

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG100118\  
 Data File : BG037087.D  
 Acq On : 1 Oct 2018 22:12  
 Operator : JU/SJ  
 Sample : J5170-06MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

Manual Integrations  
 APPROVED

Sohil  
 10/2/2018 5:20:46 PM

Quant Time: Oct 02 06:43:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.04  | 152  | 52813    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.85 | 136  | 217309   | 20.00 | ng    | 0.00     |
| 38) Acenaphthene-d10      | 14.66 | 164  | 141673   | 20.00 | ng    | 0.00     |
| 63) Phenanthrene-d10      | 17.41 | 188  | 349985   | 20.00 | ng    | 0.00     |
| 75) Chrysene-d12          | 21.68 | 240  | 358129   | 20.00 | ng    | 0.00     |
| 86) Perylene-d12          | 24.88 | 264  | 366125   | 20.00 | ng    | -0.02    |

## System Monitoring Compounds

|                          |       |     |         |        |    |      |
|--------------------------|-------|-----|---------|--------|----|------|
| 5) 2-Fluorophenol        | 5.62  | 112 | 312886  | 113.62 | ng | 0.00 |
| 7) Phenol-d6             | 7.20  | 99  | 401375  | 94.20  | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.20  | 82  | 323181  | 79.64  | ng | 0.00 |
| 41) 2,4,6-Tribromophenol | 16.16 | 330 | 201493  | 118.87 | ng | 0.00 |
| 44) 2-Fluorobiphenyl     | 13.29 | 172 | 695263  | 73.09  | ng | 0.00 |
| 78) Terphenyl-d14        | 20.02 | 244 | 1219714 | 89.56  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.53  | 88  | 43699  | 34.678 | ng | # 78   |
| 3) Pyridine                    | 3.93  | 79  | 118591 | 32.593 | ng | 98     |
| 4) n-Nitrosodimethylamine      | 3.84  | 42  | 68867  | 42.586 | ng | # 94   |
| 6) Aniline                     | 7.37  | 93  | 86464  | 15.640 | ng | 99     |
| 8) 2-Chlorophenol              | 7.61  | 128 | 134708 | 42.128 | ng | 95     |
| 9) Benzaldehyde                | 7.18  | 77  | 72969  | 25.918 | ng | 97     |
| 10) Phenol                     | 7.23  | 94  | 150841 | 34.303 | ng | 95     |
| 11) bis(2-Chloroethyl)ether    | 7.46  | 93  | 146215 | 35.947 | ng | 99     |
| 12) 1,3-Dichlorobenzene        | 7.93  | 146 | 139135 | 35.492 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.07  | 146 | 144376 | 35.988 | ng | 99     |
| 14) 1,2-Dichlorobenzene        | 8.39  | 146 | 135711 | 34.908 | ng | 95     |
| 15) Benzyl Alcohol             | 8.28  | 79  | 123128 | 35.615 | ng | 97     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.56  | 45  | 289430 | 37.064 | ng | 98     |
| 17) 2-Methylphenol             | 8.48  | 107 | 116345 | 37.984 | ng | 97     |
| 18) Hexachloroethane           | 9.12  | 117 | 54649  | 37.017 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.84  | 70  | 124478 | 35.119 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.81  | 107 | 158354 | 37.162 | ng | 98     |
| 22) Acetophenone               | 8.86  | 105 | 220302 | 43.140 | ng | 96     |
| 24) Nitrobenzene               | 9.25  | 77  | 181423 | 41.865 | ng | 98     |
| 25) Isophorone                 | 9.76  | 82  | 350682 | 47.295 | ng | 99     |
| 26) 2-Nitrophenol              | 9.96  | 139 | 76728  | 44.420 | ng | 99     |
| 27) 2,4-Dimethylphenol         | 10.01 | 122 | 132307 | 49.173 | ng | 99     |
| 28) bis(2-Chloroethoxy)methane | 10.25 | 93  | 200039 | 43.721 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.49 | 162 | 139619 | 44.763 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.70 | 180 | 152341 | 39.028 | ng | 99     |
| 31) Naphthalene                | 10.89 | 128 | 492521 | 47.634 | ng | 99     |
| 32) Benzoic acid               | 10.14 | 122 | 24339m | 16.194 | ng |        |
| 33) 4-Chloroaniline            | 11.02 | 127 | 13384  | 2.847  | ng | 95     |
| 34) Hexachlorobutadiene        | 11.17 | 225 | 100951 | 37.398 | ng | 96     |
| 35) Caprolactam                | 11.78 | 113 | 37368m | 29.108 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.12 | 107 | 167635 | 45.043 | ng | 97     |
| 37) 2-Methylnaphthalene        | 12.50 | 142 | 350708 | 44.535 | ng | 97     |
| 39) 1,2,4,5-Tetrachlorobenzene | 12.86 | 216 | 191315 | 38.718 | ng | 99     |
| 40) Hexachlorocyclopentadiene  | 12.84 | 237 | 209016 | 82.247 | ng | 98     |

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 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

Manual Integrations  
 APPROVED

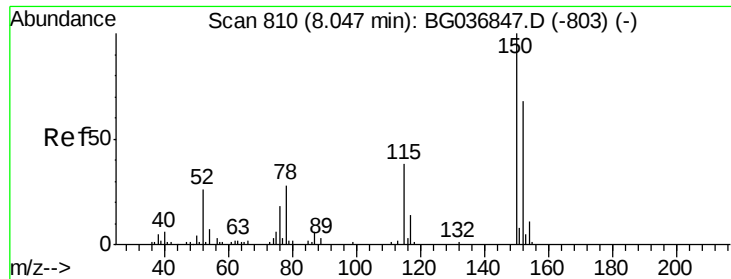
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 10/2/2018 5:20:46 PM

Quant Time: Oct 02 06:43:34 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092018.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Sep 24 10:41:23 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 42) 2,4,6-Trichlorophenol      | 13.10 | 196  | 118667   | 43.247 | ng    | 97       |
| 43) 2,4,5-Trichlorophenol      | 13.17 | 196  | 130987   | 44.769 | ng    | 98       |
| 45) 1,1'-Biphenyl              | 13.50 | 154  | 449139   | 41.395 | ng    | 97       |
| 46) 2-Chloronaphthalene        | 13.54 | 162  | 340358   | 39.889 | ng    | 98       |
| 47) 2-Nitroaniline             | 13.75 | 65   | 130125   | 44.090 | ng    | 95       |
| 48) Acenaphthylene             | 14.39 | 152  | 592571   | 44.318 | ng    | 99       |
| 49) Dimethylphthalate          | 14.12 | 163  | 477381   | 41.862 | ng    | 99       |
| 50) 2,6-Dinitrotoluene         | 14.24 | 165  | 105602   | 42.443 | ng    | 96       |
| 51) Acenaphthene               | 14.73 | 154  | 339860   | 42.057 | ng    | 99       |
| 52) 3-Nitroaniline             | 14.58 | 138  | 29925    | 11.414 | ng    | 95       |
| 53) 2,4-Dinitrophenol          | 14.78 | 184  | 36569    | 36.013 | ng    | 90       |
| 54) Dibenzofuran               | 15.06 | 168  | 562058   | 41.120 | ng    | 99       |
| 55) 4-Nitrophenol              | 14.89 | 139  | 123698   | 73.853 | ng    | 93       |
| 56) 2,4-Dinitrotoluene         | 15.03 | 165  | 150847   | 43.449 | ng    | 95       |
| 57) Fluorene                   | 15.71 | 166  | 460206   | 45.045 | ng    | 97       |
| 58) 2,3,4,6-Tetrachlorophenol  | 15.29 | 232  | 133631   | 45.022 | ng    | 99       |
| 59) Diethylphthalate           | 15.48 | 149  | 483676   | 42.052 | ng    | 99       |
| 60) 4-Chlorophenyl-phenylether | 15.70 | 204  | 251630   | 38.891 | ng    | 99       |
| 61) 4-Nitroaniline             | 15.74 | 138  | 113270   | 41.072 | ng    | 93       |
| 62) Azobenzene                 | 16.00 | 77   | 486471   | 44.018 | ng    | 98       |
| 64) 4,6-Dinitro-2-methylphenol | 15.79 | 198  | 54603    | 29.841 | ng    | 99       |
| 65) n-Nitrosodiphenylamine     | 15.92 | 169  | 418300   | 43.293 | ng    | 96       |
| 66) 4-Bromophenyl-phenylether  | 16.60 | 248  | 163481   | 41.066 | ng    | 98       |
| 67) Hexachlorobenzene          | 16.72 | 284  | 165882   | 40.459 | ng    | 99       |
| 68) Atrazine                   | 16.87 | 200  | 175950   | 44.974 | ng    | 100      |
| 69) Pentachlorophenol          | 17.06 | 266  | 155701   | 60.317 | ng    | 97       |
| 70) Phenanthrene               | 17.46 | 178  | 778947   | 46.186 | ng    | 98       |
| 71) Anthracene                 | 17.54 | 178  | 796214   | 47.744 | ng    | 100      |
| 72) Carbazole                  | 17.81 | 167  | 711242   | 43.742 | ng    | 98       |
| 73) Di-n-butylphthalate        | 18.37 | 149  | 829517   | 45.938 | ng    | 100      |
| 74) Fluoranthene               | 19.46 | 202  | 950918   | 46.840 | ng    | 99       |
| 76) Benzidine                  | 19.64 | 184  | 167842   | 15.503 | ng    | 98       |
| 77) Pyrene                     | 19.82 | 202  | 943575   | 43.906 | ng    | 99       |
| 79) Butylbenzylphthalate       | 20.70 | 149  | 386375   | 45.105 | ng    | 95       |
| 80) Benzo(a)anthracene         | 21.66 | 228  | 927372   | 44.360 | ng    | 100      |
| 81) 3,3'-Dichlorobenzidine     | 21.57 | 252  | 146185   | 18.371 | ng    | 98       |
| 82) Chrysene                   | 21.73 | 228  | 887011   | 43.913 | ng    | 99       |
| 83) Bis(2-ethylhexyl)phthalate | 21.56 | 149  | 539363   | 45.072 | ng    | 99       |
| 84) Di-n-octyl phthalate       | 22.76 | 149  | 907424   | 46.056 | ng    | 99       |
| 85) Indeno(1,2,3-cd)pyrene     | 28.53 | 276  | 1016165  | 46.848 | ng    | 97       |
| 87) Benzo(b)fluoranthene       | 23.87 | 252  | 888297   | 45.526 | ng    | 97       |
| 88) Benzo(k)fluoranthene       | 23.93 | 252  | 917180   | 46.854 | ng    | 100      |
| 89) Benzo(a)pyrene             | 24.73 | 252  | 890033   | 47.183 | ng    | 99       |
| 90) Dibenzo(a,h)anthracene     | 28.58 | 278  | 826914   | 46.774 | ng    | 98       |
| 91) Benzo(g,h,i)perylene       | 29.66 | 276  | 823522   | 46.414 | ng    | 99       |

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.04 min Scan# 808

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

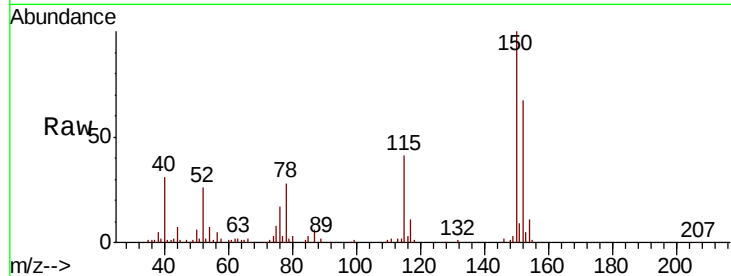
ClientSampled :

HC-SOIL-1MSD

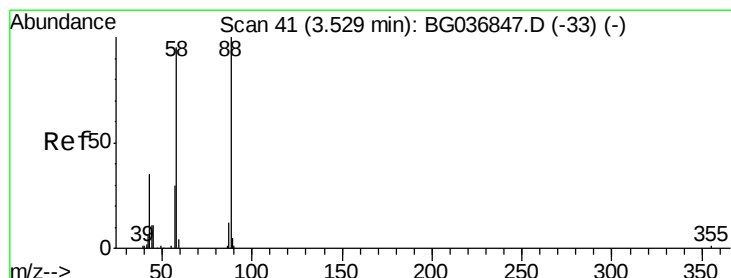
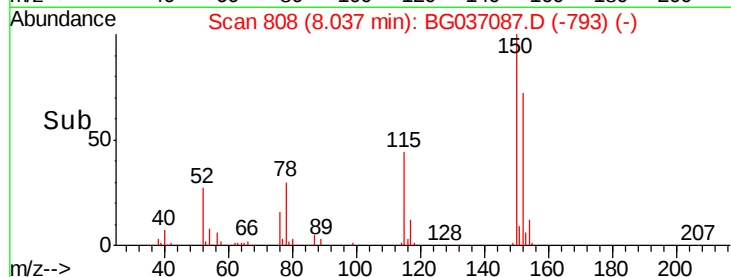
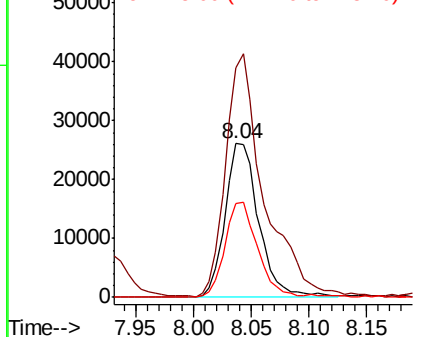
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 152   | Resp: | 52813 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 150       | 149.1 | 119.5 | 179.3 |
| 115       | 61.0  | 44.5  | 66.7  |

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



#2

1,4-Dioxane

Concen: 34.678 ng

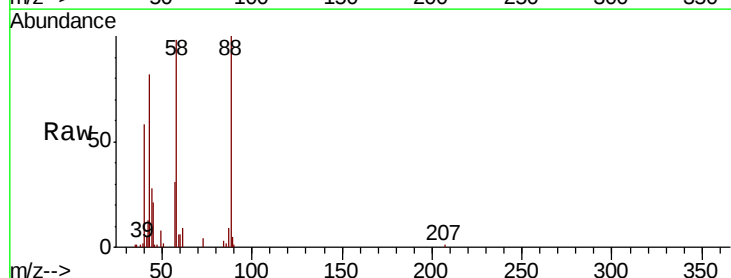
RT: 3.53 min Scan# 41

Delta R.T. 0.00 min

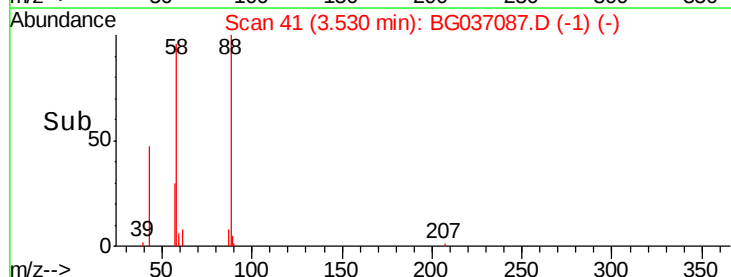
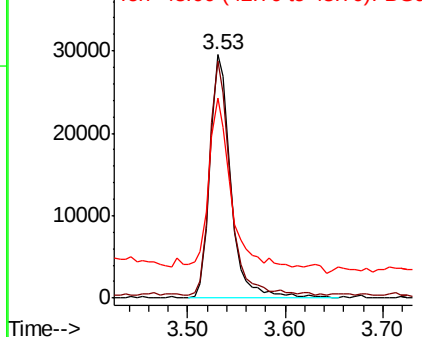
Lab File: BG037087.D

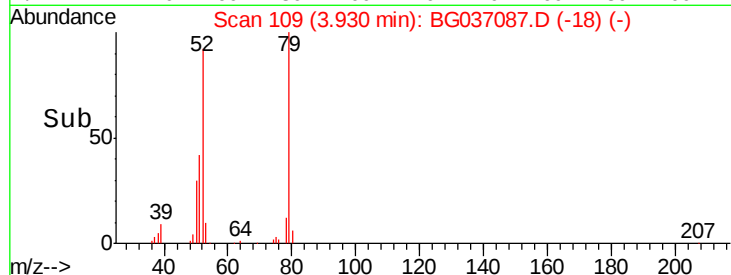
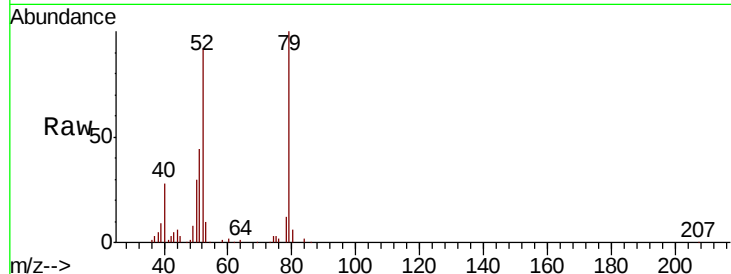
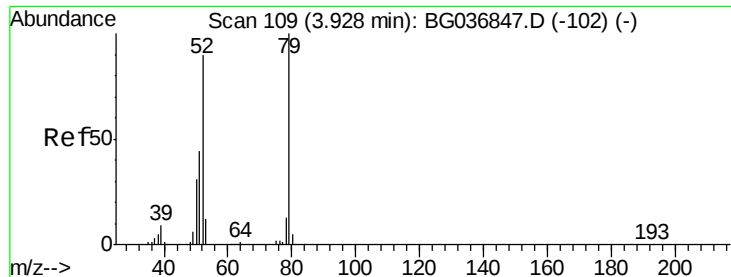
Acq: 1 Oct 2018 22:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 88    | Resp: | 43699 |
| Ion Ratio | Lower | Upper |       |
| 88        | 100   |       |       |
| 58        | 97.5  | 72.6  | 109.0 |
| 43        | 72.1  | 29.0  | 43.4# |



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





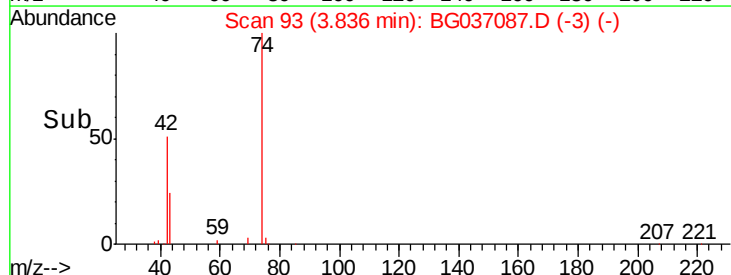
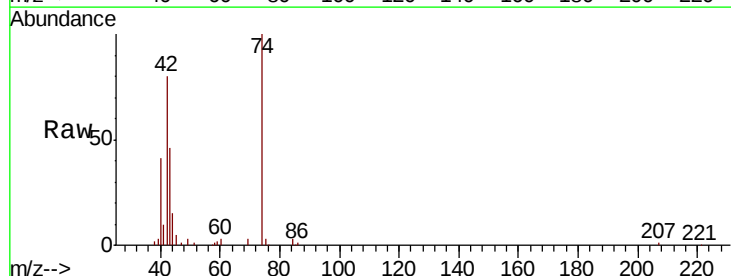
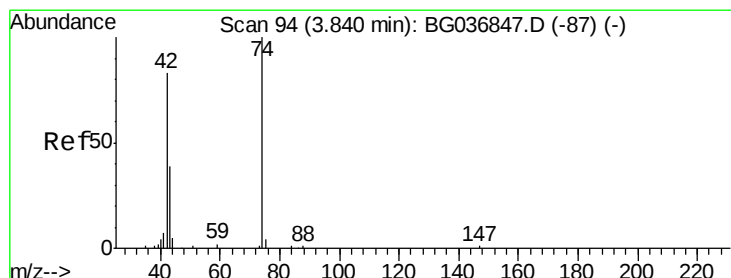
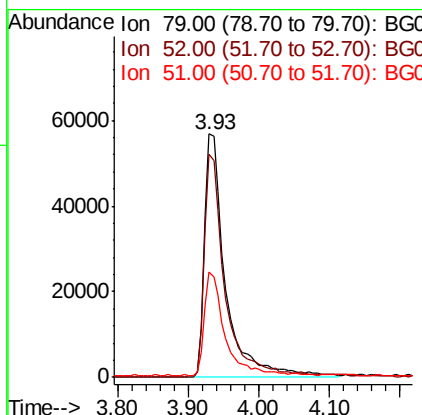
#3  
 Pvridine  
 Concen: 32.593 ng  
 RT: 3.93 min Scan# 109  
 Delta R.T. 0.00 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 91.6  | 72.3  | 108.5 |
| 51      | 43.5  | 33.8  | 50.6  |

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

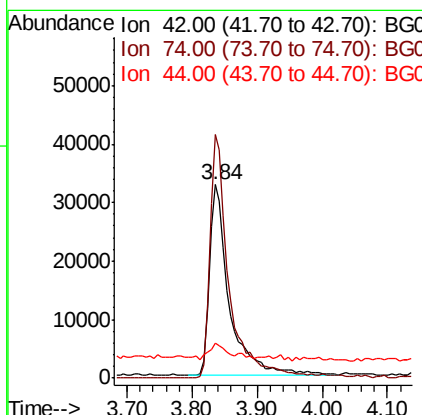
Manual Integrations  
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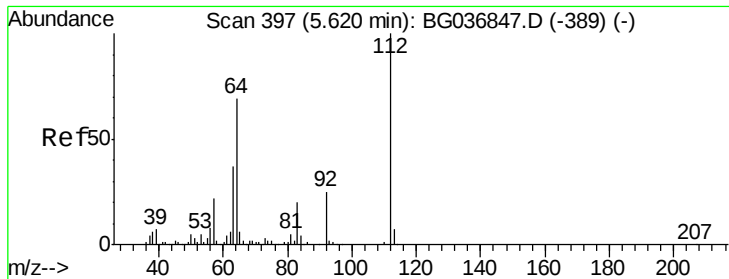
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#4  
 n-Nitrosodimethylamine  
 Concen: 42.586 ng  
 RT: 3.84 min Scan# 93  
 Delta R.T. -0.00 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 125.8 | 96.6  | 145.0 |
| 44      | 18.4  | 7.0   | 10.4  |





#5

2-Fluorophenol

Concen: 113.617 ng

RT: 5.62 min Scan# 396

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

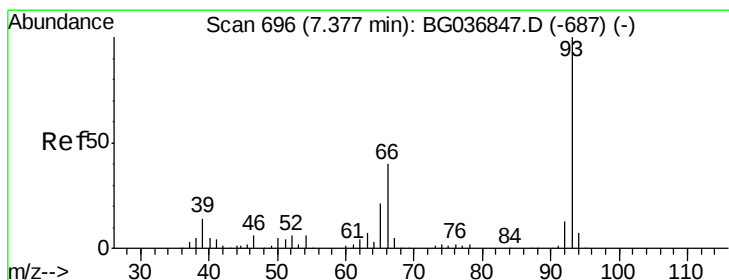
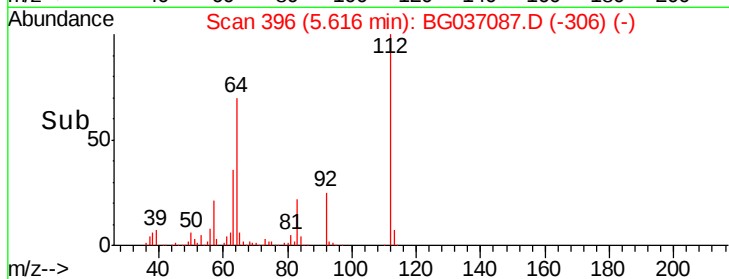
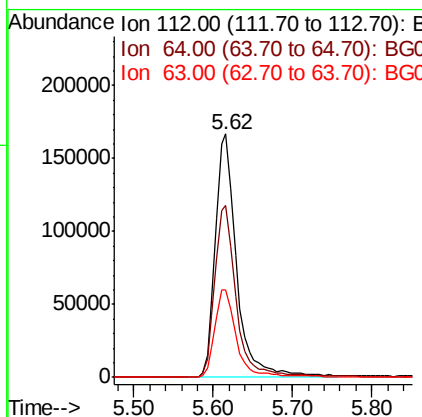
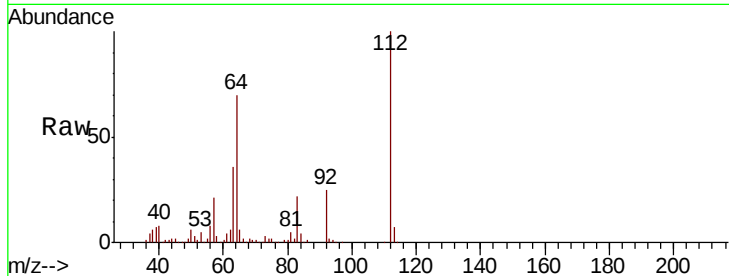
ClientSampleId :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 312886 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 70.4  | 57.2  | 85.8   |
| 63        | 35.8  | 30.8  | 46.2   |

Manual Integrations  
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#6

Aniline

Concen: 15.640 ng

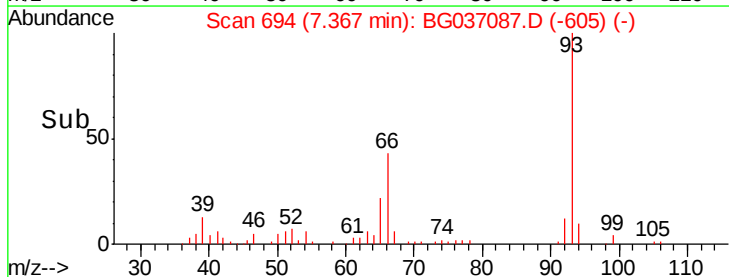
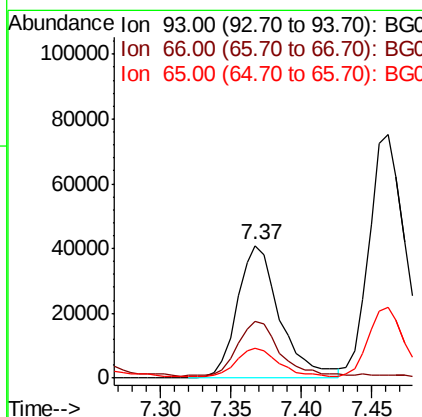
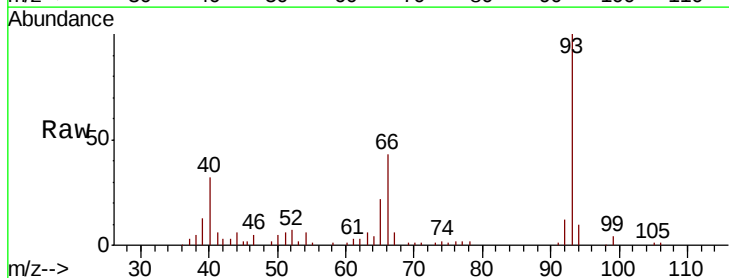
RT: 7.37 min Scan# 694

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 86464 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 42.7  | 35.0  | 52.4  |
| 65        | 22.3  | 17.6  | 26.4  |





#7

Phenol-d6

Concen: 94.204 ng

RT: 7.20 min Scan# 666

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

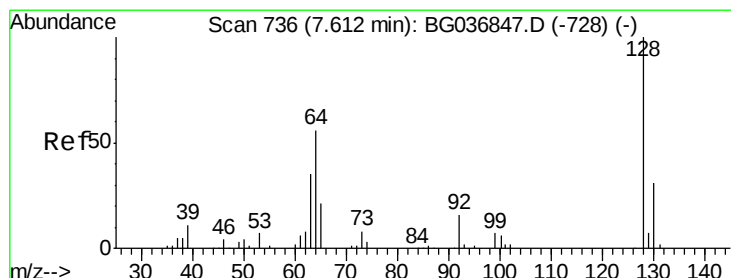
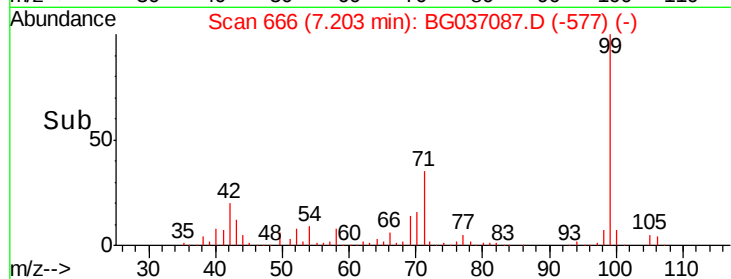
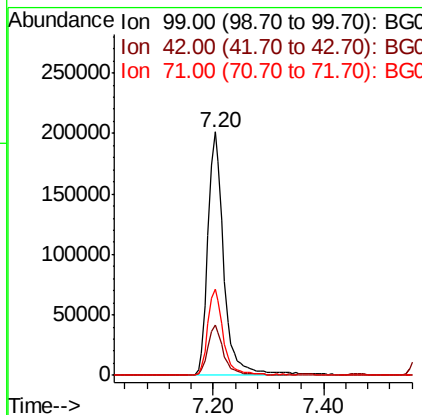
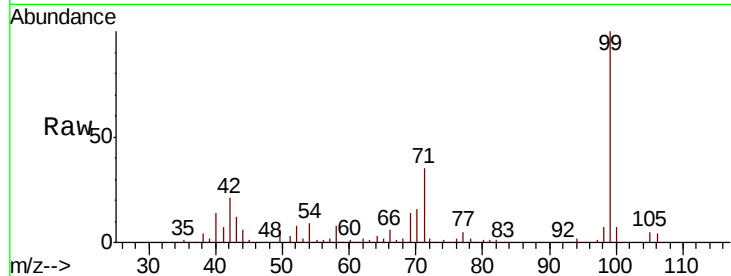
ClientSampled :

HC-SOIL-1MSD

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 99    | Resp: | 401375 |
| Ion      | Ratio | Lower | Upper  |
| 99       | 100   |       |        |
| 42       | 20.6  | 16.5  | 24.7   |
| 71       | 35.4  | 29.4  | 44.2   |

Manual Integrations  
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#8

2-Chlorophenol

Concen: 42.128 ng

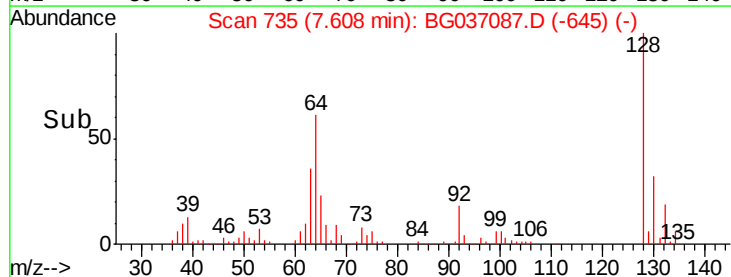
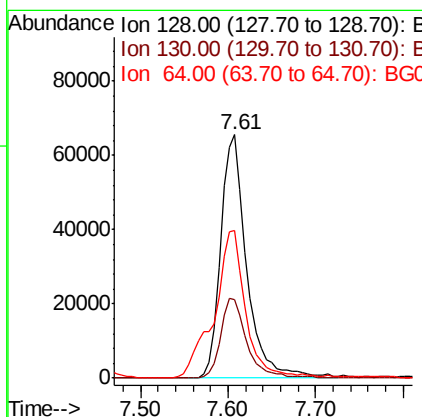
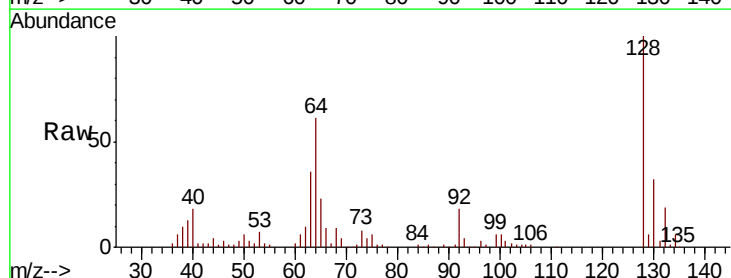
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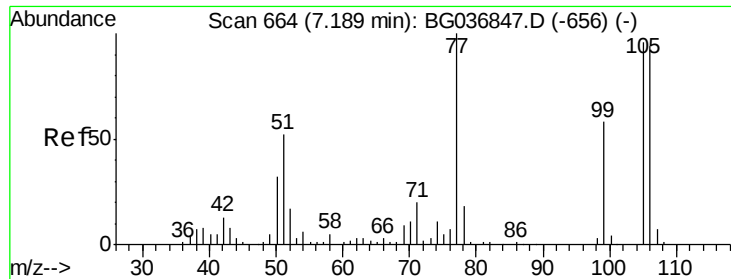
Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 134708 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 130      | 32.0  | 10.0  | 50.0   |
| 64       | 60.7  | 36.0  | 76.0   |





