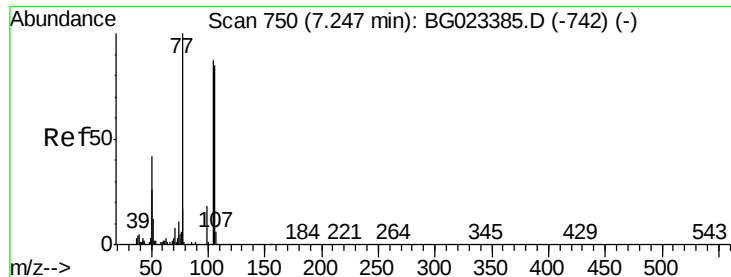
Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 296755 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 30.8  | 12.9  | 52.9   |
| 64        | 59.3  | 42.0  | 82.0   |





#9

Benzaldehyde

Concen: 37.47 ng

RT: 7.25 min Scan# 751

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

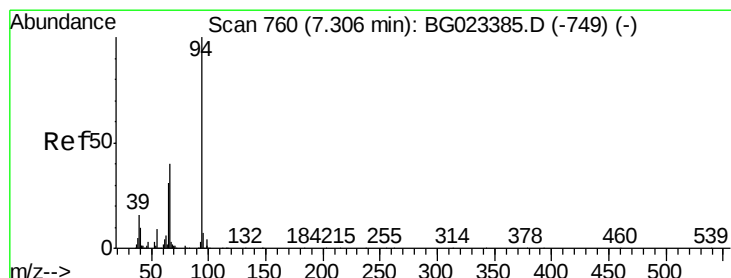
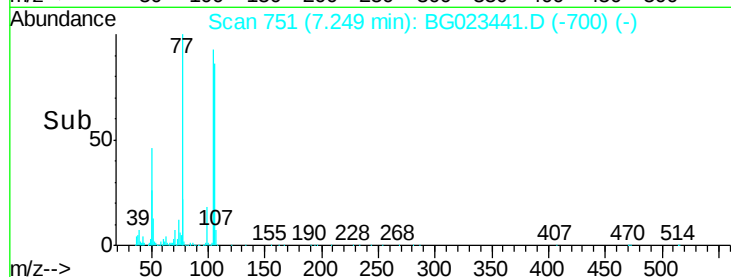
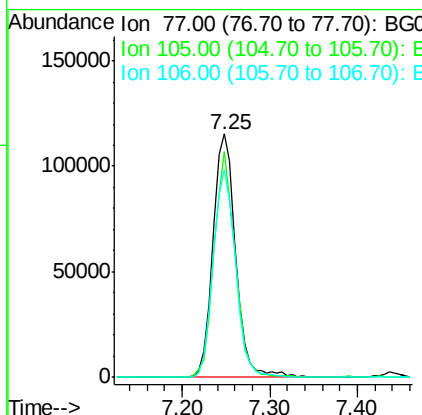
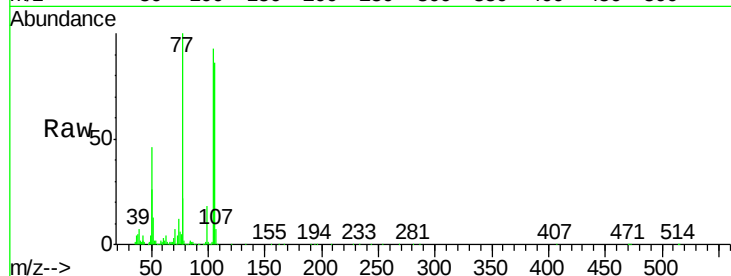
ClientSampleId :

GW-34-7.0-15.0MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 77    | Resp: | 208505 |
| Ion Ratio | Lower | Upper |        |
| 77        | 100   |       |        |
| 105       | 92.6  | 58.7  | 98.7   |
| 106       | 85.6  | 67.5  | 107.5  |

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#10

Phenol

Concen: 18.17 ng

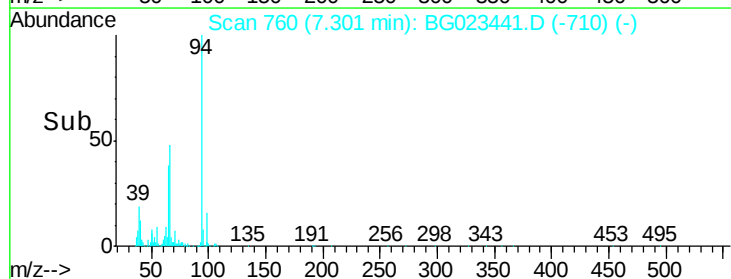
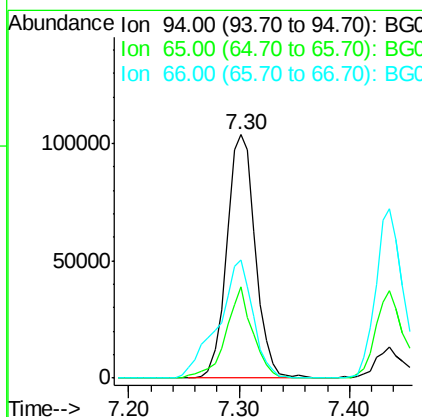
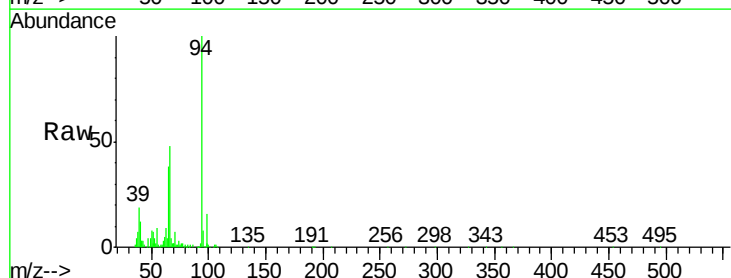
RT: 7.30 min Scan# 760

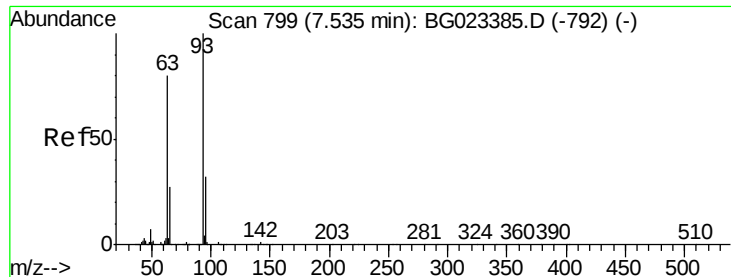
Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 186811 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 37.6  | 18.1  | 58.1   |
| 66        | 48.4  | 42.1  | 82.1   |





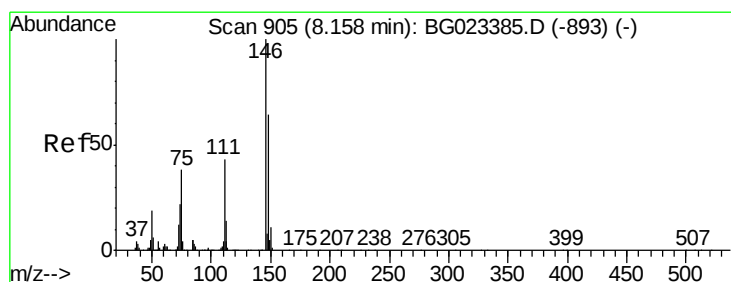
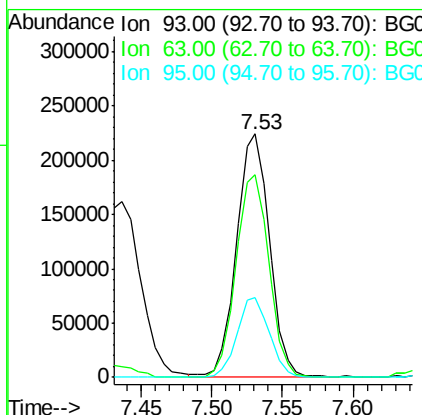
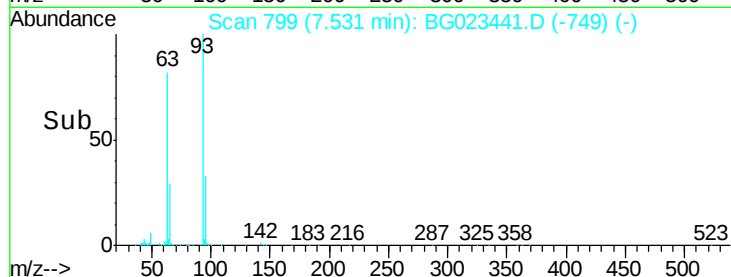
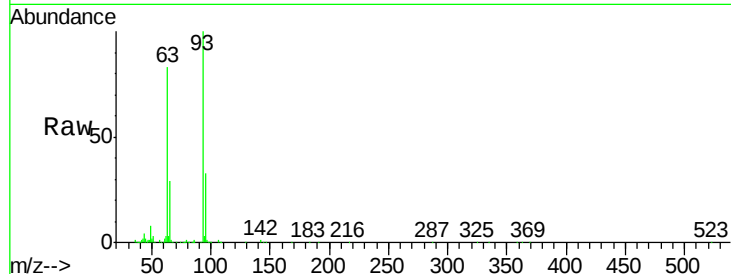
#11  
bis(2-Chloroethyl)ether  
Concen: 44.59 ng  
RT: 7.53 min Scan# 799  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 93    | Resp: | 365693 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 63        | 83.3  | 55.0  | 95.0   |
| 95        | 32.6  | 11.0  | 51.0   |

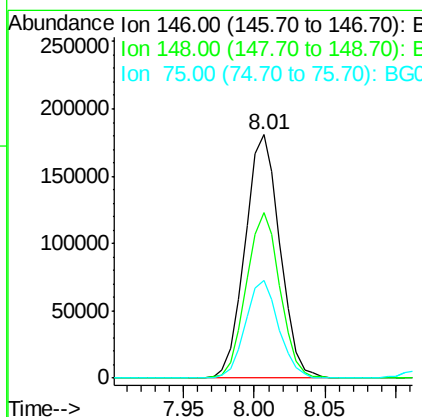
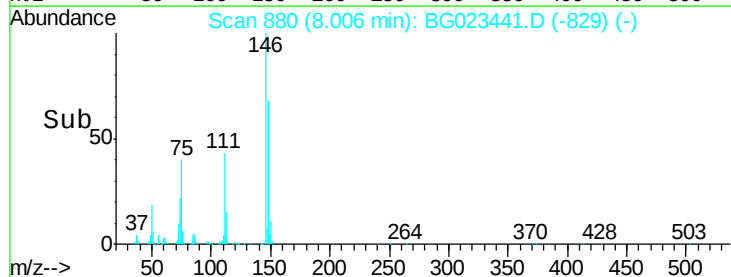
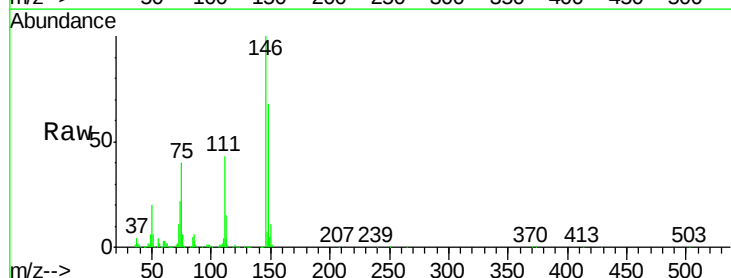
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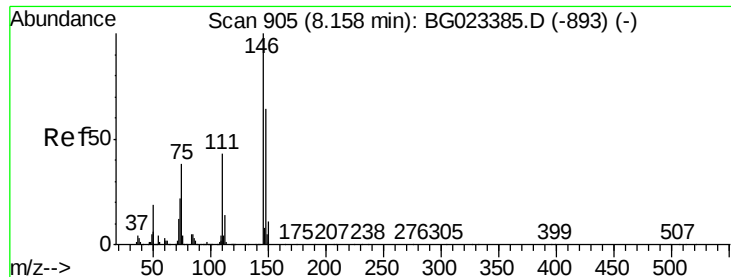
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#12  
1,3-Dichlorobenzene  
Concen: 38.47 ng  
RT: 8.01 min Scan# 880  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 312250 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 67.8  | 50.3  | 75.5   |
| 75        | 40.2  | 37.0  | 55.6   |





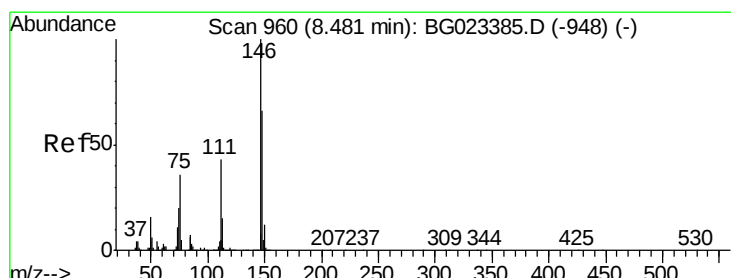
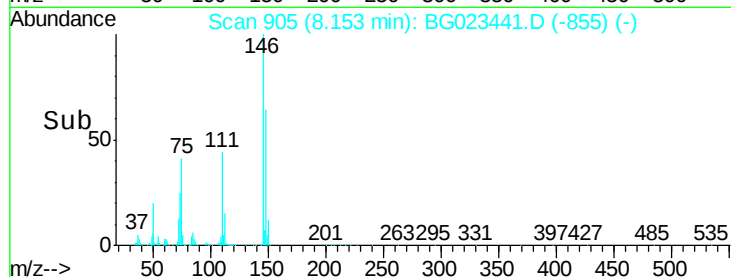
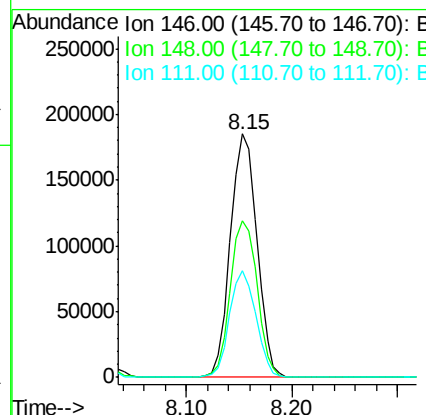
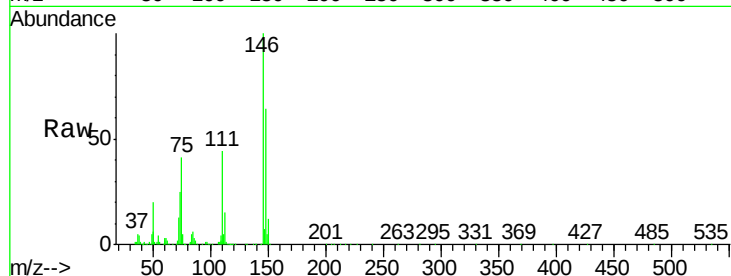
#13  
 1,4-Dichlorobenzene  
 Concen: 38.86 ng  
 RT: 8.15 min Scan# 905  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 64.3  | 54.5  | 81.7  |
| 111     | 43.7  | 37.8  | 56.8  |

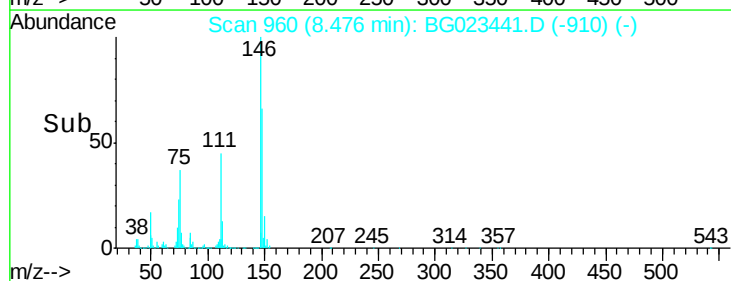
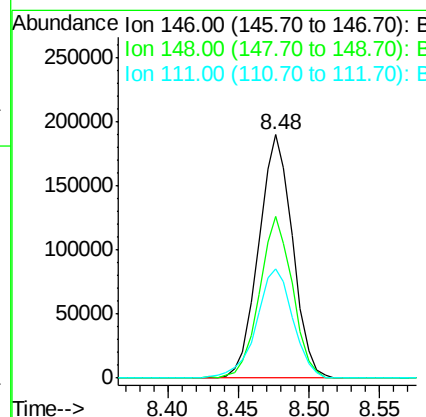
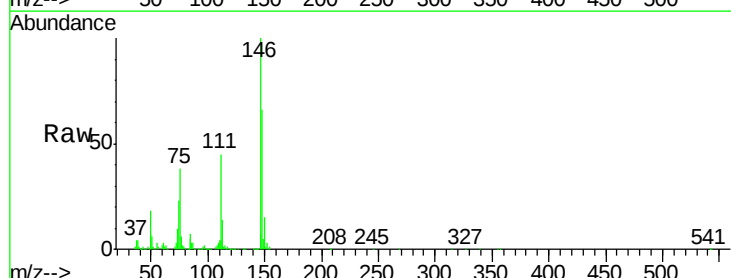
Manual Integrations  
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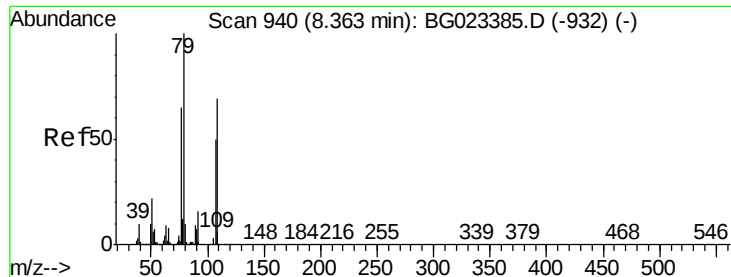
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#14  
 1,2-Dichlorobenzene  
 Concen: 39.19 ng  
 RT: 8.48 min Scan# 960  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.4  | 52.9  | 79.3  |
| 111     | 44.9  | 43.5  | 65.3  |





#15

Benzyl Alcohol

Concen: 36.92 ng

RT: 8.36 min Scan# 940

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

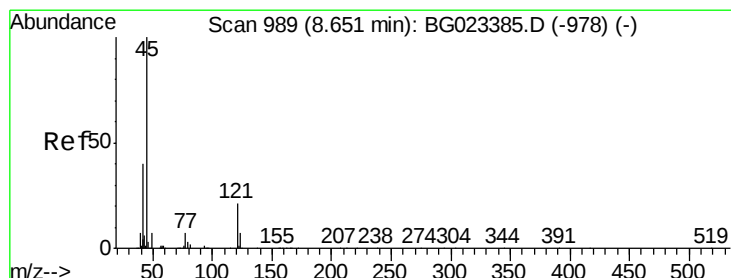
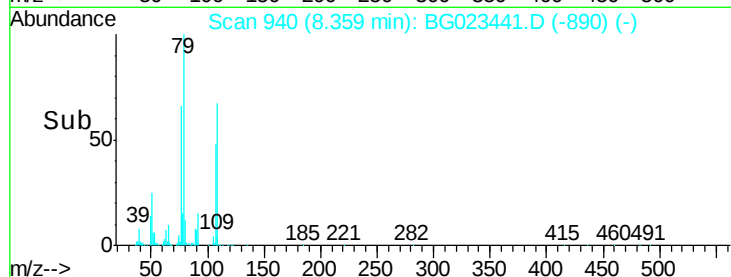
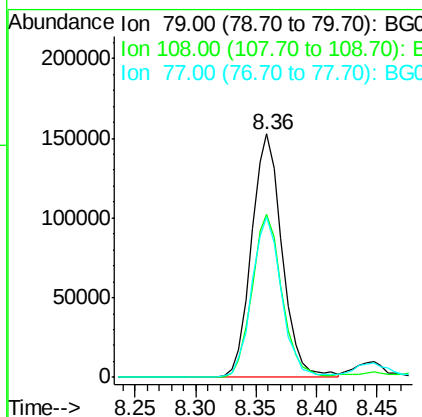
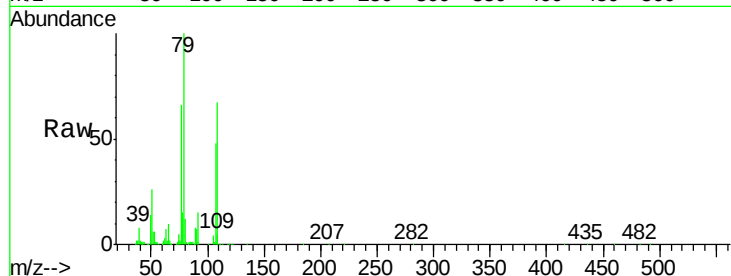
ClientSampleId :

GW-34-7.0-15.0MS

| Tot Ion   | 79    | Resp  | 268872 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 67.1  | 46.5  | 69.7   |
| 77        | 65.6  | 52.3  | 78.5   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 41.17 ng

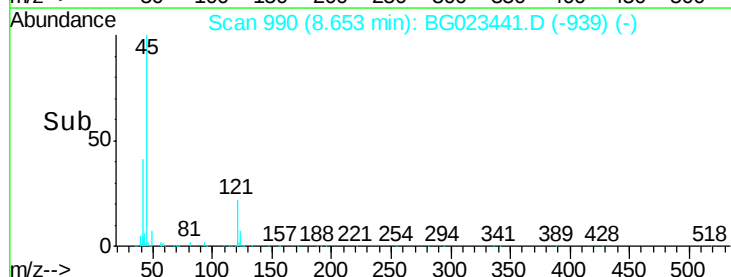
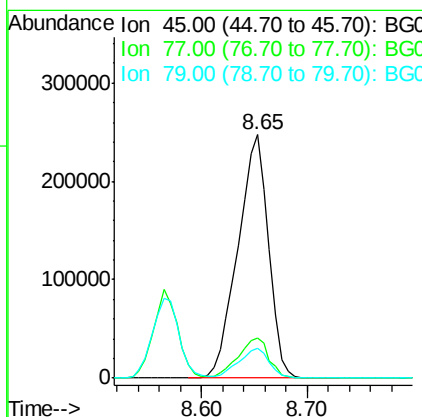
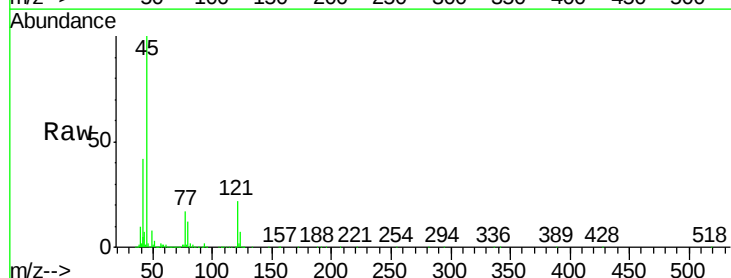
RT: 8.65 min Scan# 990

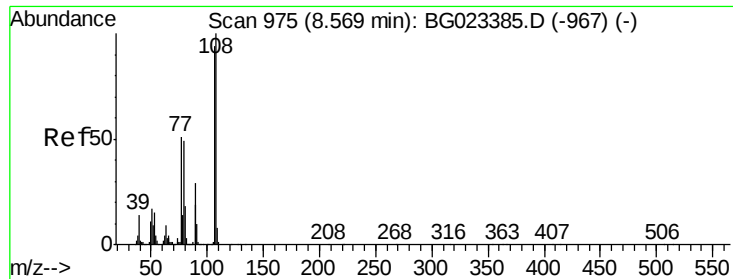
Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

| Tgt Ion   | 45    | Resp  | 496580 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 16.5  | 0.6   | 40.6   |
| 79        | 12.4  | 0.0   | 36.2   |





#17

2-Methylphenol

Concen: 37.04 ng

RT: 8.56 min Scan# 975

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

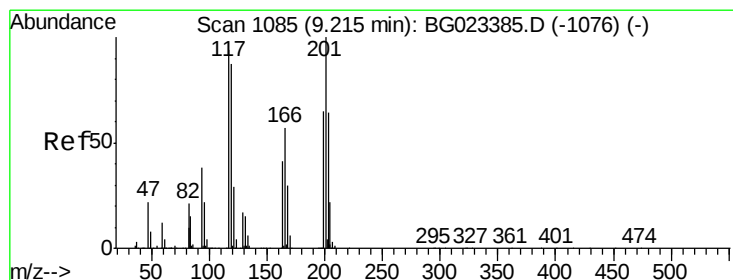
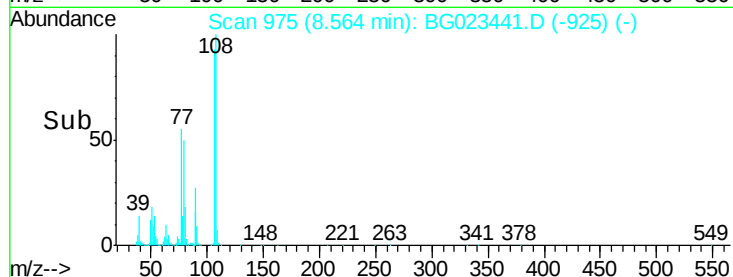
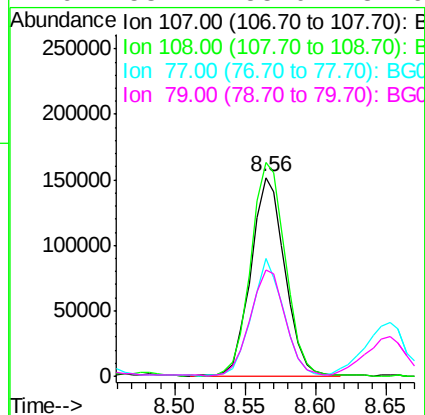
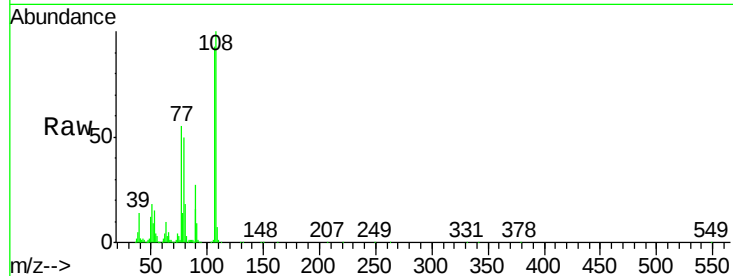
ClientSampleId :

GW-34-7.0-15.0MS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 107.4 | 92.0 | 138.0 |       |
| 77      | 59.3  | 55.8 | 83.6  |       |
| 79      | 53.2  | 55.0 | 82.6  |       |

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#18

Hexachloroethane

Concen: 38.53 ng

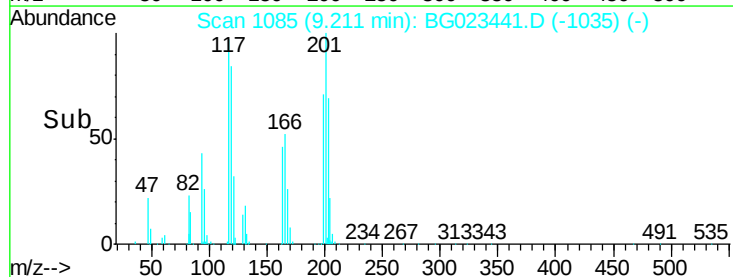
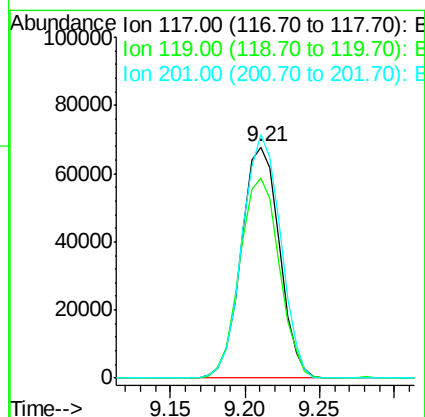
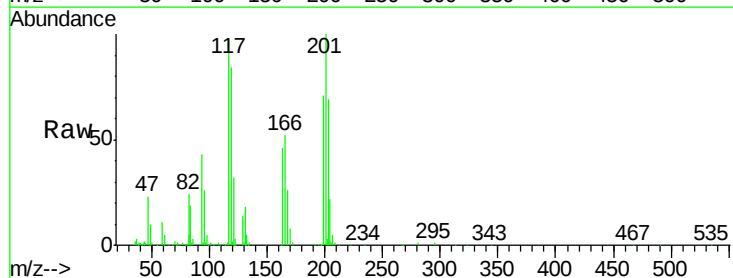
RT: 9.21 min Scan# 1085

