

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG122818\  
 Data File : BG038881.D  
 Acq On : 28 Dec 2018 19:50  
 Operator : JU/SJ  
 Sample : J6193-12MSD  
 Misc :  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

Manual Integrations  
 APPROVED

Sohil  
 1/2/2019 3:30:31 PM

Quant Time: Dec 30 22:21:31 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 23507    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.87 | 136  | 100845   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.70 | 164  | 76912    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.44 | 188  | 192921   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.72 | 240  | 192639   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.02 | 264  | 209739   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 198768 | 149.97 | ng | 0.01 |
| 7) Phenol-d6             | 7.22  | 99  | 261949 | 143.97 | ng | 0.02 |
| 23) Nitrobenzene-d5      | 9.23  | 82  | 188160 | 95.32  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 193579 | 182.62 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.32 | 172 | 532877 | 95.05  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.04 | 244 | 997006 | 112.64 | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88  | 19252  | 31.211 | ng | # 1    |
| 3) Pyridine                    | 3.91  | 79  | 51043  | 30.056 | ng | 99     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 35137  | 42.226 | ng | 95     |
| 6) Aniline                     | 7.39  | 93  | 24977  | 10.754 | ng | 96     |
| 8) 2-Chlorophenol              | 7.62  | 128 | 85434  | 55.703 | ng | 93     |
| 9) Benzaldehyde                | 7.20  | 77  | 45157  | 38.259 | ng | 96     |
| 10) Phenol                     | 7.25  | 94  | 89727  | 46.419 | ng | 100    |
| 11) bis(2-Chloroethyl)ether    | 7.48  | 93  | 67686  | 43.982 | ng | 94     |
| 12) 1,3-Dichlorobenzene        | 7.94  | 146 | 81180  | 44.766 | ng | 98     |
| 13) 1,4-Dichlorobenzene        | 8.09  | 146 | 85541  | 46.057 | ng | 96     |
| 14) 1,2-Dichlorobenzene        | 8.41  | 146 | 80823  | 46.160 | ng | 97     |
| 15) Benzyl Alcohol             | 8.30  | 79  | 81176  | 57.160 | ng | 98     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 136108 | 38.608 | ng | 97     |
| 17) 2-Methylphenol             | 8.50  | 107 | 74747  | 57.717 | ng | 98     |
| 18) Hexachloroethane           | 9.13  | 117 | 29113  | 42.897 | ng | 90     |
| 19) n-Nitroso-di-n-propylamine | 8.86  | 70  | 60568  | 47.397 | ng | 92     |
| 20) 3+4-Methylphenols          | 8.83  | 107 | 102556 | 57.340 | ng | 96     |
| 22) Acetophenone               | 8.89  | 105 | 123596 | 49.067 | ng | # 95   |
| 24) Nitrobenzene               | 9.28  | 77  | 94320  | 47.232 | ng | 94     |
| 25) Isophorone                 | 9.79  | 82  | 177729 | 50.112 | ng | # 96   |
| 26) 2-Nitrophenol              | 9.99  | 139 | 51128  | 50.024 | ng | 92     |
| 27) 2,4-Dimethylphenol         | 10.04 | 122 | 92690  | 63.279 | ng | 97     |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93  | 101500 | 50.712 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.53 | 162 | 108318 | 66.470 | ng | 97     |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 99957  | 50.782 | ng | 94     |
| 31) Naphthalene                | 10.93 | 128 | 270172 | 54.375 | ng | 99     |
| 32) Benzoic acid               | 10.20 | 122 | 42537  | 46.202 | ng | 89     |
| 33) 4-Chloroaniline            | 11.05 | 127 | 6447   | 2.989  | ng | 93     |
| 34) Hexachlorobutadiene        | 11.18 | 225 | 66034  | 49.579 | ng | 99     |
| 35) Caprolactam                | 11.84 | 113 | 23841m | 35.352 | ng |        |
| 36) 4-Chloro-3-methylphenol    | 12.16 | 107 | 114449 | 61.545 | ng | 91     |
| 37) 2-Methylnaphthalene        | 12.52 | 142 | 213371 | 60.193 | ng | 98     |
| 38) 1-Methylnaphthalene        | 12.75 | 142 | 207105 | 60.209 | ng | 99     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 133848 | 46.557 | ng | 99     |

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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.85 | 237  | 110453   | 69.930 | nq    | 95       |
| 43) 2,4,6-Trichlorophenol      | 13.13 | 196  | 102924   | 58.225 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.21 | 196  | 111907   | 59.793 | nq    | 96       |
| 46) 1,1'-Biphenyl              | 13.53 | 154  | 296668   | 46.011 | nq    | 98       |
| 47) 2-Chloronaphthalene        | 13.58 | 162  | 241283   | 48.445 | nq    | 98       |
| 48) 2-Nitroaniline             | 13.79 | 65   | 77791    | 49.036 | nq    | 88       |
| 49) Acenaphthylene             | 14.42 | 152  | 397172   | 53.343 | nq    | 98       |
| 50) Dimethylphthalate          | 14.15 | 163  | 329944   | 52.531 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.28 | 165  | 75602    | 53.115 | nq    | 91       |
| 52) Acenaphthene               | 14.76 | 154  | 229784   | 51.611 | nq    | 97       |
| 53) 3-Nitroaniline             | 14.62 | 138  | 15510    | 10.690 | nq    | 95       |
| 54) 2,4-Dinitrophenol          | 14.83 | 184  | 27214    | 35.234 | nq    | 96       |
| 55) Dibenzofuran               | 15.09 | 168  | 397961   | 52.145 | nq    | 97       |
| 56) 4-Nitrophenol              | 14.93 | 139  | 90002    | 81.766 | nq    | 96       |
| 57) 2,4-Dinitrotoluene         | 15.07 | 165  | 105228   | 52.490 | nq    | 93       |
| 58) Fluorene                   | 15.74 | 166  | 319881   | 56.573 | nq    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.32 | 232  | 102670   | 60.973 | nq    | 96       |
| 60) Diethylphthalate           | 15.50 | 149  | 336572   | 48.814 | nq    | 98       |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204  | 184041   | 52.167 | nq    | 99       |
| 62) 4-Nitroaniline             | 15.78 | 138  | 71461    | 47.839 | nq    | 98       |
| 63) Azobenzene                 | 16.02 | 77   | 268971   | 46.696 | nq    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198  | 36851    | 26.777 | nq    | 82       |
| 66) n-Nitrosodiphenylamine     | 15.95 | 169  | 295449   | 52.122 | nq    | 96       |
| 67) 4-Bromophenyl-phenylether  | 16.62 | 248  | 123600   | 52.459 | nq    | 97       |
| 68) Hexachlorobenzene          | 16.74 | 284  | 131673   | 53.912 | nq    | 95       |
| 69) Atrazine                   | 16.89 | 200  | 118849   | 56.497 | nq    | 99       |
| 70) Pentachlorophenol          | 17.09 | 266  | 97313    | 67.362 | nq    | 94       |
| 71) Phenanthrene               | 17.49 | 178  | 544500   | 54.427 | nq    | 99       |
| 72) Anthracene                 | 17.58 | 178  | 554369   | 56.131 | nq    | 100      |
| 73) Carbazole                  | 17.85 | 167  | 478473   | 48.987 | nq    | 100      |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 552798   | 49.323 | nq    | 99       |
| 75) Fluoranthene               | 19.49 | 202  | 656913   | 53.071 | nq    | 97       |
| 77) Benzidine                  | 19.68 | 184  | 90032    | 15.803 | nq    | 99       |
| 78) Pyrene                     | 19.86 | 202  | 660663   | 51.913 | nq    | 100      |
| 80) Butylbenzylphthalate       | 20.73 | 149  | 249534   | 50.188 | nq    | 95       |
| 81) Benzo(a)anthracene         | 21.71 | 228  | 649853   | 55.361 | nq    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.62 | 252  | 77503    | 16.648 | nq    | 100      |
| 83) Chrysene                   | 21.77 | 228  | 605268   | 53.533 | nq    | 99       |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 350121   | 49.651 | nq    | 97       |
| 85) Di-n-octyl phthalate       | 22.79 | 149  | 595624   | 50.435 | nq    | 97       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.82 | 276  | 768746   | 57.833 | nq    | # 72     |
| 88) Benzo(b)fluoranthene       | 23.97 | 252  | 661039   | 57.404 | nq    | 98       |
| 89) Benzo(k)fluoranthene       | 24.04 | 252  | 633606   | 55.255 | nq    | 97       |
| 90) Benzo(a)pyrene             | 24.87 | 252  | 636097   | 57.257 | nq    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.88 | 278  | 634561   | 57.367 | nq    | 98       |
| 92) Benzo(g,h,i)perylene       | 30.01 | 276  | 631929   | 57.970 | nq    | 97       |

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





#1

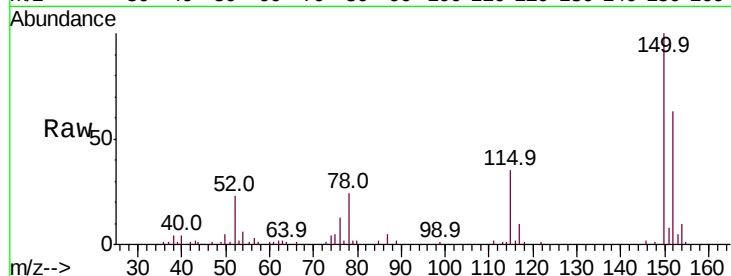
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 159.1 | 119.5 | 179.3 |
| 115     | 55.7  | 49.6  | 74.4  |

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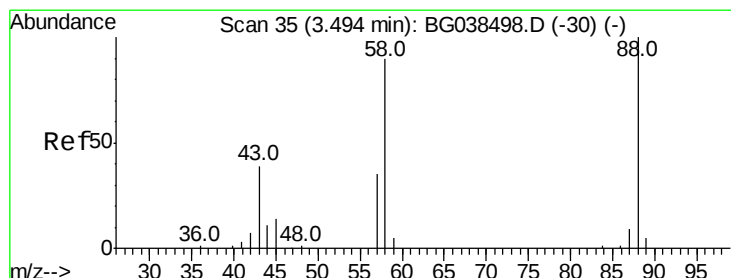
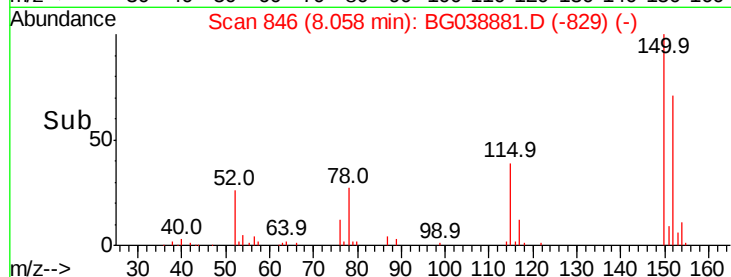
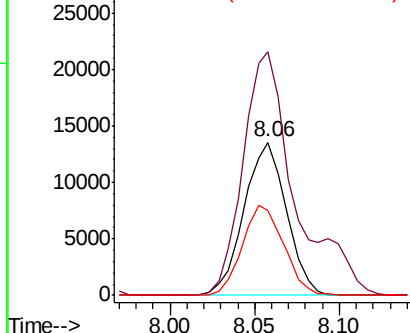


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

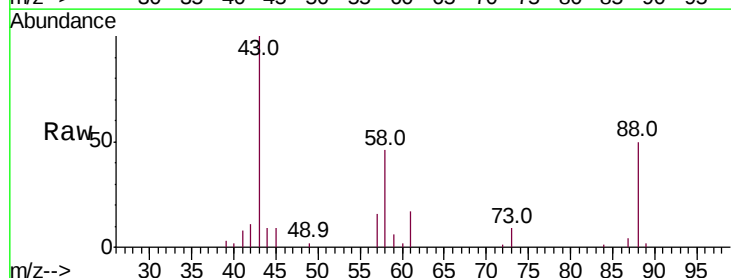
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 31.211 ng  
RT: 3.50 min Scan# 70  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 89.3  | 75.7  | 113.5 |
| 43      | 238.9 | 31.6  | 47.4# |

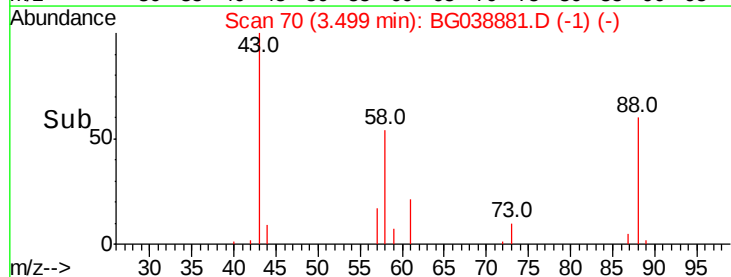
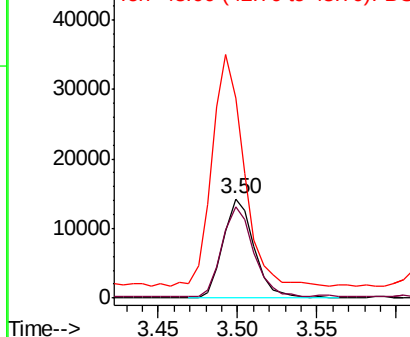


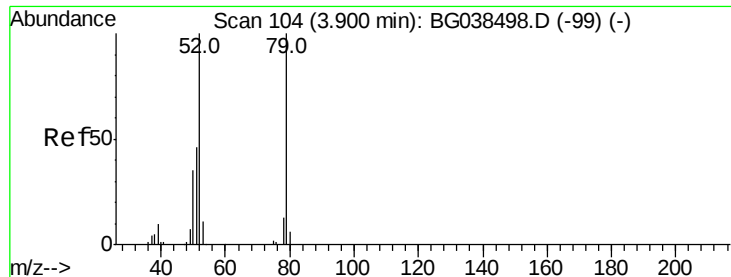
Abundance

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: 30.056 ng

RT: 3.91 min Scan# 140

Delta R.T. 0.01 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

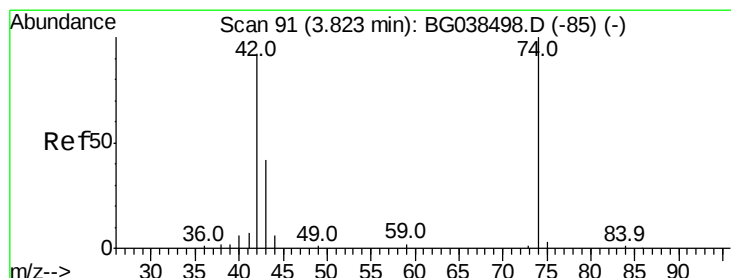
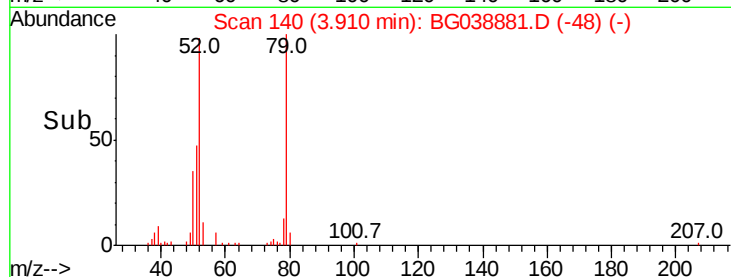
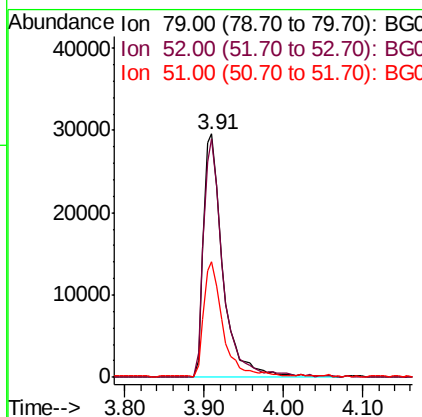
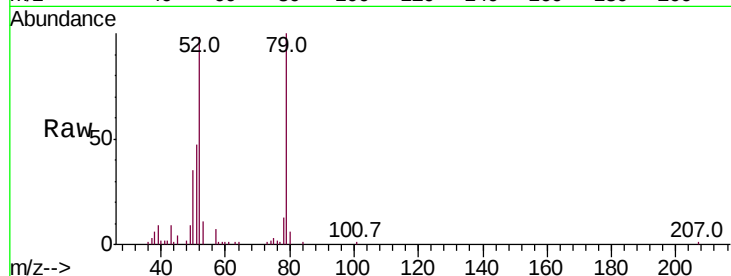
ClientSampleId :

