

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\  
 Data File : BG039384.D  
 Acq On : 7 Feb 2019 15:58  
 Operator : JU/SJ  
 Sample : PB116900BS  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116900BS

Manual Integrations  
 APPROVED

Sohil  
 2/11/2019 5:04:14 PM

Quant Time: Feb 08 23:44:28 2019  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG012919.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 29 15:41:51 2019  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.18  | 152  | 49423    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 11.00 | 136  | 211286   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.80 | 164  | 136052   | 20.00 | ng    | -0.01    |
| 64) Phenanthrene-d10      | 17.54 | 188  | 336779   | 20.00 | ng    | -0.01    |
| 76) Chrysene-d12          | 21.84 | 240  | 356561   | 20.00 | ng    | -0.01    |
| 87) Perylene-d12          | 25.21 | 264  | 375172   | 20.00 | ng    | -0.03    |

|                             |       |     |         |        |    |       |
|-----------------------------|-------|-----|---------|--------|----|-------|
| System Monitoring Compounds |       |     |         |        |    |       |
| 5) 2-Fluorophenol           | 5.72  | 112 | 414824  | 143.65 | ng | 0.00  |
| 7) Phenol-d6                | 7.31  | 99  | 577234  | 135.80 | ng | 0.00  |
| 23) Nitrobenzene-d5         | 9.35  | 82  | 309345  | 91.46  | ng | -0.01 |
| 42) 2,4,6-Tribromophenol    | 16.29 | 330 | 207757  | 141.81 | ng | 0.00  |
| 45) 2-Fluorobiphenyl        | 13.42 | 172 | 750570  | 79.14  | ng | -0.01 |
| 79) Terphenyl-d14           | 20.14 | 244 | 1292724 | 76.74  | ng | -0.01 |

|                                |       |     |        |           |        |
|--------------------------------|-------|-----|--------|-----------|--------|
| Target Compounds               |       |     |        |           | Qvalue |
| 2) 1,4-Dioxane                 | 3.60  | 88  | 60575  | 47.956 ng | 98     |
| 3) Pyridine                    | 4.01  | 79  | 131312 | 39.264 ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.93  | 42  | 67330  | 40.256 ng | 83     |
| 6) Aniline                     | 7.50  | 93  | 151493 | 28.454 ng | 96     |
| 8) 2-Chlorophenol              | 7.74  | 128 | 143003 | 45.304 ng | 95     |
| 9) Benzaldehyde                | 7.31  | 77  | 29921  | 10.676 ng | 95     |
| 10) Phenol                     | 7.34  | 94  | 194672 | 43.935 ng | 99     |
| 11) bis(2-Chloroethyl)ether    | 7.59  | 93  | 136359 | 38.946 ng | 99     |
| 12) 1,3-Dichlorobenzene        | 8.07  | 146 | 149119 | 38.997 ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.21  | 146 | 153211 | 40.199 ng | 97     |
| 14) 1,2-Dichlorobenzene        | 8.53  | 146 | 145662 | 39.479 ng | 95     |
| 15) Benzyl Alcohol             | 8.41  | 79  | 133131 | 39.895 ng | 96     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.70  | 45  | 271887 | 34.387 ng | 99     |
| 17) 2-Methylphenol             | 8.60  | 107 | 126017 | 43.949 ng | 96     |
| 18) Hexachloroethane           | 9.27  | 117 | 54364  | 41.460 ng | 94     |
| 19) n-Nitroso-di-n-propylamine | 8.98  | 70  | 109895 | 36.426 ng | 95     |
| 20) 3+4-Methylphenols          | 8.93  | 107 | 169458 | 42.917 ng | 98     |
| 22) Acetophenone               | 9.01  | 105 | 209446 | 36.904 ng | # 95   |
| 24) Nitrobenzene               | 9.40  | 77  | 164645 | 45.061 ng | 97     |
| 25) Isophorone                 | 9.91  | 82  | 305800 | 40.802 ng | 97     |
| 26) 2-Nitrophenol              | 10.11 | 139 | 72101  | 49.814 ng | 92     |
| 27) 2,4-Dimethylphenol         | 10.15 | 122 | 146314 | 48.260 ng | 95     |
| 28) bis(2-Chloroethoxy)methane | 10.39 | 93  | 191553 | 41.495 ng | 96     |
| 29) 2,4-Dichlorophenol         | 10.63 | 162 | 152224 | 45.940 ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.86 | 180 | 154120 | 41.429 ng | 99     |
| 31) Naphthalene                | 11.05 | 128 | 446136 | 42.563 ng | 99     |
| 32) Benzoic acid               | 10.26 | 122 | 81398  | 42.316 ng | 95     |
| 33) 4-Chloroaniline            | 11.16 | 127 | 100550 | 20.689 ng | 98     |
| 34) Hexachlorobutadiene        | 11.32 | 225 | 101582 | 41.060 ng | 94     |
| 35) Caprolactam                | 11.94 | 113 | 49573m | 36.154 ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.25 | 107 | 160705 | 41.936 ng | 99     |
| 37) 2-Methylnaphthalene        | 12.64 | 142 | 329568 | 42.452 ng | 96     |
| 38) 1-Methylnaphthalene        | 12.86 | 142 | 317447 | 42.420 ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 13.00 | 216 | 179988 | 41.579 ng | 99     |

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 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.97 | 237  | 230625   | 97.771 | nq    | 98       |
| 43) 2,4,6-Trichlorophenol      | 13.24 | 196  | 120009   | 45.090 | nq    | 99       |
| 44) 2,4,5-Trichlorophenol      | 13.31 | 196  | 128876   | 46.200 | nq    | 97       |
| 46) 1,1'-Biphenyl              | 13.64 | 154  | 440475   | 38.912 | nq    | 100      |
| 47) 2-Chloronaphthalene        | 13.69 | 162  | 339329   | 39.847 | nq    | 98       |
| 48) 2-Nitroaniline             | 13.89 | 65   | 112166   | 46.224 | nq    | 97       |
| 49) Acenaphthylene             | 14.53 | 152  | 551132   | 42.891 | nq    | 98       |
| 50) Dimethylphthalate          | 14.25 | 163  | 440219   | 40.063 | nq    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.38 | 165  | 95102    | 46.540 | nq    | 99       |
| 52) Acenaphthene               | 14.86 | 154  | 331451   | 39.738 | nq    | 98       |
| 53) 3-Nitroaniline             | 14.70 | 138  | 69707    | 33.454 | nq    | # 97     |
| 54) 2,4-Dinitrophenol          | 14.91 | 184  | 71434    | 79.085 | nq    | 93       |
| 55) Dibenzofuran               | 15.20 | 168  | 539266   | 40.324 | nq    | 100      |
| 56) 4-Nitrophenol              | 14.99 | 139  | 175061   | 87.527 | nq    | 91       |
| 57) 2,4-Dinitrotoluene         | 15.16 | 165  | 136341   | 51.205 | nq    | 88       |
| 58) Fluorene                   | 15.84 | 166  | 425246   | 42.656 | nq    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.41 | 232  | 128393   | 49.157 | nq    | 98       |
| 60) Diethylphthalate           | 15.60 | 149  | 443359   | 39.025 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.83 | 204  | 222539   | 39.423 | nq    | 96       |
| 62) 4-Nitroaniline             | 15.87 | 138  | 106977   | 46.565 | nq    | 95       |
| 63) Azobenzene                 | 16.13 | 77   | 406399   | 36.599 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.92 | 198  | 63417    | 47.857 | nq    | 99       |
| 66) n-Nitrosodiphenylamine     | 16.04 | 169  | 387198   | 37.811 | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.73 | 248  | 145480   | 38.938 | nq    | 94       |
| 68) Hexachlorobenzene          | 16.84 | 284  | 149032   | 39.758 | nq    | 93       |
| 69) Atrazine                   | 16.98 | 200  | 159873   | 42.721 | nq    | 100      |
| 70) Pentachlorophenol          | 17.18 | 266  | 188133   | 72.212 | nq    | 99       |
| 71) Phenanthrene               | 17.59 | 178  | 725509   | 41.623 | nq    | 99       |
| 72) Anthracene                 | 17.68 | 178  | 739855   | 43.092 | nq    | 99       |
| 73) Carbazole                  | 17.95 | 167  | 662542   | 38.667 | nq    | 98       |
| 74) Di-n-butylphthalate        | 18.48 | 149  | 809696   | 40.505 | nq    | 99       |
| 75) Fluoranthene               | 19.59 | 202  | 900290   | 44.499 | nq    | 99       |
| 77) Benzidine                  | 19.76 | 184  | 306675   | 26.234 | nq    | 99       |
| 78) Pyrene                     | 19.95 | 202  | 906069   | 40.820 | nq    | 99       |
| 80) Butylbenzylphthalate       | 20.82 | 149  | 382757   | 40.878 | nq    | 96       |
| 81) Benzo(a)anthracene         | 21.81 | 228  | 894873   | 42.474 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.72 | 252  | 209120   | 26.768 | nq    | 98       |
| 83) Chrysene                   | 21.88 | 228  | 837045   | 41.735 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.69 | 149  | 541503   | 40.537 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.96 | 149  | 911997   | 41.324 | nq    | 96       |
| 86) Indeno(1,2,3-cd)pyrene     | 29.11 | 276  | 1007772  | 46.832 | nq    | 99       |
| 88) Benzo(b)fluoranthene       | 24.13 | 252  | 885207   | 43.265 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 24.21 | 252  | 839753   | 40.881 | nq    | 98       |
| 90) Benzo(a)pyrene             | 25.06 | 252  | 861259   | 43.708 | nq    | 99       |
| 91) Dibenzo(a,h)anthracene     | 29.19 | 278  | 815771   | 44.207 | nq    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.35 | 276  | 817221   | 44.431 | nq    | 99       |

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

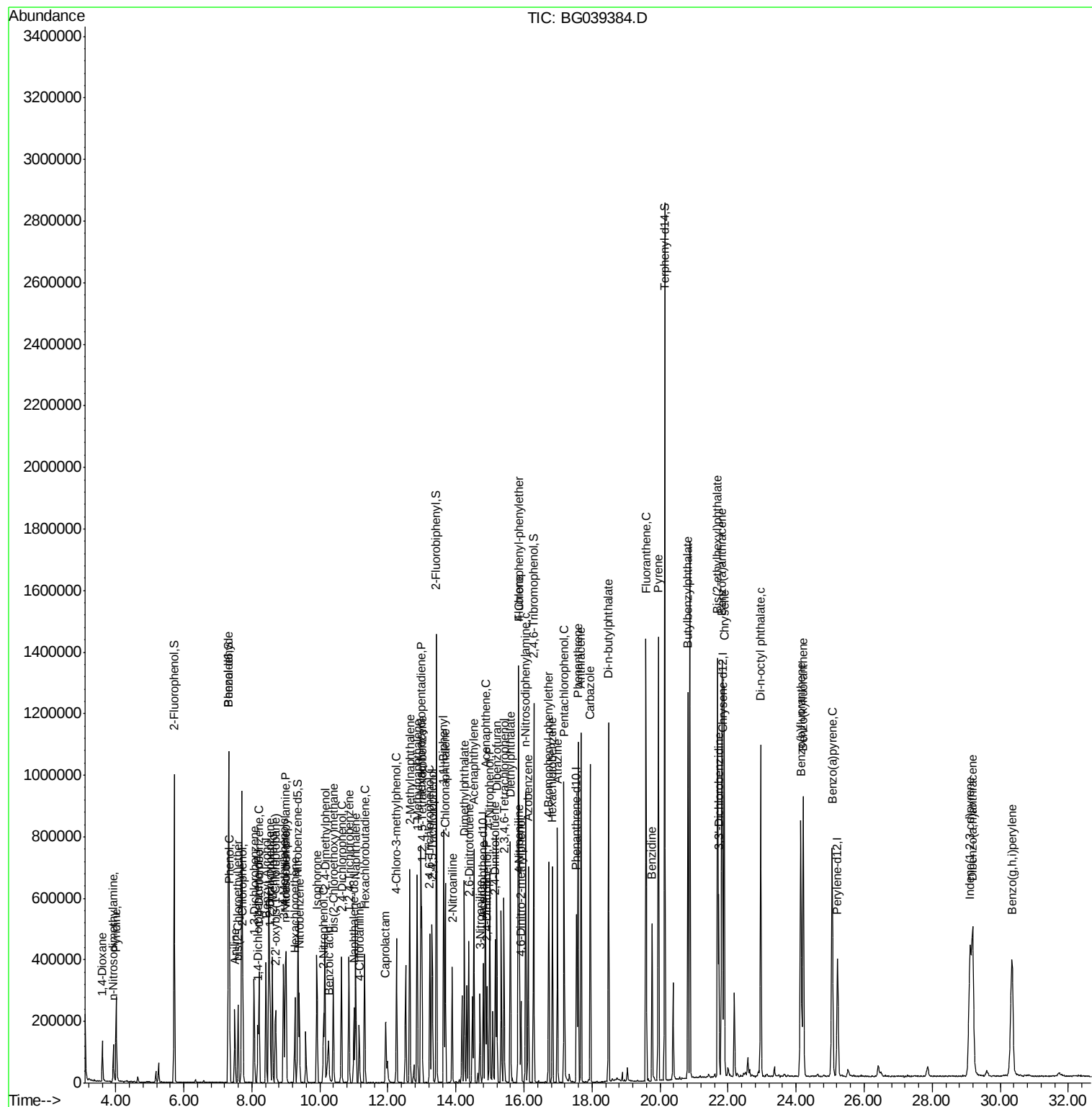
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020719\  
Data File : BG039384.D  
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Sample : PB116900BS  
Misc :  
ALS Vial : 4 Sample Multiplier: 1

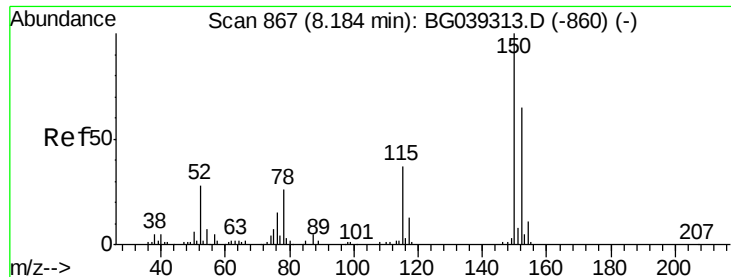
Instrument :  
BNA\_G  
ClientSampleId :  
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#1

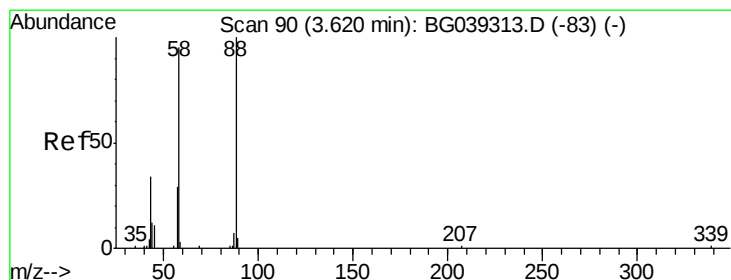
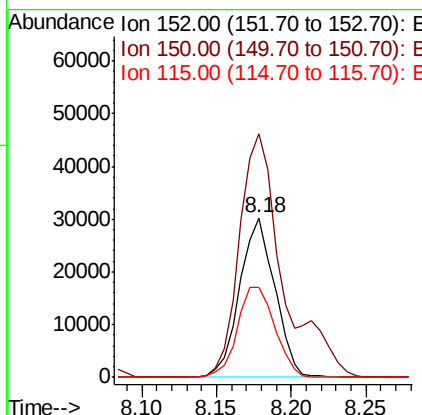
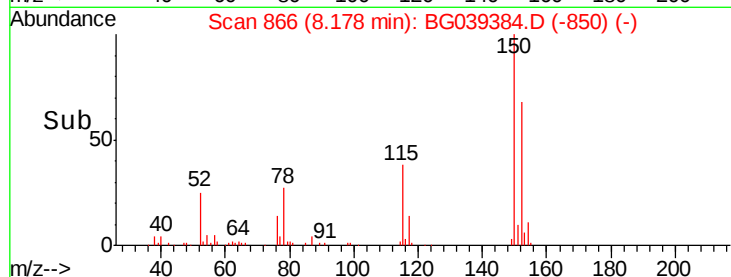
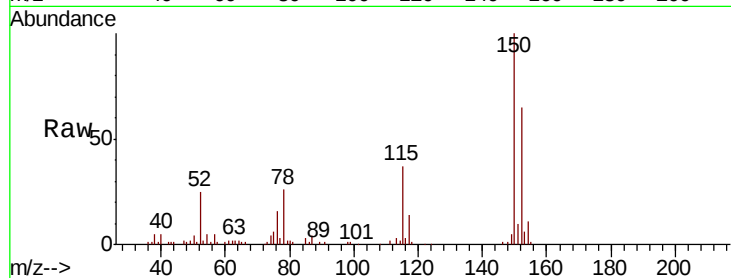
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.18 min Scan# 866  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 152.8 | 123.7 | 185.5 |
| 115     | 56.5  | 45.9  | 68.9  |

Manual Integrations  
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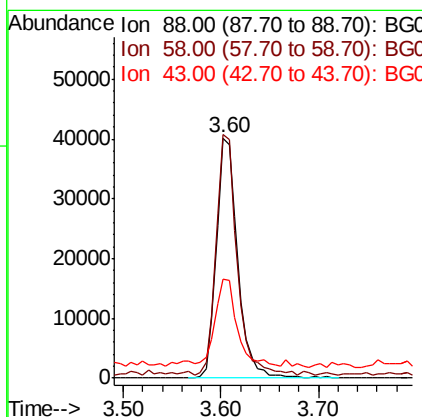
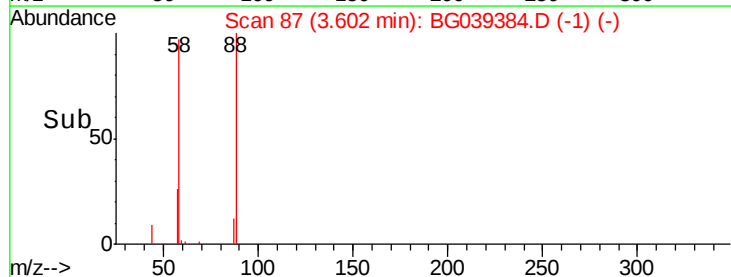
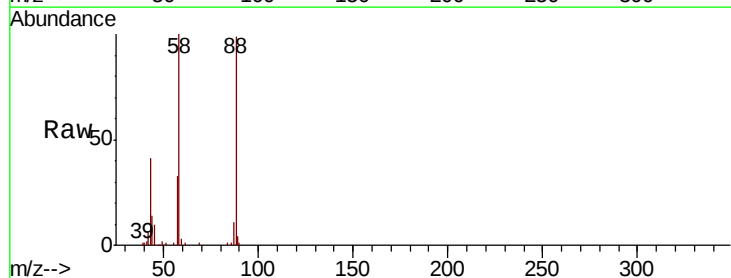
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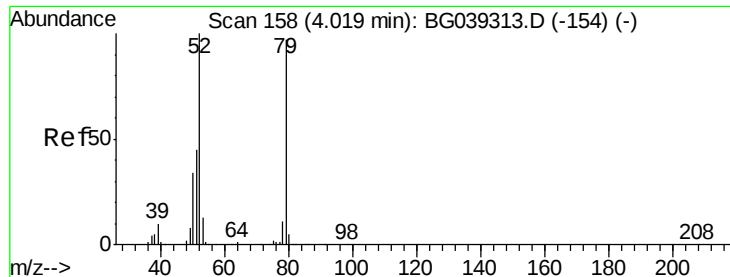


#2

1,4-Dioxane  
Concen: 47.956 ng  
RT: 3.60 min Scan# 87  
Delta R.T. -0.02 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 99.4  | 81.1  | 121.7 |
| 43      | 39.8  | 31.4  | 47.0  |





#3

Pvridine

Concen: 39.264 ng

RT: 4.01 min Scan# 156

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

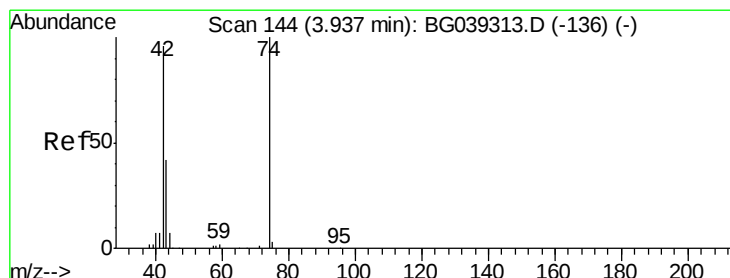
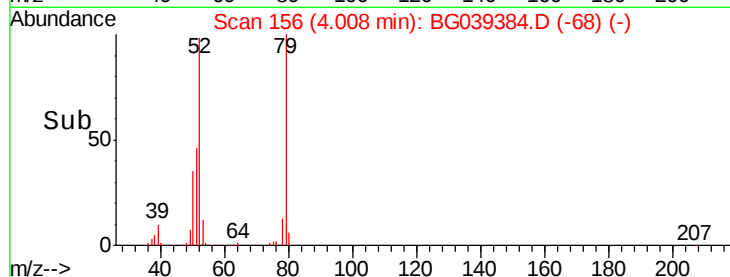
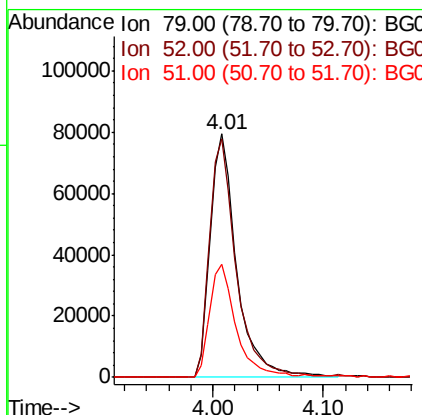
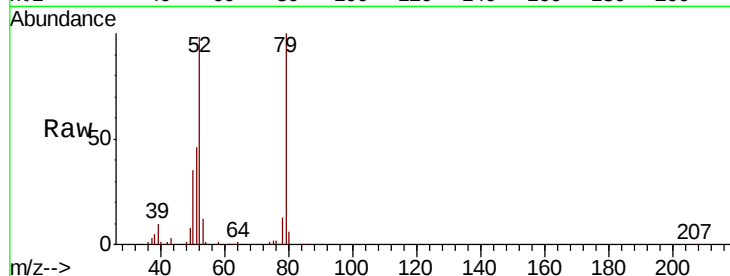
ClientSampleId :

PB116900BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 131312 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 52        | 98.1  | 82.6  | 124.0  |
| 51        | 46.4  | 37.5  | 56.3   |

Manual Integrations  
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#4

n-Nitrosodimethylamine

Concen: 40.256 ng

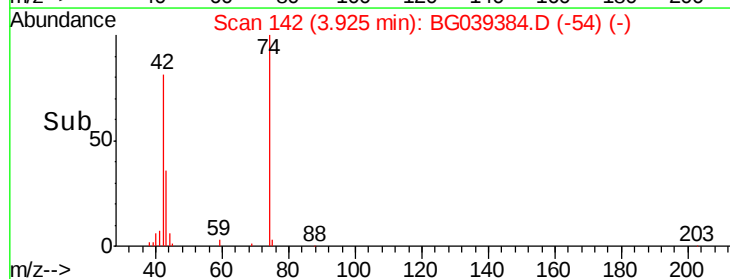
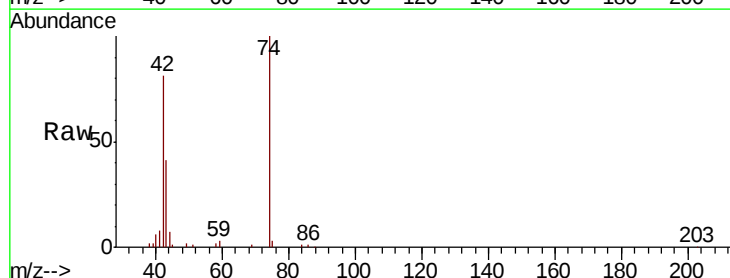
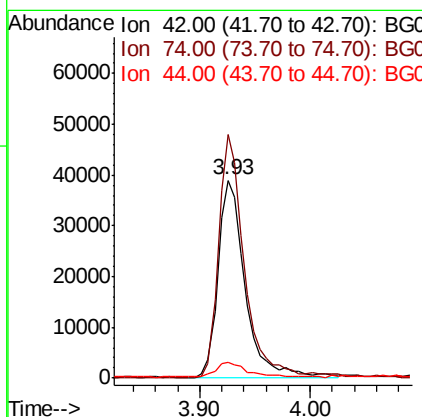
RT: 3.93 min Scan# 142

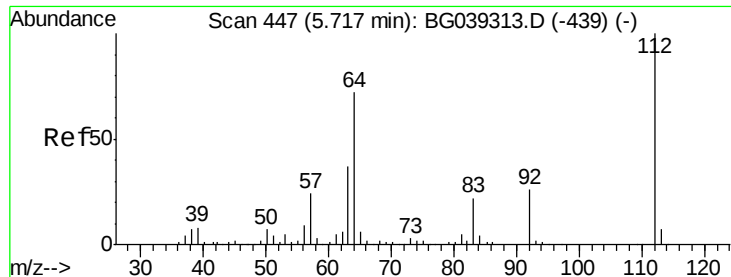
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 42    | Resp: | 67330 |
| Ion Ratio | Lower | Upper |       |
| 42        | 100   |       |       |
| 74        | 123.0 | 83.6  | 125.4 |
| 44        | 8.3   | 6.9   | 10.3  |





#5

2-Fluorophenol

Concen: 143.653 ng

RT: 5.72 min Scan# 447

Delta R.T. 0.00 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

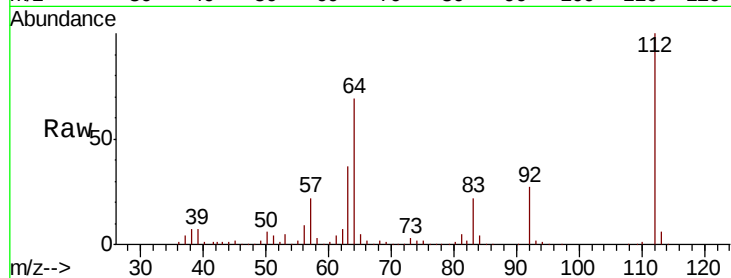
ClientSampleId :

PB116900BS

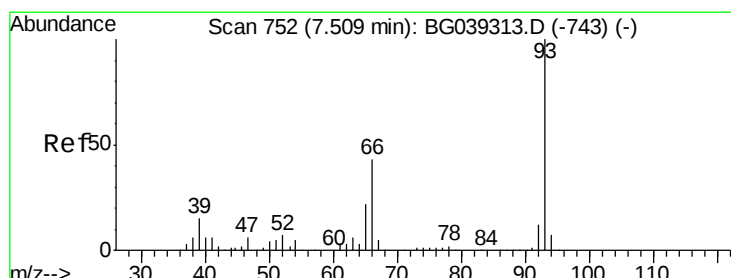
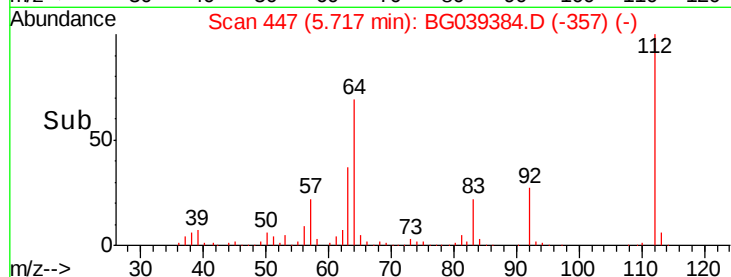
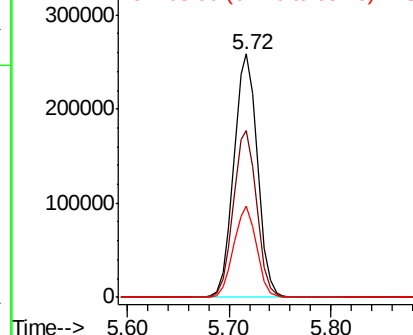
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 414824 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 68.7  | 57.8  | 86.8   |
| 63        | 37.3  | 29.8  | 44.6   |

Manual Integrations  
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Abundance Ion 112.00 (111.70 to 112.70): BGC  
Ion 64.00 (63.70 to 64.70): BGC  
Ion 63.00 (62.70 to 63.70): BGC



#6

Aniline

Concen: 28.454 ng

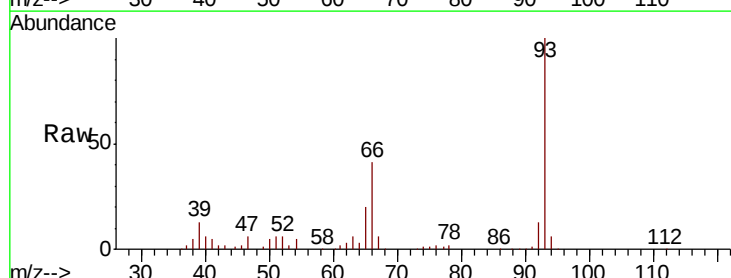
RT: 7.50 min Scan# 751

Delta R.T. -0.01 min

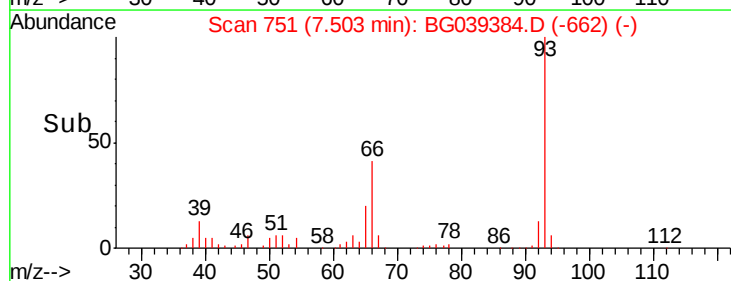
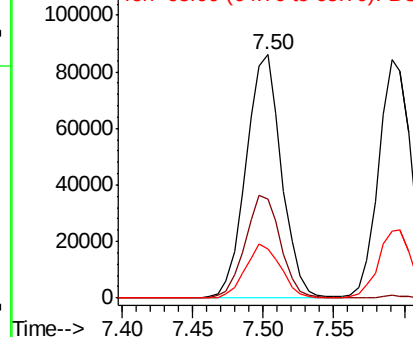
Lab File: BG039384.D

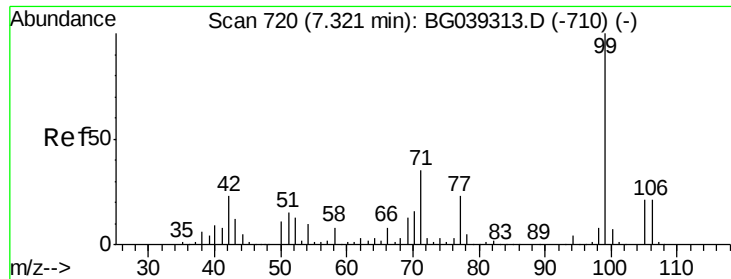
Acq: 7 Feb 2019 15:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 151493 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 66        | 40.6  | 34.2  | 51.4   |
| 65        | 20.1  | 17.7  | 26.5   |



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





#7

Phenol-d6

Concen: 135.801 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

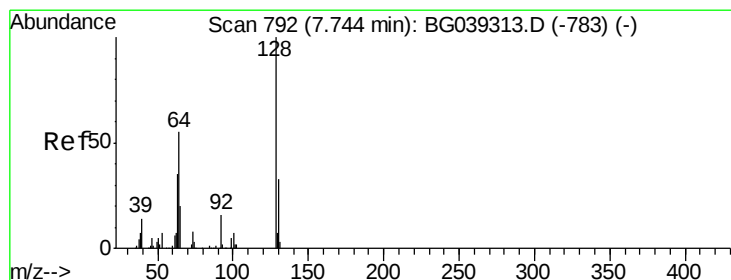
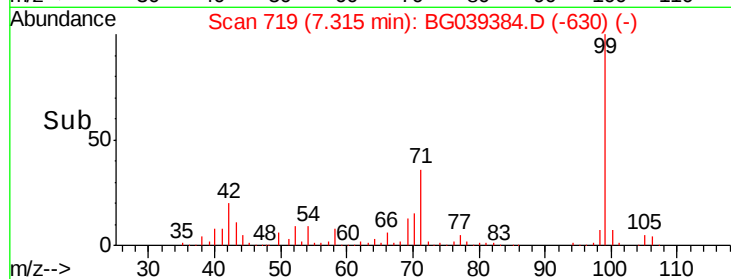
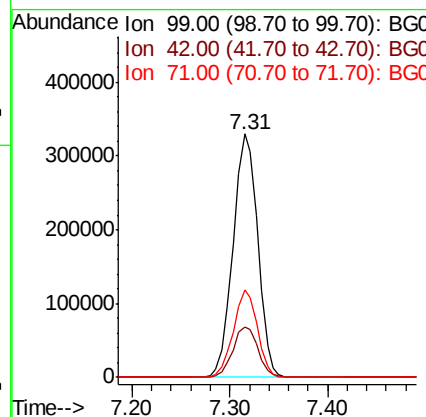
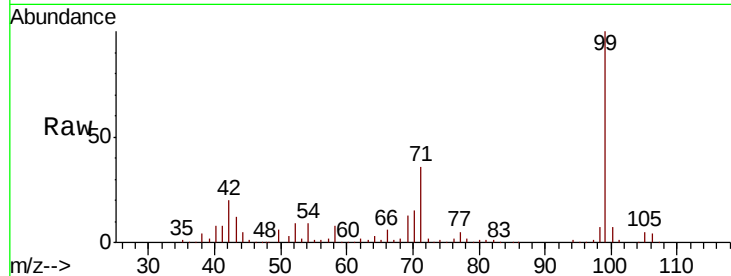
ClientSampleId :

PB116900BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 577234 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 20.5  | 18.2  | 27.2   |
| 71        | 35.7  | 28.0  | 42.0   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 45.304 ng