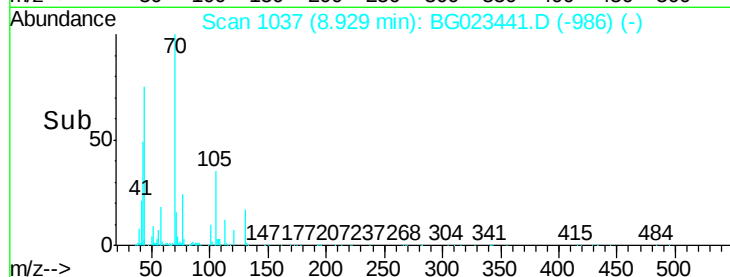
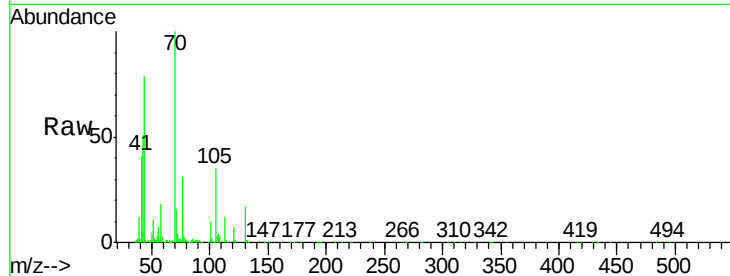
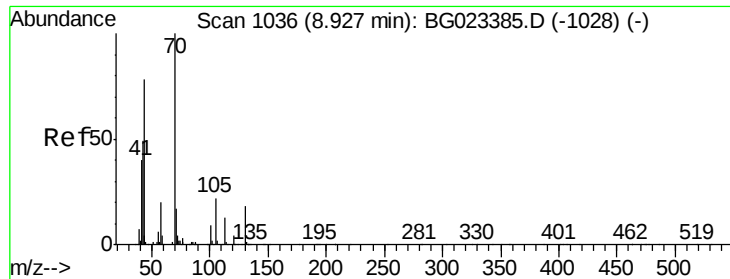
Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 86.6  | 73.7 | 110.5 |       |
| 201     | 105.3 | 88.7 | 133.1 |       |





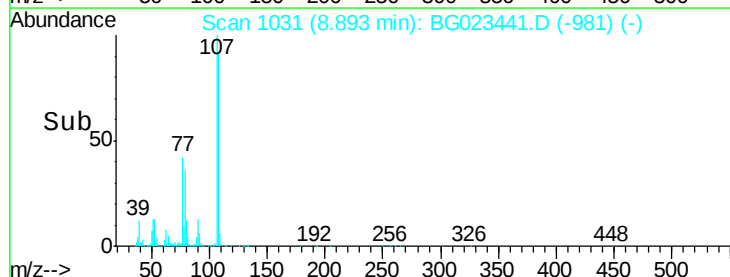
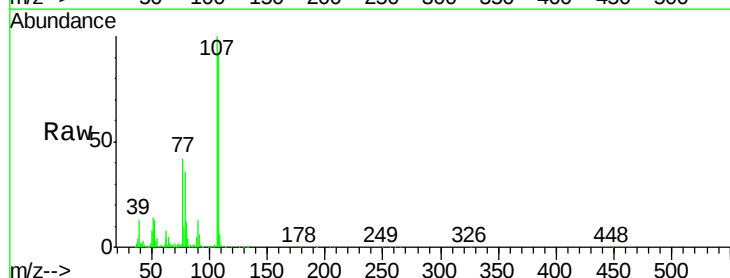
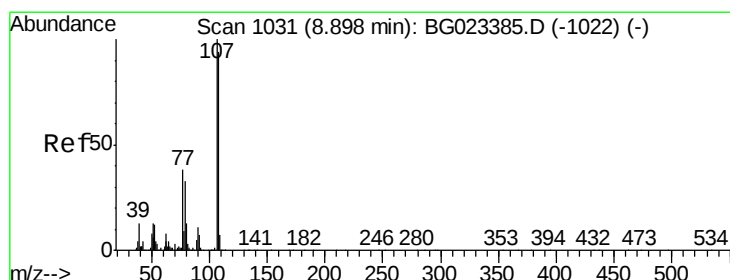
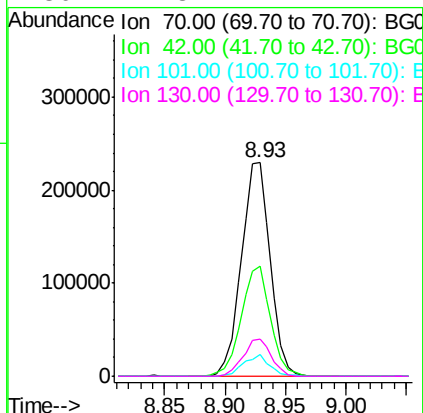
#19  
n-Nitroso-di-n-propylamine  
Concen: 46.20 ng  
RT: 8.93 min Scan# 1037  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 51.3 | 42.1  | 63.1  |       |
| 101     | 10.0 | 7.2   | 10.8  |       |
| 130     | 17.3 | 14.2  | 21.2  |       |

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

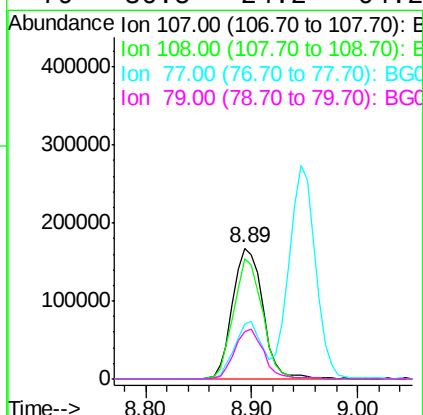
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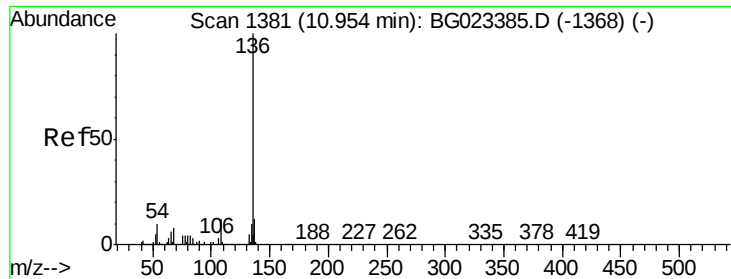
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#20  
3+4-Methylphenols  
Concen: 34.17 ng  
RT: 8.89 min Scan# 1031  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 92.3 | 72.5  | 112.5 |       |
| 77      | 42.0 | 30.1  | 70.1  |       |
| 79      | 36.5 | 24.2  | 64.2  |       |





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.95 min Scan# 1381

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

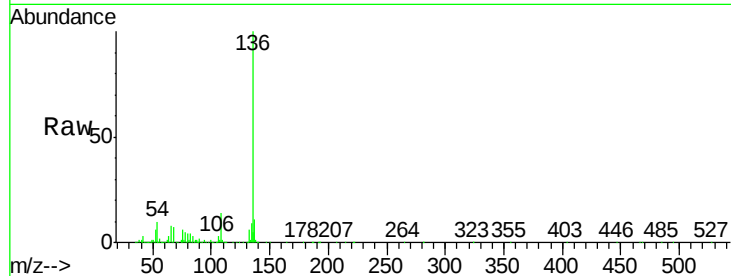
ClientSampleId :

GW-34-7.0-15.0MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 505474 |       |       |
| 137     | 11.0 |       | 9.6    | 14.4  |       |
| 54      | 10.1 |       | 7.3    | 10.9  |       |
| 68      | 7.4  |       | 5.3    | 7.9   |       |

Manual Integrations  
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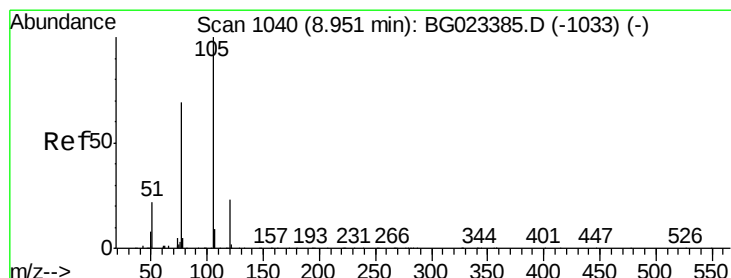
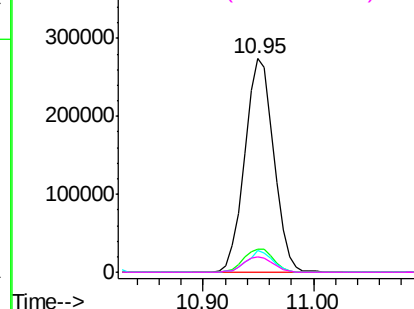
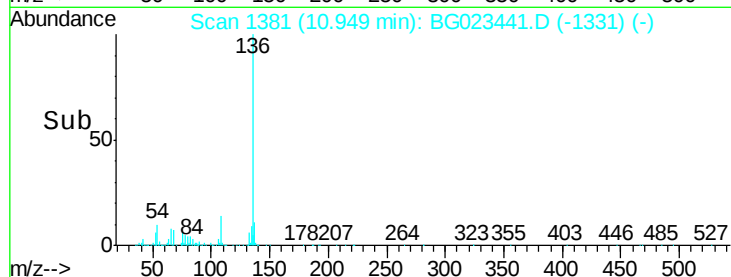
Abundance

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): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 40.33 ng

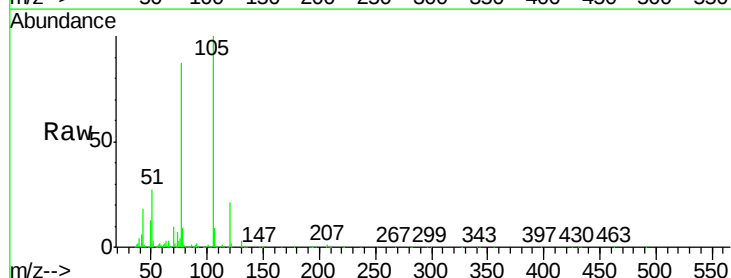
RT: 8.95 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 558198 |       |       |
| 71      | 1.7  |       | 2.6    | 3.8#  |       |
| 51      | 27.2 |       | 27.1   | 40.7  |       |
| 120     | 20.6 |       | 15.1   | 22.7  |       |



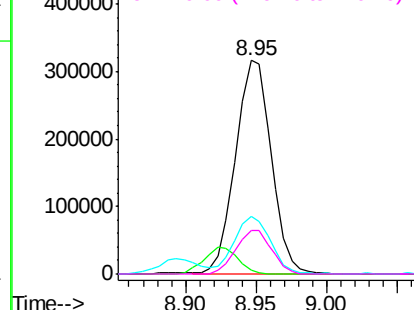
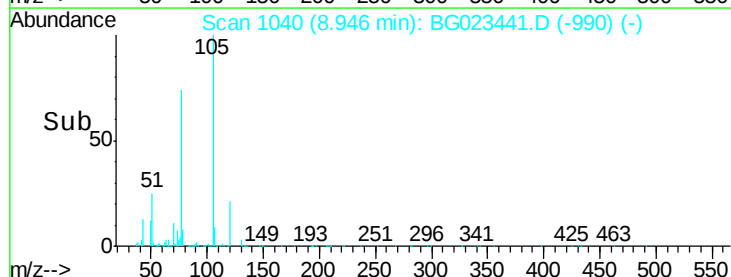
Abundance

Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





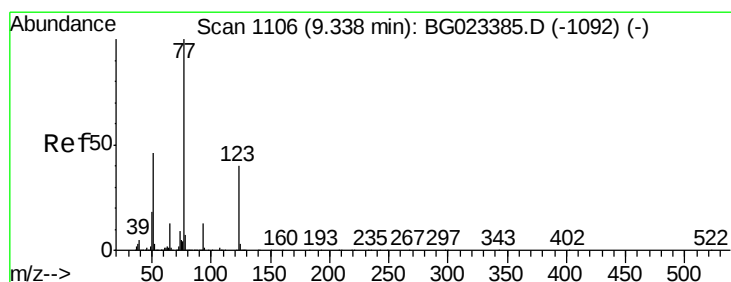
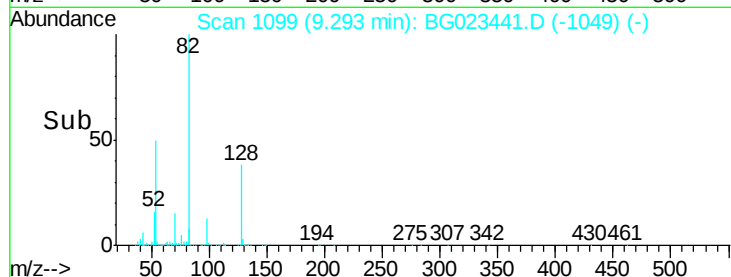
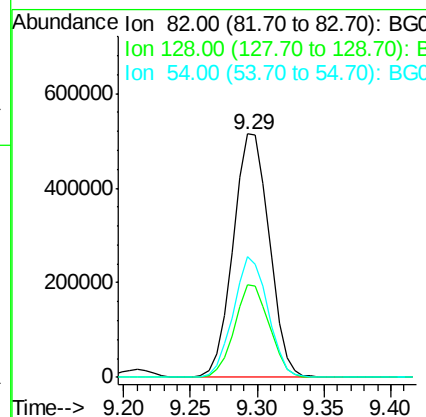
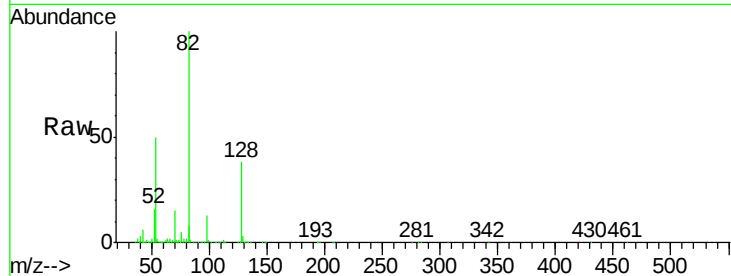
#23  
 Nitrobenzene-d5  
 Concen: 95.79 ng  
 RT: 9.29 min Scan# 1099  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 38.1  | 24.4  | 36.6# |
| 54      | 49.8  | 41.4  | 62.0  |

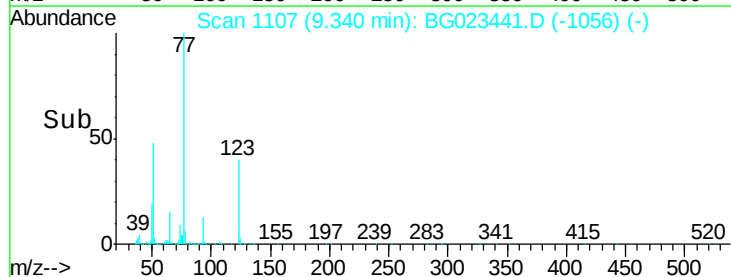
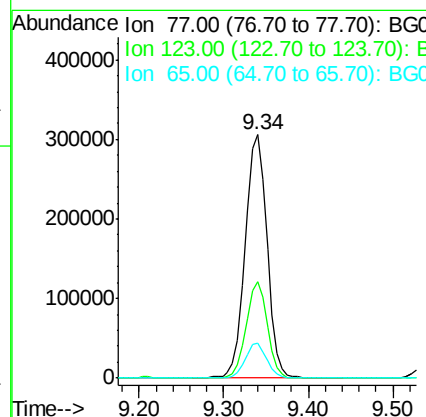
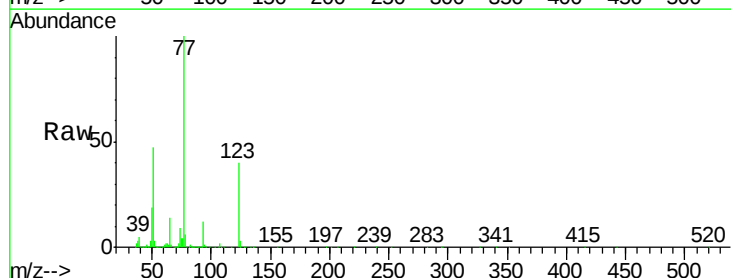
Manual Integrations  
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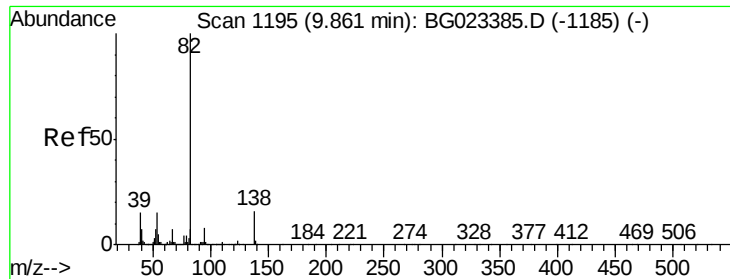
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#24  
 Nitrobenzene  
 Concen: 48.48 ng  
 RT: 9.34 min Scan# 1107  
 Delta R.T. 0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 39.7  | 25.0  | 37.6# |
| 65      | 14.5  | 13.4  | 20.0  |





#25

Isophorone

Concen: 49.31 ng

RT: 9.86 min Scan# 1195

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

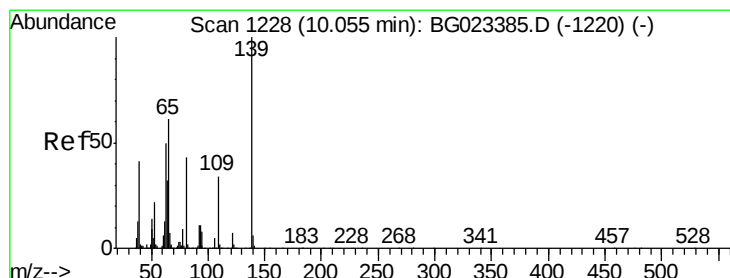
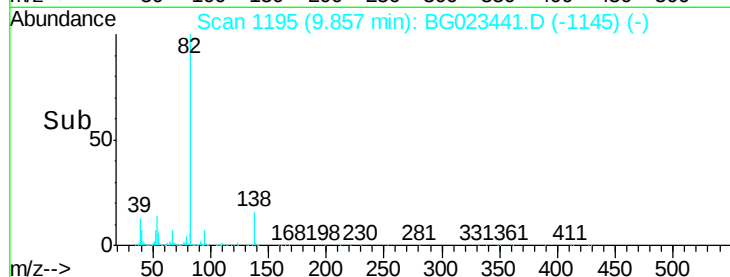
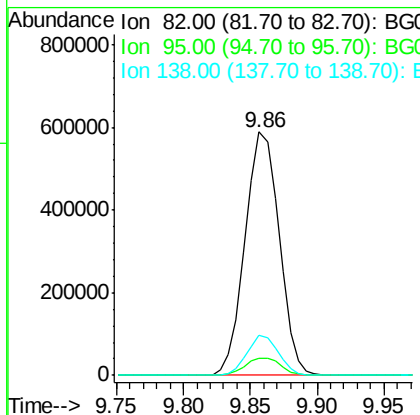
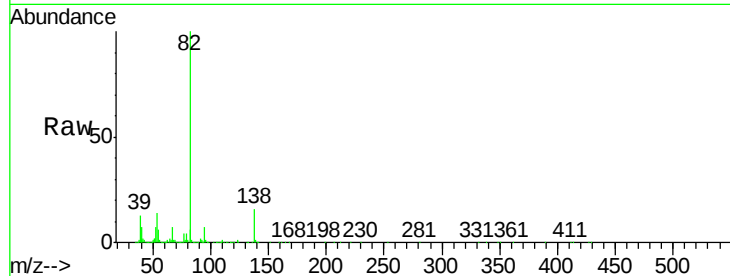
ClientSampleId :

GW-34-7.0-15.0MS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 82    | Resp: | 1044319 |
| Ion      | Ratio | Lower | Upper   |
| 82       | 100   |       |         |
| 95       | 7.1   | 8.2   | 12.2#   |
| 138      | 16.3  | 10.7  | 16.1#   |

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#26

2-Nitrophenol

Concen: 46.08 ng

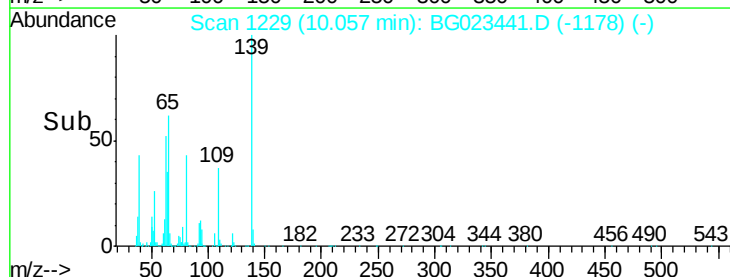
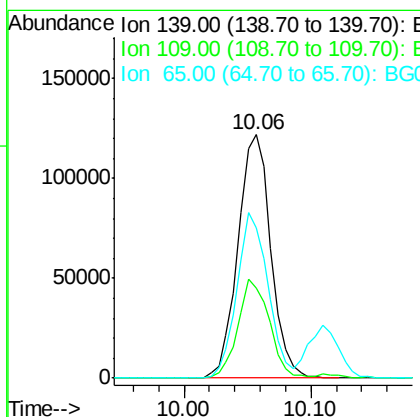
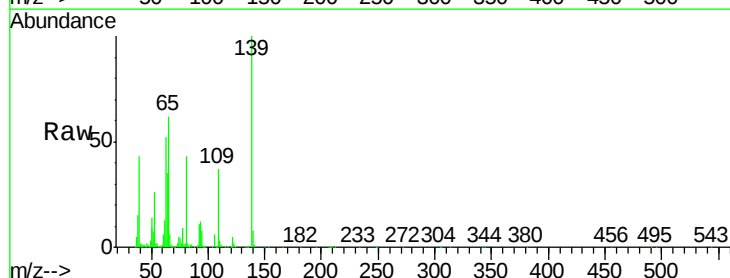
RT: 10.06 min Scan# 1229

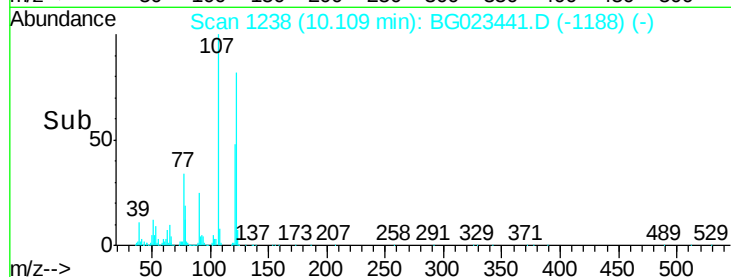
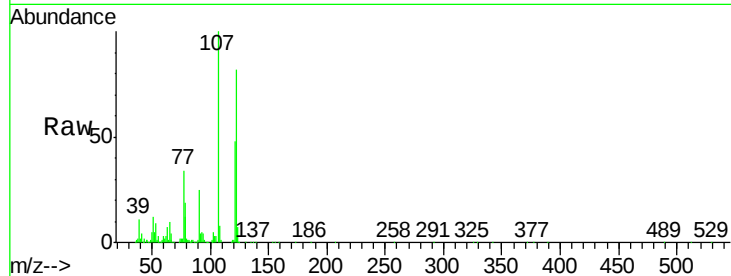
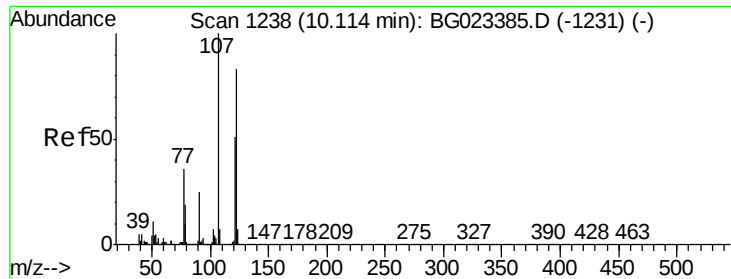
Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 139   | Resp: | 218970 |
| Ion      | Ratio | Lower | Upper  |
| 139      | 100   |       |        |
| 109      | 36.7  | 43.5  | 65.3#  |
| 65       | 61.9  | 64.3  | 96.5#  |





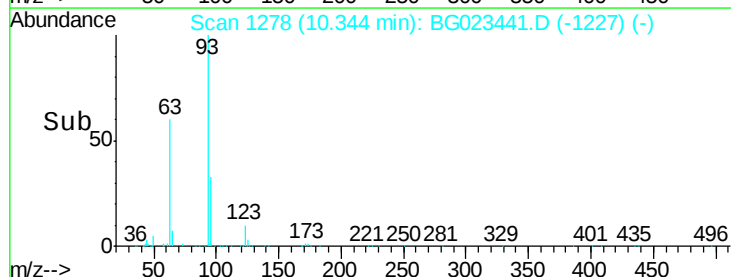
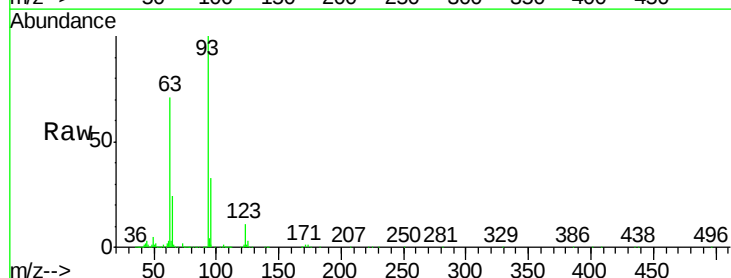
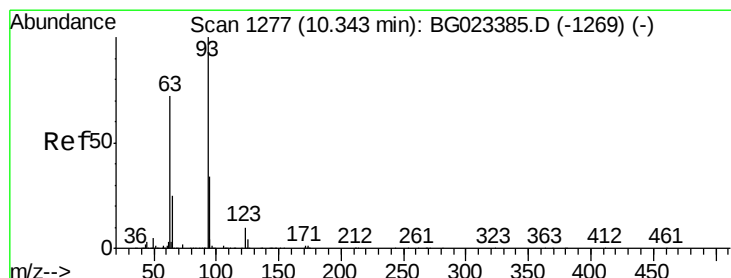
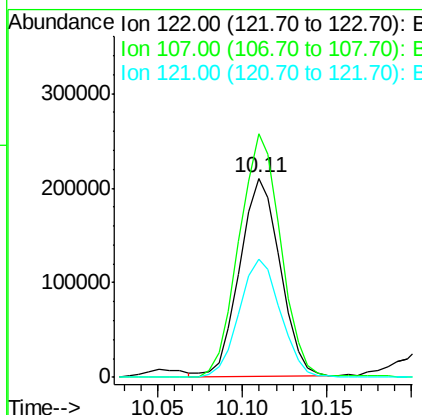
#27  
2,4-Dimethylphenol  
Concen: 43.25 ng  
RT: 10.11 min Scan# 1238  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 122.1 | 117.0 | 175.4 |
| 121     | 59.2  | 50.1  | 75.1  |

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

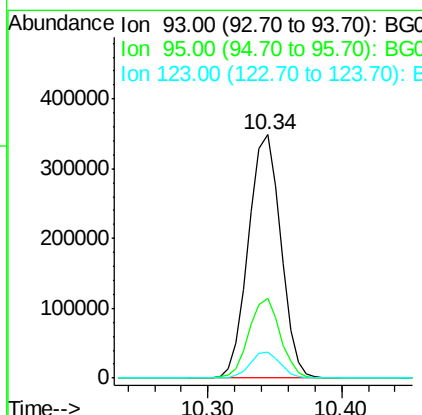
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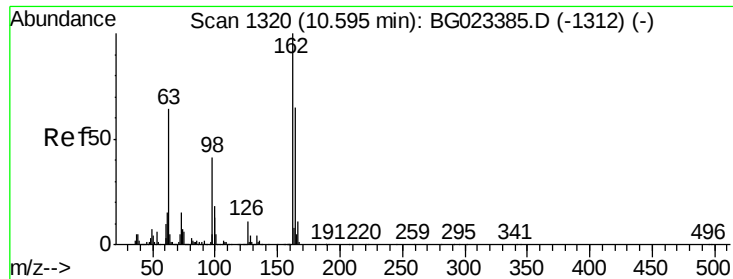
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#28  
bis(2-Chloroethoxy)methane  
Concen: 45.85 ng  
RT: 10.34 min Scan# 1278  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 32.7  | 25.4  | 38.2  |
| 123     | 10.5  | 8.2   | 12.2  |