CL-02-122718-AMSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 79    | Resp: | 51043 |
| Ion      | Ratio | Lower | Upper |
| 79       | 100   |       |       |
| 52       | 98.1  | 80.2  | 120.2 |
| 51       | 47.4  | 38.0  | 57.0  |

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#4

n-Nitrosodimethylamine

Concen: 42.226 ng

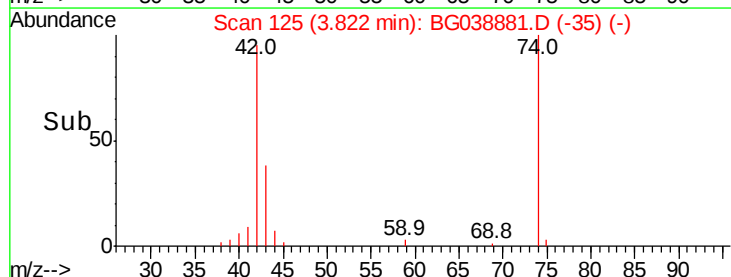
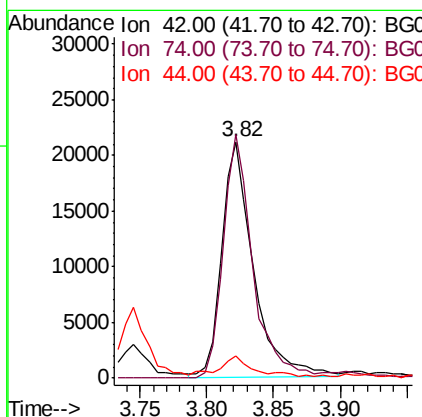
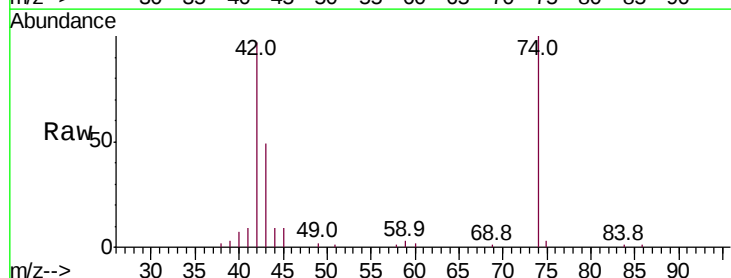
RT: 3.82 min Scan# 125

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 42    | Resp: | 35137 |
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 74       | 103.1 | 86.7  | 130.1 |
| 44       | 9.3   | 7.8   | 11.8  |





#5

2-Fluorophenol

Concen: 149.975 ng

RT: 5.61 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

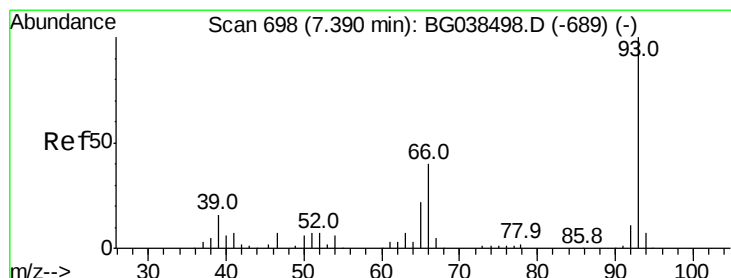
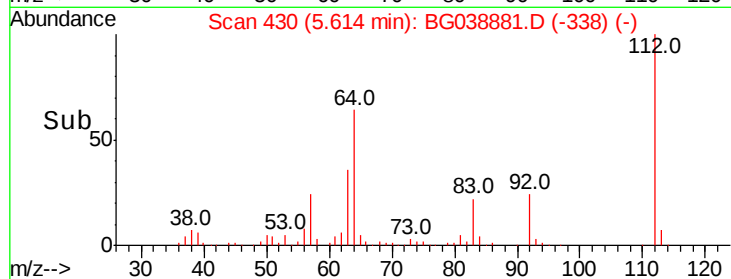
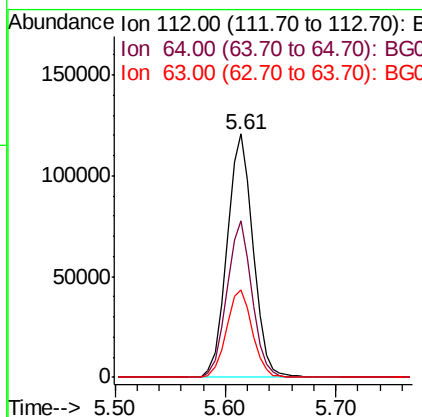
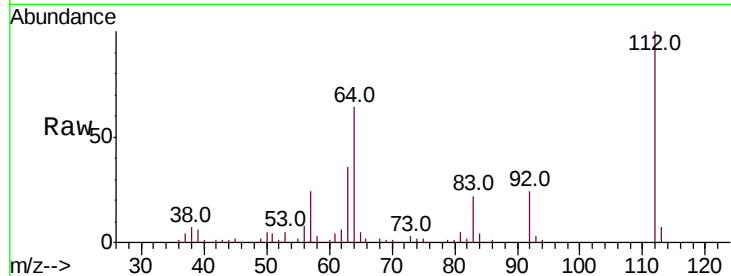
ClientSampleId :

CL-02-122718-AMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 198768 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 64.4  | 53.4  | 80.2   |
| 63        | 35.9  | 29.3  | 43.9   |

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#6

Aniline

Concen: 10.754 ng

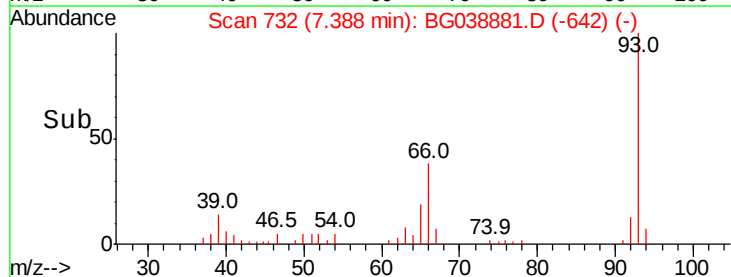
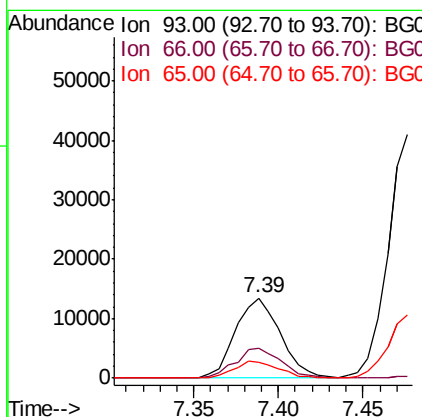
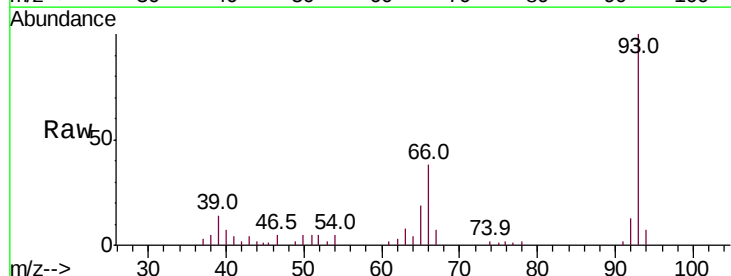
RT: 7.39 min Scan# 732

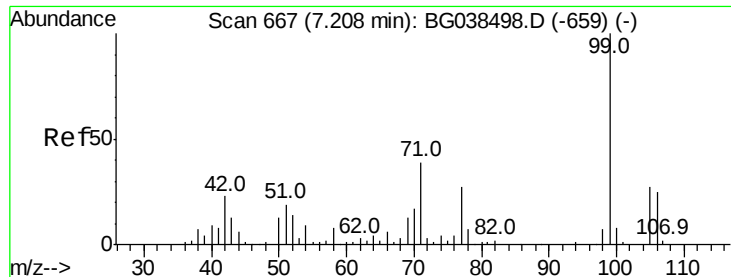
Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 24977 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 37.7  | 31.7  | 47.5  |
| 65        | 19.1  | 17.8  | 26.6  |





#7

Phenol-d6

Concen: 143.972 ng

RT: 7.22 min Scan# 704

Delta R.T. 0.02 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

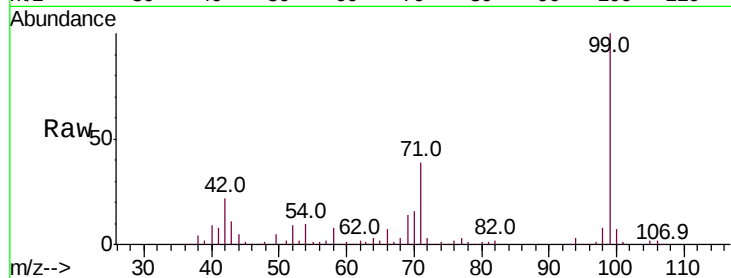
ClientSampleId :

CL-02-122718-AMSD

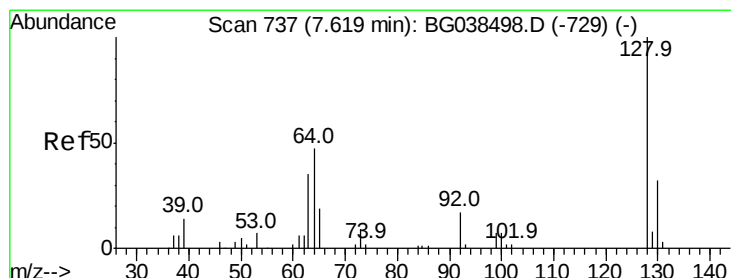
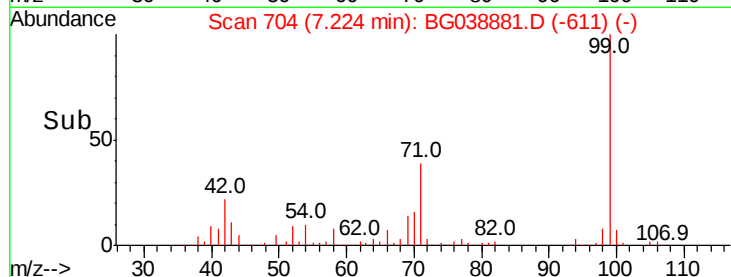
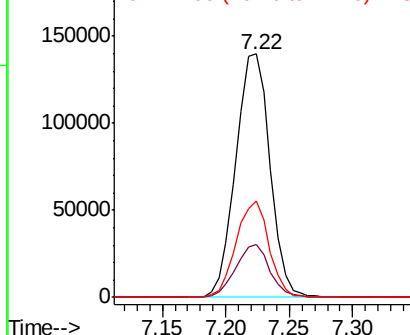
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 261949 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 21.6  | 18.5  | 27.7   |
| 71        | 39.4  | 31.1  | 46.7   |

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Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 55.703 ng

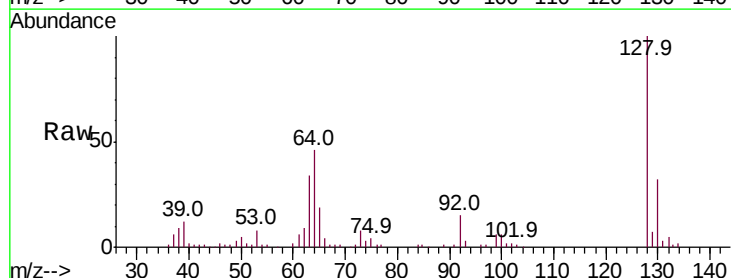
RT: 7.62 min Scan# 772

Delta R.T. 0.00 min

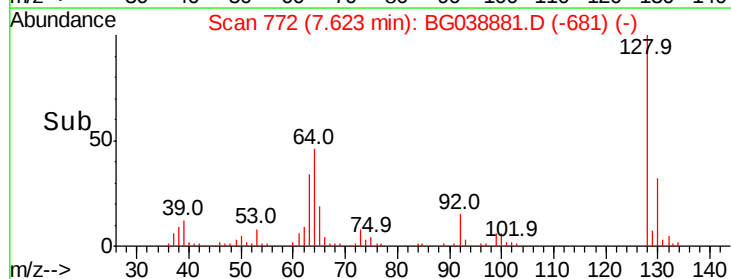
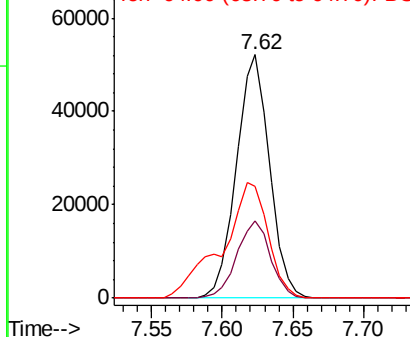
Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 85434 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 31.7  | 11.8  | 51.8  |
| 64        | 45.7  | 33.2  | 73.2  |



Abundance Ion 128.00 (127.70 to 128.70): E  
Ion 130.00 (129.70 to 130.70): E  
Ion 64.00 (63.70 to 64.70): BGC





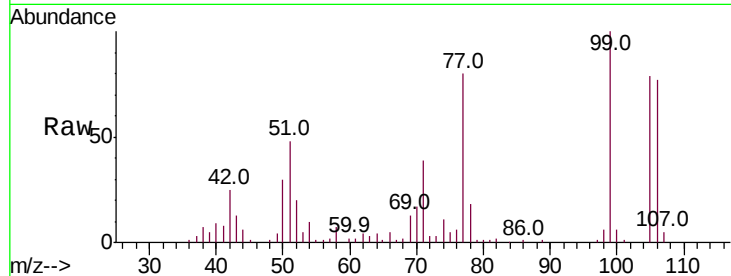
#9  
Benzaldehyde  
Concen: 38.259 ng  
RT: 7.20 min Scan# 700  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

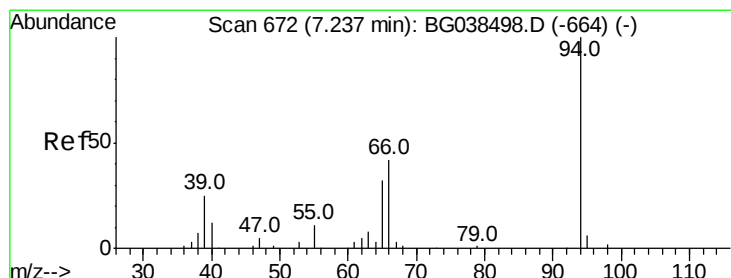
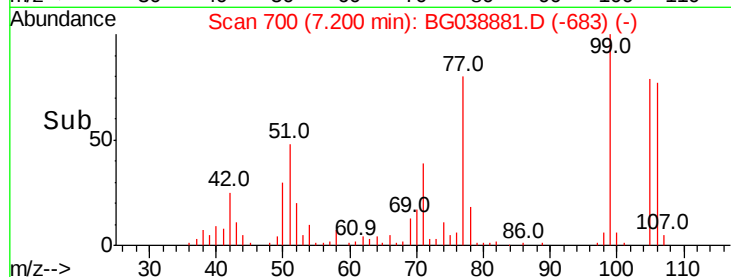
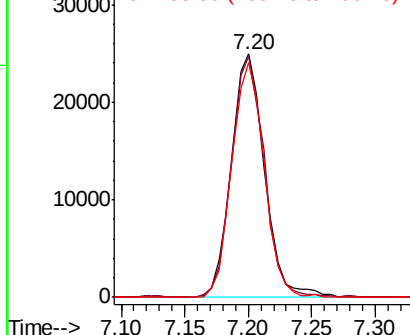
Tot Ion: 77 Resp: 45157  
Ion Ratio Lower Upper  
77 100  
105 98.9 74.0 114.0  
106 96.2 73.9 113.9

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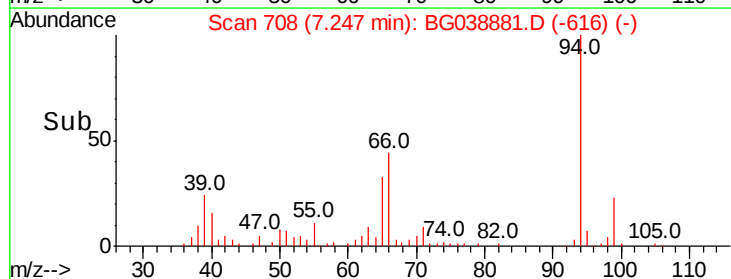
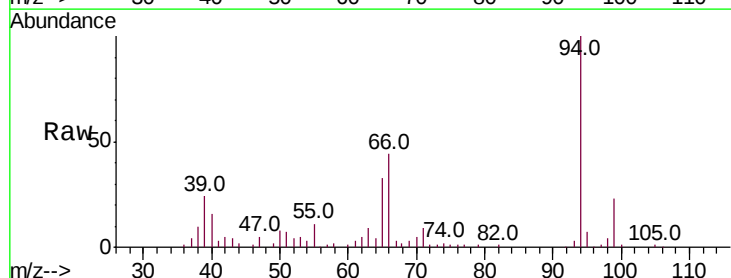
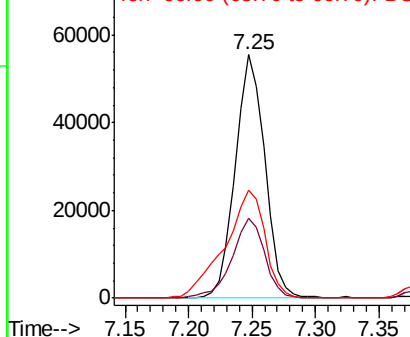
Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10  
Phenol  
Concen: 46.419 ng  
RT: 7.25 min Scan# 708  
Delta R.T. 0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Tgt Ion: 94 Resp: 89727  
Ion Ratio Lower Upper  
94 100  
65 32.7 12.6 52.6  
66 44.4 24.1 64.1