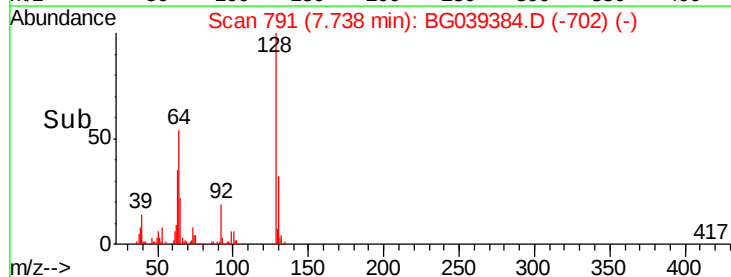
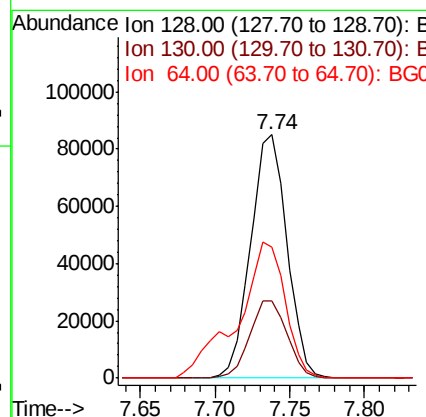
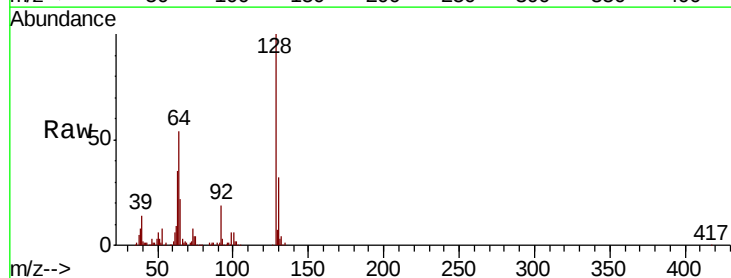
RT: 7.74 min Scan# 791

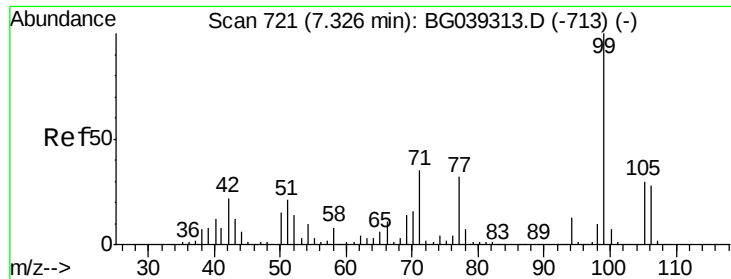
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 143003 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 130       | 31.6  | 12.9  | 52.9   |
| 64        | 54.0  | 38.7  | 78.7   |





#9

Benzaldehyde

Concen: 10.676 ng

RT: 7.31 min Scan# 719

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

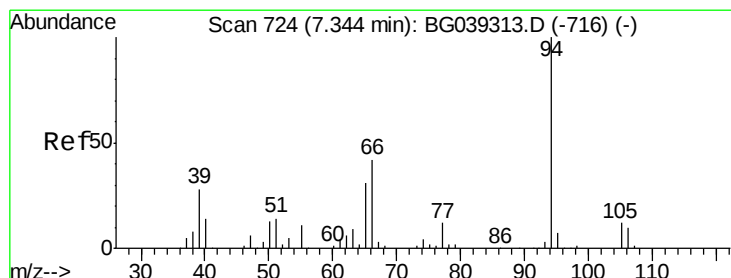
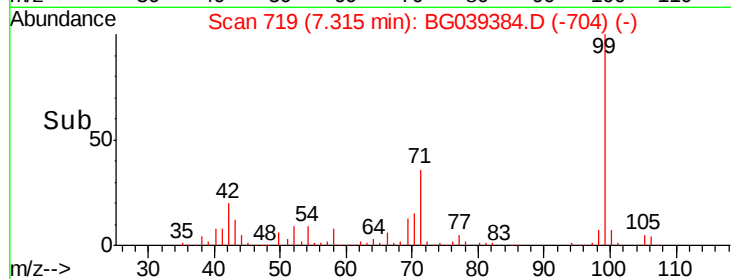
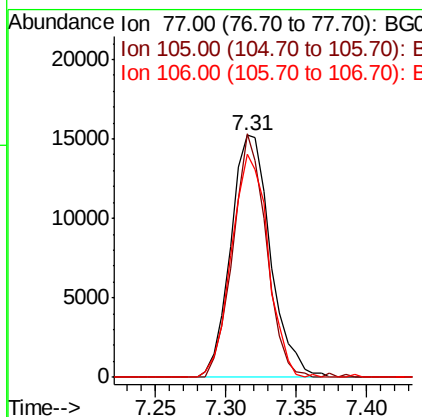
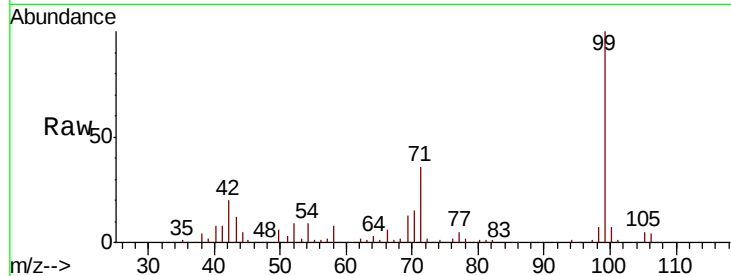
ClientSampleId :

PB116900BS

| Tot Ion | Ion   | Ratio | Lower | Upper |
|---------|-------|-------|-------|-------|
| 77      | 100   |       |       |       |
| 105     | 100.6 | 74.5  | 114.5 |       |
| 106     | 92.3  | 68.0  | 108.0 |       |

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#10

Phenol

Concen: 43.935 ng

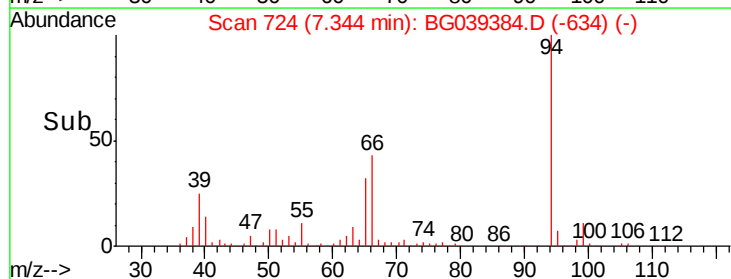
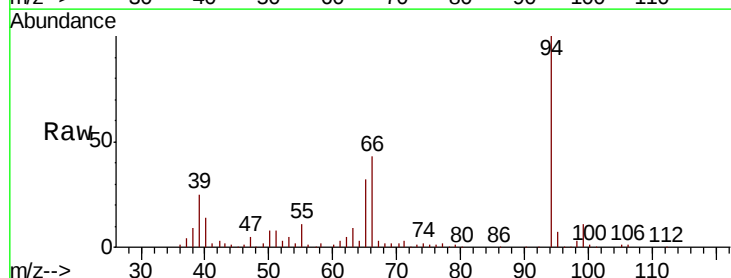
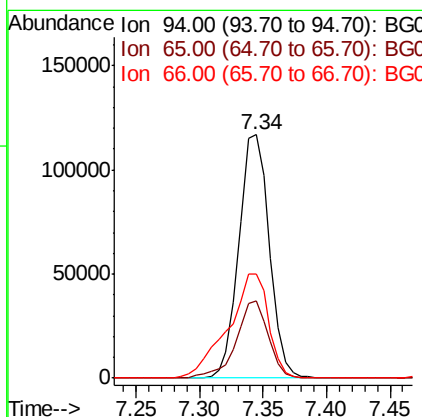
RT: 7.34 min Scan# 724

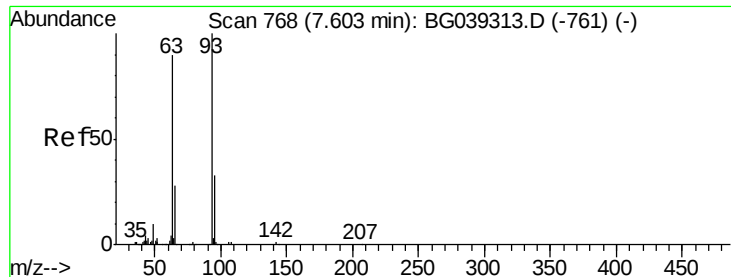
Delta R.T. 0.00 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 94      | 100  |       |       |       |
| 65      | 31.6 | 11.7  | 51.7  |       |
| 66      | 42.9 | 23.7  | 63.7  |       |





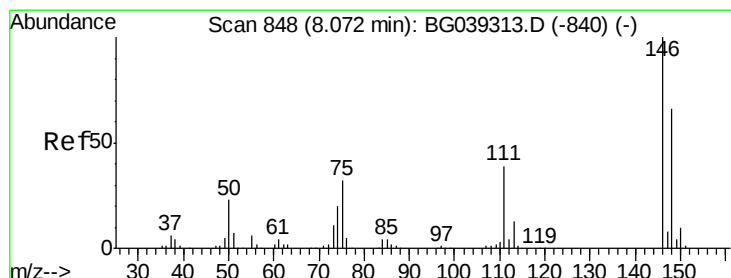
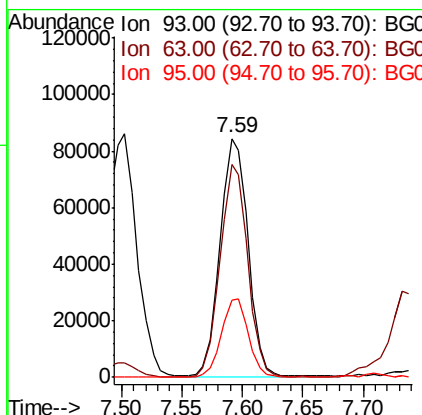
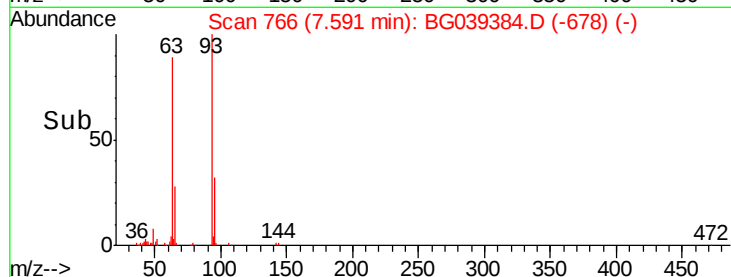
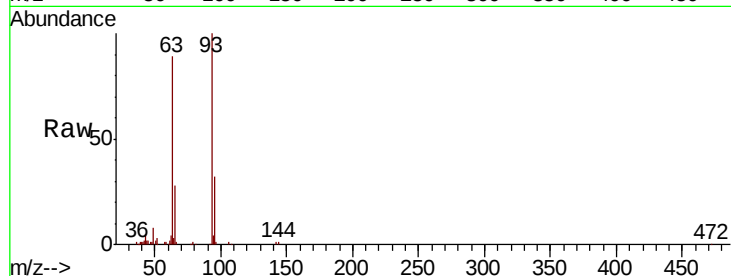
#11  
bis(2-Chloroethyl)ether  
Concen: 38.946 ng  
RT: 7.59 min Scan# 766  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 93    | Resp: | 136359 |
| Ion      | Ratio | Lower | Upper  |
| 93       | 100   |       |        |
| 63       | 89.0  | 69.5  | 109.5  |
| 95       | 32.2  | 12.7  | 52.7   |

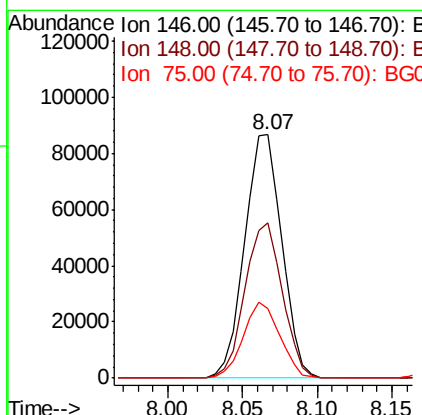
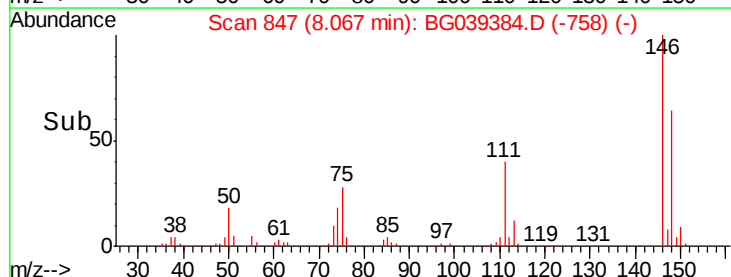
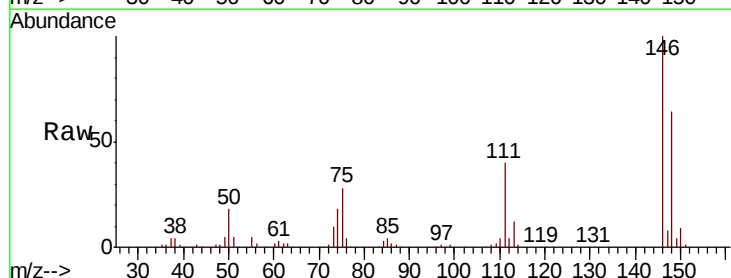
Manual Integrations  
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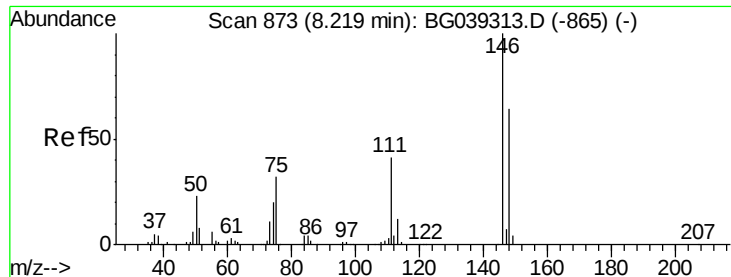
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#12  
1,3-Dichlorobenzene  
Concen: 38.997 ng  
RT: 8.07 min Scan# 847  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 149119 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 148      | 63.6  | 52.6  | 79.0   |
| 75       | 28.4  | 25.8  | 38.6   |





#13

1,4-Dichlorobenzene

Concen: 40.199 ng

RT: 8.21 min Scan# 872

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

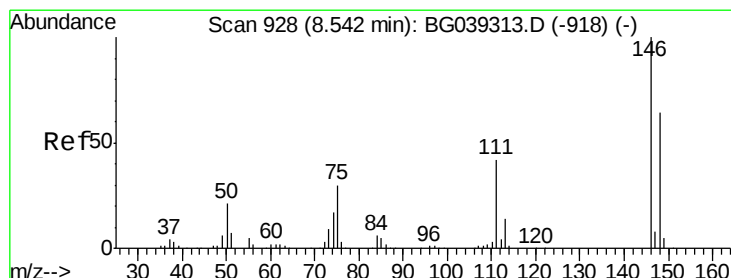
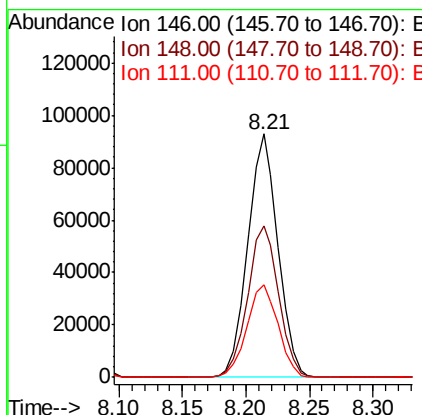
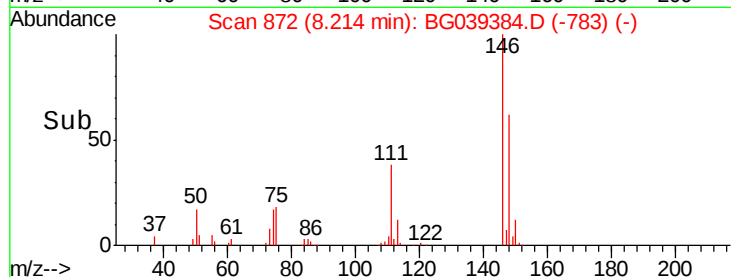
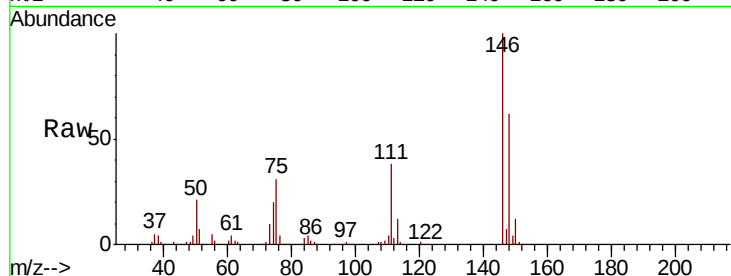
ClientSampleId :

PB116900BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 153211 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 62.0  | 51.1  | 76.7   |
| 111       | 38.1  | 32.6  | 48.8   |

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#14

1,2-Dichlorobenzene

Concen: 39.479 ng

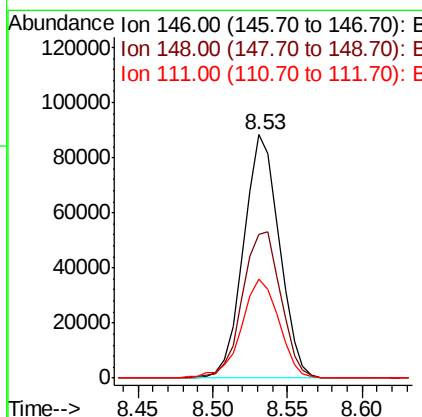
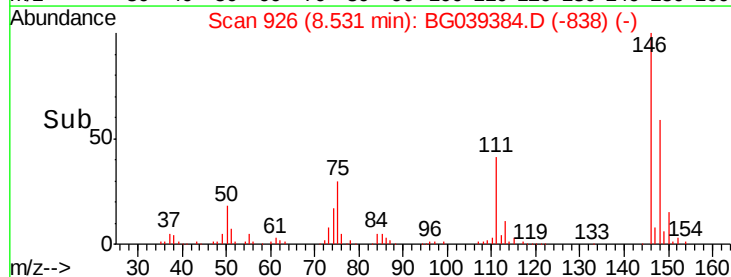
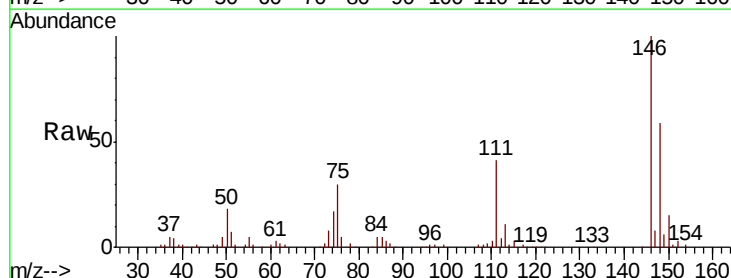
RT: 8.53 min Scan# 926

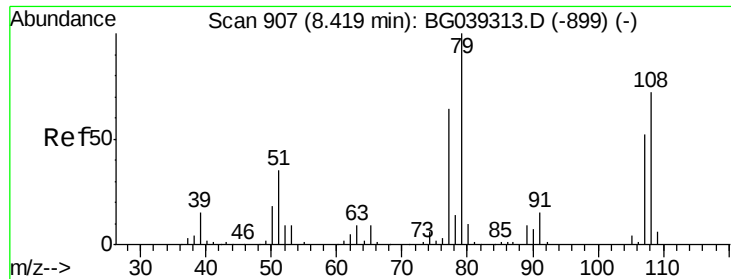
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 146   | Resp: | 145662 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 148       | 59.1  | 51.5  | 77.3   |
| 111       | 40.7  | 33.8  | 50.6   |





#15

Benzyl Alcohol

Concen: 39.895 ng

RT: 8.41 min Scan# 906

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

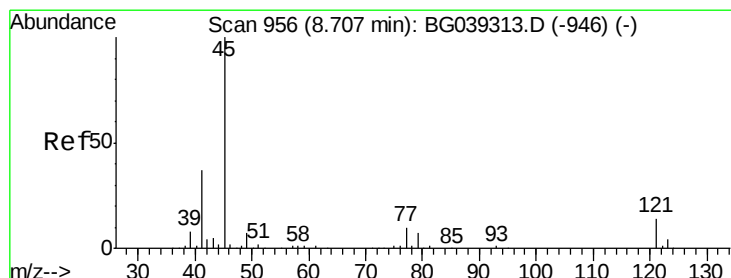
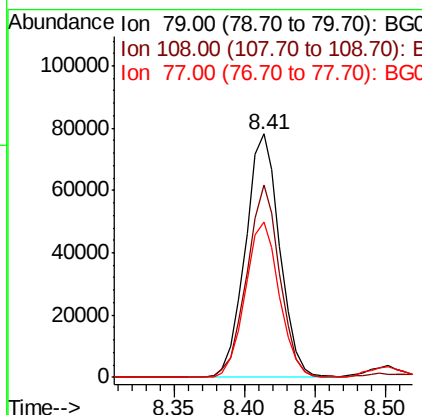
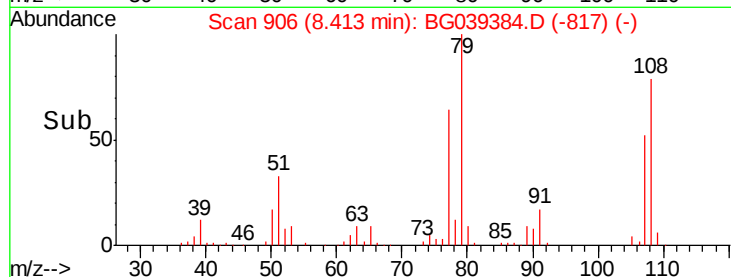
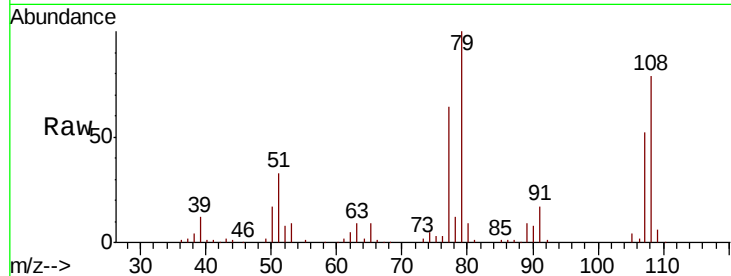
ClientSampled :

PB116900BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 133131 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 78.8  | 57.8  | 86.6   |
| 77        | 64.0  | 51.1  | 76.7   |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 34.387 ng

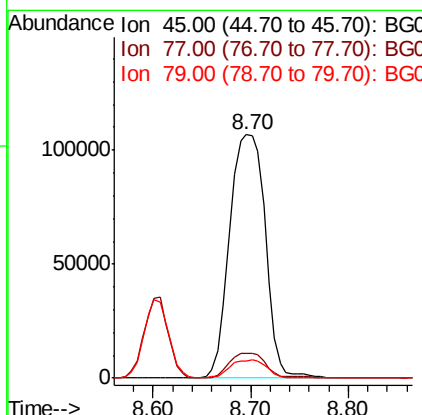
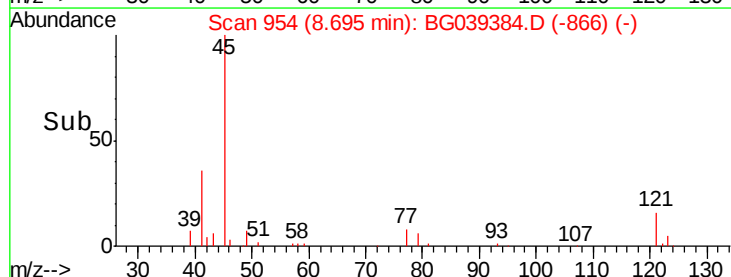
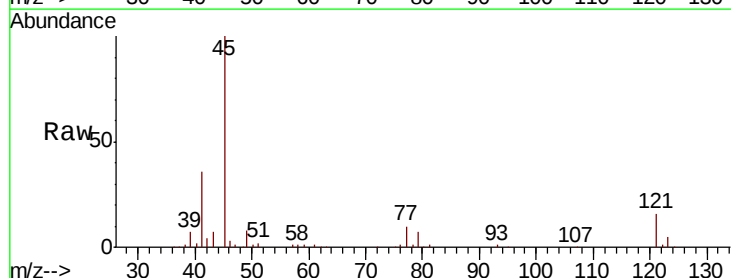
RT: 8.70 min Scan# 954

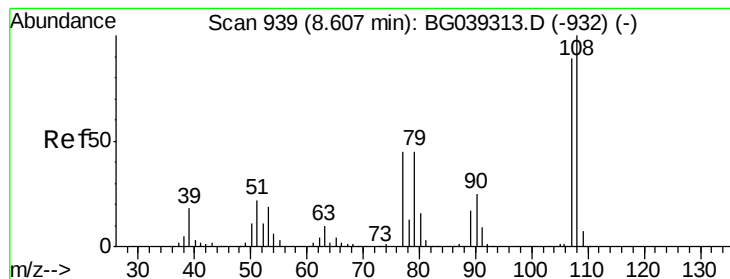
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 271887 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 9.9   | 0.0   | 30.0   |
| 79        | 6.8   | 0.0   | 27.5   |





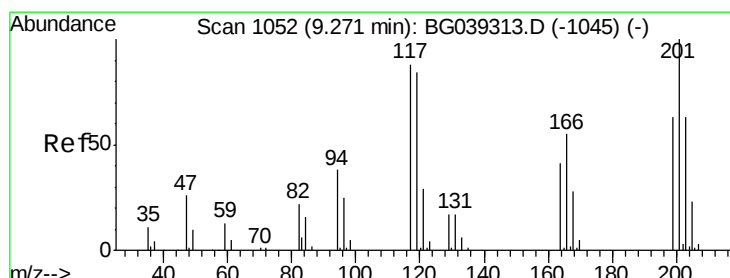
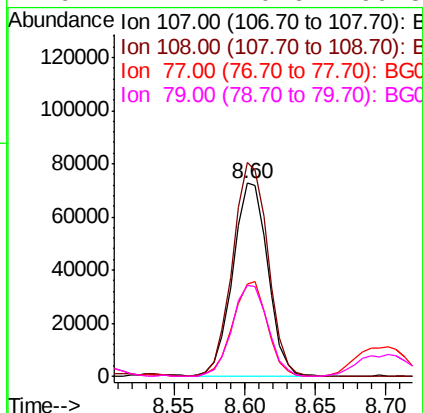
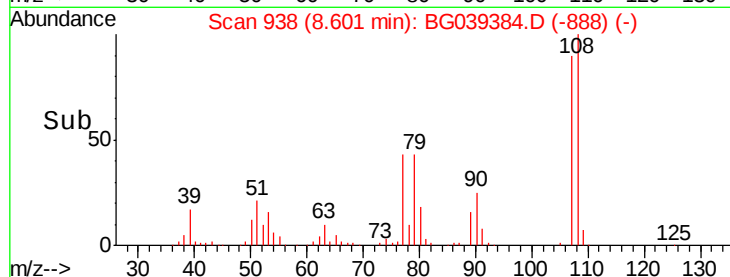
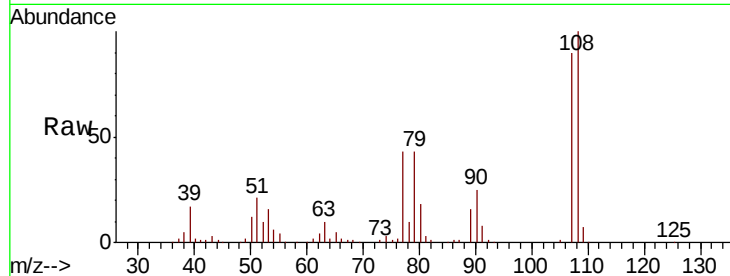
#17  
2-Methylphenol  
Concen: 43.949 ng  
RT: 8.60 min Scan# 938  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 110.7 | 90.8 | 136.2 |       |
| 77      | 47.9  | 40.7 | 61.1  |       |
| 79      | 47.4  | 40.6 | 60.8  |       |

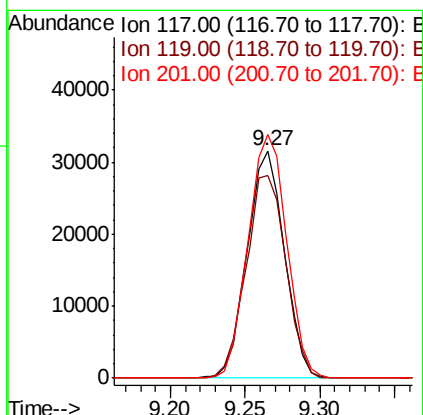
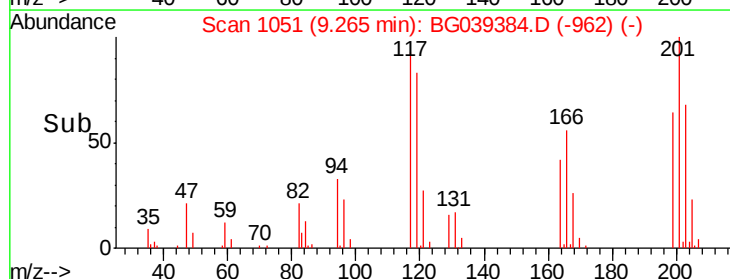
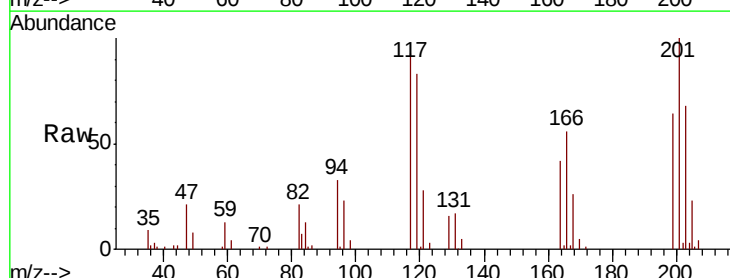
Manual Integrations  
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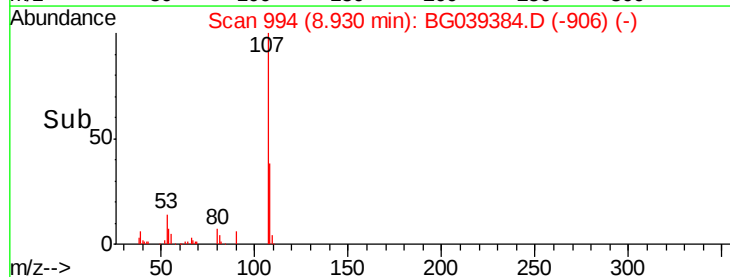
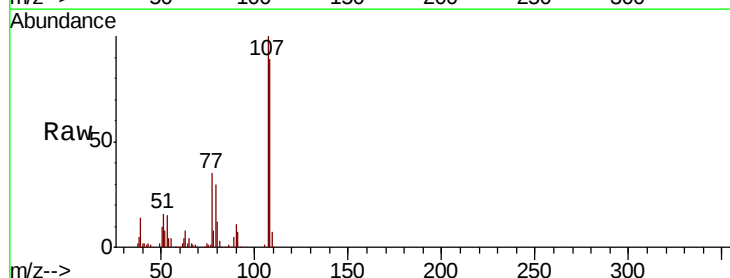
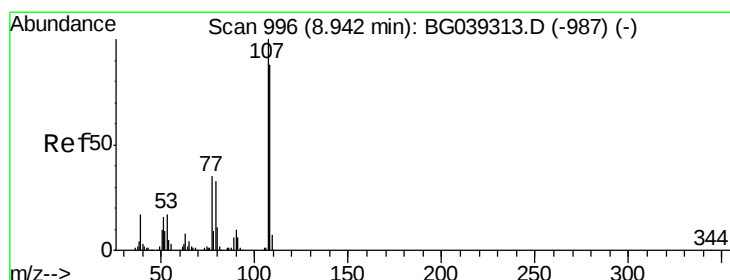
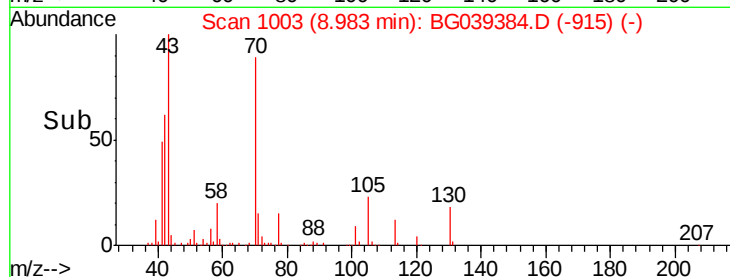
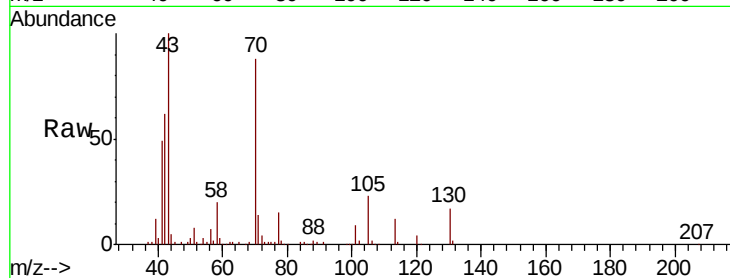
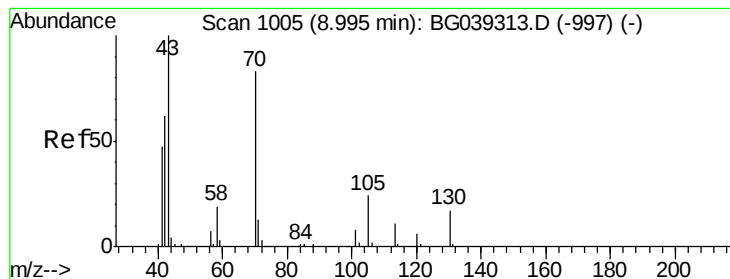
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#18  
Hexachloroethane  
Concen: 41.460 ng  
RT: 9.27 min Scan# 1051  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 117     | 100   |      |       |       |
| 119     | 89.0  | 76.3 | 114.5 |       |
| 201     | 107.2 | 91.1 | 136.7 |       |