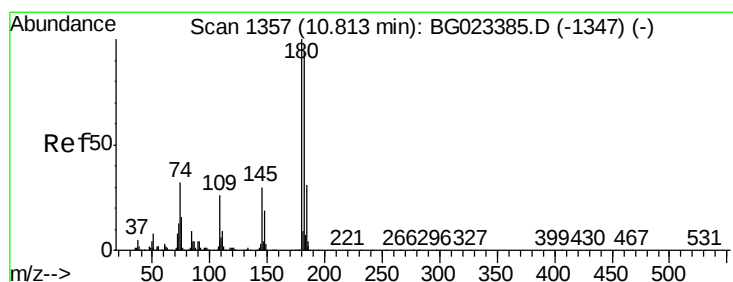
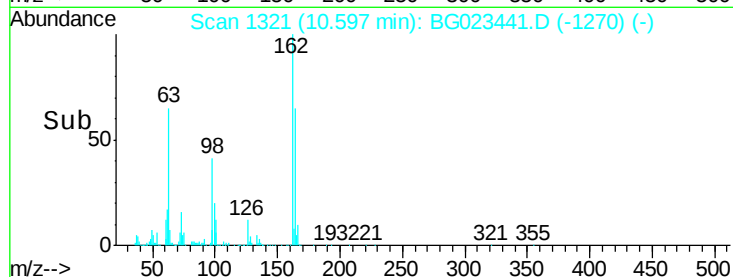
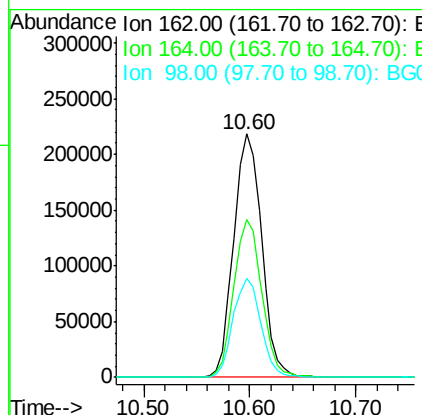
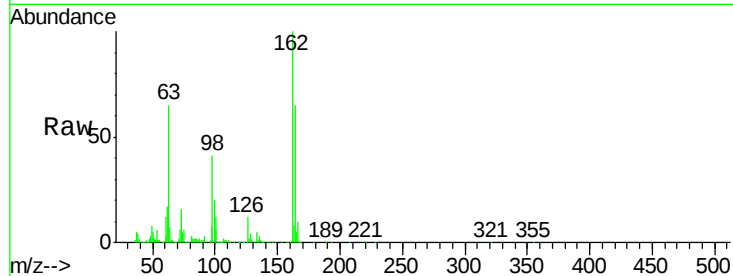
#29  
2,4-Dichlorophenol  
Concen: 49.13 ng  
RT: 10.60 min Scan# 1321  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.9  | 44.3       | 84.3  |
| 98      | 40.8  | 19.5       | 59.5  |

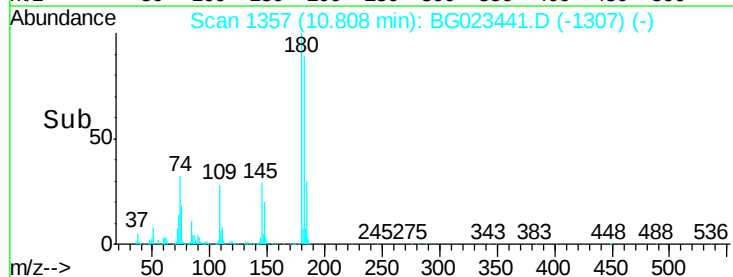
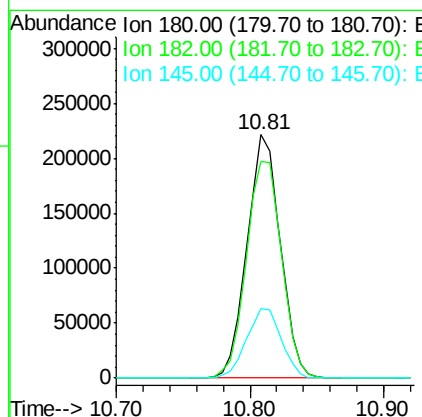
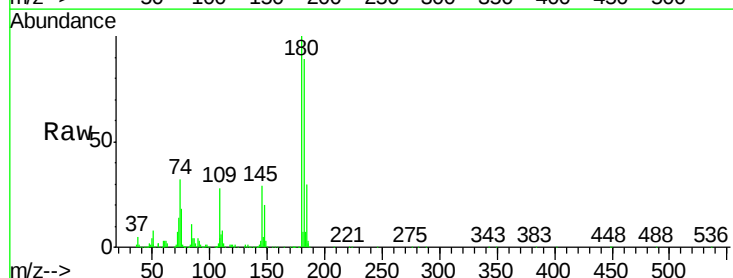
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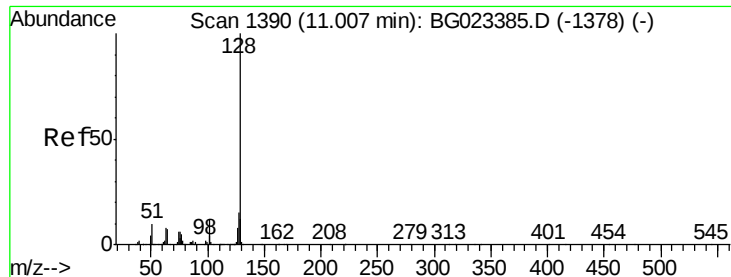
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#30  
1,2,4-Trichlorobenzene  
Concen: 43.34 ng  
RT: 10.81 min Scan# 1357  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 89.3  | 73.8       | 110.8 |
| 145     | 28.7  | 24.4       | 36.6  |





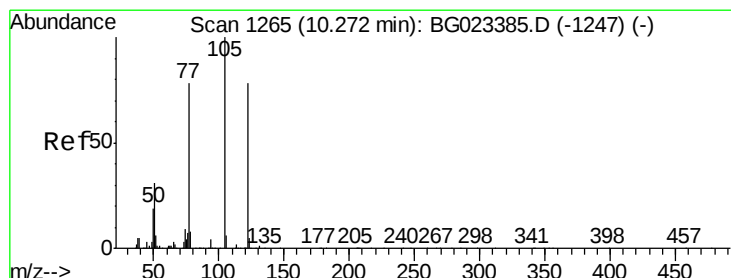
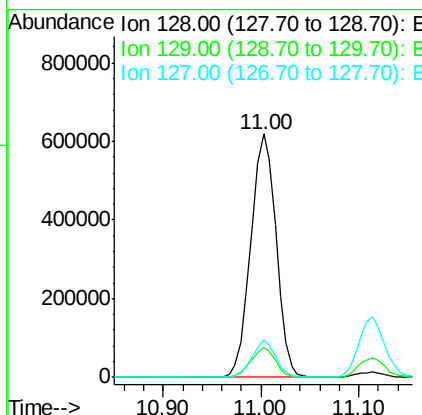
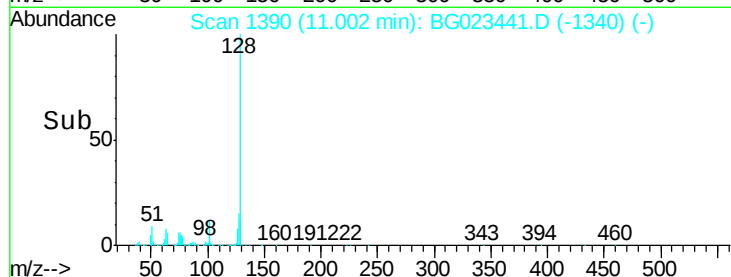
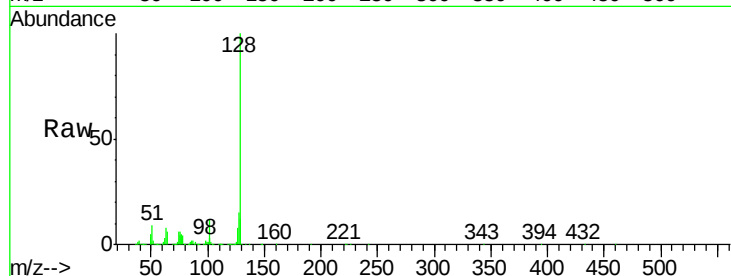
#31  
Naphthalene  
Concen: 43.55 ng  
RT: 11.00 min Scan# 1390  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 12.2  | 9.4   | 14.0  |
| 127     | 15.2  | 11.3  | 16.9  |

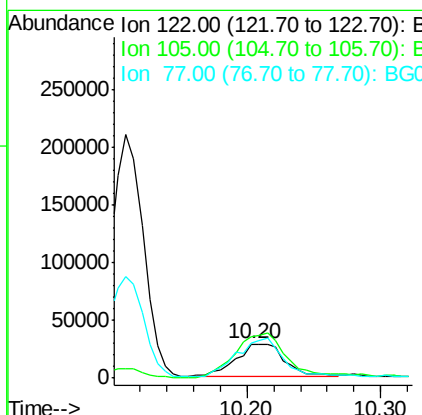
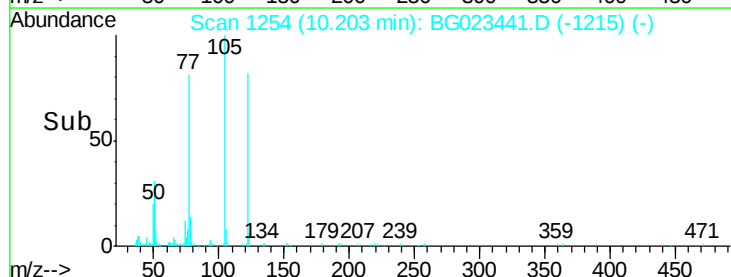
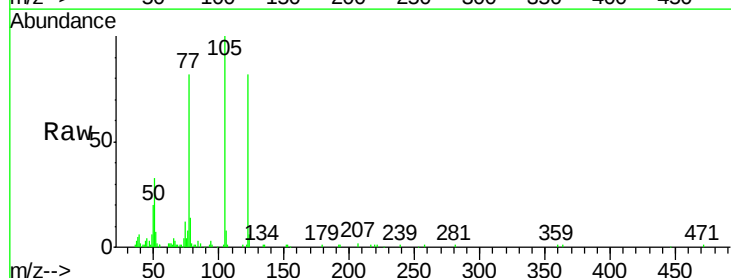
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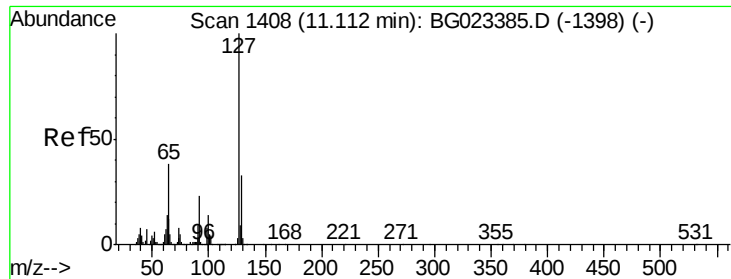
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#32  
Benzoic acid  
Concen: 14.58 ng  
RT: 10.20 min Scan# 1254  
Delta R.T. -0.07 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 122.3 | 117.2 | 157.2 |
| 77      | 100.5 | 109.2 | 149.2 |





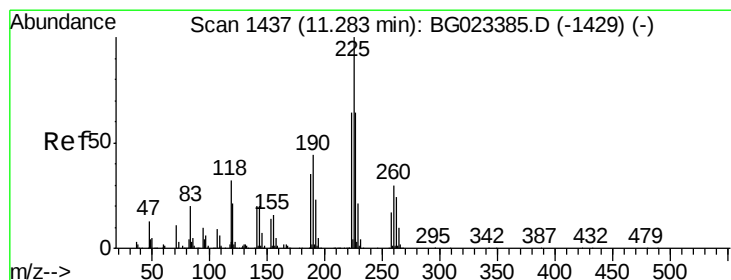
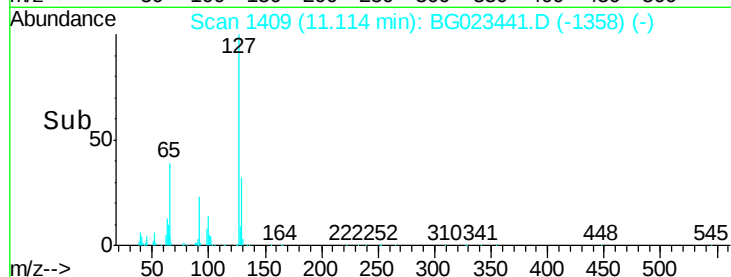
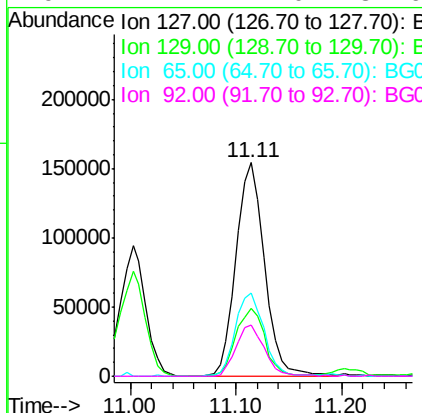
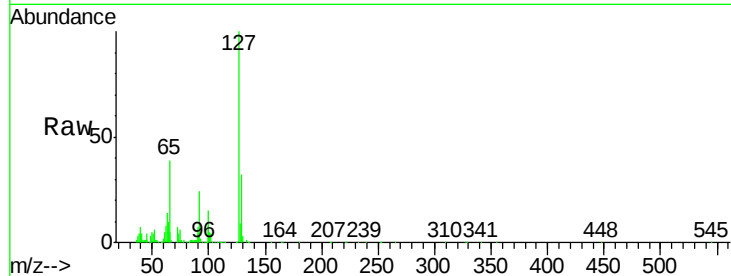
#33  
4-Chloroaniline  
Concen: 23.37 ng  
RT: 11.11 min Scan# 1409  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 127     | 100  |       | 287590 |       |       |
| 129     | 31.9 |       | 27.9   | 41.9  |       |
| 65      | 39.1 |       | 36.8   | 55.2  |       |
| 92      | 24.1 |       | 21.0   | 31.6  |       |

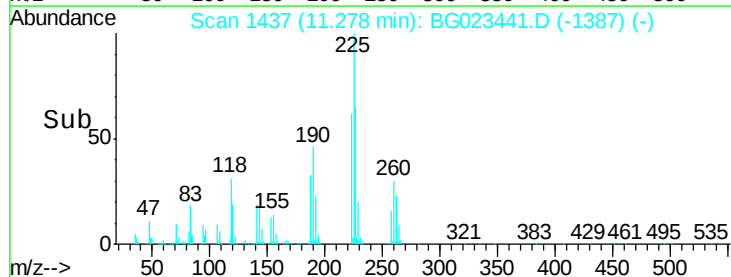
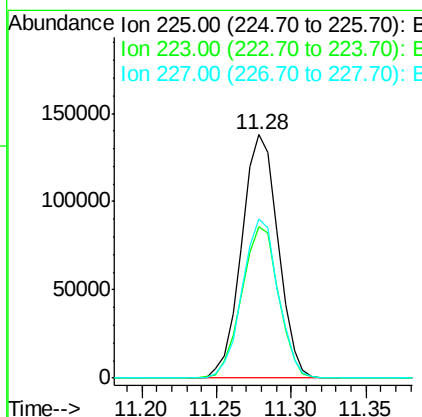
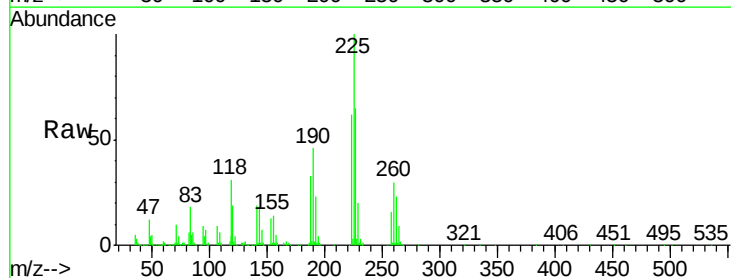
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#34  
Hexachlorobutadiene  
Concen: 40.39 ng  
RT: 11.28 min Scan# 1437  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 225     | 100  |       | 233053 |       |       |
| 223     | 62.2 |       | 49.6   | 74.4  |       |
| 227     | 65.3 |       | 54.5   | 81.7  |       |





#35

Caprolactam

Concen: 9.16 ng/mL

RT: 11.90 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

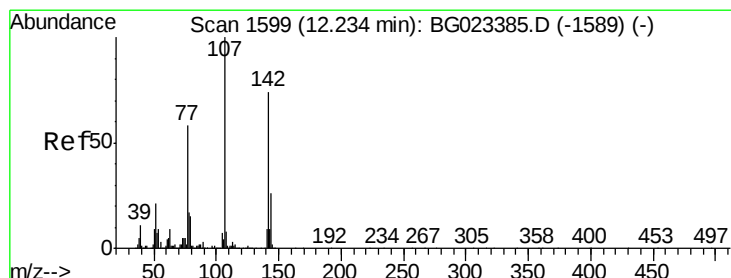
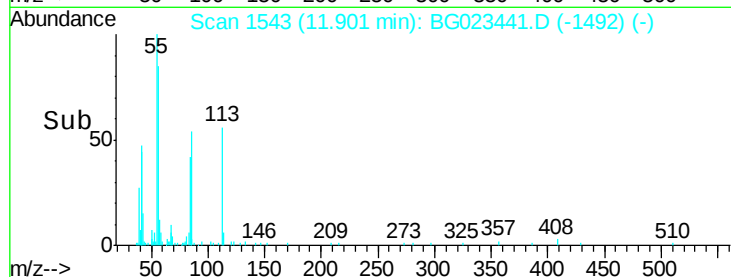
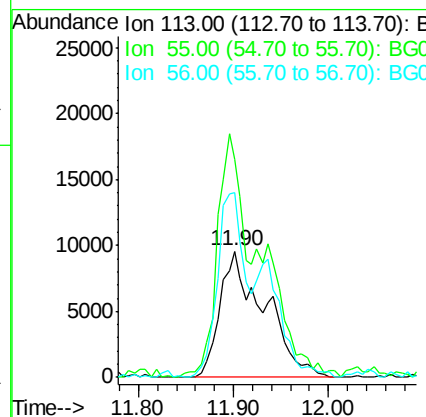
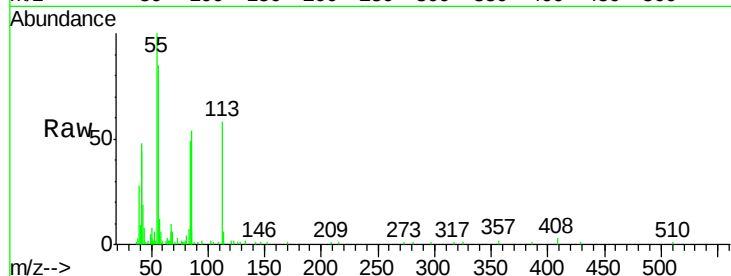
ClientSampleId :

GW-34-7.0-15.0MS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 113   | Resp: | 31360 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 173.4 | 154.5 | 194.5 |
| 56        | 146.6 | 125.1 | 165.1 |

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#36

4-Chloro-3-methylphenol

Concen: 47.06 ng/mL

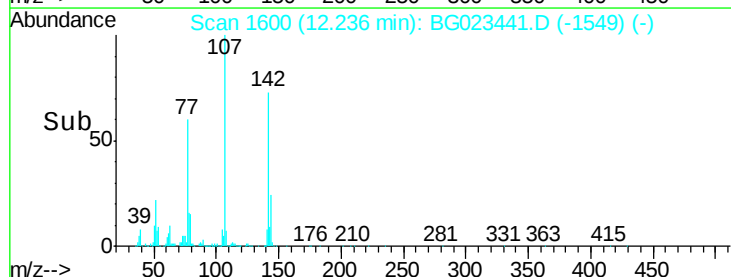
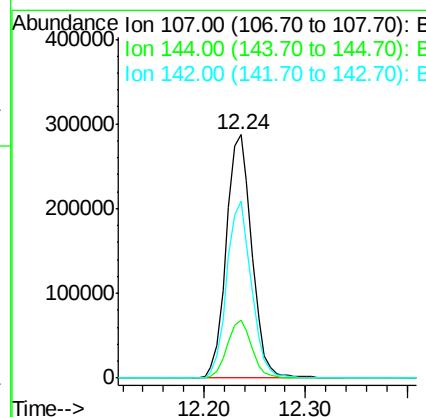
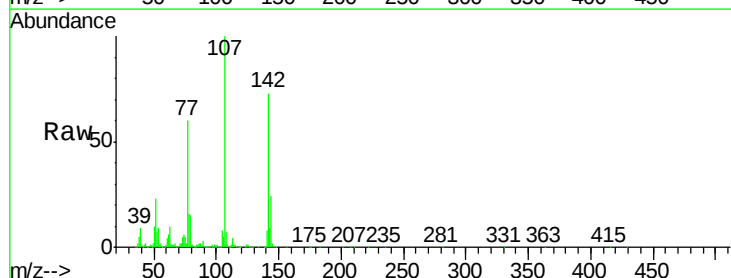
RT: 12.24 min Scan# 1600

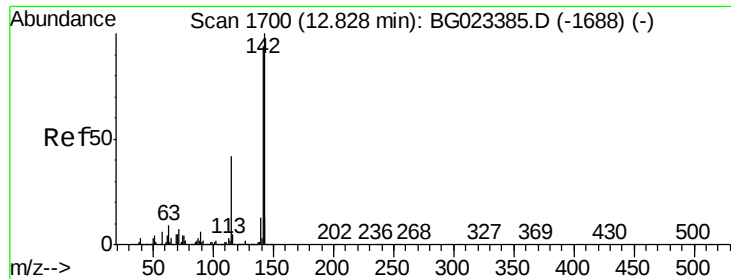
Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 107   | Resp: | 502984 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 144       | 24.0  | 17.0  | 25.6   |
| 142       | 72.6  | 53.0  | 79.6   |





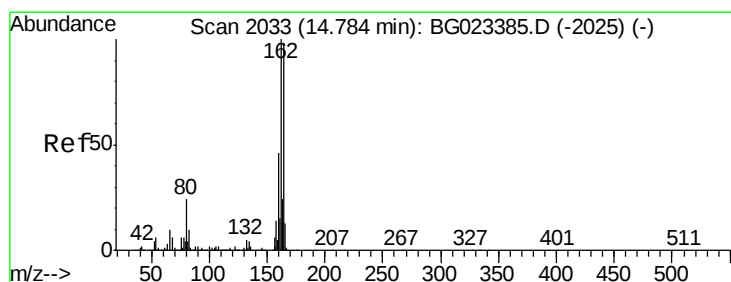
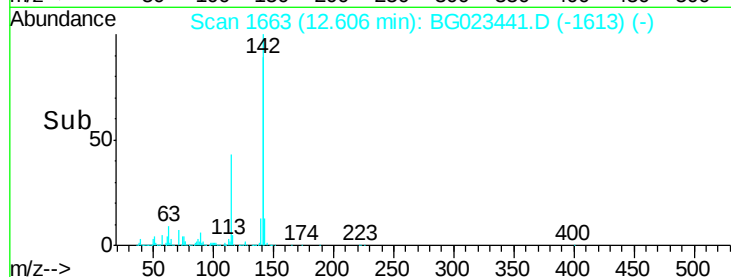
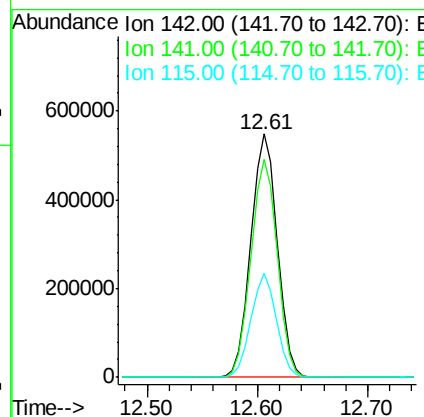
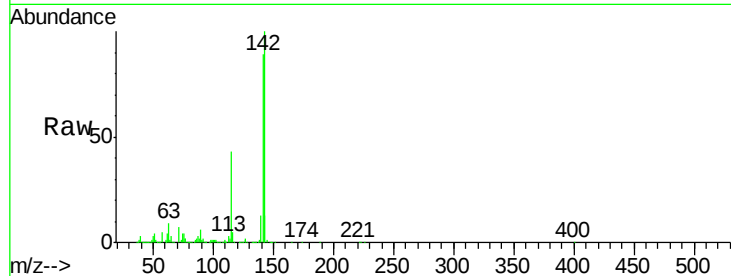
#37  
2-Methylnaphthalene  
Concen: 47.28 ng  
RT: 12.61 min Scan# 1663  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.3  | 70.2  | 105.2 |
| 115     | 42.9  | 41.7  | 62.5  |

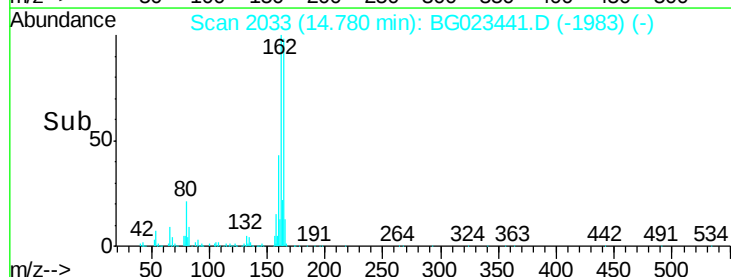
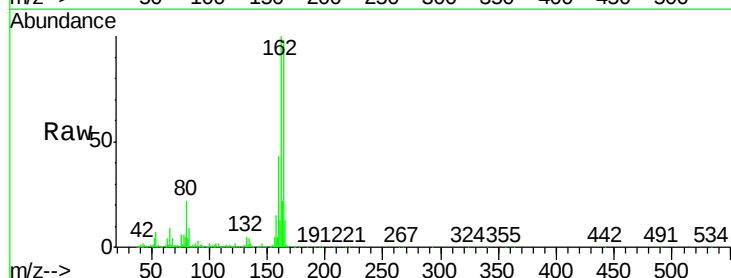
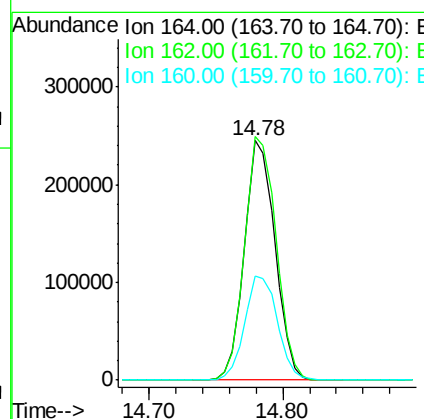
Manual Integrations  
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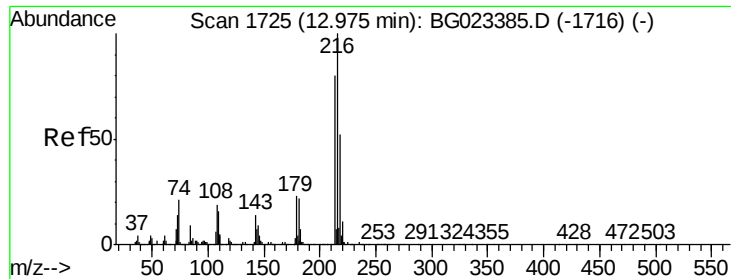
sohil  
8/4/2016 6:09:01 PM



#38  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.78 min Scan# 2033  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 101.6 | 87.7  | 131.5 |
| 160     | 43.5  | 37.2  | 55.8  |





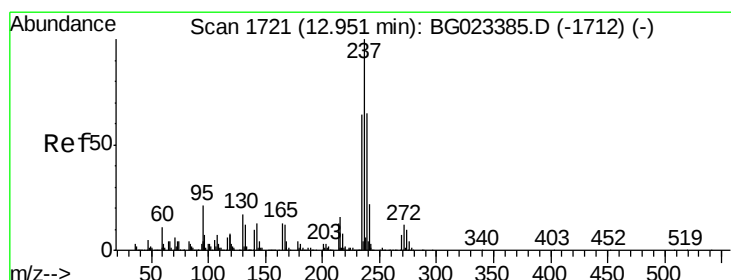
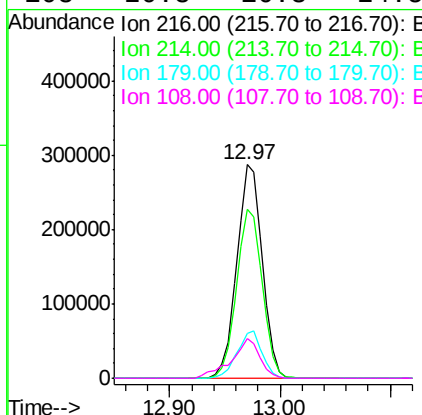
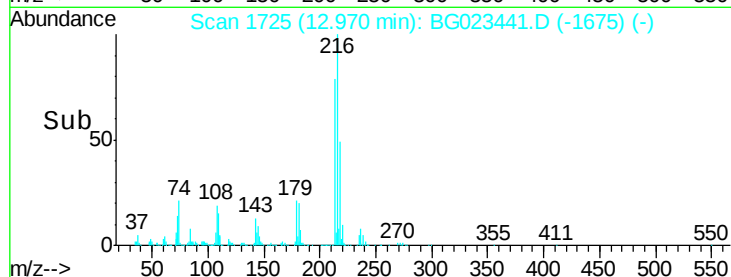
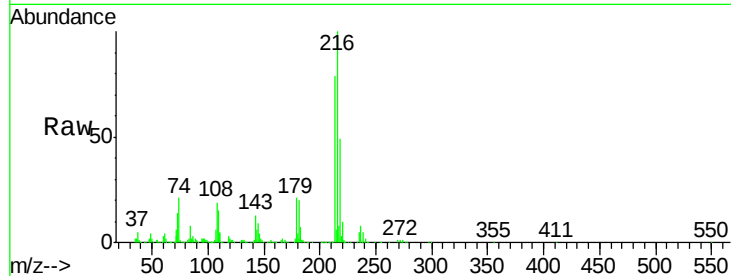
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 33.01 ng  
 RT: 12.97 min Scan# 1725  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 216     | 100  |       |      |       |       |
| 214     | 79.9 | 62.9  | 94.3 |       |       |
| 179     | 21.5 | 17.2  | 25.8 |       |       |
| 108     | 20.8 | 16.3  | 24.5 |       |       |