Abundance Ion 94.00 (93.70 to 94.70): BGC  
Ion 65.00 (64.70 to 65.70): BGC  
Ion 66.00 (65.70 to 66.70): BGC





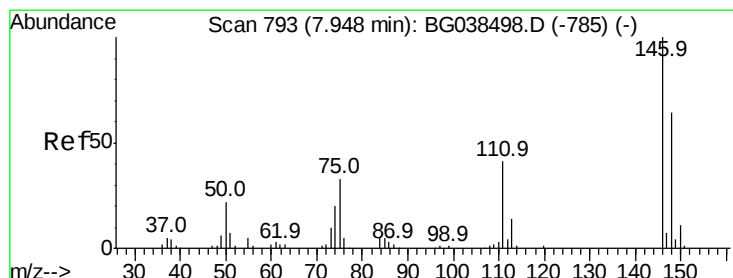
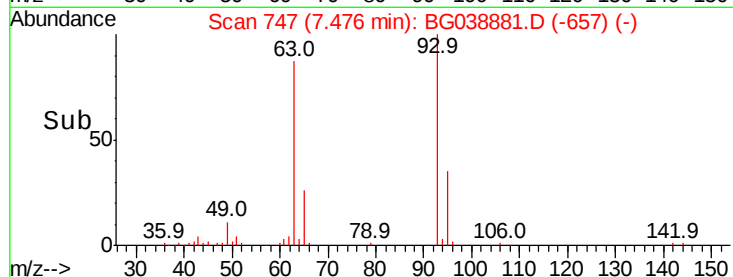
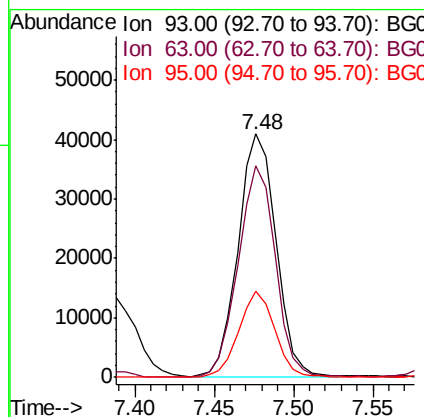
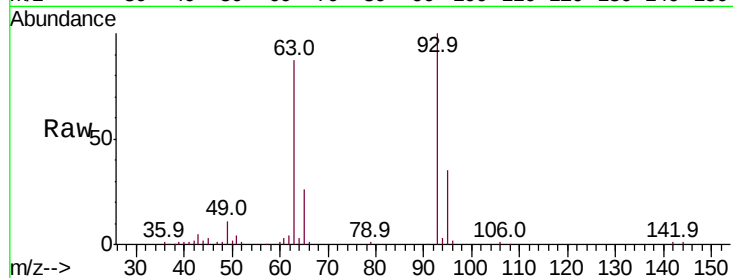
#11  
bis(2-Chloroethyl)ether  
Concen: 43.982 ng  
RT: 7.48 min Scan# 747  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 86.9  | 72.2  | 112.2 |
| 95      | 35.2  | 11.2  | 51.2  |

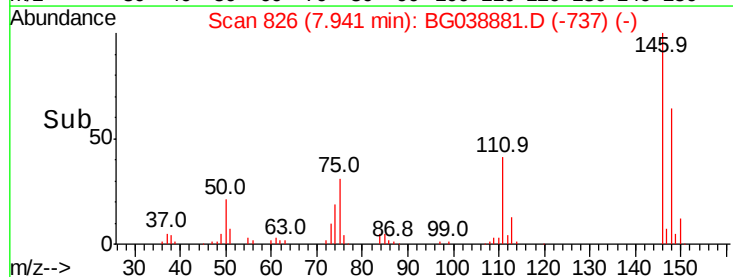
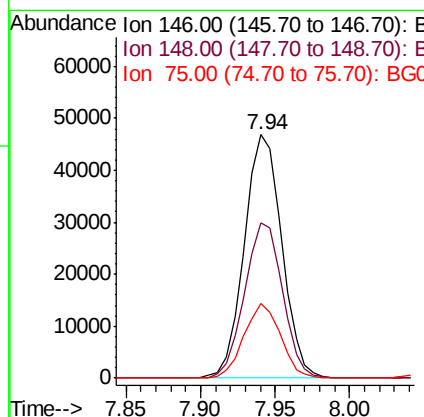
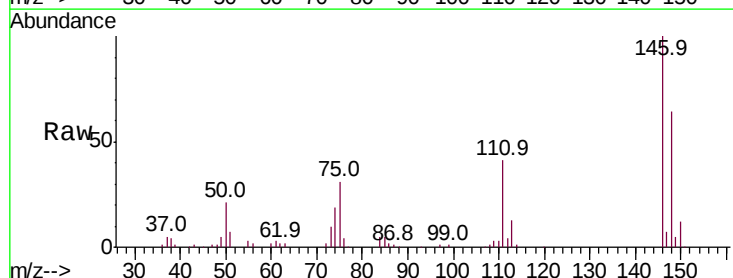
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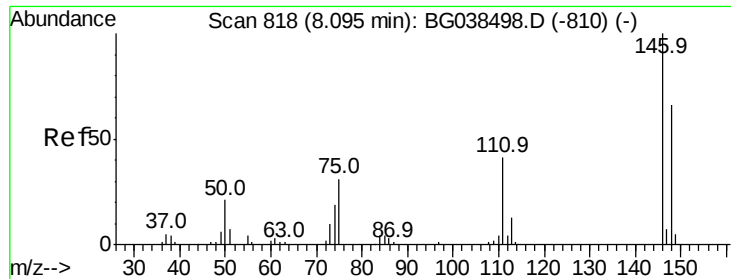
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#12  
1,3-Dichlorobenzene  
Concen: 44.766 ng  
RT: 7.94 min Scan# 826  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.7  | 51.4  | 77.0  |
| 75      | 30.7  | 26.1  | 39.1  |





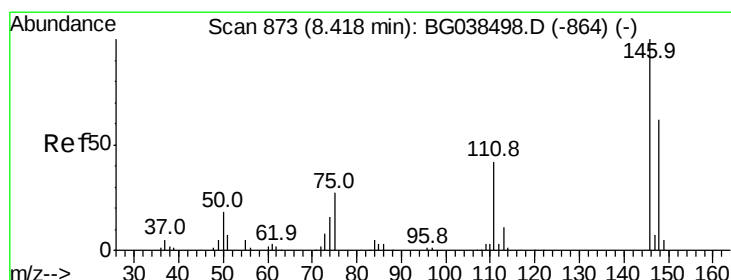
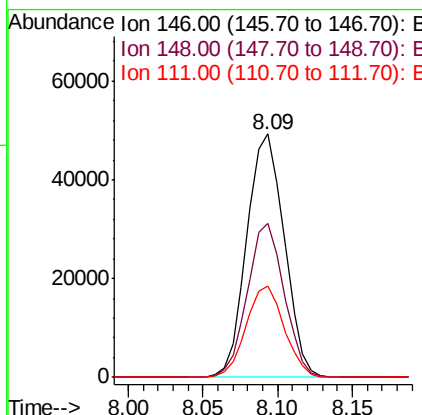
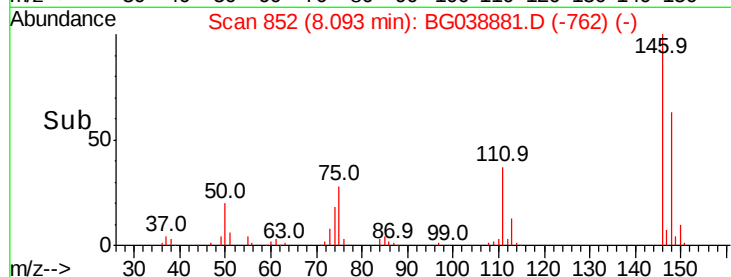
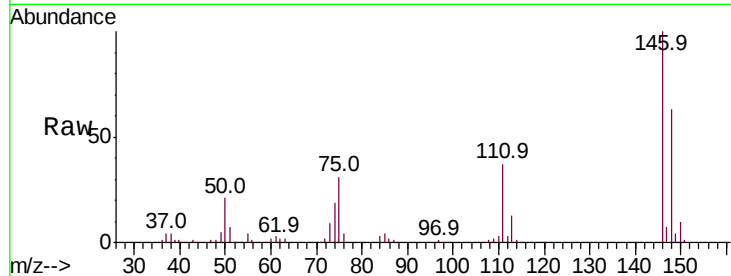
#13  
 1,4-Dichlorobenzene  
 Concen: 46.057 ng  
 RT: 8.09 min Scan# 852  
 Delta R.T. -0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.3  | 52.4  | 78.6  |
| 111     | 37.5  | 33.0  | 49.4  |

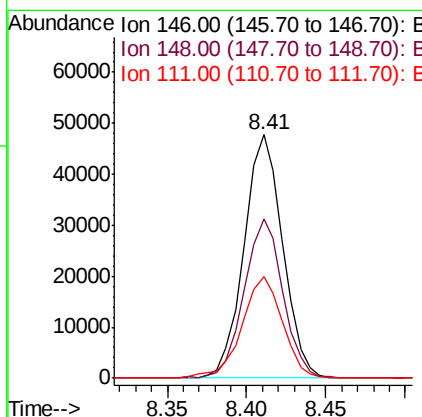
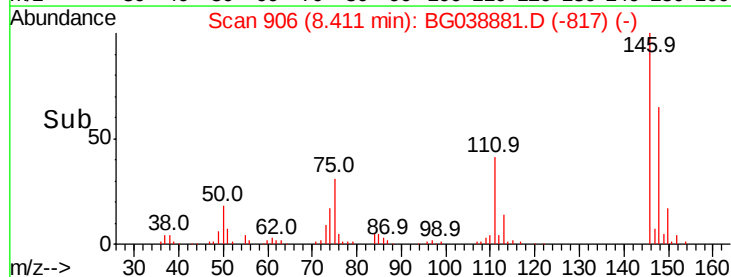
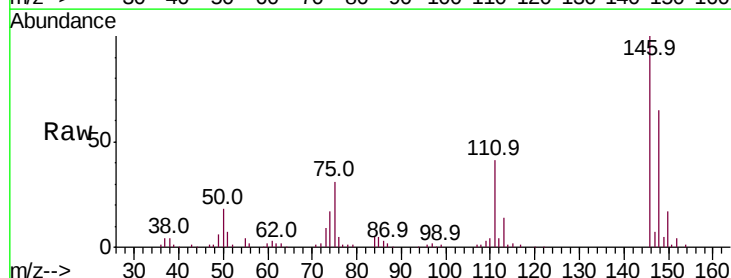
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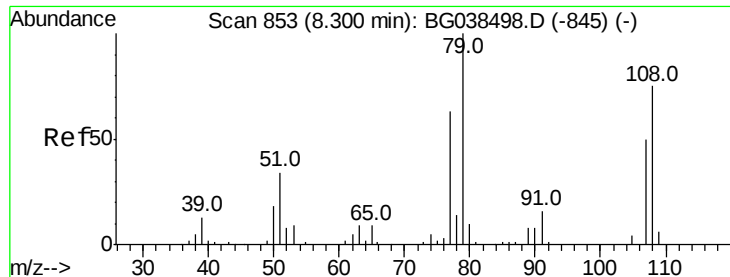
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#14  
 1,2-Dichlorobenzene  
 Concen: 46.160 ng  
 RT: 8.41 min Scan# 906  
 Delta R.T. -0.01 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.1  | 49.4  | 74.0  |
| 111     | 41.5  | 33.8  | 50.6  |





#15

Benzyl Alcohol

Concen: 57.160 ng

RT: 8.30 min Scan# 888

Delta R.T. 0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

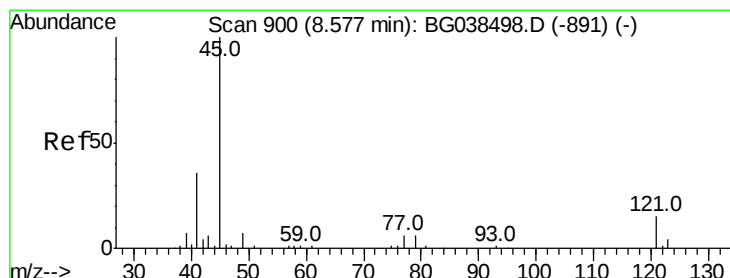
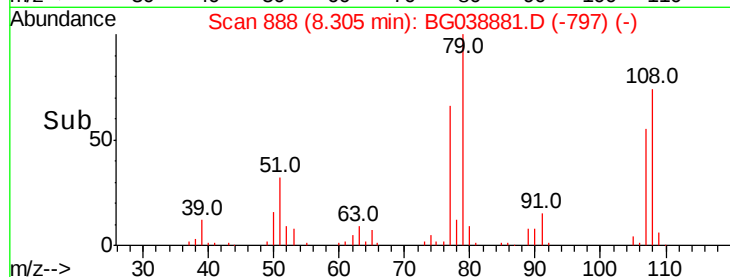
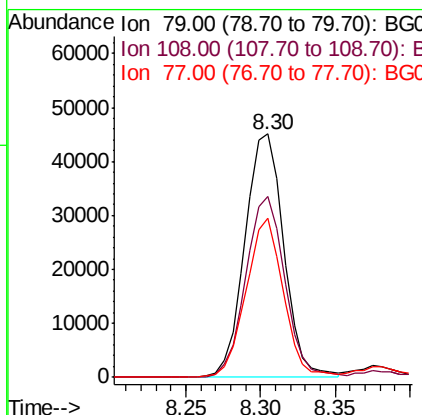
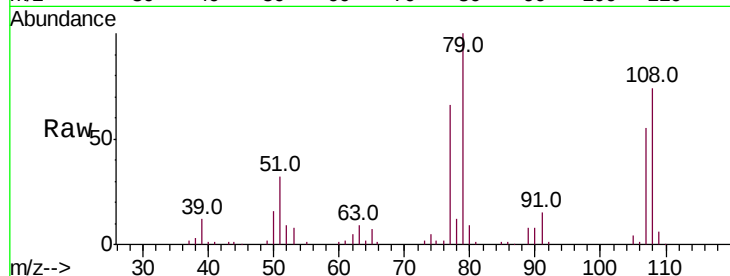
ClientSampleId :

CL-02-122718-AMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 81176 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 74.3  | 60.2  | 90.4  |
| 77        | 65.5  | 50.7  | 76.1  |

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 38.608 ng

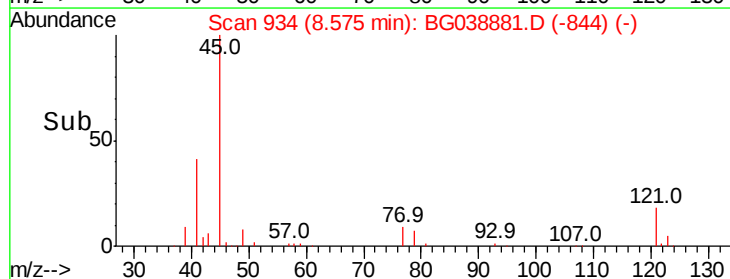
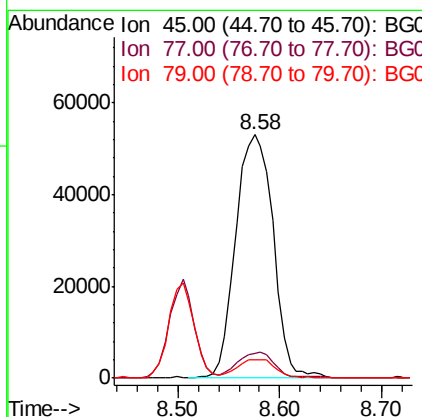
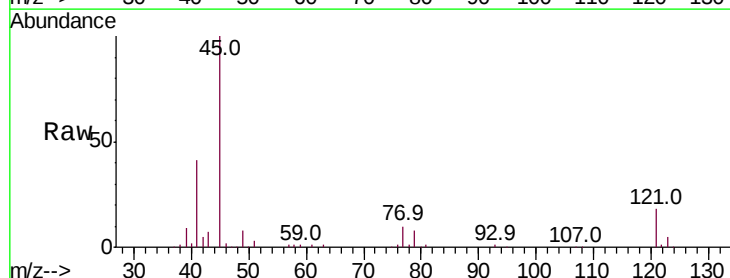
RT: 8.58 min Scan# 934