#9

Benzaldehyde

Concen: 25.918 ng

RT: 7.18 min Scan# 662

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

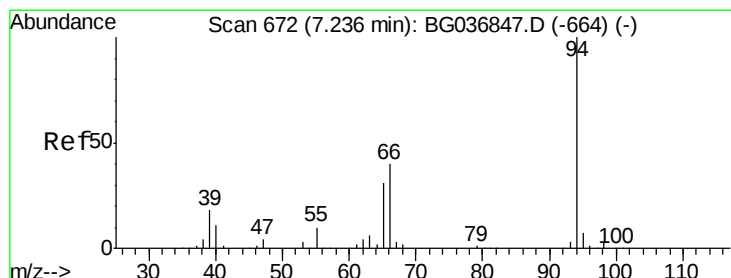
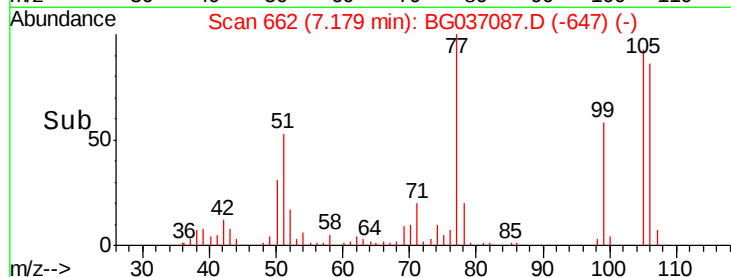
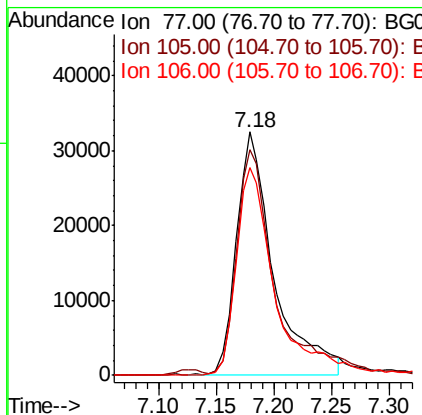
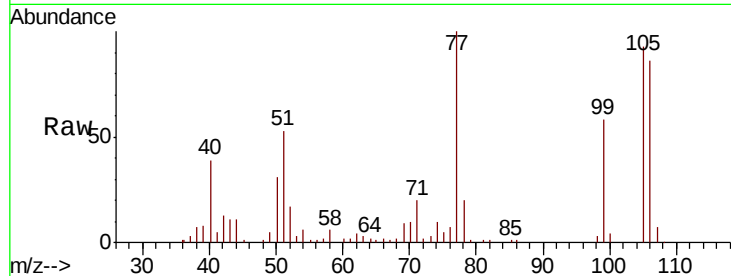
ClientSampleId :

HC-SOIL-1MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 77    | Resp: | 72969 |
| Ion Ratio | Lower | Upper |       |
| 77        | 100   |       |       |
| 105       | 92.5  | 70.5  | 110.5 |
| 106       | 85.6  | 69.8  | 109.8 |

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#10

Phenol

Concen: 34.303 ng

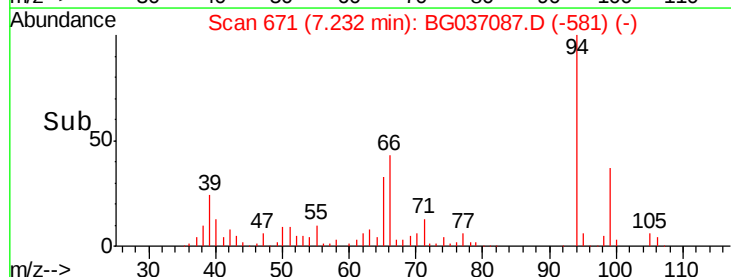
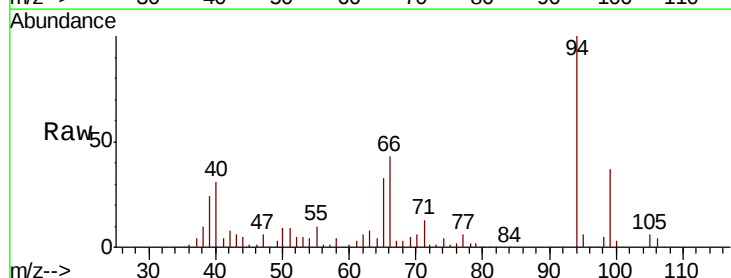
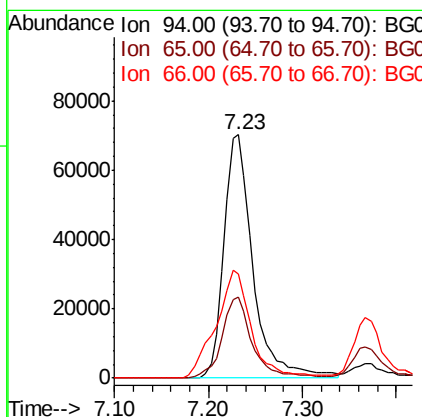
RT: 7.23 min Scan# 671

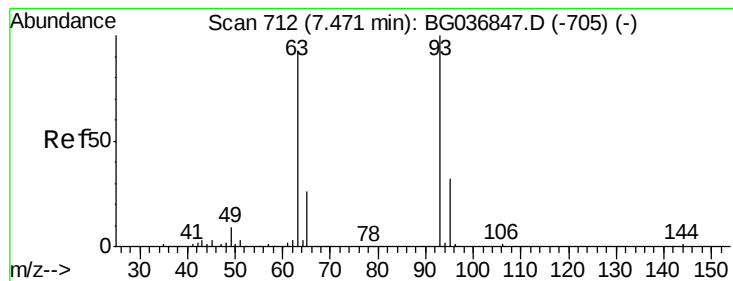
Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 94    | Resp: | 150841 |
| Ion Ratio | Lower | Upper |        |
| 94        | 100   |       |        |
| 65        | 33.3  | 11.5  | 51.5   |
| 66        | 42.9  | 19.5  | 59.5   |





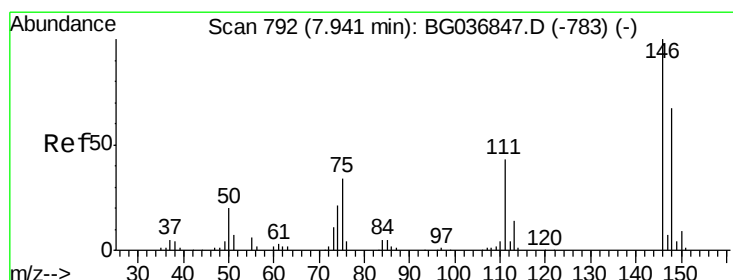
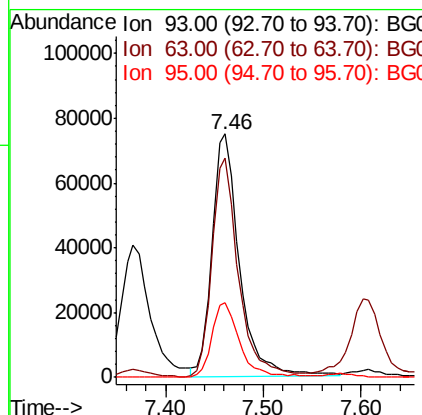
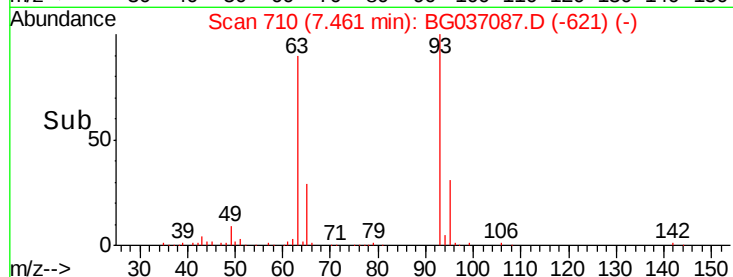
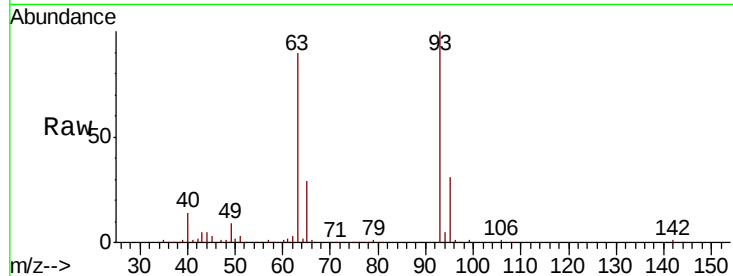
#11  
bis(2-Chloroethyl)ether  
Concen: 35.947 ng  
RT: 7.46 min Scan# 710  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 90.3  | 69.9  | 109.9 |
| 95      | 30.9  | 11.7  | 51.7  |

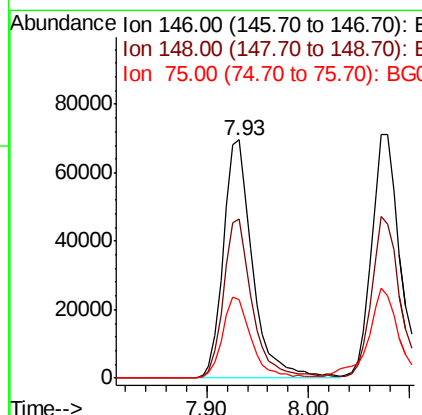
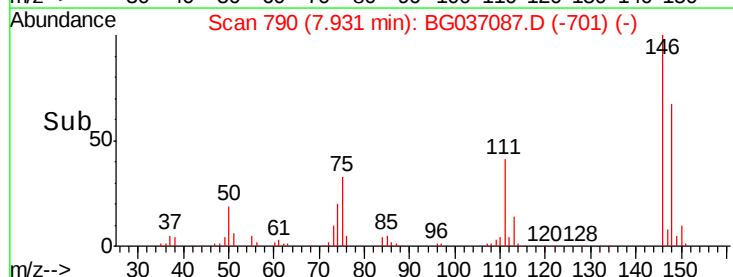
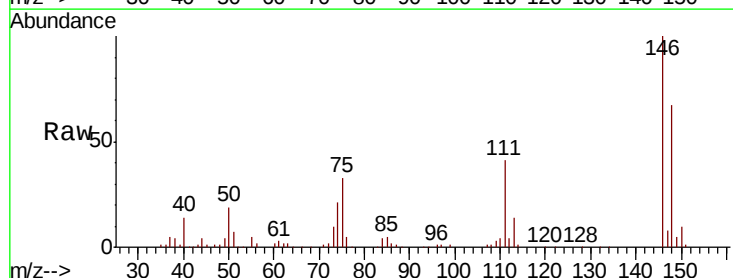
Manual Integrations  
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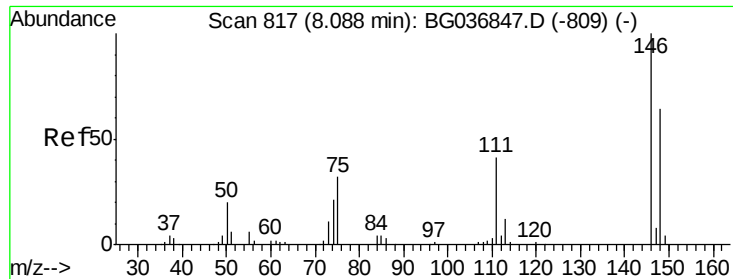
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#12  
1,3-Dichlorobenzene  
Concen: 35.492 ng  
RT: 7.93 min Scan# 790  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.7  | 53.8  | 80.6  |
| 75      | 33.2  | 27.2  | 40.8  |





#13

1,4-Dichlorobenzene

Concen: 35.988 ng

RT: 8.07 min Scan# 814

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

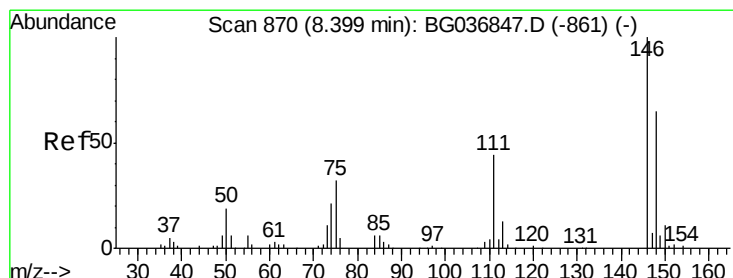
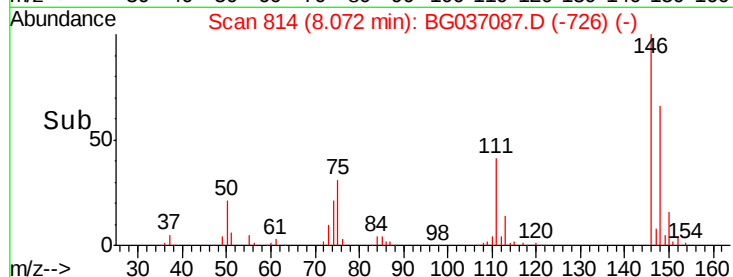
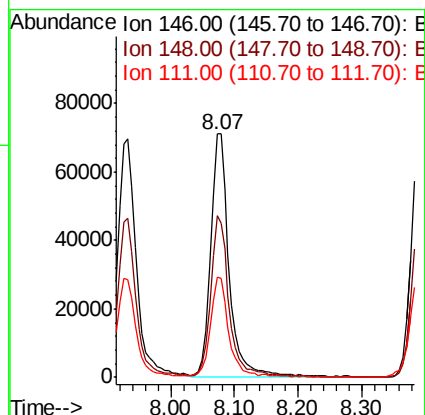
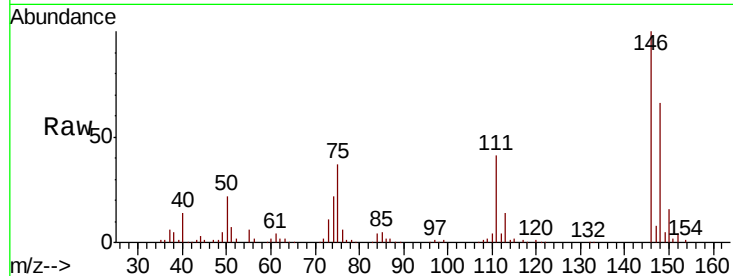
ClientSampleId :

HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 66.4  | 53.9  | 80.9  |
| 111     | 41.3  | 33.8  | 50.6  |

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#14

1,2-Dichlorobenzene

Concen: 34.908 ng

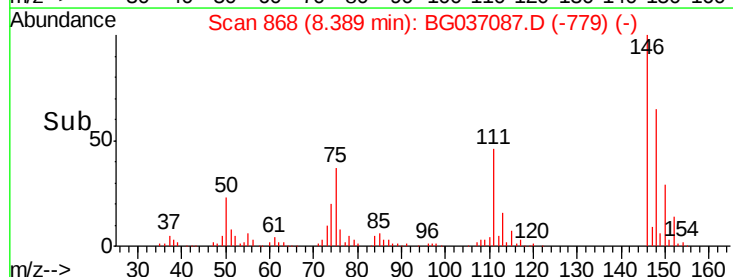
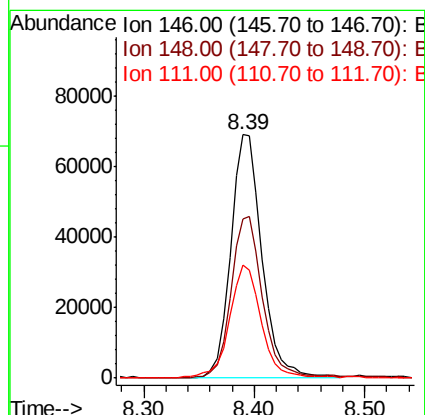
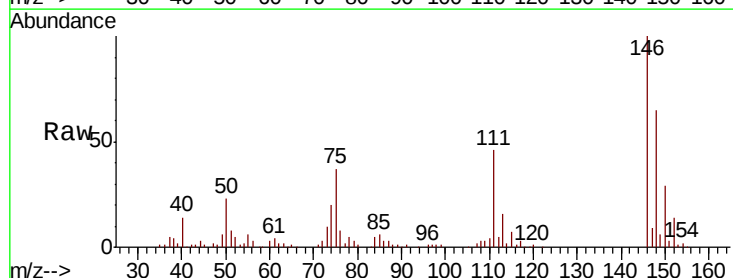
RT: 8.39 min Scan# 868

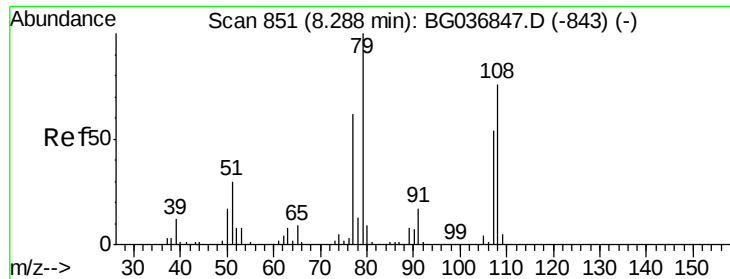
Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.1  | 55.0  | 82.6  |
| 111     | 46.2  | 34.6  | 51.8  |





#15

Benzyl Alcohol

Concen: 35.615 ng

RT: 8.28 min Scan# 849

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

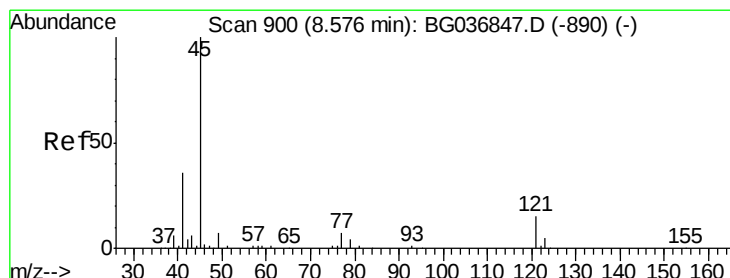
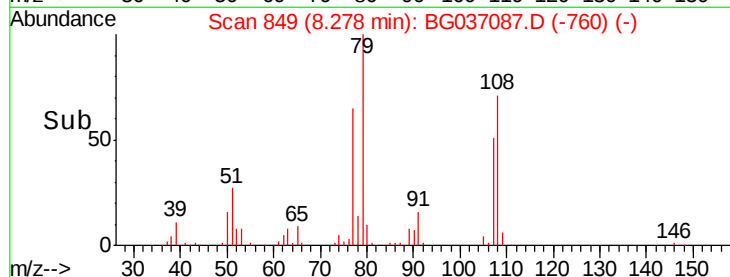
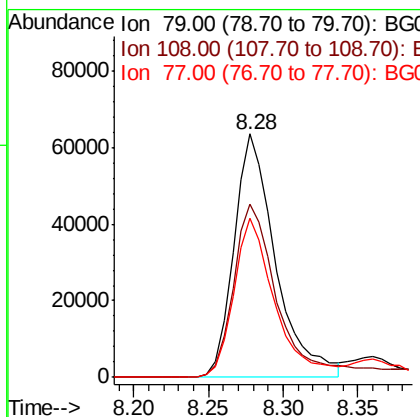
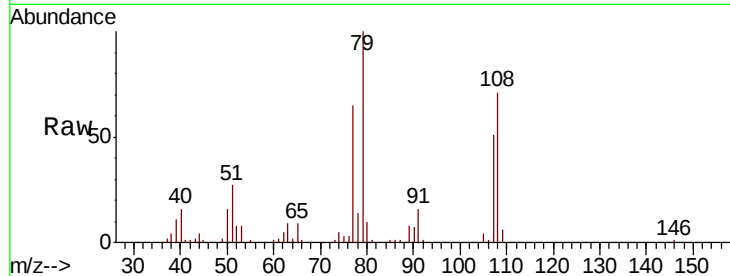
ClientSampleId :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 79    | Resp: | 123128 |
| Ion Ratio | Lower | Upper |        |
| 79        | 100   |       |        |
| 108       | 71.3  | 55.9  | 83.9   |
| 77        | 65.3  | 50.0  | 75.0   |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 37.064 ng

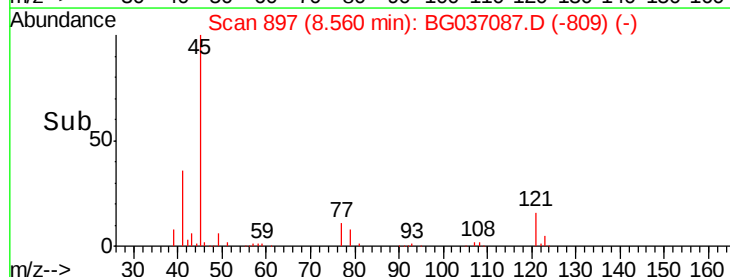
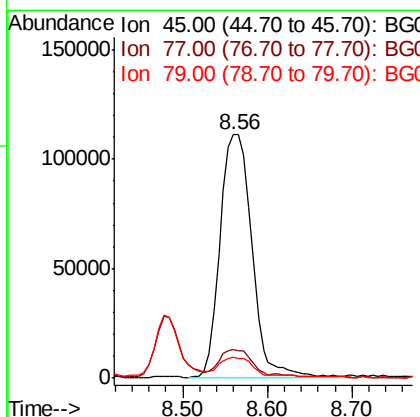
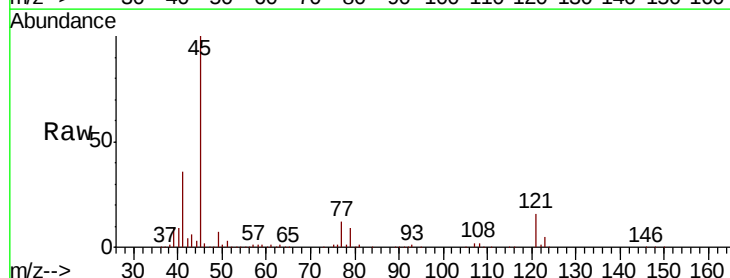
RT: 8.56 min Scan# 897

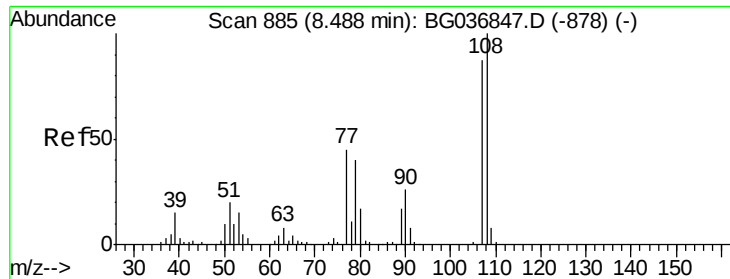
Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 289430 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 11.6  | 0.0   | 30.5   |
| 79        | 8.5   | 0.0   | 27.9   |





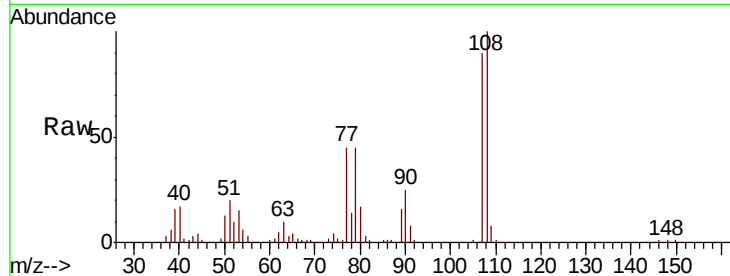
#17  
2-Methylphenol  
Concen: 37.984 ng  
RT: 8.48 min Scan# 883  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 107   | Resp: | 116345 |
| Ion Ratio | Lower | Upper |        |
| 107       | 100   |       |        |
| 108       | 111.0 | 86.7  | 130.1  |
| 77        | 49.7  | 39.0  | 58.4   |
| 79        | 50.0  | 36.6  | 54.8   |

Manual Integrations  
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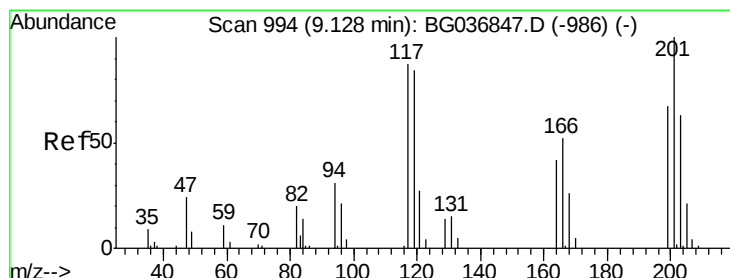
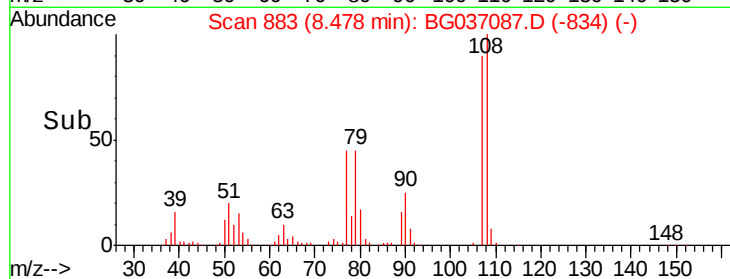
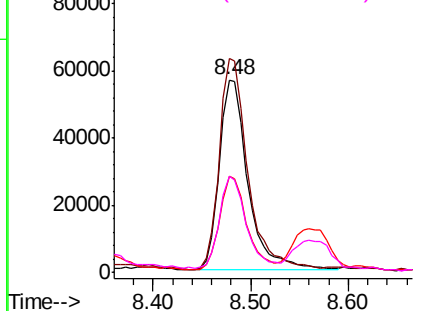
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BG

Ion 79.00 (78.70 to 79.70): BG



#18  
Hexachloroethane  
Concen: 37.017 ng  
RT: 9.12 min Scan# 992  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

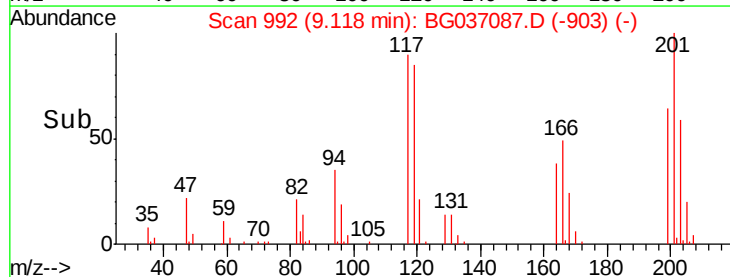
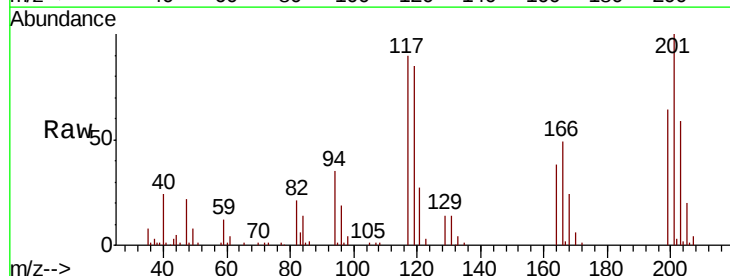
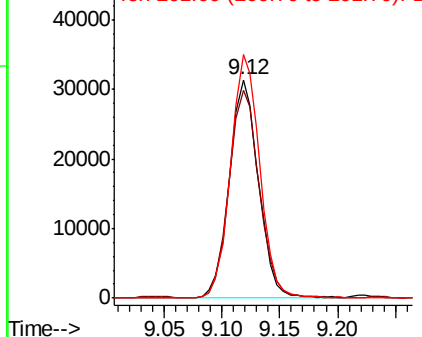
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 54649 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 95.2  | 76.8  | 115.2 |
| 201       | 111.5 | 85.7  | 128.5 |

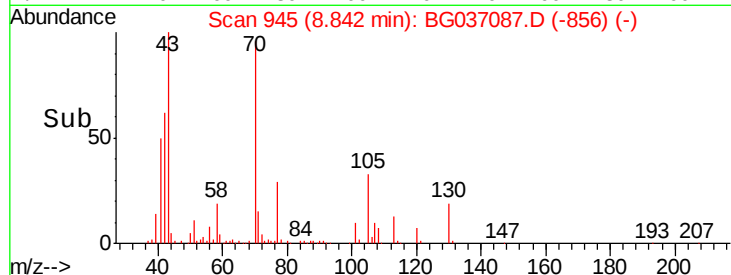
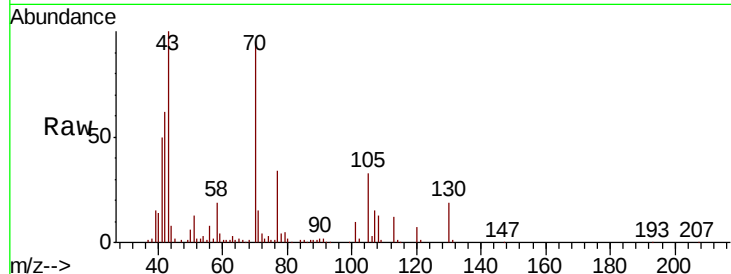
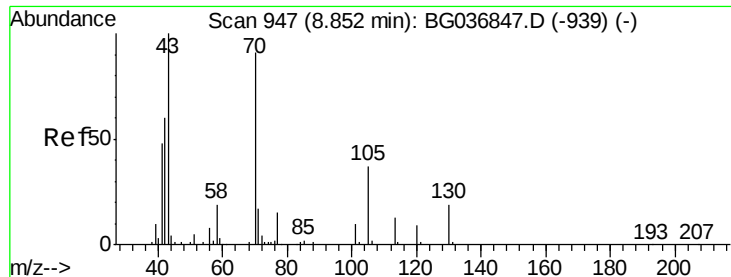
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





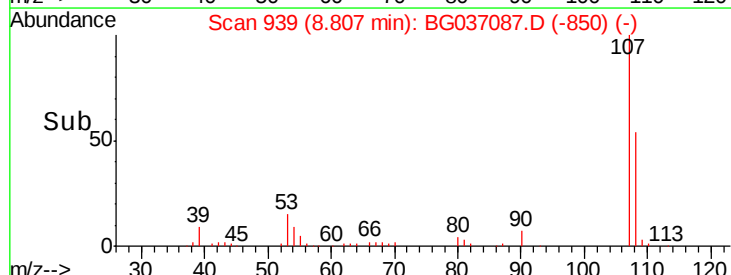
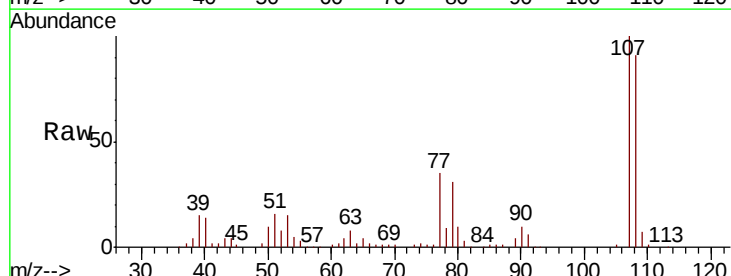
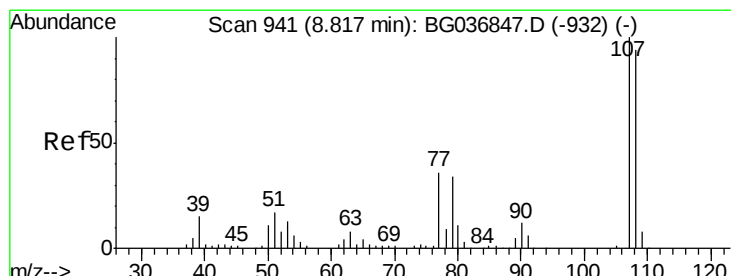
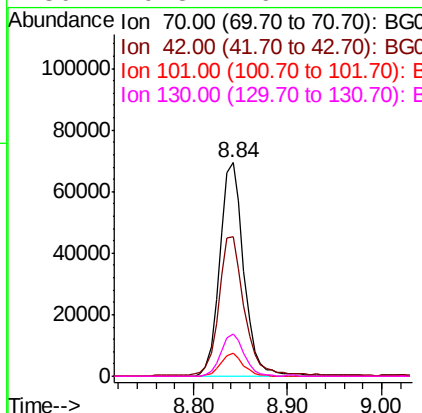
#19  
n-Nitroso-di-n-propylamine  
Concen: 35.119 ng  
RT: 8.84 min Scan# 945  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 65.2 | 56.2  | 84.4  |       |
| 101     | 10.9 | 7.8   | 11.6  |       |
| 130     | 19.8 | 16.2  | 24.2  |       |

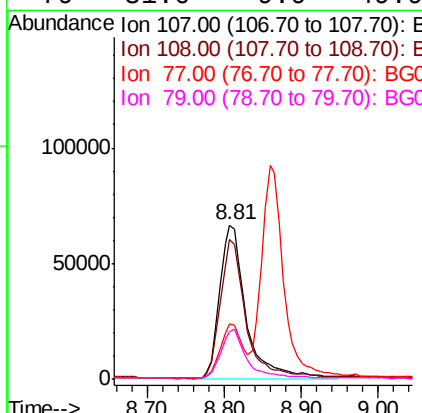
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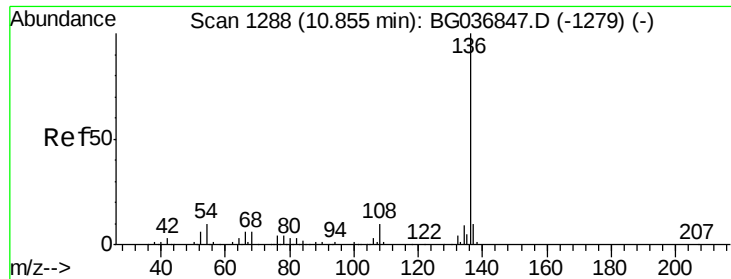
Sohil  
10/2/2018 5:20:46 PM