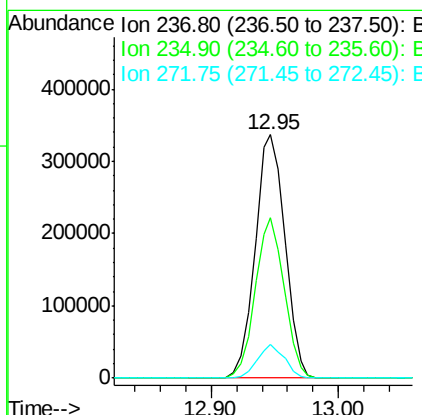
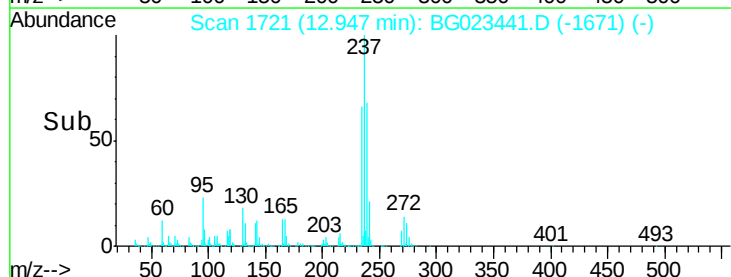
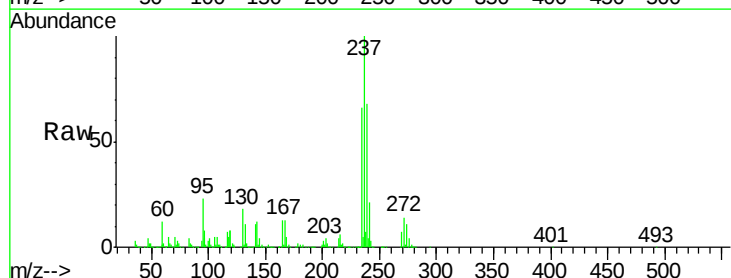
Manual Integrations  
 APPROVED

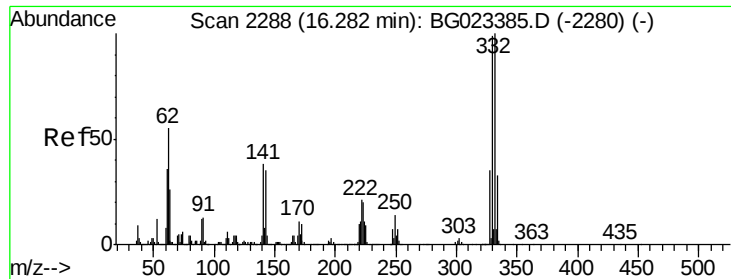
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#40  
 Hexachlorocyclopentadiene  
 Concen: 77.69 ng  
 RT: 12.95 min Scan# 1721  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 237     | 100  |       |      |       |       |
| 235     | 65.8 | 43.1  | 83.1 |       |       |
| 272     | 13.8 | 0.0   | 30.9 |       |       |





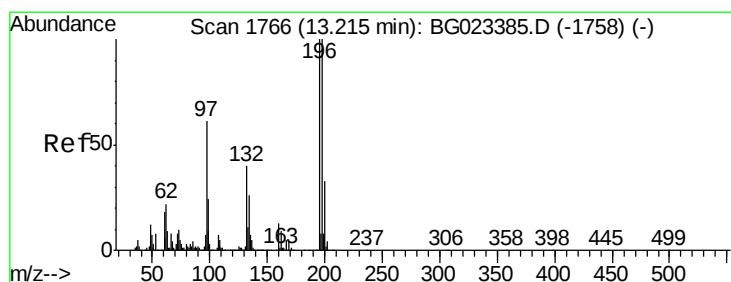
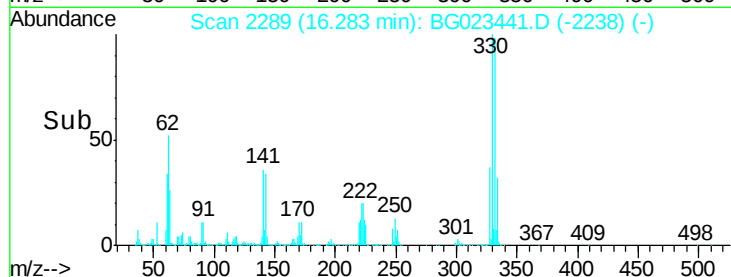
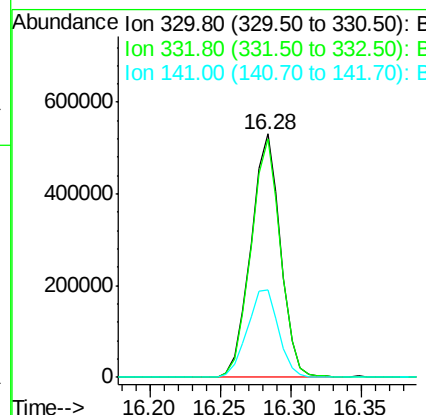
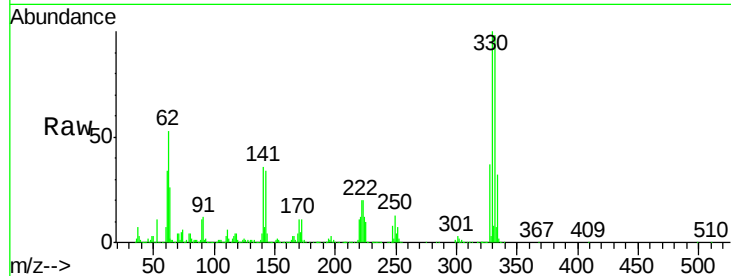
#41  
 2,4,6-Tribromophenol  
 Concen: 137.91 ng  
 RT: 16.28 min Scan# 2289  
 Delta R.T. 0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 782649 |       |       |
| 332     | 97.7  |        | 77.4  | 116.2 |
| 141     | 38.2  |        | 31.7  | 47.5  |

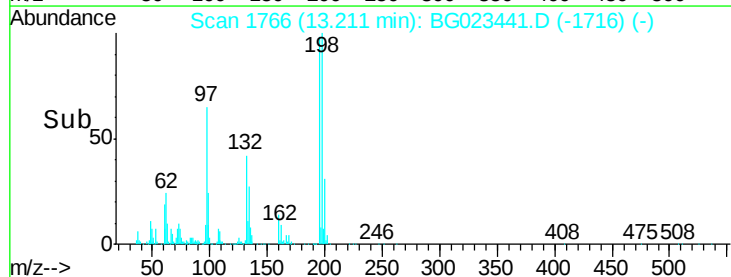
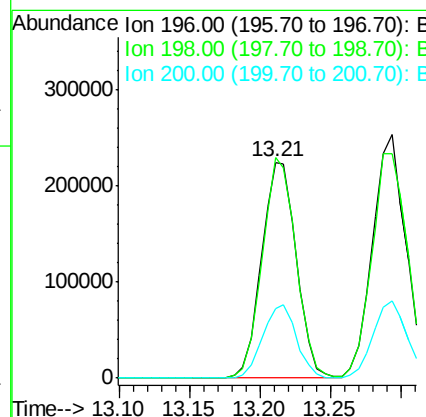
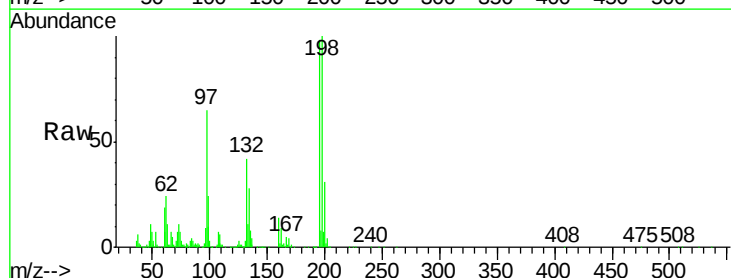
Manual Integrations  
 APPROVED

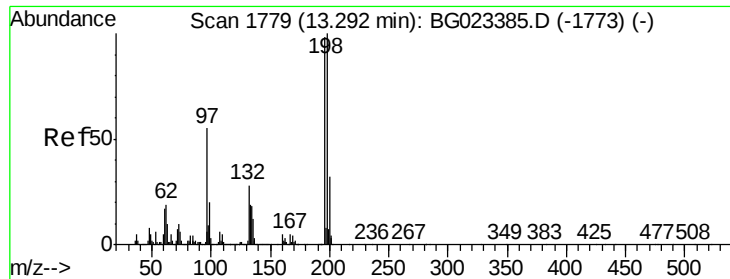
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 8/4/2016 6:09:01 PM



#42  
 2,4,6-Trichlorophenol  
 Concen: 46.33 ng  
 RT: 13.21 min Scan# 1766  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 388287 |       |       |
| 198     | 102.2 |        | 78.2  | 117.2 |
| 200     | 32.2  |        | 27.0  | 40.4  |





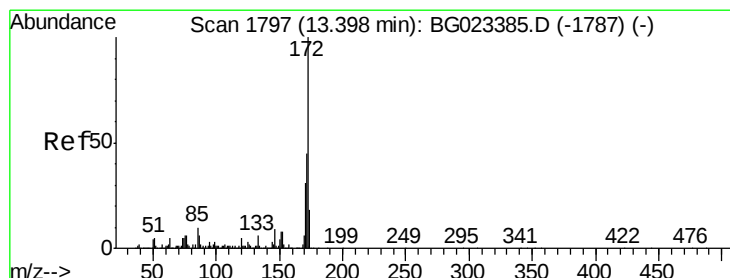
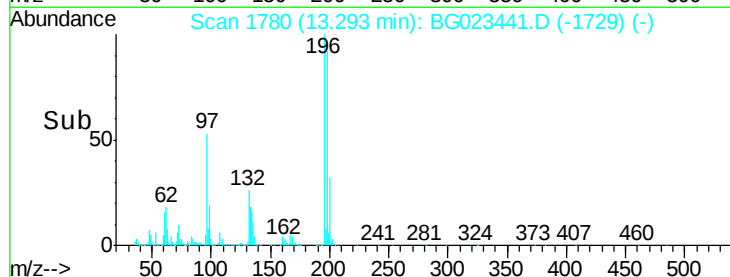
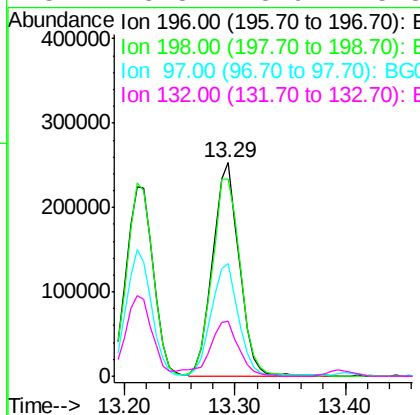
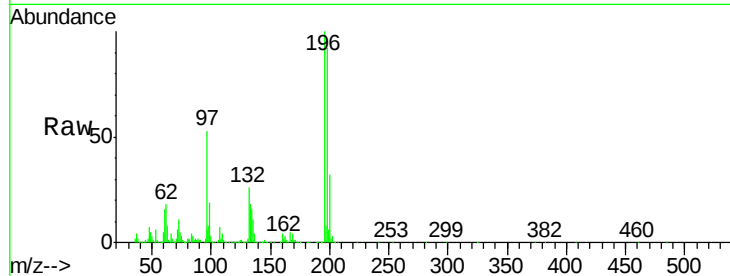
#43  
2,4,5-Trichlorophenol  
Concen: 48.52 ng  
RT: 13.29 min Scan# 1780  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 196   | Resp: | 418633 |
| Ion Ratio | Lower | Upper |        |
| 196       | 100   |       |        |
| 198       | 92.2  | 85.7  | 128.5  |
| 97        | 52.6  | 45.5  | 68.3   |
| 132       | 25.8  | 18.9  | 28.3   |

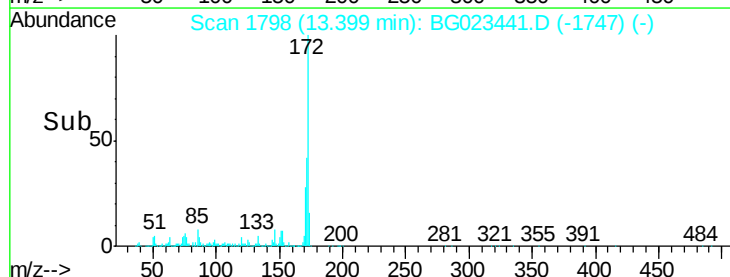
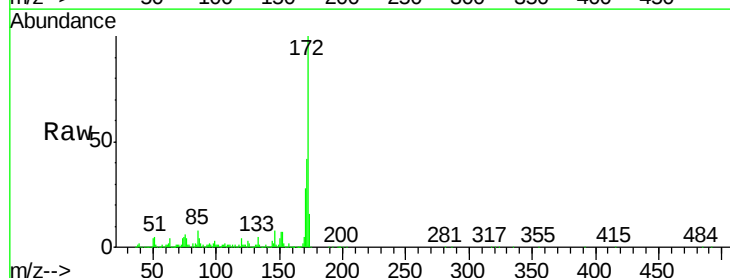
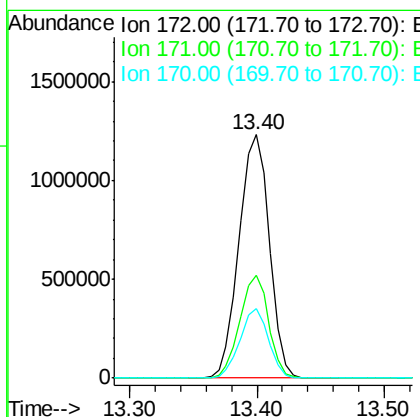
Manual Integrations  
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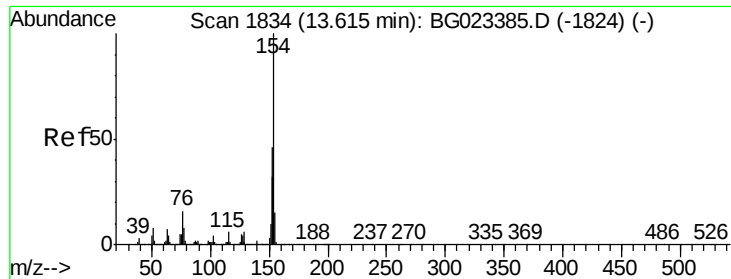
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#44  
2-Fluorobiphenyl  
Concen: 88.77 ng  
RT: 13.40 min Scan# 1798  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 172   | Resp: | 2042023 |
| Ion Ratio | Lower | Upper |         |
| 172       | 100   |       |         |
| 171       | 42.0  | 31.6  | 47.4    |
| 170       | 28.5  | 21.3  | 31.9    |





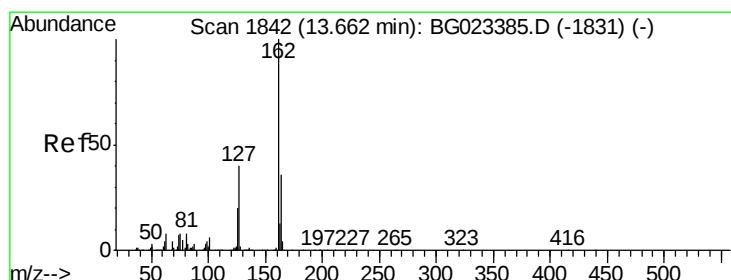
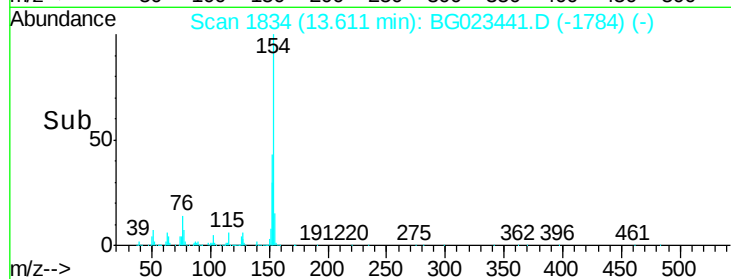
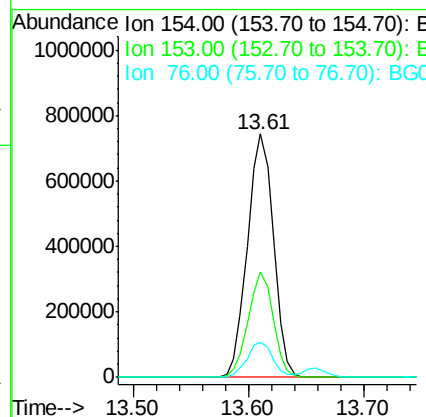
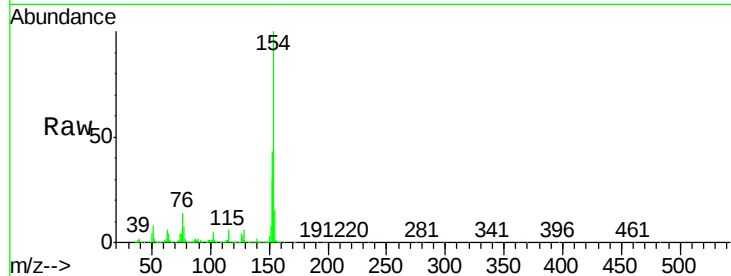
#45  
1,1'-Biphenyl  
Concen: 39.32 ng  
RT: 13.61 min Scan# 1834  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 43.1  | 20.2  | 60.2  |
| 76      | 14.5  | 0.0   | 32.9  |

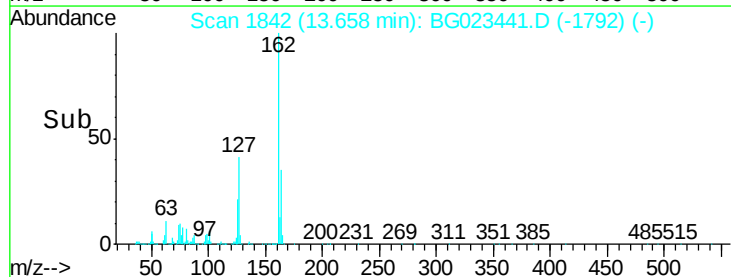
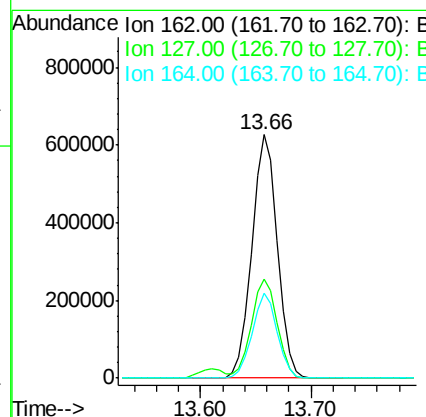
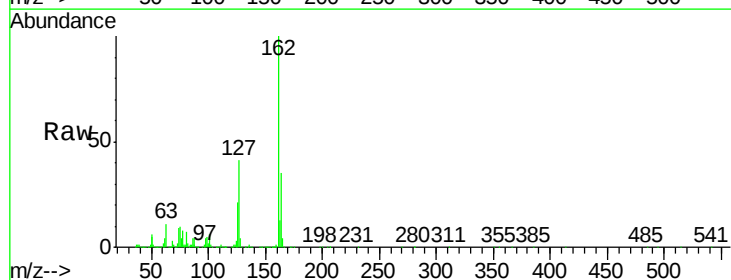
Manual Integrations  
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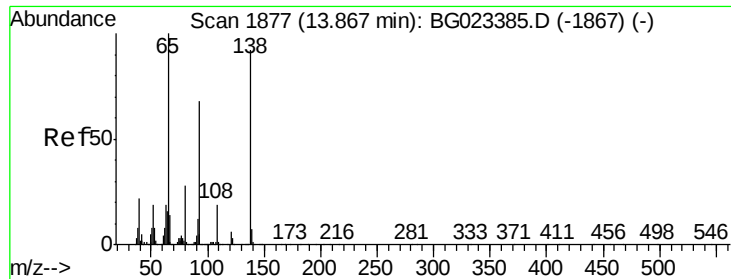
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#46  
2-Chloronaphthalene  
Concen: 44.09 ng  
RT: 13.66 min Scan# 1842  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 40.9  | 32.4  | 48.6  |
| 164     | 35.0  | 25.2  | 37.8  |





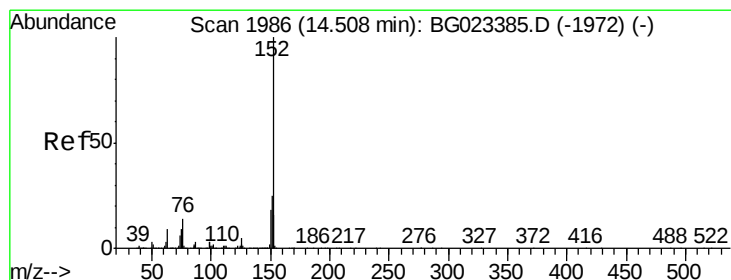
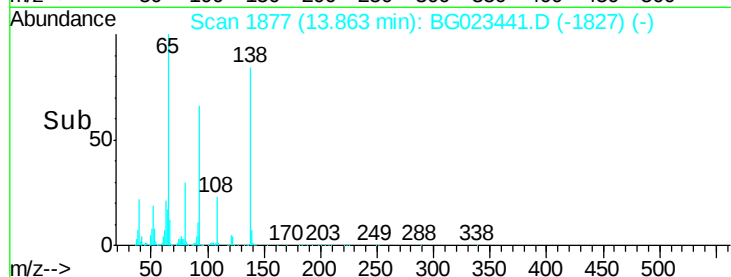
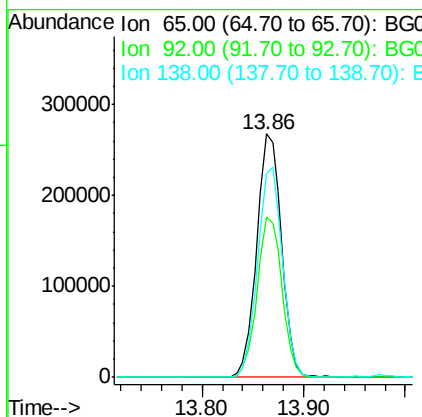
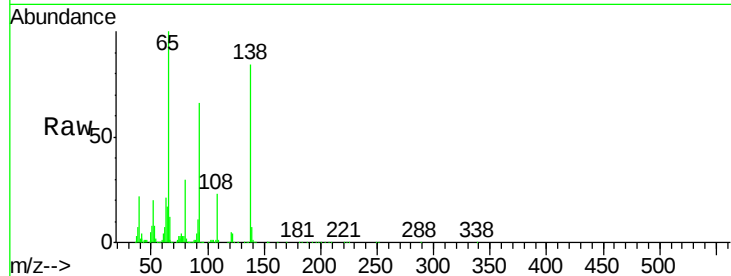
#47  
2-Nitroaniline  
Concen: 47.81 ng  
RT: 13.86 min Scan# 1877  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.7  | 49.4  | 74.0  |
| 138     | 83.6  | 58.0  | 87.0  |

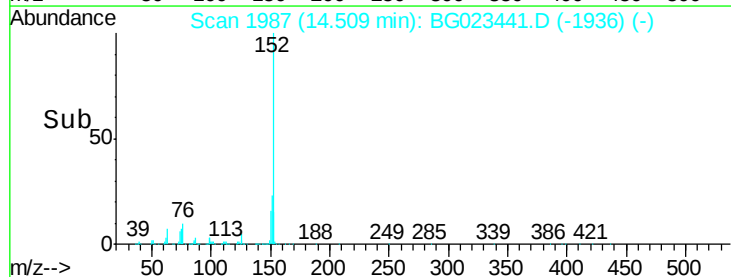
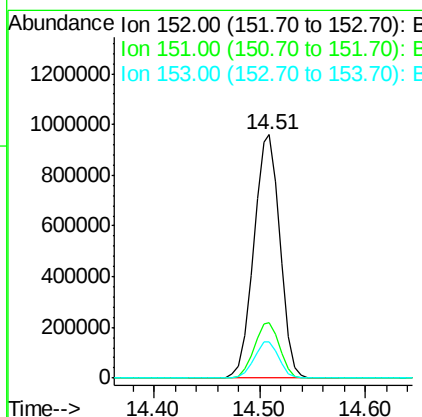
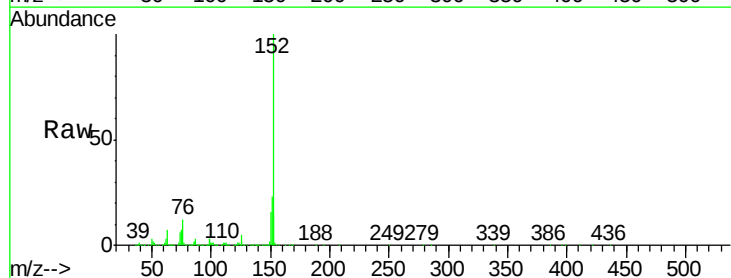
Manual Integrations  
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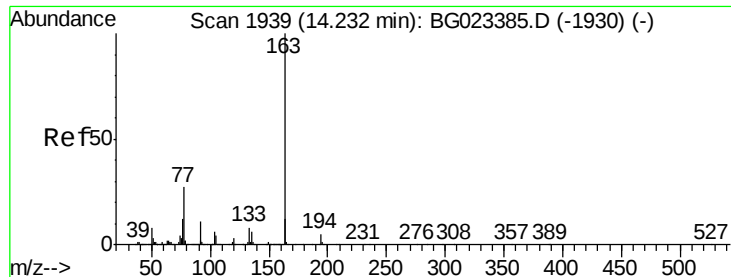
sohil  
8/4/2016 6:09:01 PM



#48  
Acenaphthylene  
Concen: 45.61 ng  
RT: 14.51 min Scan# 1987  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 22.9  | 17.6  | 26.4  |
| 153     | 15.0  | 11.4  | 17.2  |





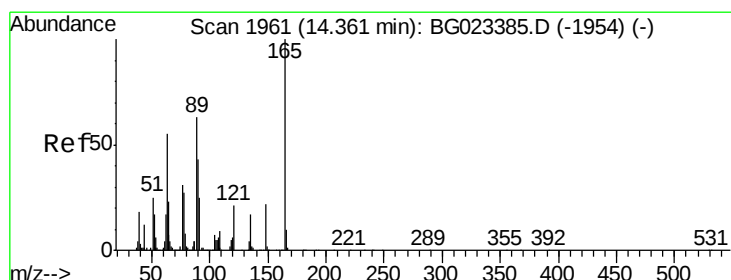
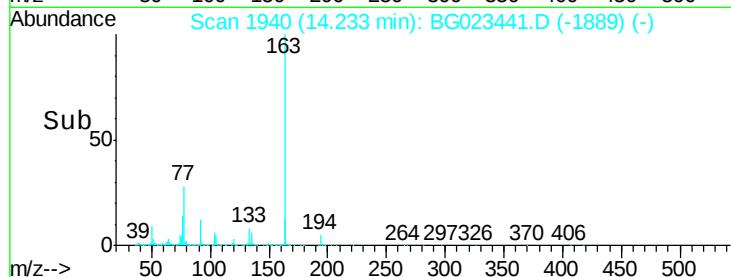
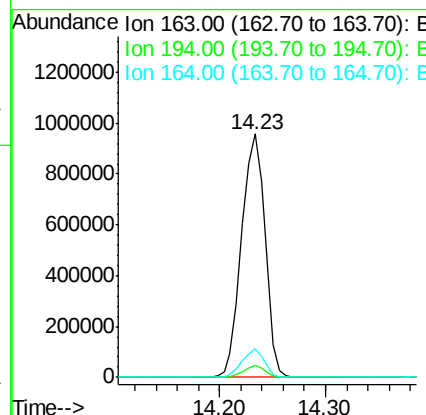
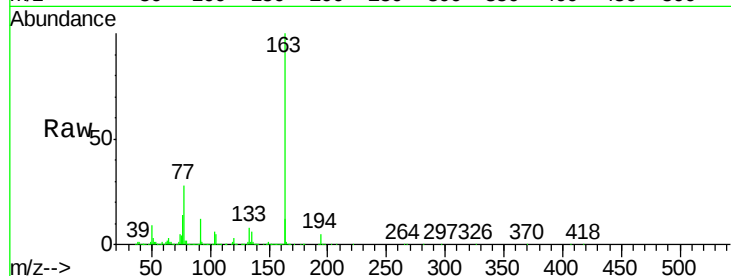
#49  
Dimethylphthalate  
Concen: 49.32 ng  
RT: 14.23 min Scan# 1940  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.8   | 3.6   | 5.4   |
| 164     | 11.6  | 8.1   | 12.1  |