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 136108 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 10.0  | 0.0   | 28.2   |
| 79        | 7.7   | 0.0   | 27.2   |





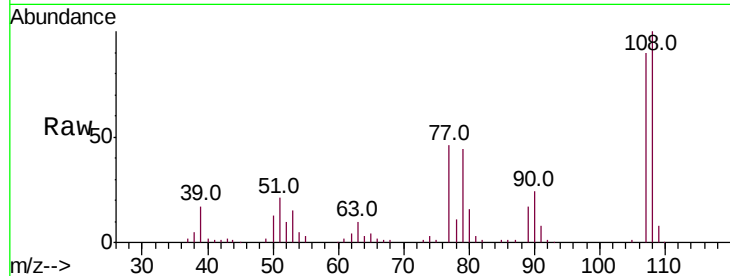
#17  
2-Methylphenol  
Concen: 57.717 ng  
RT: 8.50 min Scan# 922  
Delta R.T. 0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

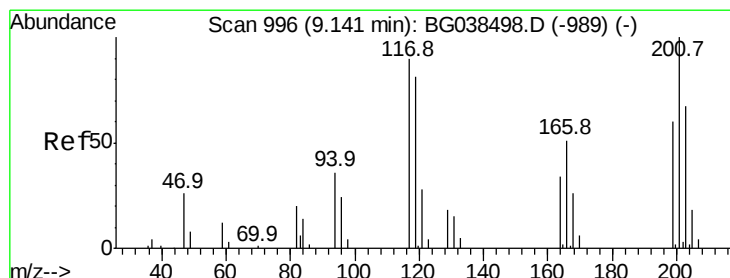
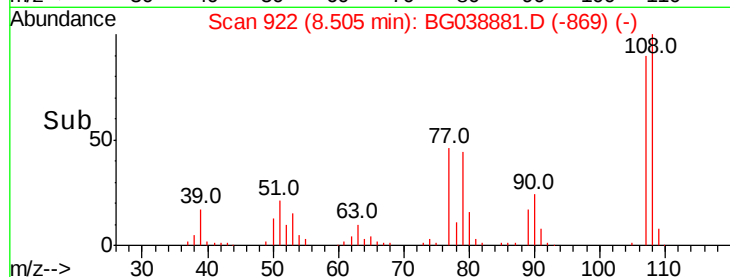
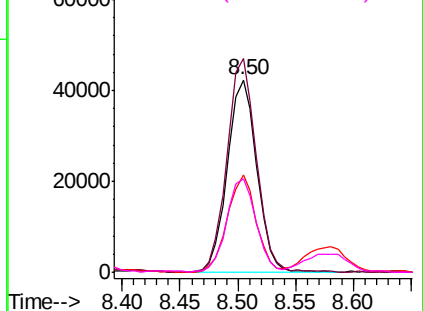
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 107   | Resp: | 74747 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 108       | 111.2 | 87.1  | 130.7 |
| 77        | 50.8  | 42.0  | 63.0  |
| 79        | 49.0  | 38.2  | 57.2  |

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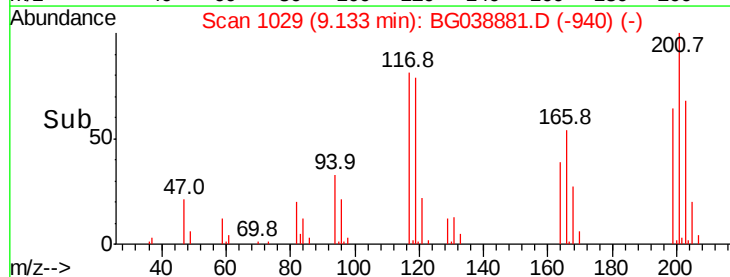
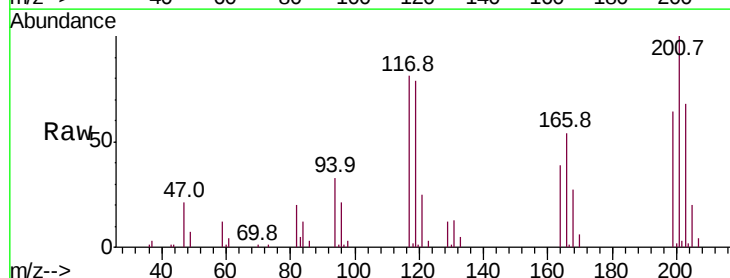
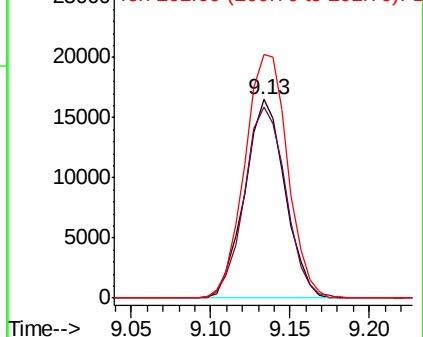
Abundance Ion 107.00 (106.70 to 107.70): E  
Ion 108.00 (107.70 to 108.70): E  
Ion 77.00 (76.70 to 77.70): BG  
Ion 79.00 (78.70 to 79.70): BG

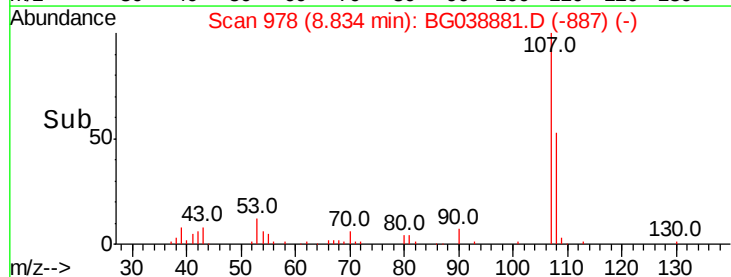
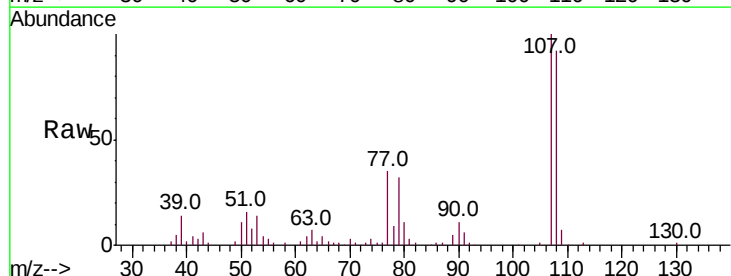
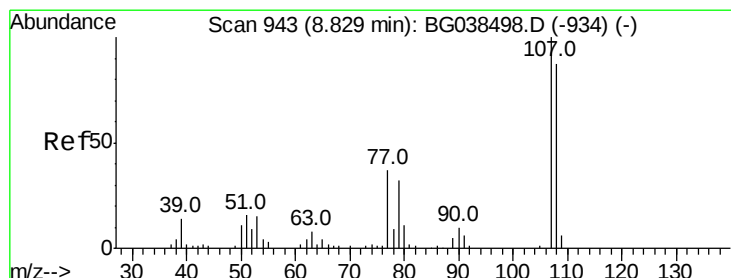
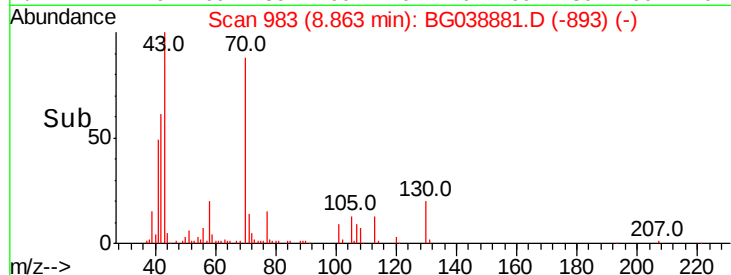
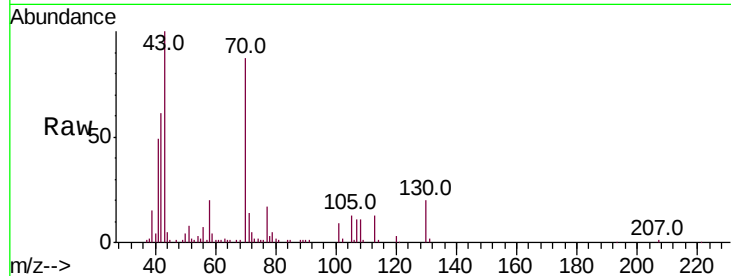
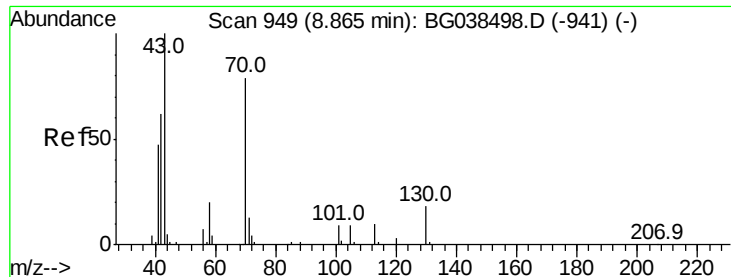


#18  
Hexachloroethane  
Concen: 42.897 ng  
RT: 9.13 min Scan# 1029  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 29113 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 119       | 96.7  | 73.8  | 110.8 |
| 201       | 126.4 | 89.4  | 134.0 |

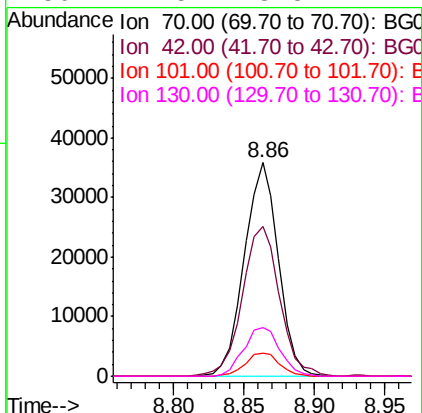
Abundance Ion 117.00 (116.70 to 117.70): E  
Ion 119.00 (118.70 to 119.70): E  
Ion 201.00 (200.70 to 201.70): E





#19  
n-Nitroso-di-n-propylamine  
Concen: 47.397 ng  
RT: 8.86 min Scan# 983  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 69.9 | 63.6  | 95.4  |       |
| 101     | 10.7 | 9.2   | 13.8  |       |
| 130     | 22.5 | 18.5  | 27.7  |       |



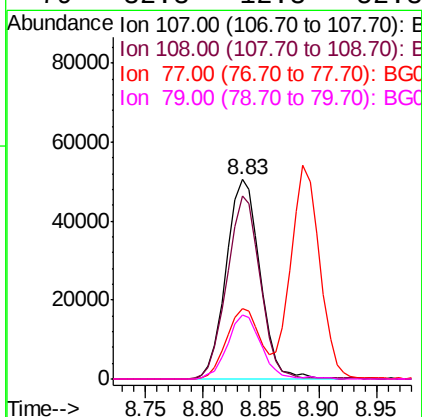
Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

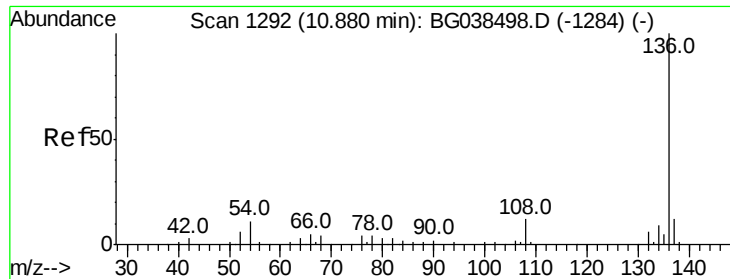
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#20  
3+4-Methylphenols  
Concen: 57.340 ng  
RT: 8.83 min Scan# 978  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 91.9 | 66.7  | 106.7 |       |
| 77      | 35.3 | 17.3  | 57.3  |       |
| 79      | 32.3 | 12.3  | 52.3  |       |





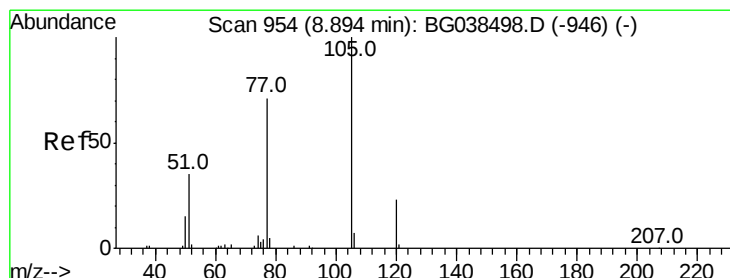
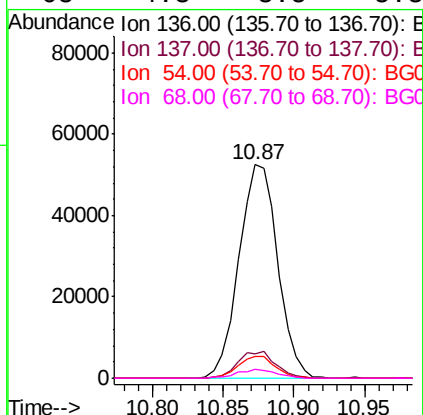
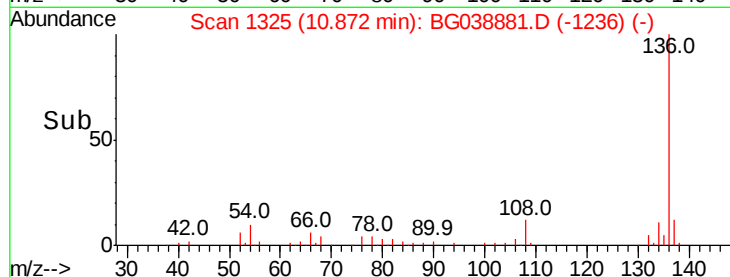
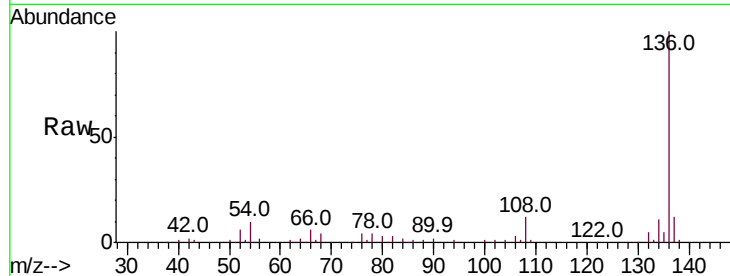
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 100845 |       |       |
| 137     | 11.6  |        | 9.3   | 13.9  |
| 54      | 10.3  |        | 8.5   | 12.7  |
| 68      | 4.3   |        | 3.5   | 5.3   |