#20  
3+4-Methylphenols  
Concen: 37.162 ng  
RT: 8.81 min Scan# 939  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 90.7 | 68.0  | 108.0 |       |
| 77      | 35.4 | 15.6  | 55.6  |       |
| 79      | 31.0 | 9.9   | 49.9  |       |





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.85 min Scan# 1286

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

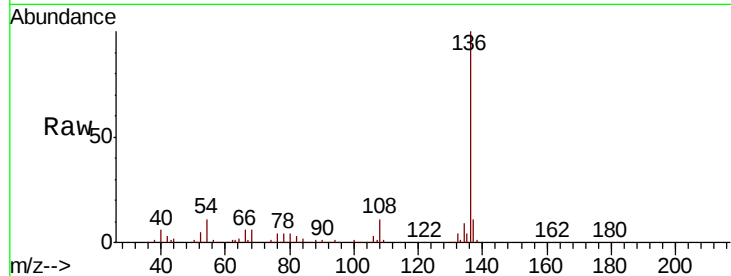
ClientSampleId :

HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 217309 |       |       |
| 137     | 10.9  |        | 8.8   | 13.2  |
| 54      | 10.6  |        | 9.2   | 13.8  |
| 68      | 6.2   |        | 5.8   | 8.6   |

Manual Integrations  
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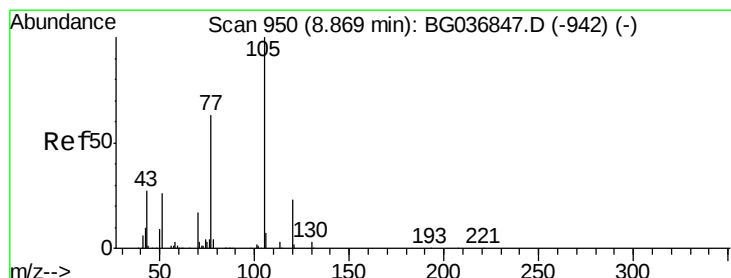
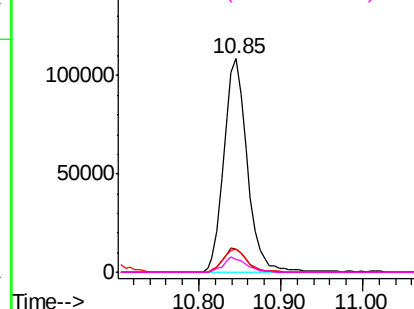
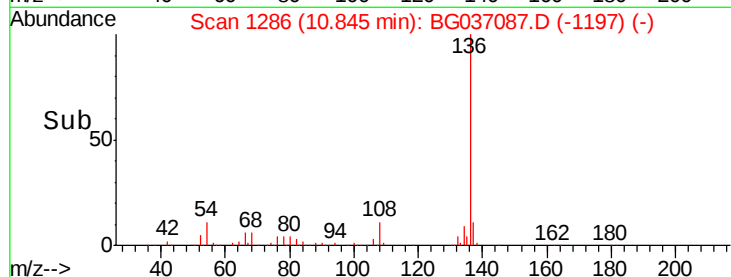
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#22

Acetophenone

Concen: 43.140 ng

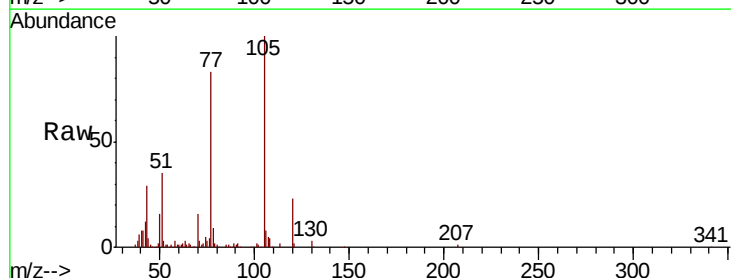
RT: 8.86 min Scan# 948

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 220302 |       |       |
| 71      | 2.8   |        | 2.4   | 3.6   |
| 51      | 34.7  |        | 25.9  | 38.9  |
| 120     | 22.5  |        | 19.4  | 29.0  |



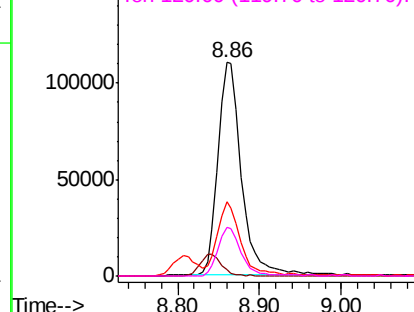
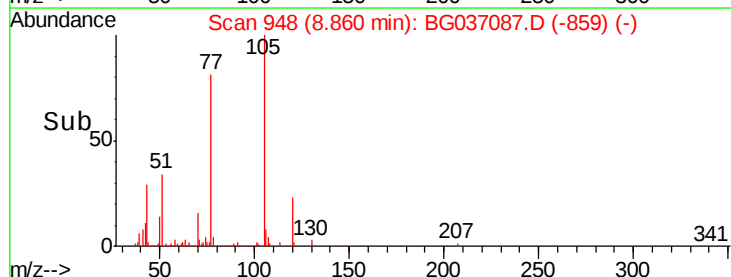
Abundance

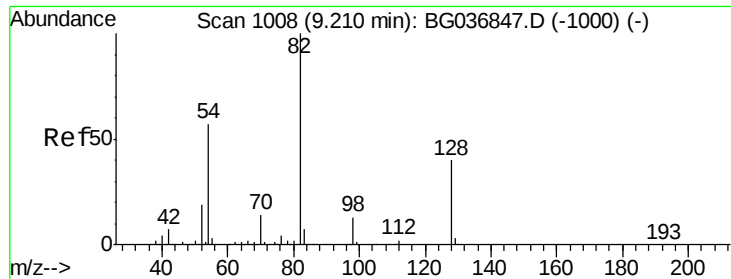
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BGC

Ion 51.00 (50.70 to 51.70): BGC

Ion 120.00 (119.70 to 120.70): E





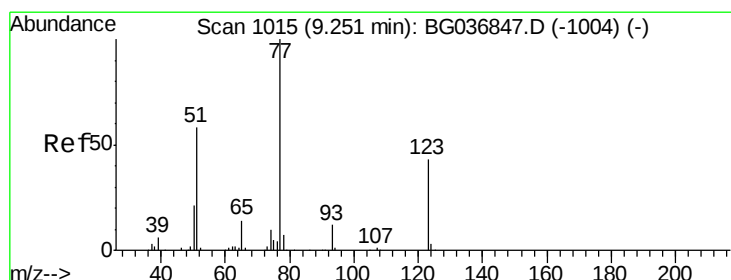
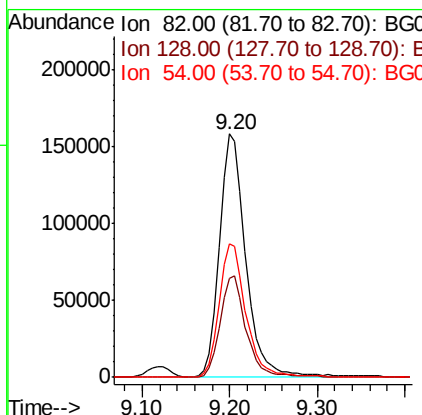
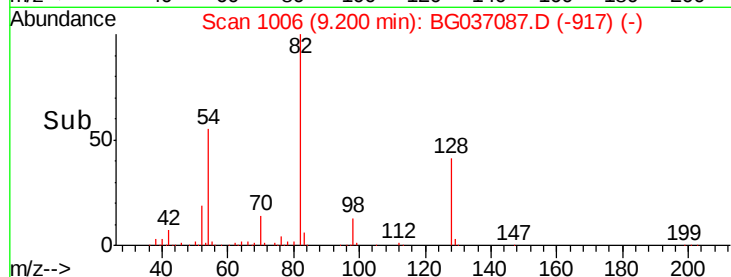
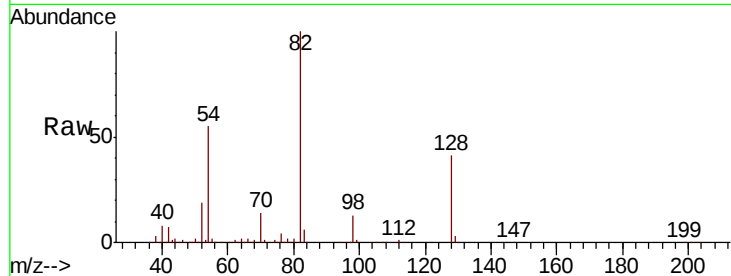
#23  
 Nitrobenzene-d5  
 Concen: 79.641 ng  
 RT: 9.20 min Scan# 1006  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 82      | 100   | 323181 |       |       |
| 128     | 40.5  | 33.3   | 49.9  |       |
| 54      | 55.0  | 45.1   | 67.7  |       |

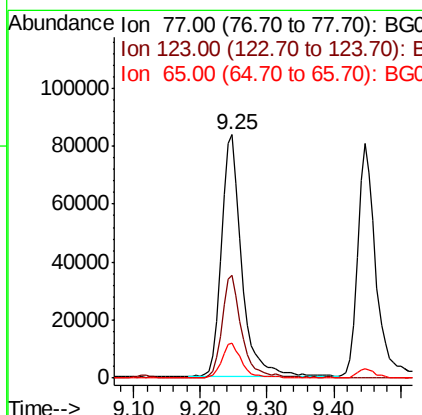
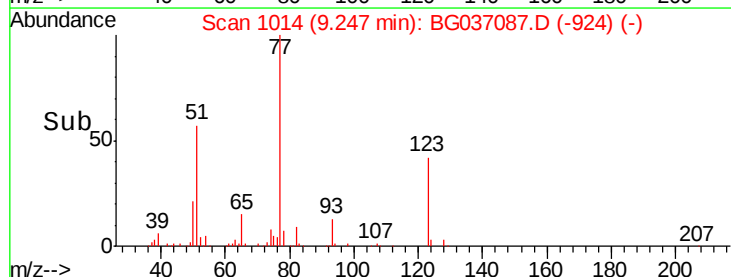
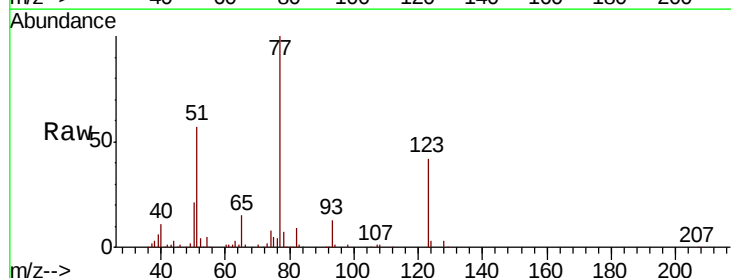
Manual Integrations  
 APPROVED

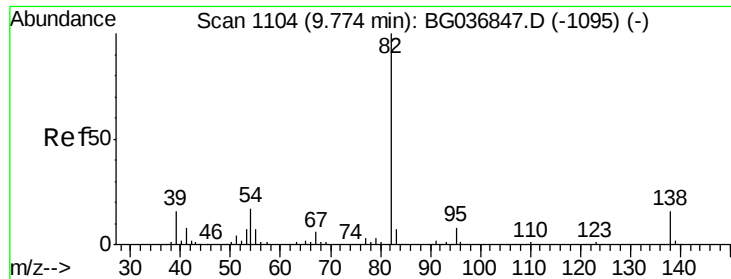
Sohil  
 10/2/2018 5:20:46 PM



#24  
 Nitrobenzene  
 Concen: 41.865 ng  
 RT: 9.25 min Scan# 1014  
 Delta R.T. -0.00 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 77      | 100   | 181423 |       |       |
| 123     | 42.2  | 32.4   | 48.6  |       |
| 65      | 14.6  | 11.5   | 17.3  |       |





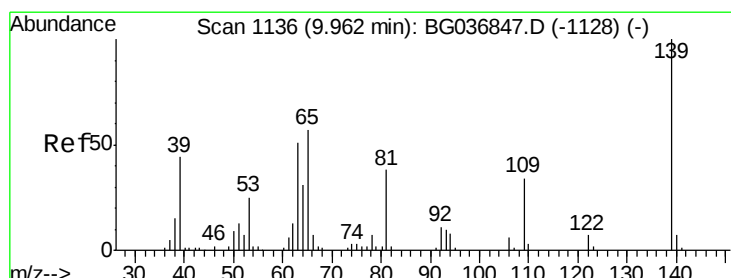
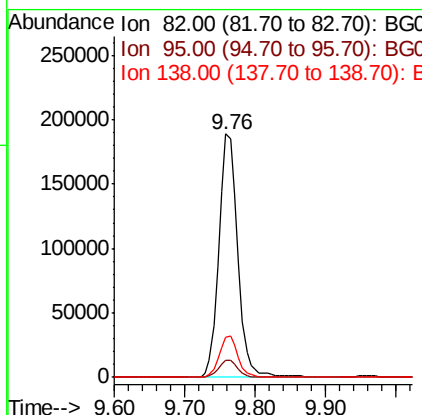
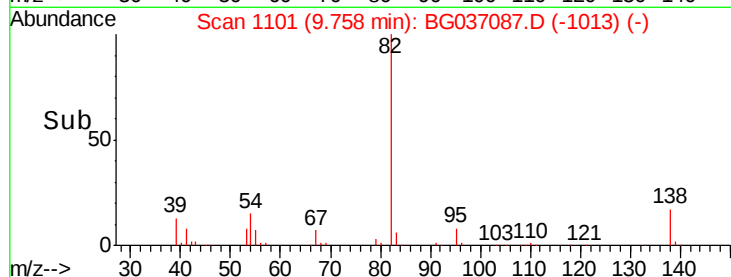
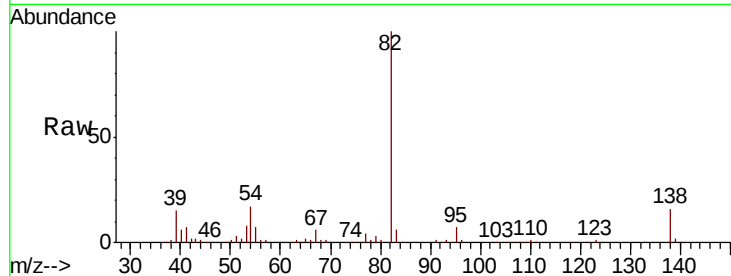
#25  
Isophorone  
Concen: 47.295 ng  
RT: 9.76 min Scan# 1101  
Delta R.T. -0.02 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion   | 82   | Resp  | 350682 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 82        | 100  |       |        |
| 95        | 7.2  | 5.8   | 8.8    |
| 138       | 16.5 | 12.9  | 19.3   |

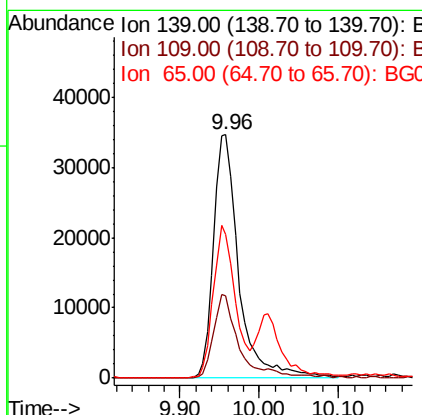
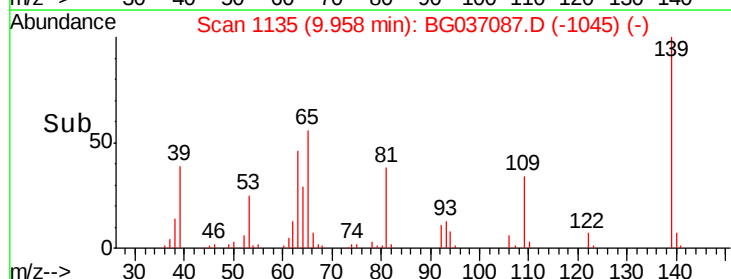
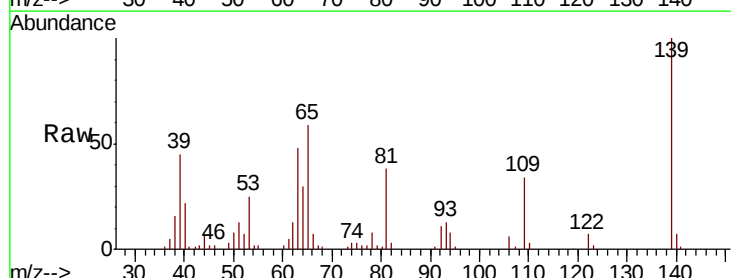
Manual Integrations  
APPROVED

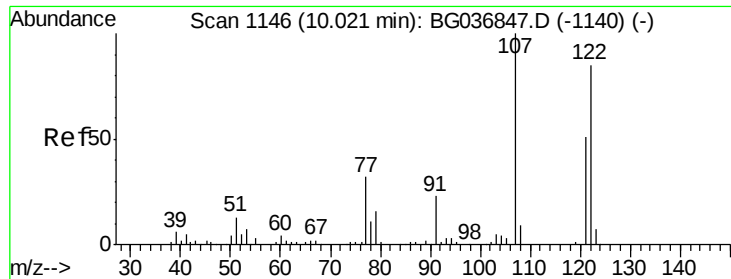
Sohil  
10/2/2018 5:20:46 PM



#26  
2-Nitrophenol  
Concen: 44.420 ng  
RT: 9.96 min Scan# 1135  
Delta R.T. -0.00 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion   | 139  | Resp  | 76728 |
|-----------|------|-------|-------|
| Ion Ratio | 100  | Lower | Upper |
| 139       | 100  |       |       |
| 109       | 33.6 | 27.4  | 41.0  |
| 65        | 59.0 | 47.8  | 71.6  |





#27

2,4-Dimethylphenol

Concen: 49.173 ng

RT: 10.01 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

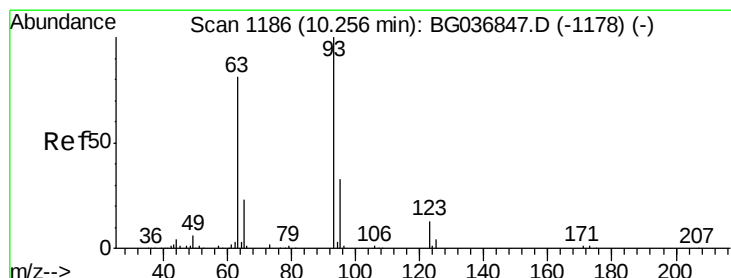
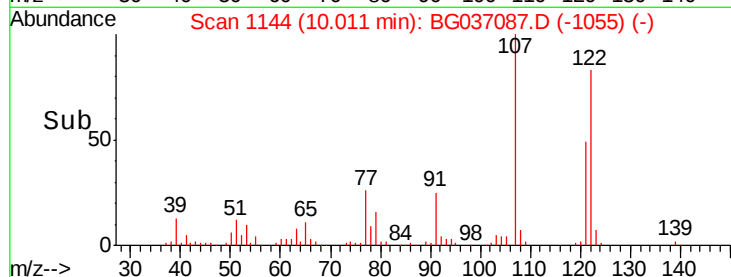
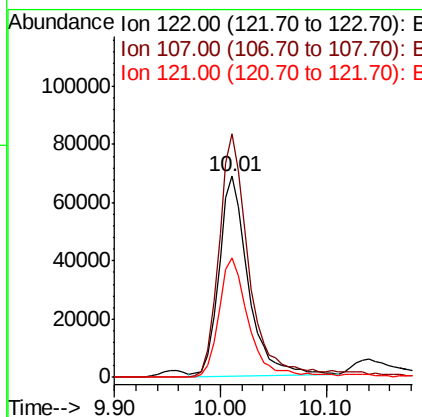
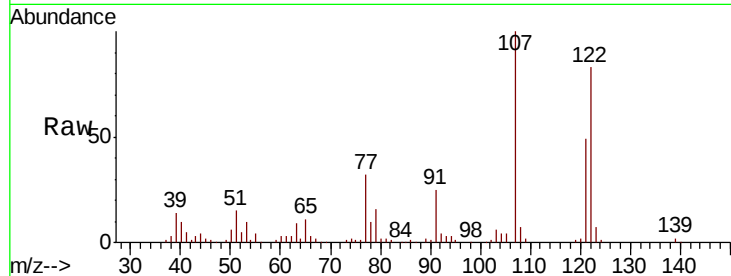
ClientSampled :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 122   | Resp: | 132307 |
| Ion Ratio | Lower | Upper |        |
| 122       | 100   |       |        |
| 107       | 121.0 | 96.0  | 144.0  |
| 121       | 59.3  | 48.2  | 72.4   |

Manual Integrations  
APPROVED

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10/2/2018 5:20:46 PM



#28

bis(2-Chloroethoxy)methane

Concen: 43.721 ng

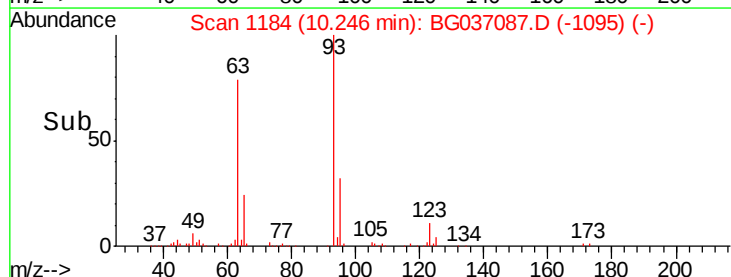
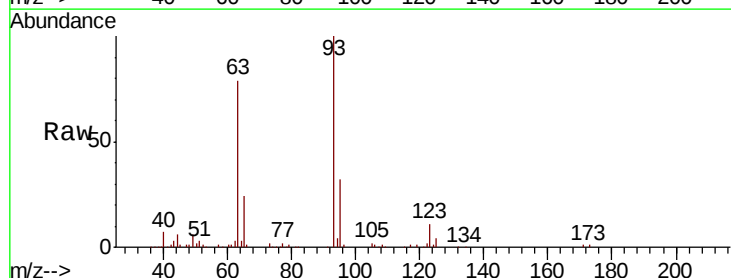
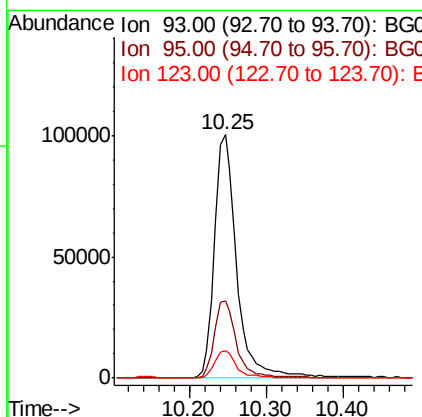
RT: 10.25 min Scan# 1184

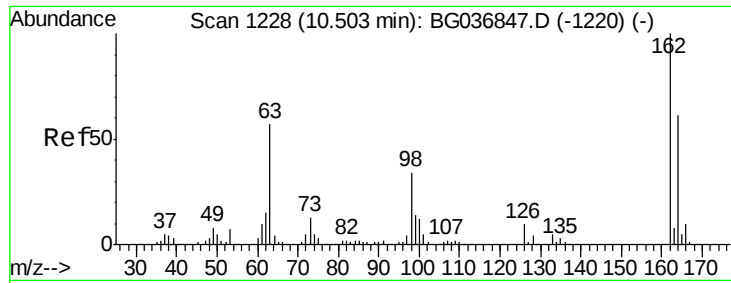
Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 93    | Resp: | 200039 |
| Ion Ratio | Lower | Upper |        |
| 93        | 100   |       |        |
| 95        | 31.6  | 25.2  | 37.8   |
| 123       | 11.3  | 8.6   | 12.8   |





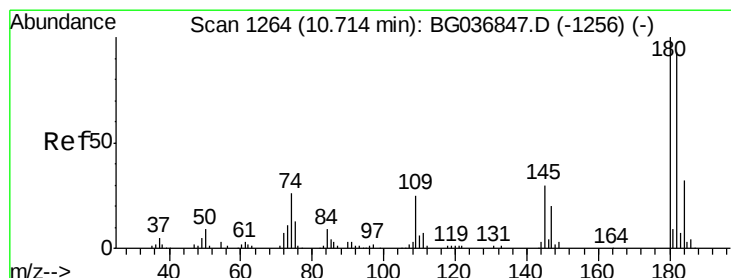
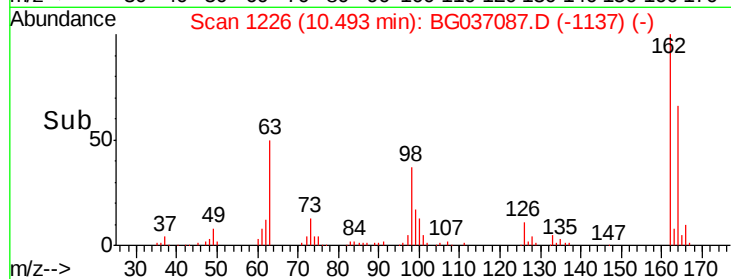
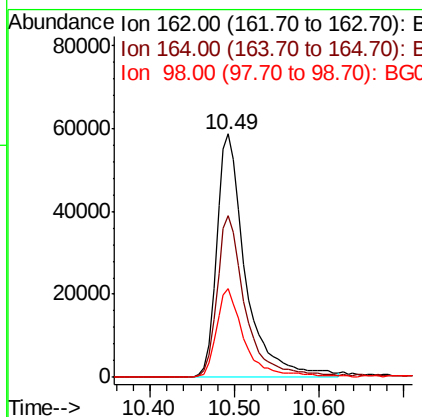
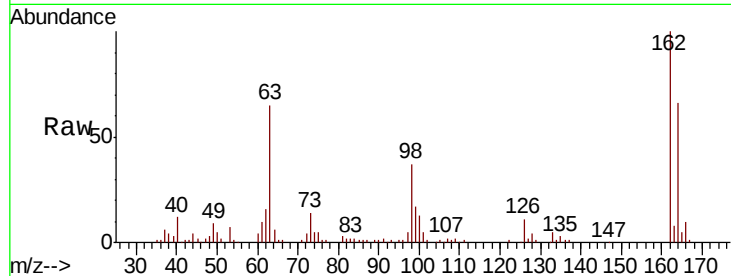
#29  
 2,4-Dichlorophenol  
 Concen: 44.763 ng  
 RT: 10.49 min Scan# 1226  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 162     | 100   | 139619 |       |       |
| 164     | 66.4  | 47.6   | 87.6  |       |
| 98      | 36.5  | 19.2   | 59.2  |       |

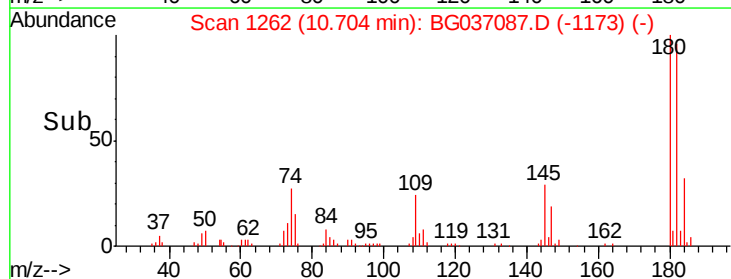
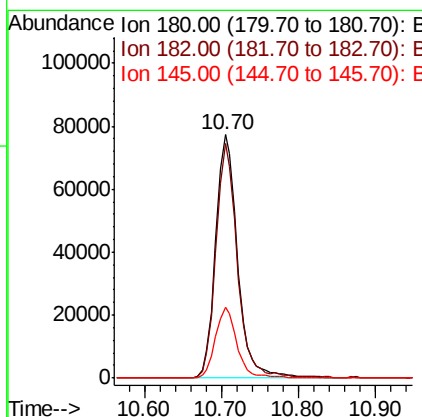
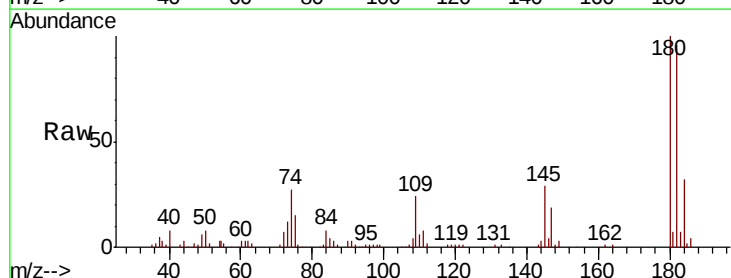
Manual Integrations  
 APPROVED

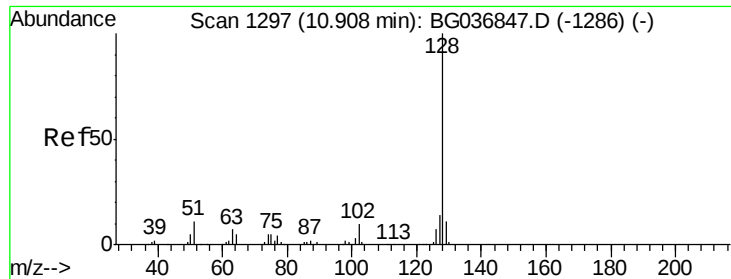
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 10/2/2018 5:20:46 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 39.028 ng  
 RT: 10.70 min Scan# 1262  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 152341 |       |       |
| 182     | 96.1  | 76.0   | 114.0 |       |
| 145     | 29.1  | 22.9   | 34.3  |       |





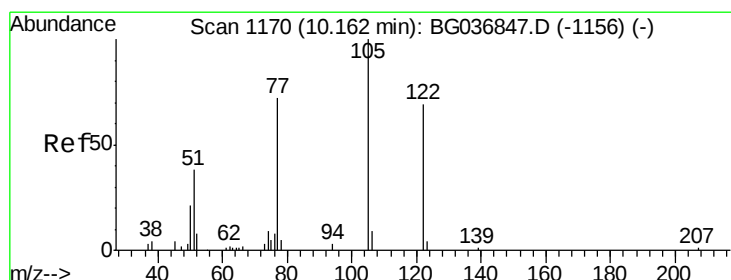
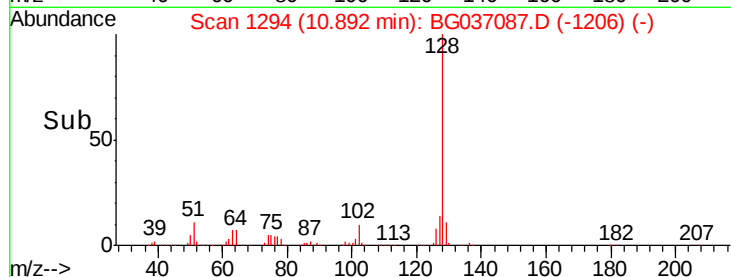
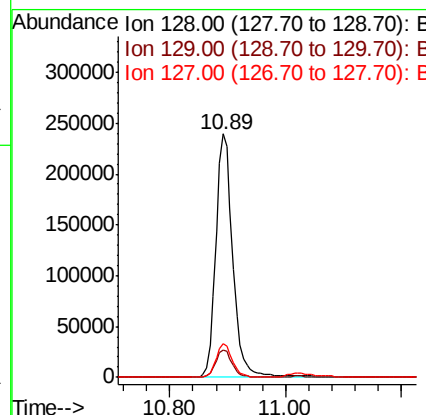
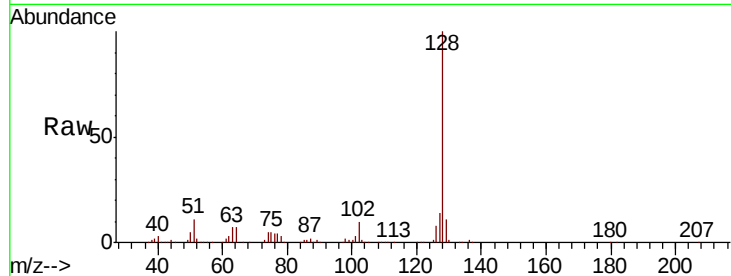
#31  
Naphthalene  
Concen: 47.634 ng  
RT: 10.89 min Scan# 1294  
Delta R.T. -0.02 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.3  | 9.4   | 14.2  |
| 127     | 14.0  | 11.0  | 16.4  |