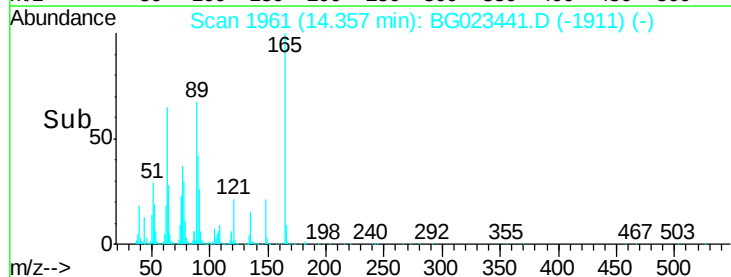
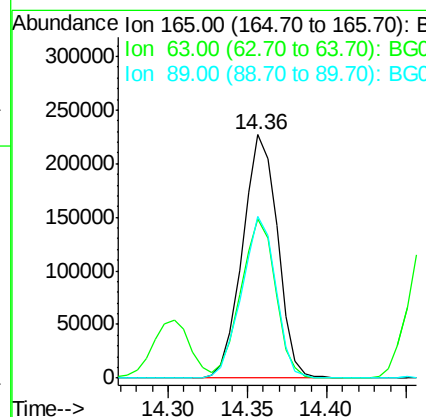
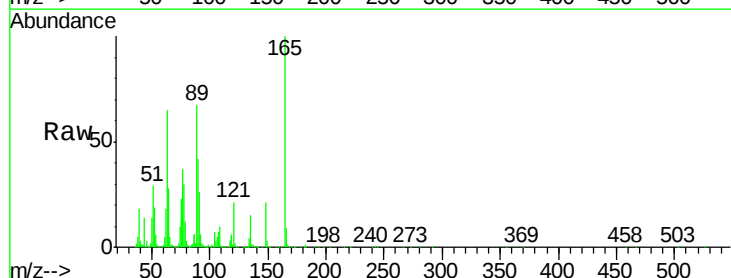
Manual Integrations  
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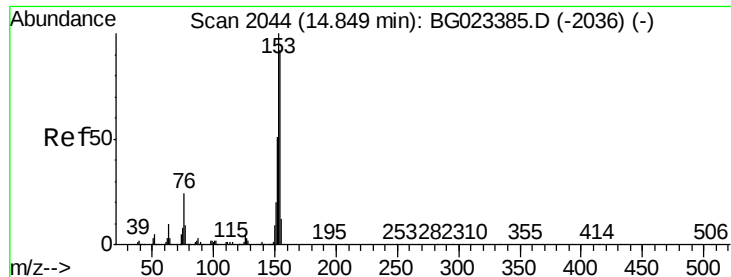
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8/4/2016 6:09:01 PM



#50  
2,6-Dinitrotoluene  
Concen: 49.28 ng  
RT: 14.36 min Scan# 1961  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 65.1  | 64.3  | 96.5  |
| 89      | 66.6  | 64.3  | 96.5  |





#51

Acenaphthene

Concen: 46.31 ng

RT: 14.85 min Scan# 2045

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

ClientSampleId :

GW-34-7.0-15.0MS

Tot Ion:154 Resp: 1064205

Ion Ratio Lower Upper

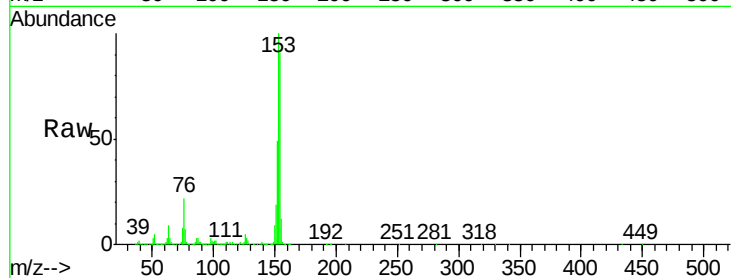
154 100

153 109.4 87.5 131.3

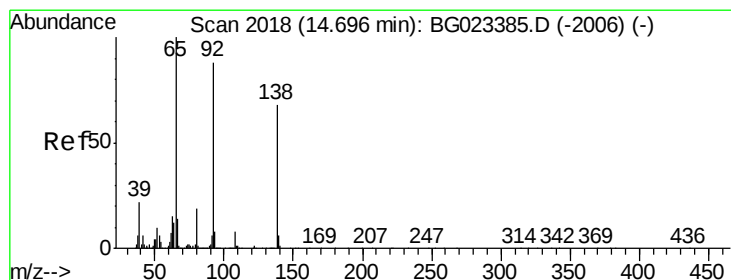
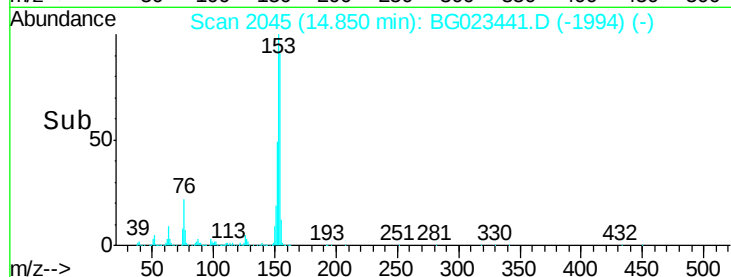
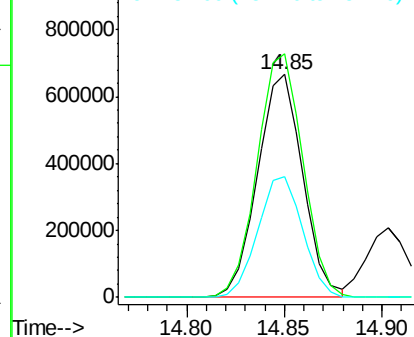
152 54.0 42.7 64.1

Manual Integrations  
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Abundance Ion 154.00 (153.70 to 154.70): E  
Ion 153.00 (152.70 to 153.70): E  
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 30.80 ng

RT: 14.70 min Scan# 2019

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

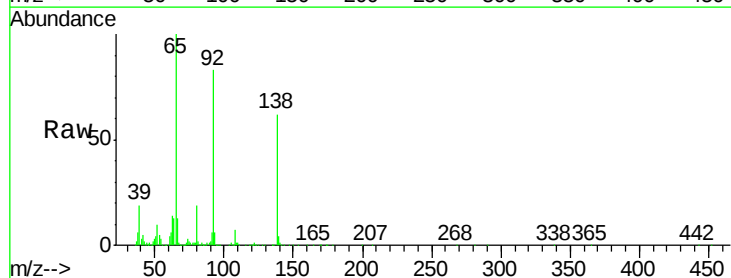
Tgt Ion:138 Resp: 244876

Ion Ratio Lower Upper

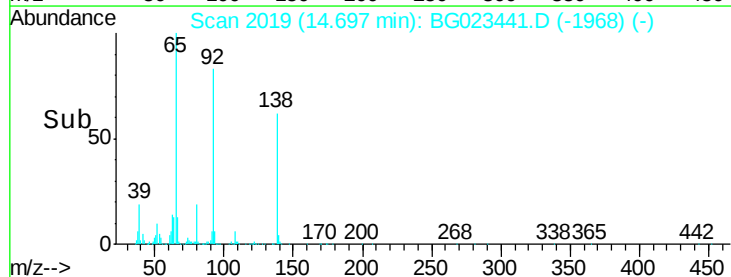
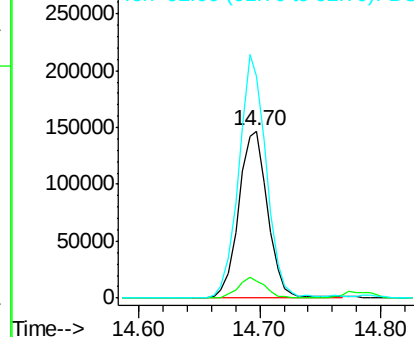
138 100

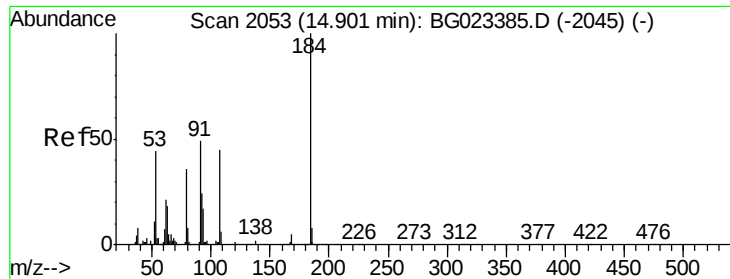
108 10.5 11.7 17.5#

92 133.3 129.7 194.5



Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BGO





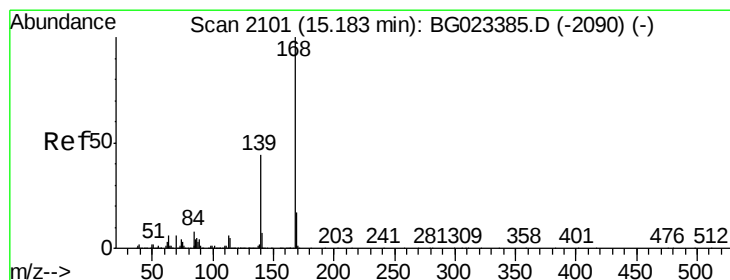
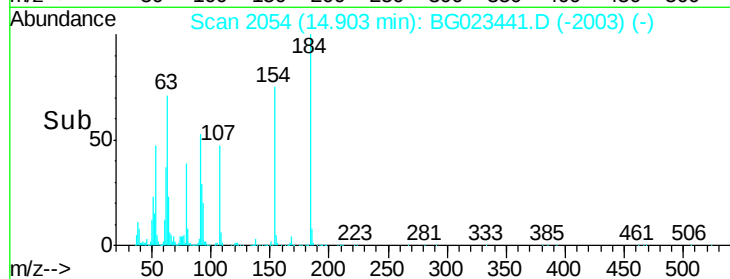
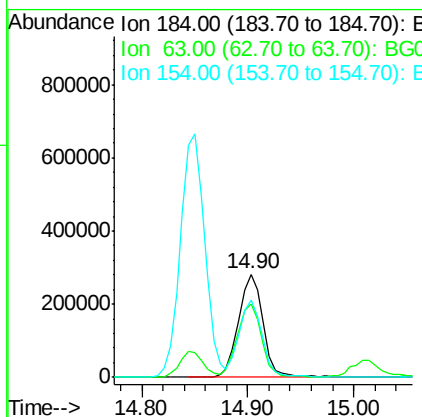
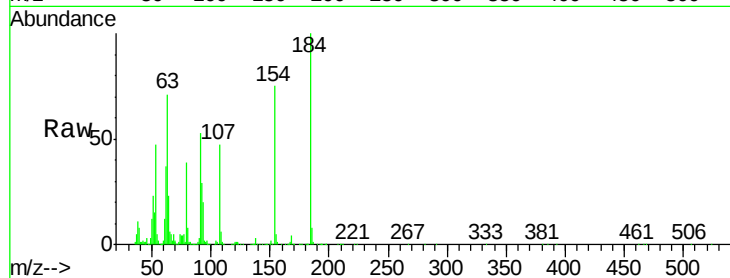
#53  
2,4-Dinitrophenol  
Concen: 99.57 ng  
RT: 14.90 min Scan# 2054  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 71.4  | 59.6  | 89.4  |
| 154     | 74.5  | 67.4  | 101.0 |

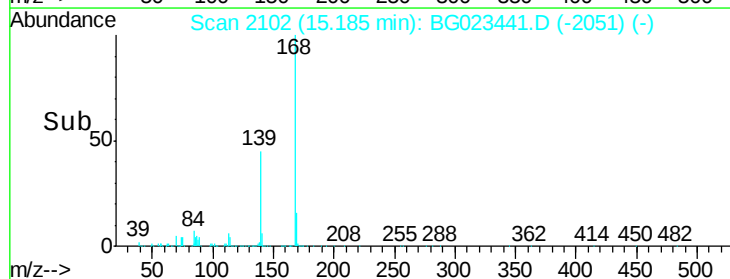
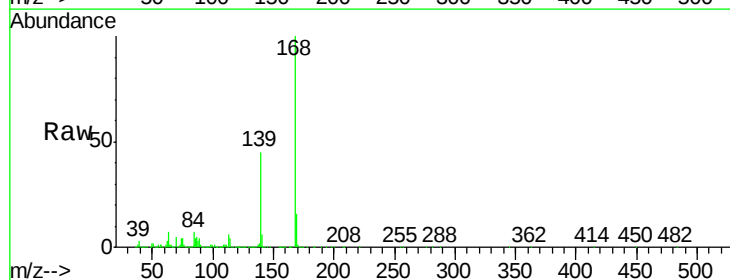
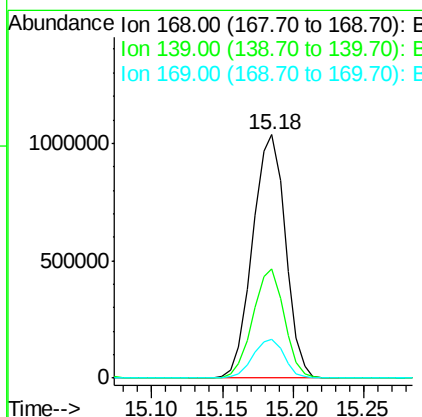
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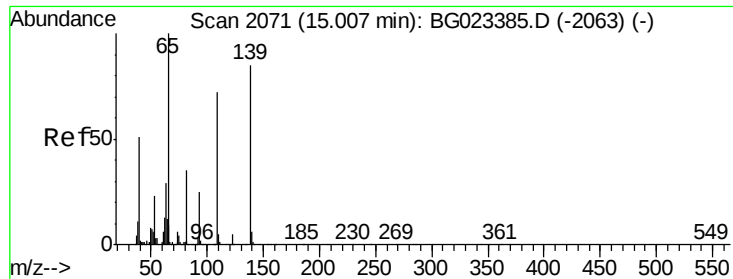
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#54  
Dibenzofuran  
Concen: 50.61 ng  
RT: 15.18 min Scan# 2102  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 44.7  | 36.4  | 54.6  |
| 169     | 16.0  | 11.9  | 17.9  |





#55

4-Nitrophenol

Concen: 39.21 ng

RT: 15.01 min Scan# 2072

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

ClientSampleId :

GW-34-7.0-15.0MS

Tot Ion:139 Resp: 244822

Ion Ratio Lower Upper

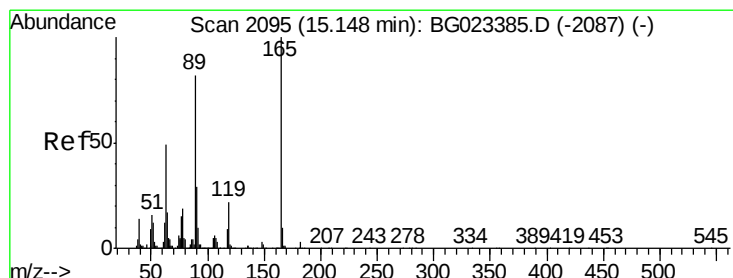
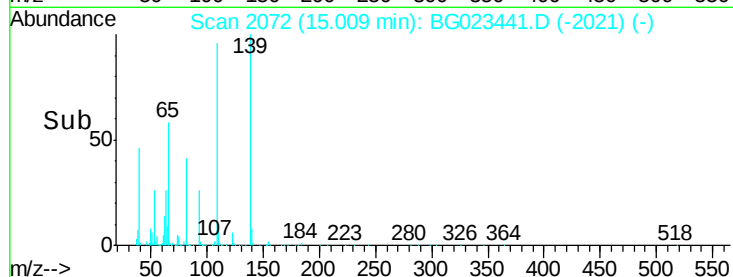
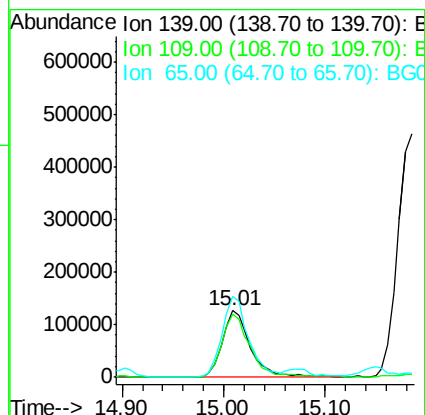
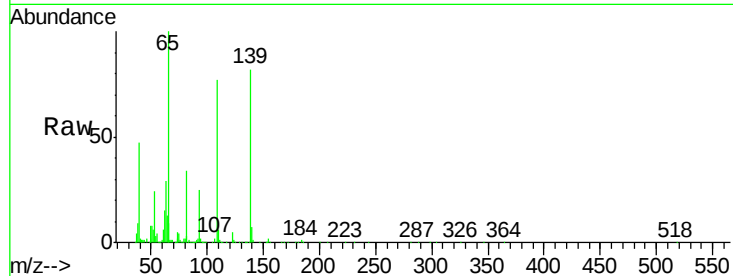
139 100

109 93.8 103.0 143.0#

65 121.3 112.7 152.7

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#56

2,4-Dinitrotoluene

Concen: 52.30 ng

RT: 15.15 min Scan# 2096

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Tgt Ion:165 Resp: 517474

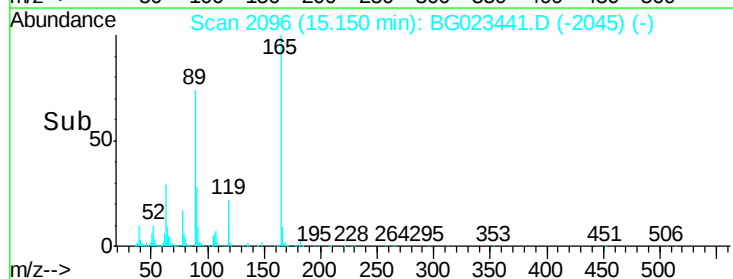
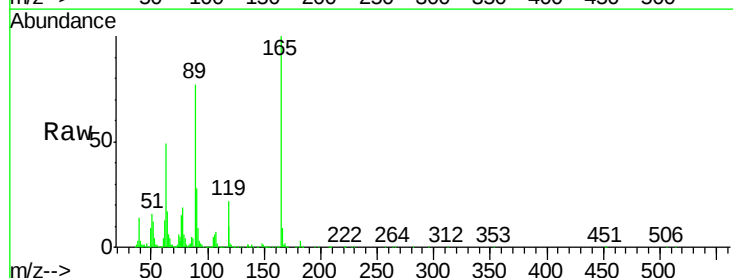
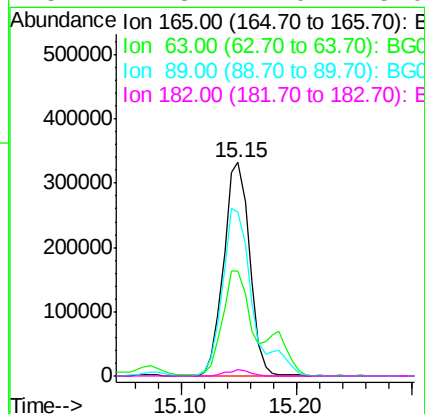
Ion Ratio Lower Upper

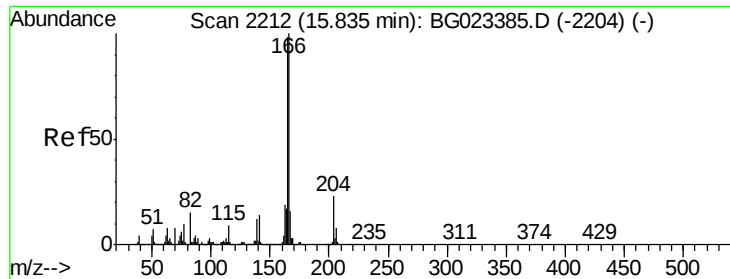
165 100

63 48.9 45.8 68.6

89 76.9 68.6 102.8

182 2.8 2.0 3.0





#57

Fluorene

Concen: 48.52 ng

RT: 15.84 min Scan# 2213

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

ClientSampleId :

GW-34-7.0-15.0MS

Tot Ion:166 Resp: 1412606

Ion Ratio Lower Upper

166 100

165 98.7 81.0 121.6

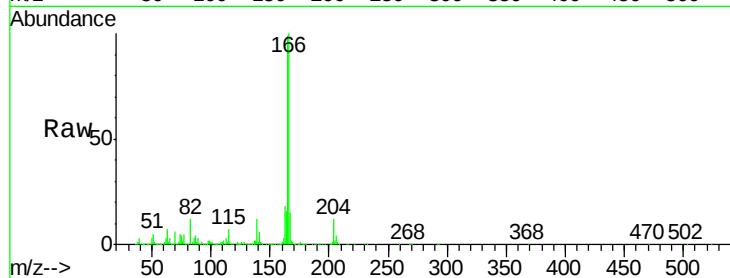
167 14.9 12.0 18.0

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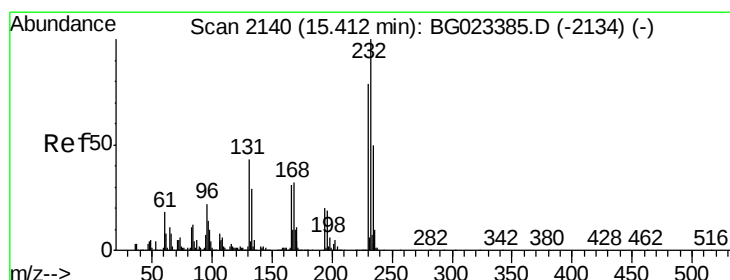
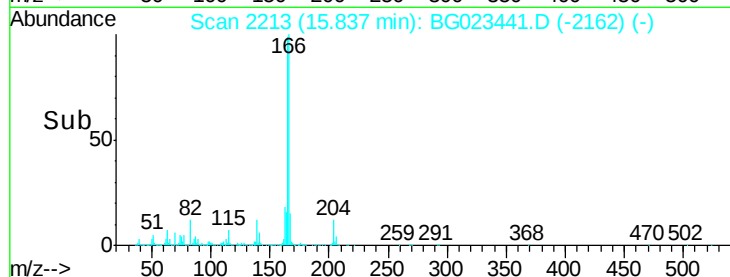
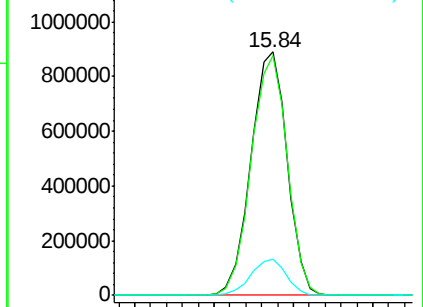
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Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 55.58 ng m

RT: 15.41 min Scan# 2140

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Tgt Ion:232 Resp: 440087

Ion Ratio Lower Upper

232 100

131 38.5 32.7 49.1

130 2.7 2.6 3.8

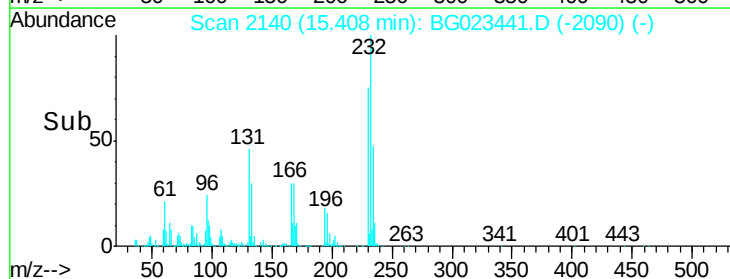
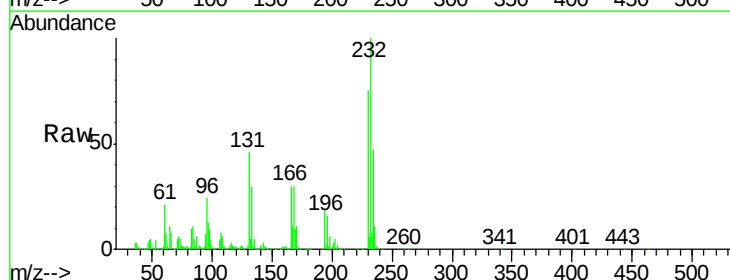
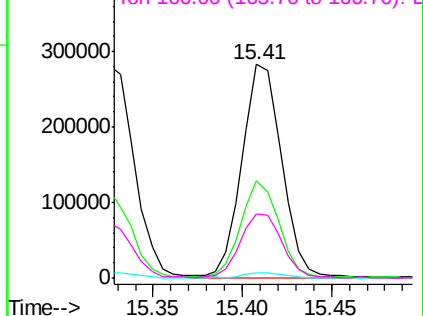
166 25.3 23.0 34.6

Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





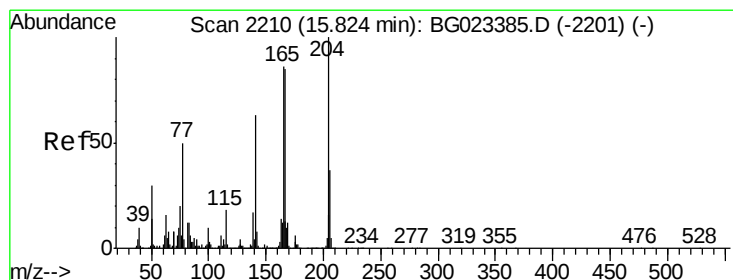
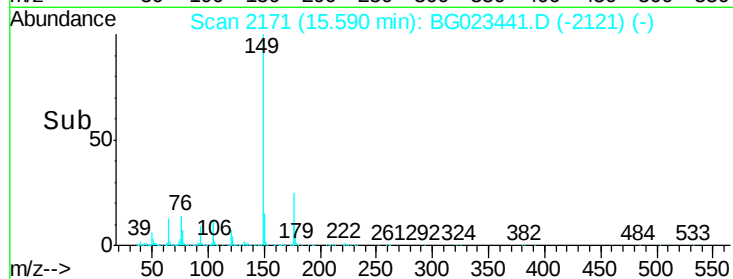
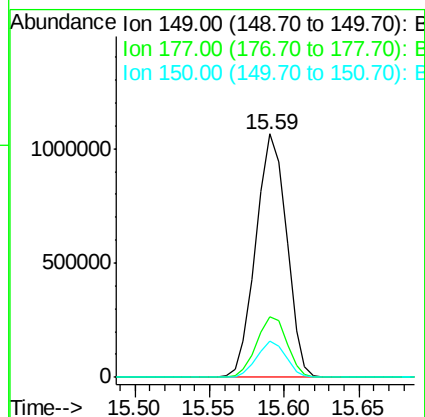
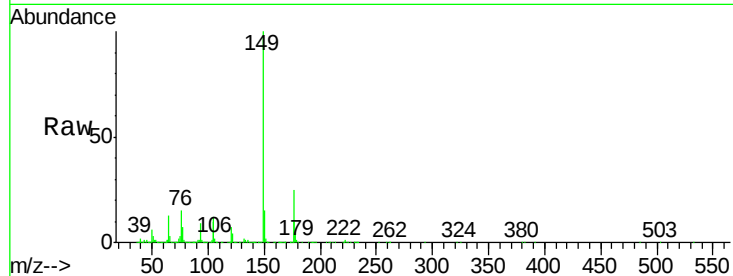
#59  
Diethylphthalate  
Concen: 50.07 ng  
RT: 15.59 min Scan# 2171  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 24.8  | 19.2  | 28.8  |
| 150     | 15.1  | 10.6  | 16.0  |