#19

n-Nitroso-di-n-propylamine

Concen: 36.426 ng

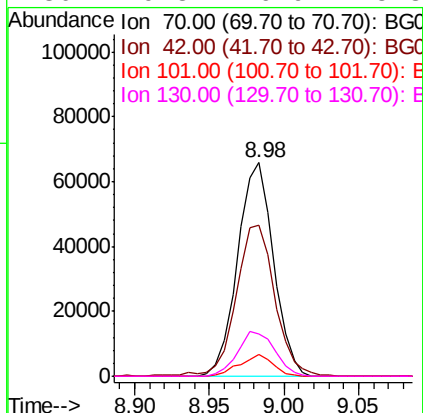
RT: 8.98 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 70      | 100   |      |       |       |
| 42      | 70.9  | 60.4 | 90.6  |       |
| 101     | 10.1  | 7.5  | 11.3  |       |
| 130     | 19.8  | 16.9 | 25.3  |       |



Instrument :

BNA\_G

ClientSampleId :

PB116900BS

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#20

3+4-Methylphenols

Concen: 42.917 ng

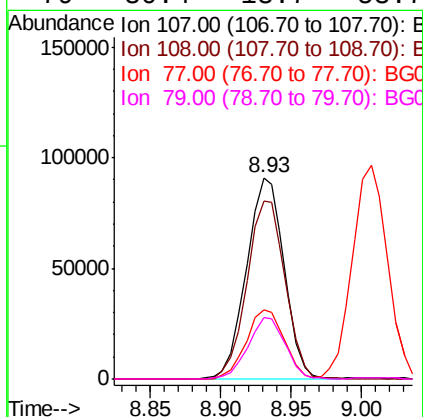
RT: 8.93 min Scan# 994

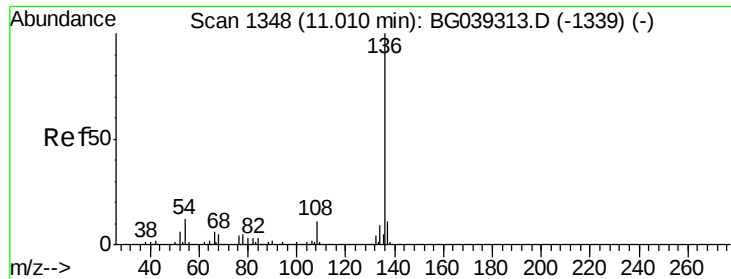
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 107     | 100   |      |       |       |
| 108     | 88.8  | 67.9 | 107.9 |       |
| 77      | 34.7  | 15.4 | 55.4  |       |
| 79      | 30.4  | 13.7 | 53.7  |       |





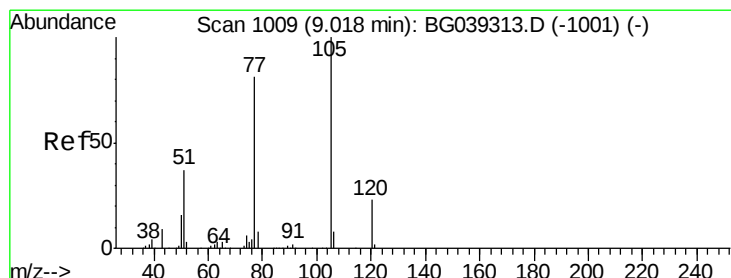
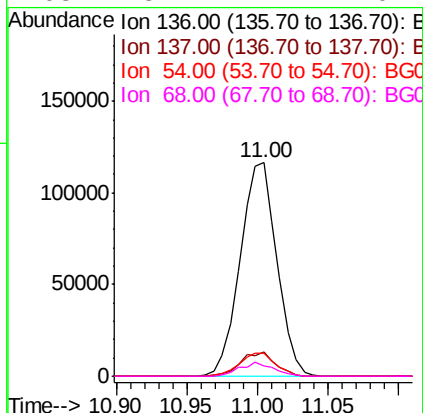
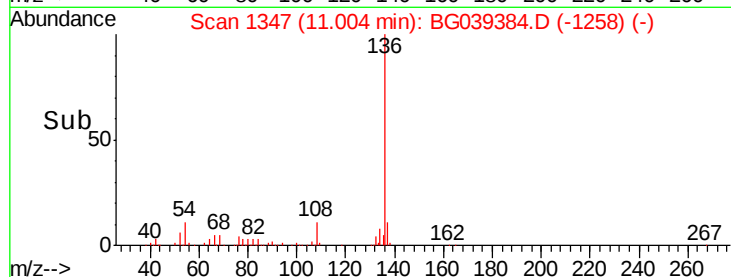
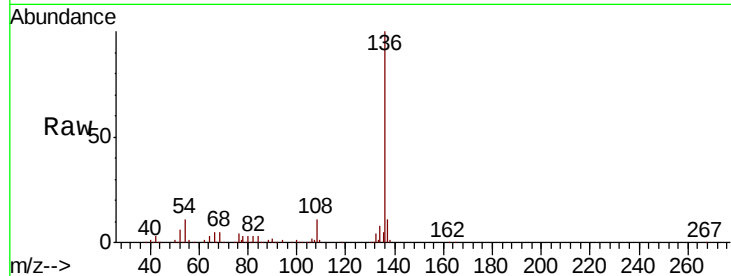
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 11.00 min Scan# 1347  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 136     | 100  |       | 211286 |       |       |
| 137     | 11.5 |       | 9.1    | 13.7  |       |
| 54      | 10.8 |       | 9.4    | 14.2  |       |
| 68      | 5.1  |       | 4.2    | 6.4   |       |

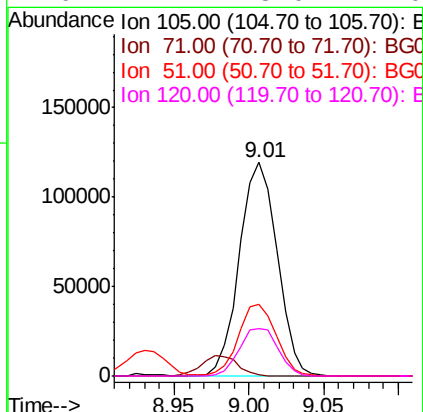
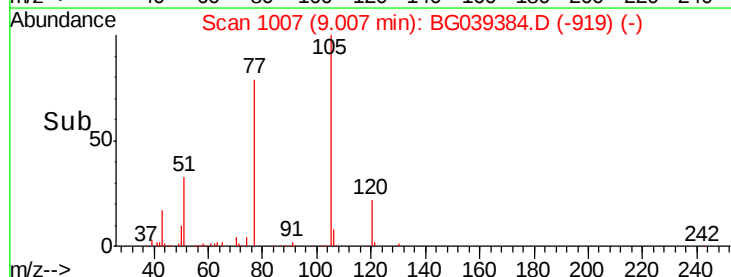
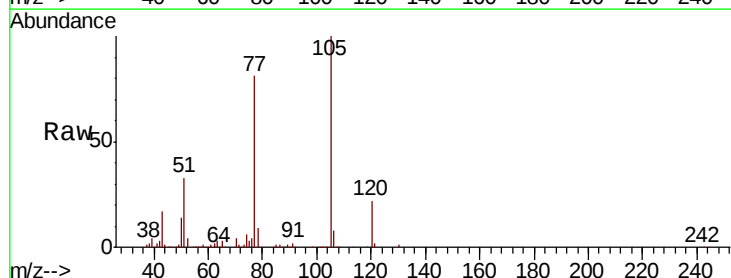
Manual Integrations  
APPROVED

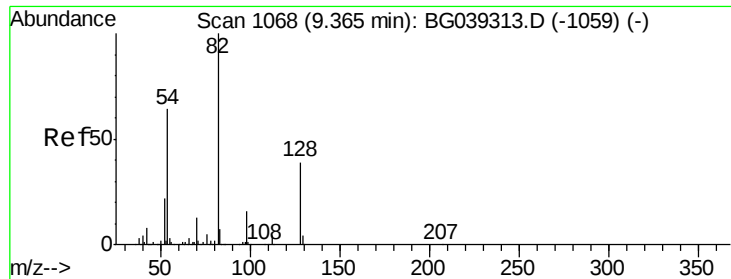
Sohil  
2/11/2019 5:04:14 PM



#22  
Acetophenone  
Concen: 36.904 ng  
RT: 9.01 min Scan# 1007  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 105     | 100  |       | 209446 |       |       |
| 71      | 0.8  |       | 0.8    | 1.2#  |       |
| 51      | 33.5 |       | 30.2   | 45.2  |       |
| 120     | 22.2 |       | 18.0   | 27.0  |       |





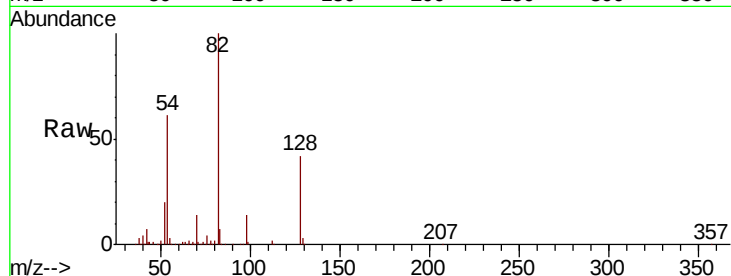
#23  
Nitrobenzene-d5  
Concen: 91.465 ng  
RT: 9.35 min Scan# 1066  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 82      | 100   |      |       |       |
| 128     | 42.4  | 31.3 | 46.9  |       |
| 54      | 60.9  | 50.9 | 76.3  |       |

Manual Integrations  
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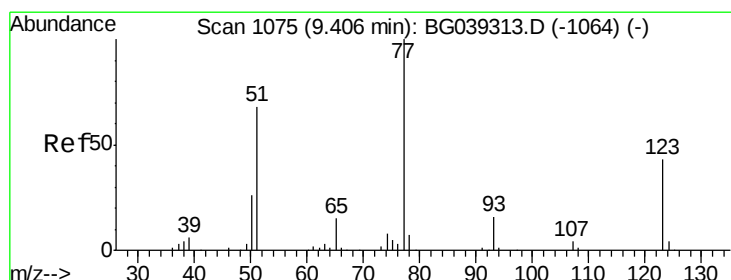
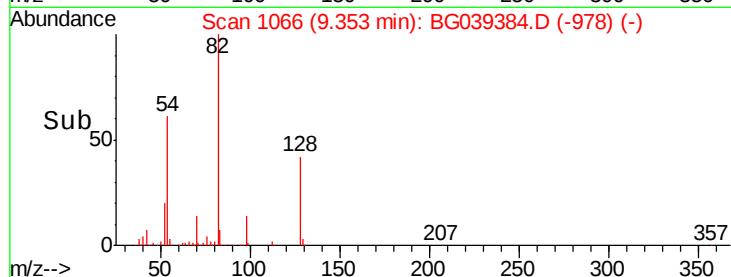
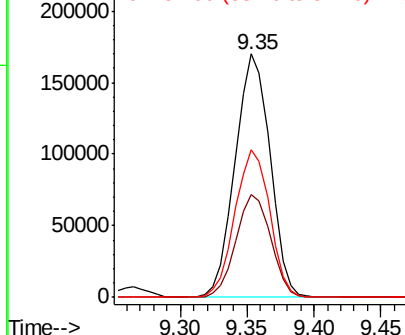


Abundance

Ion 82.00 (81.70 to 82.70): BGC

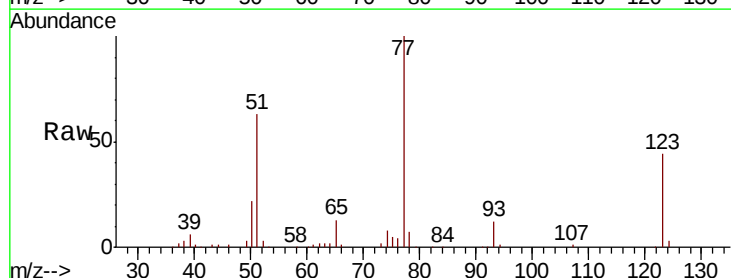
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#24  
Nitrobenzene  
Concen: 45.061 ng  
RT: 9.40 min Scan# 1074  
Delta R.T. -0.00 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 77      | 100   |      |       |       |
| 123     | 43.8  | 34.1 | 51.1  |       |
| 65      | 13.1  | 12.3 | 18.5  |       |

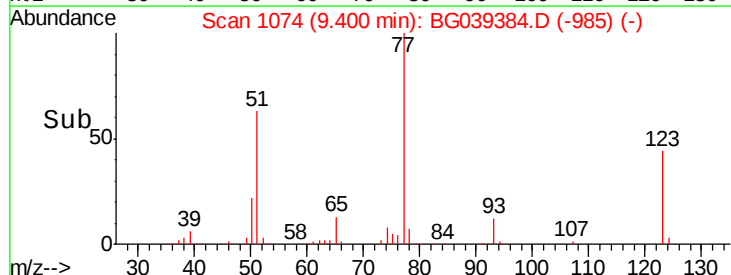
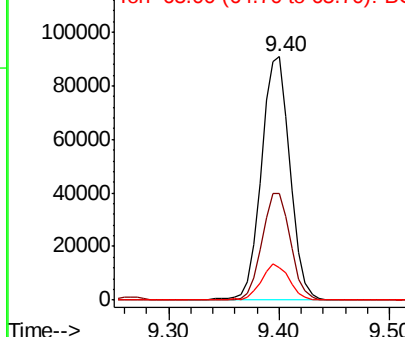


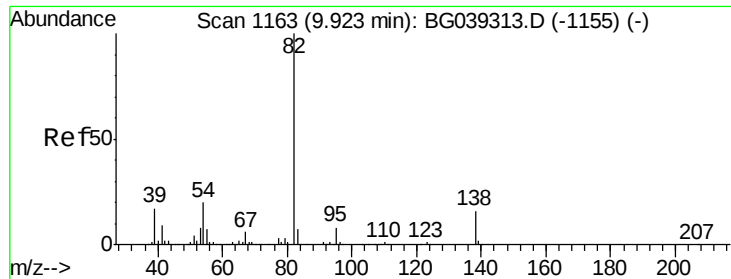
Abundance

Ion 77.00 (76.70 to 77.70): BGC

Ion 123.00 (122.70 to 123.70): BGC

Ion 65.00 (64.70 to 65.70): BGC





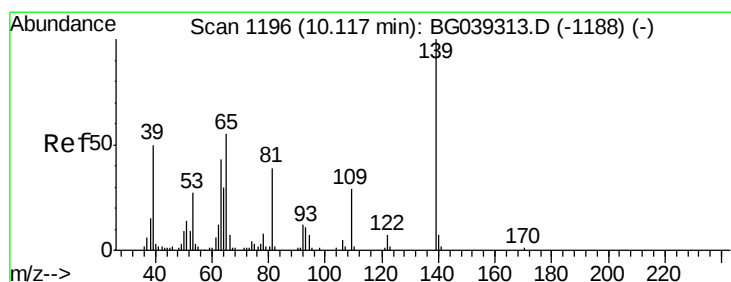
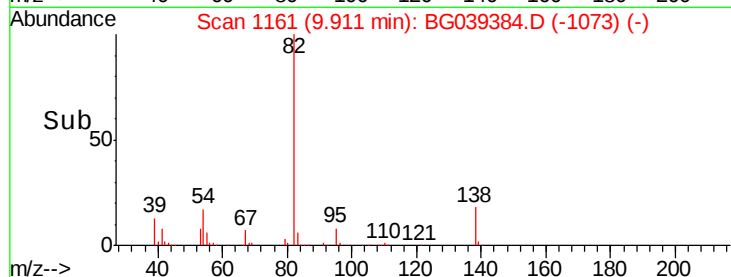
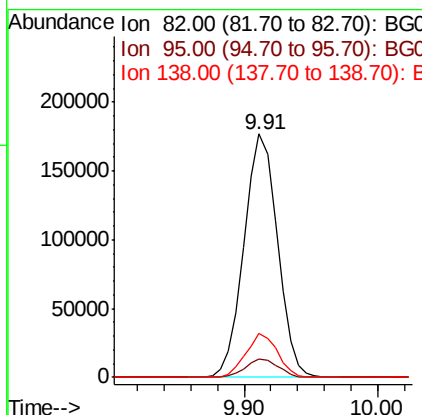
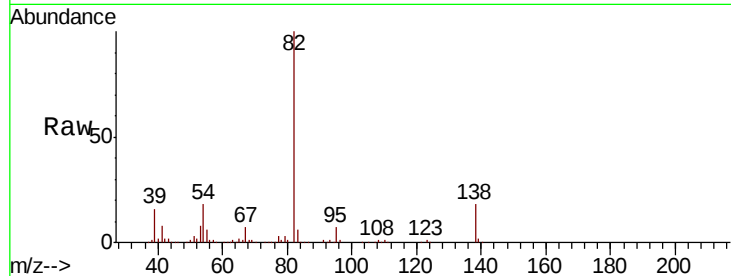
#25  
Isophorone  
Concen: 40.802 ng  
RT: 9.91 min Scan# 1161  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 305800 |       |       |
| 95      | 7.5   | 6.2    | 9.2   |       |
| 138     | 17.9  | 13.0   | 19.4  |       |

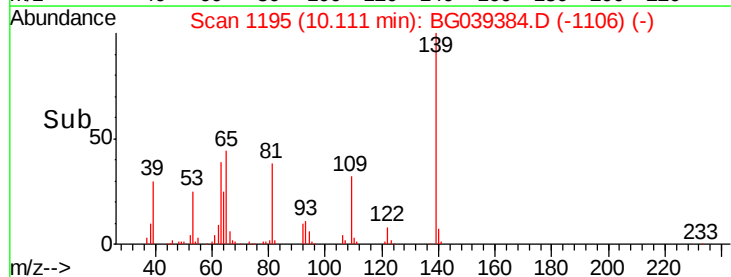
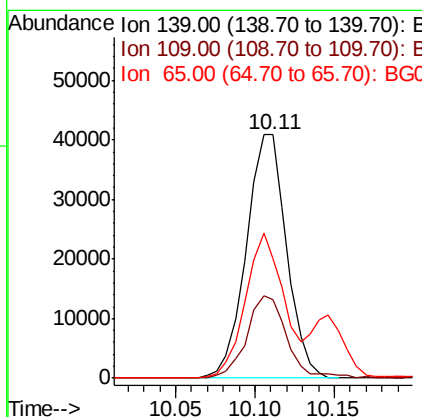
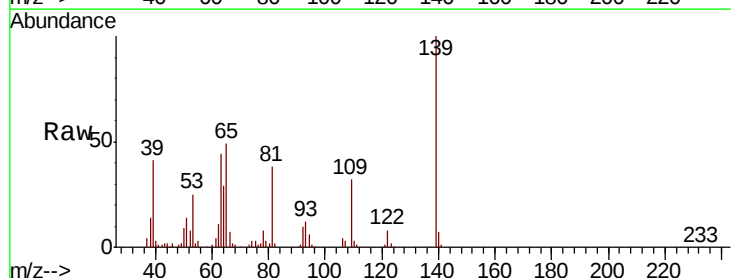
Manual Integrations  
APPROVED

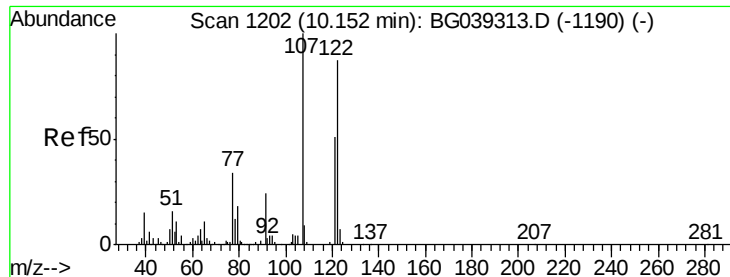
Sohil  
2/11/2019 5:04:14 PM



#26  
2-Nitrophenol  
Concen: 49.814 ng  
RT: 10.11 min Scan# 1195  
Delta R.T. -0.00 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 139     | 100   | 72101 |       |       |
| 109     | 32.4  | 23.4  | 35.0  |       |
| 65      | 48.9  | 44.3  | 66.5  |       |





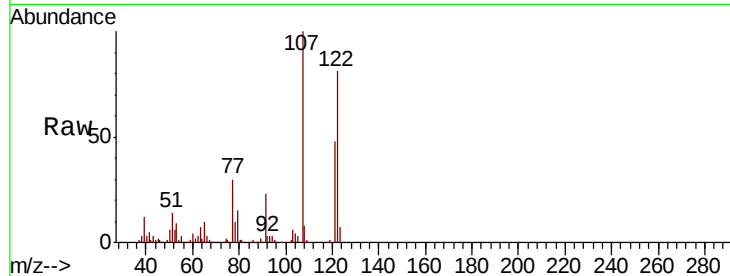
#27  
 2,4-Dimethylphenol  
 Concen: 48.260 ng  
 RT: 10.15 min Scan# 1201  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB116900BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 122     | 100   | 146314 |       |       |
| 107     | 122.8 | 91.7   | 137.5 |       |
| 121     | 58.5  | 46.4   | 69.6  |       |

Manual Integrations  
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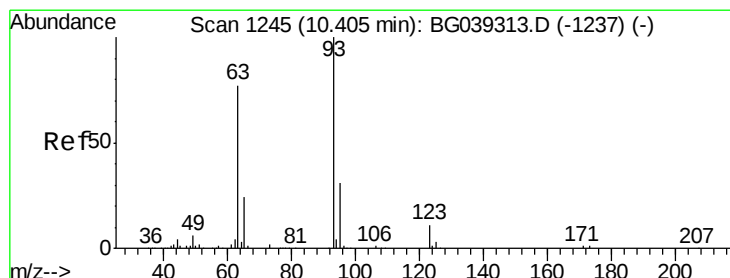
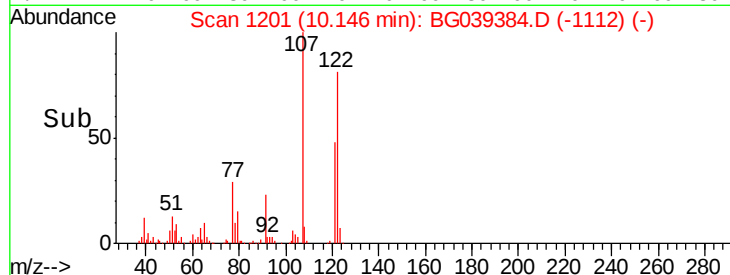
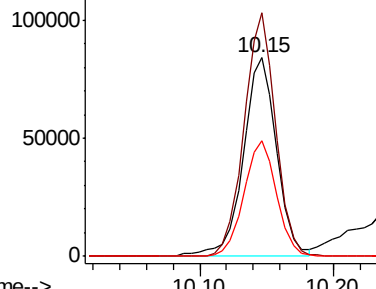


Abundance

Ion 122.00 (121.70 to 122.70): E

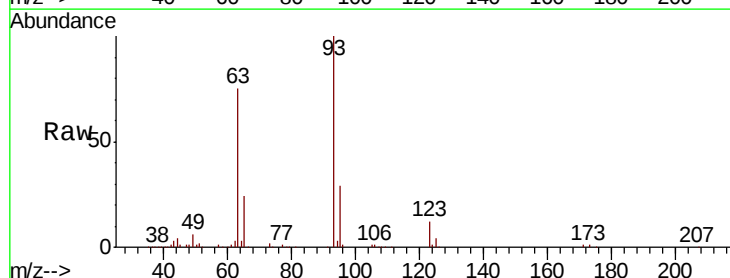
Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28  
 bis(2-Chloroethoxy)methane  
 Concen: 41.495 ng  
 RT: 10.39 min Scan# 1243  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 93      | 100   | 191553 |       |       |
| 95      | 29.0  | 25.0   | 37.4  |       |
| 123     | 11.7  | 8.6    | 12.8  |       |

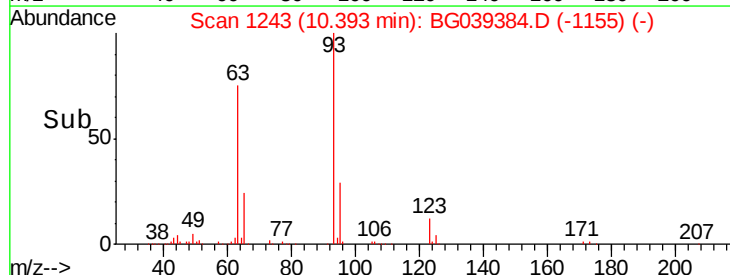
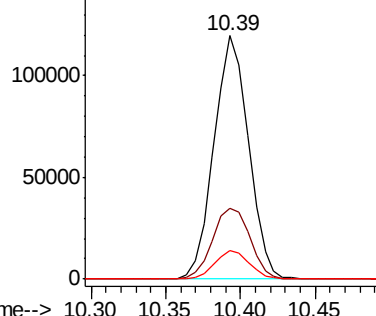


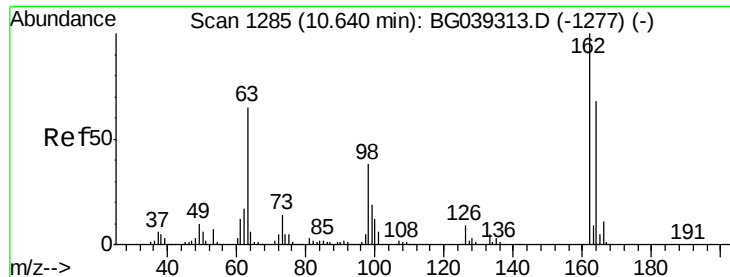
Abundance

Ion 93.00 (92.70 to 93.70): BGC

Ion 95.00 (94.70 to 95.70): BGC

Ion 123.00 (122.70 to 123.70): E





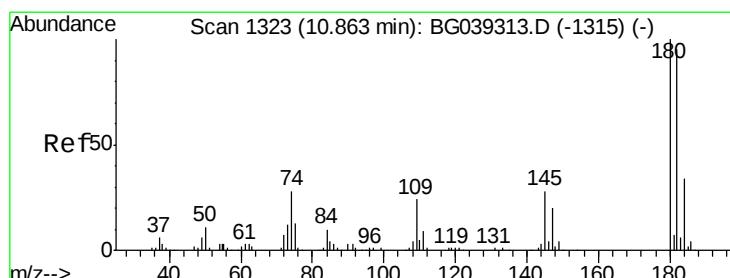
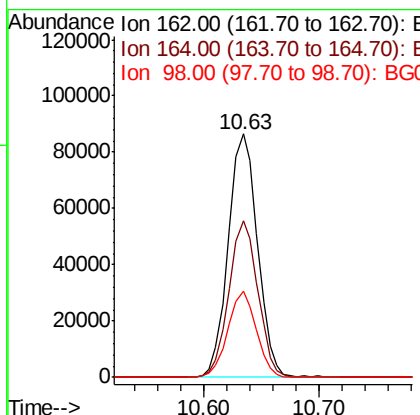
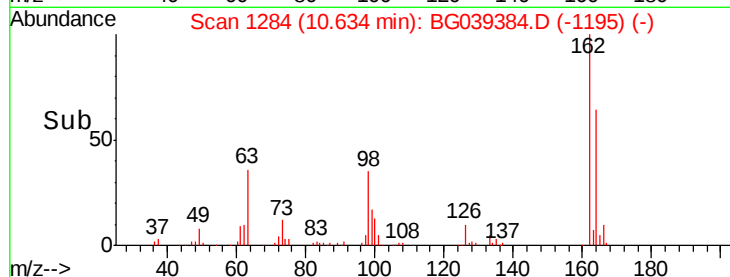
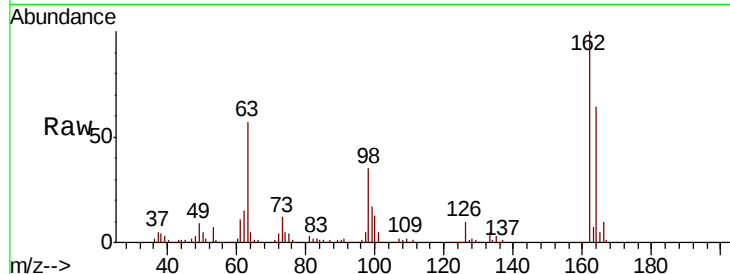
#29  
2,4-Dichlorophenol  
Concen: 45.940 ng  
RT: 10.63 min Scan# 1284  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.2  | 48.1  | 88.1  |
| 98      | 35.1  | 18.1  | 58.1  |

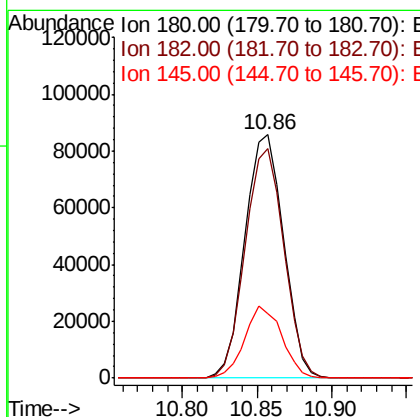
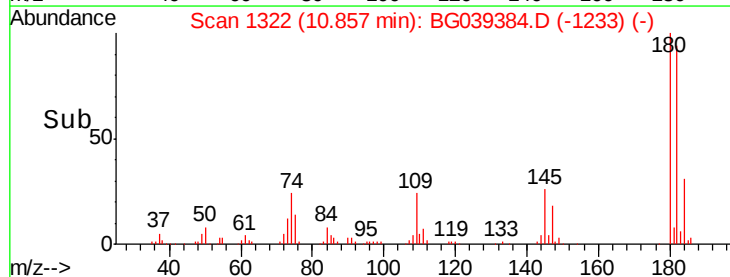
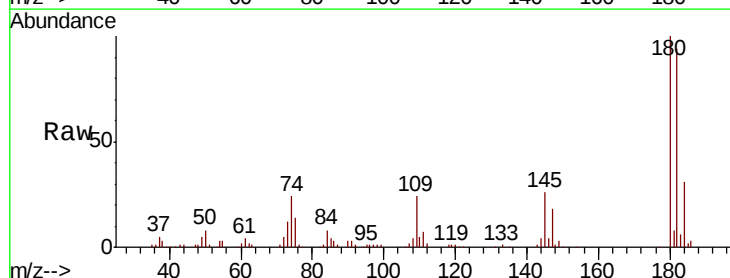
Manual Integrations  
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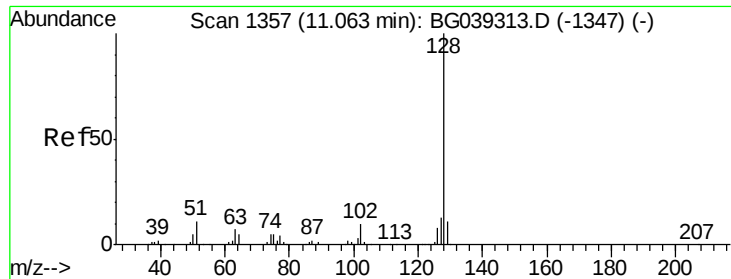
Sohil  
2/11/2019 5:04:14 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 41.429 ng  
RT: 10.86 min Scan# 1322  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.2  | 76.0  | 114.0 |
| 145     | 26.5  | 22.7  | 34.1  |





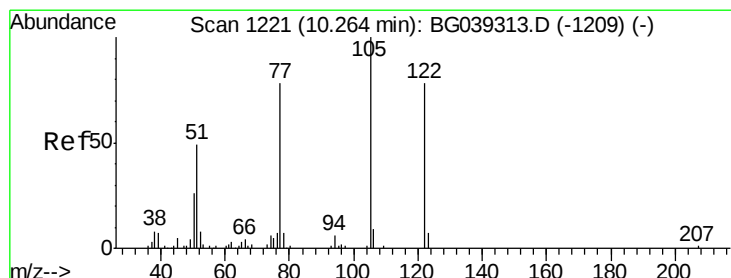
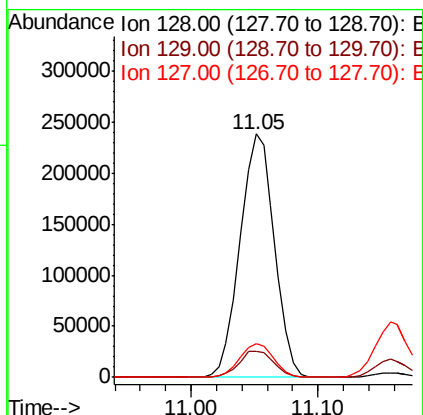
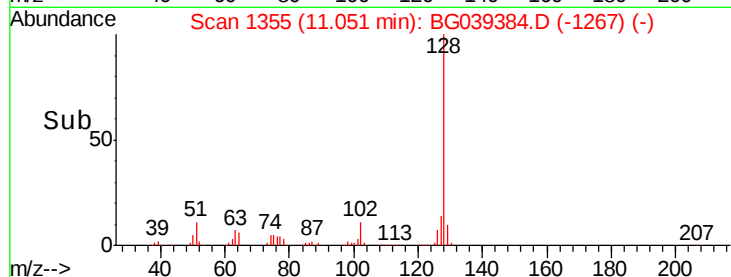
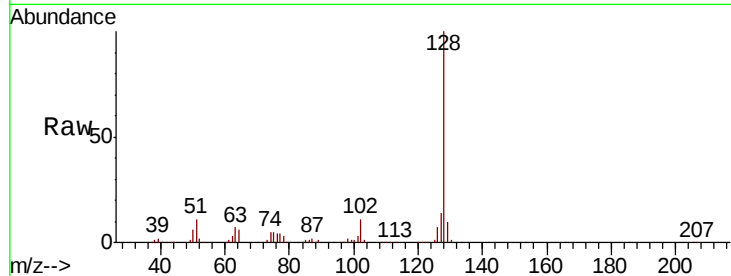
#31  
Naphthalene  
Concen: 42.563 ng  
RT: 11.05 min Scan# 1355  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.5  | 8.7   | 13.1  |
| 127     | 13.7  | 10.8  | 16.2  |