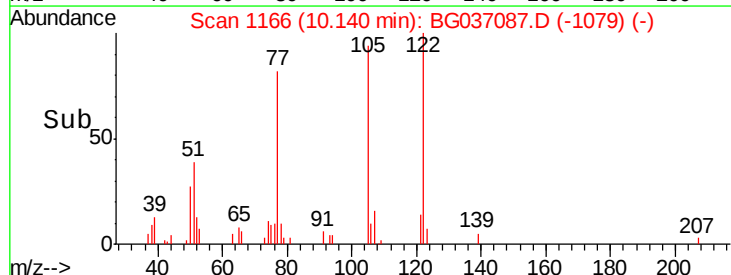
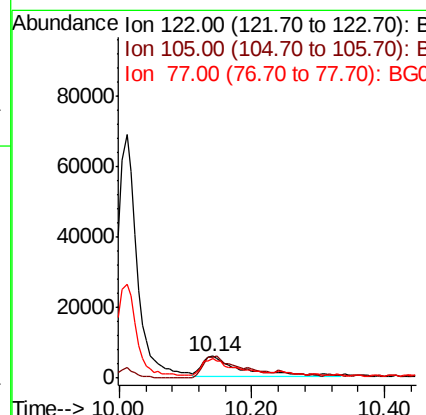
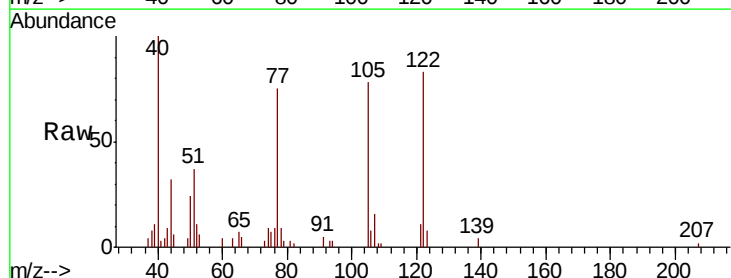
Manual Integrations  
APPROVED

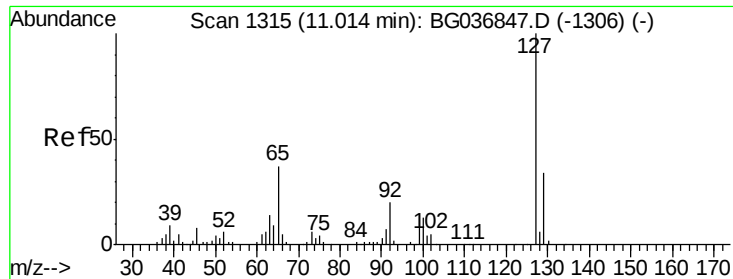
Sohil  
10/2/2018 5:20:46 PM



#32  
Benzoic acid  
Concen: 16.194 ng m  
RT: 10.14 min Scan# 1166  
Delta R.T. -0.02 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 94.4  | 108.1 | 148.1# |
| 77      | 90.6  | 76.3  | 116.3  |





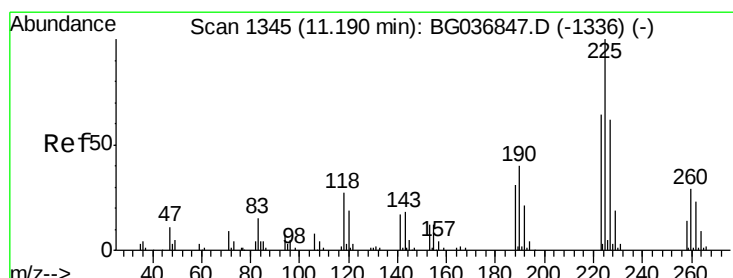
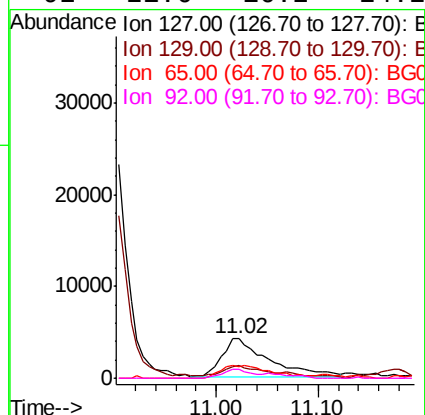
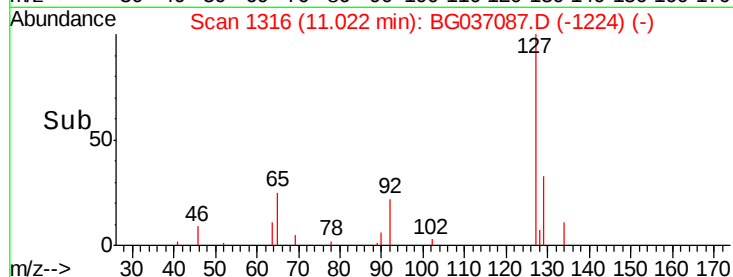
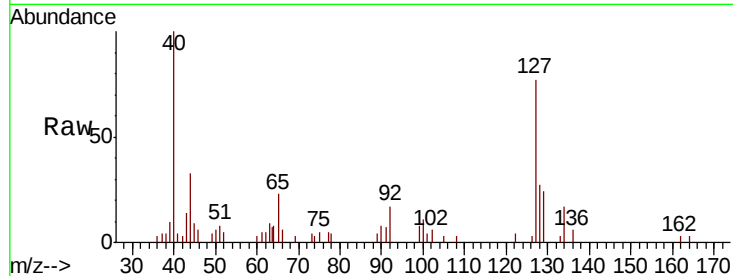
#33  
4-Chloroaniline  
Concen: 2.847 ng  
RT: 11.02 min Scan# 1316  
Delta R.T. 0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 127   | Resp: | 13384 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 31.2  | 25.9  | 38.9  |
| 65        | 29.9  | 27.5  | 41.3  |
| 92        | 21.6  | 16.2  | 24.2  |

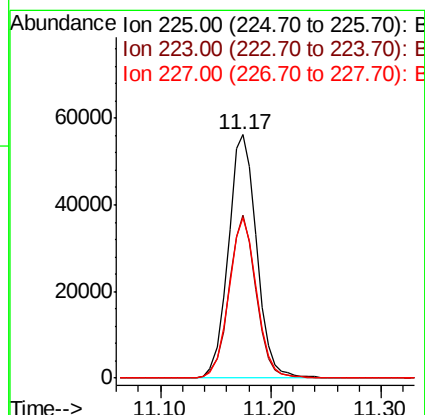
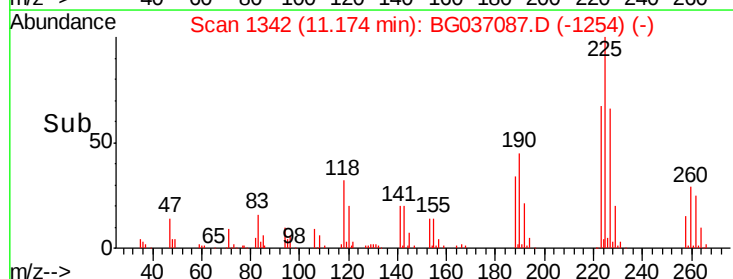
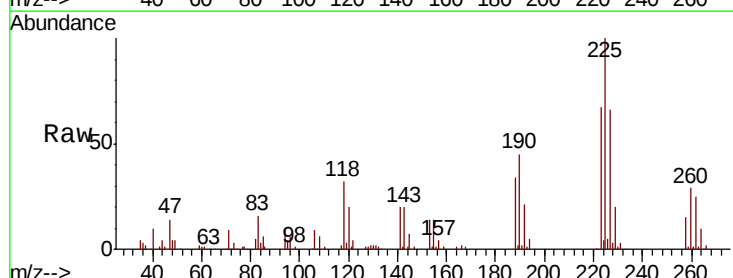
Manual Integrations  
APPROVED

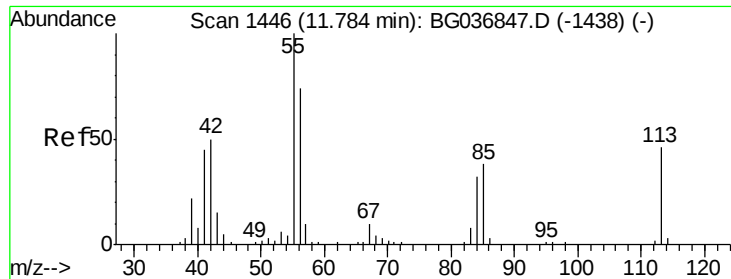
Sohil  
10/2/2018 5:20:46 PM



#34  
Hexachlorobutadiene  
Concen: 37.398 ng  
RT: 11.17 min Scan# 1342  
Delta R.T. -0.02 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 100951 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 66.8  | 51.8  | 77.8   |
| 227       | 65.8  | 49.8  | 74.6   |





#35

Caprolactam

Concen: 29.108 ng/mL

RT: 11.78 min Scan# 1445

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

ClientSampled :

HC-SOIL-1MSD

Tot Ion:113 Resp: 37368

Ion Ratio Lower Upper

113 100

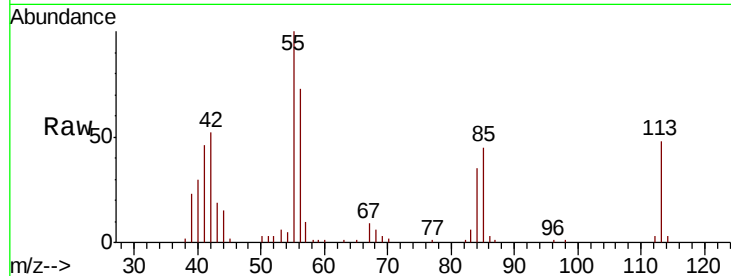
55 207.4 197.7 237.7

56 150.8 131.7 171.7

Manual Integrations  
APPROVED

Sohil

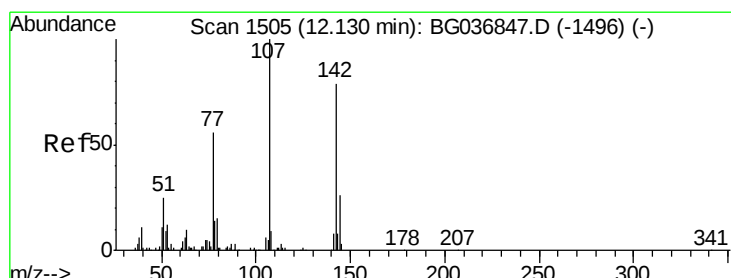
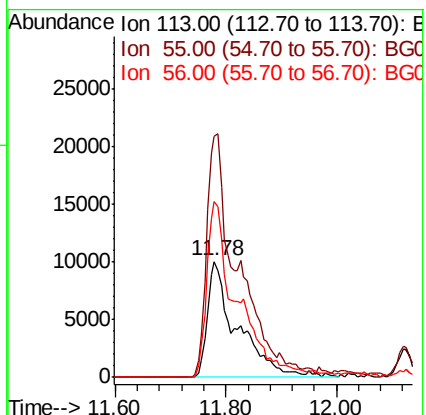
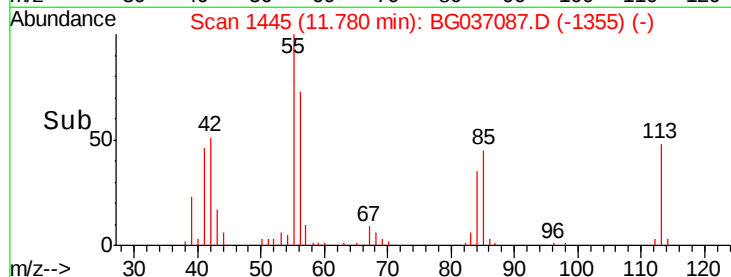
10/2/2018 5:20:46 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG036847.D (-1438) (-)

Ion 56.00 (55.70 to 56.70): BG036847.D (-1438) (-)



#36

4-Chloro-3-methylphenol

Concen: 45.043 ng/mL

RT: 12.12 min Scan# 1503

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

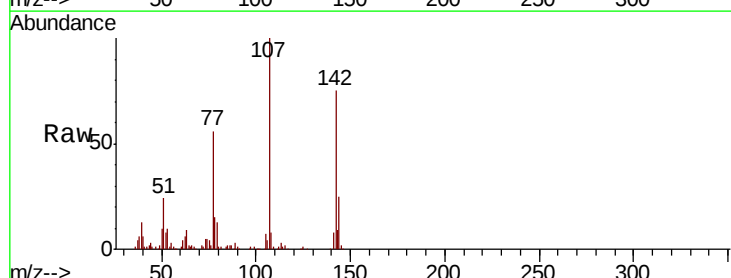
Tgt Ion:107 Resp: 167635

Ion Ratio Lower Upper

107 100

144 25.1 19.5 29.3

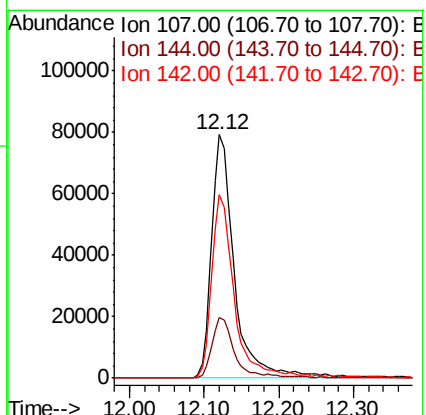
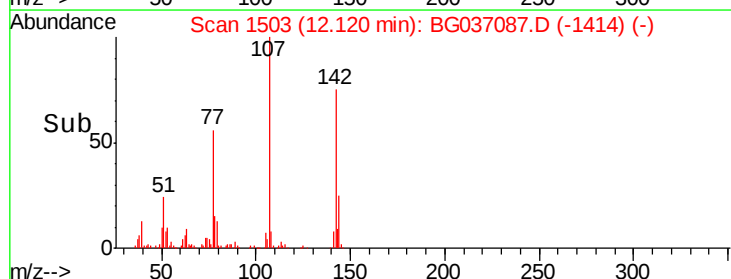
142 75.3 62.4 93.6

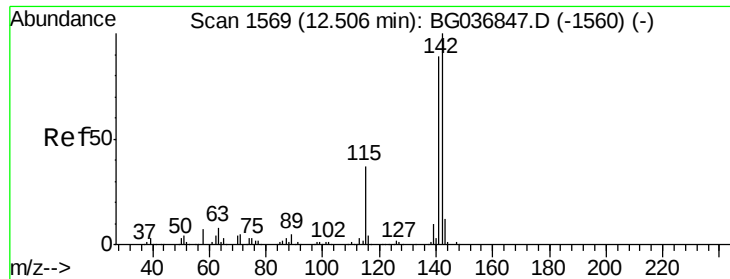


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





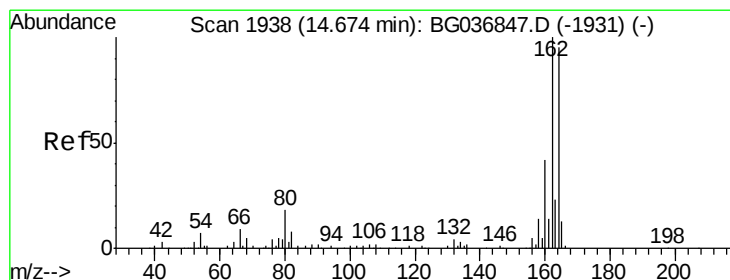
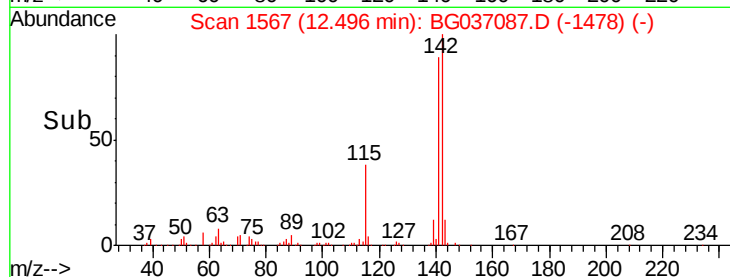
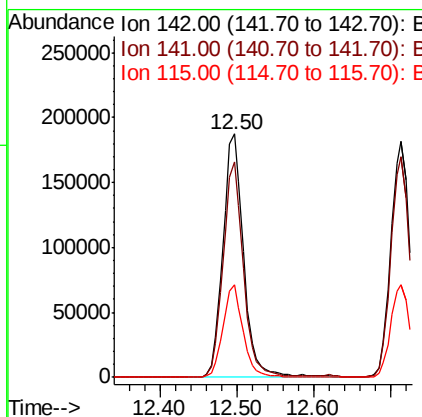
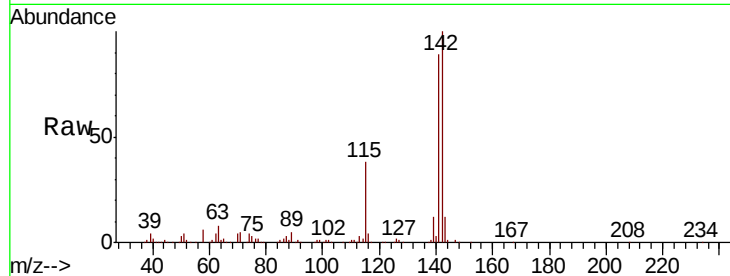
#37  
2-Methylnaphthalene  
Concen: 44.535 ng  
RT: 12.50 min Scan# 1567  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.6  | 68.5  | 102.7 |
| 115     | 38.0  | 29.8  | 44.8  |

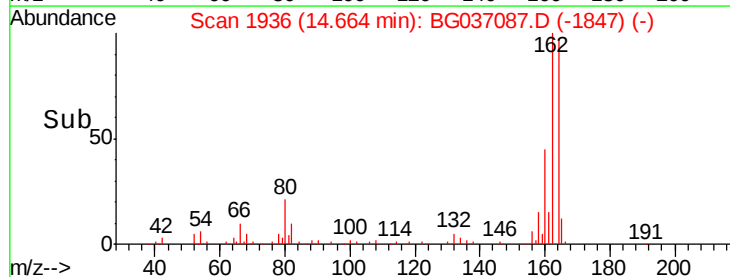
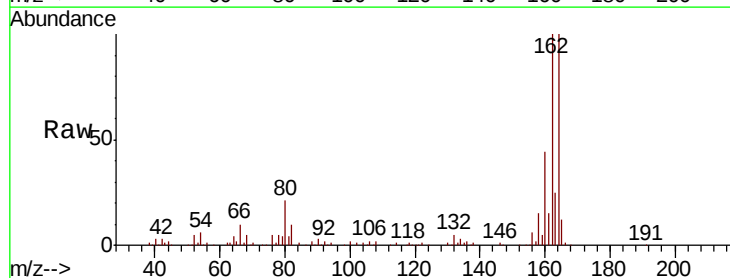
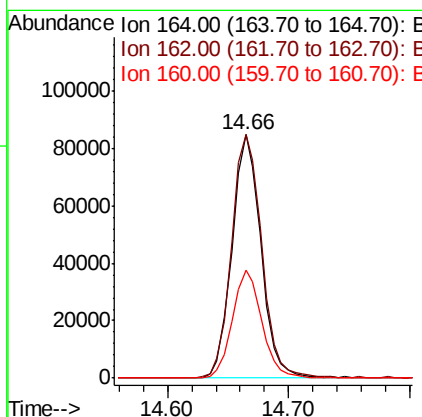
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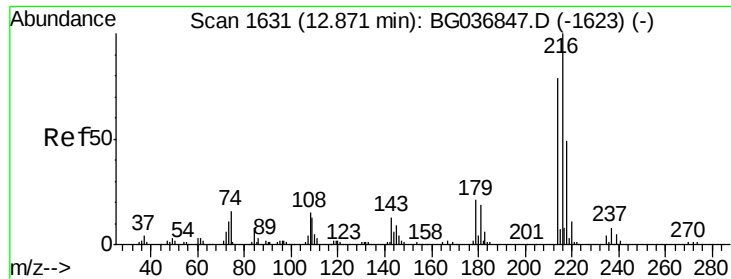
Sohil  
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#38  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.66 min Scan# 1936  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 162     | 99.9  | 80.7  | 121.1 |
| 160     | 44.5  | 35.3  | 52.9  |





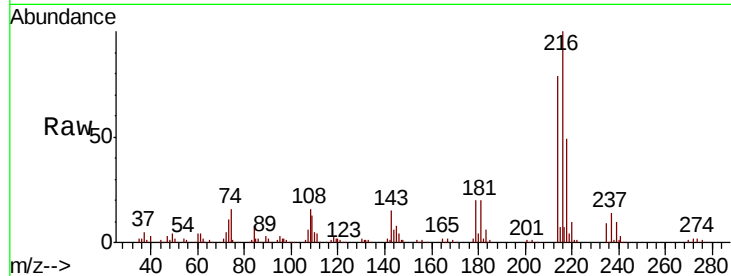
#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 38.718 ng  
 RT: 12.86 min Scan# 1629  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

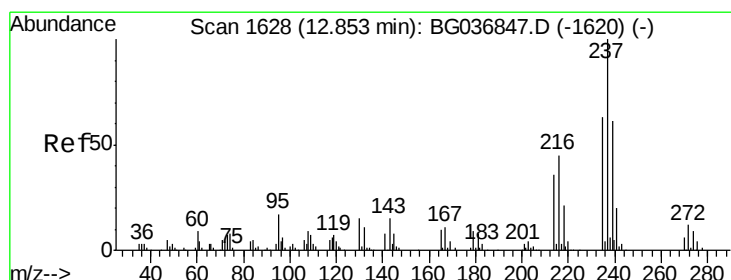
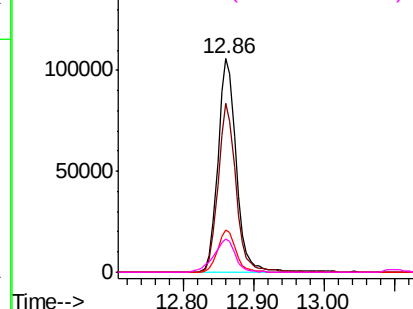
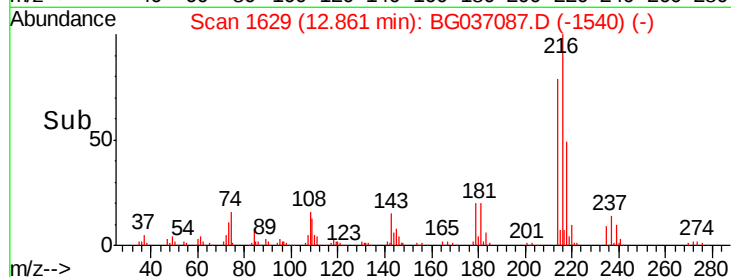
| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 216     | 100  |       | 191315 |       |       |
| 214     | 76.8 | 61.0  | 91.6   |       |       |
| 179     | 19.7 | 15.7  | 23.5   |       |       |
| 108     | 18.2 | 13.1  | 19.7   |       |       |

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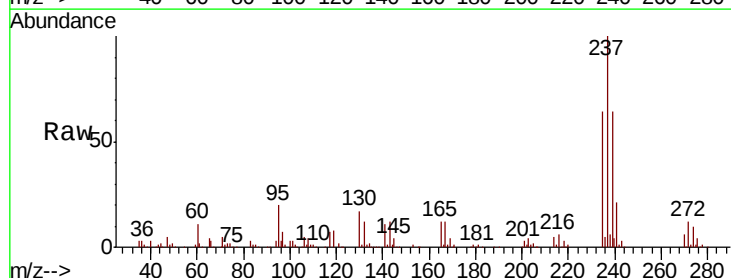


Abundance Ion 216.00 (215.70 to 216.70): E  
 Ion 214.00 (213.70 to 214.70): E  
 Ion 179.00 (178.70 to 179.70): E  
 Ion 108.00 (107.70 to 108.70): E

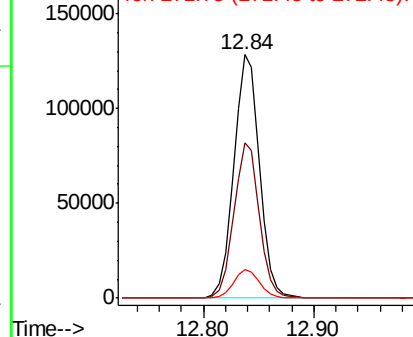
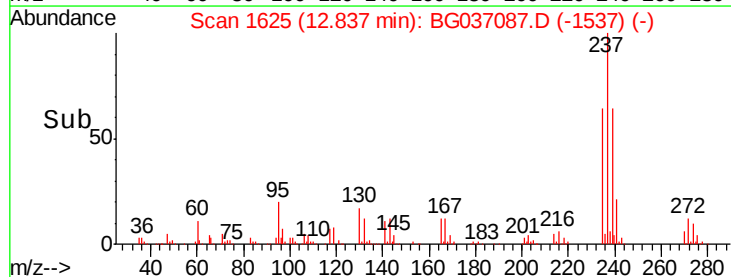


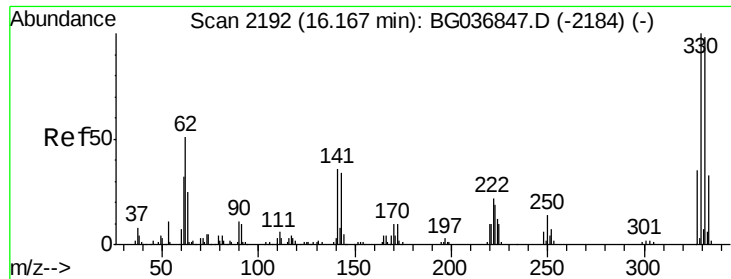
#40  
 Hexachlorocyclopentadiene  
 Concen: 82.247 ng  
 RT: 12.84 min Scan# 1625  
 Delta R.T. -0.02 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 237     | 100  |       | 209016 |       |       |
| 235     | 64.0 | 42.2  | 82.2   |       |       |
| 272     | 11.9 | 0.0   | 32.1   |       |       |



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





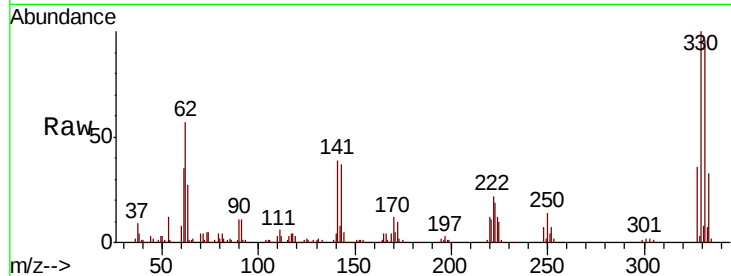
#41  
 2,4,6-Tribromophenol  
 Concen: 118.873 ng  
 RT: 16.16 min Scan# 2190  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 330     | 100   | 201493 |       |       |
| 332     | 95.7  |        | 75.4  | 113.2 |
| 141     | 39.6  |        | 30.7  | 46.1  |

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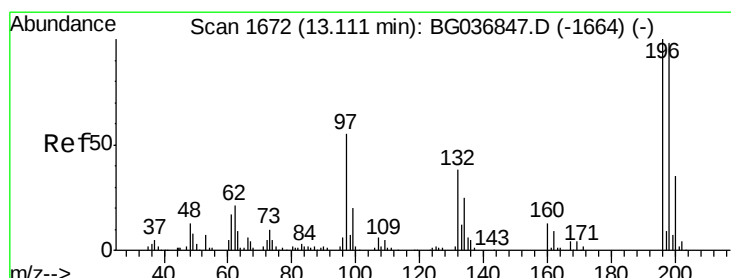
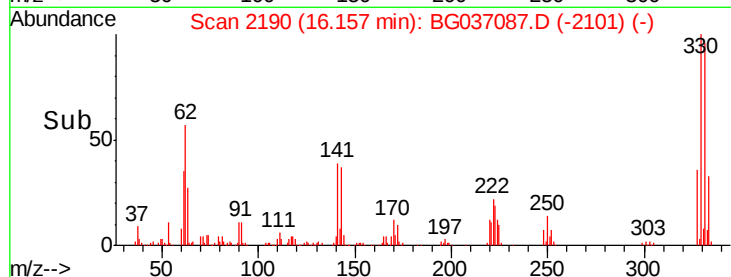
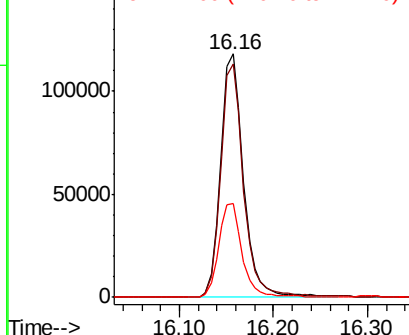


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#42  
 2,4,6-Trichlorophenol  
 Concen: 43.247 ng  
 RT: 13.10 min Scan# 1670  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

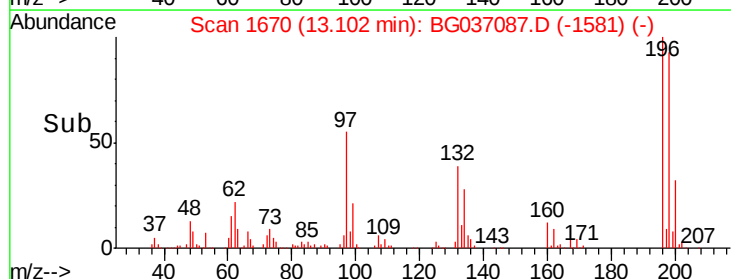
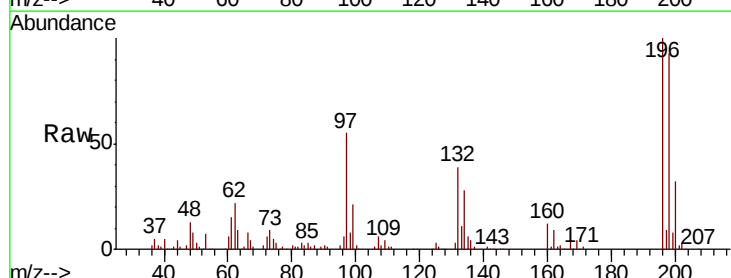
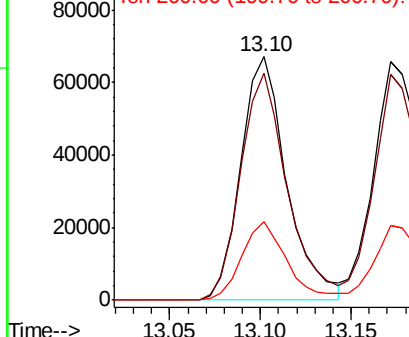
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 118667 |       |       |
| 198     | 93.1  |        | 77.2  | 115.8 |
| 200     | 32.5  |        | 26.3  | 39.5  |

Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E





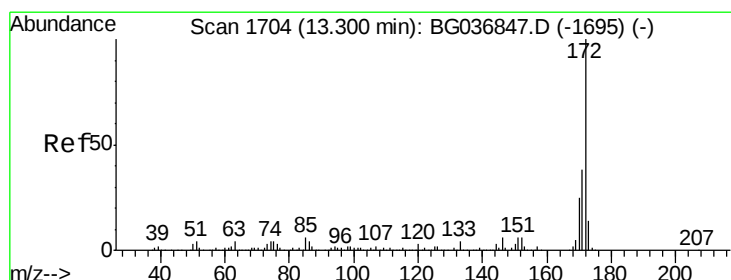
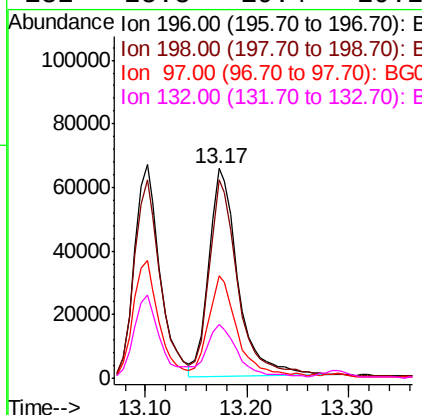
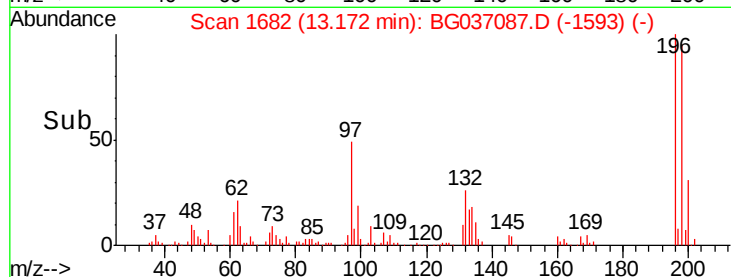
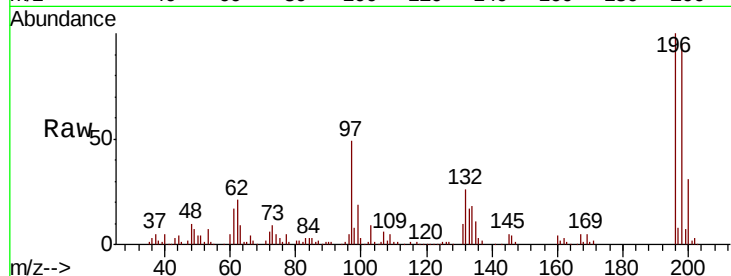
#43  
 2,4,5-Trichlorophenol  
 Concen: 44.769 ng  
 RT: 13.17 min Scan# 1682  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 196     | 100  |       | 130987 |       |       |
| 198     | 94.7 | 75.6  | 113.4  |       |       |
| 97      | 48.7 | 37.2  | 55.8   |       |       |
| 132     | 25.8 | 19.4  | 29.2   |       |       |