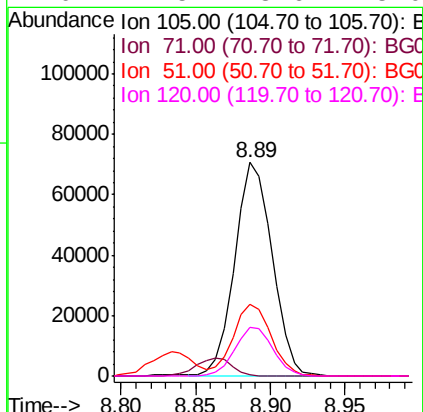
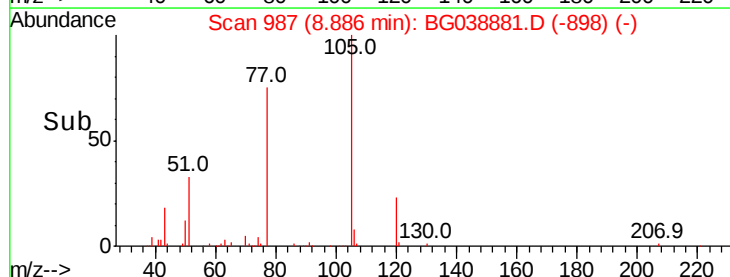
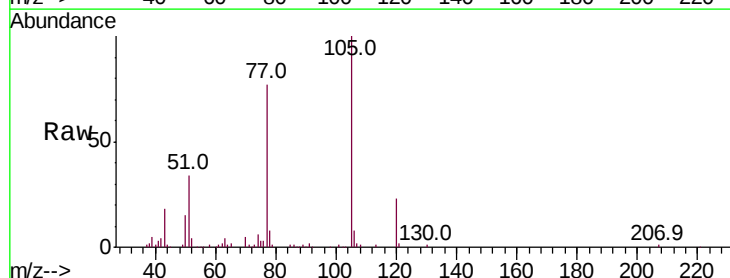
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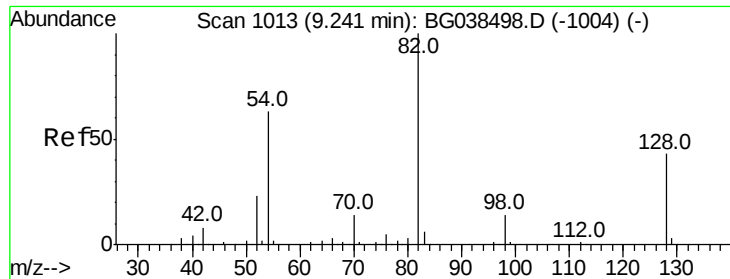
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#22  
Acetophenone  
Concen: 49.067 ng  
RT: 8.89 min Scan# 987  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 123596 |       |       |
| 71      | 0.9   |        | 0.4   | 0.6#  |
| 51      | 33.5  |        | 30.6  | 46.0  |
| 120     | 22.5  |        | 18.6  | 28.0  |





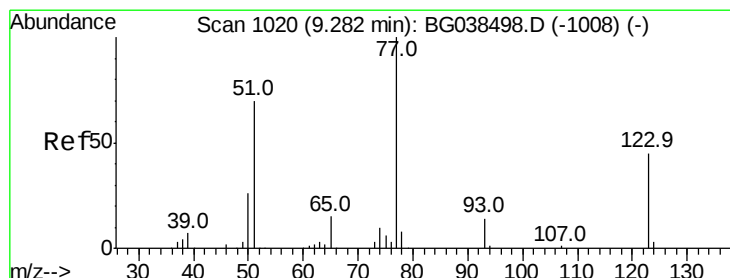
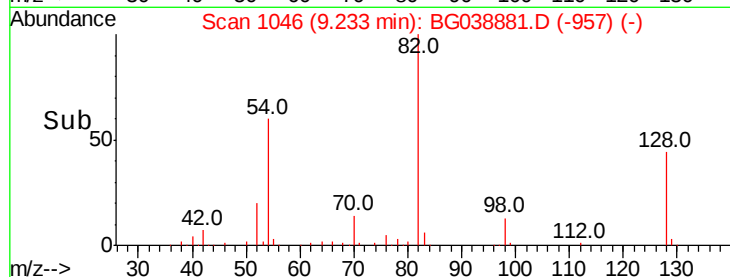
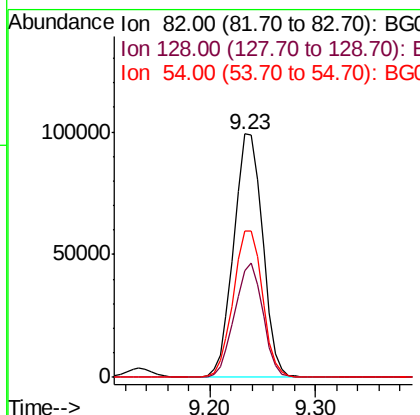
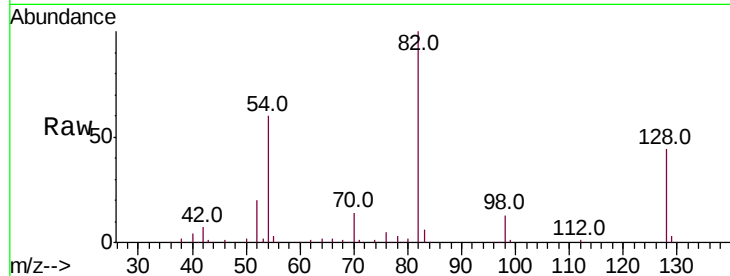
#23  
Nitrobenzene-d5  
Concen: 95.320 ng  
RT: 9.23 min Scan# 1046  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 43.7  | 34.6  | 52.0  |
| 54      | 60.0  | 50.6  | 76.0  |

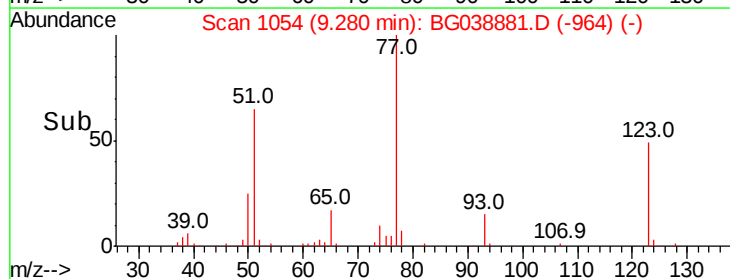
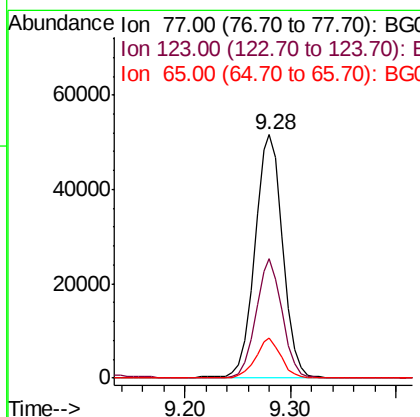
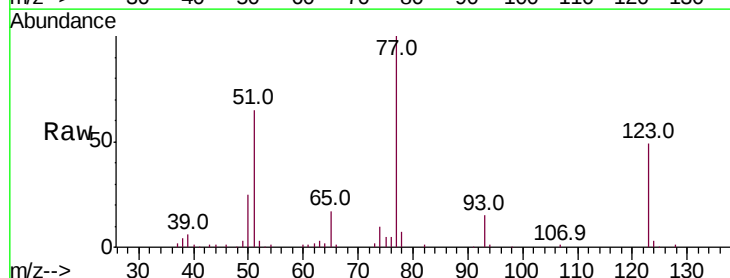
Manual Integrations  
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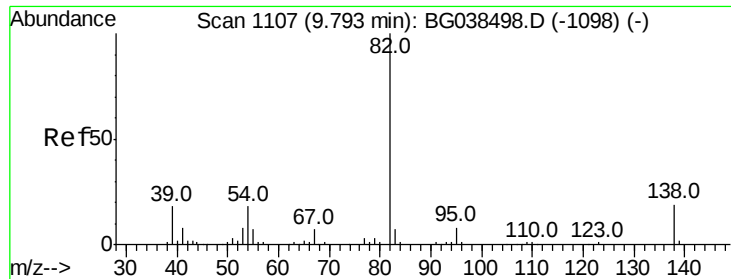
Sohil  
1/2/2019 3:30:31 PM



#24  
Nitrobenzene  
Concen: 47.232 ng  
RT: 9.28 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 49.3  | 35.9  | 53.9  |
| 65      | 16.6  | 12.0  | 18.0  |





#25

Isophorone

Concen: 50.112 ng

RT: 9.79 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

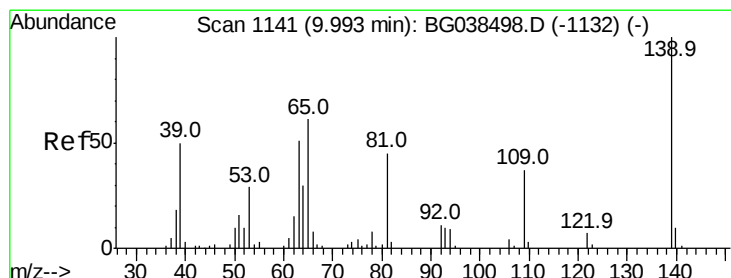
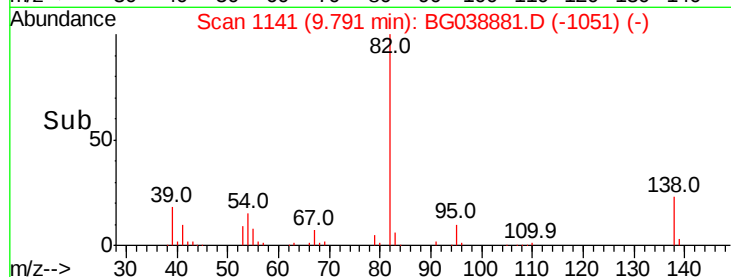
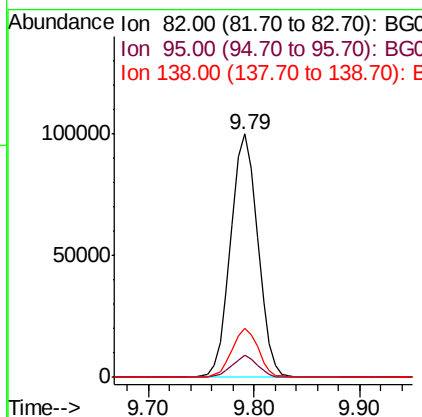
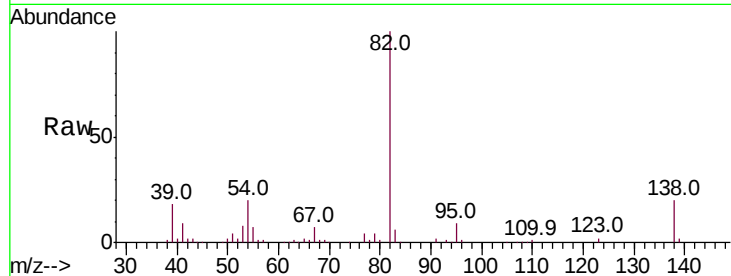
ClientSampleId :

CL-02-122718-AMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 177729 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 9.4   | 6.1   | 9.1#   |
| 138       | 20.4  | 14.9  | 22.3   |

Manual Integrations  
APPROVED

Sohil  
1/2/2019 3:30:31 PM



#26

2-Nitrophenol

Concen: 50.024 ng

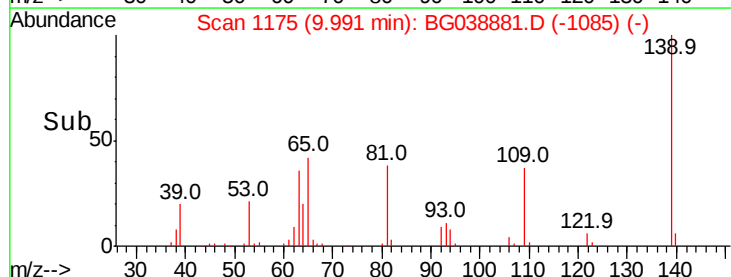
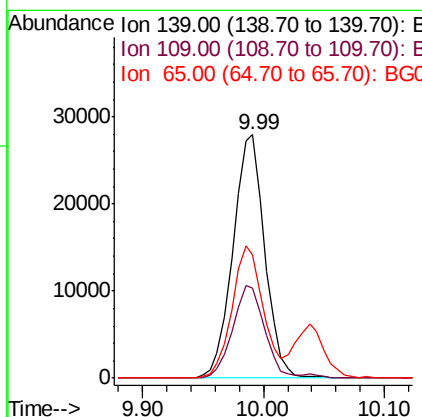
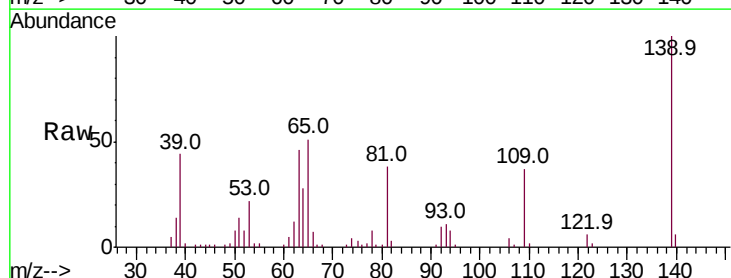
RT: 9.99 min Scan# 1175

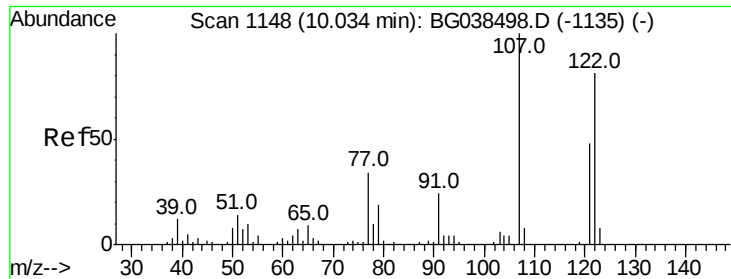
Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 51128 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 37.0  | 29.5  | 44.3  |
| 65        | 50.9  | 48.5  | 72.7  |





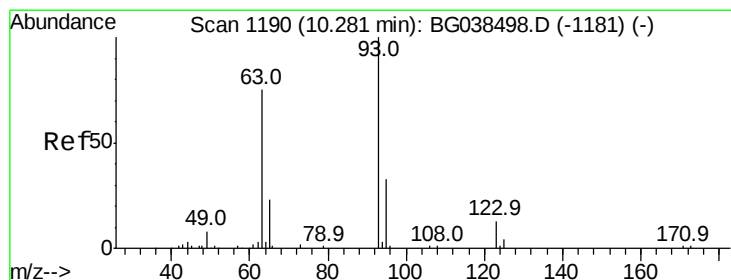
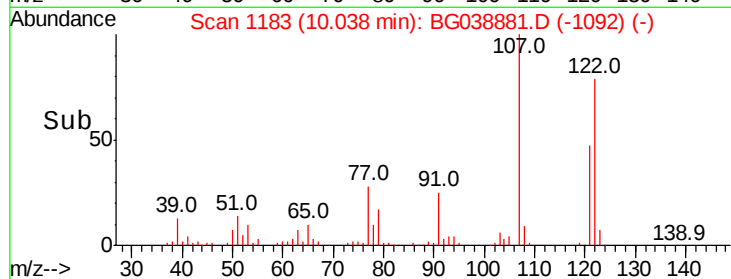
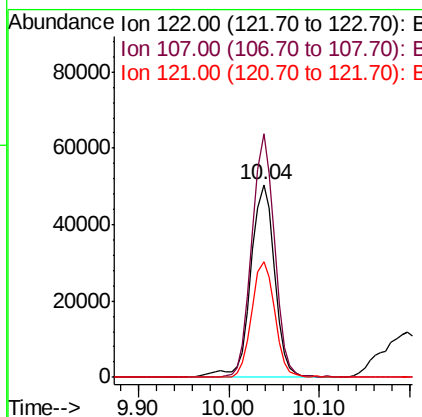
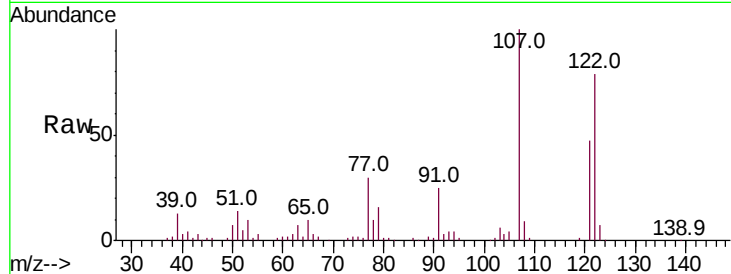
#27  
2,4-Dimethylphenol  
Concen: 63.279 ng  
RT: 10.04 min Scan# 1183  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 126.6 | 98.4  | 147.6 |
| 121     | 59.9  | 47.2  | 70.8  |

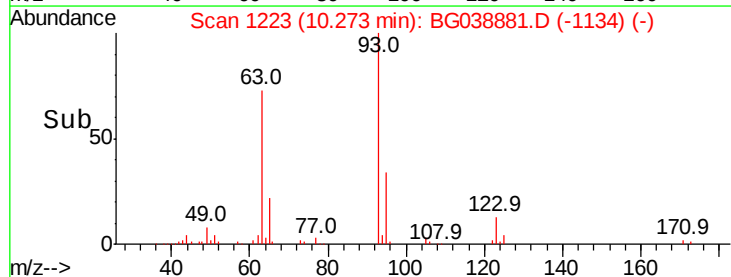
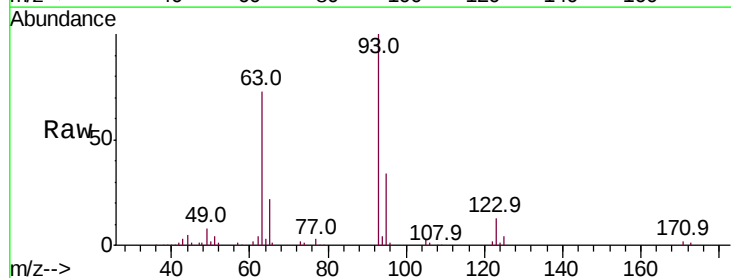
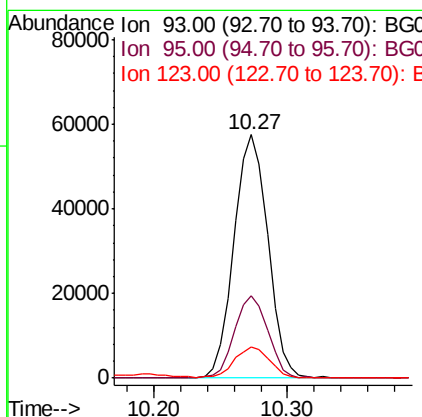
Manual Integrations  
APPROVED