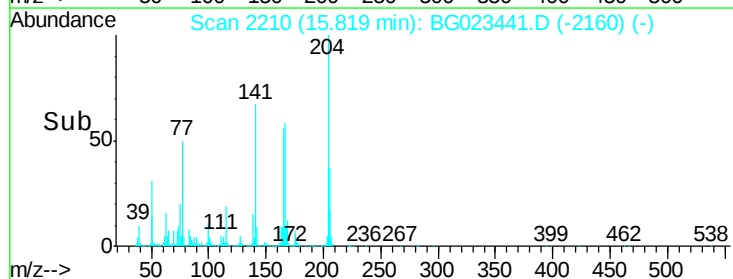
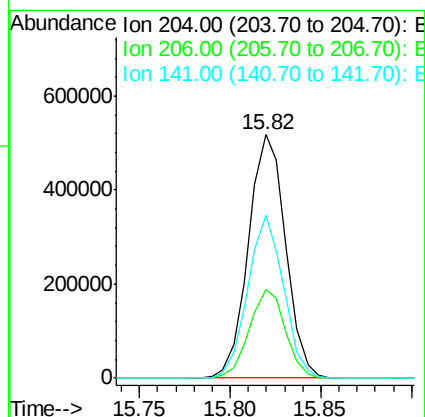
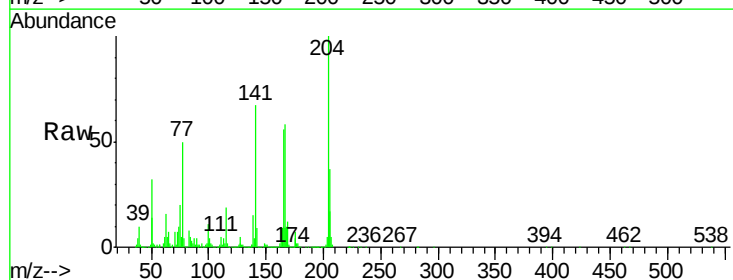
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#60  
4-Chlorophenyl-phenylether  
Concen: 47.88 ng  
RT: 15.82 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 36.6  | 28.5  | 42.7  |
| 141     | 66.7  | 51.4  | 77.0  |





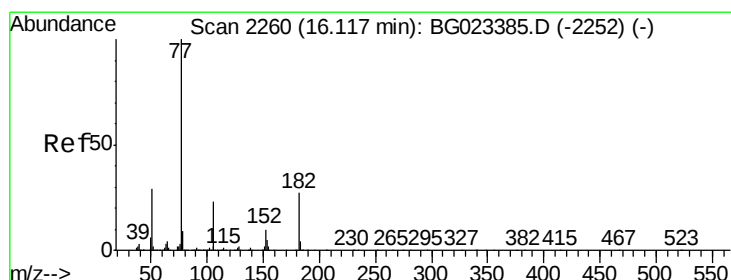
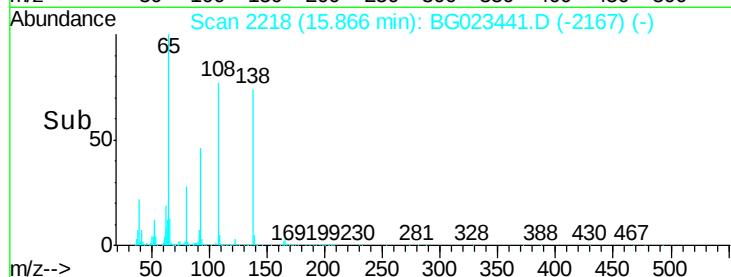
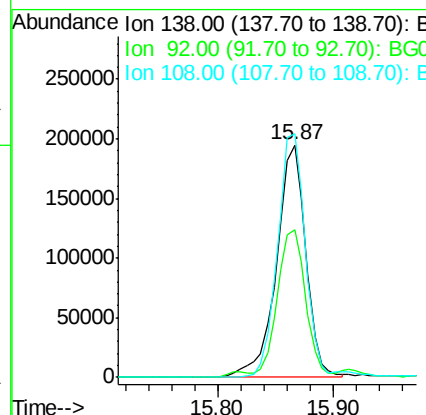
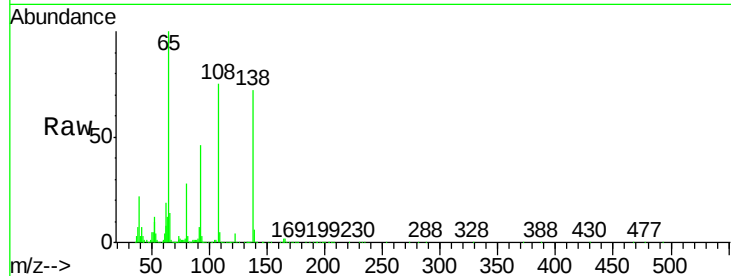
#61  
4-Nitroaniline  
Concen: 40.63 ng  
RT: 15.87 min Scan# 2218  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 92      | 63.4  | 54.1  | 94.1   |
| 108     | 104.8 | 133.9 | 173.9# |

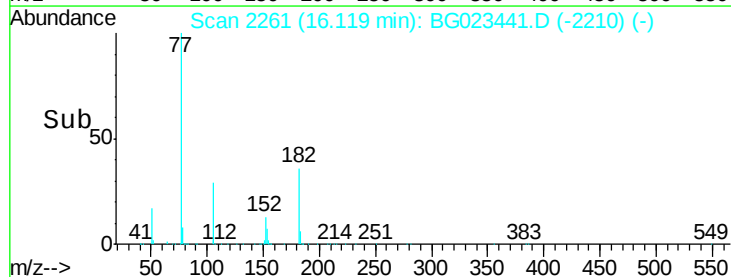
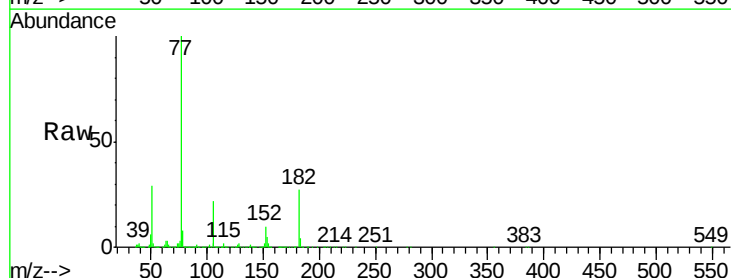
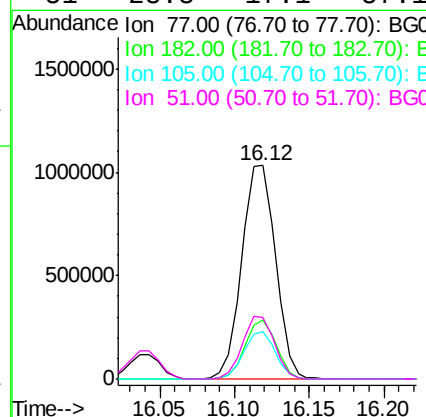
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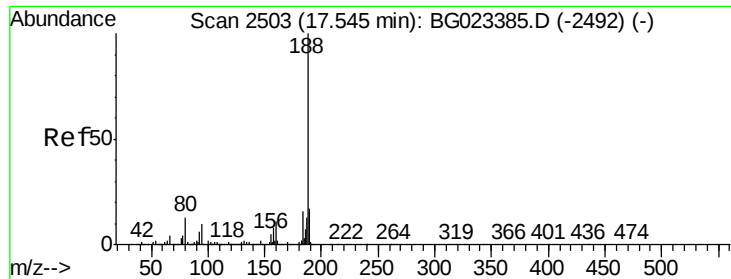
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#62  
Azobenzene  
Concen: 52.80 ng  
RT: 16.12 min Scan# 2261  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.3  | 3.5   | 43.5  |
| 105     | 22.1  | 0.0   | 38.5  |
| 51      | 28.8  | 17.1  | 57.1  |





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 17.55 min Scan# 2504

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

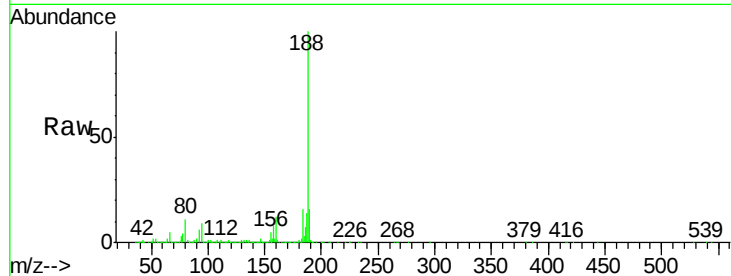
ClientSampleId :

GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 9.0   | 5.2   | 7.8   |
| 80      | 10.7  | 7.2   | 10.8  |

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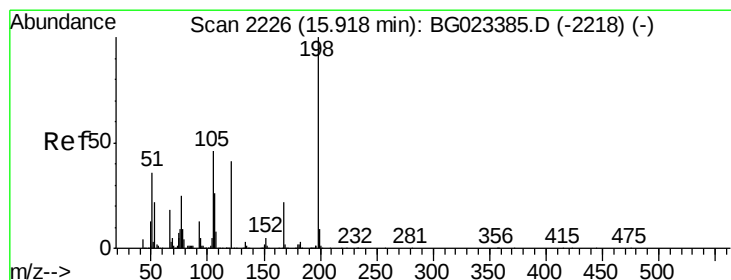
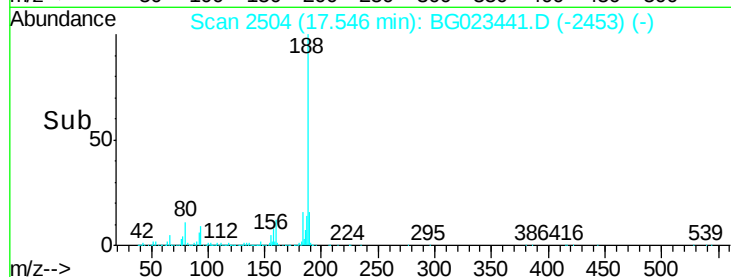
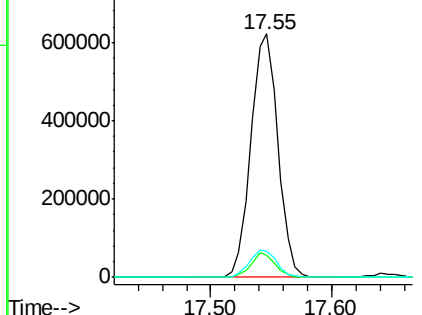
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#64

4,6-Dinitro-2-methylphenol

Concen: 49.22 ng

RT: 15.91 min Scan# 2226

Delta R.T. -0.00 min

Lab File: BG023441.D

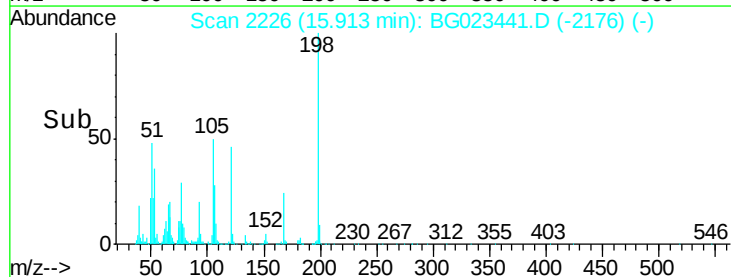
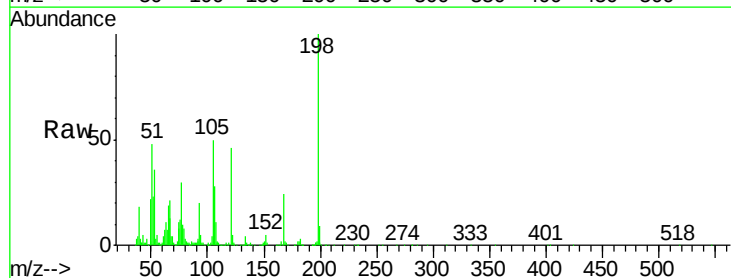
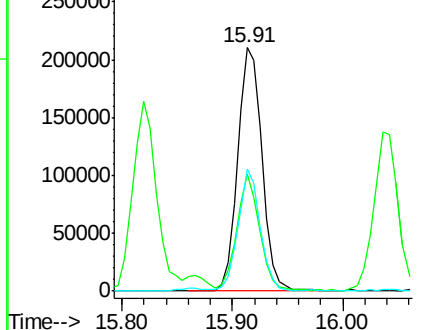
Acq: 4 Aug 2016 1:22

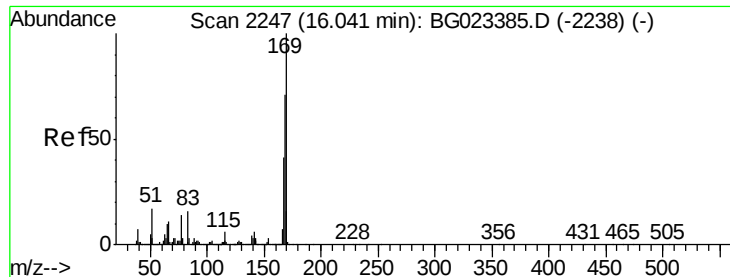
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 48.0  | 26.0  | 66.0  |
| 105     | 50.4  | 20.1  | 60.1  |

Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 46.28 ng

RT: 16.04 min Scan# 2248

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

ClientSampleId :

GW-34-7.0-15.0MS

Tot Ion:169 Resp: 1319101

Ion Ratio Lower Upper

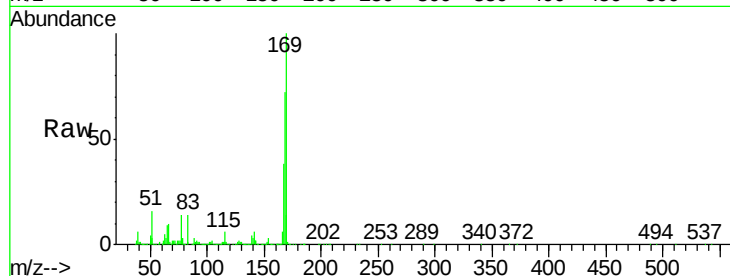
169 100

168 72.2 55.0 82.4

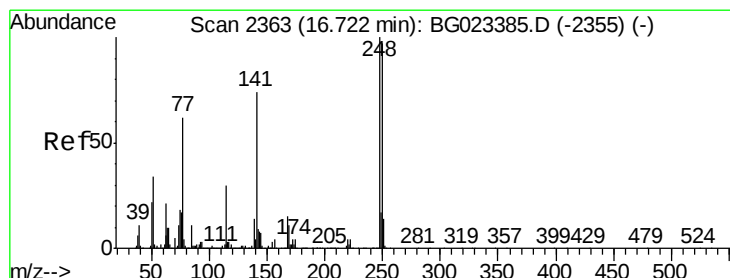
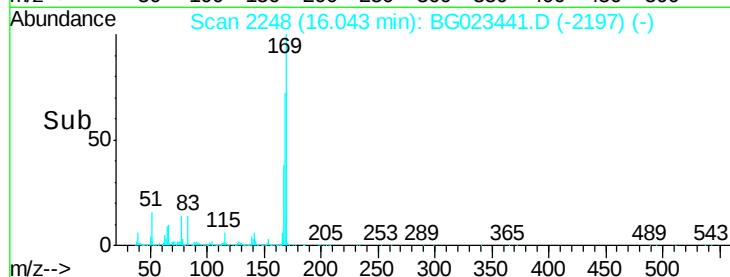
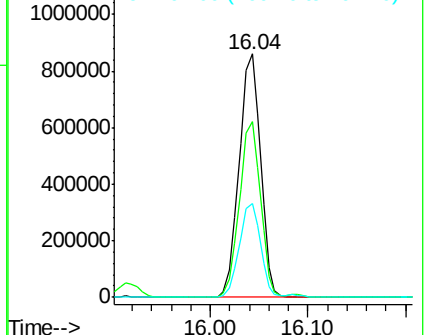
167 38.4 27.4 41.0

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Abundance Ion 169.00 (168.70 to 169.70): E  
Ion 168.00 (167.70 to 168.70): E  
Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 47.28 ng

RT: 16.72 min Scan# 2363

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

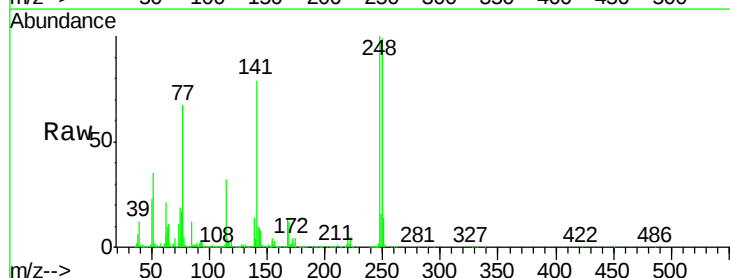
Tgt Ion:248 Resp: 535603

Ion Ratio Lower Upper

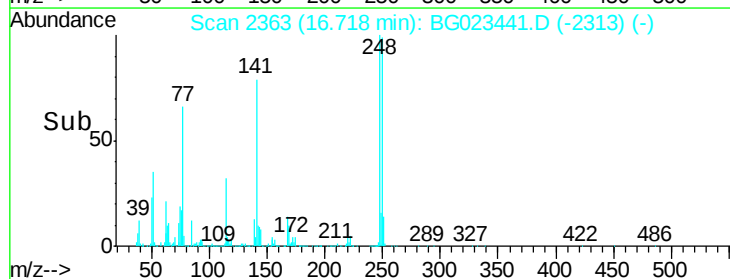
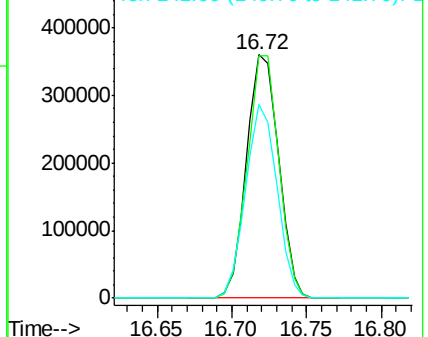
248 100

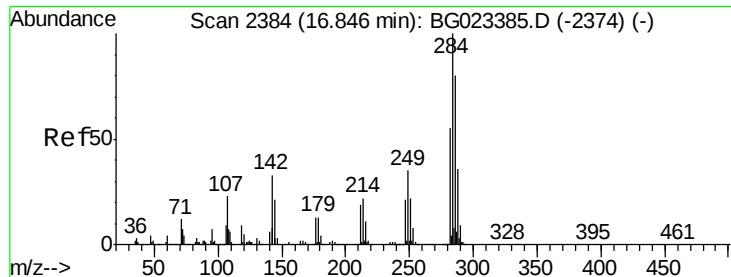
250 99.4 77.8 116.8

141 79.3 65.7 98.5



Abundance Ion 248.00 (247.70 to 248.70): E  
Ion 250.00 (249.70 to 250.70): E  
Ion 141.00 (140.70 to 141.70): E





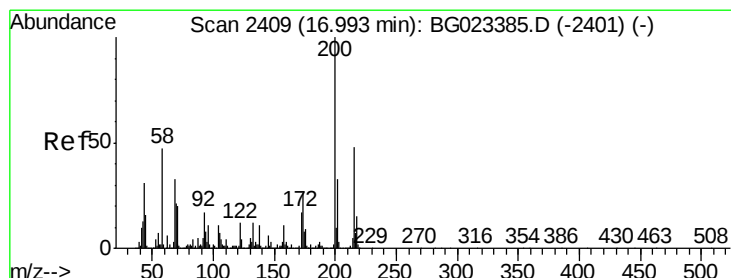
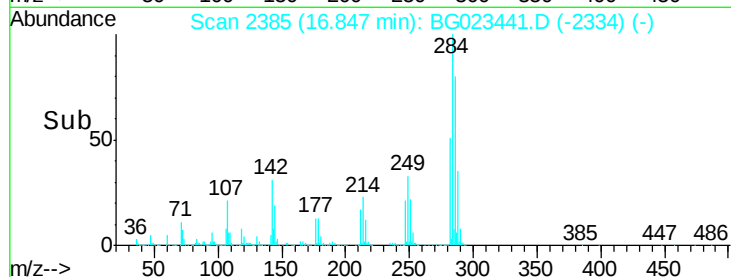
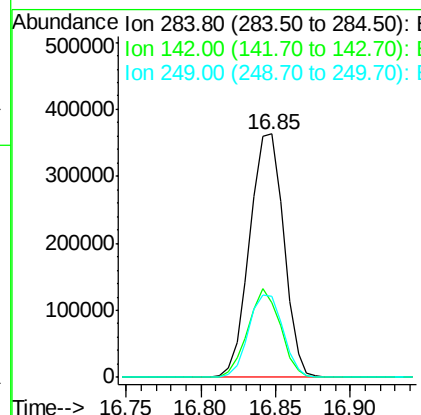
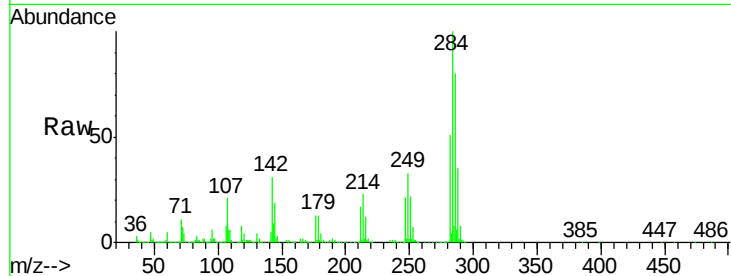
#67  
Hexachlorobenzene  
Concen: 46.22 ng  
RT: 16.85 min Scan# 2385  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 572735 |       |       |
| 142     | 30.8  |        | 26.8  | 40.2  |
| 249     | 33.3  |        | 28.9  | 43.3  |

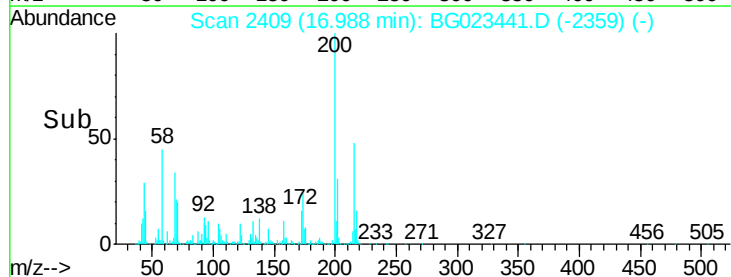
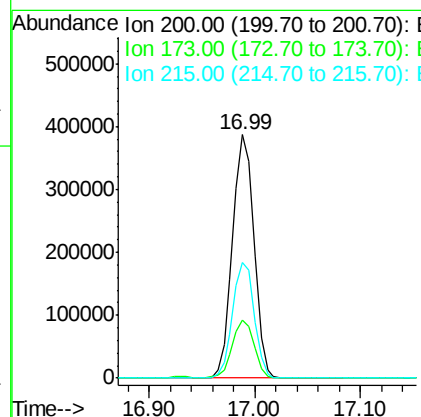
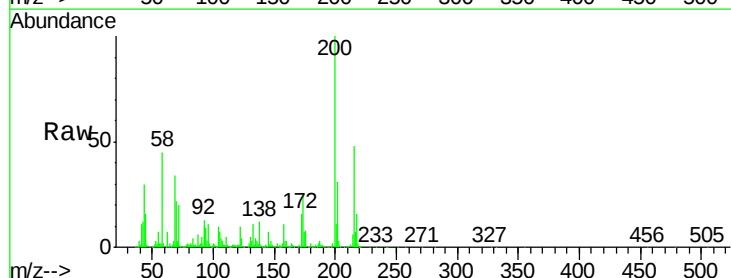
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#68  
Atrazine  
Concen: 49.49 ng  
RT: 16.99 min Scan# 2409  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 200     | 100   | 541725 |       |       |
| 173     | 24.0  |        | 1.6   | 41.6  |
| 215     | 47.6  |        | 28.7  | 68.7  |





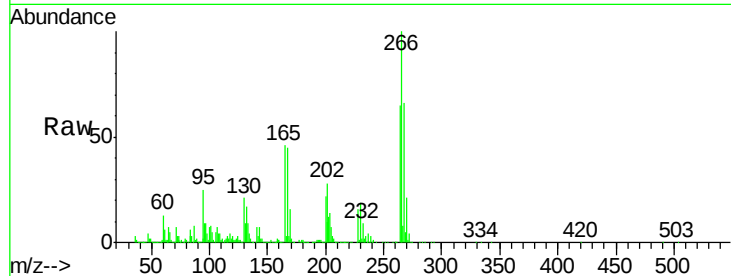
#69  
 Pentachlorophenol  
 Concen: 95.57 ng  
 RT: 17.19 min Scan# 2444  
 Delta R.T. 0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.8  | 51.9  | 77.9  |
| 264     | 65.2  | 50.6  | 75.8  |

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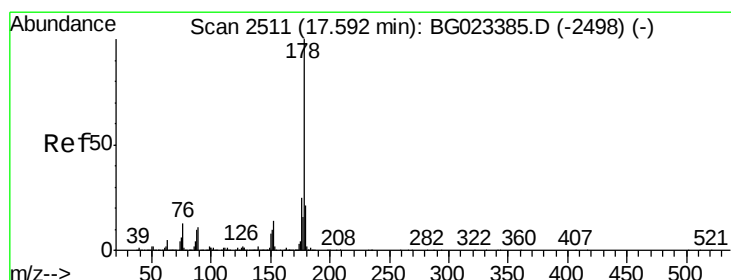
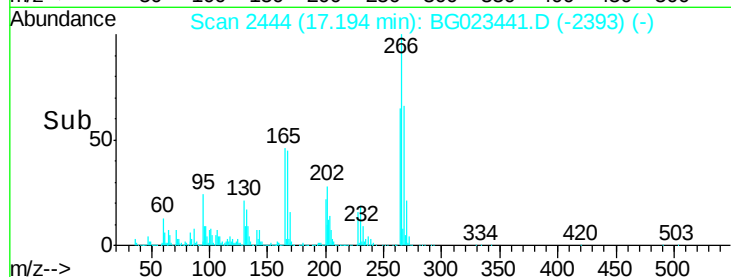
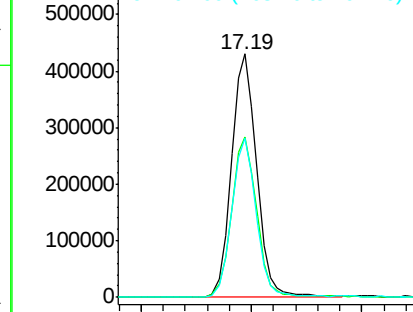


Abundance

Ion 265.70 (265.40 to 266.40): E

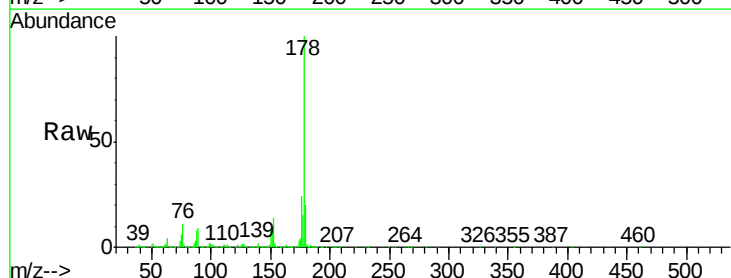
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#70  
 Phenanthrene  
 Concen: 46.44 ng  
 RT: 17.59 min Scan# 2511  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 24.1  | 16.8  | 25.2  |
| 179     | 19.8  | 14.3  | 21.5  |

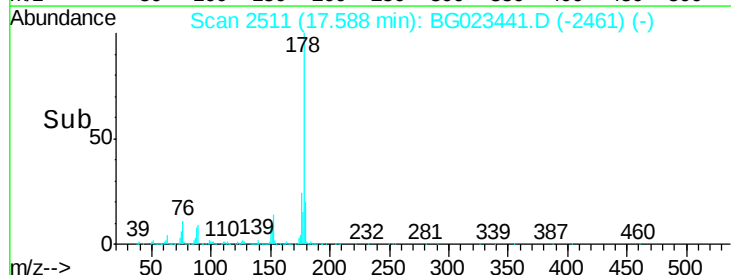
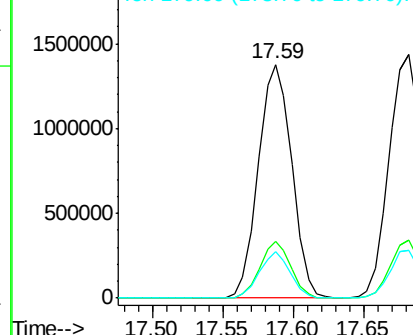