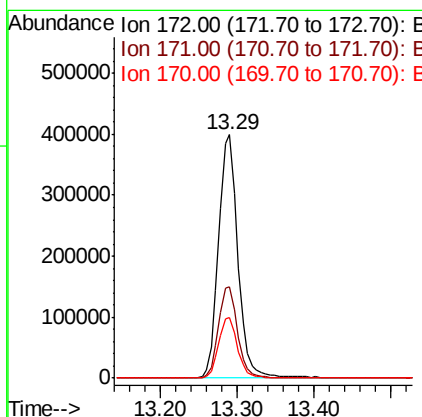
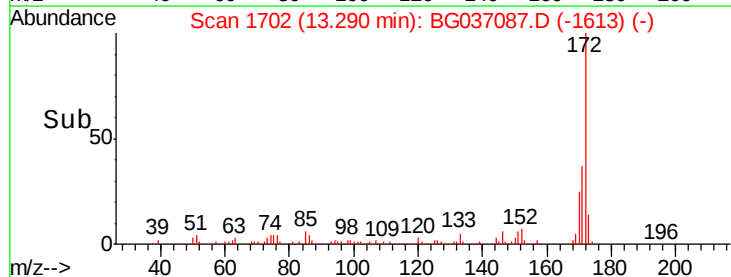
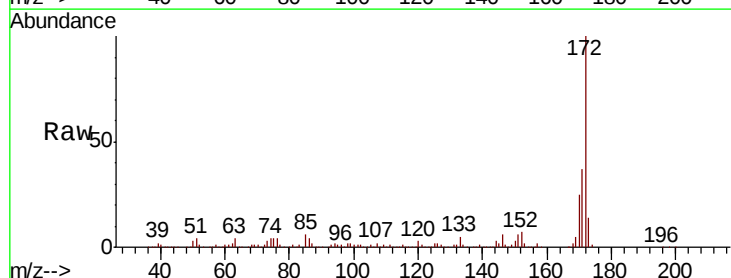
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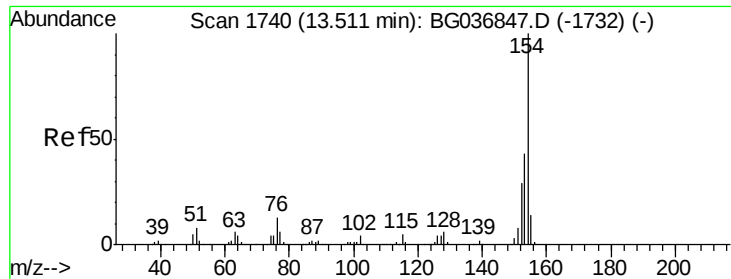
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#44  
 2-Fluorobiphenyl  
 Concen: 73.092 ng  
 RT: 13.29 min Scan# 1702  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 172     | 100  |       | 695263 |       |       |
| 171     | 37.3 | 31.3  | 46.9   |       |       |
| 170     | 25.1 | 21.0  | 31.6   |       |       |





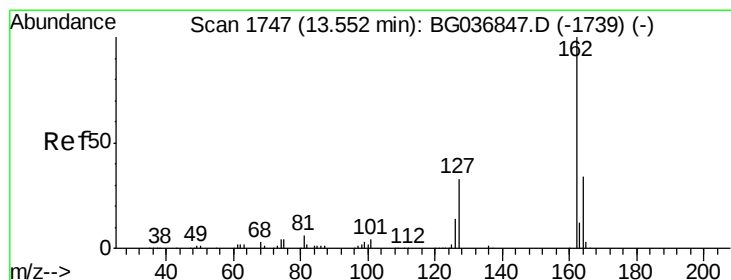
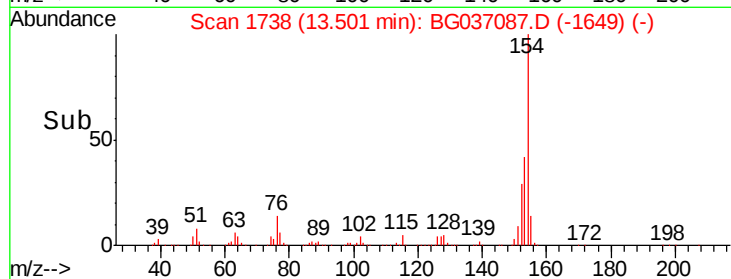
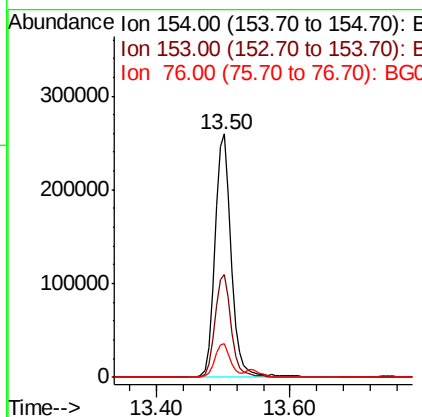
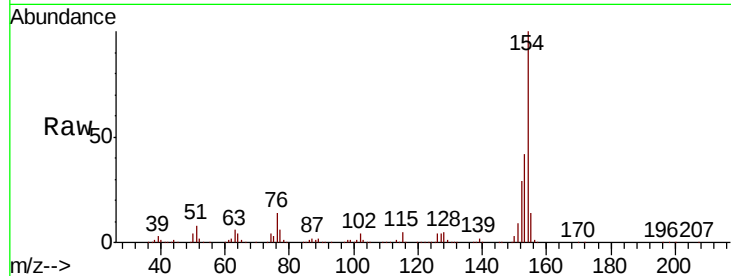
#45  
 1,1'-Biphenyl  
 Concen: 41.395 ng  
 RT: 13.50 min Scan# 1738  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 42.2  | 24.0  | 64.0  |
| 76      | 13.6  | 0.0   | 32.9  |

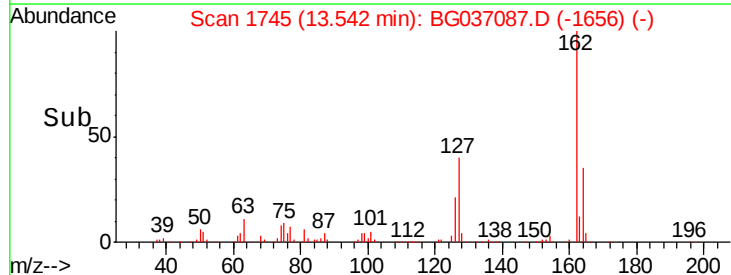
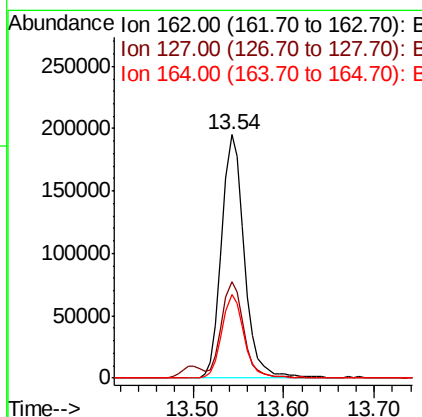
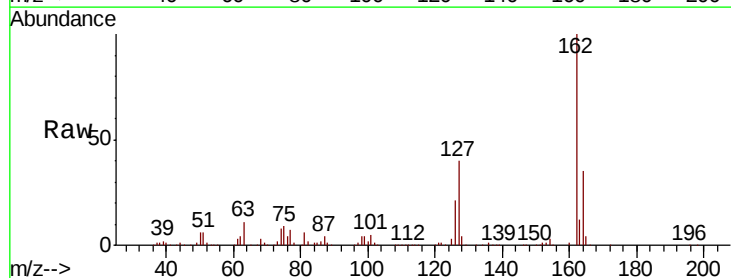
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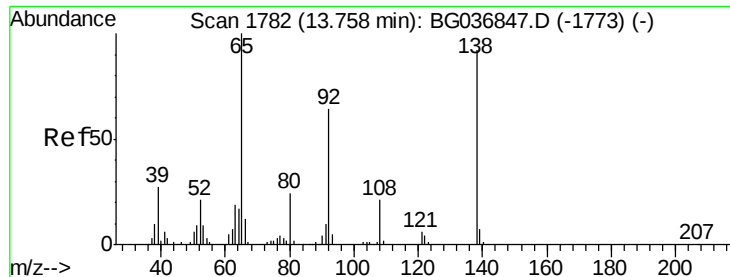
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#46  
 2-Chloronaphthalene  
 Concen: 39.889 ng  
 RT: 13.54 min Scan# 1745  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 39.6  | 30.7  | 46.1  |
| 164     | 34.5  | 26.7  | 40.1  |





#47

2-Nitroaniline

Concen: 44.090 ng

RT: 13.75 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

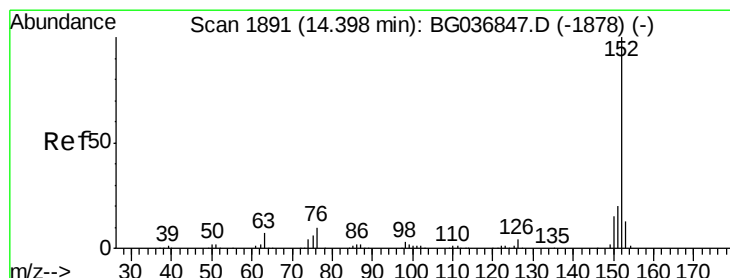
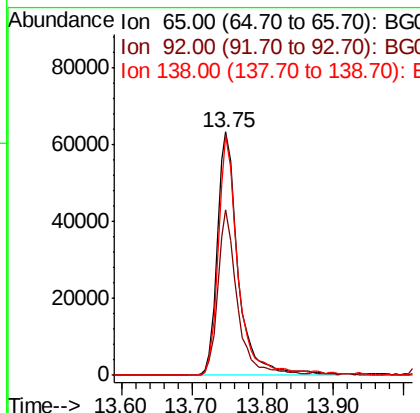
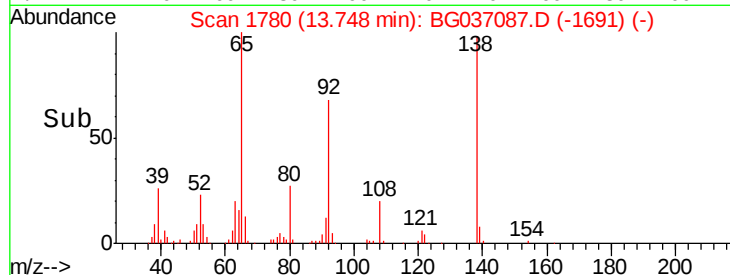
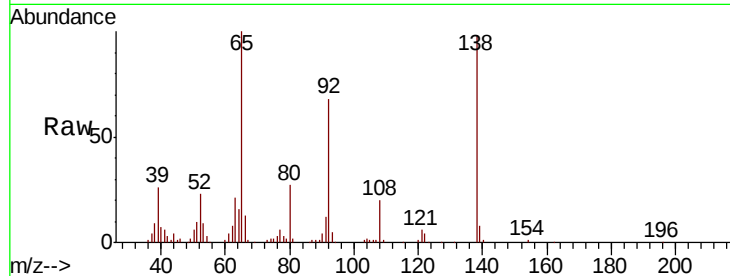
ClientSampleId :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 65    | Resp: | 130125 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 92        | 68.1  | 49.9  | 74.9   |
| 138       | 98.5  | 76.2  | 114.4  |

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#48

Acenaphthylene

Concen: 44.318 ng

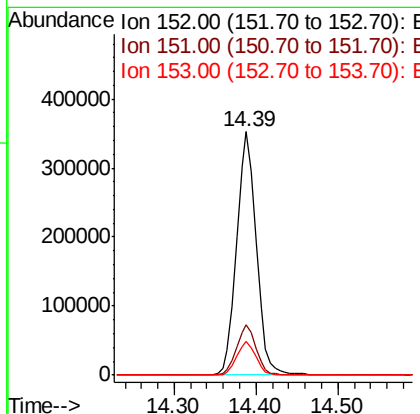
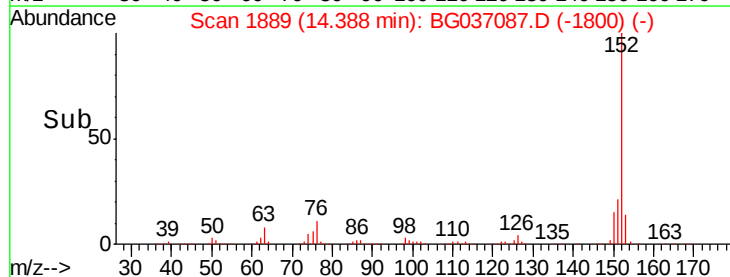
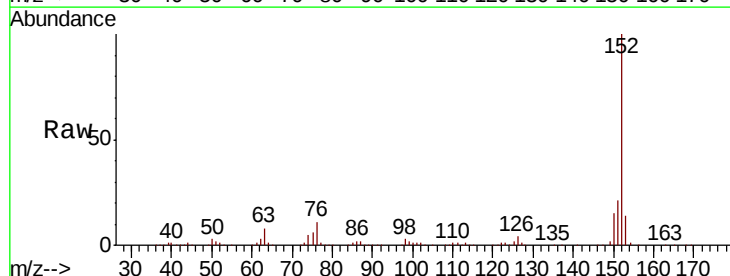
RT: 14.39 min Scan# 1889

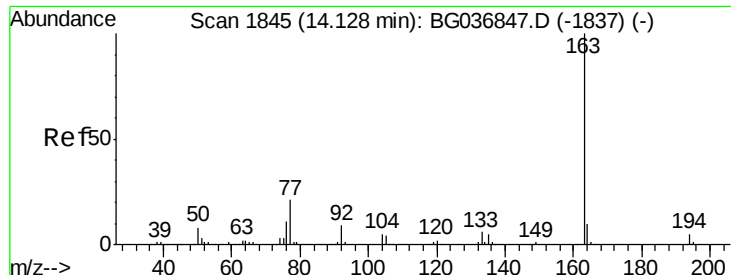
Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 592571 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 20.5  | 16.9  | 25.3   |
| 153       | 13.7  | 11.2  | 16.8   |





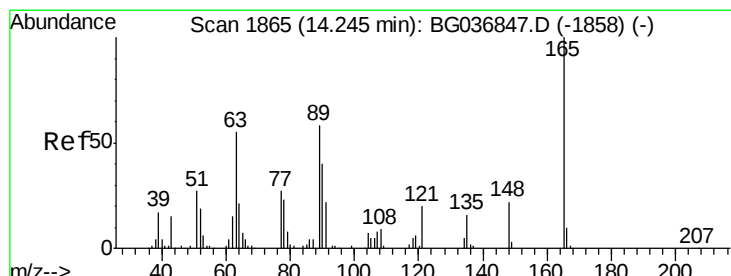
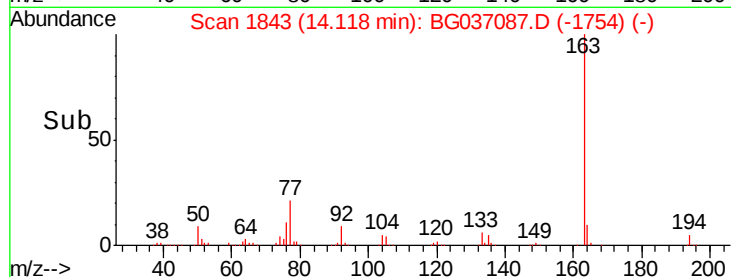
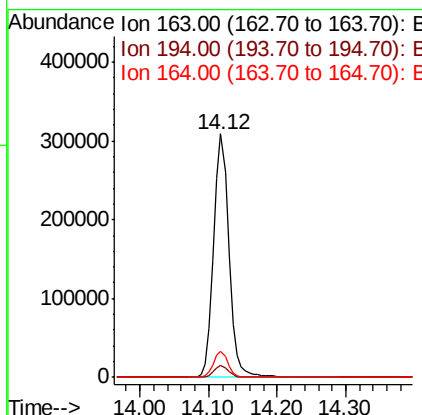
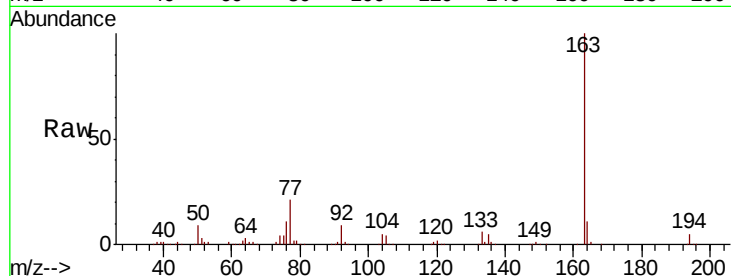
#49  
Dimethylphthalate  
Concen: 41.862 ng  
RT: 14.12 min Scan# 1843  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 163     | 100   | 477381 |       |       |
| 194     | 4.7   | 4.0    | 6.0   |       |
| 164     | 10.7  | 8.1    | 12.1  |       |

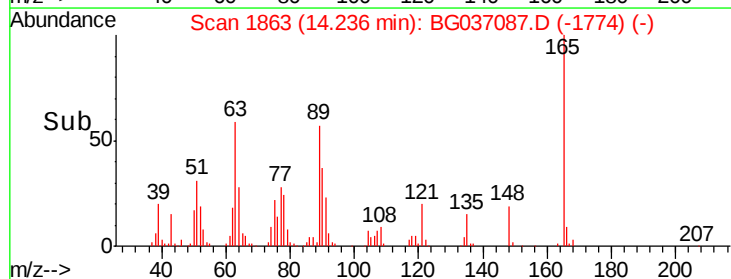
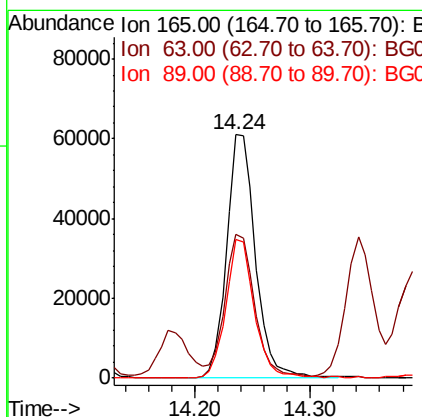
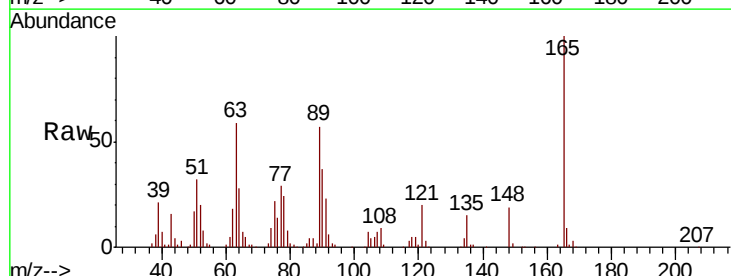
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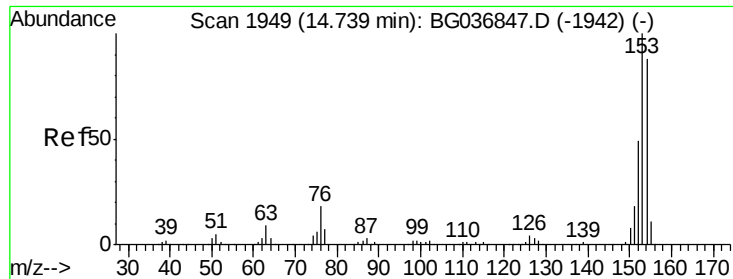
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#50  
2,6-Dinitrotoluene  
Concen: 42.443 ng  
RT: 14.24 min Scan# 1863  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 105602 |       |       |
| 63      | 59.1  | 50.1   | 75.1  |       |
| 89      | 57.1  | 47.8   | 71.6  |       |





#51

Acenaphthene

Concen: 42.057 ng

RT: 14.73 min Scan# 1947

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

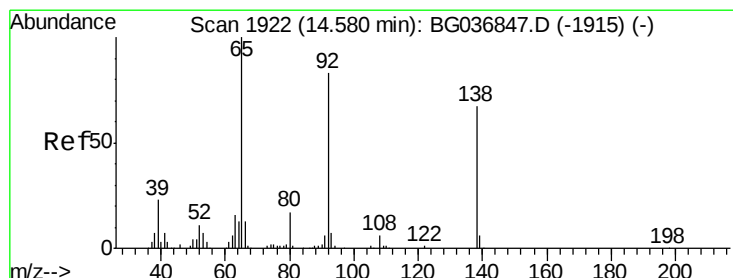
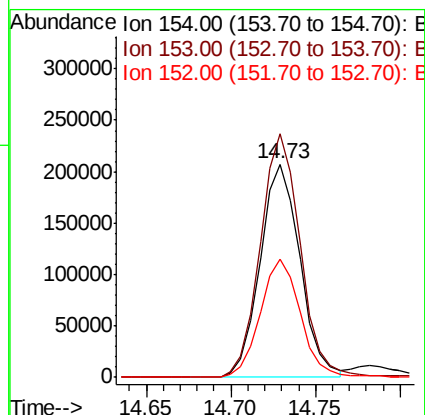
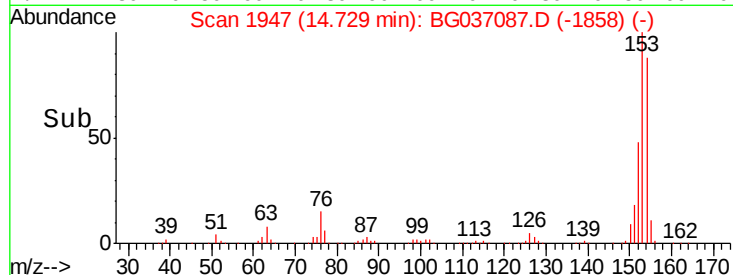
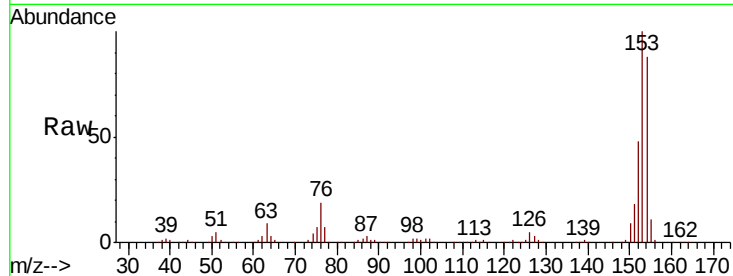
ClientSampleId :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 154   | Resp: | 339860 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 114.0 | 91.8  | 137.6  |
| 152       | 55.2  | 43.5  | 65.3   |

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#52

3-Nitroaniline

Concen: 11.414 ng

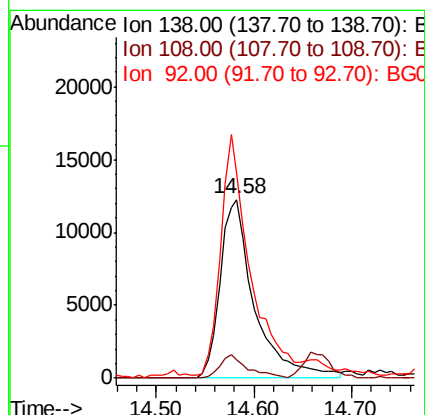
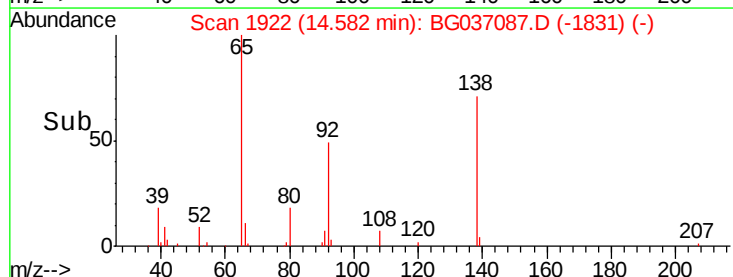
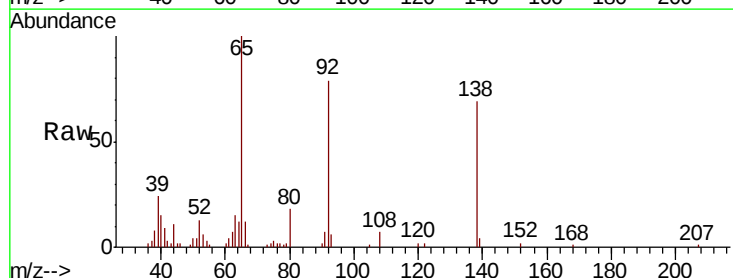
RT: 14.58 min Scan# 1922

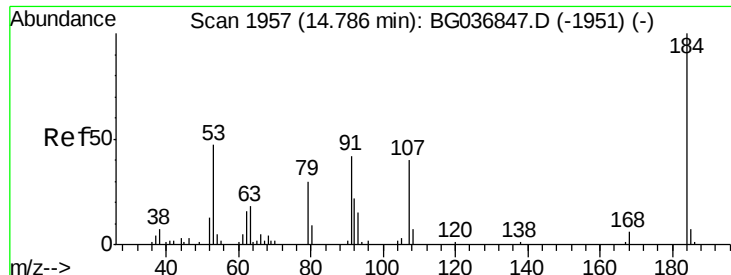
Delta R.T. 0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 29925 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 108       | 10.0  | 9.4   | 14.2  |
| 92        | 114.9 | 96.8  | 145.2 |





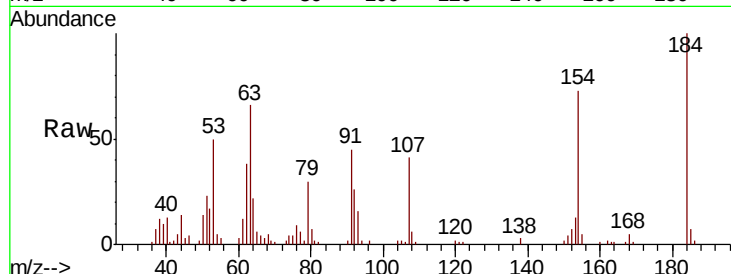
#53  
2,4-Dinitrophenol  
Concen: 36.013 ng  
RT: 14.78 min Scan# 1956  
Delta R.T. -0.00 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 66.0  | 47.3  | 70.9  |
| 154     | 72.6  | 51.1  | 76.7  |

Manual Integrations  
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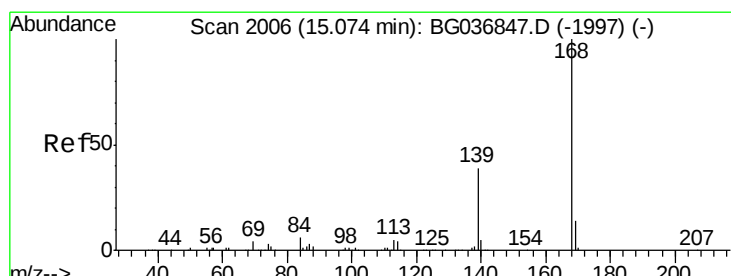
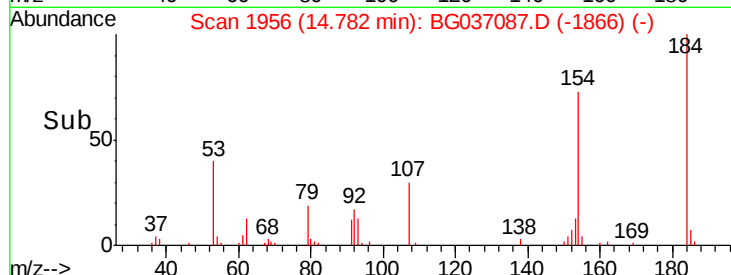
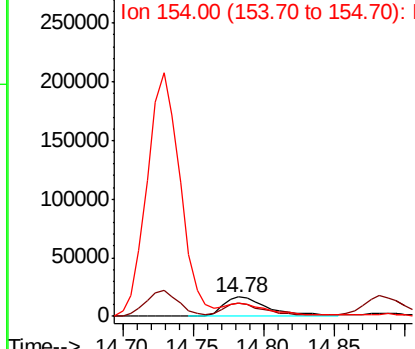


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG

Ion 154.00 (153.70 to 154.70): E



#54  
Dibenzofuran  
Concen: 41.120 ng  
RT: 15.06 min Scan# 2004  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

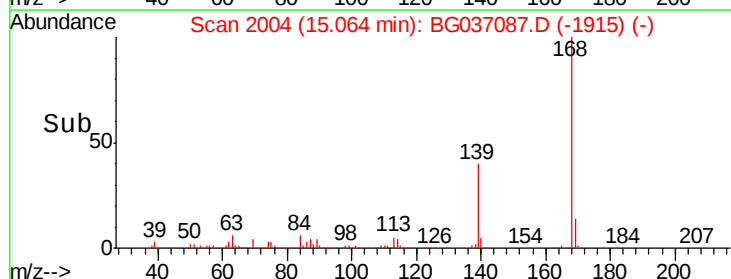
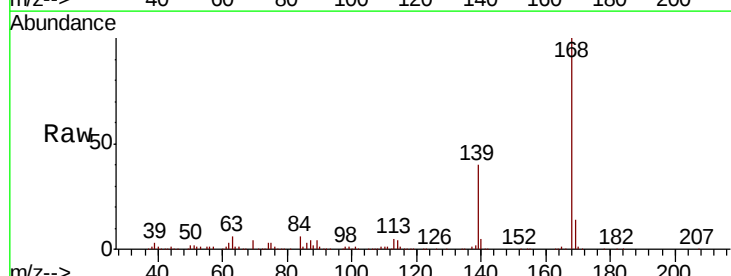
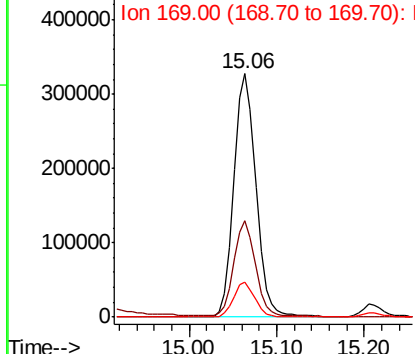
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 39.6  | 31.0  | 46.6  |
| 169     | 14.2  | 11.1  | 16.7  |

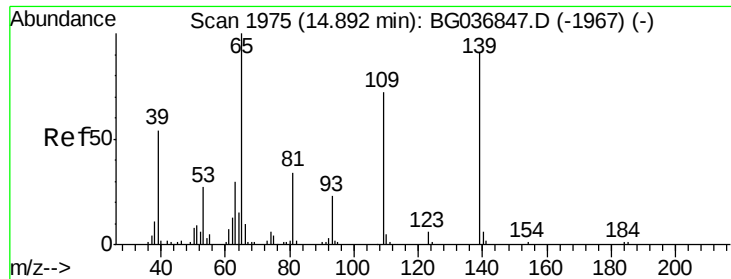
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





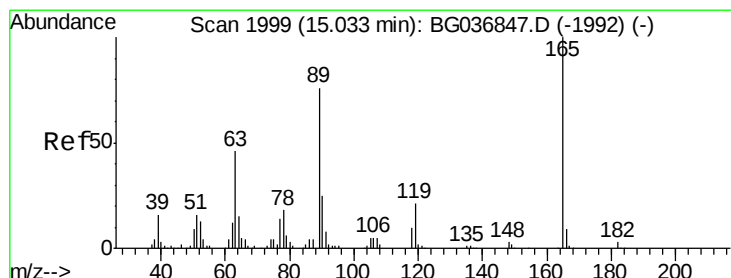
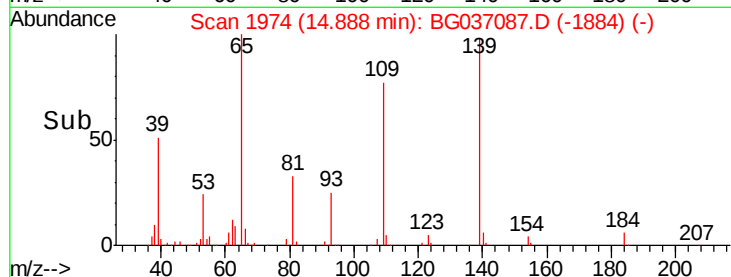
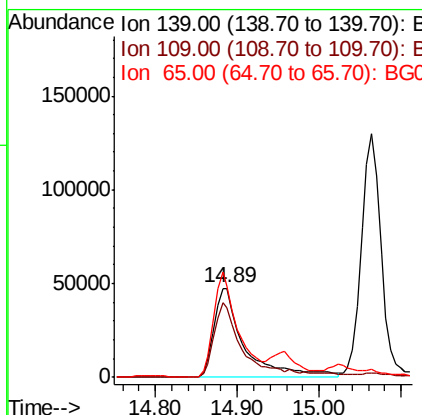
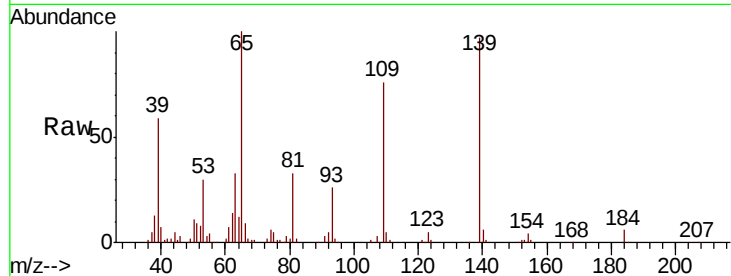
#55  
4-Nitrophenol  
Concen: 73.853 ng  
RT: 14.89 min Scan# 1974  
Delta R.T. -0.00 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 139     | 100   | 123698 |       |       |
| 109     | 78.0  | 63.9   | 103.9 |       |
| 65      | 103.0 | 90.0   | 130.0 |       |