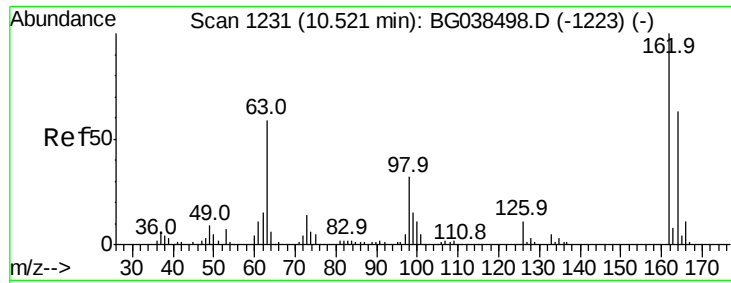
Sohil  
1/2/2019 3:30:31 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 50.712 ng  
RT: 10.27 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.8  | 26.6  | 40.0  |
| 123     | 12.7  | 10.6  | 16.0  |





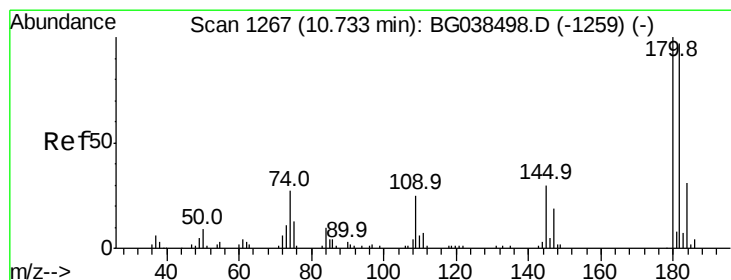
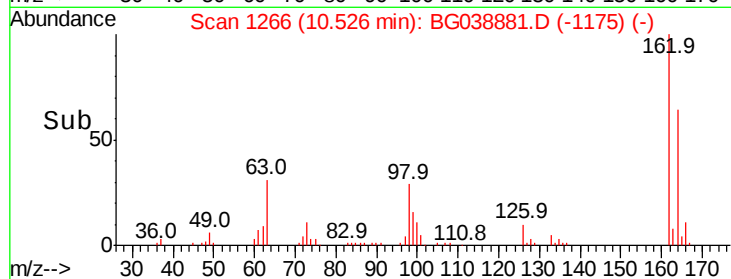
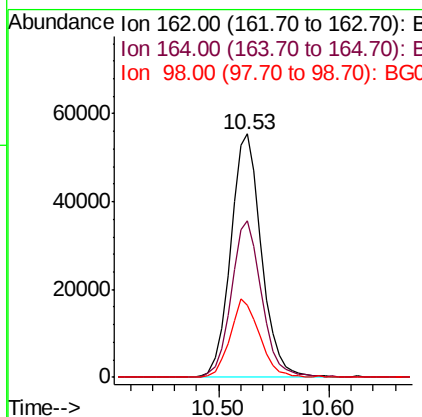
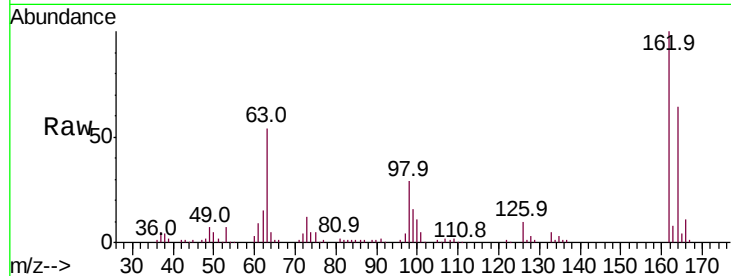
#29  
2,4-Dichlorophenol  
Concen: 66.470 ng  
RT: 10.53 min Scan# 1266  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 162     | 100   |            |       |
| 164     | 64.3  | 42.9       | 82.9  |
| 98      | 29.4  | 12.1       | 52.1  |

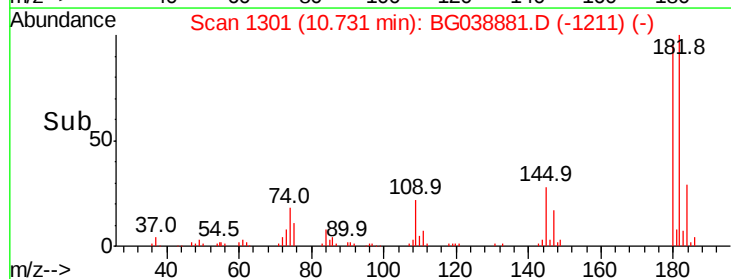
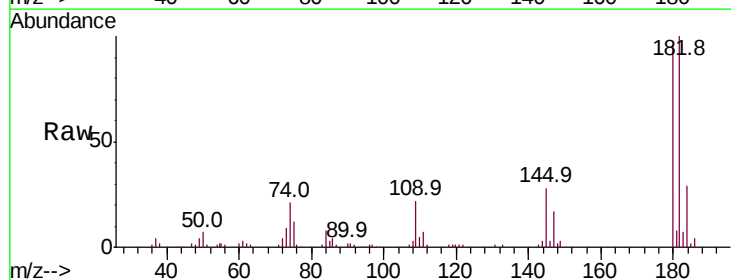
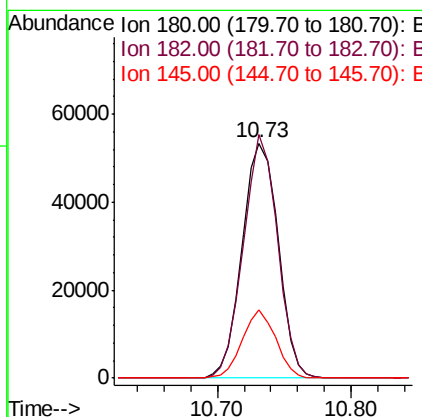
Manual Integrations  
APPROVED

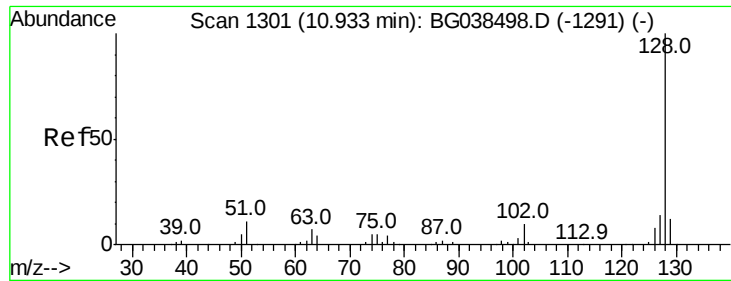
Sohil  
1/2/2019 3:30:31 PM



#30  
1,2,4-Trichlorobenzene  
Concen: 50.782 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 180     | 100   |            |       |
| 182     | 103.7 | 77.4       | 116.0 |
| 145     | 29.3  | 24.1       | 36.1  |





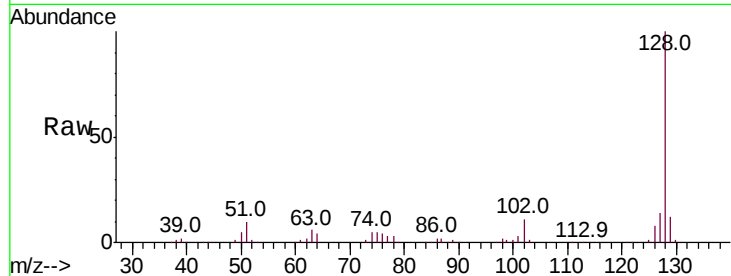
#31  
Naphthalene  
Concen: 54.375 ng  
RT: 10.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 128     | 100   | 270172 |       |       |
| 129     | 11.9  | 9.5    | 14.3  |       |
| 127     | 14.2  | 10.9   | 16.3  |       |

Manual Integrations  
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Sohil  
1/2/2019 3:30:31 PM

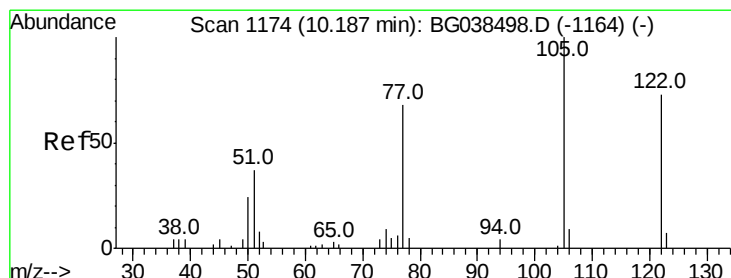
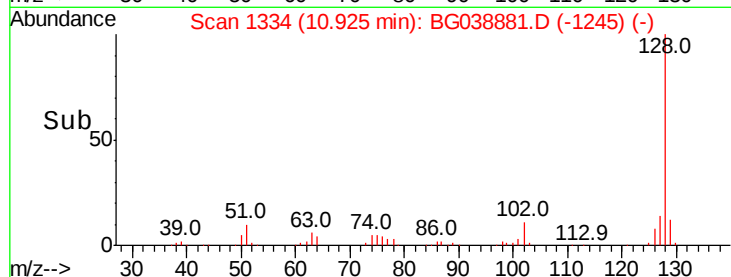
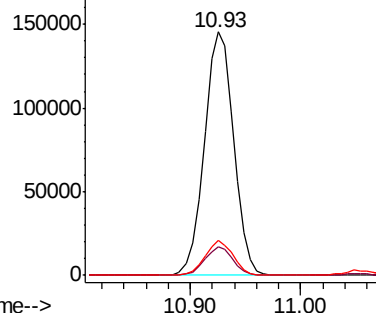


Abundance

Ion 128.00 (127.70 to 128.70): E

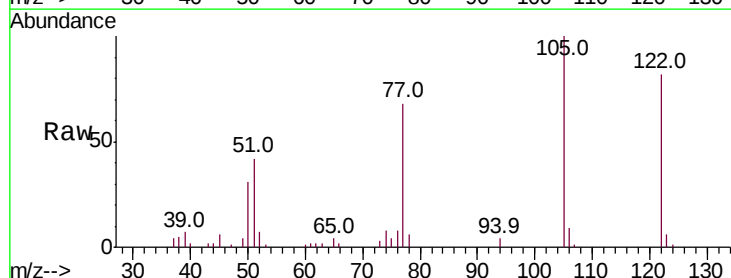
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 46.202 ng  
RT: 10.20 min Scan# 1210  
Delta R.T. 0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 122     | 100   | 42537 |       |       |
| 105     | 122.4 | 116.7 | 156.7 |       |
| 77      | 83.6  | 72.5  | 112.5 |       |

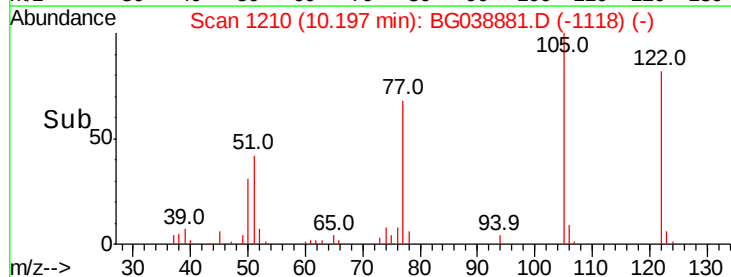
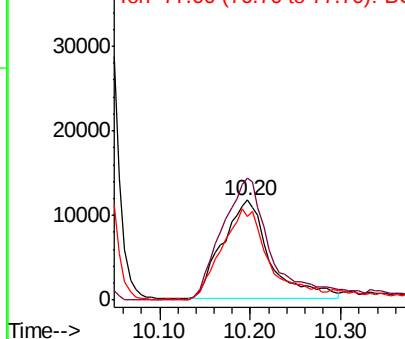


Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO





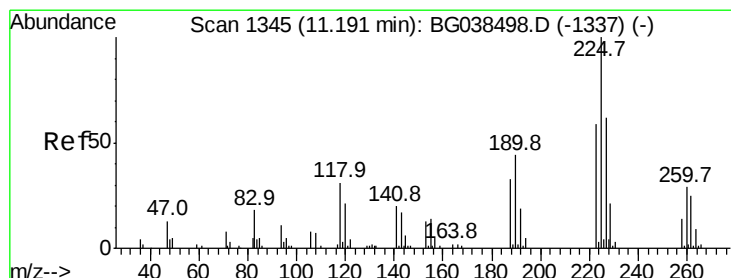
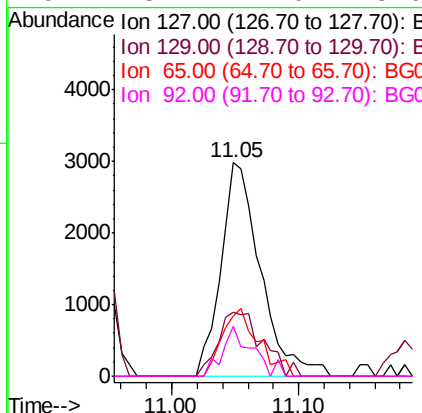
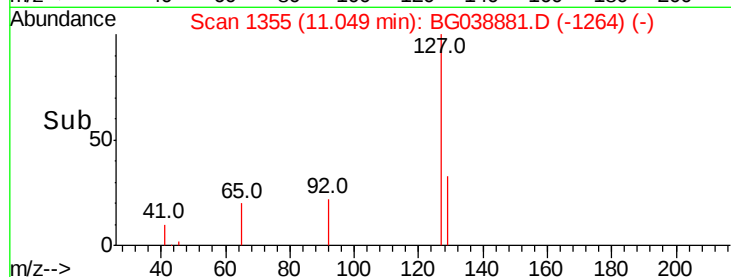
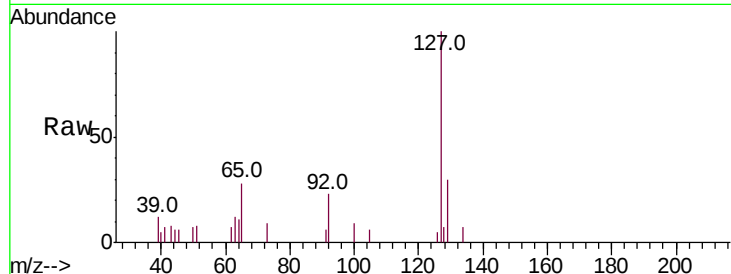
#33  
4-Chloroaniline  
Concen: 2.989 ng  
RT: 11.05 min Scan# 1355  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 127   | Resp: | 6447  |
| Ion      | Ratio | Lower | Upper |
| 127      | 100   |       |       |
| 129      | 30.2  | 25.8  | 38.8  |
| 65       | 28.3  | 27.8  | 41.6  |
| 92       | 23.4  | 17.0  | 25.6  |

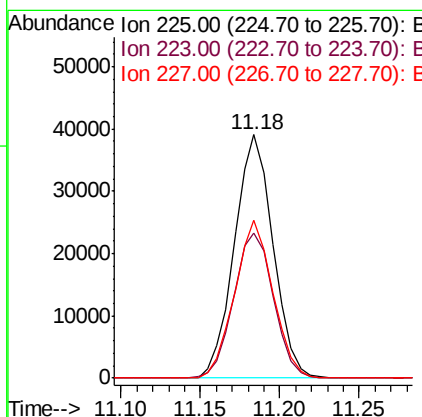
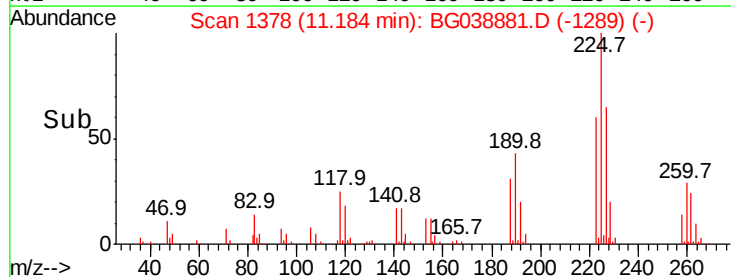
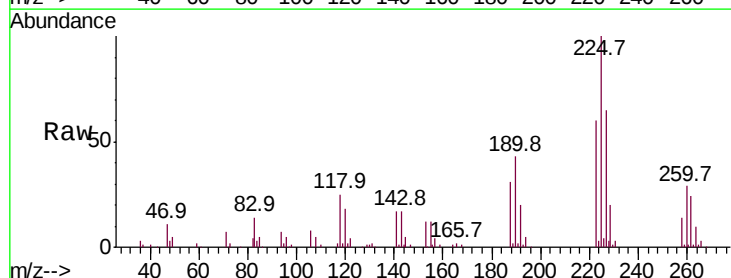
Manual Integrations  
APPROVED