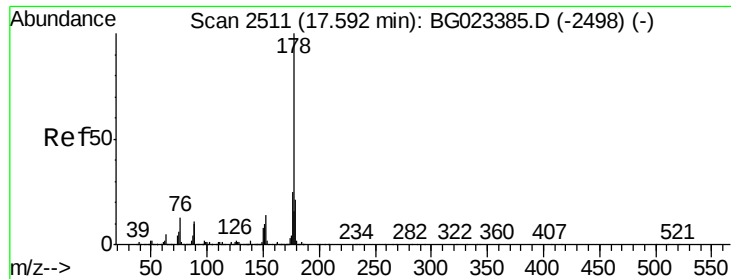
Abundance

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





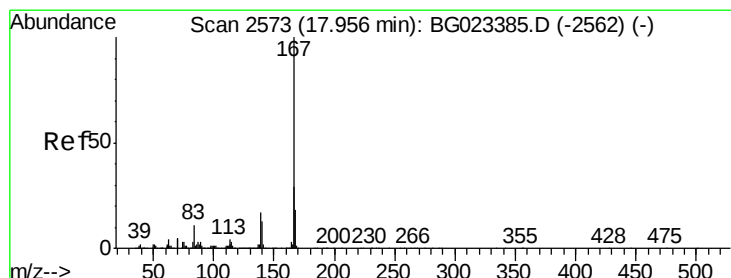
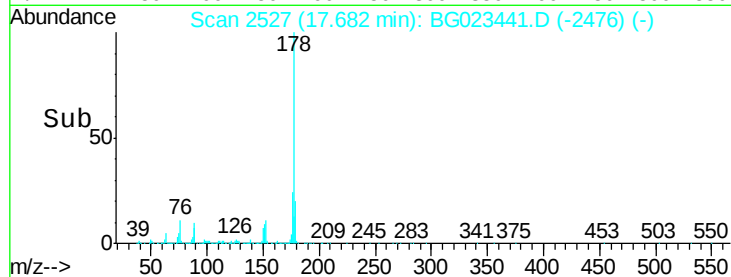
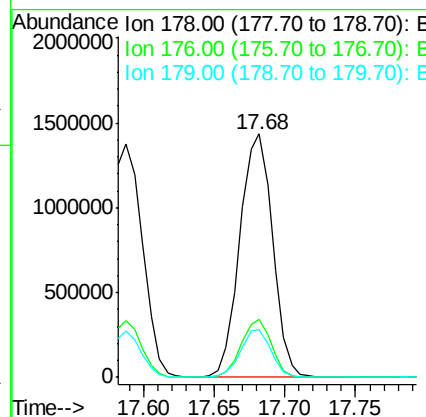
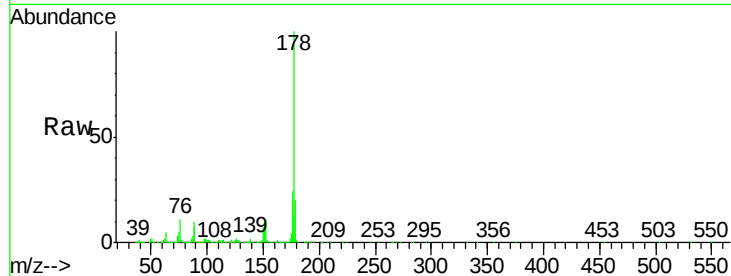
#71  
 Anthracene  
 Concen: 46.98 ng  
 RT: 17.68 min Scan# 2527  
 Delta R.T. 0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 23.7  | 17.3  | 25.9  |
| 179     | 19.8  | 14.0  | 21.0  |

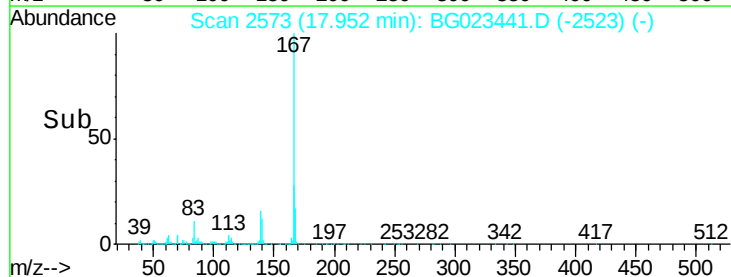
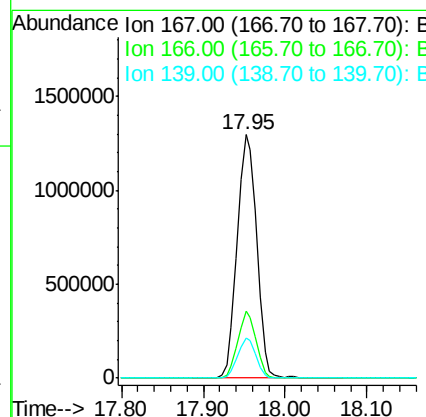
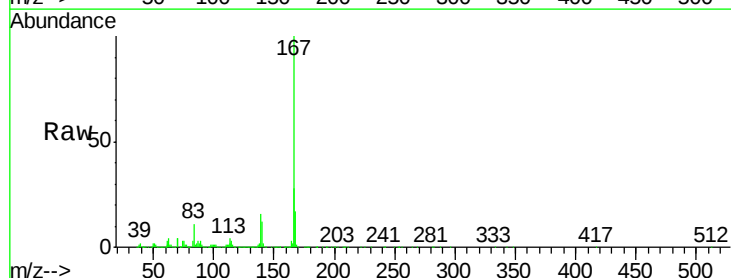
Manual Integrations  
 APPROVED

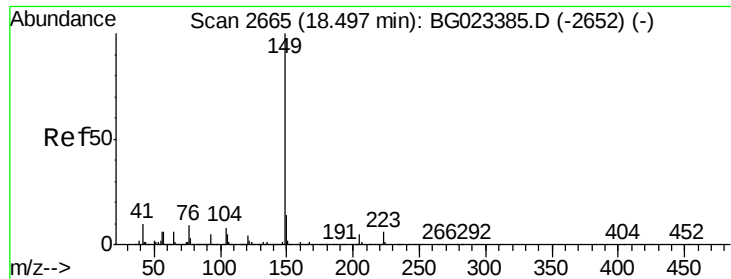
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#72  
 Carbazole  
 Concen: 49.66 ng  
 RT: 17.95 min Scan# 2573  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 27.7  | 20.7  | 31.1  |
| 139     | 16.2  | 11.9  | 17.9  |





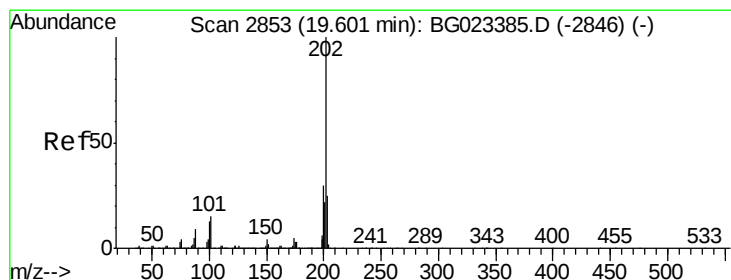
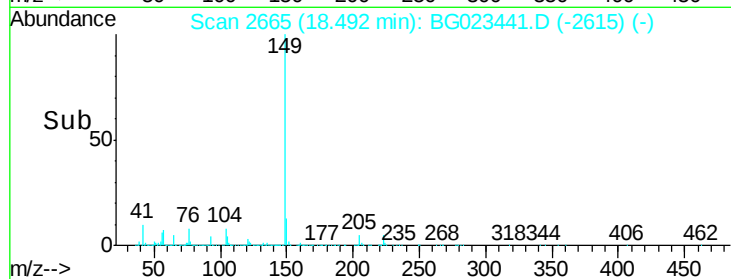
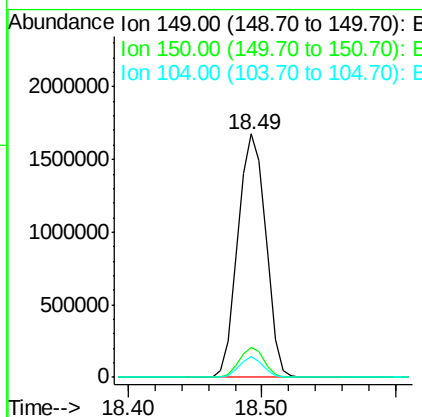
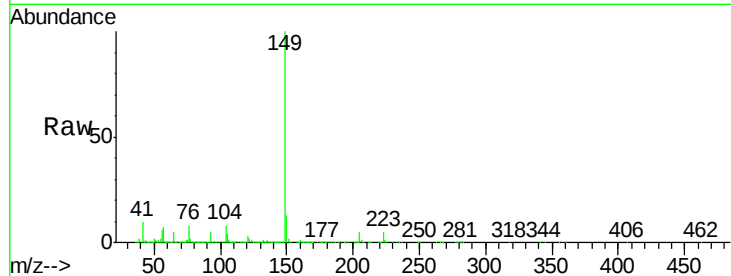
#73  
Di-n-butylphthalate  
Concen: 56.98 ng  
RT: 18.49 min Scan# 2665  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 12.5  | 9.1   | 13.7  |
| 104     | 8.4   | 6.9   | 10.3  |

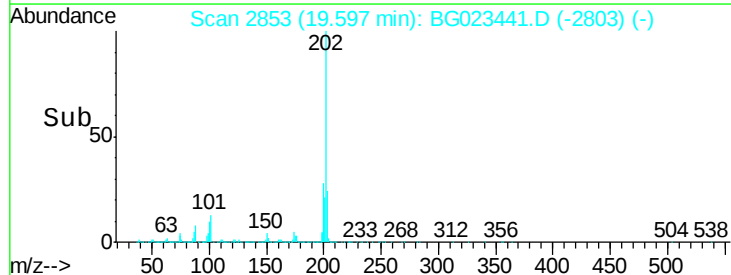
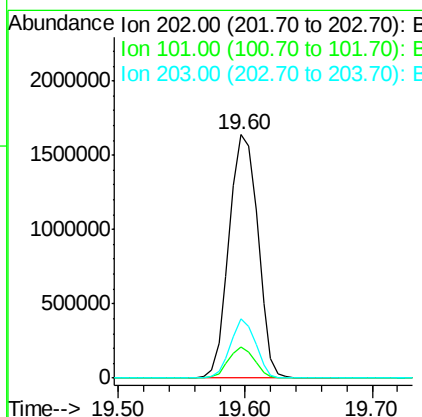
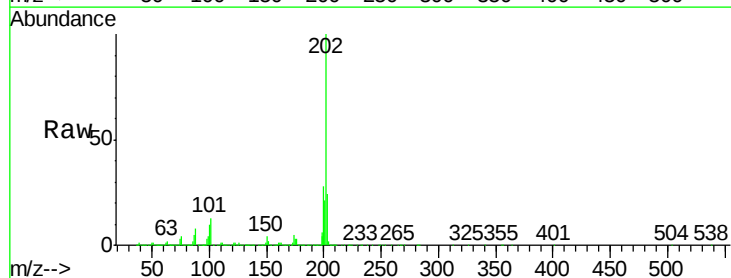
Manual Integrations  
APPROVED

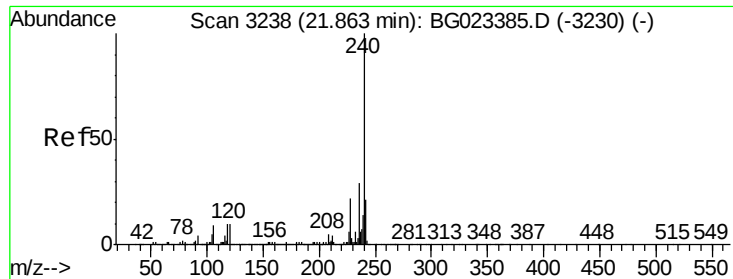
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#74  
Fluoranthene  
Concen: 57.88 ng  
RT: 19.60 min Scan# 2853  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 202     | 100   |       |       |
| 101     | 13.0  | 0.0   | 27.4  |
| 203     | 24.2  | 1.7   | 41.7  |





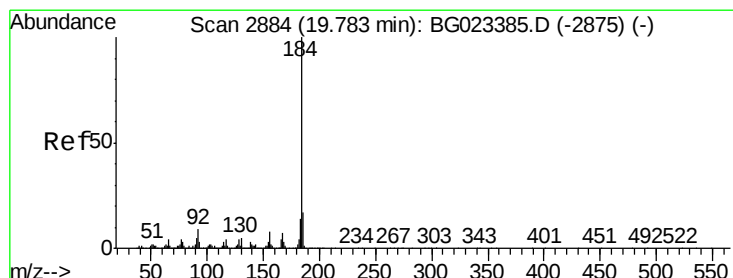
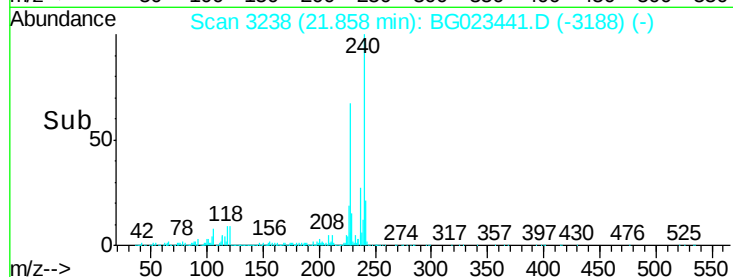
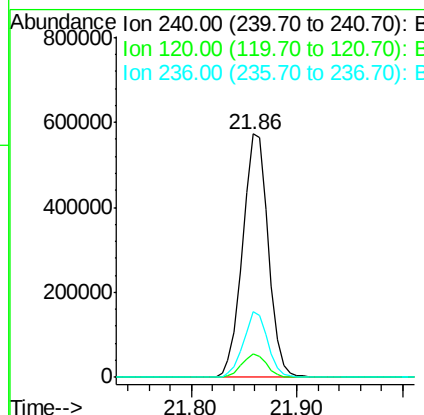
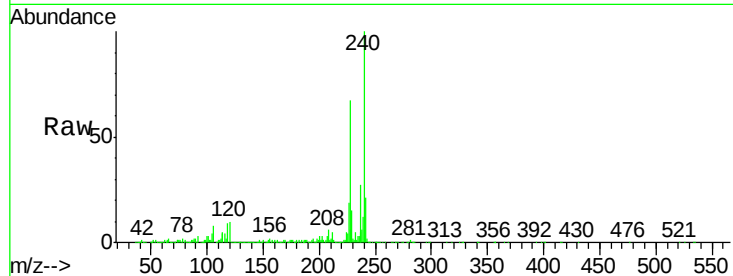
#75  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.86 min Scan# 3238  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 240     | 100   |            |            |
| 120     | 9.5   | 4.1        | 6.1#       |
| 236     | 26.9  | 21.1       | 31.7       |

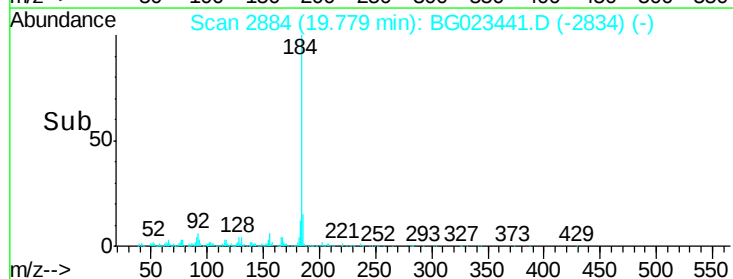
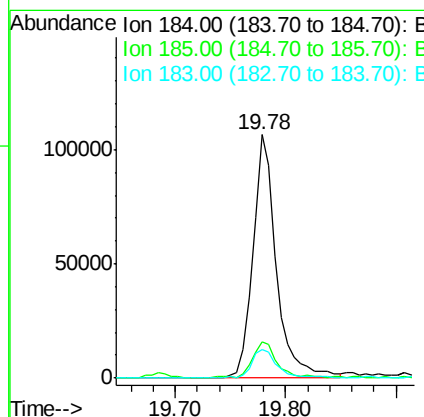
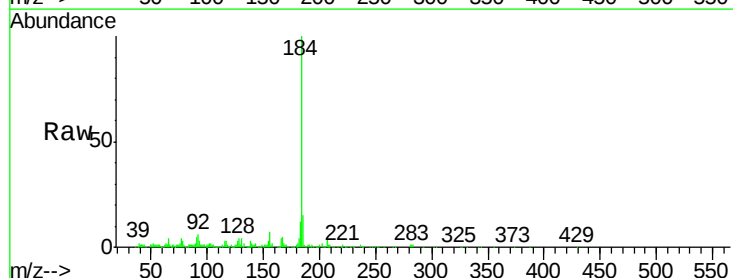
Manual Integrations  
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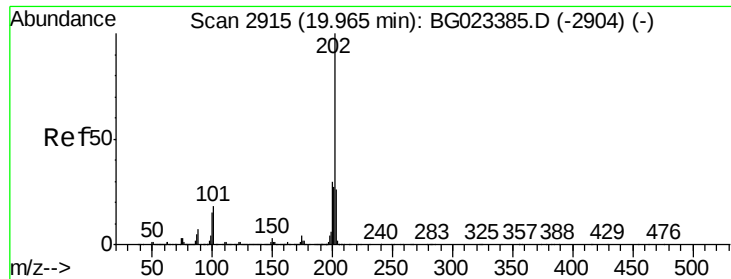
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#76  
Benzidine  
Concen: 5.96 ng  
RT: 19.78 min Scan# 2884  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 184     | 100   |            |            |
| 185     | 14.7  | 12.6       | 19.0       |
| 183     | 11.9  | 10.7       | 16.1       |





#77

Pvrene

Concen: 48.86 ng

RT: 19.96 min Scan# 2915

Delta R.T. -0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

Instrument :

BNA\_G

ClientSampleId :

GW-34-7.0-15.0MS

Tot Ion:202 Resp: 2607246

Ion Ratio Lower Upper

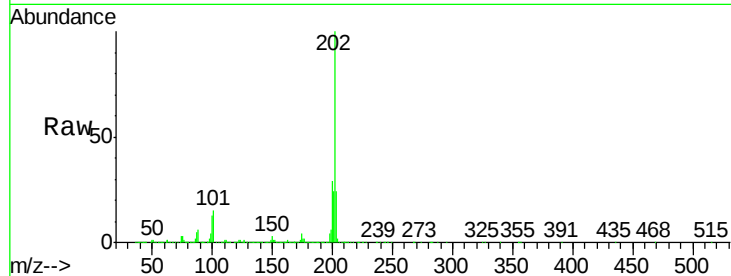
202 100

200 29.2 21.2 31.8

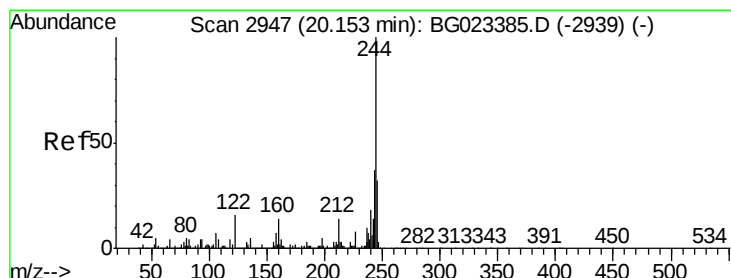
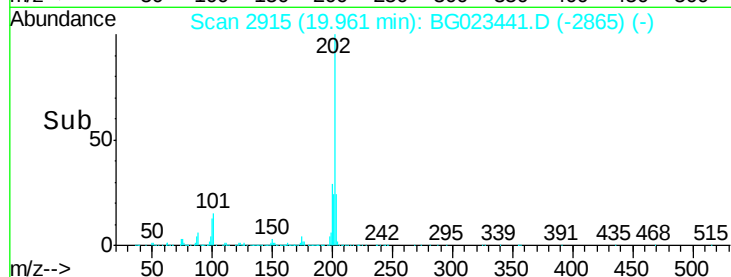
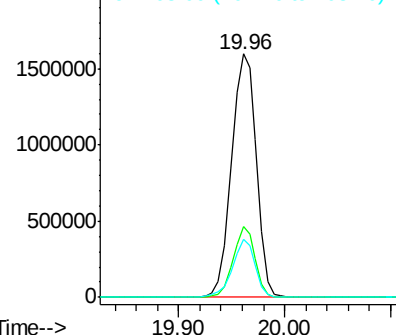
203 23.6 16.8 25.2

Manual Integrations  
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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 200.00 (199.70 to 200.70): E  
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 95.36 ng

RT: 20.15 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BG023441.D

Acq: 4 Aug 2016 1:22

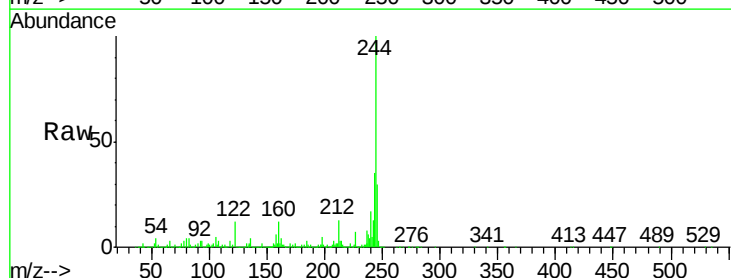
Tgt Ion:244 Resp: 2845341

Ion Ratio Lower Upper

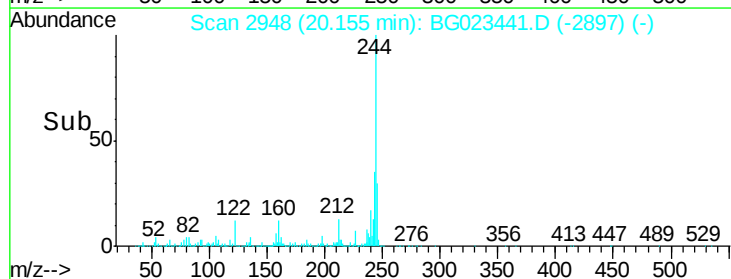
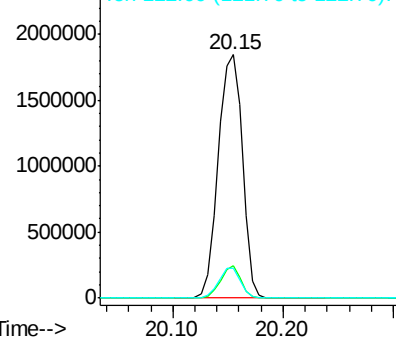
244 100

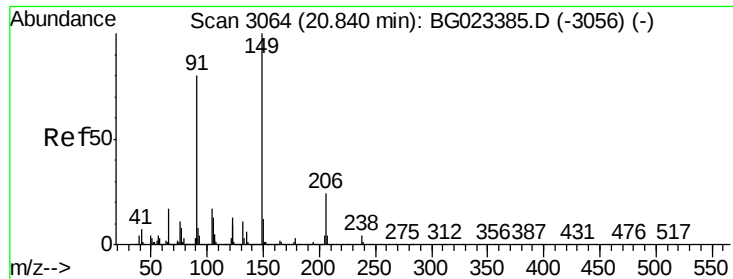
212 13.1 10.8 16.2

122 12.5 8.0 12.0#



Abundance Ion 244.00 (243.70 to 244.70): E  
Ion 212.00 (211.70 to 212.70): E  
Ion 122.00 (121.70 to 122.70): E





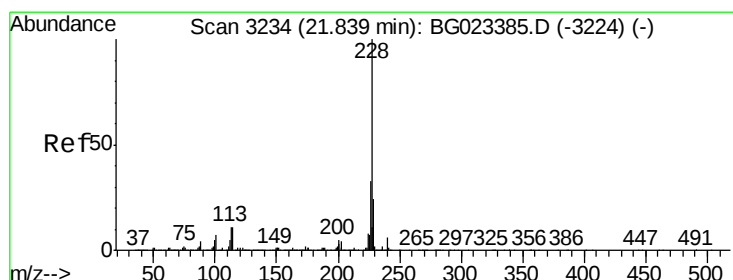
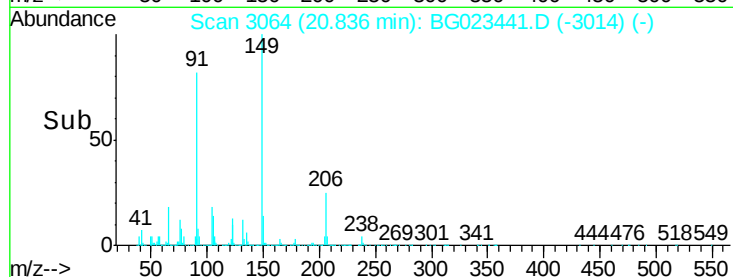
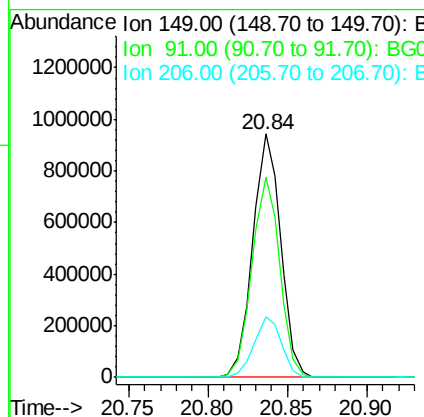
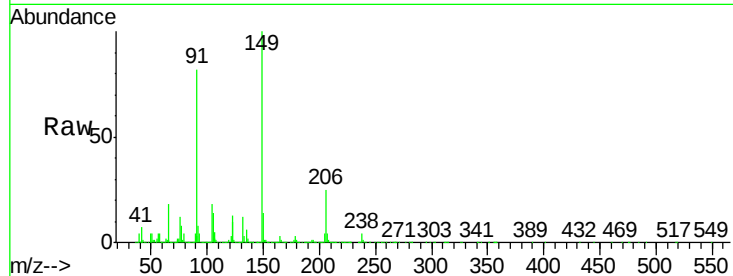
#79  
Butylbenzylphthalate  
Concen: 50.29 ng  
RT: 20.84 min Scan# 3064  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

Tot Ion:149 Resp: 1159050  
Ion Ratio Lower Upper  
149 100  
91 82.3 68.1 102.1  
206 25.1 19.8 29.6

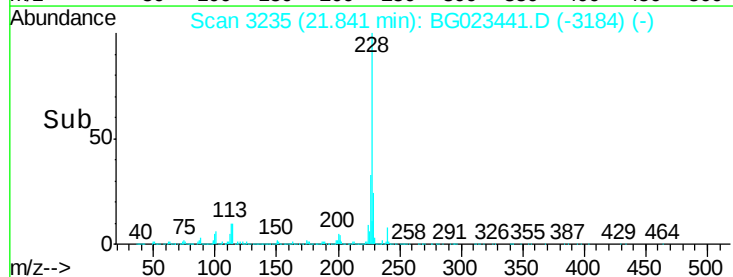
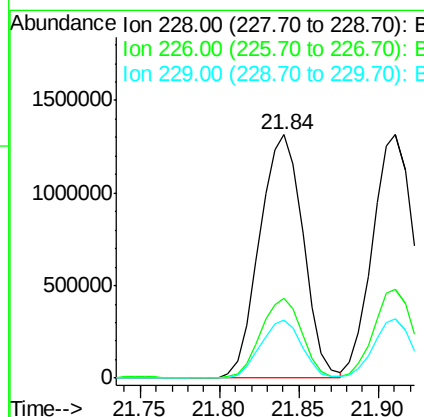
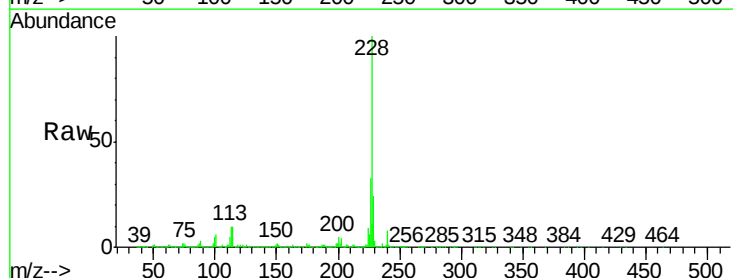
Manual Integrations  
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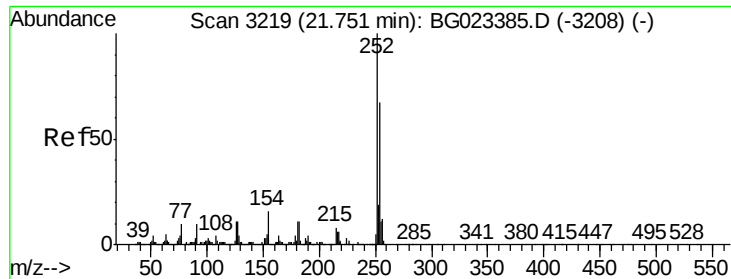
sohil  
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#80  
Benzo(a)anthracene  
Concen: 47.49 ng  
RT: 21.84 min Scan# 3235  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Tgt Ion:228 Resp: 2509185  
Ion Ratio Lower Upper  
228 100  
226 32.8 25.3 37.9  
229 23.9 19.9 29.9