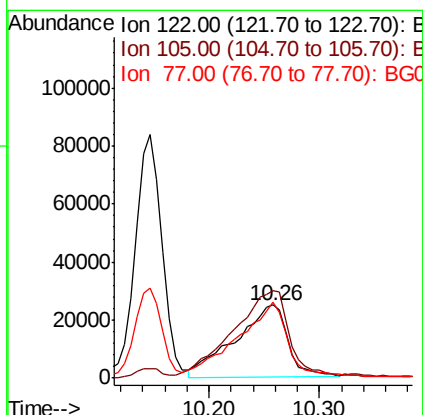
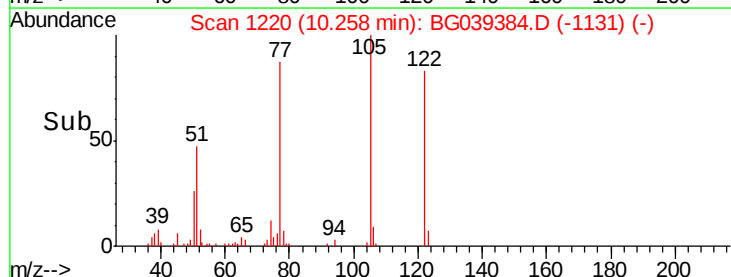
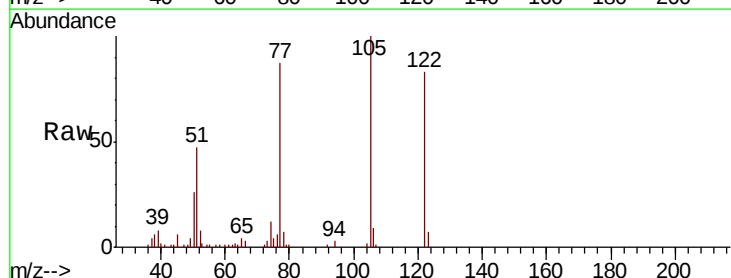
Manual Integrations  
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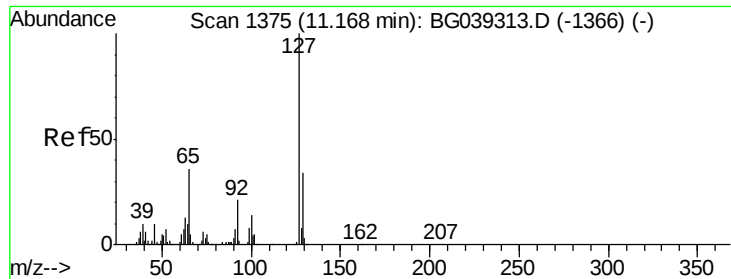
Sohil  
2/11/2019 5:04:14 PM



#32  
Benzoic acid  
Concen: 42.316 ng  
RT: 10.26 min Scan# 1220  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 120.5 | 101.8 | 141.8 |
| 77      | 104.9 | 76.3  | 116.3 |





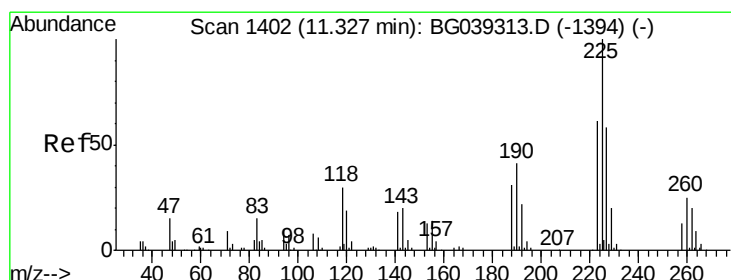
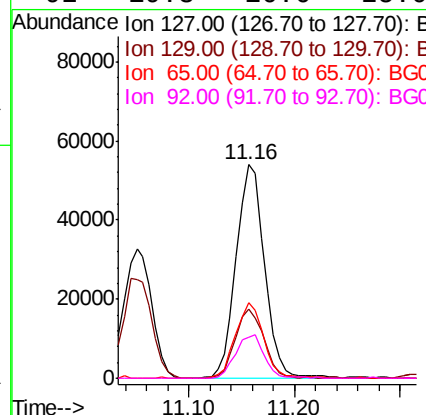
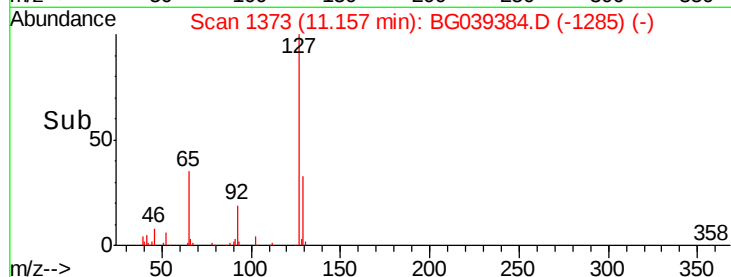
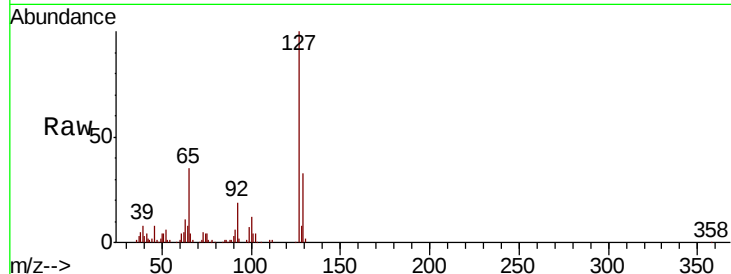
#33  
4-Chloroaniline  
Concen: 20.689 ng  
RT: 11.16 min Scan# 1373  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 127     | 100  |       |      |       |       |
| 129     | 32.6 | 27.0  | 40.4 |       |       |
| 65      | 35.4 | 28.8  | 43.2 |       |       |
| 92      | 19.3 | 16.6  | 25.0 |       |       |

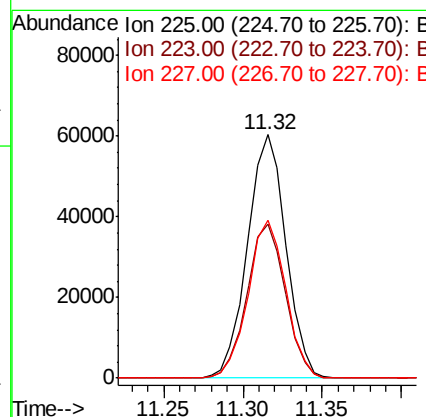
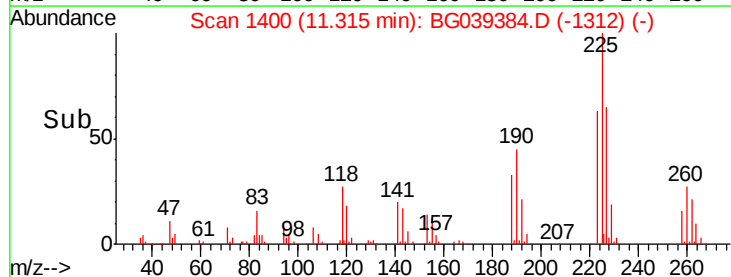
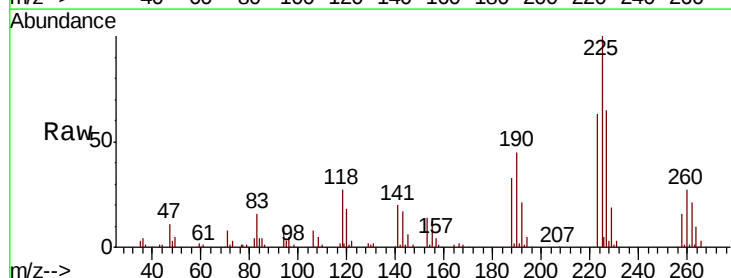
Manual Integrations  
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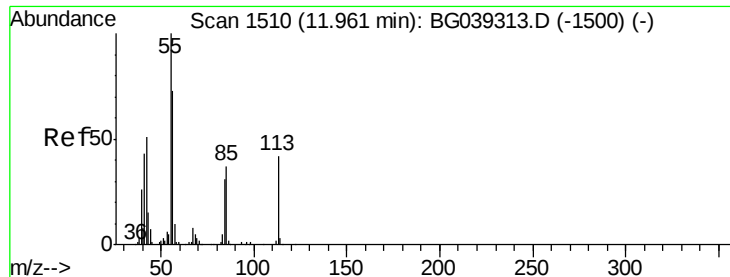
Sohil  
2/11/2019 5:04:14 PM



#34  
Hexachlorobutadiene  
Concen: 41.060 ng  
RT: 11.32 min Scan# 1400  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 225     | 100  |       |      |       |       |
| 223     | 63.0 | 49.0  | 73.6 |       |       |
| 227     | 64.7 | 46.3  | 69.5 |       |       |





#35

Caprolactam

Concen: 36.154 ng/ml

RT: 11.94 min Scan# 1506

Delta R.T. -0.02 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

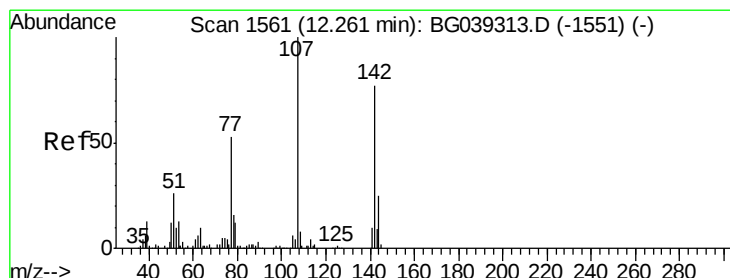
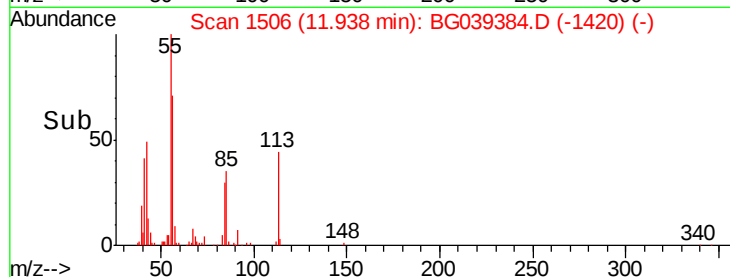
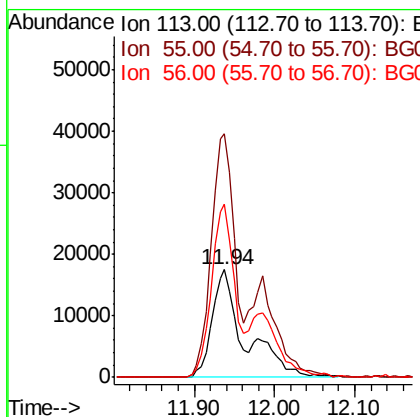
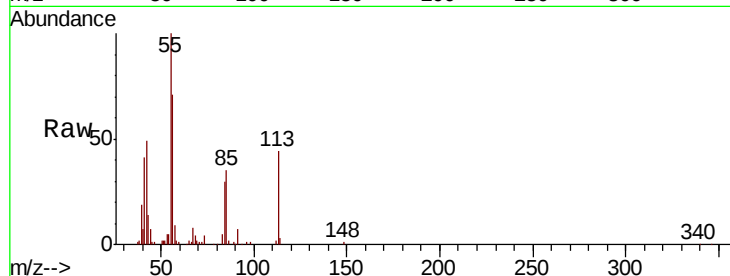
ClientSampled :

PB116900BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 113   | Resp: | 49573 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 55       | 226.3 | 216.9 | 256.9 |
| 56       | 160.8 | 152.6 | 192.6 |

Manual Integrations  
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Sohil  
2/11/2019 5:04:14 PM



#36

4-Chloro-3-methylphenol

Concen: 41.936 ng/ml

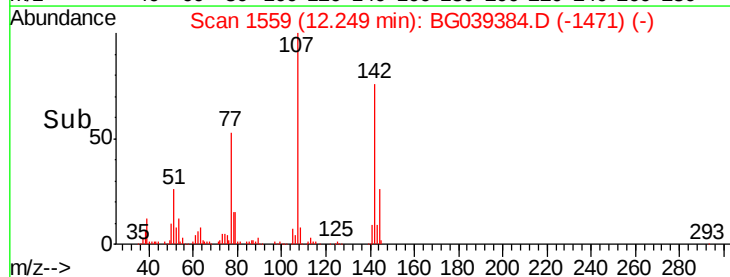
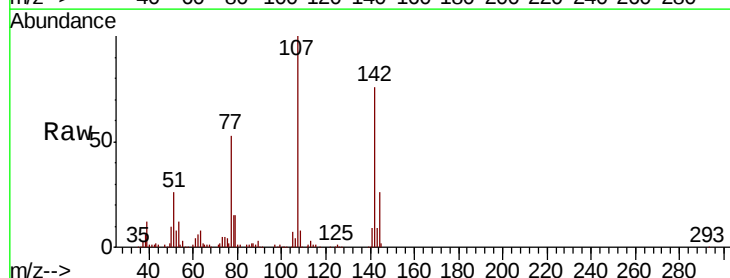
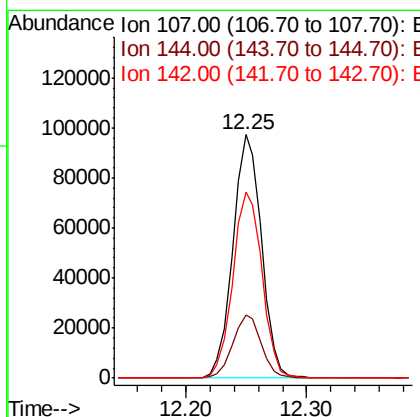
RT: 12.25 min Scan# 1559

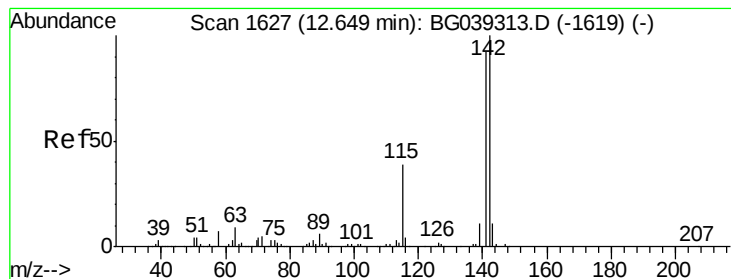
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 160705 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 144      | 26.1  | 20.2  | 30.2   |
| 142      | 76.5  | 61.4  | 92.2   |





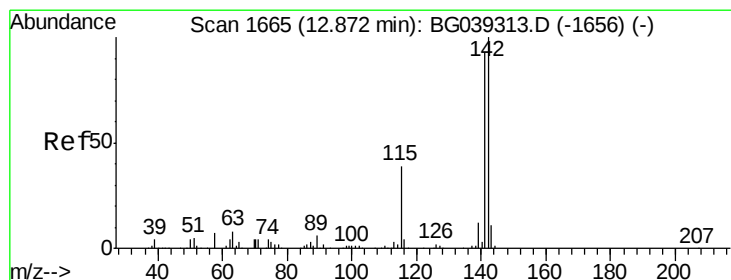
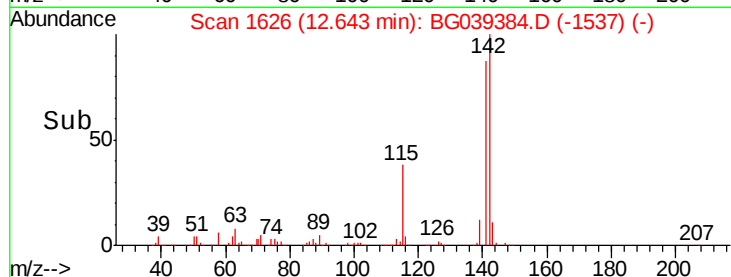
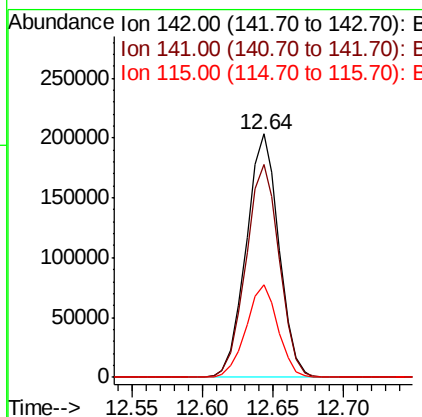
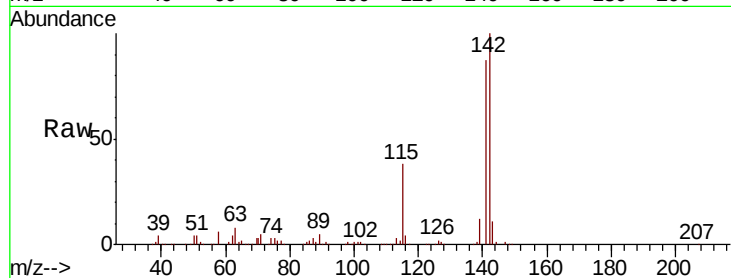
#37  
2-Methylnaphthalene  
Concen: 42.452 ng  
RT: 12.64 min Scan# 1626  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampled :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 87.4  | 73.5  | 110.3 |
| 115     | 37.8  | 30.8  | 46.2  |

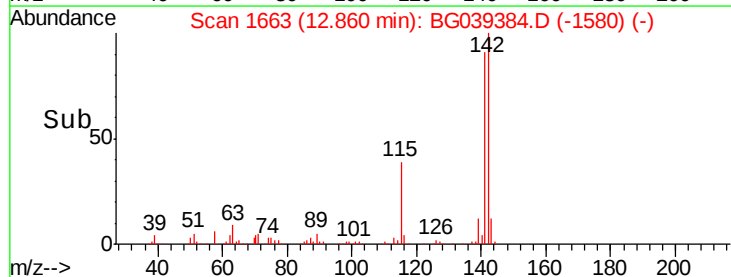
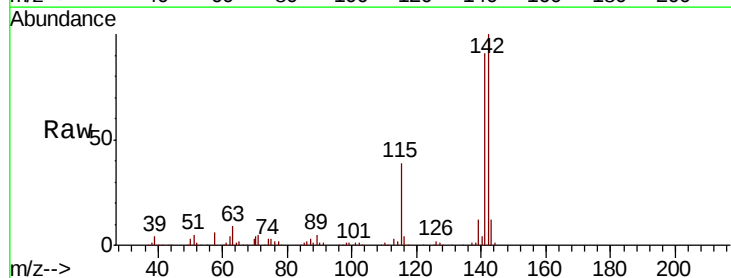
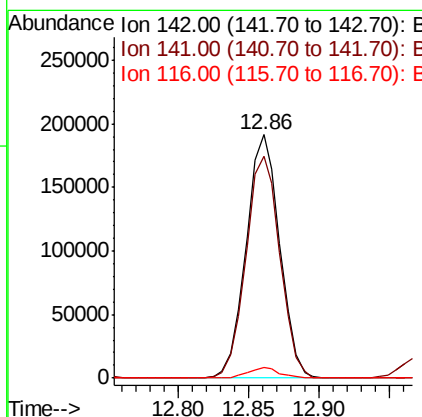
Manual Integrations  
APPROVED

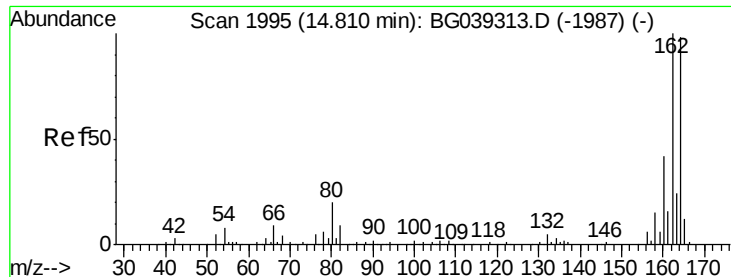
Sohil  
2/11/2019 5:04:14 PM



#38  
1-Methylnaphthalene  
Concen: 42.420 ng  
RT: 12.86 min Scan# 1663  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 91.0  | 74.2  | 111.4 |
| 116     | 4.3   | 3.0   | 4.6   |





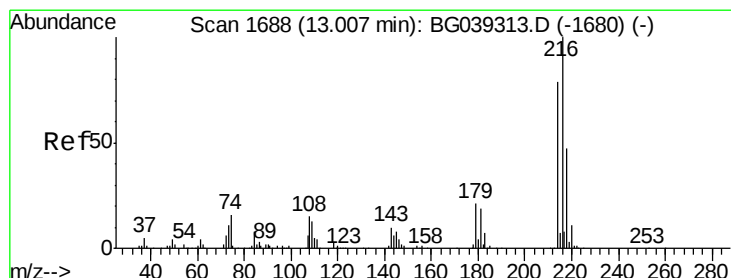
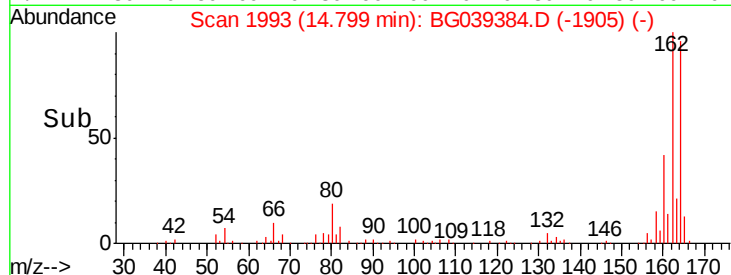
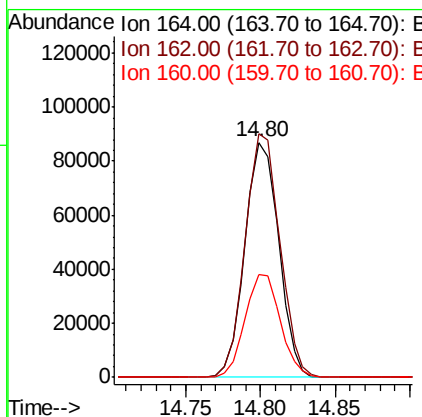
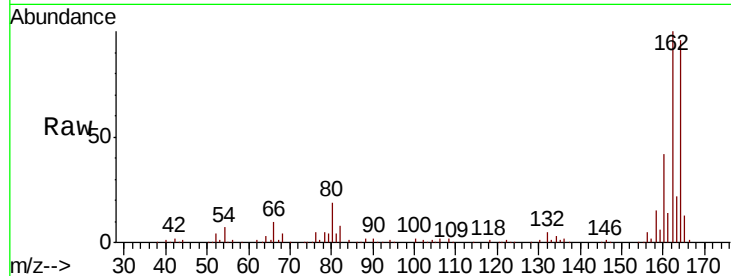
#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.80 min Scan# 1993  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 103.7 | 81.6  | 122.4 |
| 160     | 43.6  | 34.2  | 51.2  |

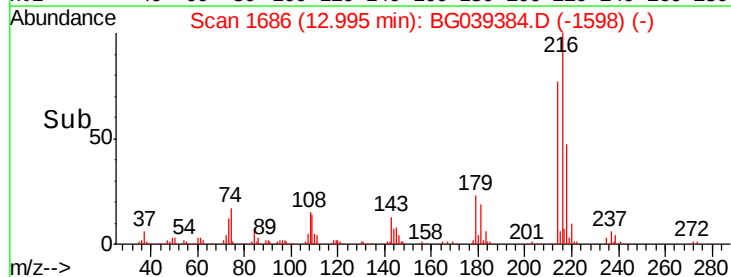
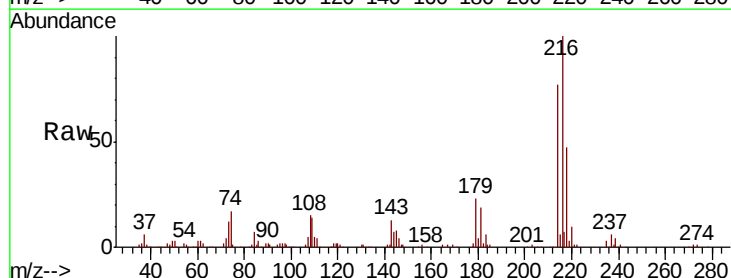
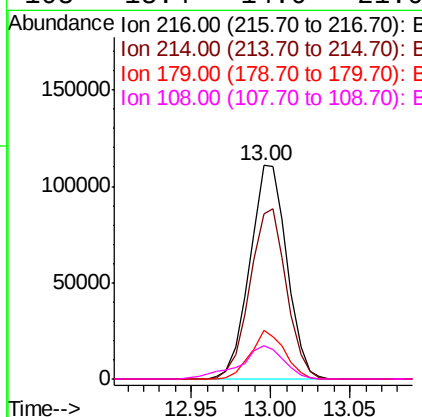
Manual Integrations  
APPROVED

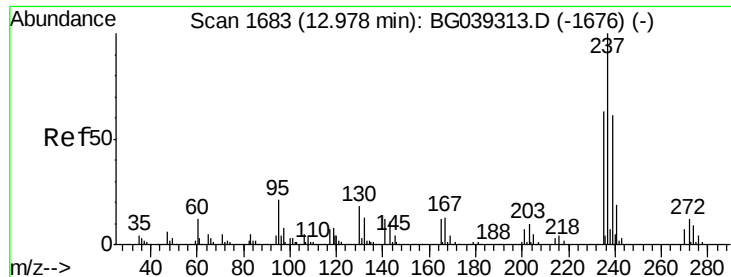
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2/11/2019 5:04:14 PM



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 41.579 ng  
RT: 13.00 min Scan# 1686  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 216     | 100   |       |       |
| 214     | 78.5  | 62.6  | 94.0  |
| 179     | 21.0  | 16.6  | 25.0  |
| 108     | 18.4  | 14.0  | 21.0  |





#41

Hexachlorocyclopentadiene

Concen: 97.771 ng

RT: 12.97 min Scan# 1682

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

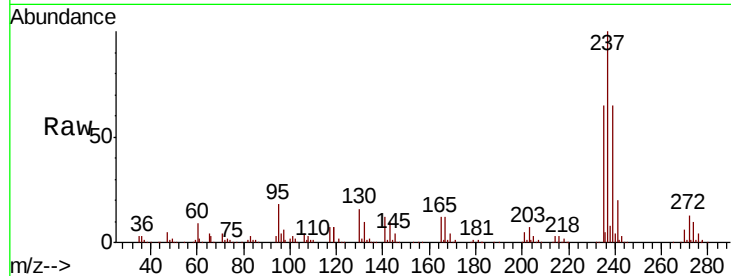
ClientSampleId :

PB116900BS

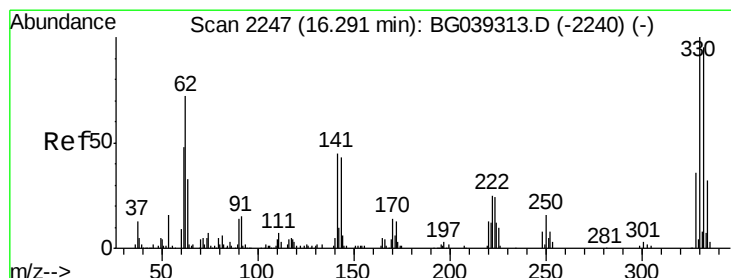
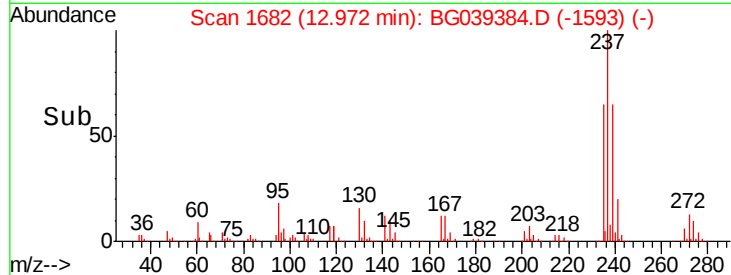
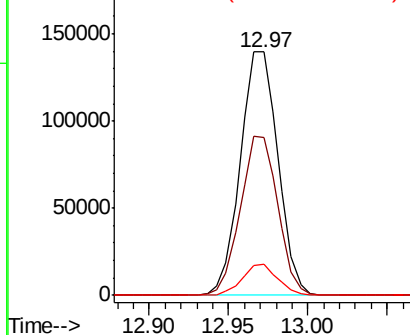
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 230625 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 64.6  | 43.3  | 83.3   |
| 272       | 12.6  | 0.0   | 32.3   |

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



#42

2,4,6-Tribromophenol

Concen: 141.809 ng

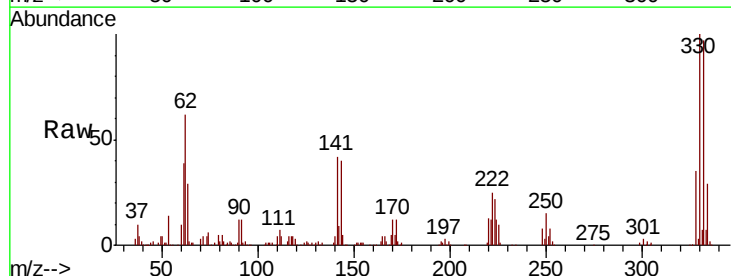
RT: 16.29 min Scan# 2246

Delta R.T. -0.01 min

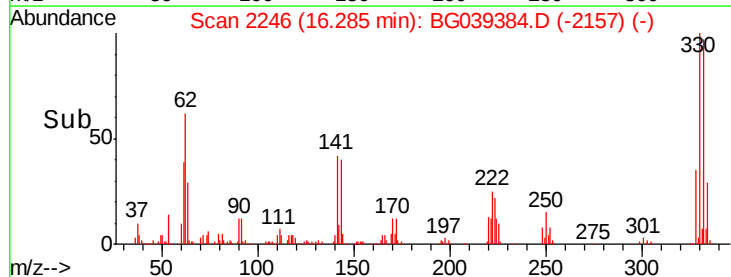
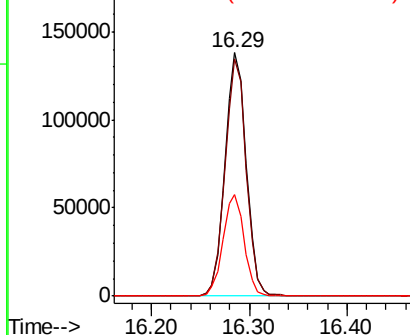
Lab File: BG039384.D

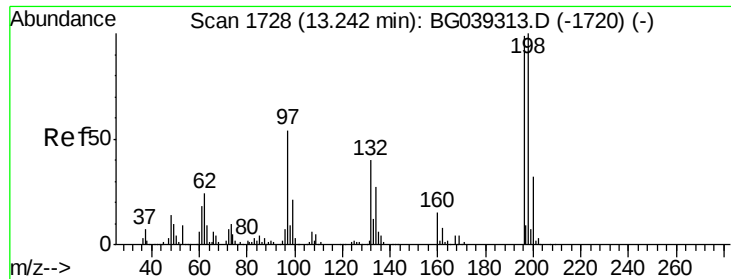
Acq: 7 Feb 2019 15:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 207757 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.3  | 75.7  | 113.5  |
| 141       | 41.6  | 35.6  | 53.4   |



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





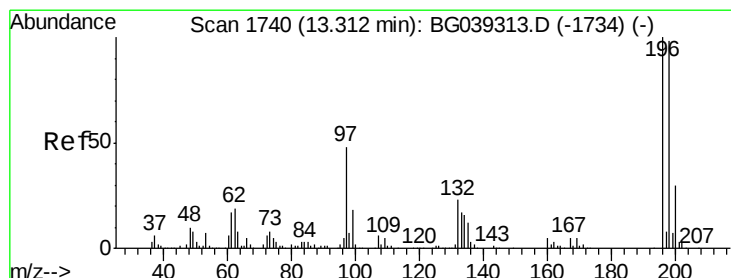
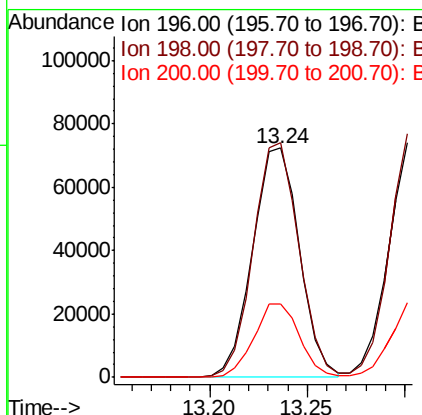
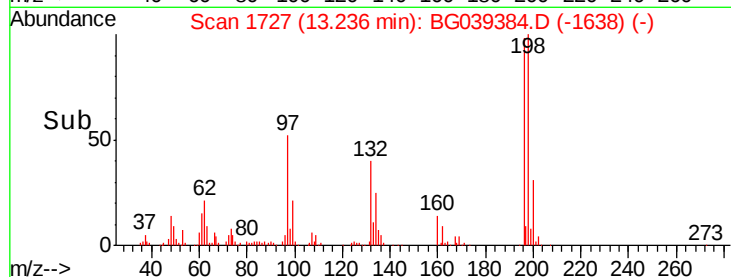
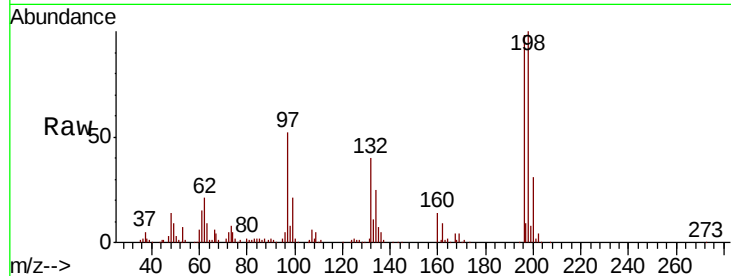
#43  
 2,4,6-Trichlorophenol  
 Concen: 45.090 ng  
 RT: 13.24 min Scan# 1727  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB116900BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 120009 |       |       |
| 198     | 102.4 | 80.6   | 121.0 |       |
| 200     | 32.1  | 26.1   | 39.1  |       |