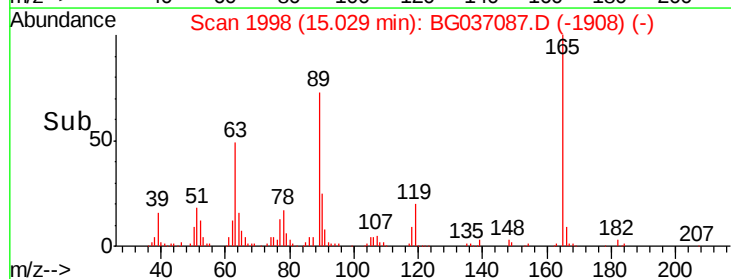
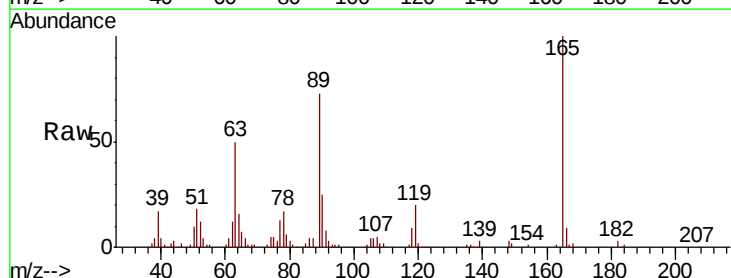
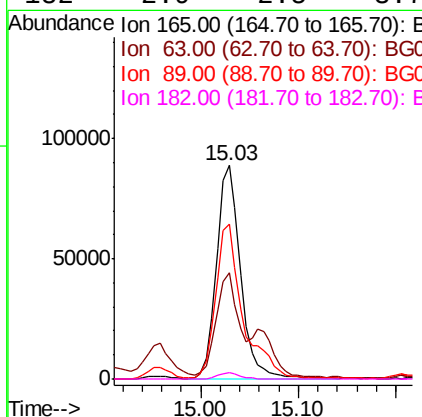
Manual Integrations  
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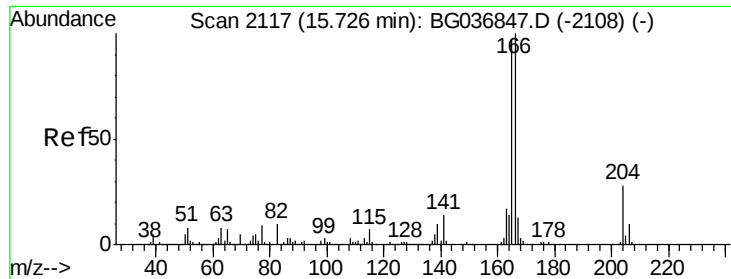
Sohil  
10/2/2018 5:20:46 PM



#56  
2,4-Dinitrotoluene  
Concen: 43.449 ng  
RT: 15.03 min Scan# 1998  
Delta R.T. -0.00 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 165     | 100   | 150847 |       |       |
| 63      | 49.7  | 40.1   | 60.1  |       |
| 89      | 72.5  | 63.7   | 95.5  |       |
| 182     | 2.9   | 2.5    | 3.7   |       |





#57

Fluorene

Concen: 45.045 ng

RT: 15.71 min Scan# 2114

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

ClientSampleId :

HC-SOIL-1MSD

Tot Ion:166 Resp: 460206

Ion Ratio Lower Upper

166 100

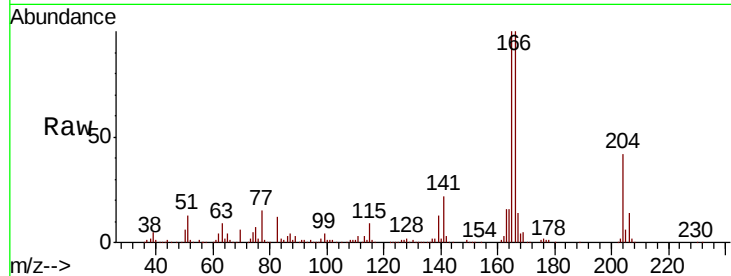
165 99.7 77.0 115.4

167 14.1 10.6 16.0

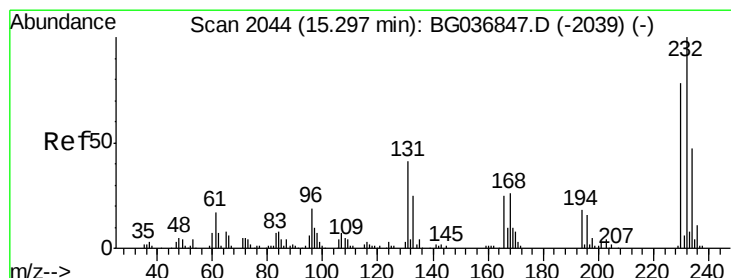
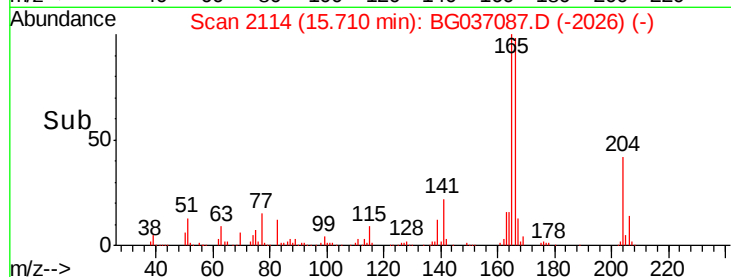
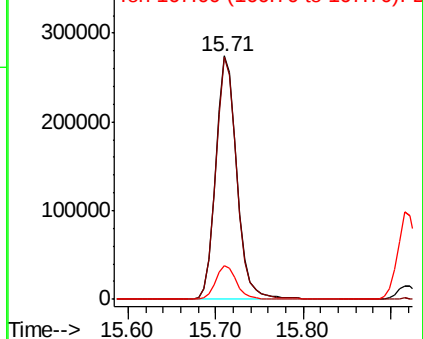
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Abundance Ion 166.00 (165.70 to 166.70): E  
Ion 165.00 (164.70 to 165.70): E  
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.022 ng

RT: 15.29 min Scan# 2043

Delta R.T. -0.00 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Tgt Ion:232 Resp: 133631

Ion Ratio Lower Upper

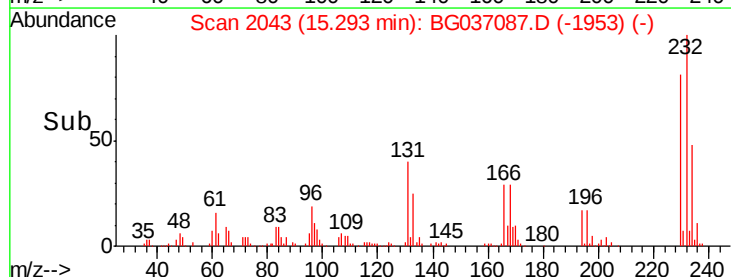
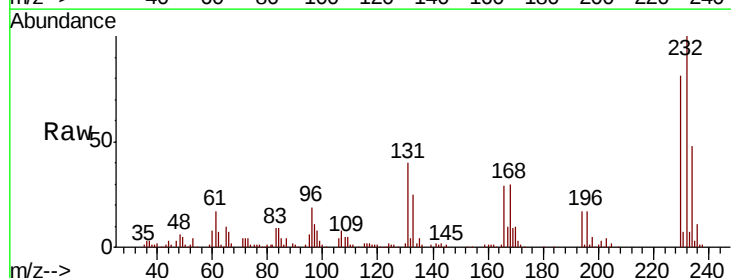
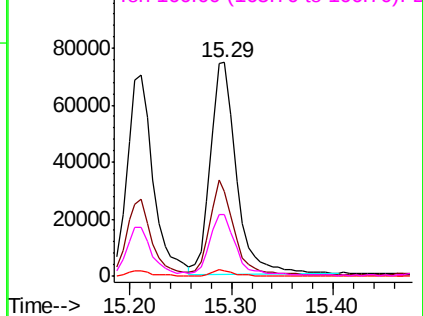
232 100

131 41.9 33.8 50.8

130 2.3 2.1 3.1

166 27.7 22.3 33.5

Abundance Ion 232.00 (231.70 to 232.70): E  
Ion 131.00 (130.70 to 131.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 166.00 (165.70 to 166.70): E





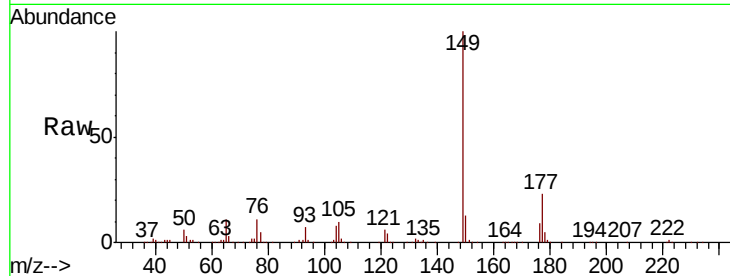
#59  
Diethylphthalate  
Concen: 42.052 ng  
RT: 15.48 min Scan# 2074  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 23.3  | 19.1  | 28.7  |
| 150     | 13.0  | 10.7  | 16.1  |

Manual Integrations  
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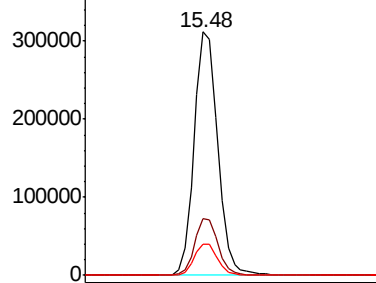


Abundance

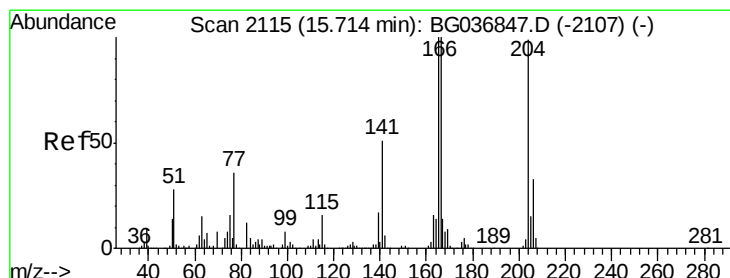
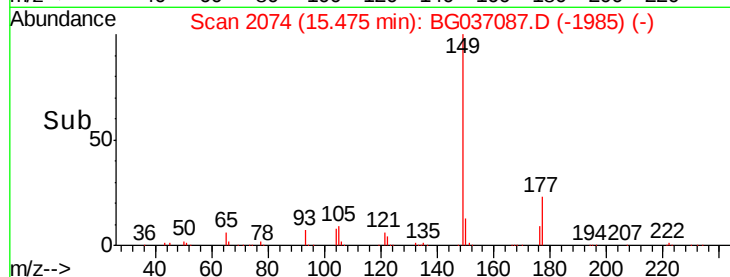
Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

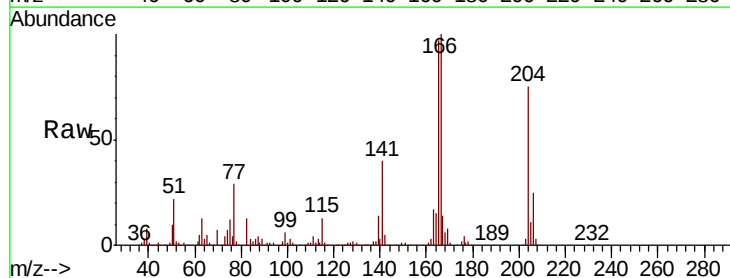


Time-->



#60  
4-Chlorophenyl-phenylether  
Concen: 38.891 ng  
RT: 15.70 min Scan# 2113  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.4  | 27.0  | 40.4  |
| 141     | 53.3  | 43.8  | 65.6  |

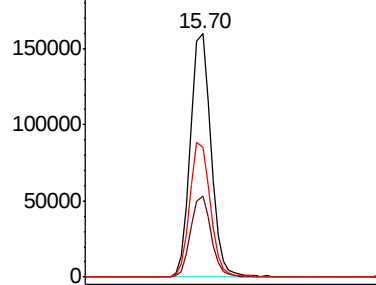


Abundance

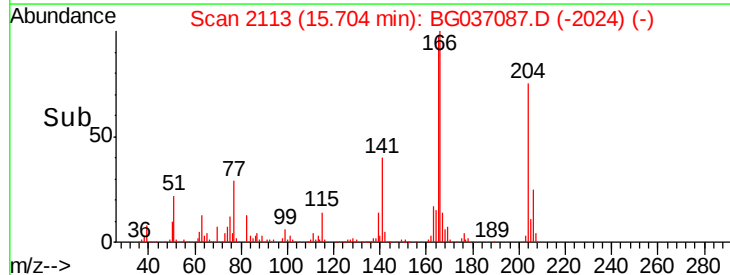
Ion 204.00 (203.70 to 204.70): E

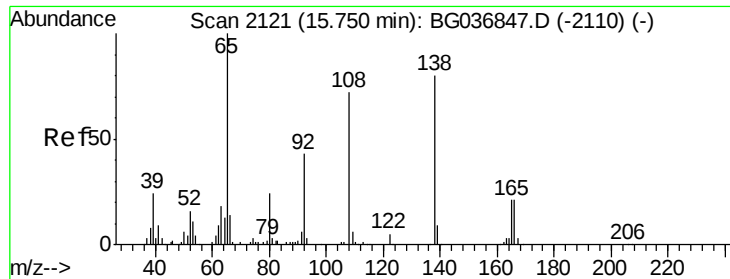
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





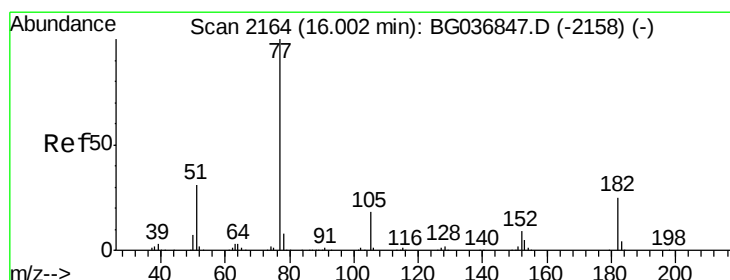
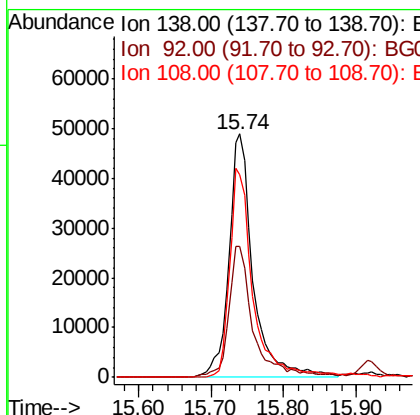
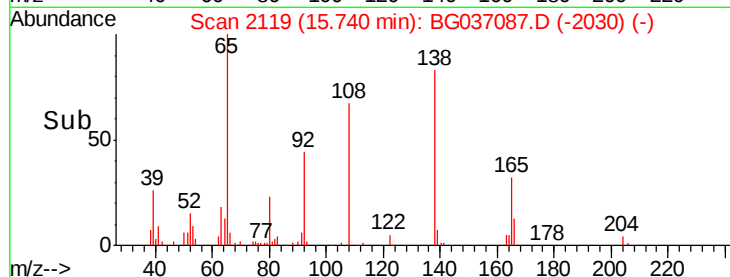
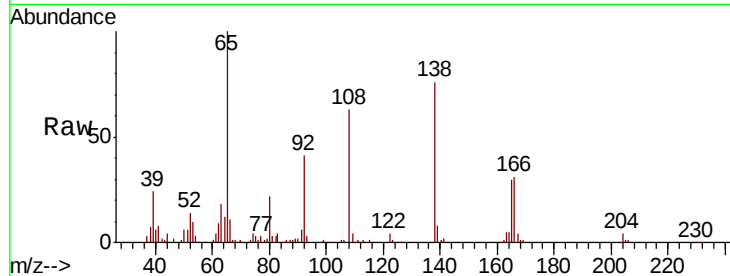
#61  
4-Nitroaniline  
Concen: 41.072 ng  
RT: 15.74 min Scan# 2119  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

Tot Ion:138 Resp: 113270  
Ion Ratio Lower Upper  
138 100  
92 53.5 38.5 78.5  
108 83.4 70.3 110.3

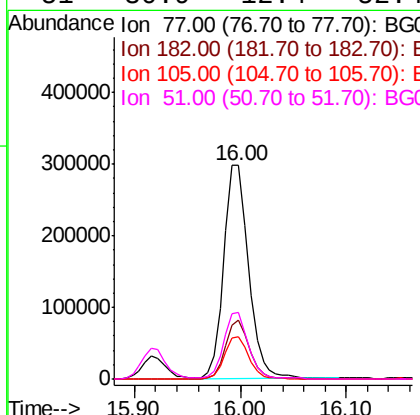
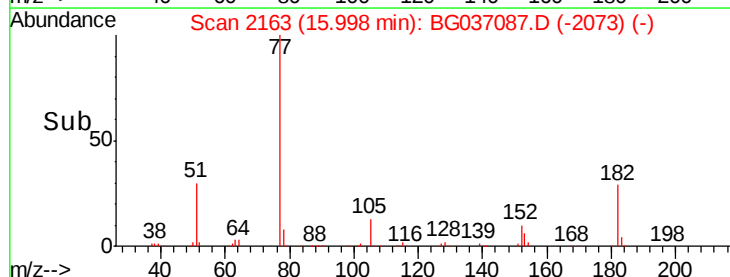
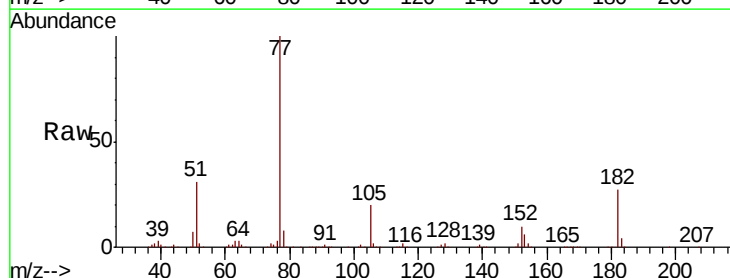
Manual Integrations  
APPROVED

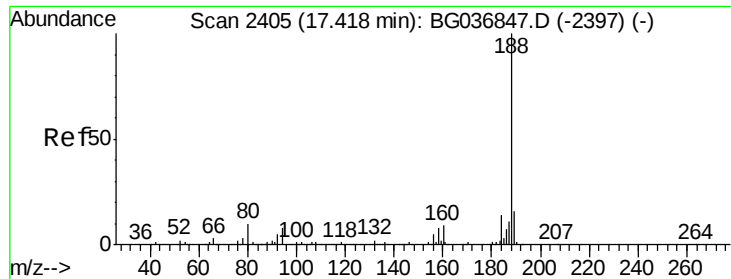
Sohil  
10/2/2018 5:20:46 PM



#62  
Azobenzene  
Concen: 44.018 ng  
RT: 16.00 min Scan# 2163  
Delta R.T. -0.00 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Tgt Ion: 77 Resp: 486471  
Ion Ratio Lower Upper  
77 100  
182 27.4 6.7 46.7  
105 20.0 0.0 39.8  
51 30.9 12.4 52.4





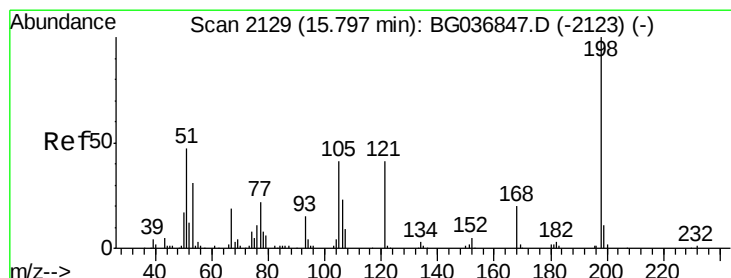
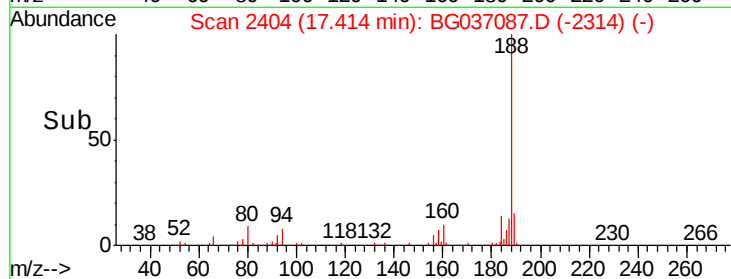
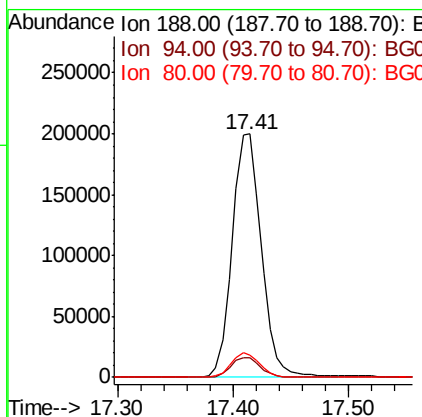
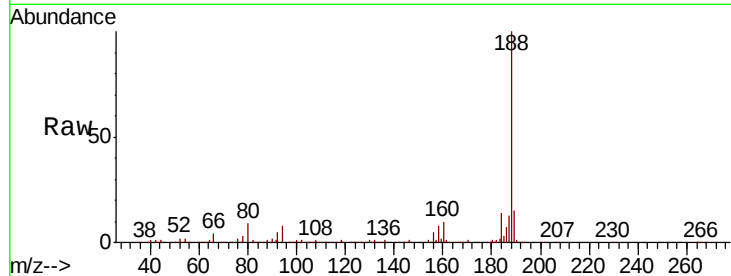
#63  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.41 min Scan# 2404  
Delta R.T. -0.00 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 188     | 100   | 349985 |       |       |
| 94      | 8.1   |        | 6.7   | 10.1  |
| 80      | 9.0   |        | 8.1   | 12.1  |

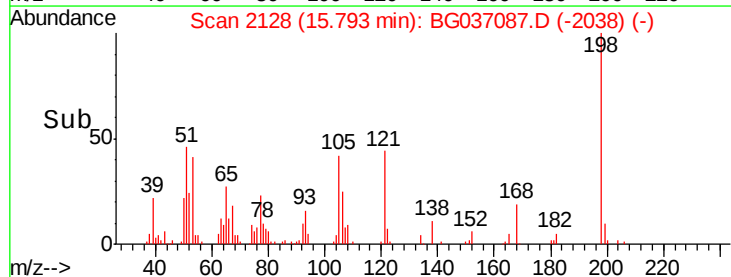
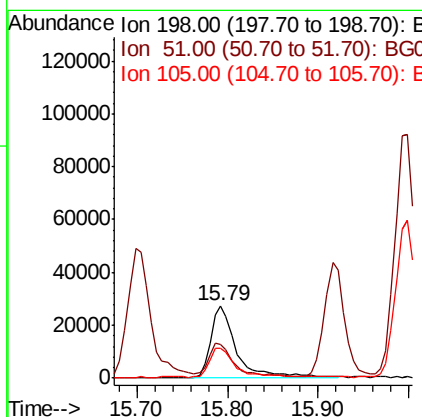
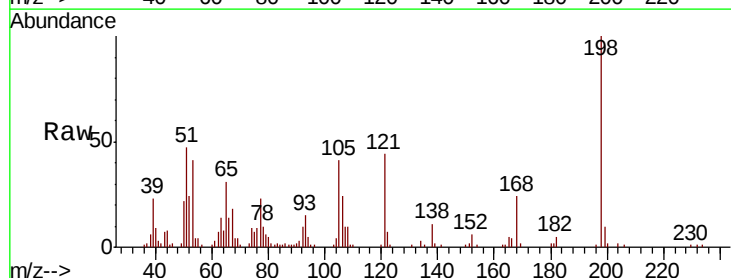
Manual Integrations  
APPROVED

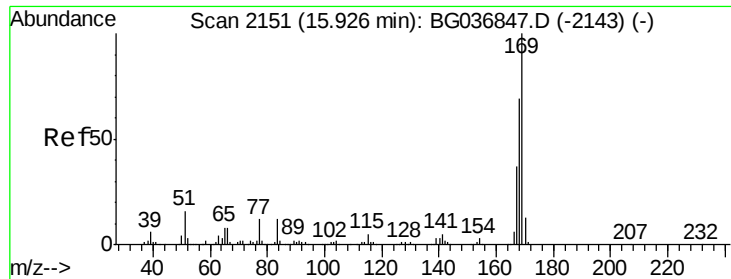
Sohil  
10/2/2018 5:20:46 PM



#64  
4,6-Dinitro-2-methylphenol  
Concen: 29.841 ng  
RT: 15.79 min Scan# 2128  
Delta R.T. -0.00 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 54603 |       |       |
| 51      | 47.1  |       | 26.5  | 66.5  |
| 105     | 41.3  |       | 20.2  | 60.2  |





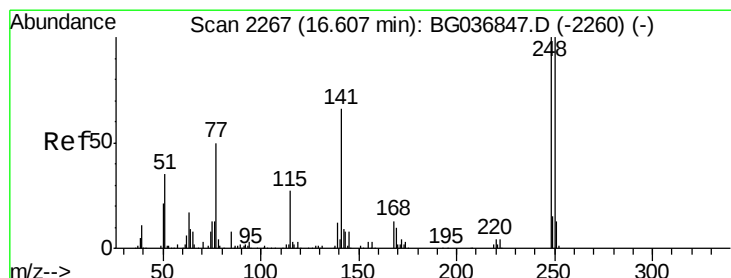
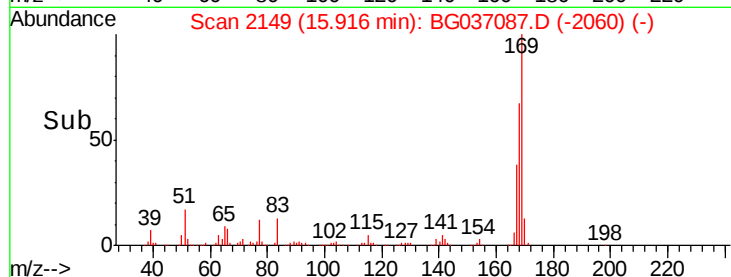
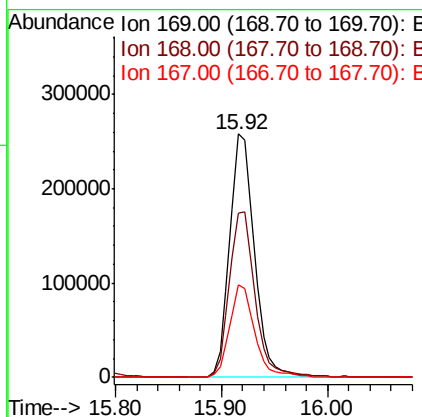
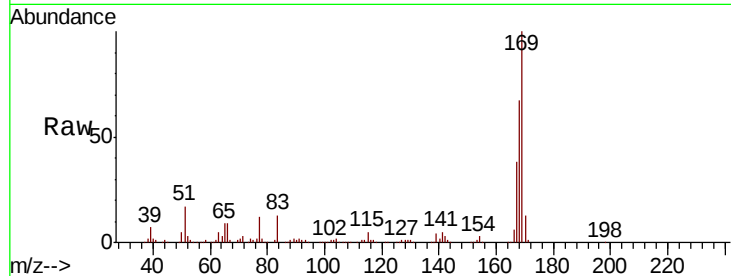
#65  
n-Nitrosodiphenylamine  
Concen: 43.293 ng  
RT: 15.92 min Scan# 2149  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 418300 |       |       |
| 168     | 67.3  |        | 57.6  | 86.4  |
| 167     | 37.9  |        | 31.0  | 46.4  |

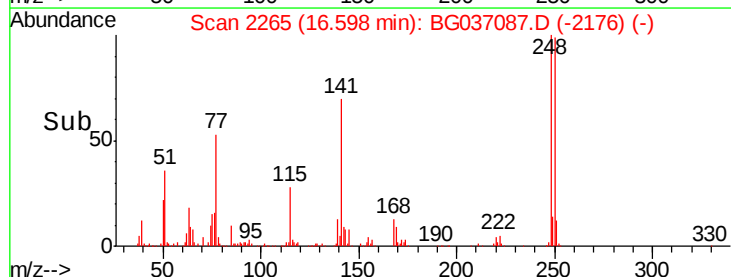
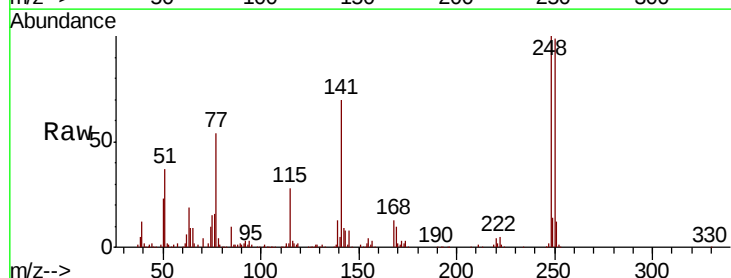
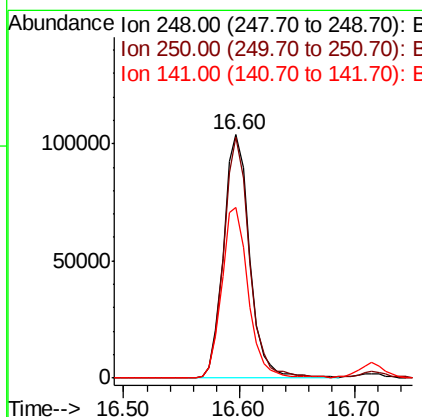
Manual Integrations  
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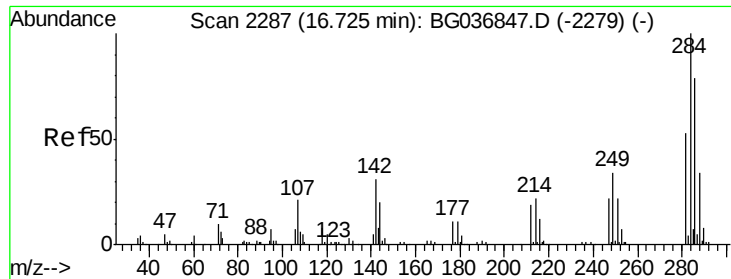
Sohil  
10/2/2018 5:20:46 PM



#66  
4-Bromophenyl-phenylether  
Concen: 41.066 ng  
RT: 16.60 min Scan# 2265  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 163481 |       |       |
| 250     | 98.9  |        | 78.1  | 117.1 |
| 141     | 70.4  |        | 53.7  | 80.5  |





#67

Hexachlorobenzene

Concen: 40.459 ng

RT: 16.72 min Scan# 2285

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

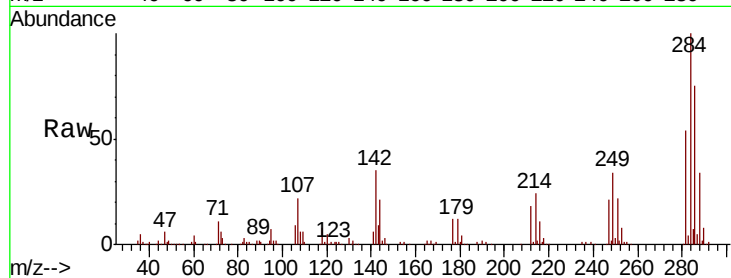
ClientSampleId :