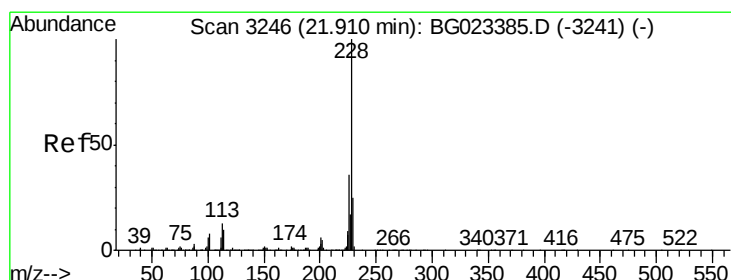
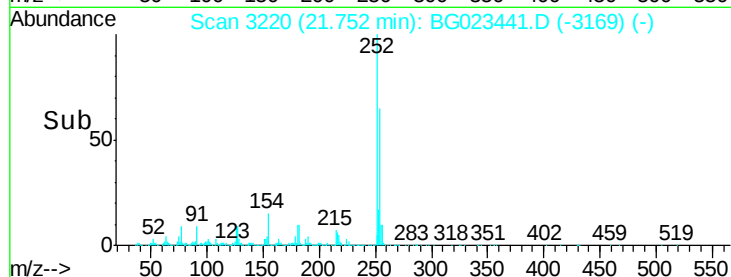
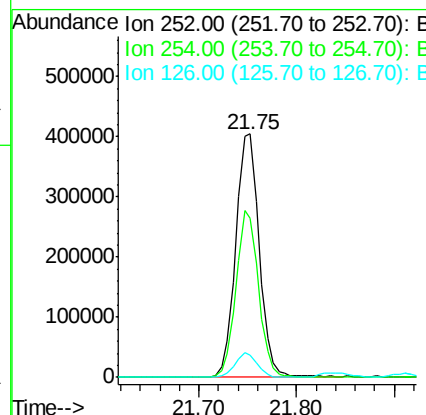
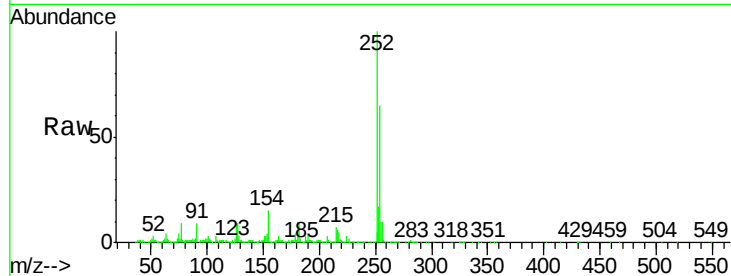
#81  
 3,3'-Dichlorobenzidine  
 Concen: 31.27 ng  
 RT: 21.75 min Scan# 3220  
 Delta R.T. 0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 65.2  | 51.2  | 76.8  |
| 126     | 9.1   | 5.3   | 7.9   |

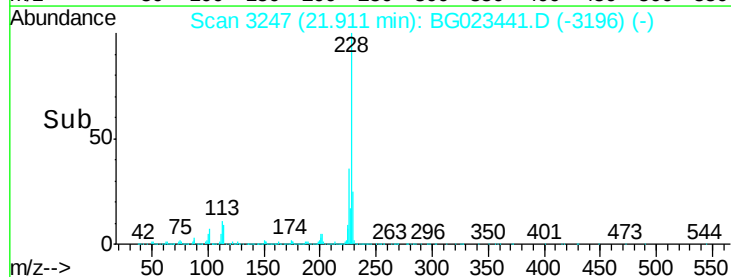
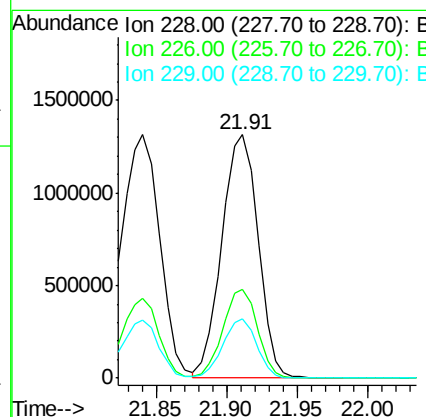
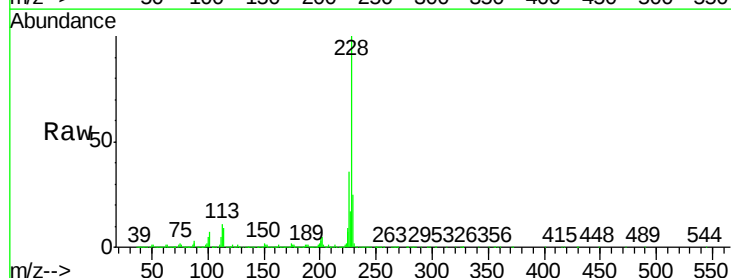
Manual Integrations  
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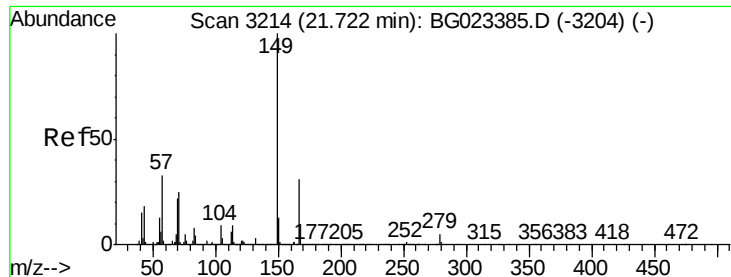
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#82  
 Chrysene  
 Concen: 46.68 ng  
 RT: 21.91 min Scan# 3247  
 Delta R.T. 0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 36.3  | 26.7  | 40.1  |
| 229     | 24.6  | 17.4  | 26.2  |





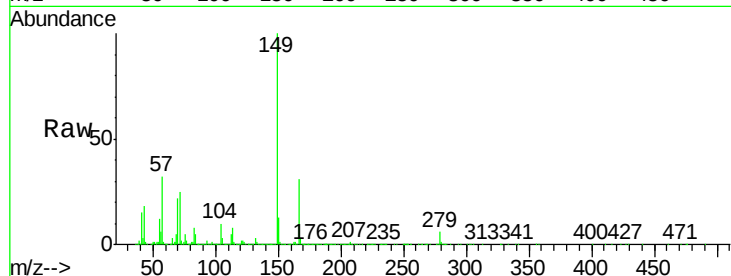
#83  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.57 ng  
 RT: 21.72 min Scan# 3214  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

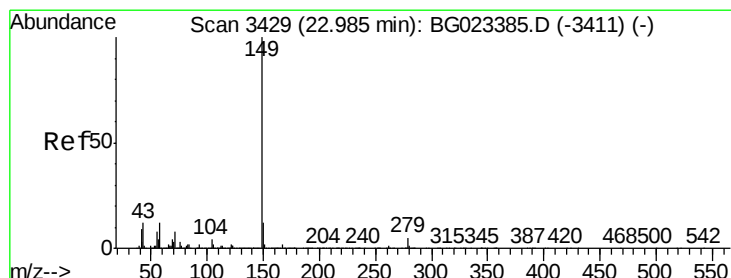
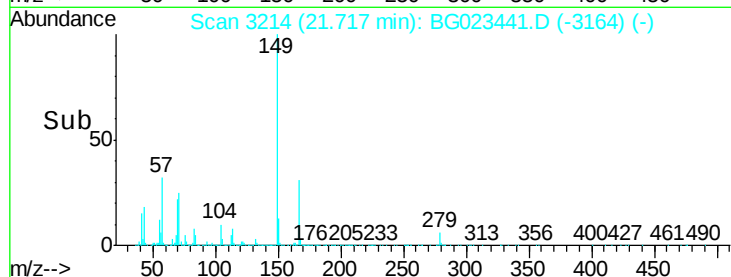
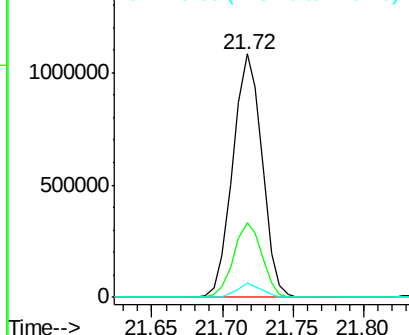
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 30.8  | 24.0  | 36.0  |
| 279     | 5.8   | 4.8   | 7.2   |

Manual Integrations  
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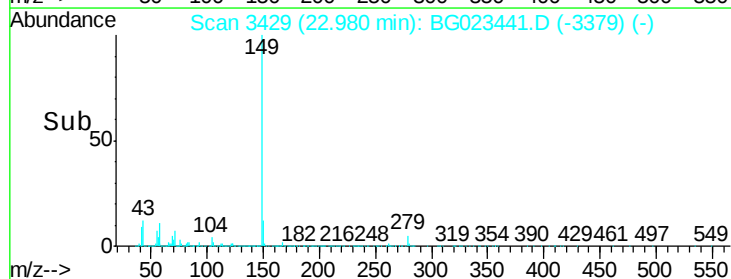
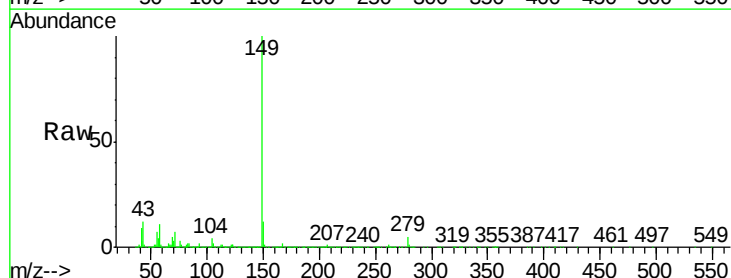
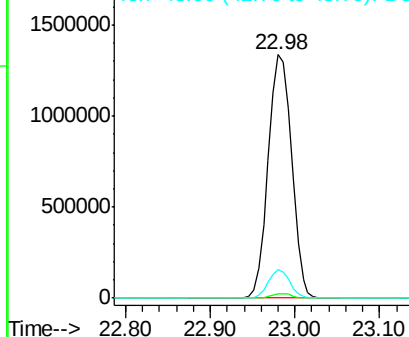
Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 279.00 (278.70 to 279.70): E

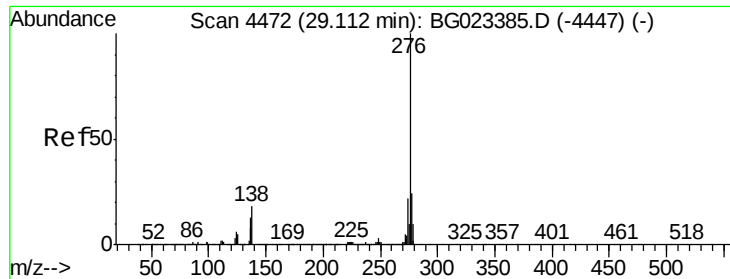


#84  
 Di-n-octyl phthalate  
 Concen: 47.63 ng  
 RT: 22.98 min Scan# 3429  
 Delta R.T. -0.00 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.8   | 1.5   | 2.3   |
| 43      | 10.6  | 8.8   | 13.2  |

Abundance Ion 149.00 (148.70 to 149.70): E  
 Ion 167.00 (166.70 to 167.70): E  
 Ion 43.00 (42.70 to 43.70): BG0





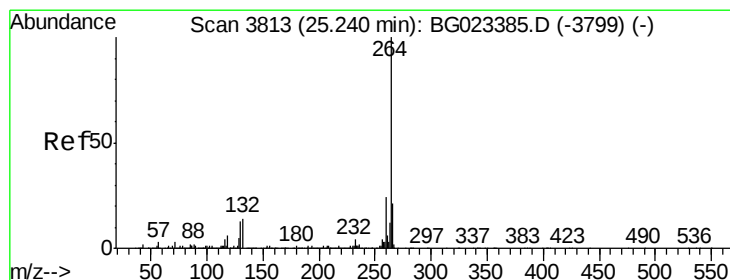
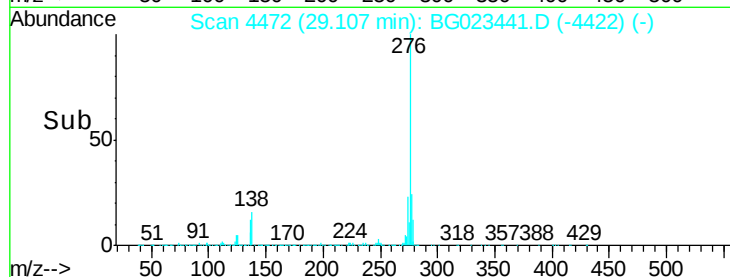
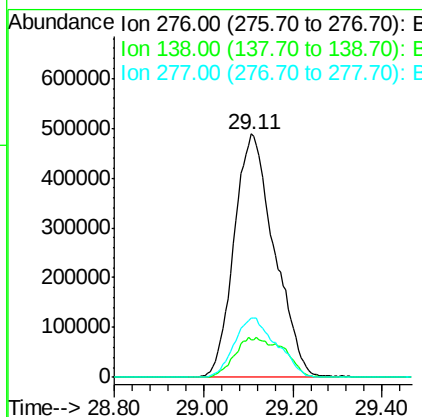
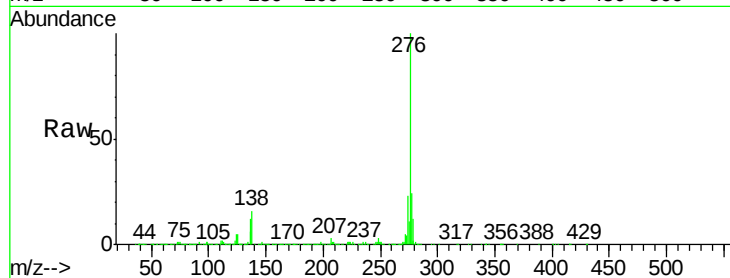
#85  
Indeno(1,2,3-cd)pyrene  
Concen: 48.74 ng  
RT: 29.11 min Scan# 4472  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 8.3   | 0.0   | 0.0#  |
| 277     | 25.6  | 0.0   | 0.0#  |

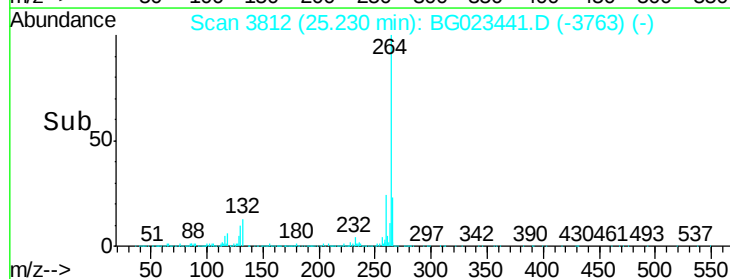
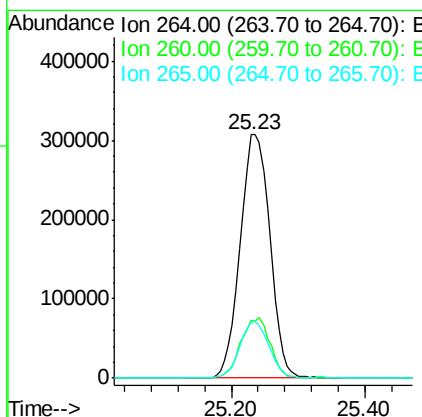
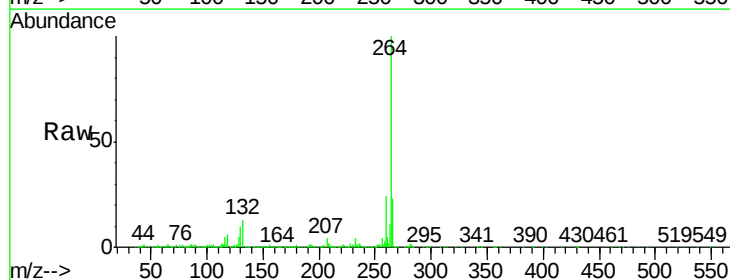
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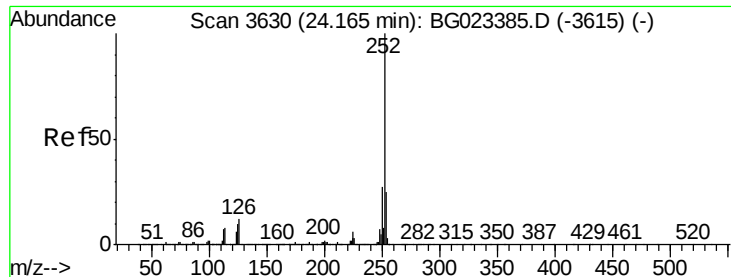
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.23 min Scan# 3812  
Delta R.T. -0.01 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 23.8  | 18.4  | 27.6  |
| 265     | 22.6  | 18.9  | 28.3  |





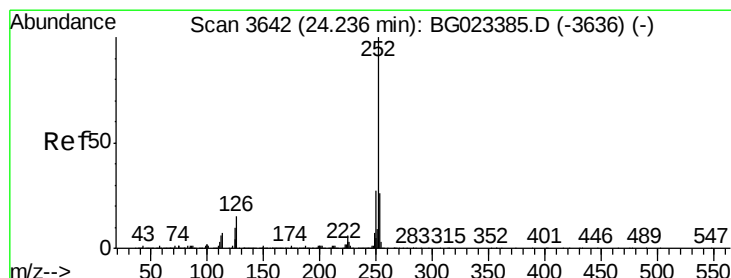
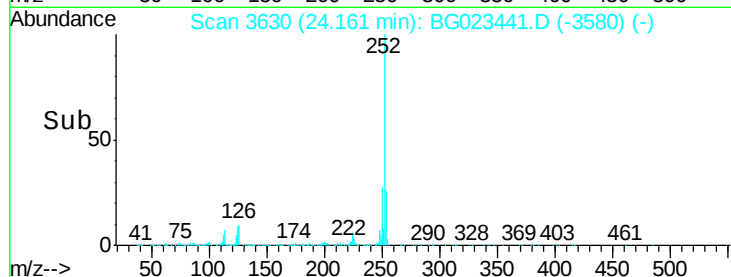
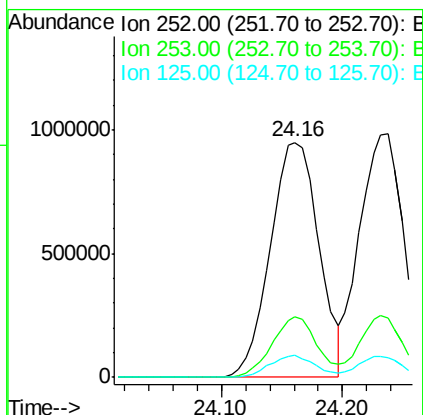
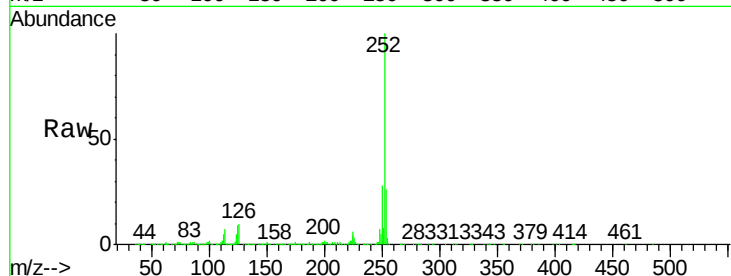
#87  
Benzo(b)fluoranthene  
Concen: 49.81 ng  
RT: 24.16 min Scan# 3630  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 26.0  | 18.9  | 28.3  |
| 125     | 9.3   | 3.9   | 5.9   |

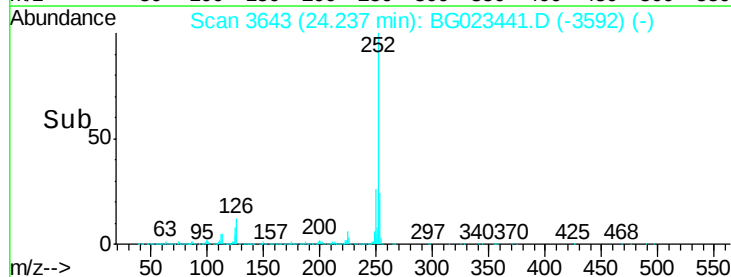
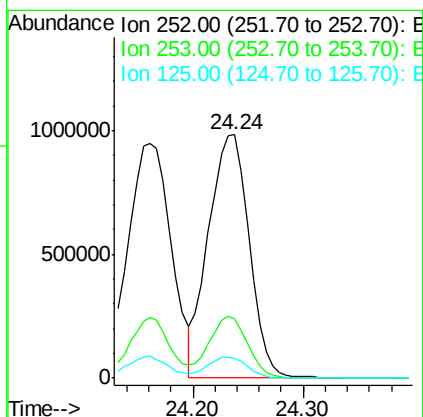
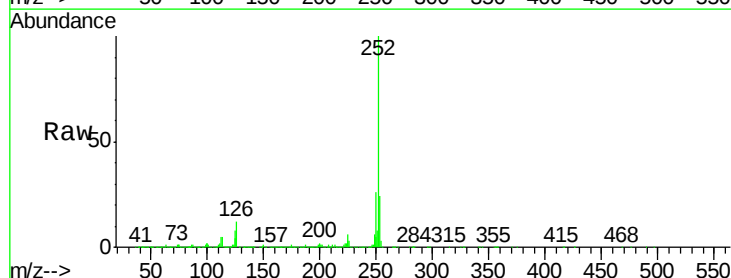
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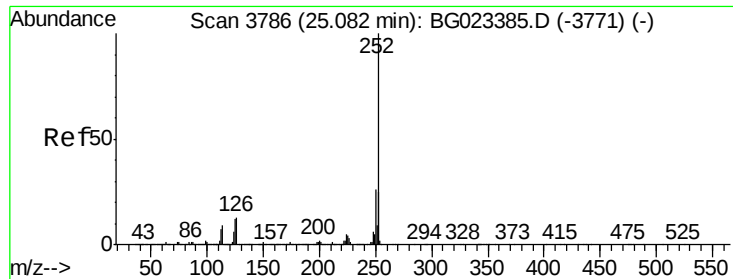
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#88  
Benzo(k)fluoranthene  
Concen: 49.24 ng  
RT: 24.24 min Scan# 3643  
Delta R.T. 0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.2  | 18.8  | 28.2  |
| 125     | 8.1   | 3.2   | 4.8   |





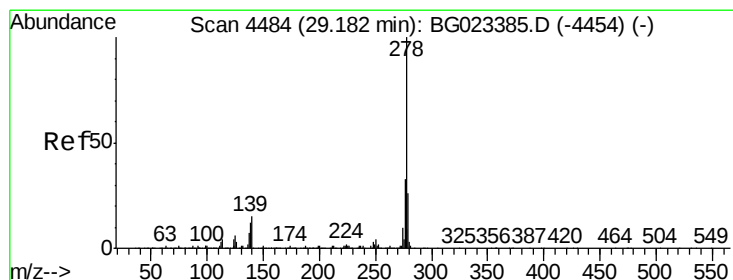
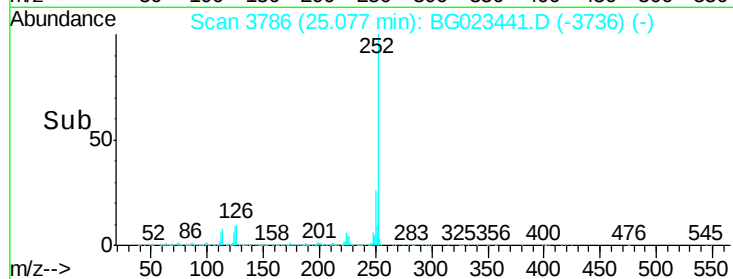
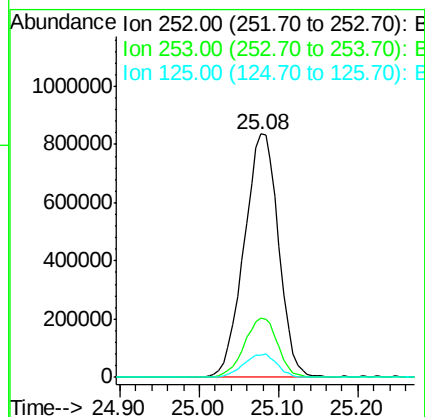
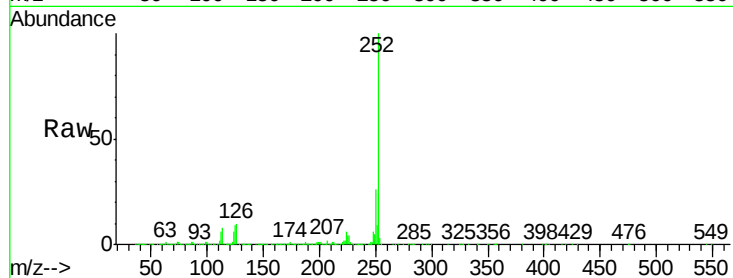
#89  
Benzo(a)pyrene  
Concen: 49.91 ng  
RT: 25.08 min Scan# 3786  
Delta R.T. -0.00 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

Instrument :  
BNA\_G  
ClientSampleId :  
GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 24.5  | 18.7  | 28.1  |
| 125     | 9.4   | 3.9   | 5.9   |

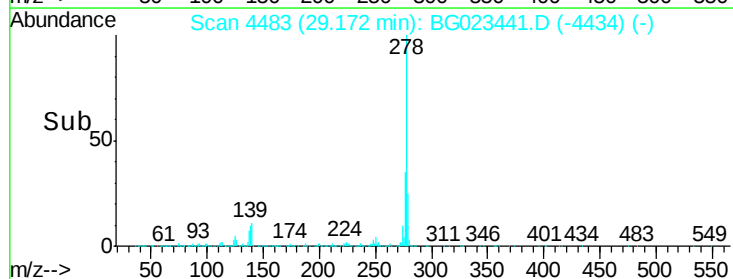
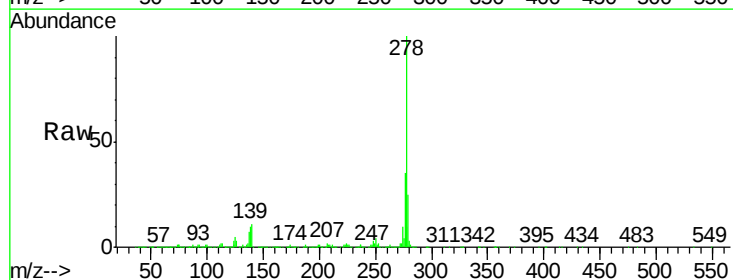
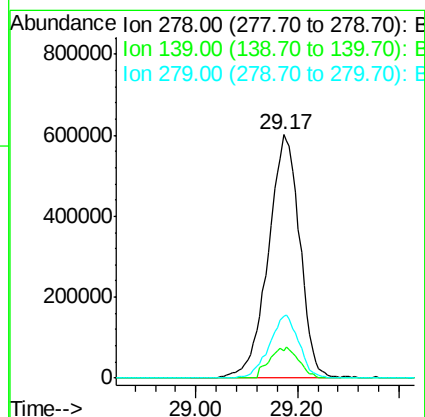
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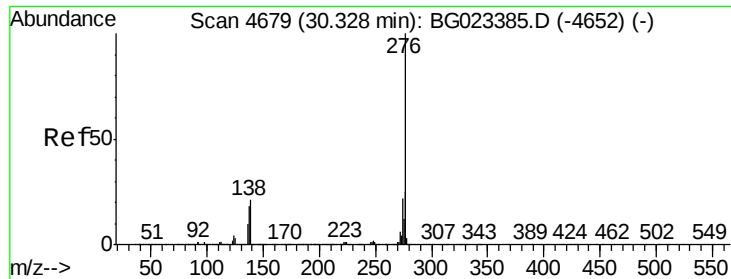
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#90  
Dibenzo(a,h)anthracene  
Concen: 50.31 ng  
RT: 29.17 min Scan# 4483  
Delta R.T. -0.01 min  
Lab File: BG023441.D  
Acq: 4 Aug 2016 1:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.4  | 4.7   | 7.1   |
| 279     | 25.3  | 18.3  | 27.5  |





#91  
 Benzo(a,h,i)perylene  
 Concen: 49.14 ng  
 RT: 30.32 min Scan# 4678  
 Delta R.T. -0.01 min  
 Lab File: BG023441.D  
 Acq: 4 Aug 2016 1:22

Instrument :  
 BNA\_G  
 ClientSampleId :  
 GW-34-7.0-15.0MS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.9  | 18.6  | 27.8  |
| 138     | 16.2  | 6.8   | 10.2  |

Manual Integrations  
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