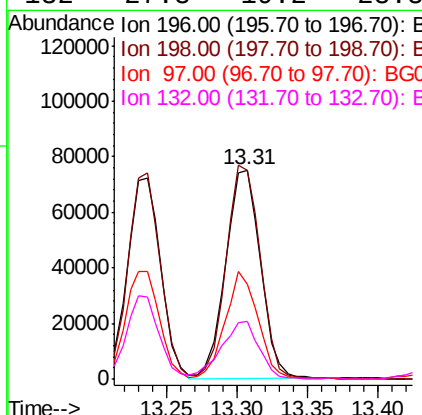
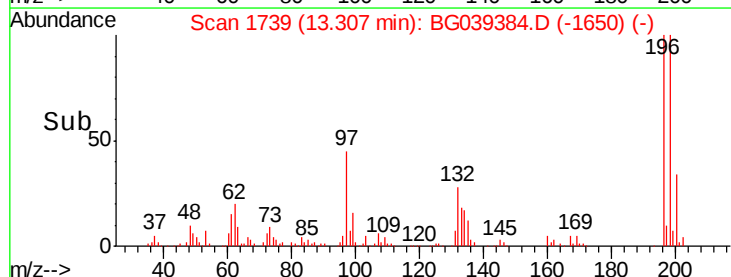
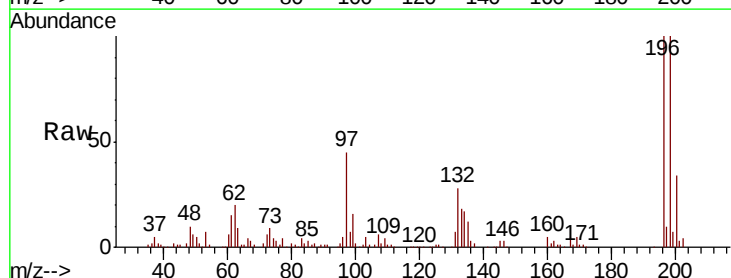
Manual Integrations  
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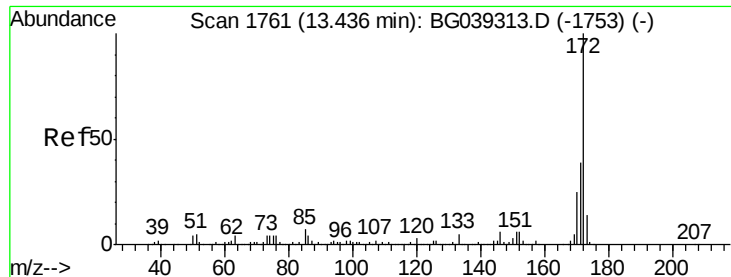
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 2/11/2019 5:04:14 PM



#44  
 2,4,5-Trichlorophenol  
 Concen: 46.200 ng  
 RT: 13.31 min Scan# 1739  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 128876 |       |       |
| 198     | 99.5  | 78.5   | 117.7 |       |
| 97      | 45.1  | 38.4   | 57.6  |       |
| 132     | 27.8  | 19.2   | 28.8  |       |





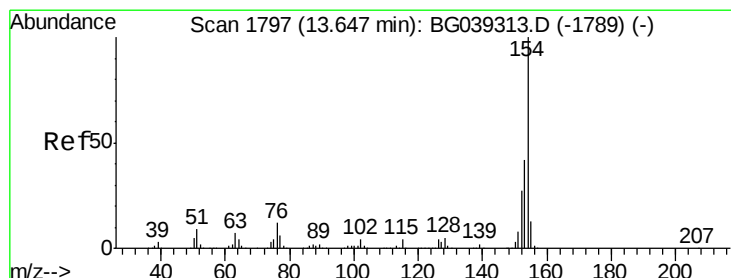
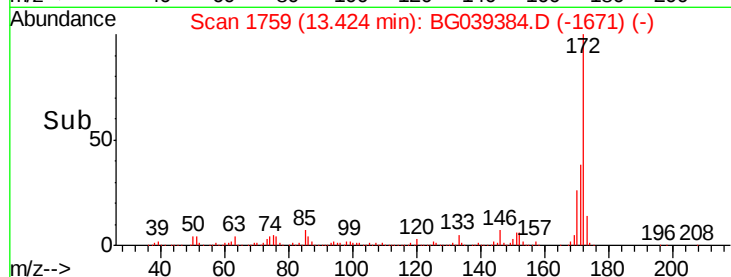
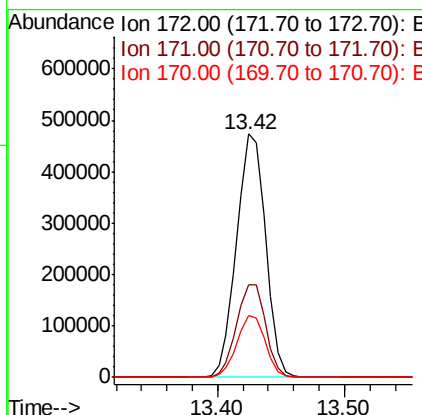
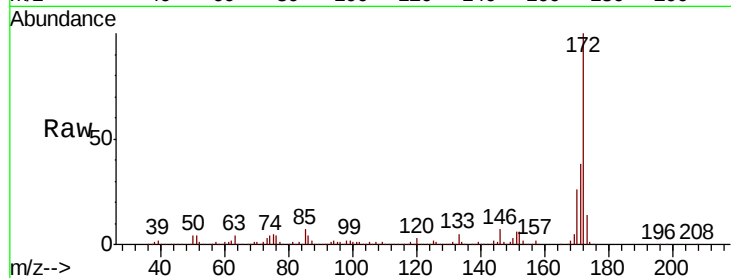
#45  
2-Fluorobiphenyl  
Concen: 79.141 ng  
RT: 13.42 min Scan# 1759  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 38.0  | 30.8  | 46.2  |
| 170     | 25.6  | 20.2  | 30.4  |

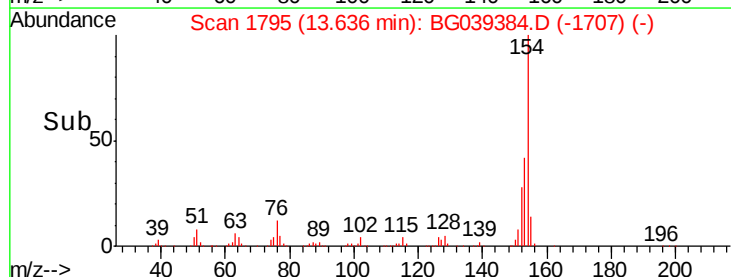
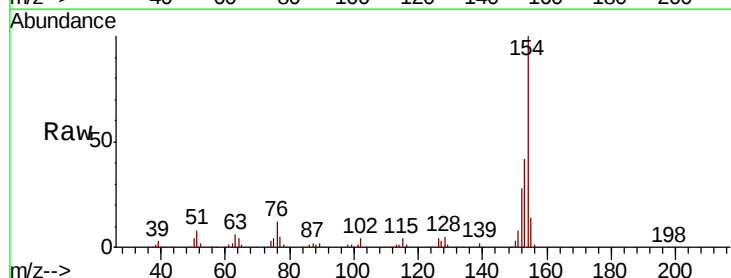
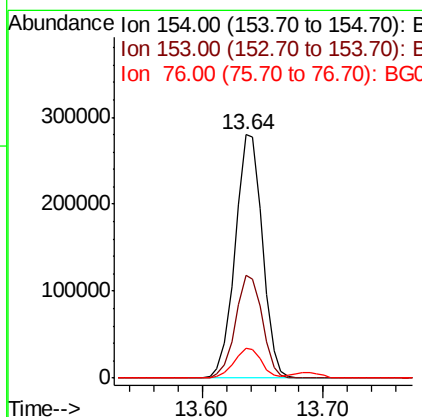
Manual Integrations  
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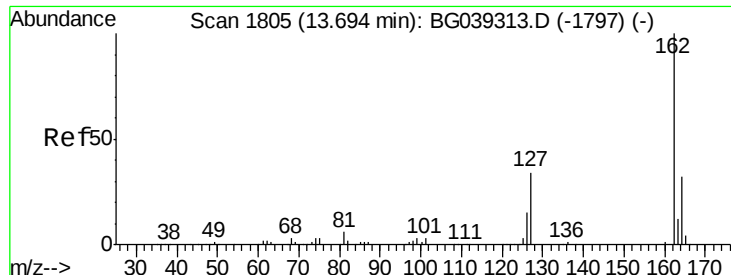
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2/11/2019 5:04:14 PM



#46  
1,1'-Biphenyl  
Concen: 38.912 ng  
RT: 13.64 min Scan# 1795  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.0  | 22.1  | 62.1  |
| 76      | 12.3  | 0.0   | 32.4  |





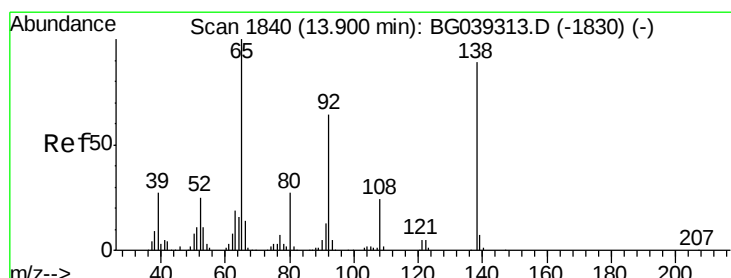
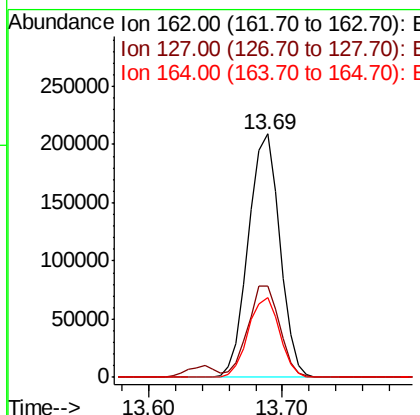
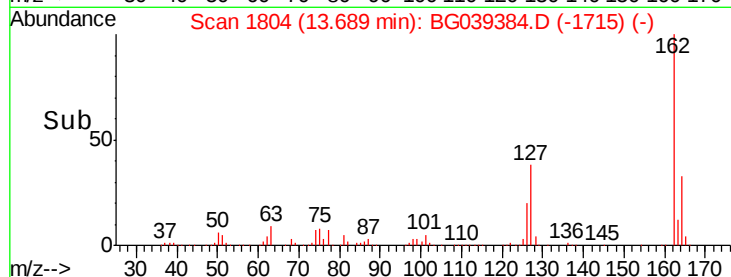
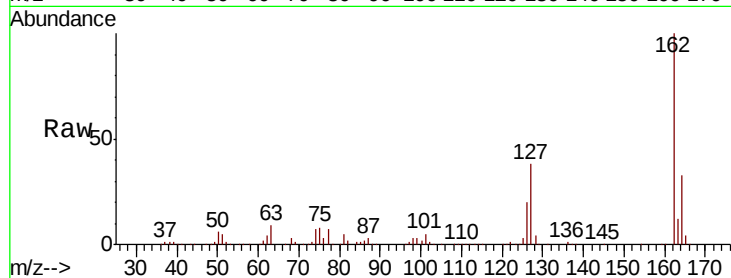
#47  
2-Chloronaphthalene  
Concen: 39.847 ng  
RT: 13.69 min Scan# 1804  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampled :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 37.5  | 31.0  | 46.6  |
| 164     | 32.9  | 25.7  | 38.5  |

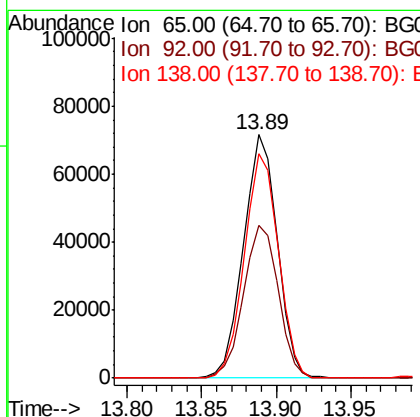
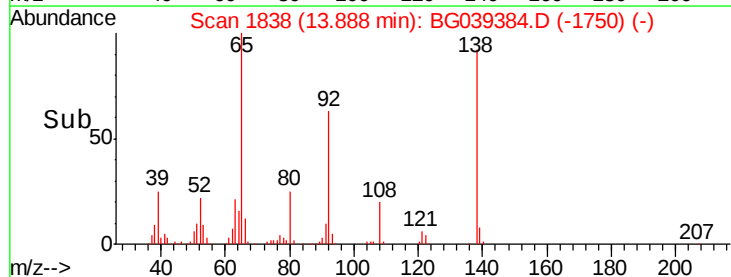
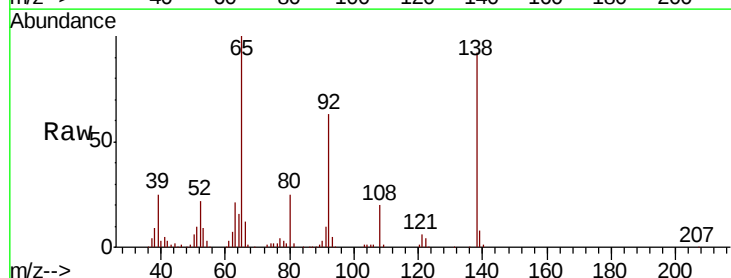
Manual Integrations  
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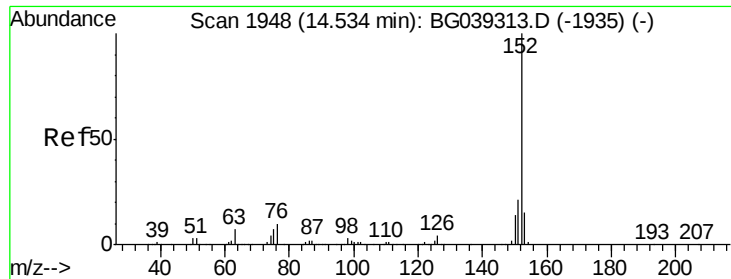
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2/11/2019 5:04:14 PM



#48  
2-Nitroaniline  
Concen: 46.224 ng  
RT: 13.89 min Scan# 1838  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 62.5  | 51.4  | 77.2  |
| 138     | 92.0  | 71.4  | 107.2 |





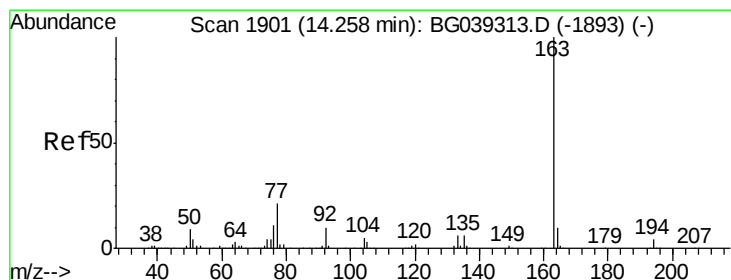
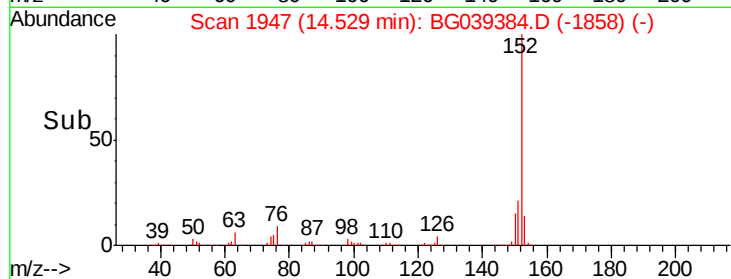
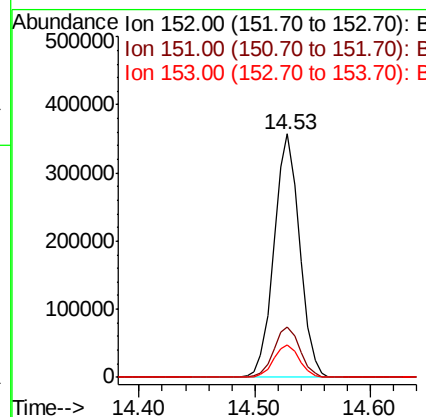
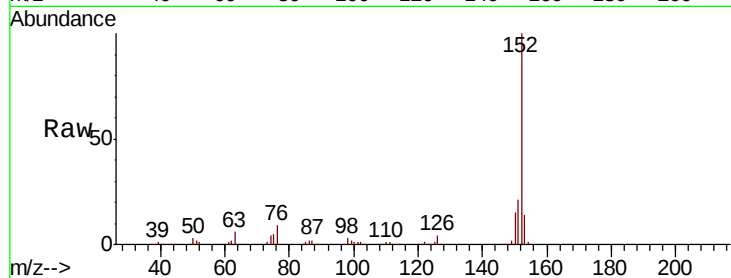
#49  
Acenaphthylene  
Concen: 42.891 ng  
RT: 14.53 min Scan# 1947  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 20.6  | 16.8  | 25.2  |
| 153     | 13.6  | 11.7  | 17.5  |

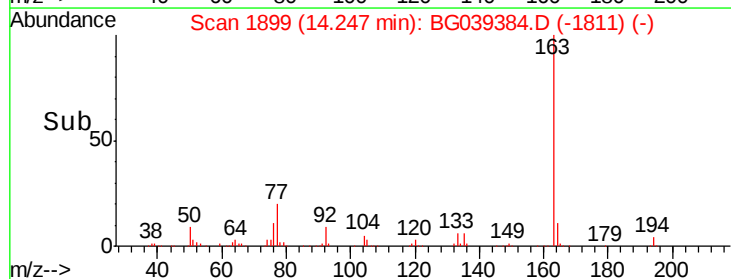
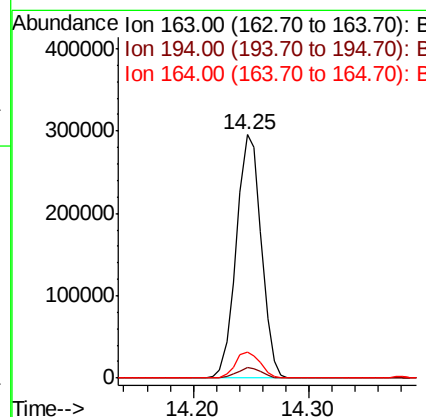
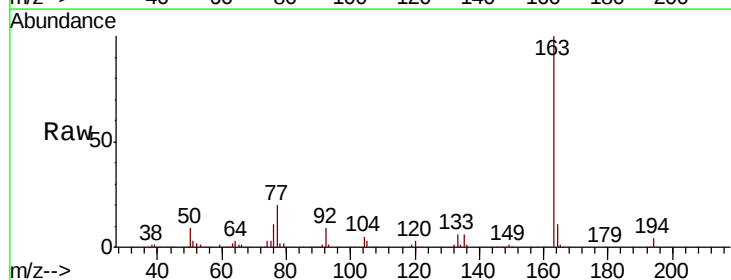
Manual Integrations  
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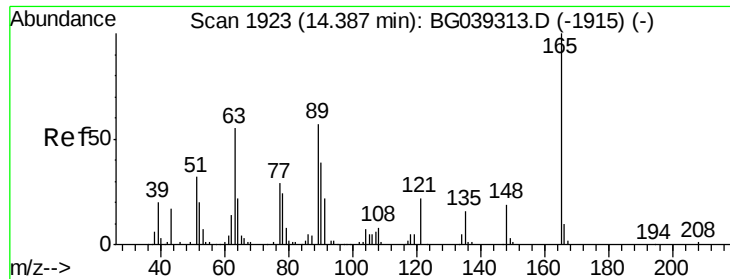
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2/11/2019 5:04:14 PM



#50  
Dimethylphthalate  
Concen: 40.063 ng  
RT: 14.25 min Scan# 1899  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.3   | 3.6   | 5.4   |
| 164     | 10.6  | 8.4   | 12.6  |





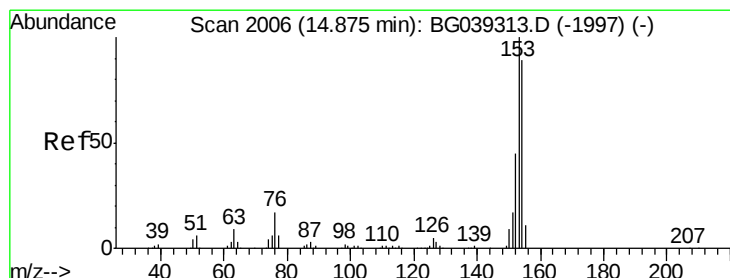
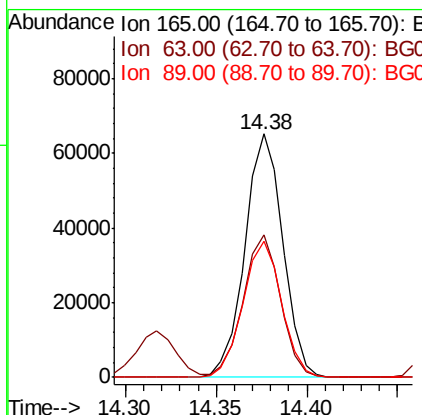
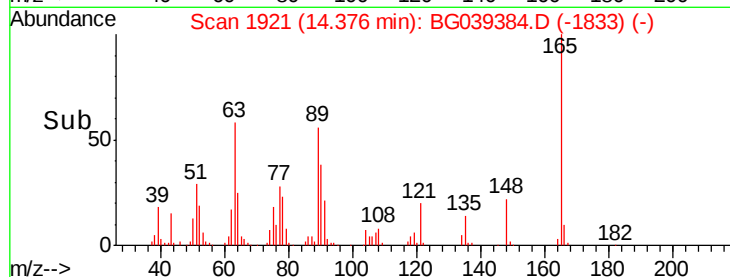
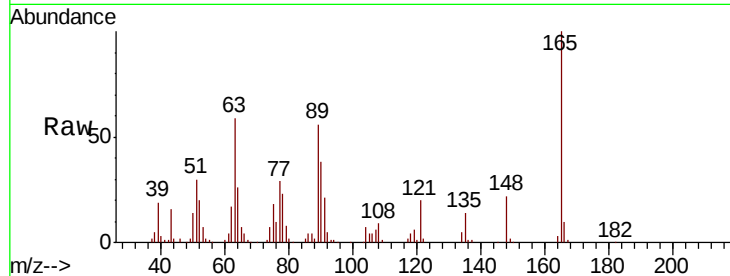
#51  
2,6-Dinitrotoluene  
Concen: 46.540 ng  
RT: 14.38 min Scan# 1921  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampled :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 58.5  | 47.0  | 70.6  |
| 89      | 55.9  | 45.8  | 68.8  |

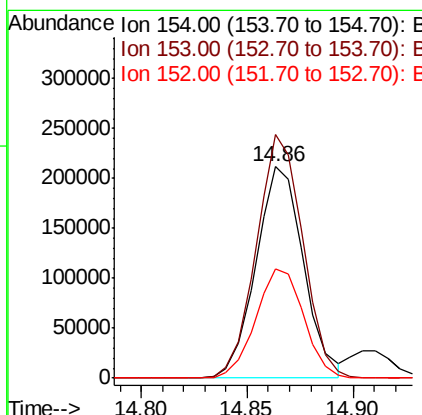
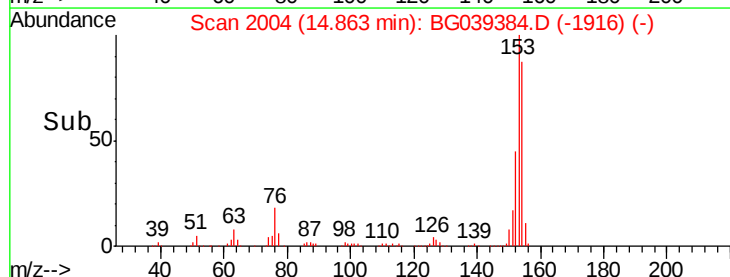
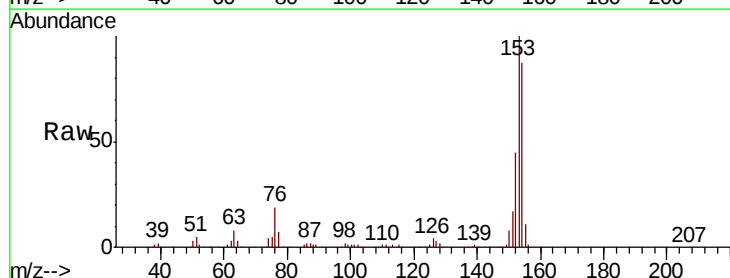
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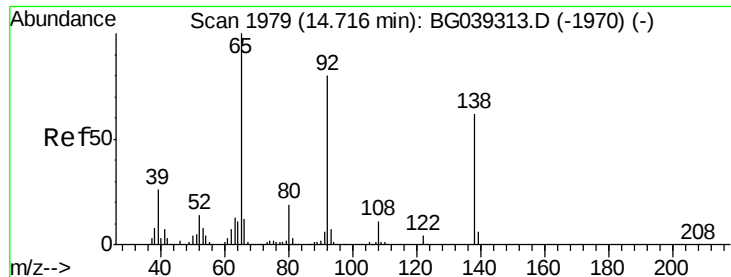
Sohil  
2/11/2019 5:04:14 PM



#52  
Acenaphthene  
Concen: 39.738 ng  
RT: 14.86 min Scan# 2004  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 115.3 | 90.1  | 135.1 |
| 152     | 51.5  | 40.9  | 61.3  |





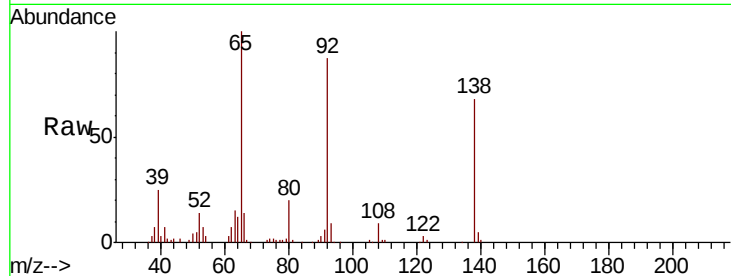
#53  
3-Nitroaniline  
Concen: 33.454 ng  
RT: 14.70 min Scan# 1977  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

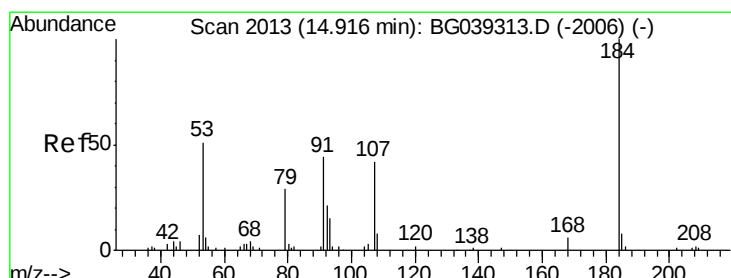
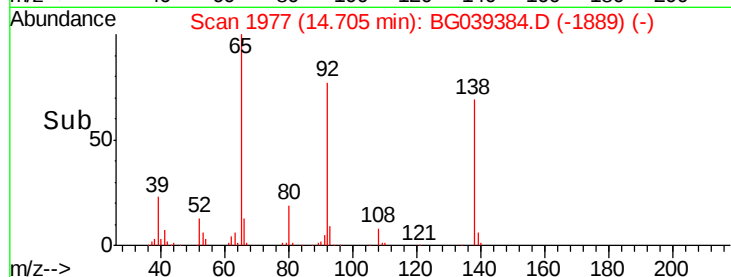
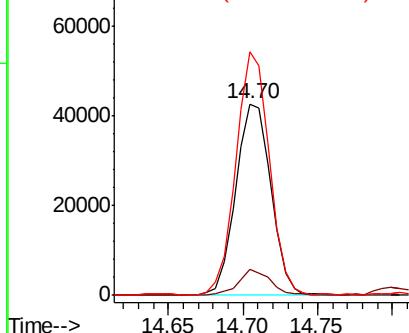
Tot Ion:138 Resp: 69707  
Ion Ratio Lower Upper  
138 100  
108 13.8 13.8 20.8#  
92 127.3 103.7 155.5

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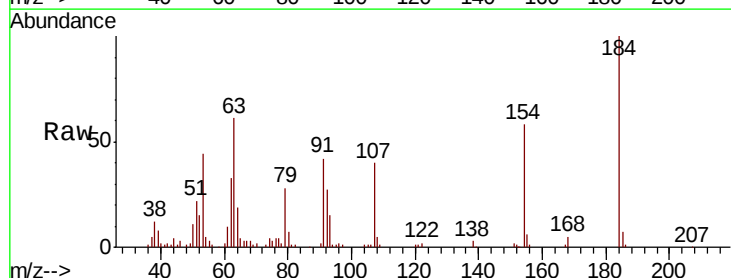


Abundance Ion 138.00 (137.70 to 138.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 92.00 (91.70 to 92.70): BGC

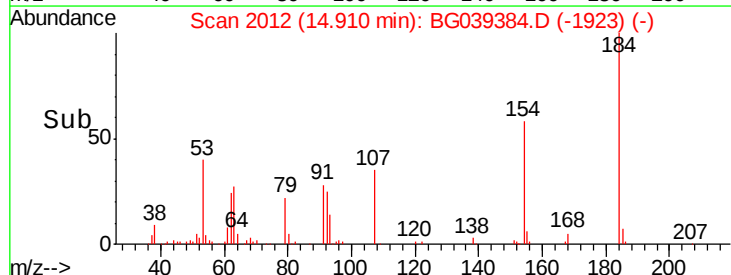
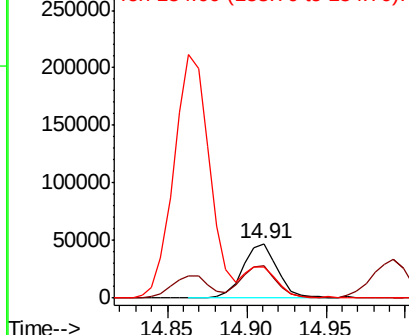


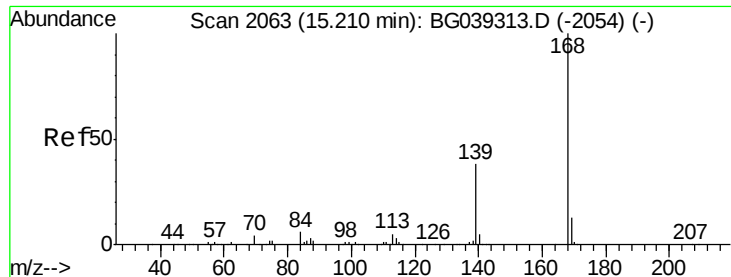
#54  
2,4-Dinitrophenol  
Concen: 79.085 ng  
RT: 14.91 min Scan# 2012  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Tgt Ion:184 Resp: 71434  
Ion Ratio Lower Upper  
184 100  
63 60.5 50.9 76.3  
154 58.2 53.0 79.6



Abundance Ion 184.00 (183.70 to 184.70): E  
Ion 63.00 (62.70 to 63.70): BGC  
Ion 154.00 (153.70 to 154.70): E





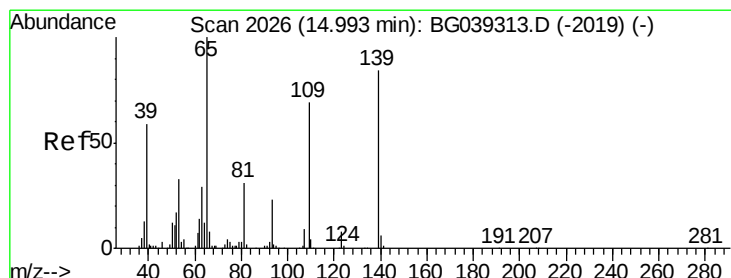
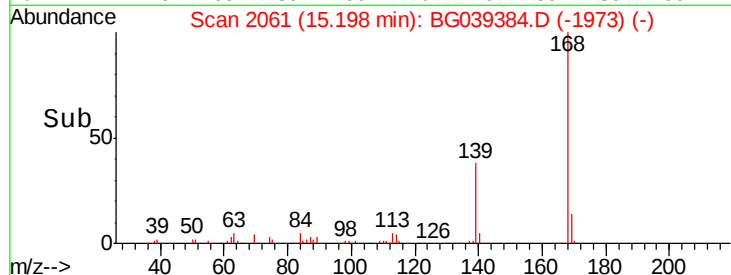
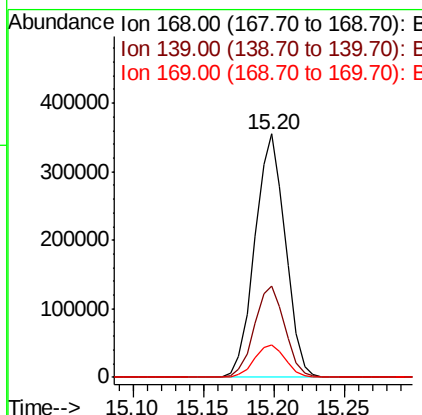
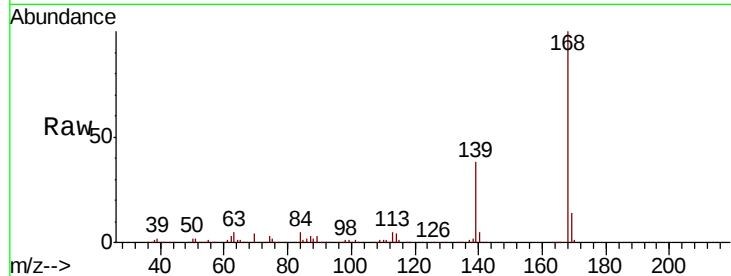
#55  
Dibenzenofuran  
Concen: 40.324 ng  
RT: 15.20 min Scan# 2061  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 37.5  | 30.1  | 45.1  |
| 169     | 13.5  | 10.6  | 16.0  |