Sohil  
1/2/2019 3:30:31 PM



#34  
Hexachlorobutadiene  
Concen: 49.579 ng  
RT: 11.18 min Scan# 1378  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 66034 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 57.2  | 45.0  | 67.6  |
| 227      | 62.3  | 50.6  | 75.8  |





#35

Caprolactam

Concen: 35.352 ng/ml

RT: 11.84 min Scan# 1490

Delta R.T. 0.02 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

ClientSampleId :

CL-02-122718-AMSD

Tot Ion:113 Resp: 23841

Ion Ratio Lower Upper

113 100

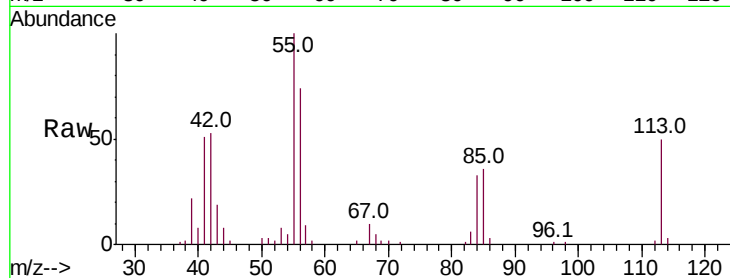
55 200.1 204.3 244.3#

56 147.6 135.0 175.0

Manual Integrations  
APPROVED

Sohil

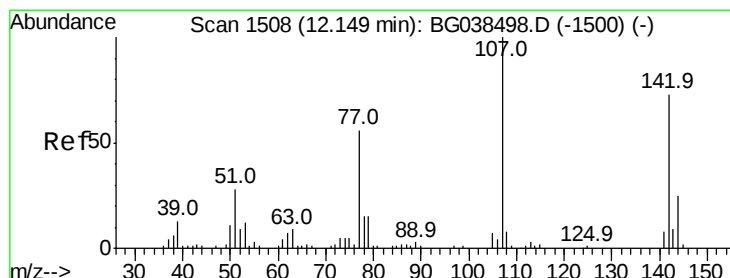
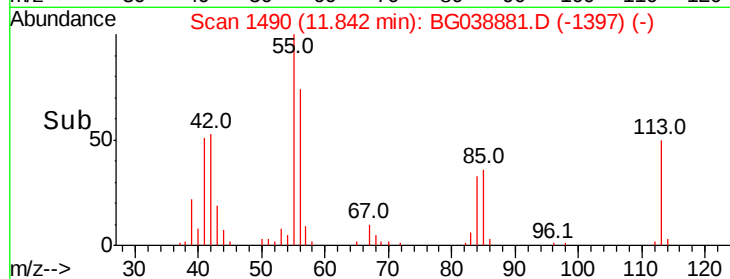
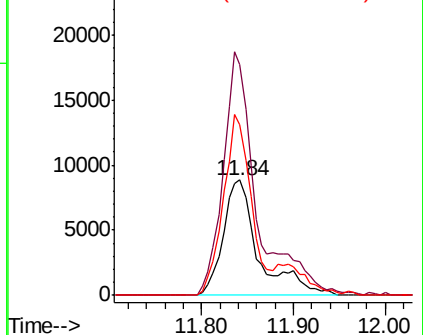
1/2/2019 3:30:31 PM



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BGC

Ion 56.00 (55.70 to 56.70): BGC



#36

4-Chloro-3-methylphenol

Concen: 61.545 ng/ml

RT: 12.16 min Scan# 1544

Delta R.T. 0.01 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

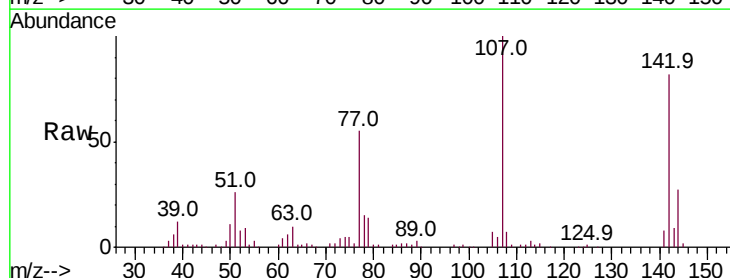
Tgt Ion:107 Resp: 114449

Ion Ratio Lower Upper

107 100

144 27.1 20.1 30.1

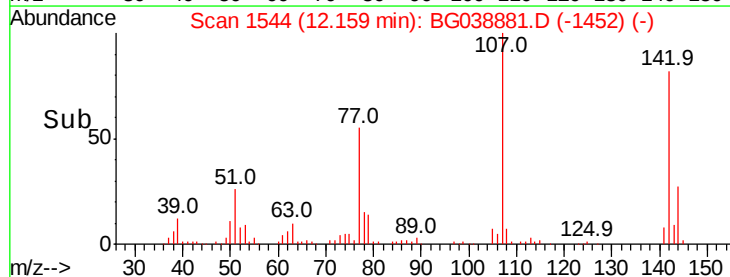
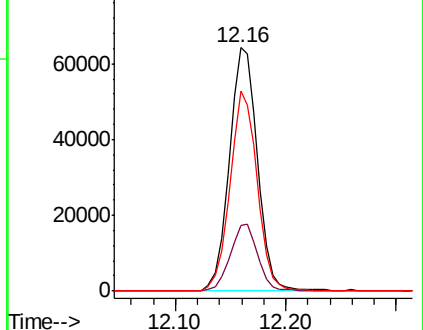
142 82.2 58.7 88.1

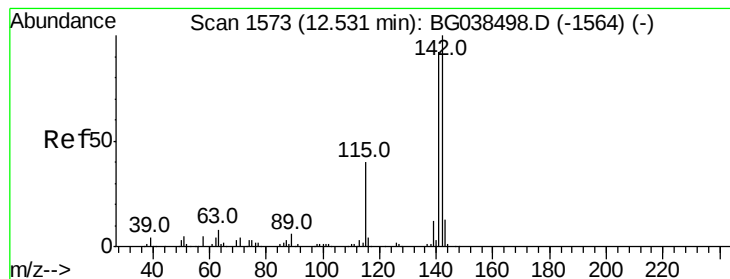


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





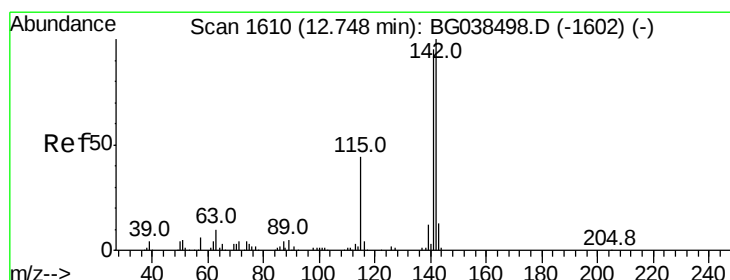
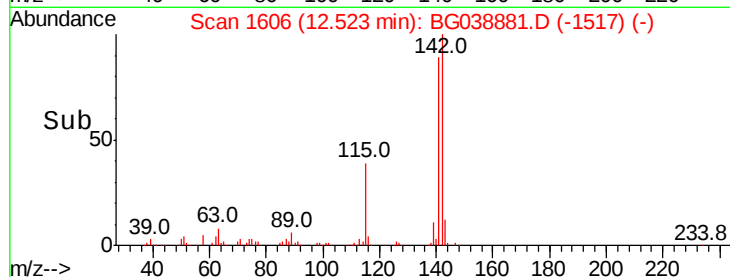
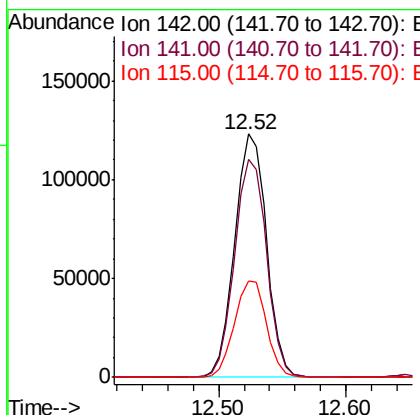
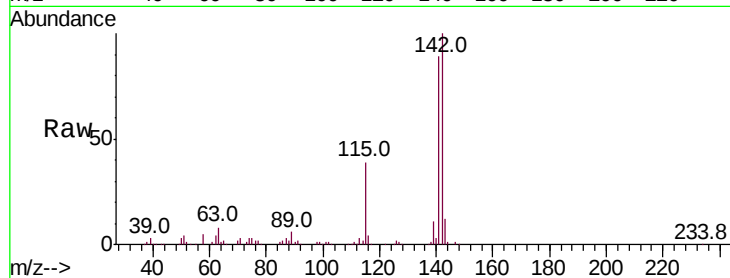
#37  
2-Methylnaphthalene  
Concen: 60.193 ng  
RT: 12.52 min Scan# 1606  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 89.3  | 73.5  | 110.3 |
| 115     | 39.4  | 31.7  | 47.5  |

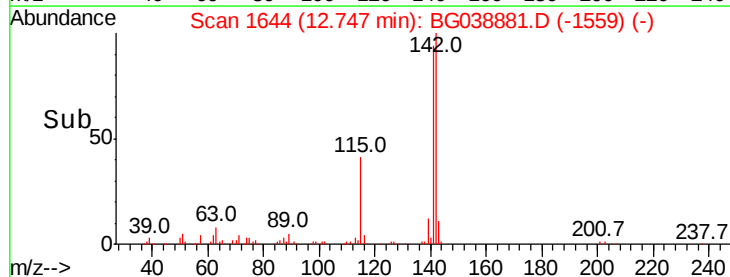
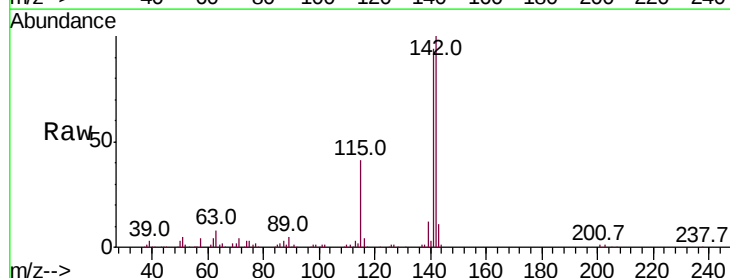
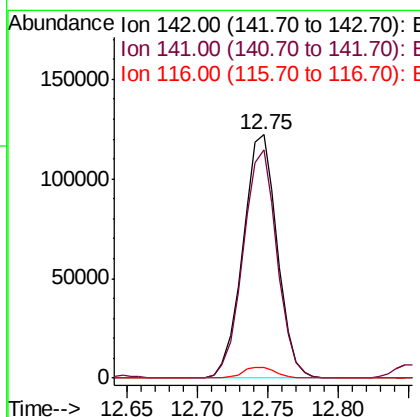
Manual Integrations  
APPROVED

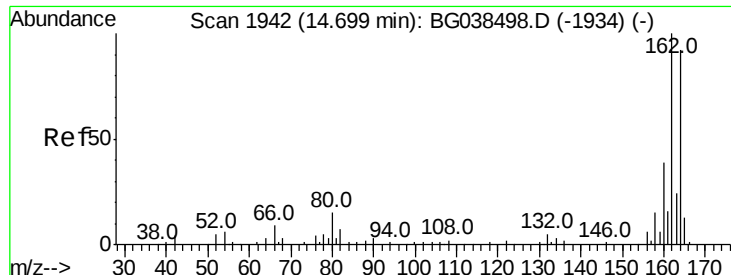
Sohil  
1/2/2019 3:30:31 PM



#38  
1-Methylnaphthalene  
Concen: 60.209 ng  
RT: 12.75 min Scan# 1644  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 94.0  | 75.8  | 113.8 |
| 116     | 4.1   | 3.6   | 5.4   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

ClientSampleId :

CL-02-122718-AMSD

Tot Ion:164 Resp: 76912

Ion Ratio Lower Upper

164 100

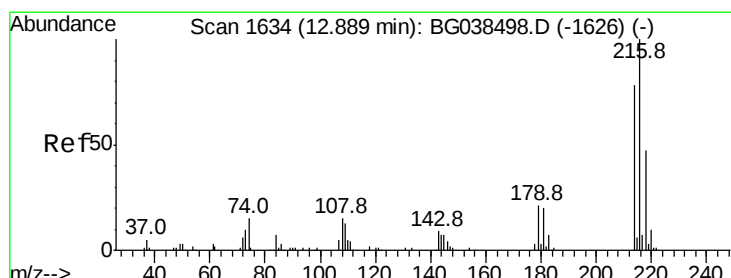
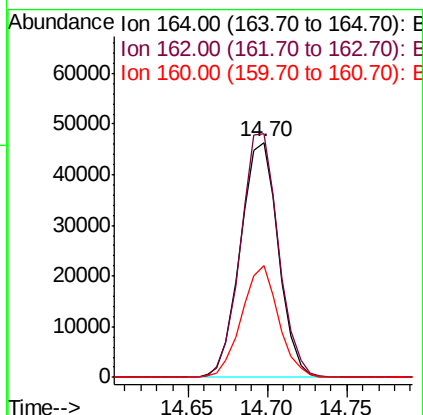
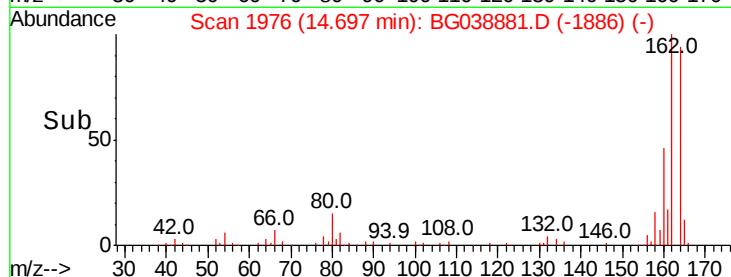
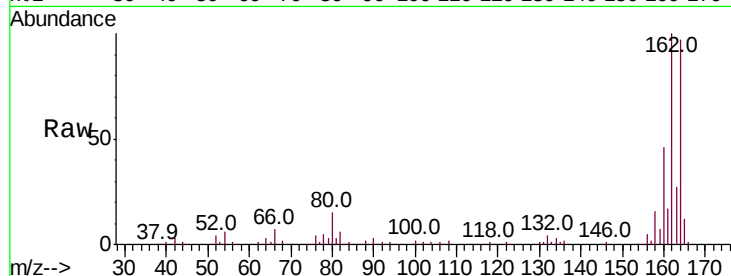
162 103.6 86.6 130.0

160 47.8 34.2 51.2

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 46.557 ng

RT: 12.89 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Tgt Ion:216 Resp: 133848

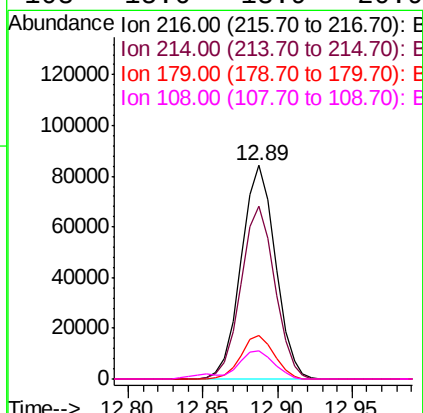
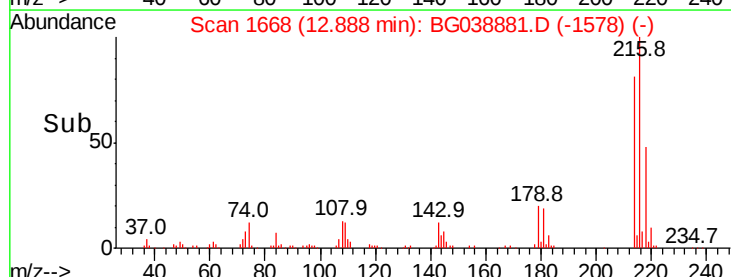
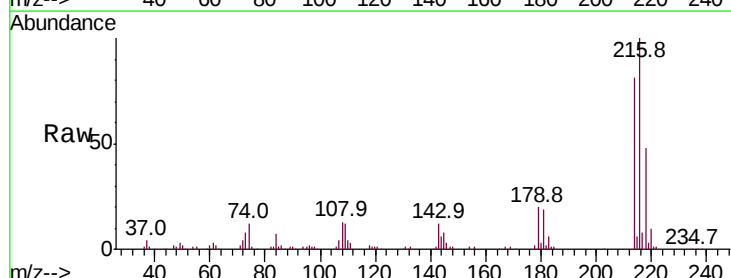
Ion Ratio Lower Upper