HC-SOIL-1MSD

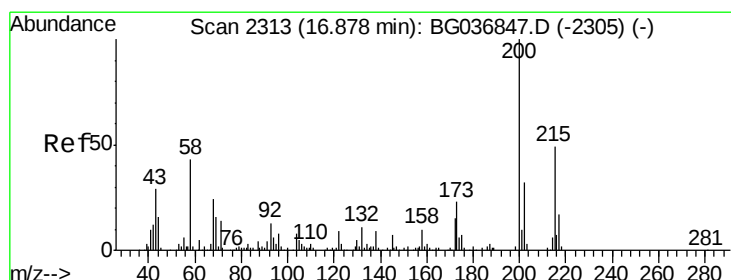
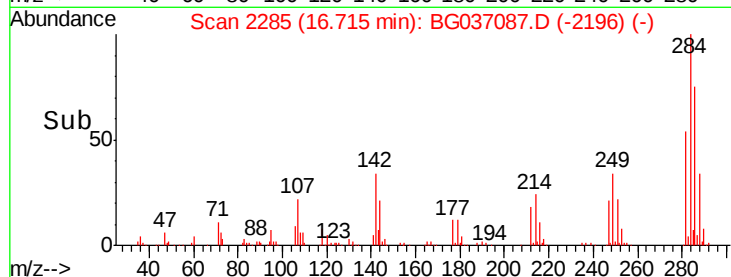
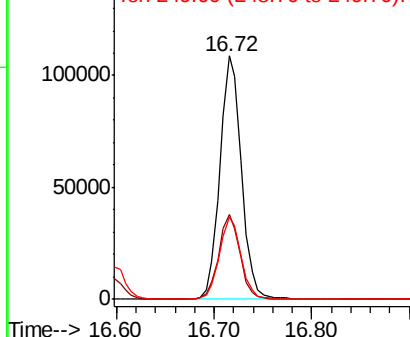
|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 284  | Resp: | 165882 |
| Ion Ratio |      | Lower | Upper  |
| 284       | 100  |       |        |
| 142       | 34.6 | 27.8  | 41.6   |
| 249       | 33.6 | 27.4  | 41.2   |

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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



#68

Atrazine

Concen: 44.974 ng

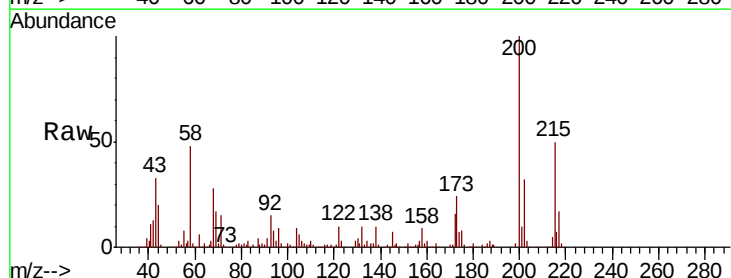
RT: 16.87 min Scan# 2311

Delta R.T. -0.01 min

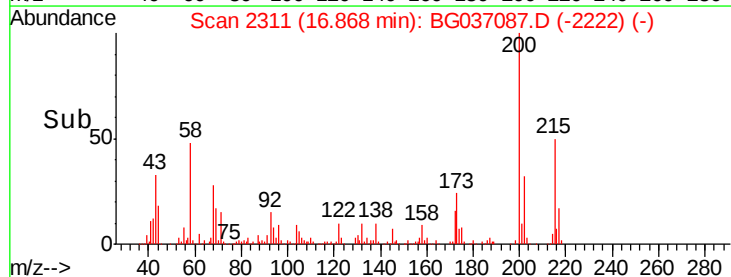
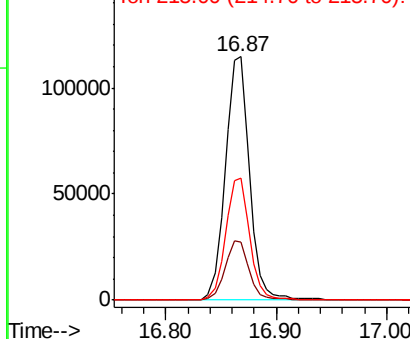
Lab File: BG037087.D

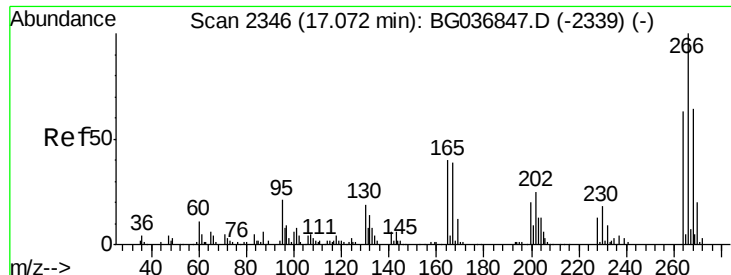
Acq: 1 Oct 2018 22:12

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 200  | Resp: | 175950 |
| Ion Ratio |      | Lower | Upper  |
| 200       | 100  |       |        |
| 173       | 24.1 | 3.9   | 43.9   |
| 215       | 50.1 | 30.4  | 70.4   |



Abundance Ion 200.00 (199.70 to 200.70): E  
Ion 173.00 (172.70 to 173.70): E  
Ion 215.00 (214.70 to 215.70): E





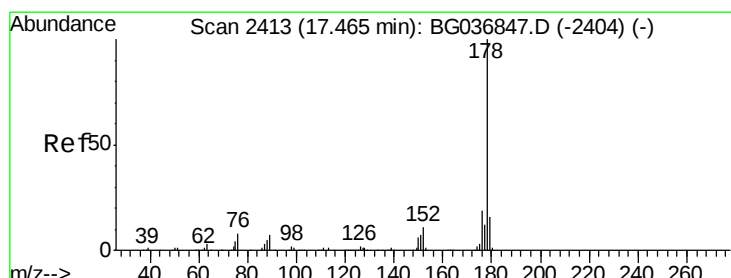
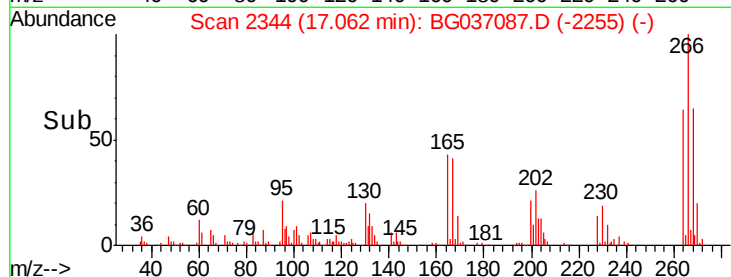
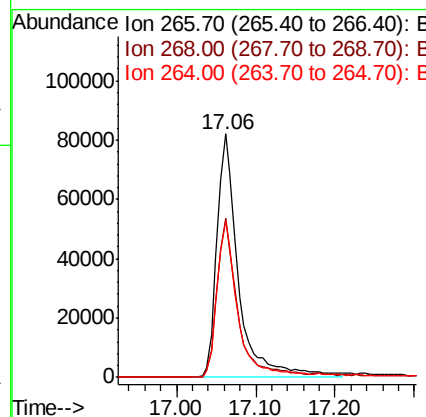
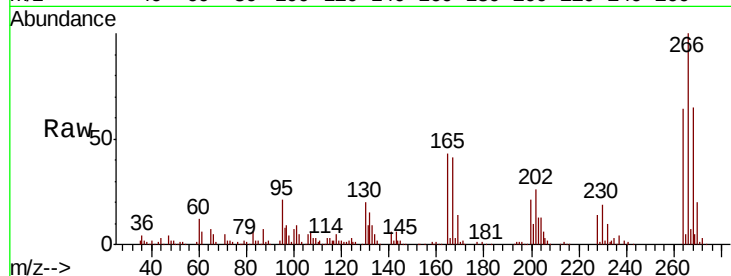
#69  
 Pentachlorophenol  
 Concen: 60.317 ng  
 RT: 17.06 min Scan# 2344  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampled :  
 HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 65.2  | 51.4  | 77.2  |
| 264     | 64.3  | 48.9  | 73.3  |

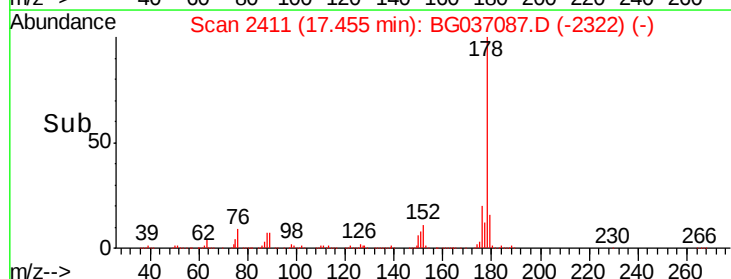
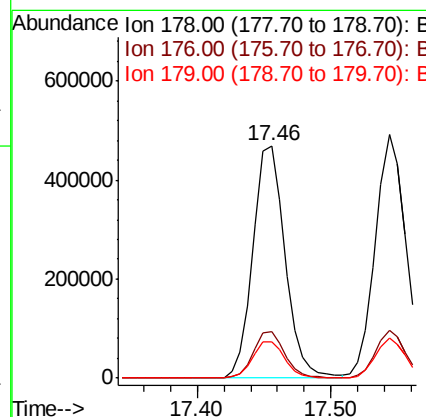
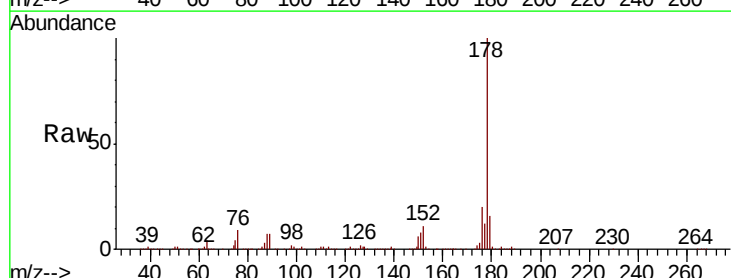
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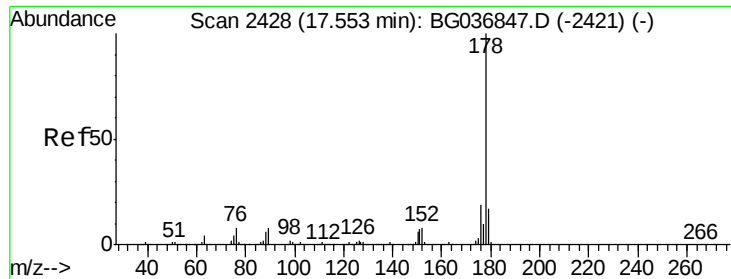
Sohil  
 10/2/2018 5:20:46 PM



#70  
 Phenanthrene  
 Concen: 46.186 ng  
 RT: 17.46 min Scan# 2411  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.2  | 15.4  | 23.2  |
| 179     | 15.6  | 13.4  | 20.2  |





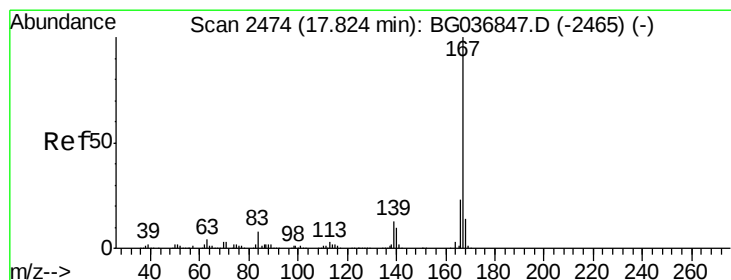
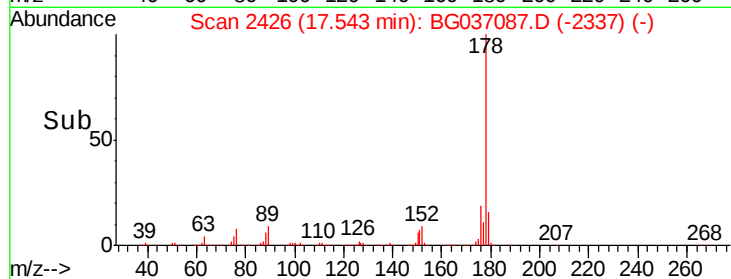
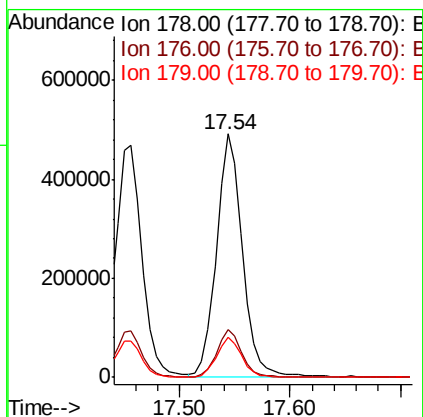
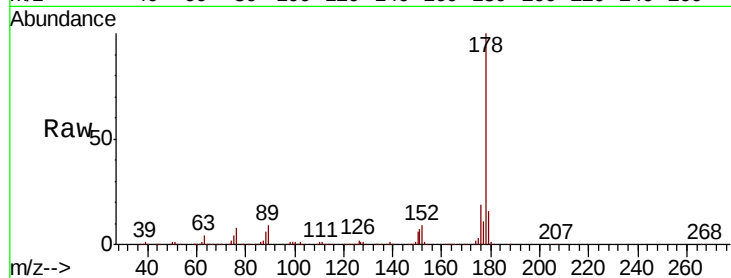
#71  
 Anthracene  
 Concen: 47.744 ng  
 RT: 17.54 min Scan# 2426  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.4  | 15.4  | 23.2  |
| 179     | 16.4  | 13.0  | 19.4  |

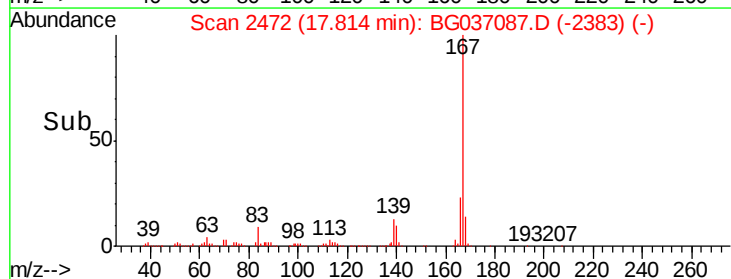
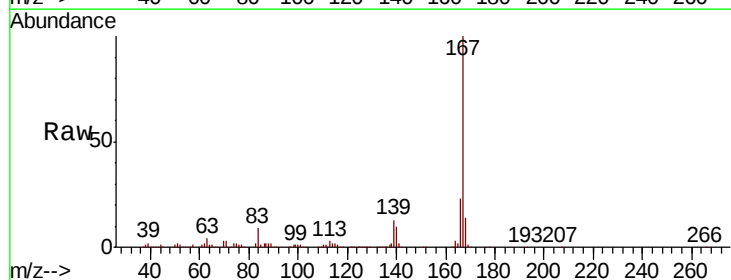
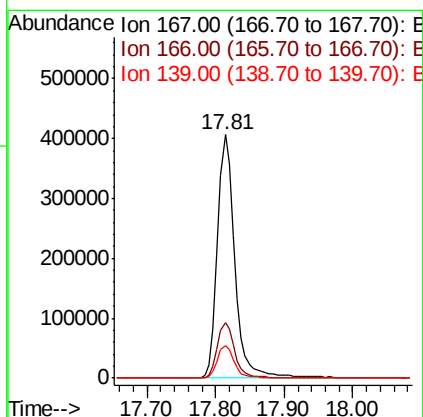
Manual Integrations  
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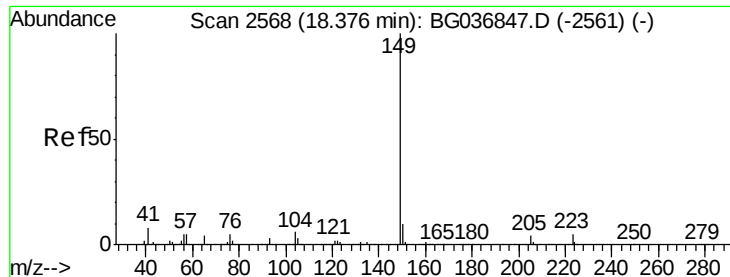
Sohil  
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#72  
 Carbazole  
 Concen: 43.742 ng  
 RT: 17.81 min Scan# 2472  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.9  | 19.5  | 29.3  |
| 139     | 13.2  | 10.7  | 16.1  |





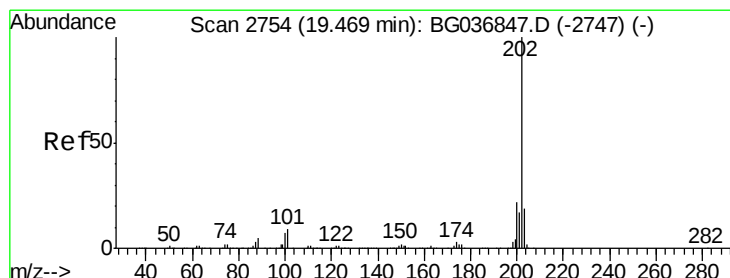
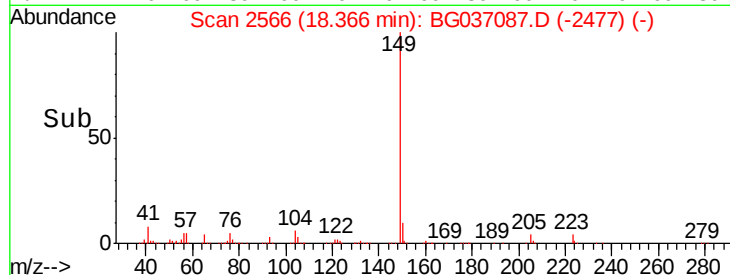
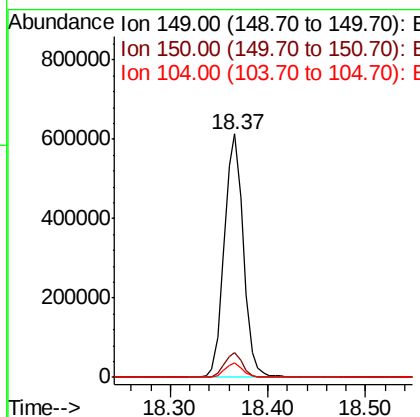
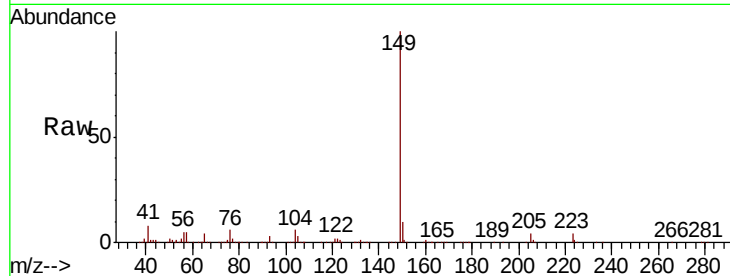
#73  
Di-n-butylphthalate  
Concen: 45.938 ng  
RT: 18.37 min Scan# 2566  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 150     | 10.0  | 8.1  | 12.1  |       |
| 104     | 6.0   | 4.6  | 6.8   |       |

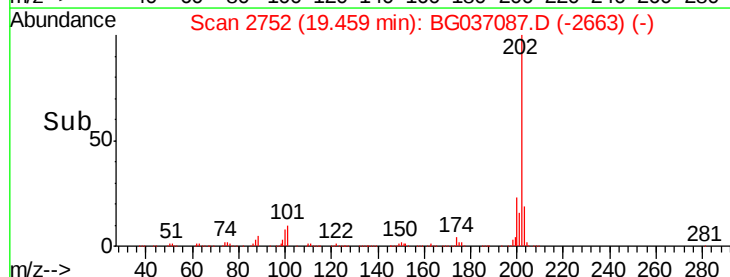
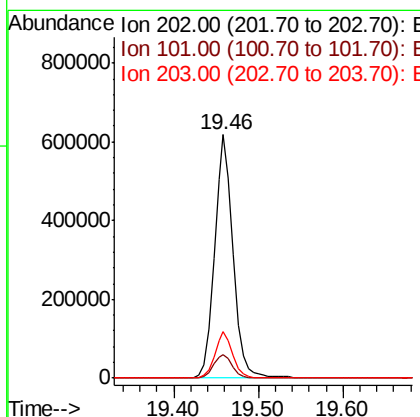
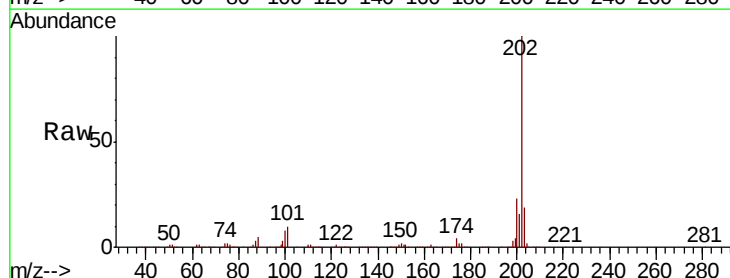
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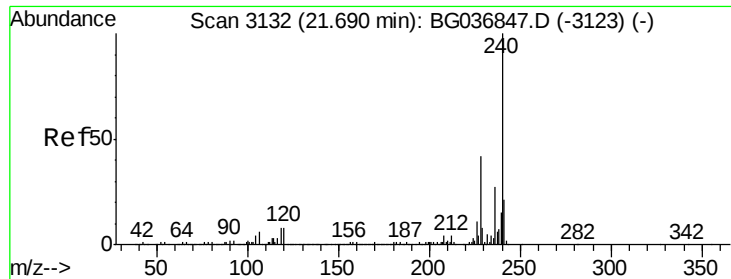
Sohil  
10/2/2018 5:20:46 PM



#74  
Fluoranthene  
Concen: 46.840 ng  
RT: 19.46 min Scan# 2752  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 202     | 100   |      |       |       |
| 101     | 9.8   | 0.0  | 29.4  |       |
| 203     | 19.0  | 0.0  | 38.9  |       |





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.68 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

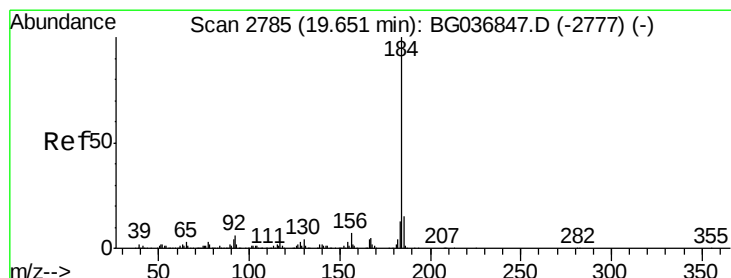
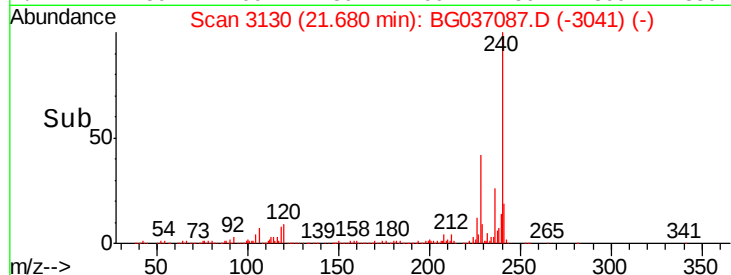
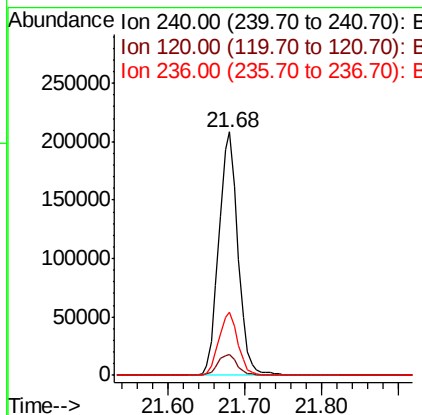
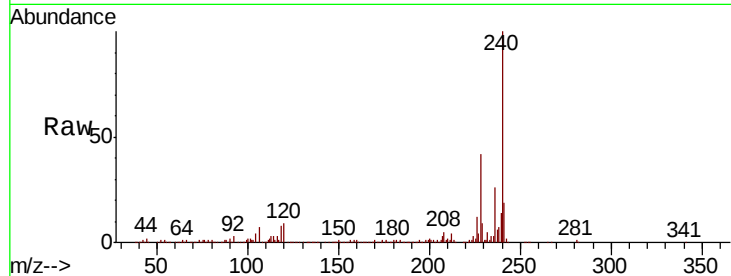
ClientSampleId :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 240   | Resp: | 358129 |
| Ion Ratio | Lower | Upper |        |
| 240       | 100   |       |        |
| 120       | 8.7   | 6.9   | 10.3   |
| 236       | 26.0  | 21.2  | 31.8   |

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#76

Benzidine

Concen: 15.503 ng

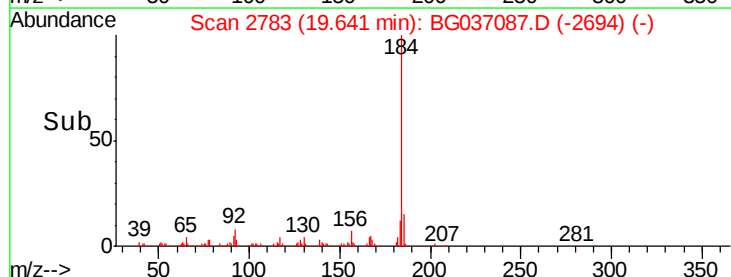
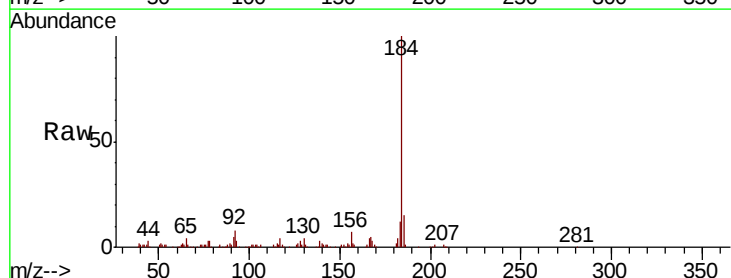
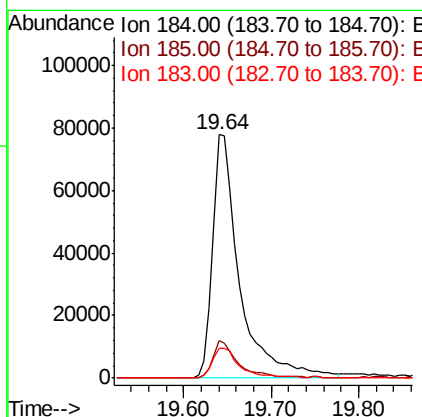
RT: 19.64 min Scan# 2783

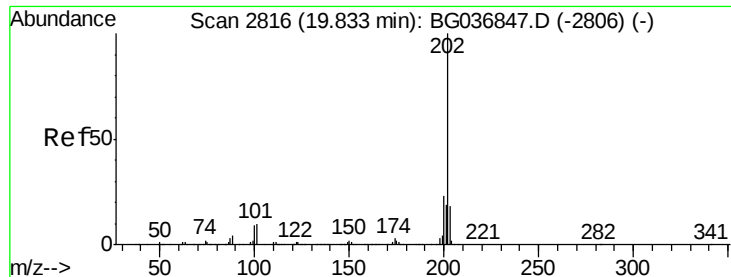
Delta R.T. -0.01 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 184   | Resp: | 167842 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.2  | 12.6  | 18.8   |
| 183       | 12.4  | 10.9  | 16.3   |





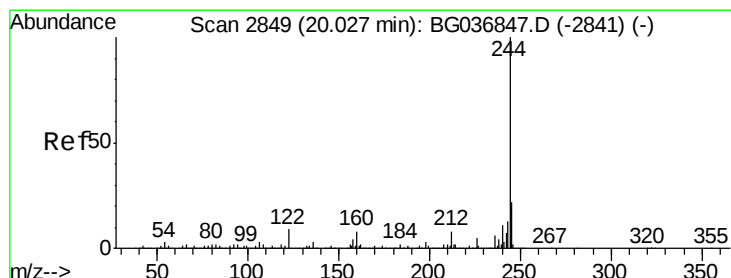
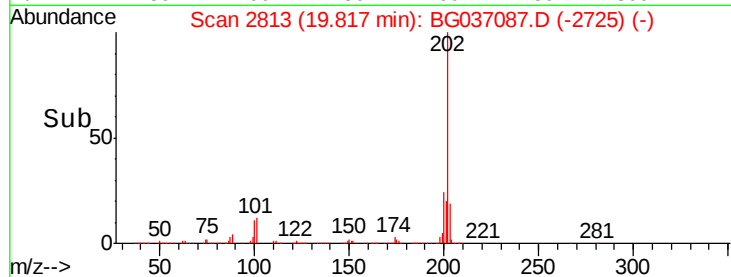
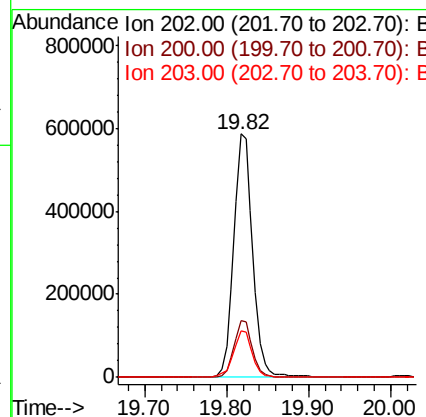
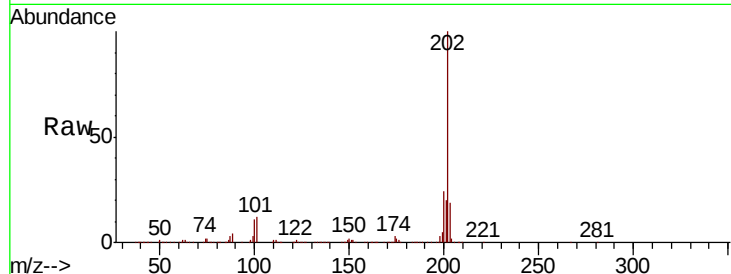
#77  
Pvrene  
Concen: 43.906 ng  
RT: 19.82 min Scan# 2813  
Delta R.T. -0.02 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 200     | 23.5  | 18.3       | 27.5  |
| 203     | 19.2  | 15.1       | 22.7  |

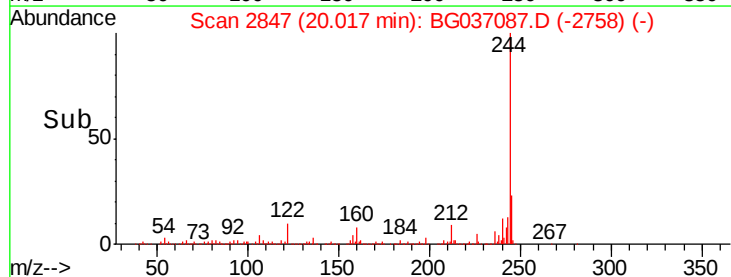
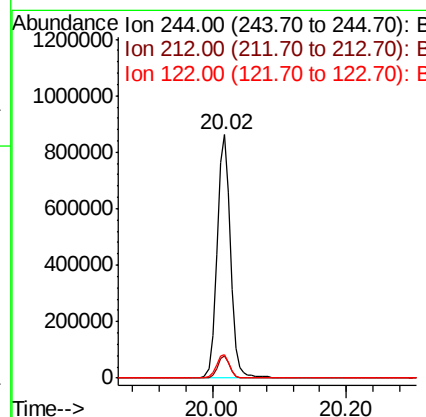
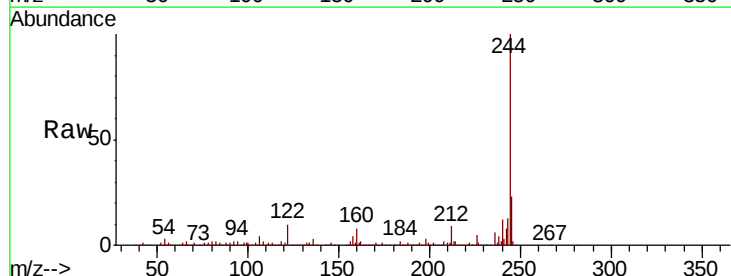
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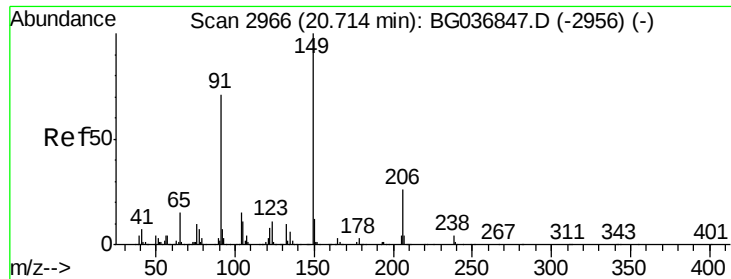
Sohil  
10/2/2018 5:20:46 PM



#78  
Terphenyl-d14  
Concen: 89.555 ng  
RT: 20.02 min Scan# 2847  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 244     | 100   |            |       |
| 212     | 9.0   | 7.0        | 10.6  |
| 122     | 9.7   | 7.1        | 10.7  |