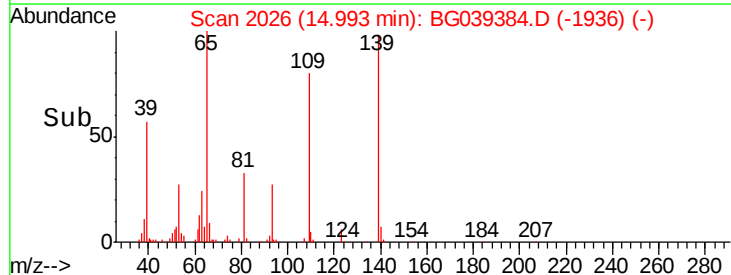
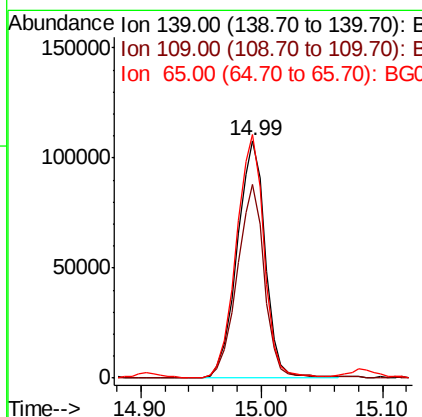
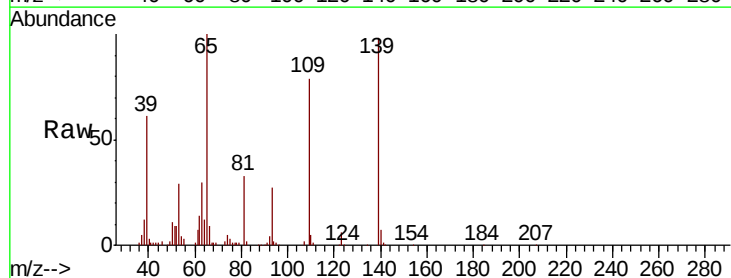
Manual Integrations  
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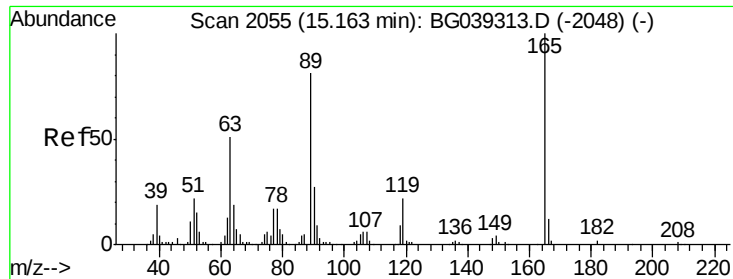
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2/11/2019 5:04:14 PM



#56  
4-Nitrophenol  
Concen: 87.527 ng  
RT: 14.99 min Scan# 2026  
Delta R.T. 0.00 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 81.3  | 61.9  | 101.9 |
| 65      | 102.4 | 99.1  | 139.1 |





#57

2,4-Dinitrotoluene

Concen: 51.205 ng

RT: 15.16 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

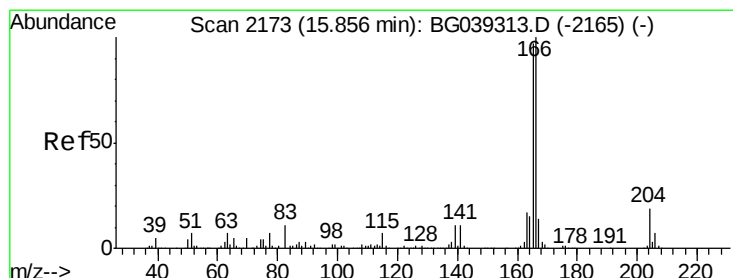
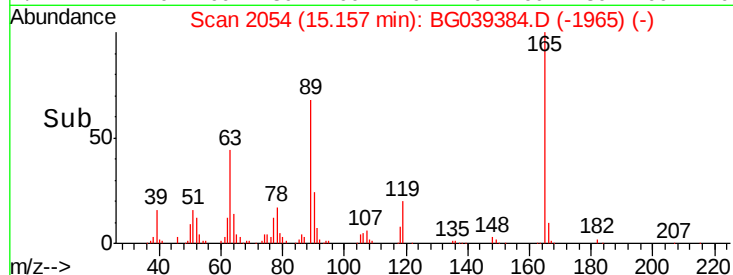
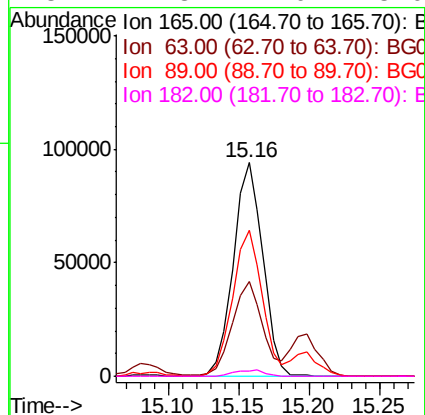
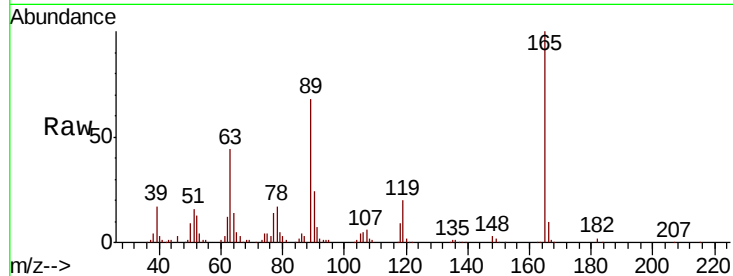
ClientSampleId :

PB116900BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 165     | 100   |            |            |
| 63      | 44.4  | 41.0       | 61.6       |
| 89      | 68.1  | 64.6       | 96.8       |
| 182     | 2.3   | 2.0        | 3.0        |

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#58

Fluorene

Concen: 42.656 ng

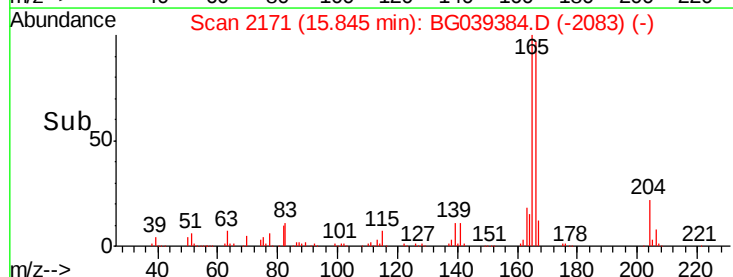
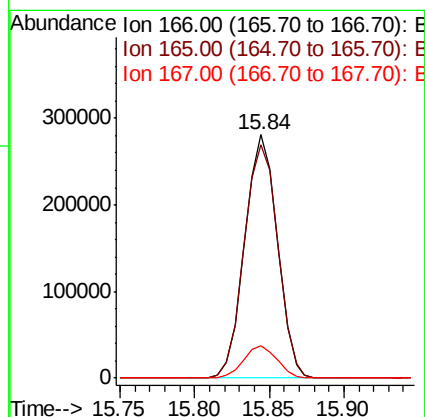
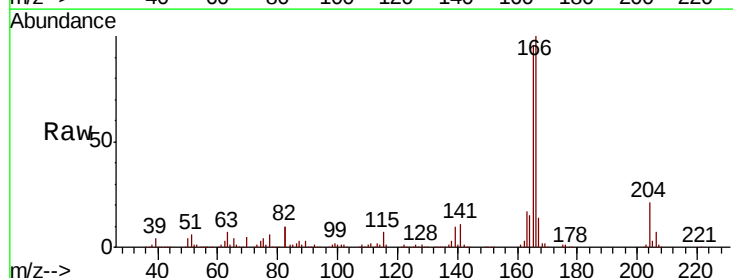
RT: 15.84 min Scan# 2171

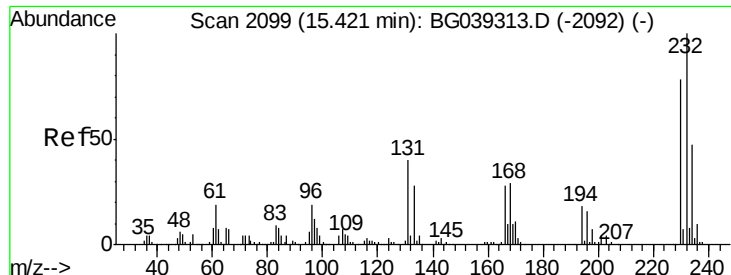
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 166     | 100   |            |            |
| 165     | 95.8  | 77.9       | 116.9      |
| 167     | 13.5  | 10.8       | 16.2       |





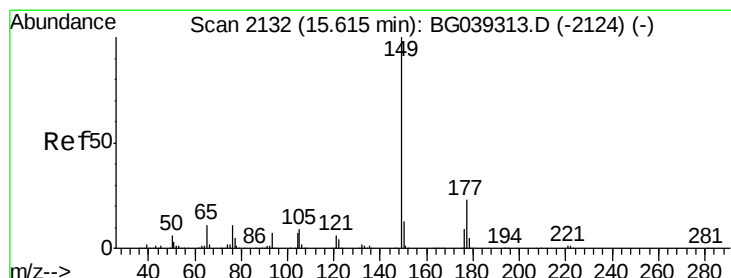
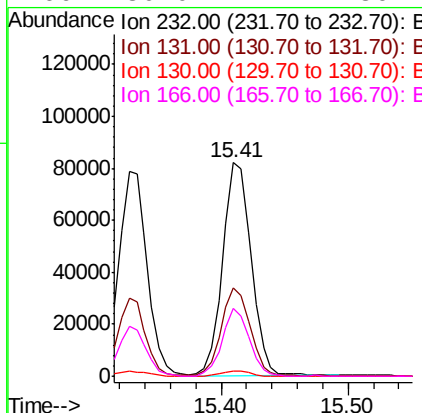
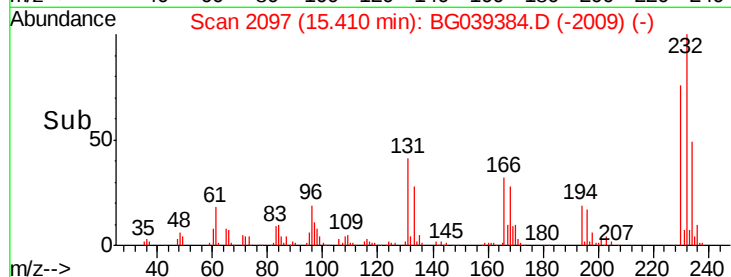
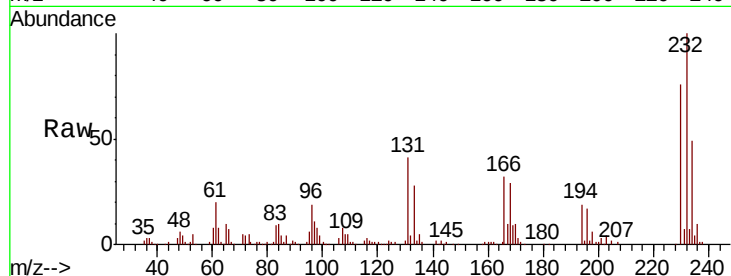
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 49.157 ng  
 RT: 15.41 min Scan# 2097  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116900BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 128393 |       |       |
| 131     | 41.3  |        | 34.9  | 52.3  |
| 130     | 2.4   |        | 2.0   | 3.0   |
| 166     | 30.0  |        | 24.1  | 36.1  |

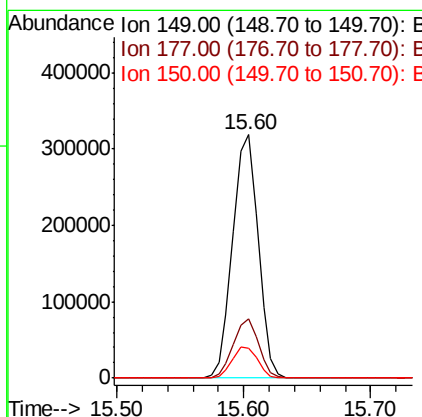
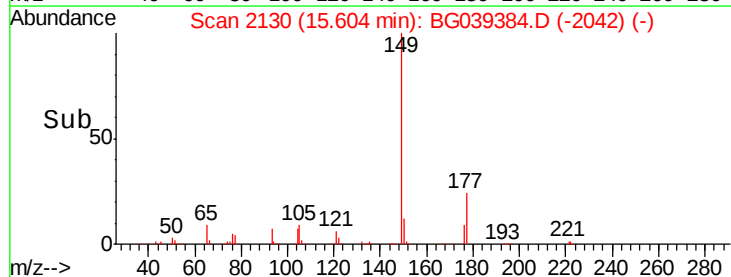
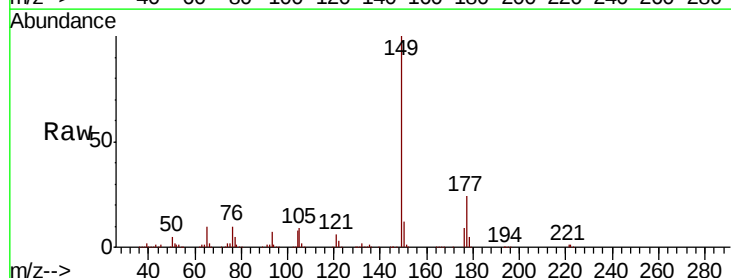
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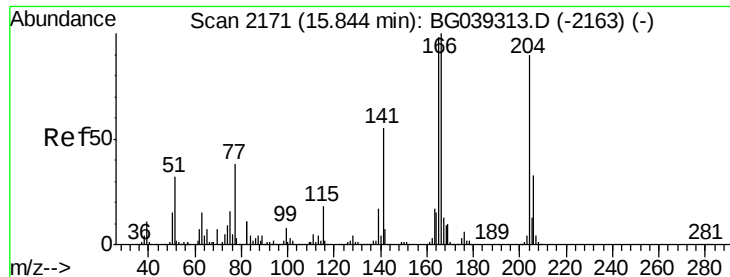
Sohil  
 2/11/2019 5:04:14 PM



#60  
 Diethylphthalate  
 Concen: 39.025 ng  
 RT: 15.60 min Scan# 2130  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 443359 |       |       |
| 177     | 24.3  |        | 18.3  | 27.5  |
| 150     | 12.4  |        | 10.2  | 15.2  |





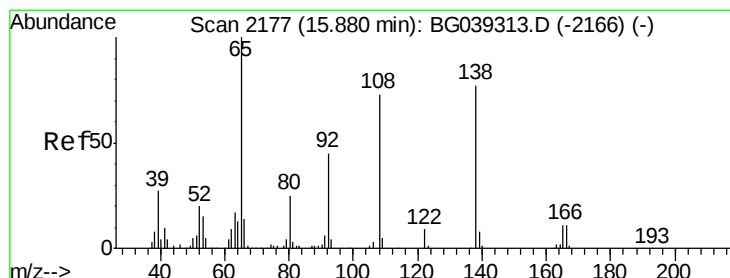
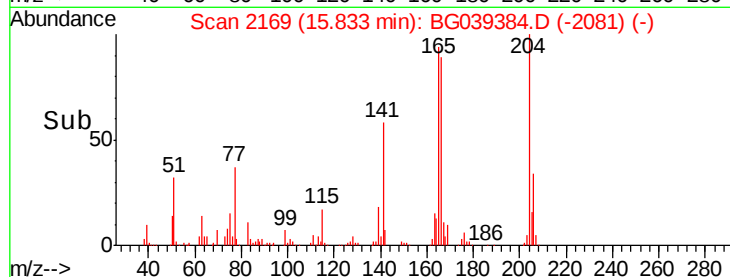
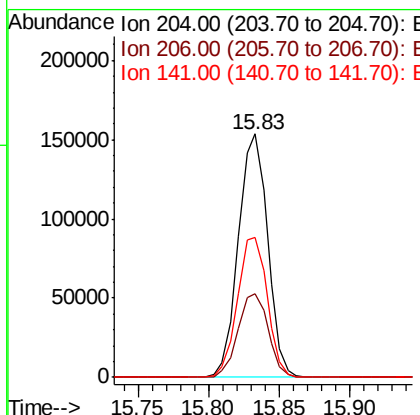
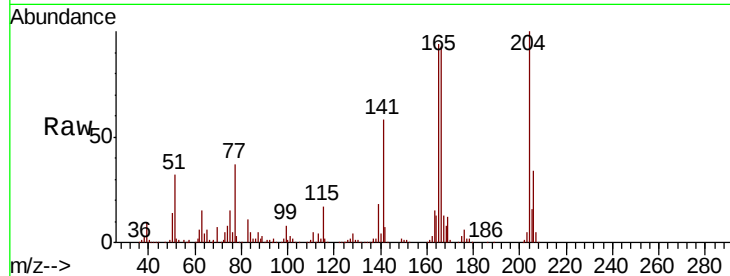
#61  
4-Chlorophenyl-phenylether  
Concen: 39.423 ng  
RT: 15.83 min Scan# 2169  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 34.4  | 29.2  | 43.8  |
| 141     | 57.7  | 49.0  | 73.4  |

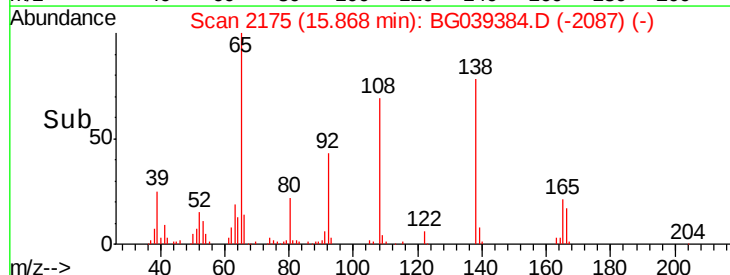
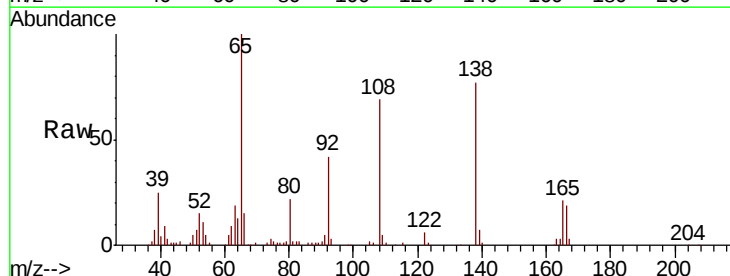
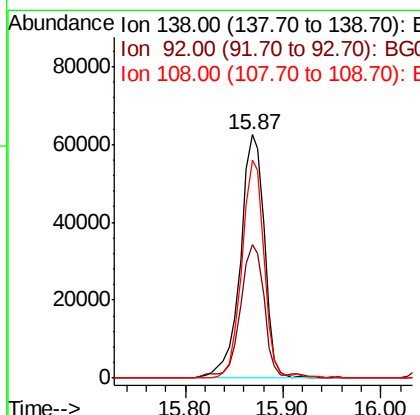
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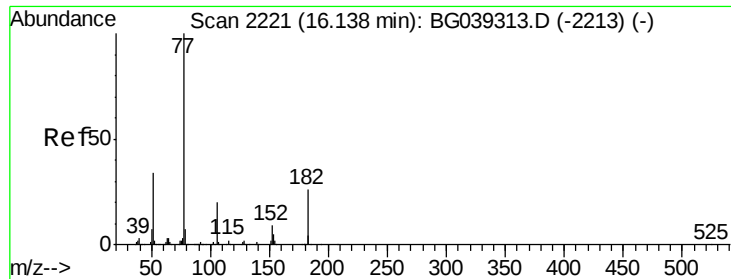
Sohil  
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#62  
4-Nitroaniline  
Concen: 46.565 ng  
RT: 15.87 min Scan# 2175  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 54.9  | 38.7  | 78.7  |
| 108     | 89.5  | 74.6  | 114.6 |





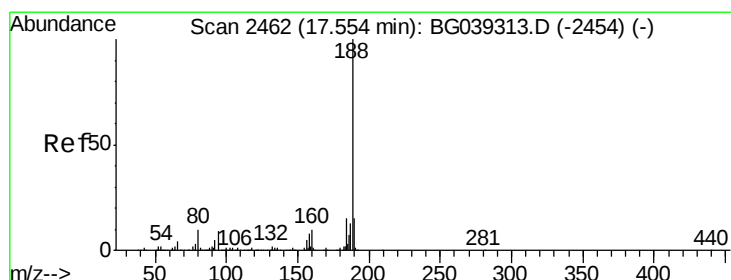
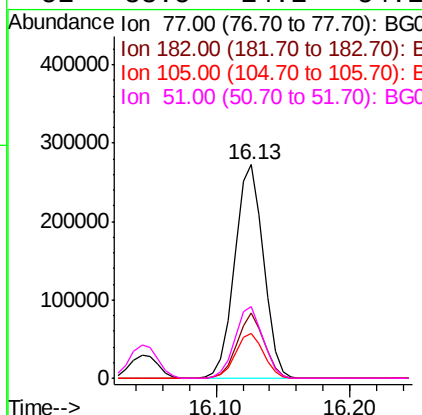
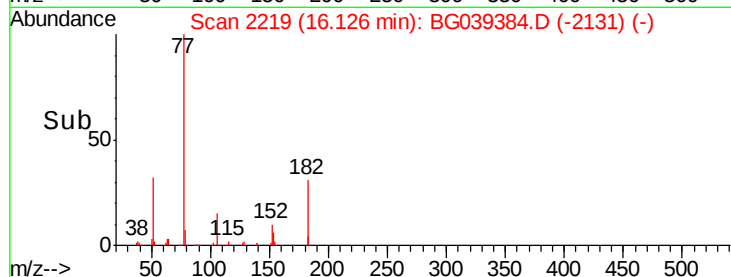
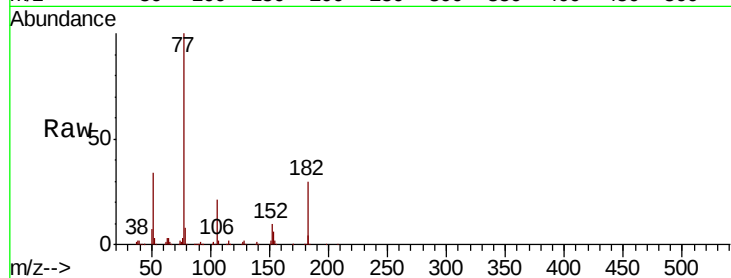
#63  
Azobenzene  
Concen: 36.599 ng  
RT: 16.13 min Scan# 2219  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 30.4  | 6.4   | 46.4  |
| 105     | 21.0  | 0.0   | 39.8  |
| 51      | 33.5  | 14.1  | 54.1  |

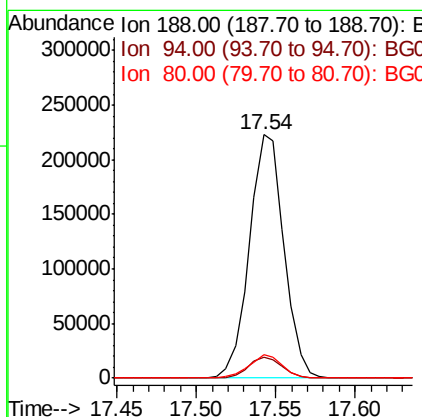
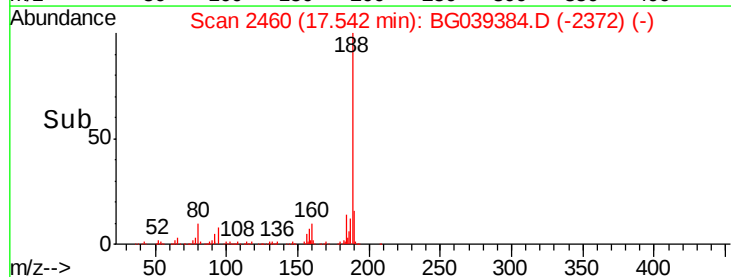
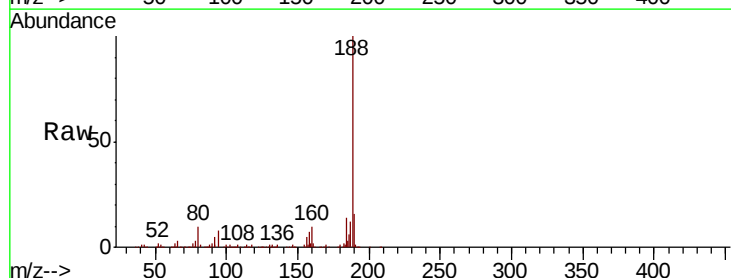
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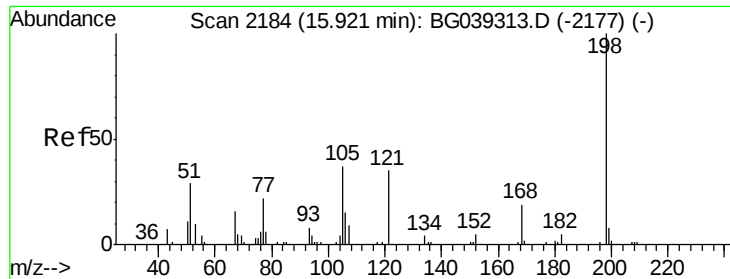
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.54 min Scan# 2460  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.4   | 6.9   | 10.3  |
| 80      | 9.8   | 8.1   | 12.1  |





#65

4,6-Dinitro-2-methylphenol

Concen: 47.857 ng

RT: 15.92 min Scan# 2183

Delta R.T. -0.00 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

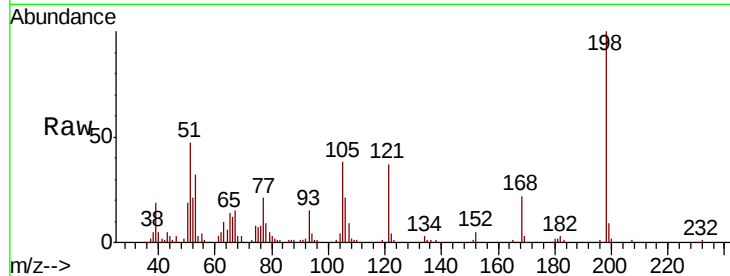
ClientSampleId :

PB116900BS

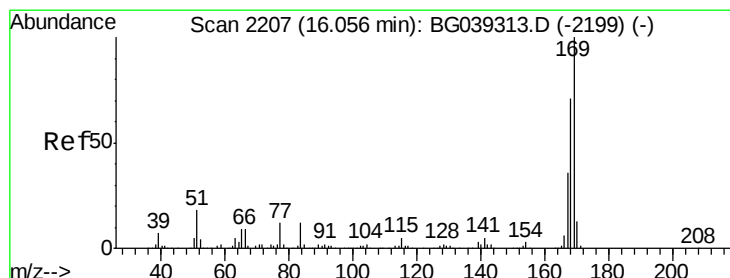
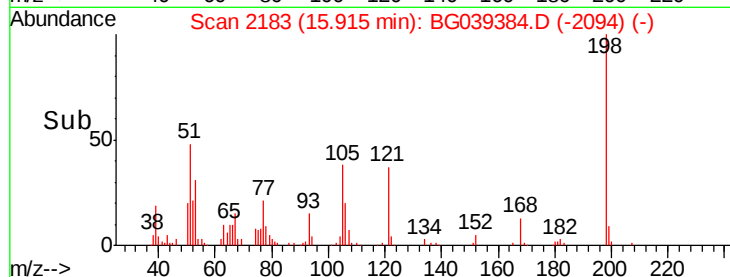
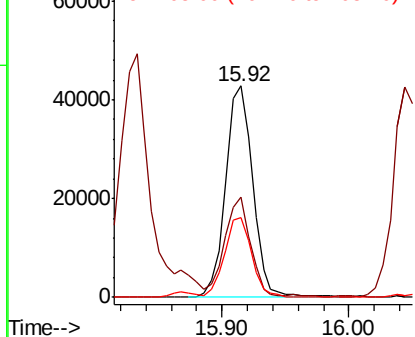
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 198   | Resp: | 63417 |
| Ion Ratio | Lower | Upper |       |
| 198       | 100   |       |       |
| 51        | 47.3  | 27.4  | 67.4  |
| 105       | 37.9  | 19.7  | 59.7  |

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Abundance Ion 198.00 (197.70 to 198.70): E  
Ion 51.00 (50.70 to 51.70): BG  
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 37.811 ng

RT: 16.04 min Scan# 2205

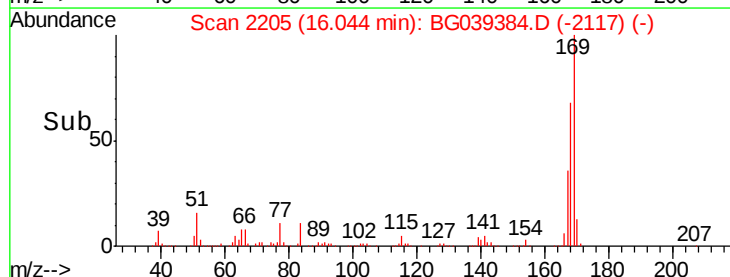
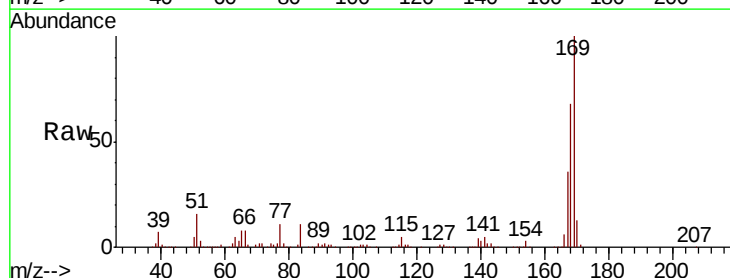
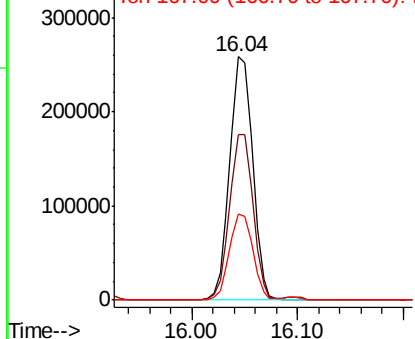
Delta R.T. -0.01 min

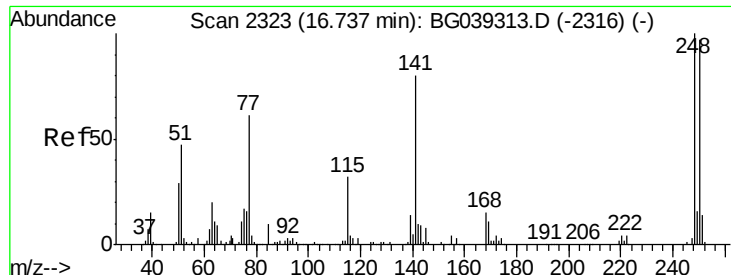
Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 387198 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 68.1  | 56.6  | 85.0   |
| 167       | 35.6  | 28.8  | 43.2   |

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





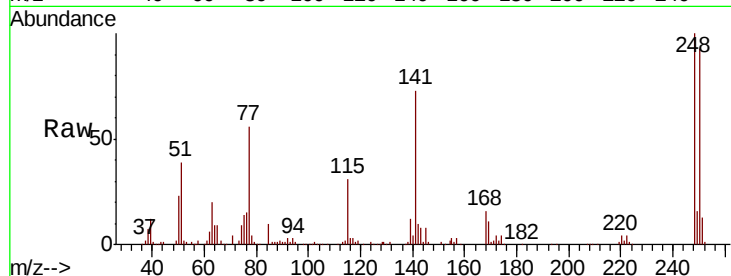
#67  
 4-Bromophenyl-phenylether  
 Concen: 38.938 ng  
 RT: 16.73 min Scan# 2321  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 93.3  | 77.6  | 116.4 |
| 141     | 73.1  | 63.9  | 95.9  |

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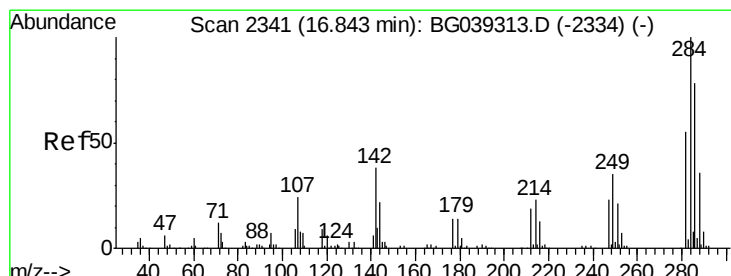
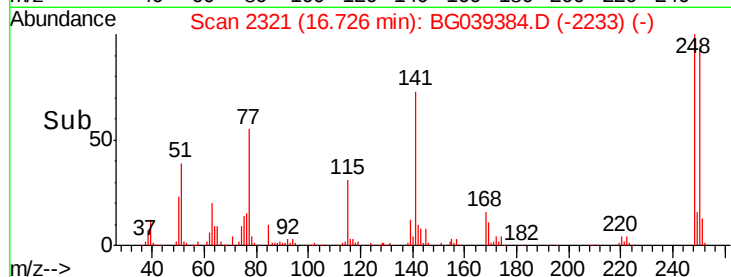
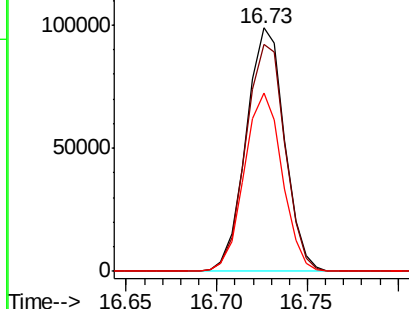


Abundance

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



#68  
 Hexachlorobenzene  
 Concen: 39.758 ng  
 RT: 16.84 min Scan# 2340  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

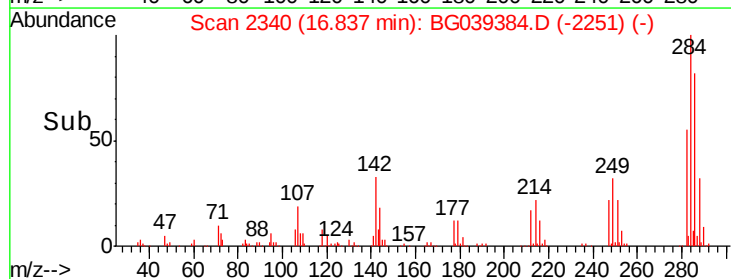
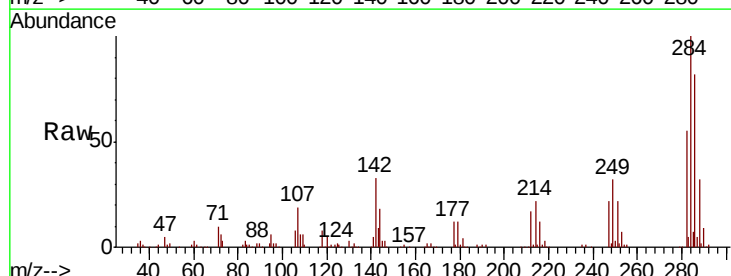
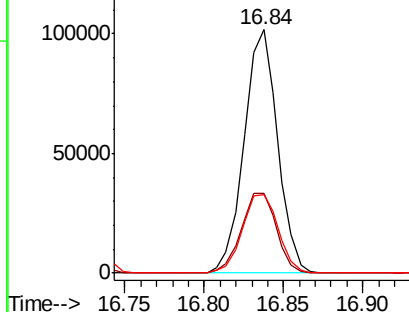
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 32.9  | 30.6  | 45.8  |
| 249     | 32.4  | 28.2  | 42.2  |

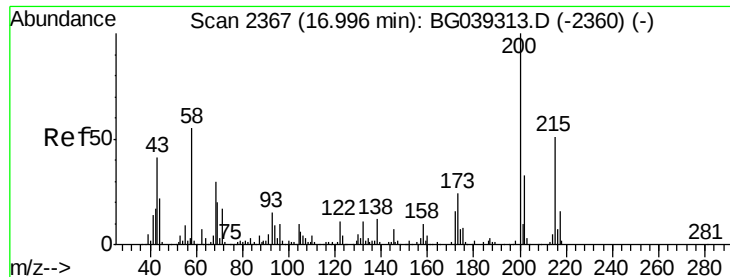
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





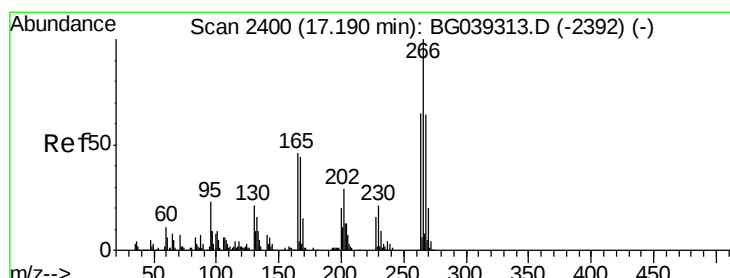
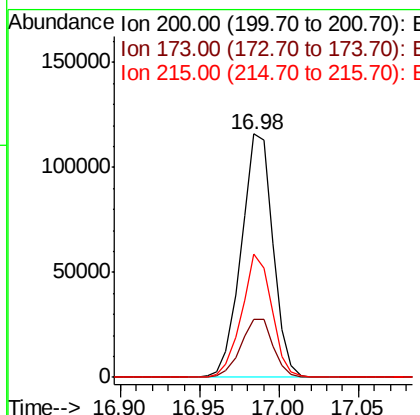
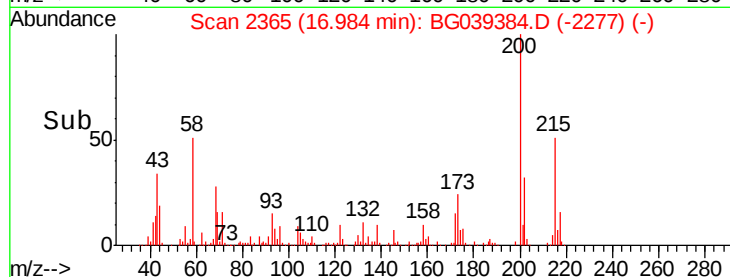
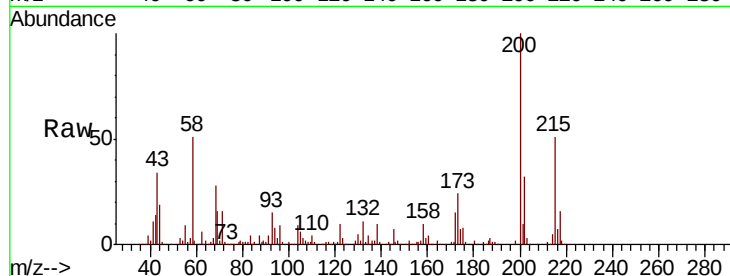
#69  
Atrazine  
Concen: 42.721 ng  
RT: 16.98 min Scan# 2365  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 200     | 100   |            |            |
| 173     | 24.0  | 3.9        | 43.9       |
| 215     | 50.5  | 30.9       | 70.9       |

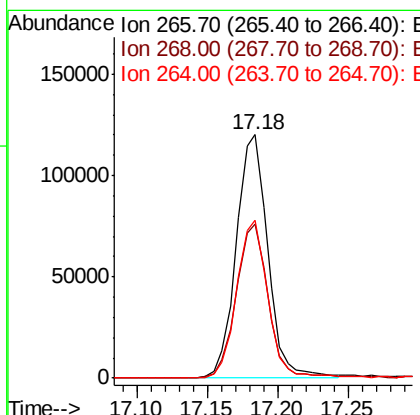
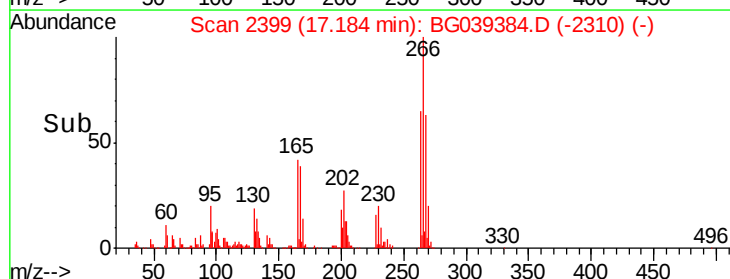
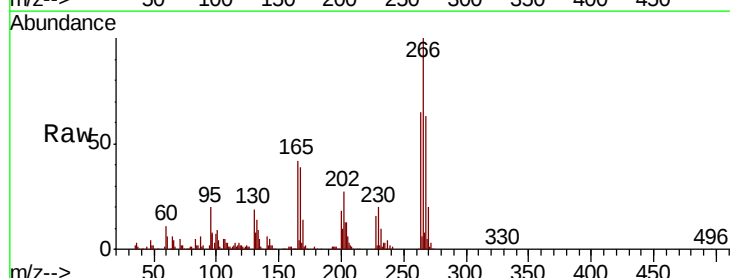
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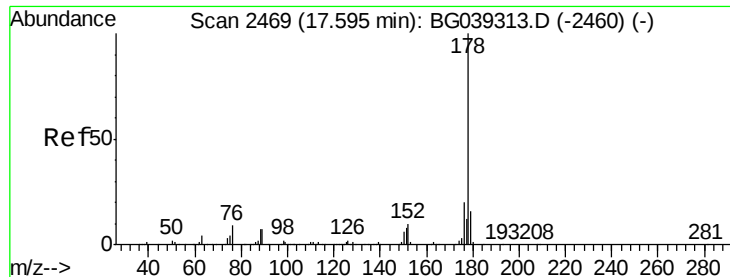
Sohil  
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#70  
Pentachlorophenol  
Concen: 72.212 ng  
RT: 17.18 min Scan# 2399  
Delta R.T. -0.01 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 266     | 100   |            |            |
| 268     | 63.2  | 51.1       | 76.7       |
| 264     | 64.6  | 52.1       | 78.1       |





#71

Phenanthrene

Concen: 41.623 ng

RT: 17.59 min Scan# 2468

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

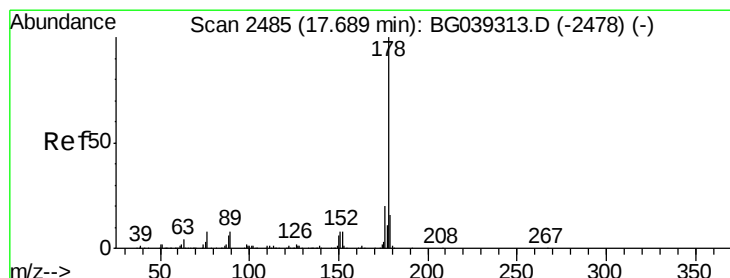
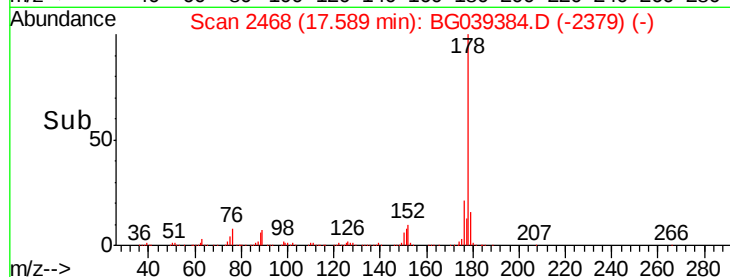
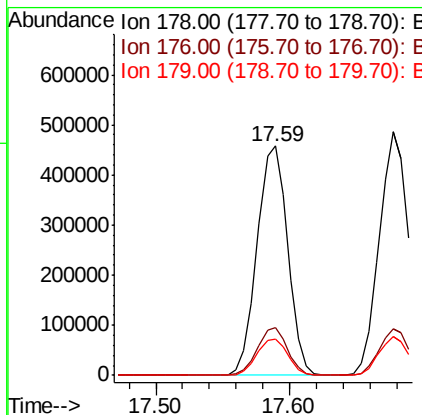
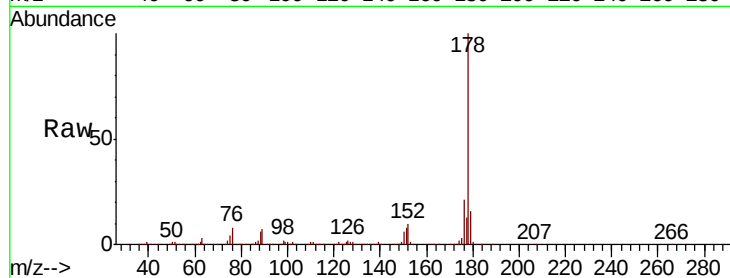
ClientSampleId :

PB116900BS

|             |       |        |
|-------------|-------|--------|
| Tot Ion:178 | Resp: | 725509 |
| Ion Ratio   | Lower | Upper  |
| 178 100     |       |        |
| 176 20.9    | 16.2  | 24.4   |
| 179 15.9    | 12.6  | 19.0   |

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#72

Anthracene

Concen: 43.092 ng

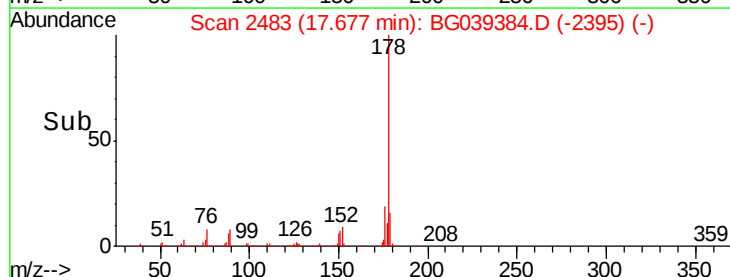
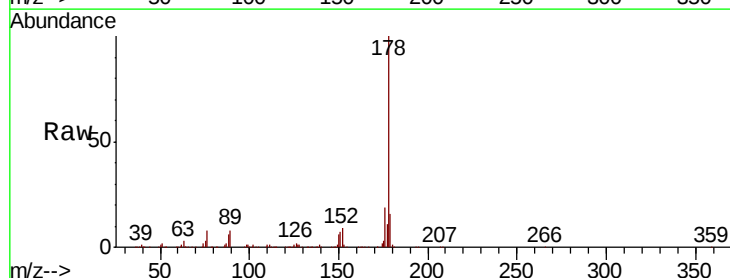
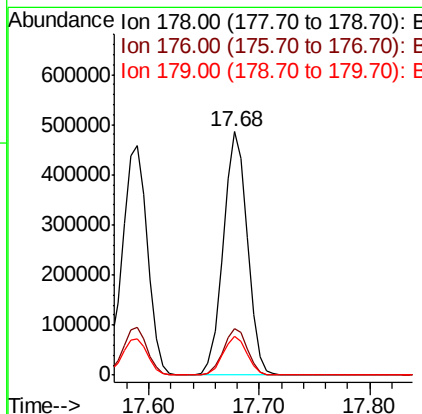
RT: 17.68 min Scan# 2483

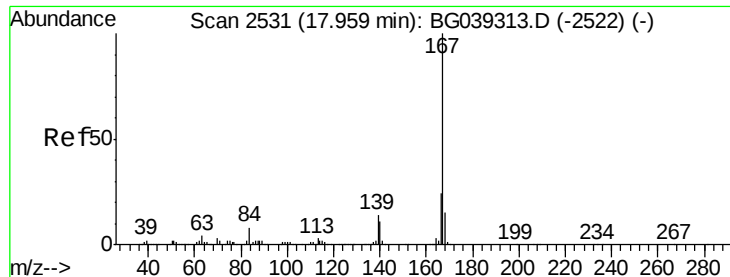
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:178 | Resp: | 739855 |
| Ion Ratio   | Lower | Upper  |
| 178 100     |       |        |
| 176 19.2    | 15.8  | 23.6   |
| 179 15.8    | 12.5  | 18.7   |





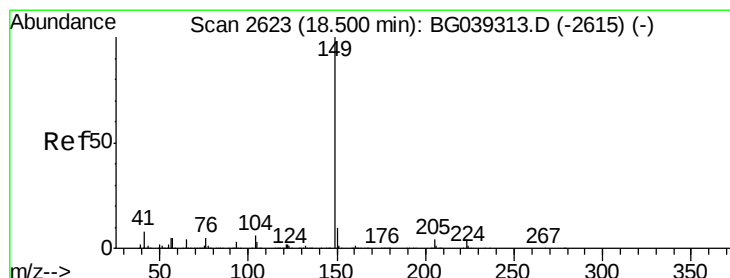
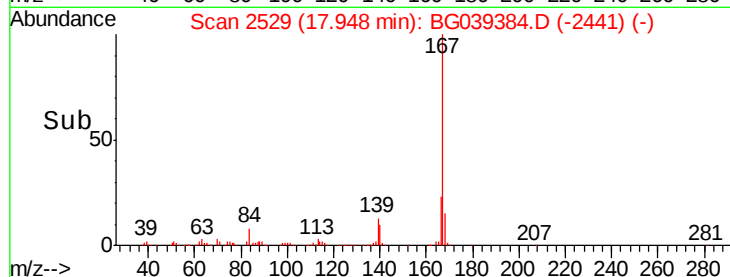
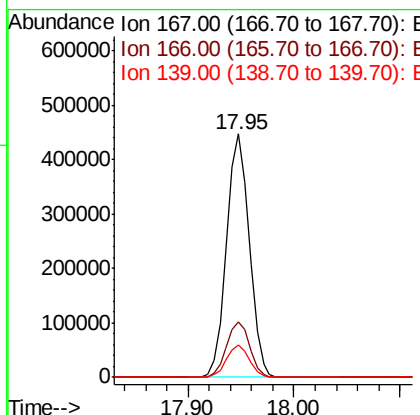
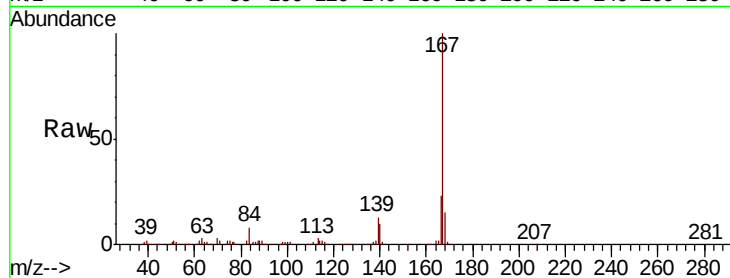
#73  
 Carbazole  
 Concen: 38.667 ng  
 RT: 17.95 min Scan# 2529  
 Delta R.T. -0.01 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.9  | 19.4  | 29.2  |
| 139     | 13.2  | 10.8  | 16.2  |

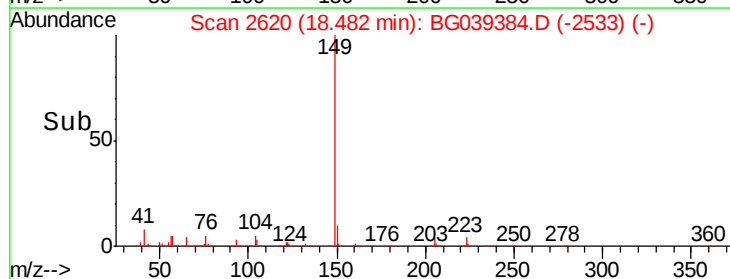
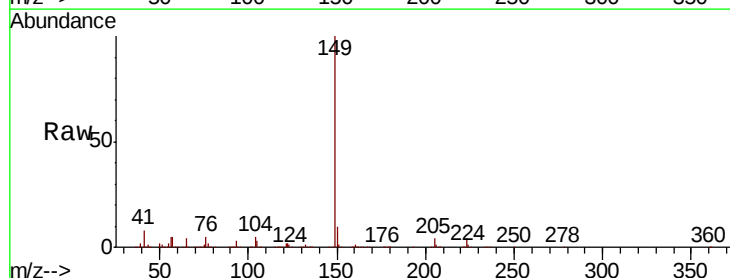
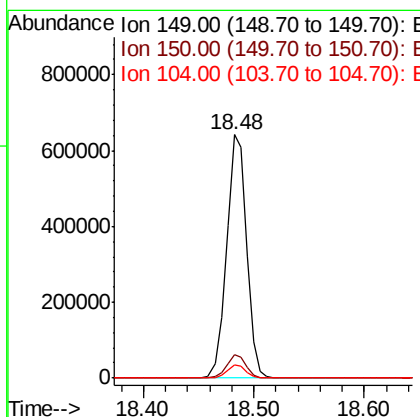
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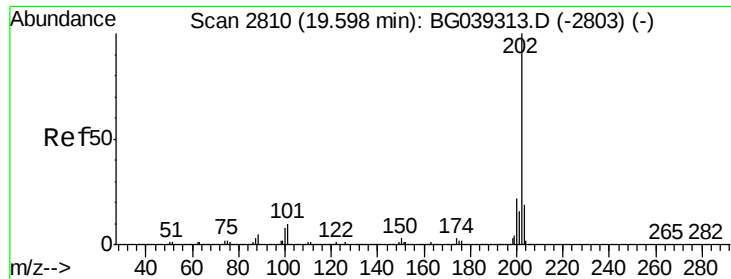
Sohil  
 2/11/2019 5:04:14 PM



#74  
 Di-n-butylphthalate  
 Concen: 40.505 ng  
 RT: 18.48 min Scan# 2620  
 Delta R.T. -0.02 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.9   | 7.7   | 11.5  |
| 104     | 5.3   | 4.5   | 6.7   |





#75

Fluoranthene

Concen: 44.499 ng

RT: 19.59 min Scan# 2808

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

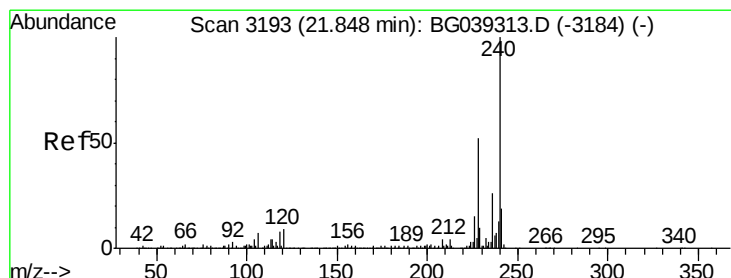
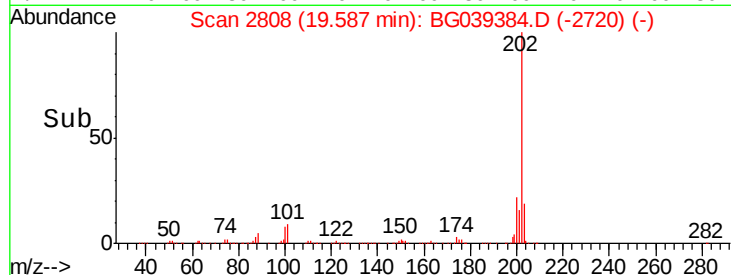
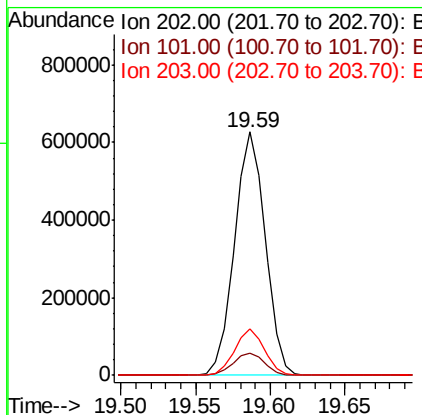
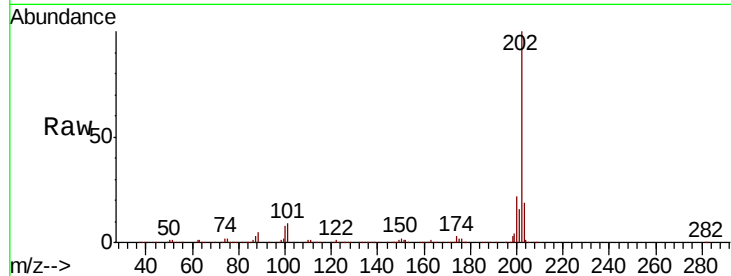
ClientSampleId :

PB116900BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 202     | 100  |       | 900290 |       |       |
| 101     | 9.4  | 0.0   | 30.0   |       |       |
| 203     | 19.0 | 0.0   | 38.9   |       |       |

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#76

Chrysene-d12

Concen: 20.000 ng

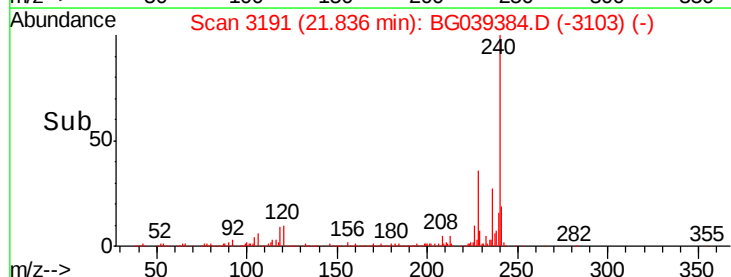
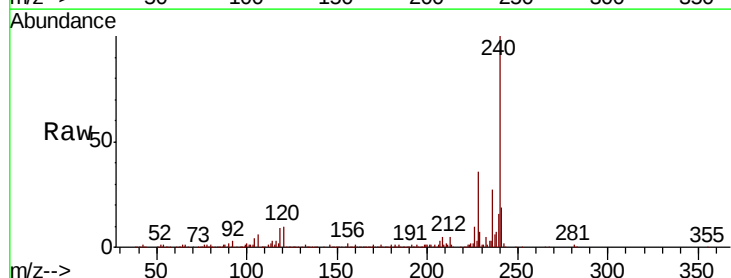
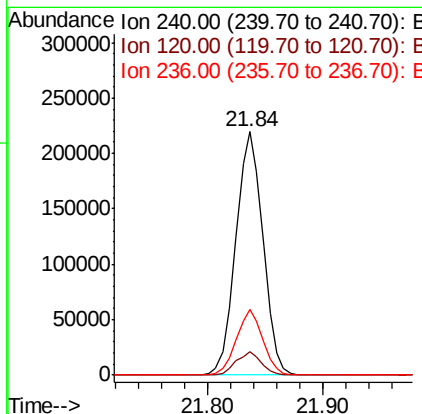
RT: 21.84 min Scan# 3191

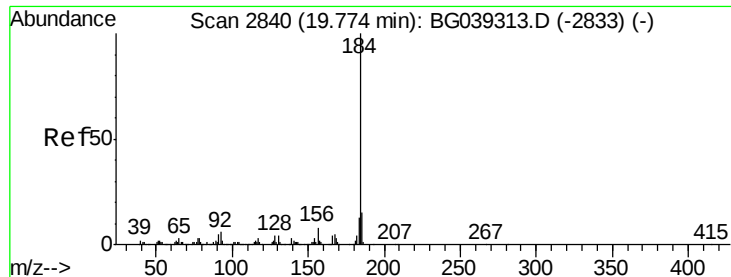
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 240     | 100  |       | 356561 |       |       |
| 120     | 9.6  | 7.0   | 10.6   |       |       |
| 236     | 26.8 | 21.0  | 31.4   |       |       |





#77

Benzidine

Concen: 26.234 ng

RT: 19.76 min Scan# 2838

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

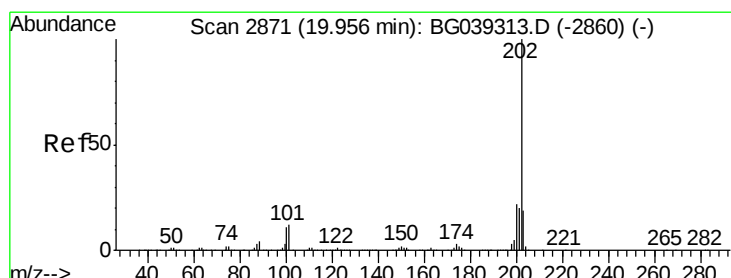
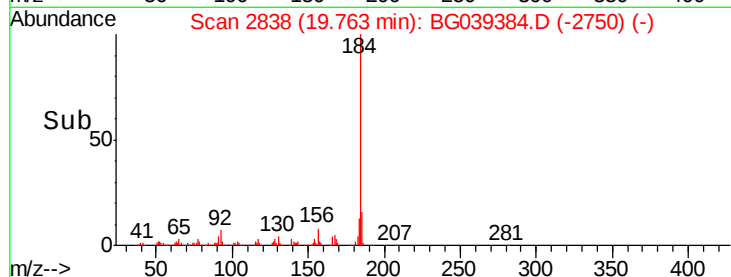
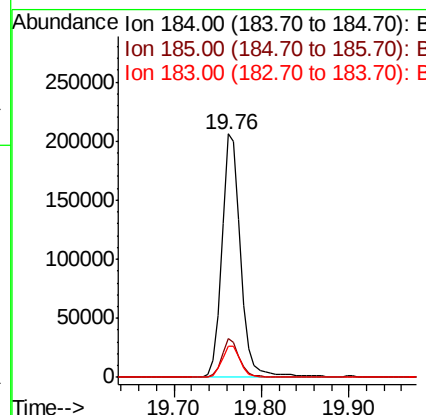
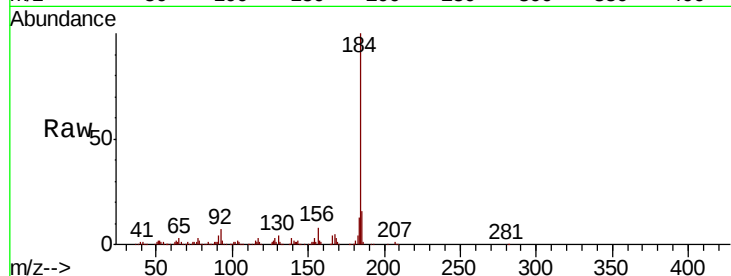
ClientSampled :

PB116900BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 306675 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.7  | 12.2  | 18.2   |
| 183       | 13.0  | 10.6  | 15.8   |

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#78

Pyrene

Concen: 40.820 ng

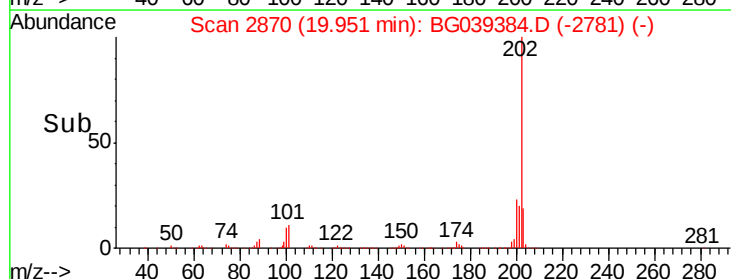
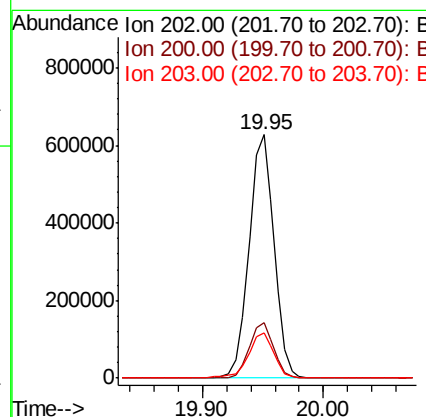
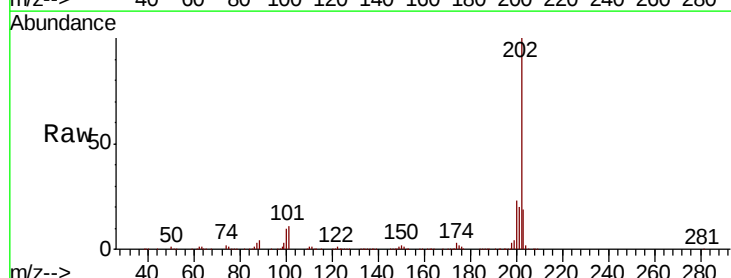
RT: 19.95 min Scan# 2870

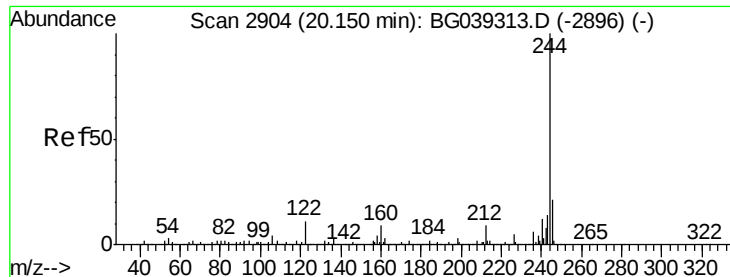
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 906069 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 22.9  | 17.8  | 26.8   |
| 203       | 18.6  | 15.3  | 22.9   |





#79

Terphenyl-d14

Concen: 76.741 ng

RT: 20.14 min Scan# 2902

Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

Instrument :

BNA\_G

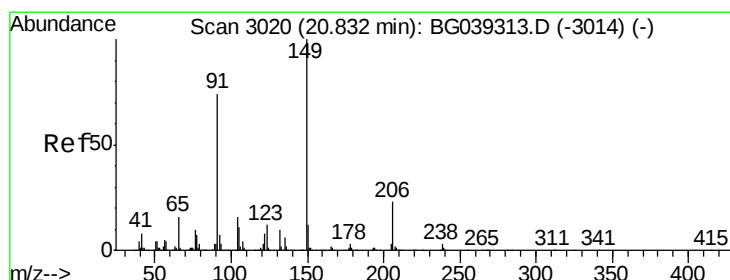
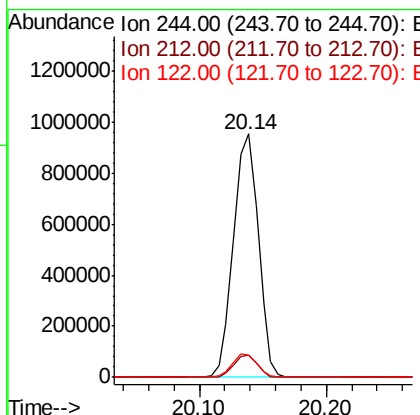
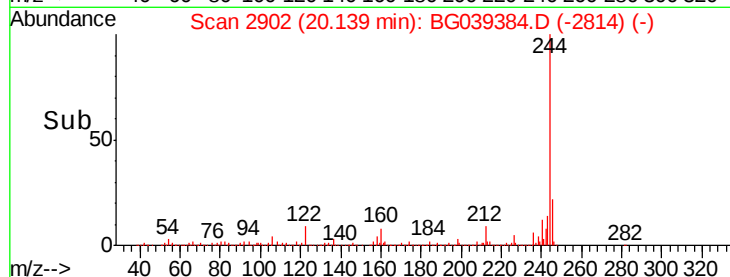
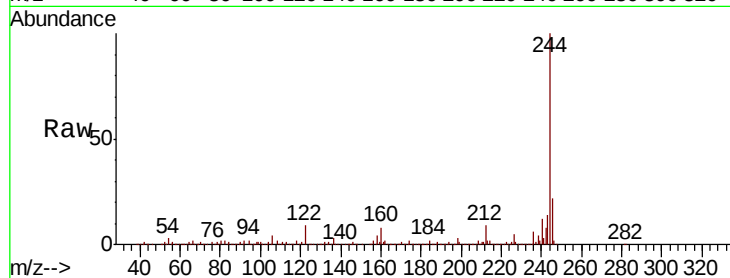
ClientSampleId :

PB116900BS

|          |       |       |         |
|----------|-------|-------|---------|
| Tot Ion: | 244   | Resp: | 1292724 |
| Ion      | Ratio | Lower | Upper   |
| 244      | 100   |       |         |
| 212      | 9.2   | 7.3   | 10.9    |
| 122      | 9.4   | 8.4   | 12.6    |

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2/11/2019 5:04:14 PM



#80

Butylbenzylphthalate

Concen: 40.878 ng

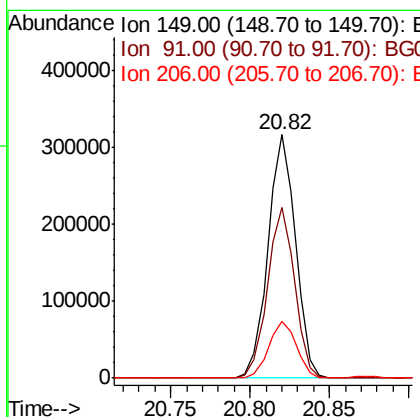
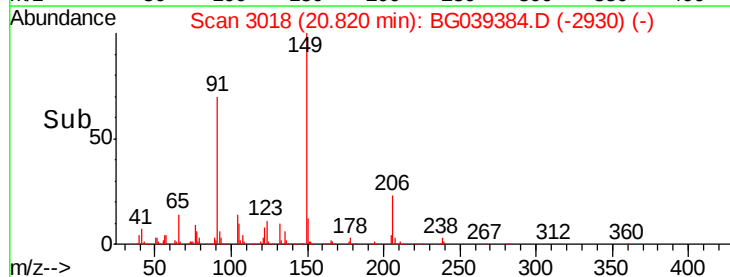
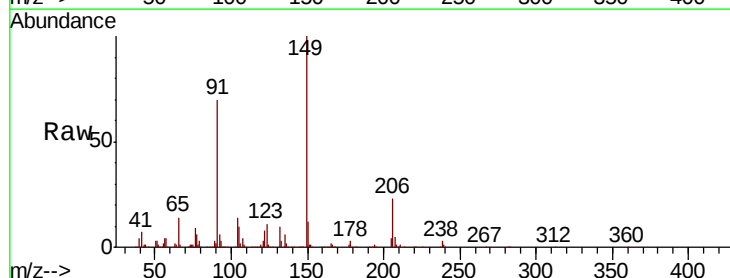
RT: 20.82 min Scan# 3018