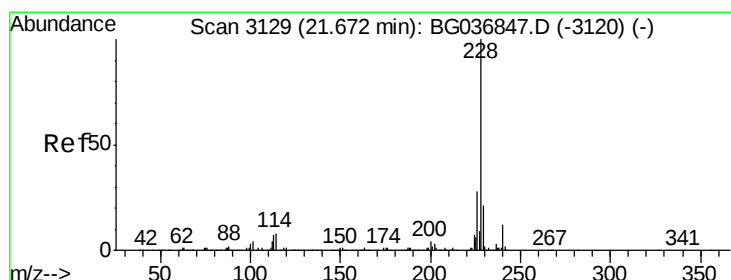
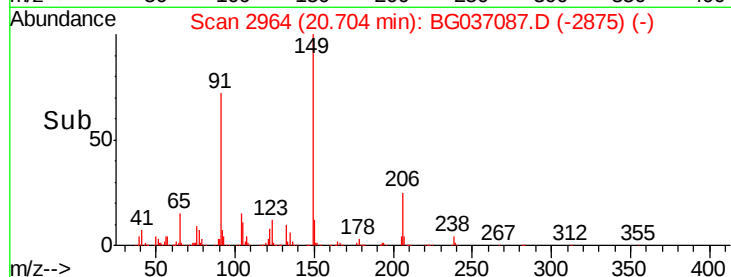
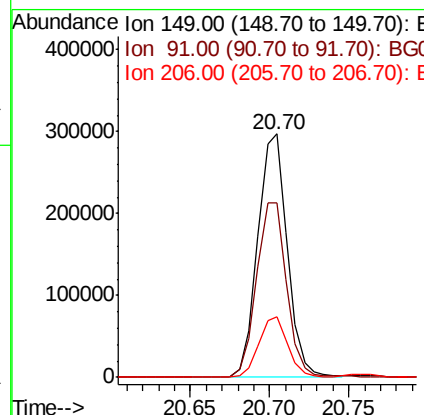
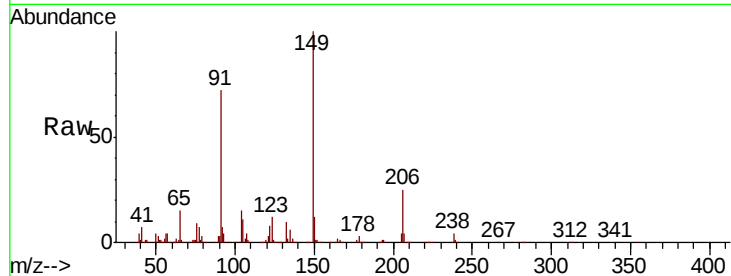
#79  
Butylbenzylphthalate  
Concen: 45.105 ng  
RT: 20.70 min Scan# 2964  
Delta R.T. -0.01 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 149     | 100   |            |       |
| 91      | 71.6  | 62.0       | 93.0  |
| 206     | 25.0  | 19.6       | 29.4  |

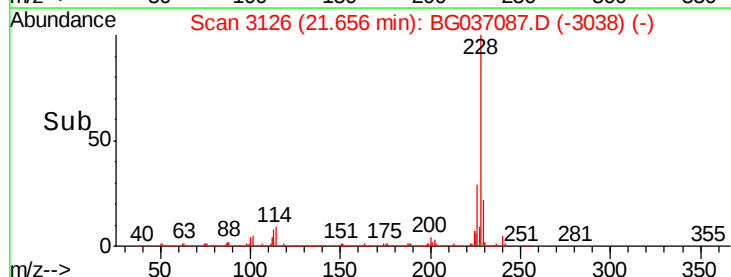
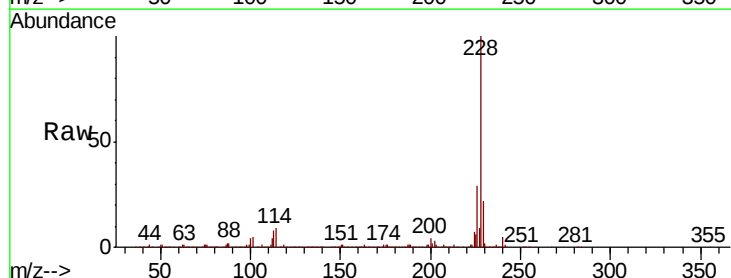
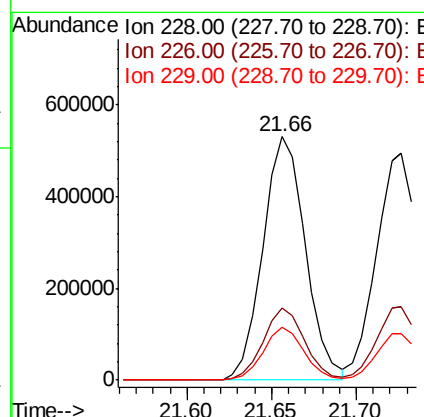
Manual Integrations  
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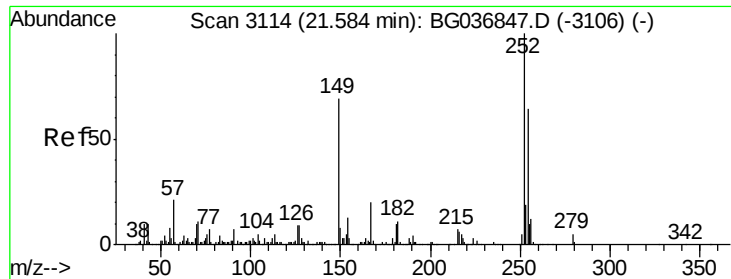
Sohil  
10/2/2018 5:20:46 PM



#80  
Benzo(a)anthracene  
Concen: 44.360 ng  
RT: 21.66 min Scan# 3126  
Delta R.T. -0.02 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 228     | 100   |            |       |
| 226     | 29.4  | 23.4       | 35.2  |
| 229     | 21.5  | 17.1       | 25.7  |





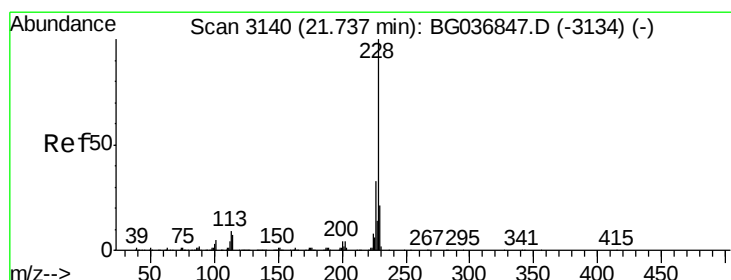
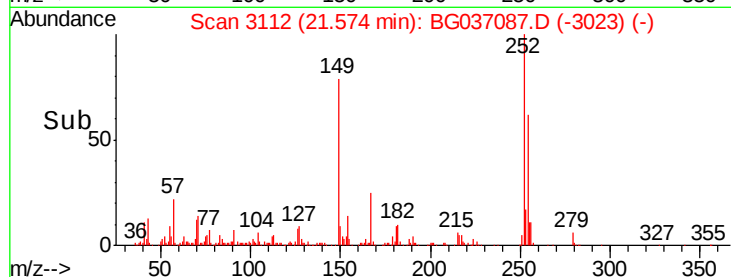
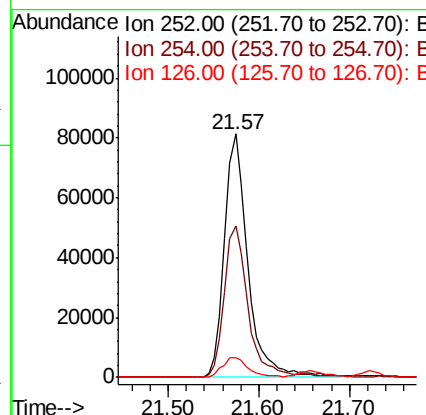
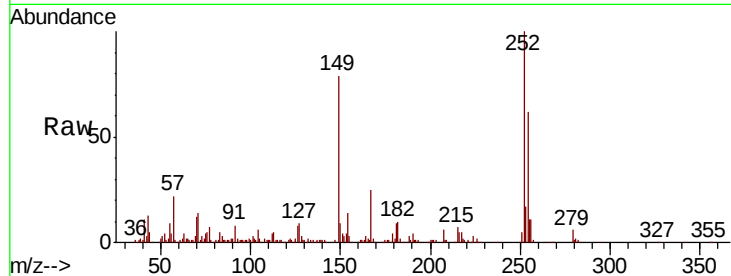
#81  
 3,3'-Dichlorobenzidine  
 Concen: 18.371 ng  
 RT: 21.57 min Scan# 3112  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

Instrument :  
 BNA\_G  
 ClientSampleId :  
 HC-SOIL-1MSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 252     | 100   | 146185 |       |       |
| 254     | 62.3  | 51.0   | 76.4  |       |
| 126     | 8.0   | 7.4    | 11.0  |       |

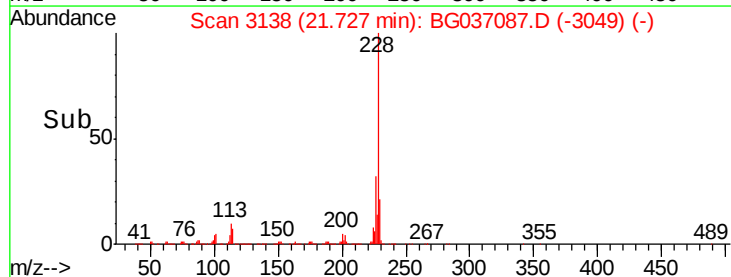
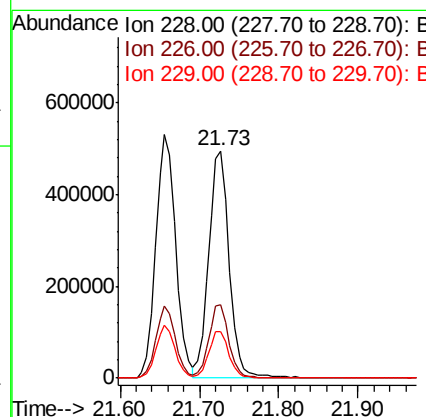
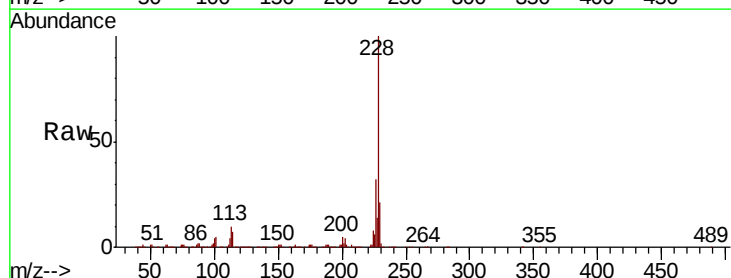
Manual Integrations  
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 10/2/2018 5:20:46 PM



#82  
 Chrysene  
 Concen: 43.913 ng  
 RT: 21.73 min Scan# 3138  
 Delta R.T. -0.01 min  
 Lab File: BG037087.D  
 Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 228     | 100   | 887011 |       |       |
| 226     | 32.1  | 25.5   | 38.3  |       |
| 229     | 20.7  | 16.9   | 25.3  |       |





#83

Bis(2-ethylhexyl)phthalate

Concen: 45.072 ng

RT: 21.56 min Scan# 3109

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

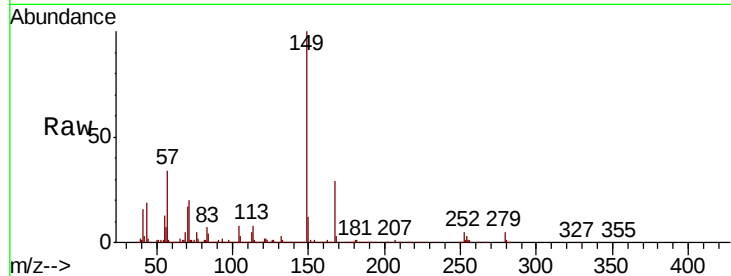
ClientSampleId :

HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 29.0  | 23.4  | 35.0  |
| 279     | 5.2   | 4.6   | 7.0   |

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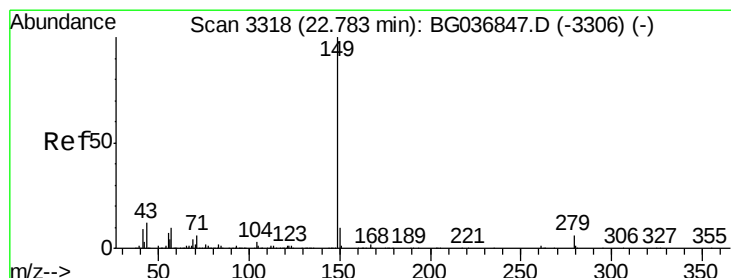
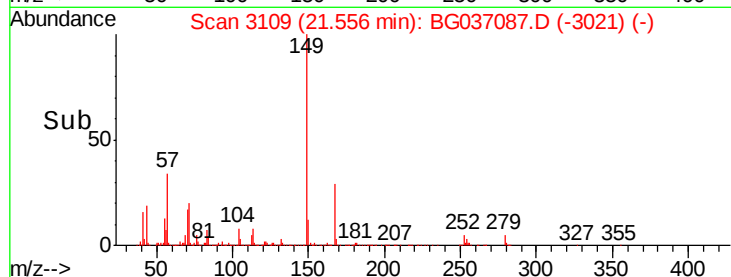
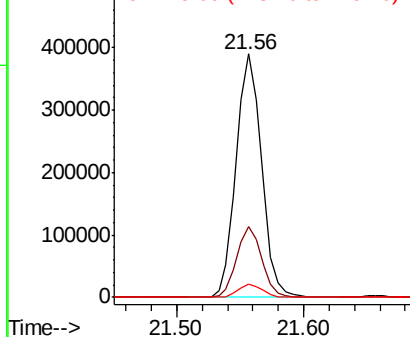


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 46.056 ng

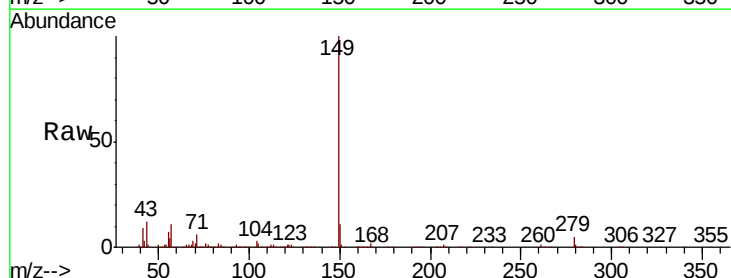
RT: 22.76 min Scan# 3314

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 167     | 1.7   | 1.3   | 1.9   |
| 43      | 12.0  | 10.0  | 15.0  |

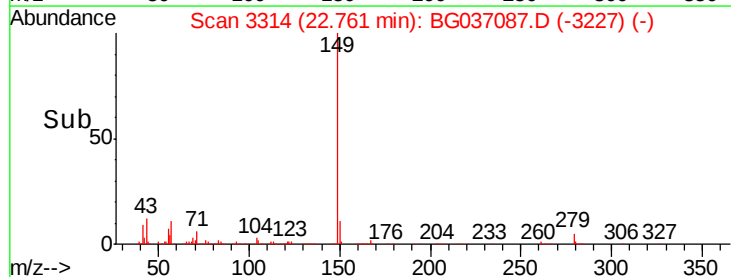
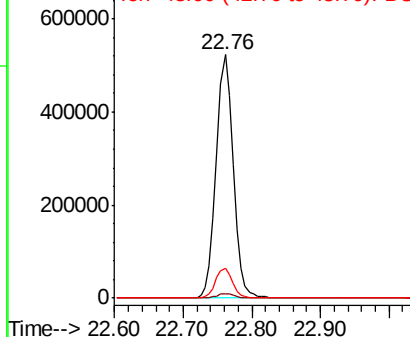


Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC





#85

Indeno(1,2,3-cd)pyrene

Concen: 46.848 ng

RT: 28.53 min Scan# 4296

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

ClientSampleId :

HC-SOIL-1MSD

Tot Ion:276 Resp: 1016165

Ion Ratio Lower Upper

276 100

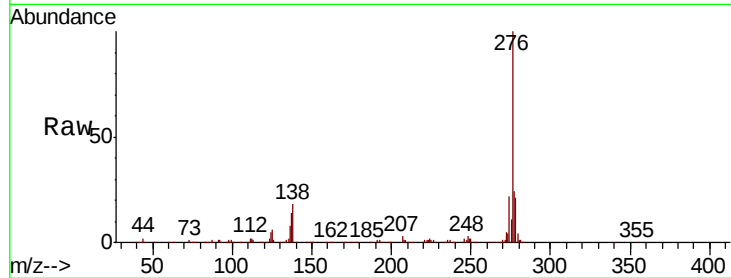
138 11.0 10.6 15.8

277 25.2 20.6 30.8

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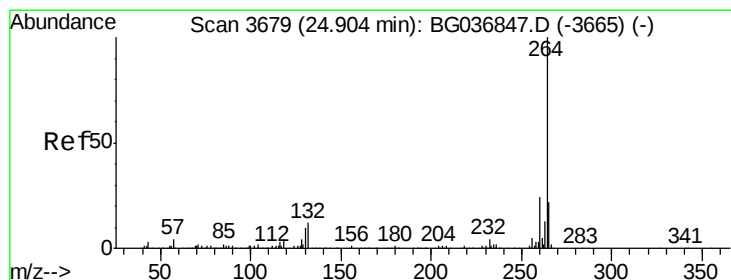
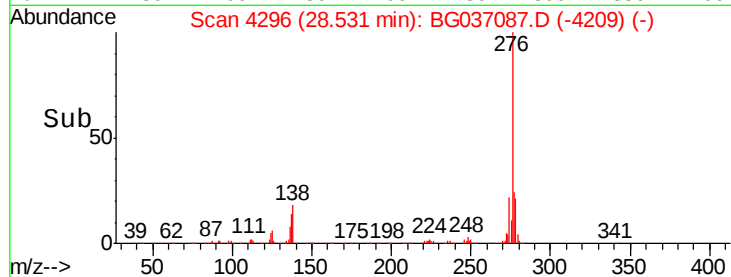
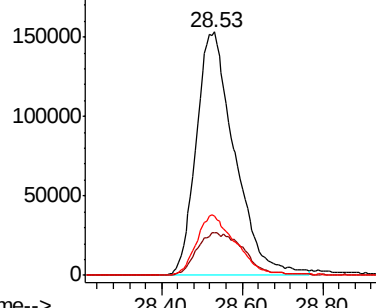


Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.88 min Scan# 3675

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

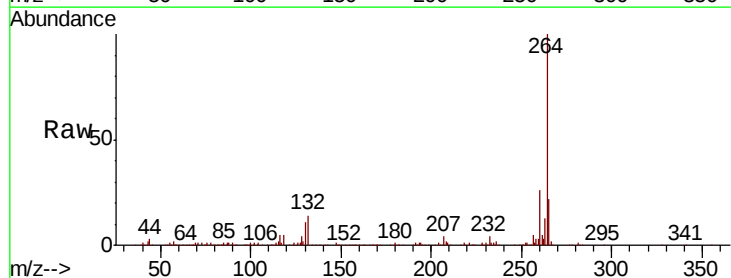
Tgt Ion:264 Resp: 366125

Ion Ratio Lower Upper

264 100

260 25.6 19.6 29.4

265 22.1 17.4 26.0

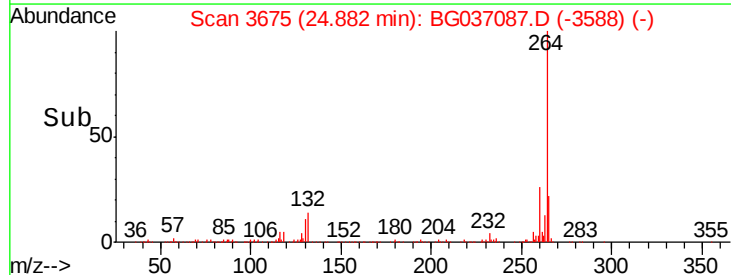
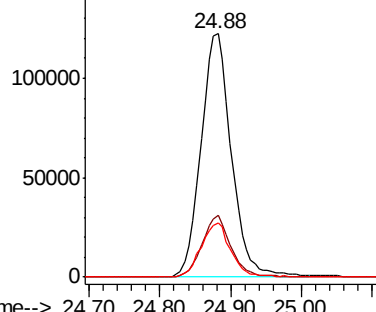


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 45.526 ng

RT: 23.87 min Scan# 3502

Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

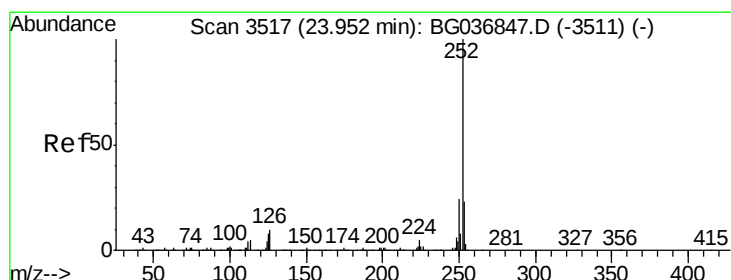
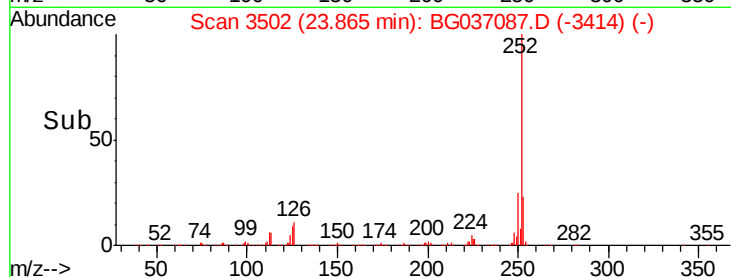
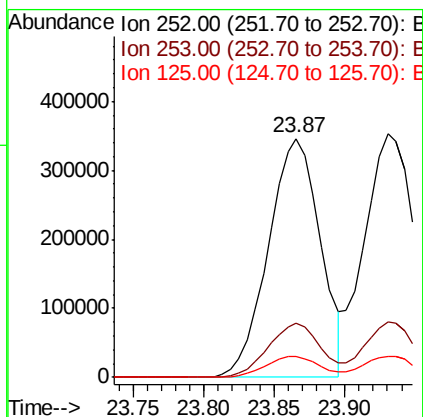
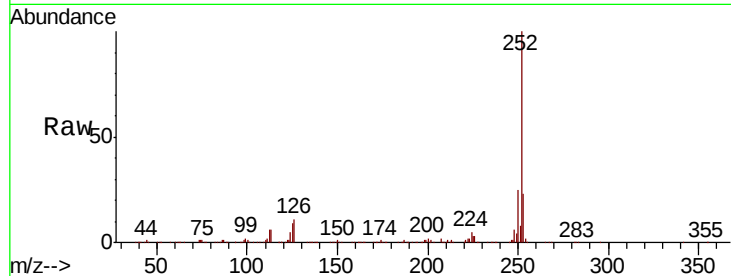
ClientSampleId :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 888297 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.8  | 17.1  | 25.7   |
| 125       | 9.0   | 6.6   | 10.0   |

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#88

Benzo(k)fluoranthene

Concen: 46.854 ng

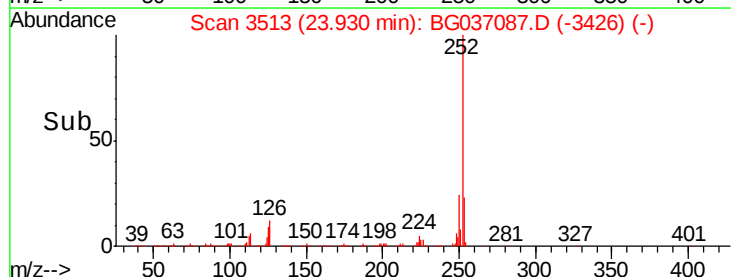
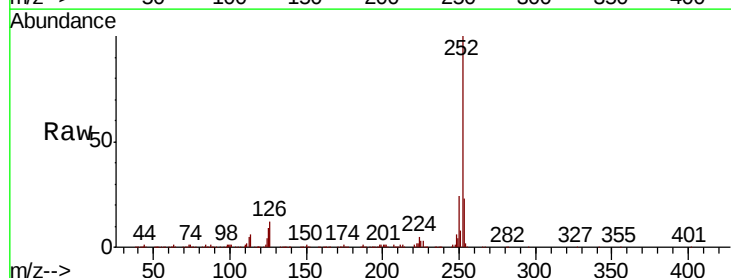
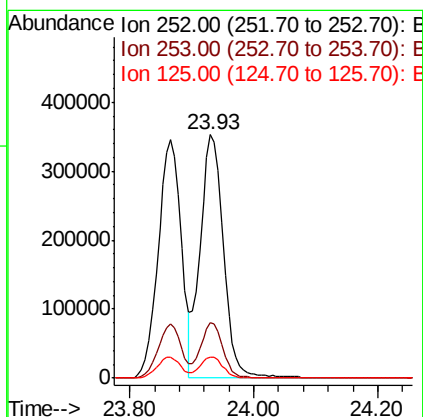
RT: 23.93 min Scan# 3513

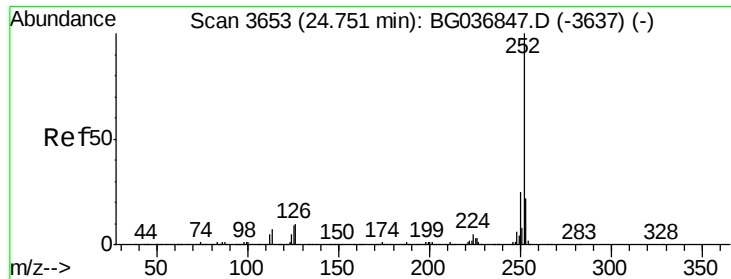
Delta R.T. -0.02 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 917180 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.7  | 18.0  | 27.0   |
| 125       | 8.8   | 7.0   | 10.6   |





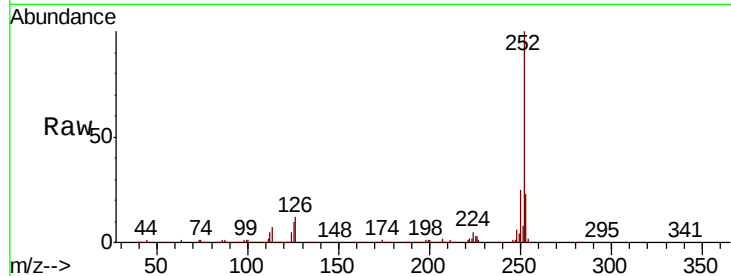
#89  
Benzo(a)pyrene  
Concen: 47.183 ng  
RT: 24.73 min Scan# 3649  
Delta R.T. -0.02 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

Instrument :  
BNA\_G  
ClientSampleId :  
HC-SOIL-1MSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 23.0  | 18.2  | 27.2  |
| 125     | 10.0  | 7.3   | 10.9  |

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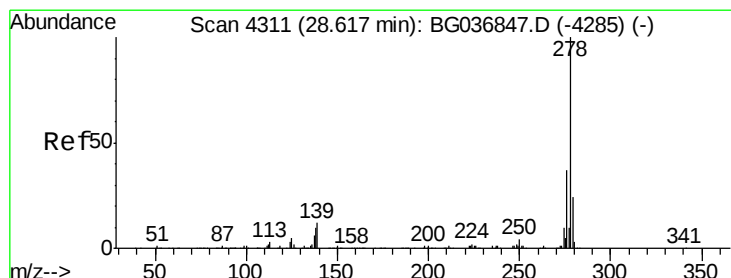
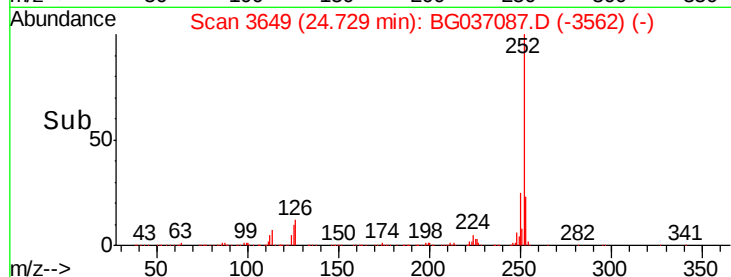
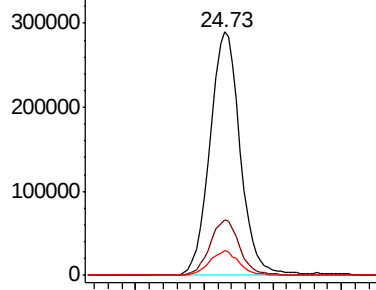


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90  
Dibenzo(a,h)anthracene  
Concen: 46.774 ng  
RT: 28.58 min Scan# 4305  
Delta R.T. -0.03 min  
Lab File: BG037087.D  
Acq: 1 Oct 2018 22:12

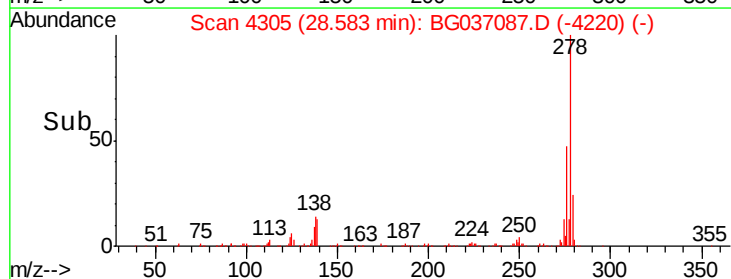
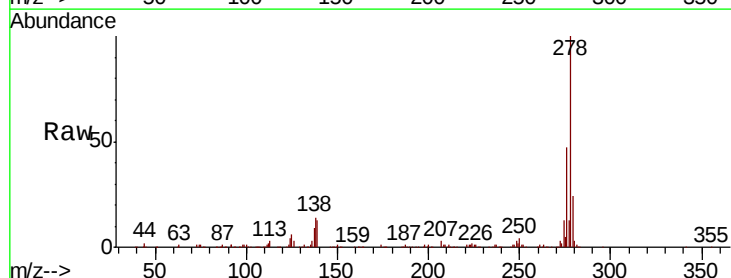
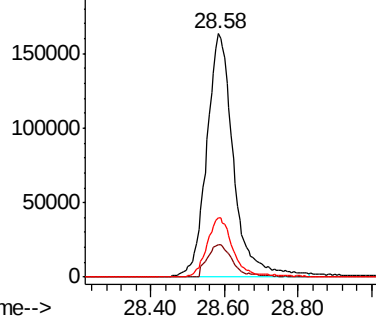
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 13.4  | 11.0  | 16.4  |
| 279     | 24.5  | 18.7  | 28.1  |

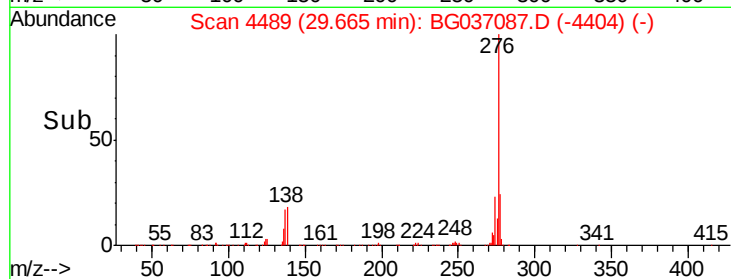
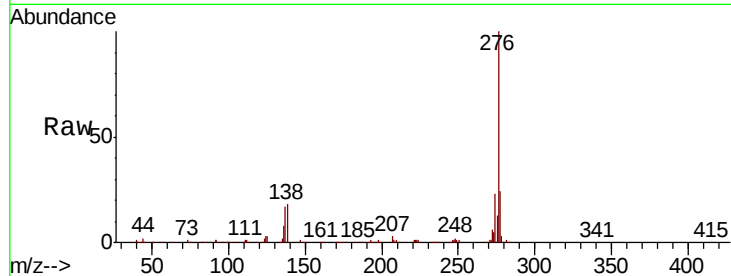
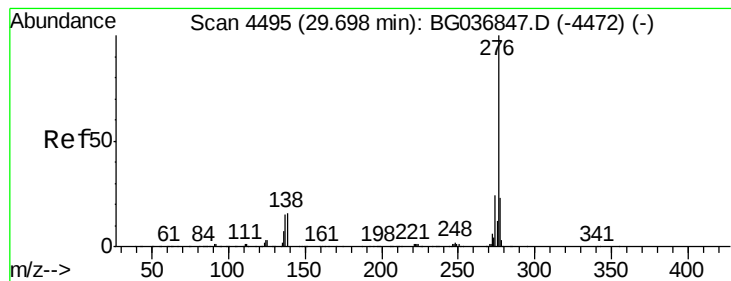
Abundance

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





#91

Benzo(a,h,i)perylene

Concen: 46.414 ng

RT: 29.66 min Scan# 4489

Delta R.T. -0.03 min

Lab File: BG037087.D

Acq: 1 Oct 2018 22:12

Instrument :

BNA\_G

ClientSampleId :

HC-SOIL-1MSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 276   | Resp: | 823522 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.7  | 18.4  | 27.6   |
| 138       | 17.9  | 14.6  | 22.0   |

Manual Integrations  
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