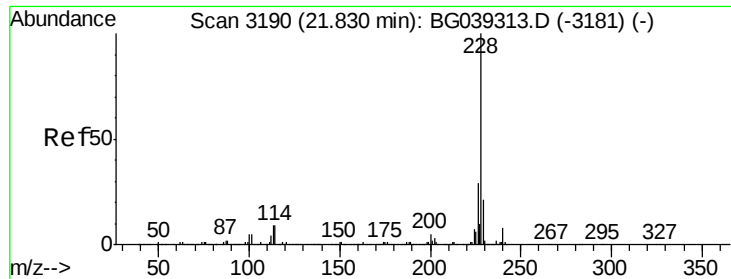
Delta R.T. -0.01 min

Lab File: BG039384.D

Acq: 7 Feb 2019 15:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 149   | Resp: | 382757 |
| Ion      | Ratio | Lower | Upper  |
| 149      | 100   |       |        |
| 91       | 70.2  | 59.5  | 89.3   |
| 206      | 23.4  | 18.6  | 27.8   |





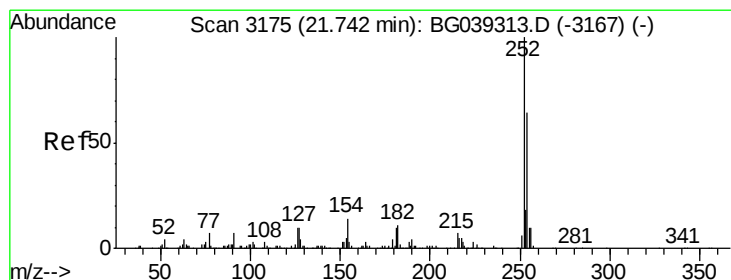
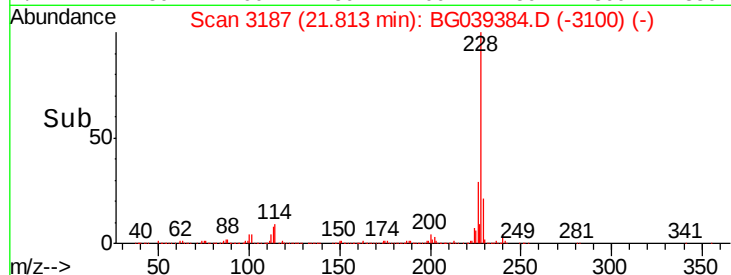
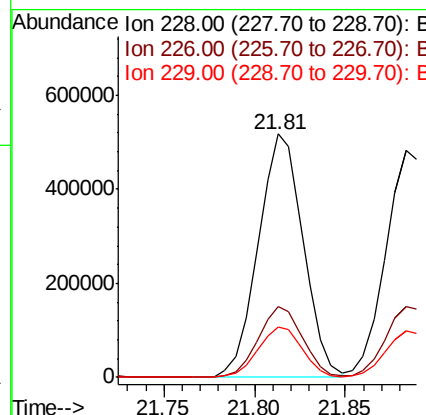
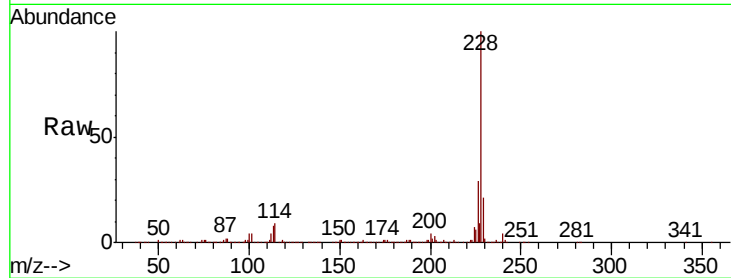
#81  
Benzo(a)anthracene  
Concen: 42.474 ng  
RT: 21.81 min Scan# 3187  
Delta R.T. -0.02 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 29.2  | 23.0  | 34.6  |
| 229     | 20.9  | 16.9  | 25.3  |

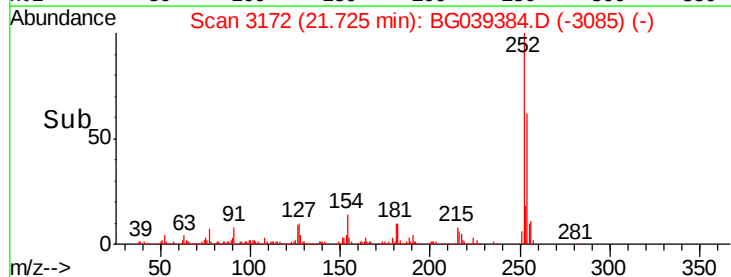
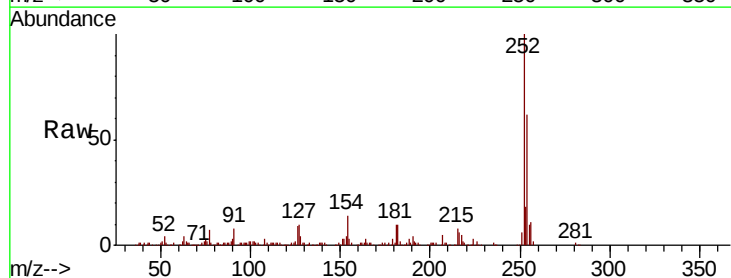
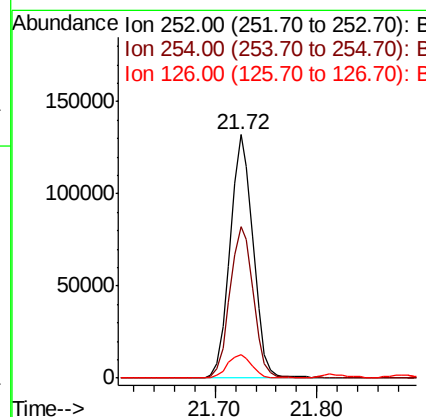
Manual Integrations  
APPROVED

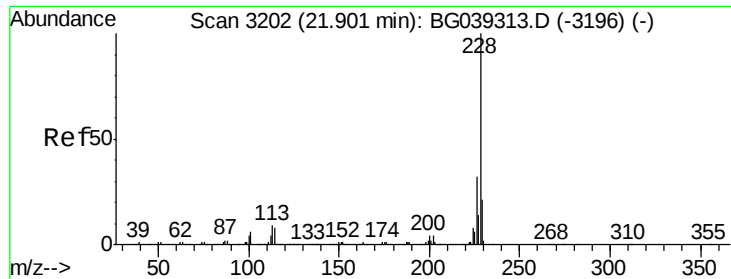
Sohil  
2/11/2019 5:04:14 PM



#82  
3,3'-Dichlorobenzidine  
Concen: 26.768 ng  
RT: 21.72 min Scan# 3172  
Delta R.T. -0.02 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 62.5  | 51.3  | 76.9  |
| 126     | 9.5   | 8.0   | 12.0  |





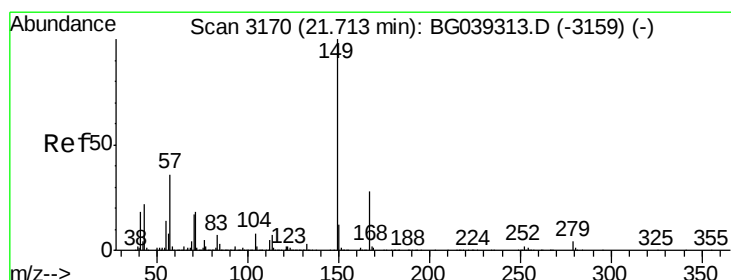
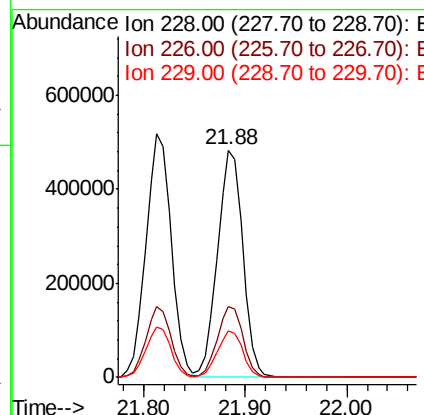
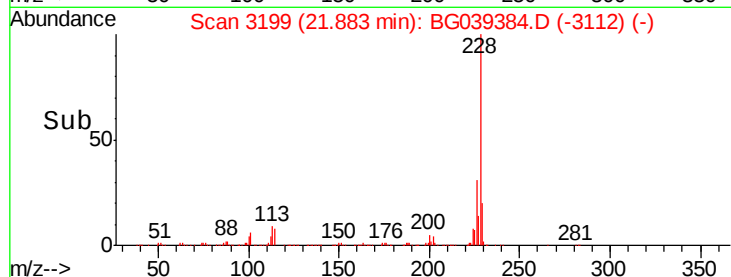
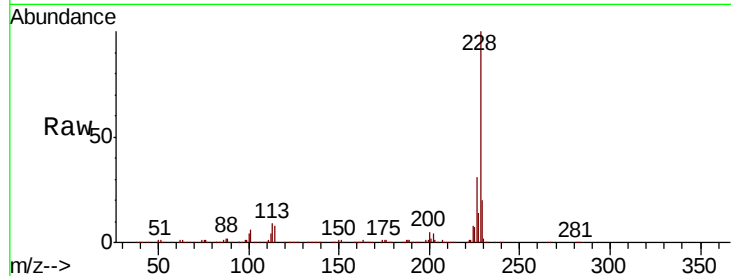
#83  
 Chrysene  
 Concen: 41.735 ng  
 RT: 21.88 min Scan# 3199  
 Delta R.T. -0.02 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 31.1  | 25.8  | 38.6  |
| 229     | 20.5  | 16.6  | 25.0  |

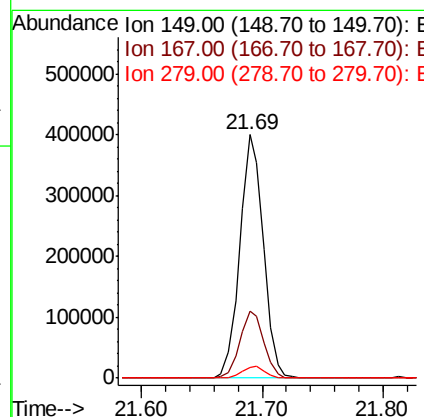
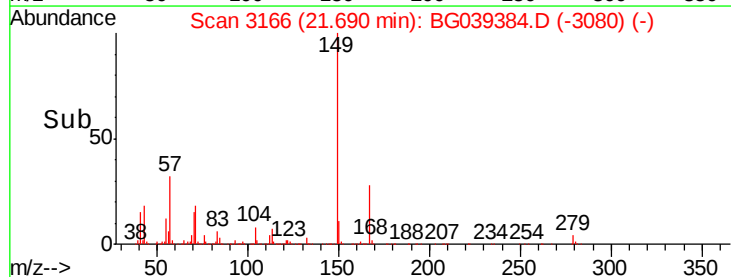
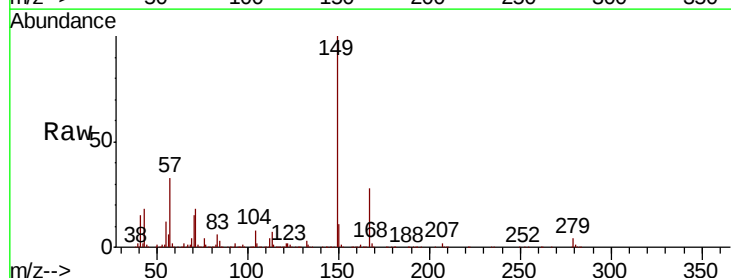
Manual Integrations  
 APPROVED

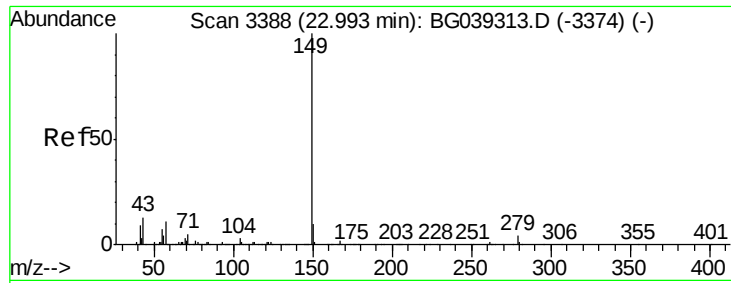
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 2/11/2019 5:04:14 PM



#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 40.537 ng  
 RT: 21.69 min Scan# 3166  
 Delta R.T. -0.02 min  
 Lab File: BG039384.D  
 Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 27.6  | 22.6  | 34.0  |
| 279     | 4.2   | 3.5   | 5.3   |





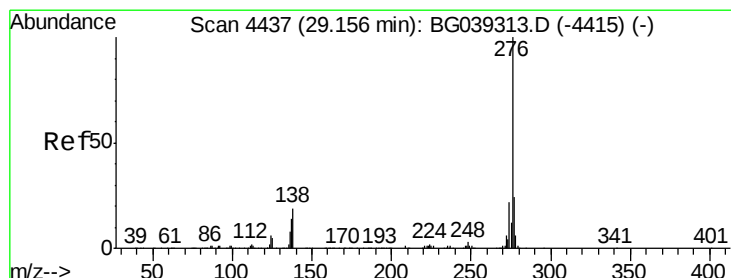
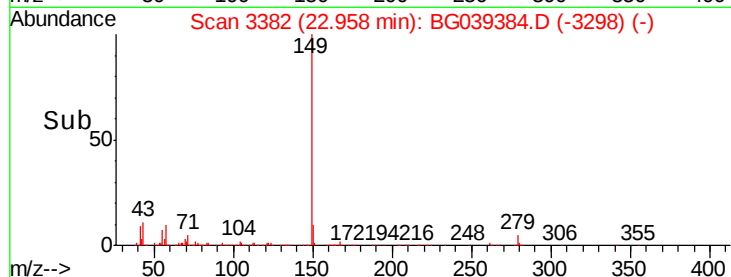
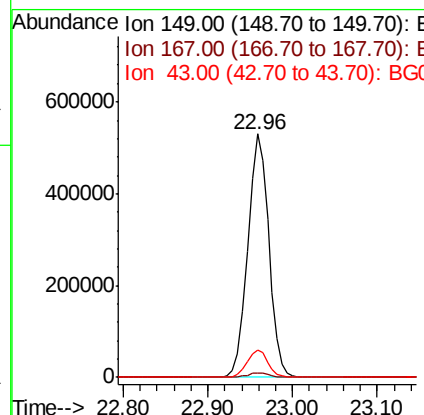
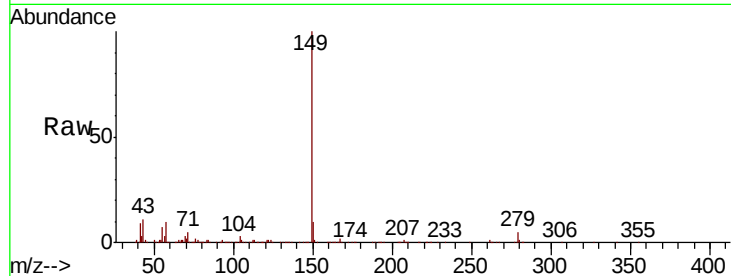
#85  
Di-n-octyl phthalate  
Concen: 41.324 ng  
RT: 22.96 min Scan# 3382  
Delta R.T. -0.04 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 911997 |       |       |
| 167     | 1.7   |        | 1.3   | 1.9   |
| 43      | 11.2  |        | 10.2  | 15.4  |

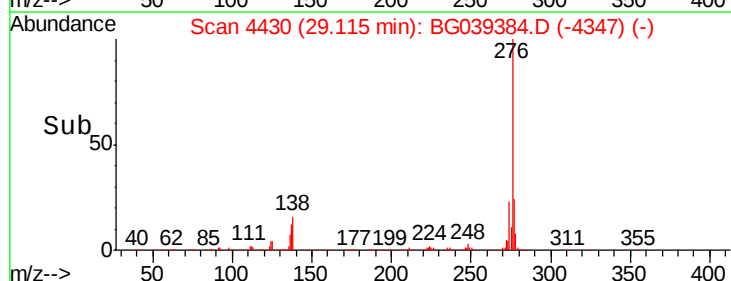
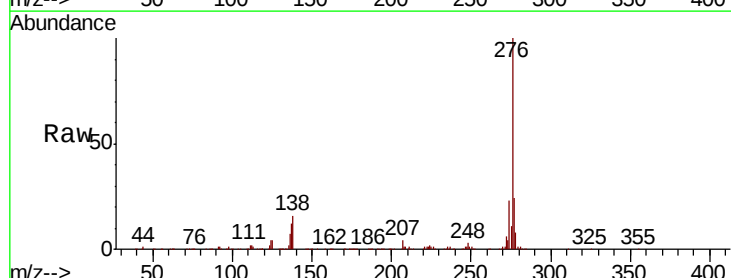
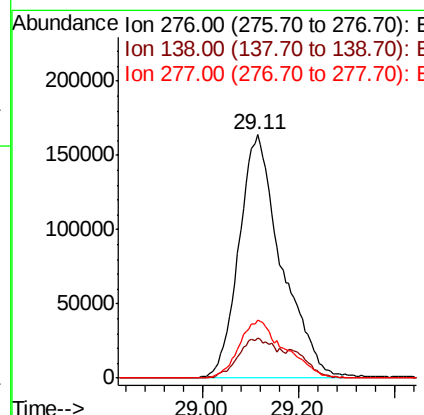
Manual Integrations  
APPROVED

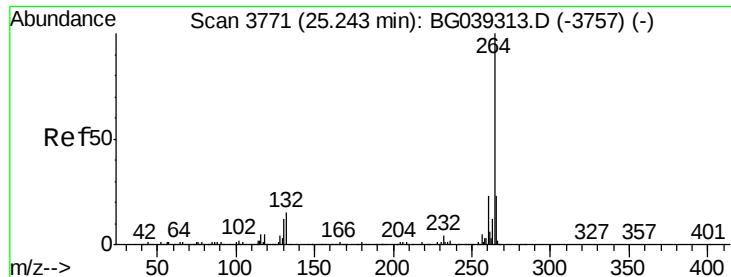
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2/11/2019 5:04:14 PM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 46.832 ng  
RT: 29.11 min Scan# 4430  
Delta R.T. -0.04 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Resp    | Lower | Upper |
|---------|-------|---------|-------|-------|
| 276     | 100   | 1007772 |       |       |
| 138     | 15.3  |         | 12.6  | 19.0  |
| 277     | 25.7  |         | 20.8  | 31.2  |





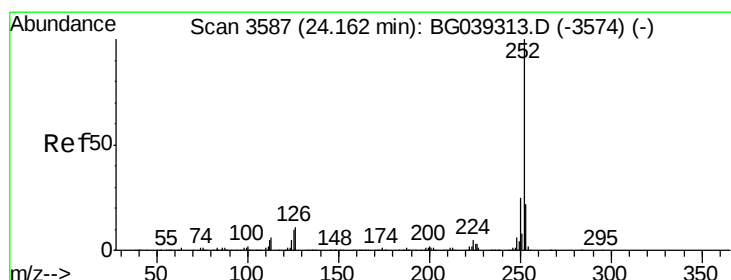
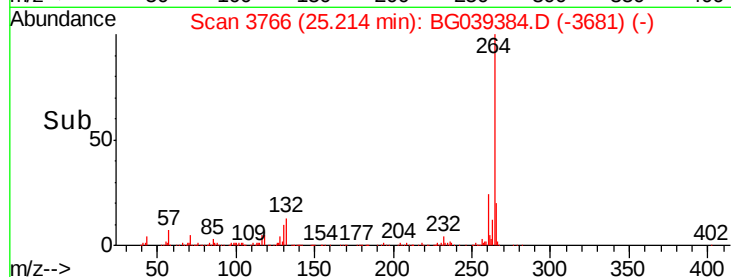
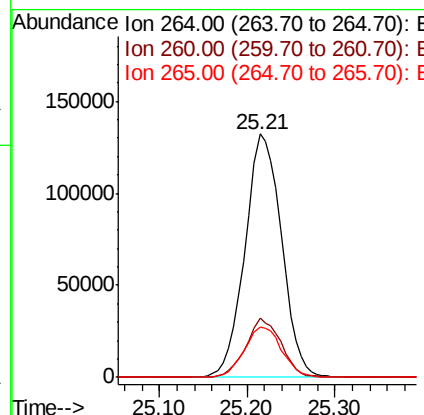
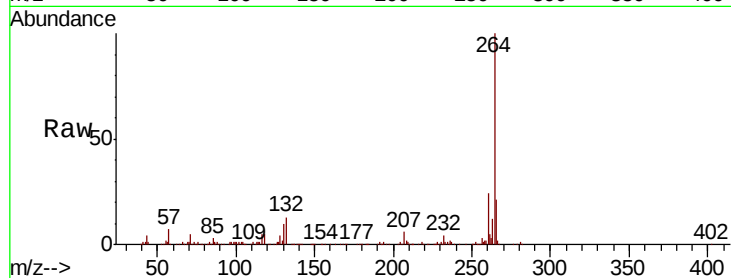
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.21 min Scan# 3766  
Delta R.T. -0.03 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.2  | 18.2  | 27.4  |
| 265     | 20.5  | 18.5  | 27.7  |

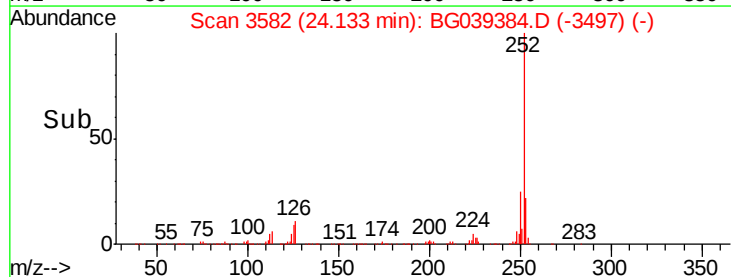
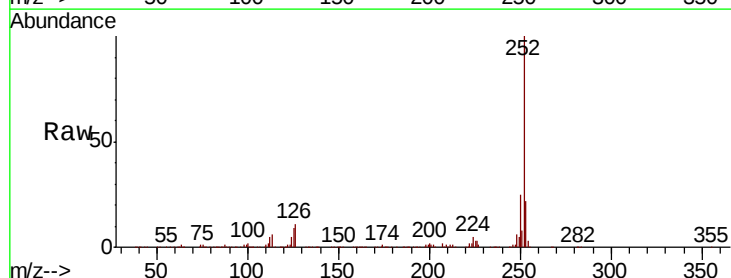
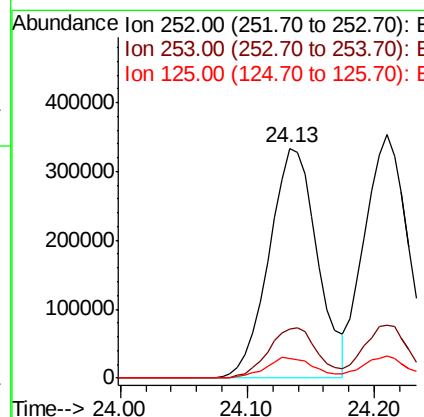
Manual Integrations  
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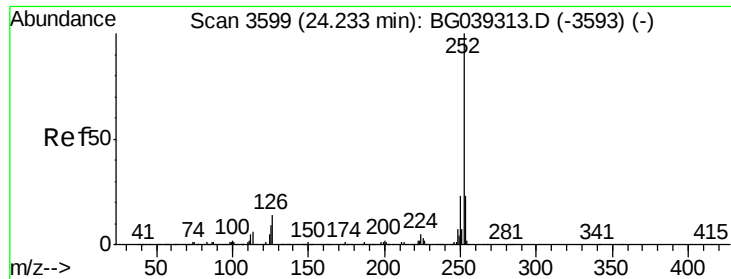
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2/11/2019 5:04:14 PM



#88  
Benzo(b)fluoranthene  
Concen: 43.265 ng  
RT: 24.13 min Scan# 3582  
Delta R.T. -0.03 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.6  | 17.8  | 26.8  |
| 125     | 8.8   | 7.8   | 11.6  |





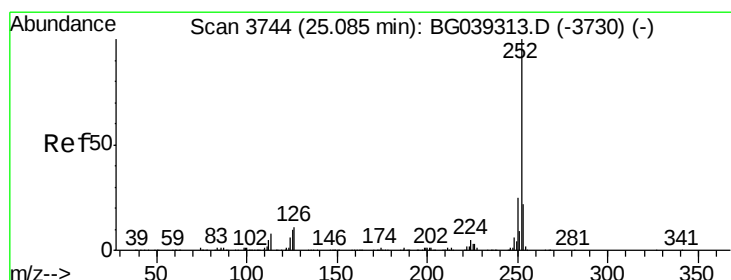
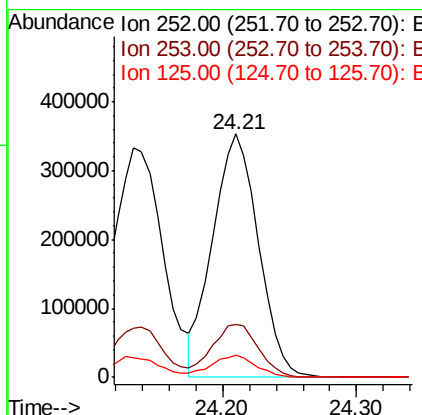
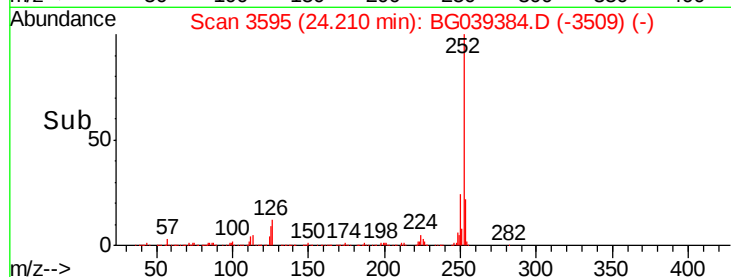
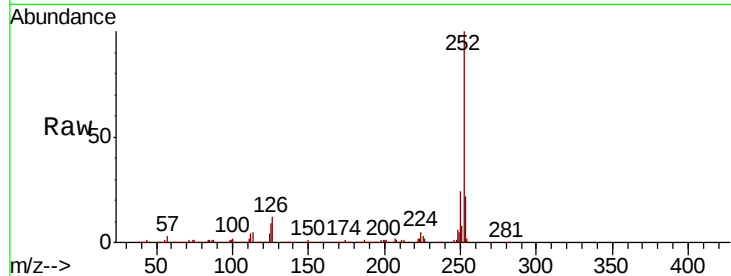
#89  
Benzo(k)fluoranthene  
Concen: 40.881 ng  
RT: 24.21 min Scan# 3595  
Delta R.T. -0.02 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.2  | 27.2  |
| 125     | 8.9   | 7.4   | 11.2  |

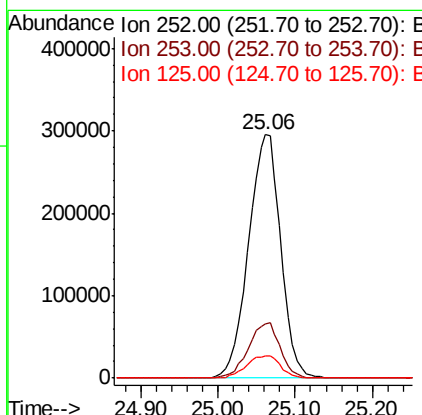
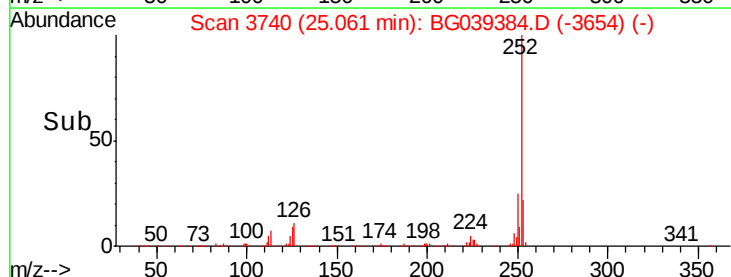
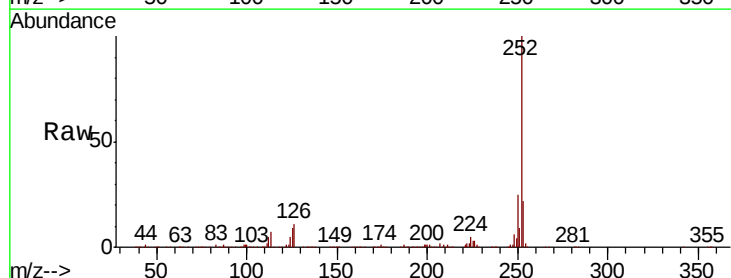
Manual Integrations  
APPROVED

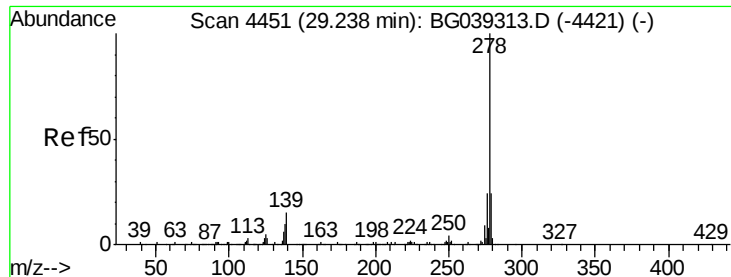
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2/11/2019 5:04:14 PM



#90  
Benzo(a)pyrene  
Concen: 43.708 ng  
RT: 25.06 min Scan# 3740  
Delta R.T. -0.02 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.4  | 17.9  | 26.9  |
| 125     | 9.4   | 8.3   | 12.5  |





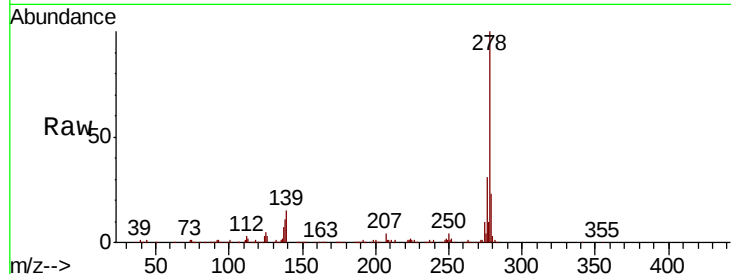
#91  
Dibenzo(a,h)anthracene  
Concen: 44.207 ng  
RT: 29.19 min Scan# 4443  
Delta R.T. -0.05 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB116900BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 14.5  | 11.7  | 17.5  |
| 279     | 23.5  | 19.1  | 28.7  |

Manual Integrations  
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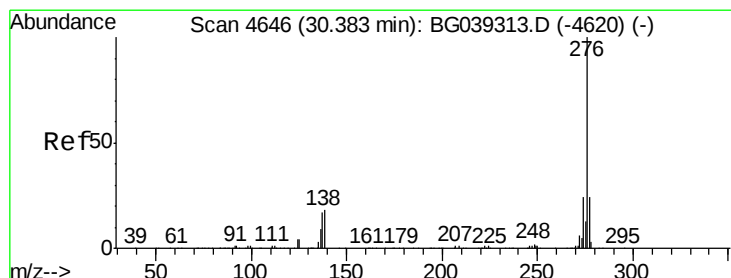
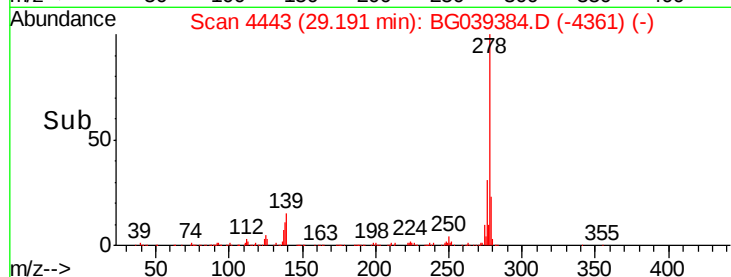
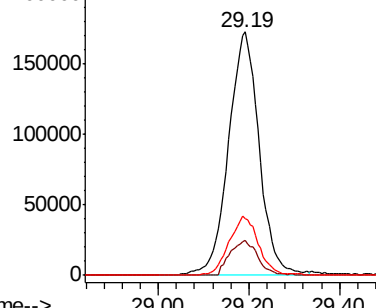


Abundance

Ion 278.00 (277.70 to 278.70): E

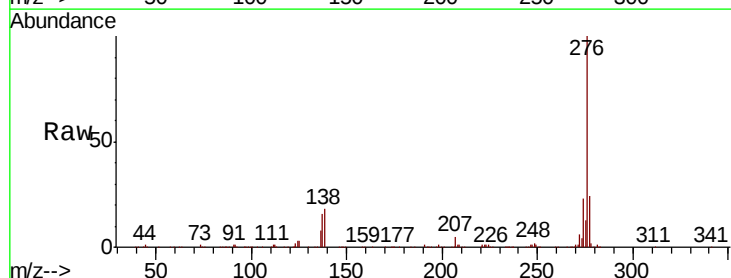
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 44.431 ng  
RT: 30.35 min Scan# 4640  
Delta R.T. -0.04 min  
Lab File: BG039384.D  
Acq: 7 Feb 2019 15:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.8  | 19.6  | 29.4  |
| 138     | 18.2  | 14.7  | 22.1  |



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