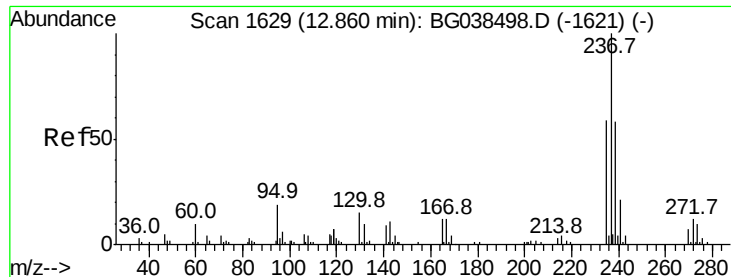
216 100

214 80.1 64.1 96.1

179 19.9 16.4 24.6

108 15.6 13.9 20.9





#41

Hexachlorocyclopentadiene

Concen: 69.930 ng

RT: 12.85 min Scan# 1662

Delta R.T. -0.01 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

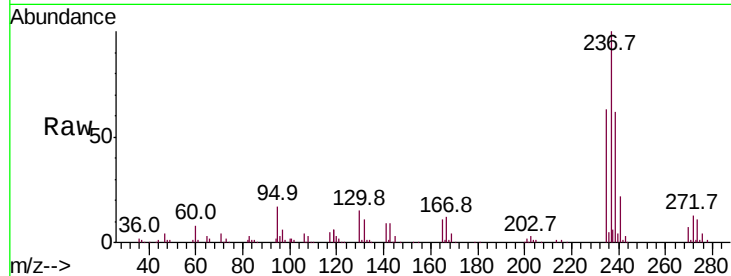
ClientSampleId :

CL-02-122718-AMSD

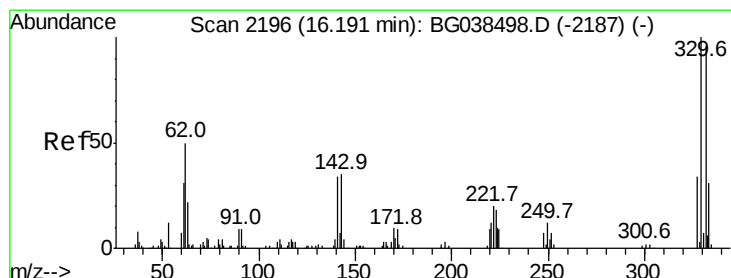
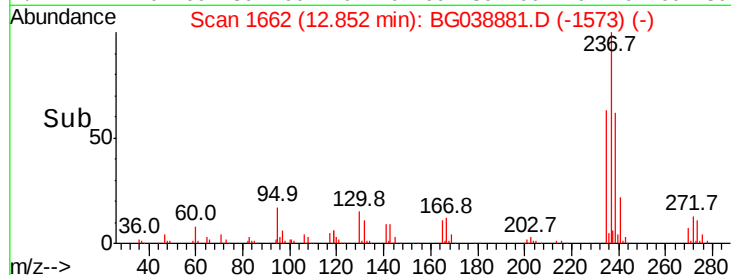
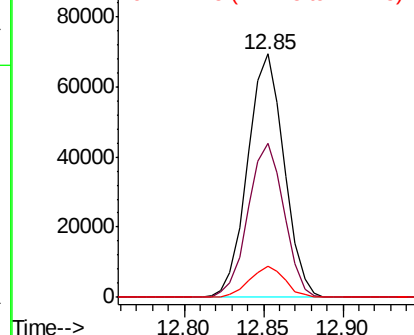
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 110453 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 63.2  | 38.8  | 78.8   |
| 272       | 12.6  | 0.0   | 32.0   |

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



#42

2,4,6-Tribromophenol

Concen: 182.624 ng

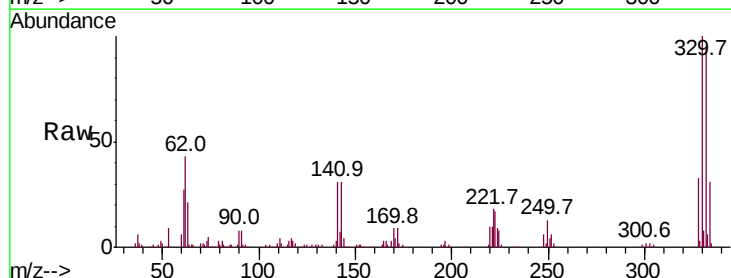
RT: 16.19 min Scan# 2230

Delta R.T. -0.00 min

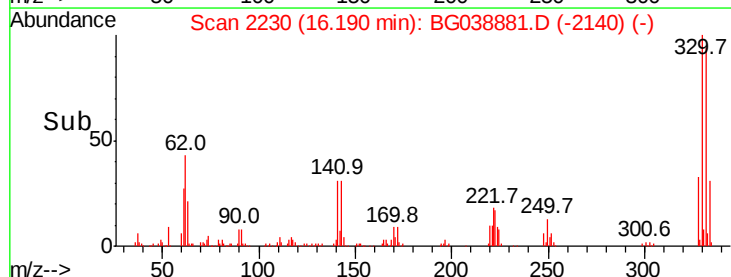
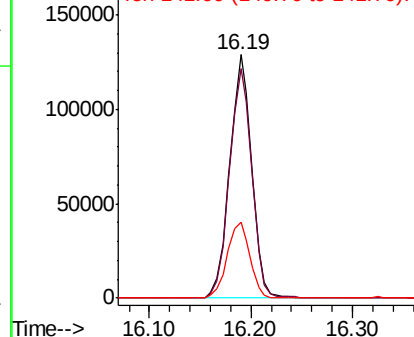
Lab File: BG038881.D

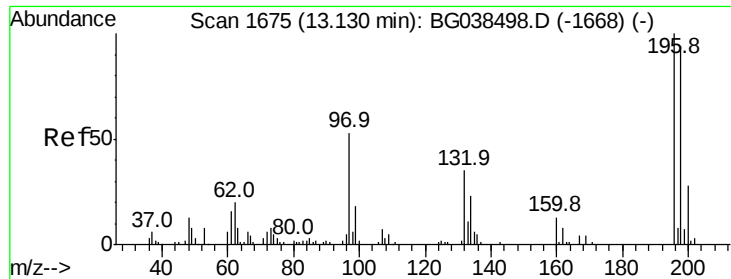
Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 193579 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 96.1  | 76.9  | 115.3  |
| 141       | 32.2  | 28.8  | 43.2   |



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





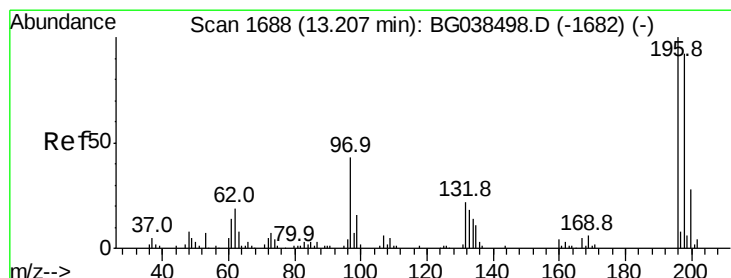
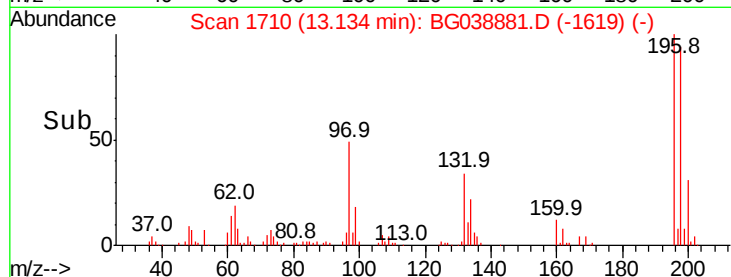
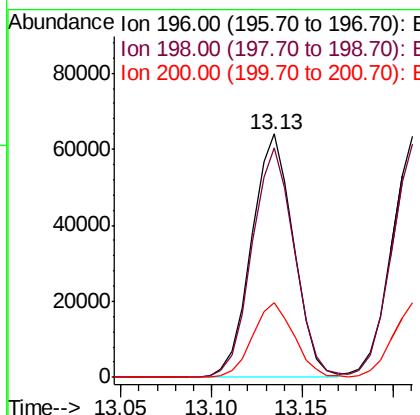
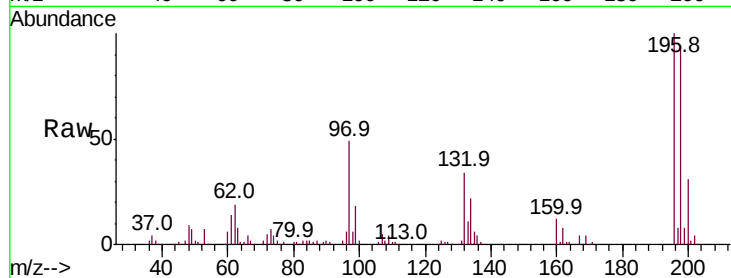
#43  
2,4,6-Trichlorophenol  
Concen: 58.225 ng  
RT: 13.13 min Scan# 1710  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 102924 |       |       |
| 198     | 94.4  | 75.0   | 112.4 |       |
| 200     | 30.6  | 22.4   | 33.6  |       |

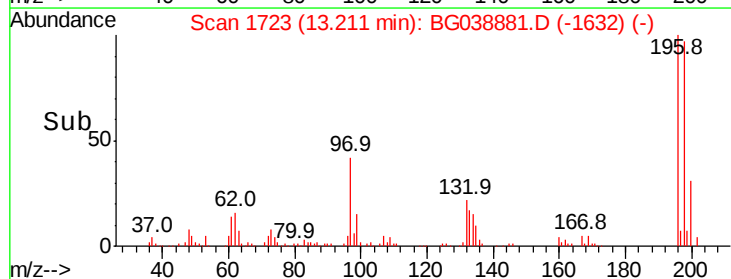
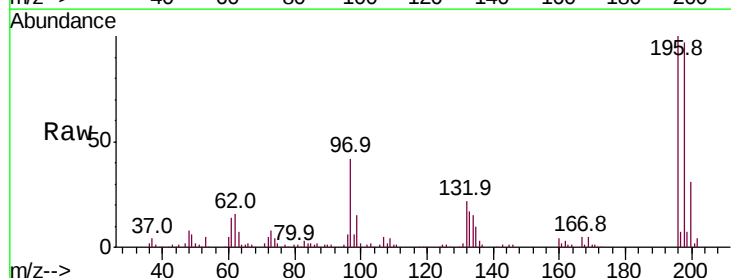
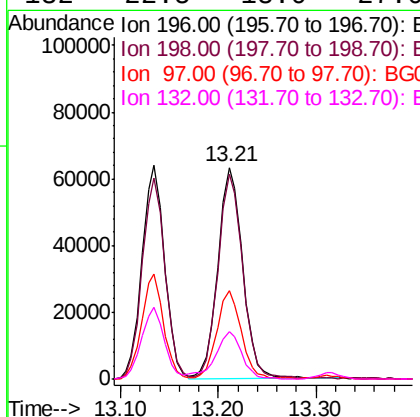
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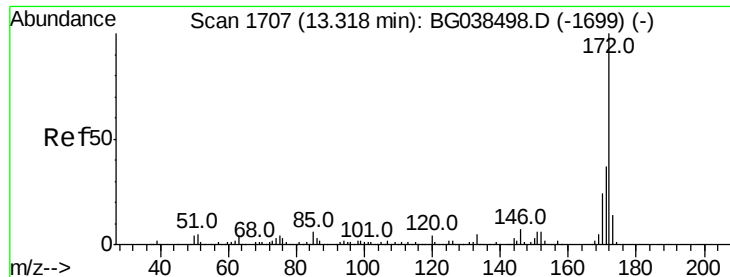
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#44  
2,4,5-Trichlorophenol  
Concen: 59.793 ng  
RT: 13.21 min Scan# 1723  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 196     | 100   | 111907 |       |       |
| 198     | 96.6  | 74.0   | 111.0 |       |
| 97      | 41.5  | 35.1   | 52.7  |       |
| 132     | 22.5  | 18.0   | 27.0  |       |





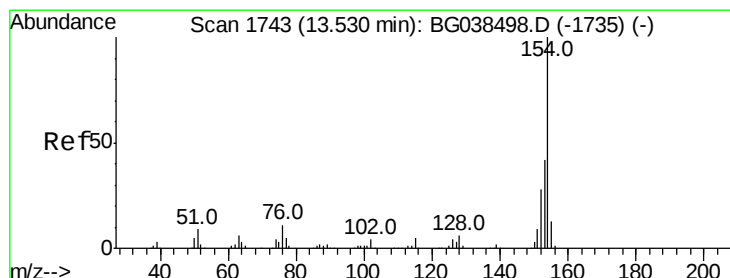
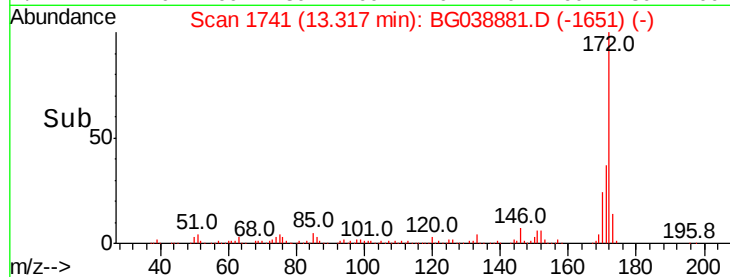
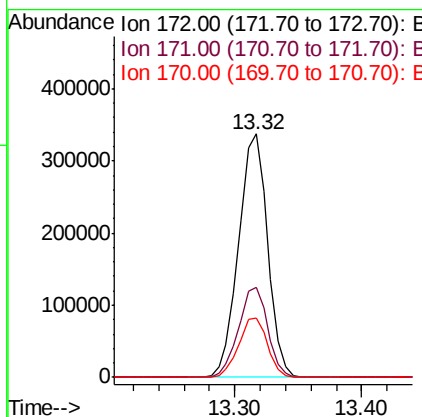
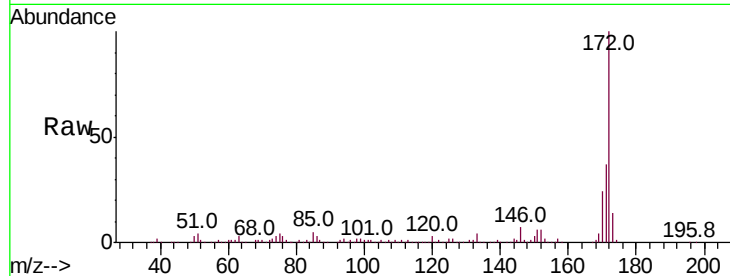
#45  
2-Fluorobiphenyl  
Concen: 95.047 ng  
RT: 13.32 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 172     | 100   |            |            |
| 171     | 37.0  | 29.8       | 44.6       |
| 170     | 24.1  | 19.5       | 29.3       |

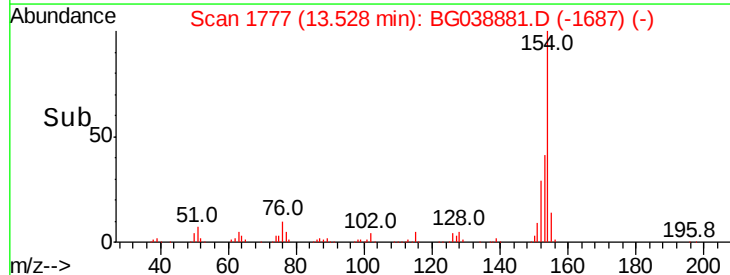
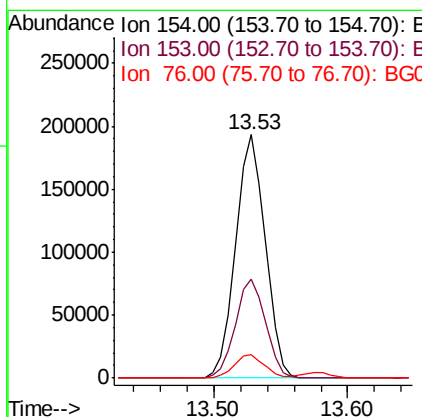
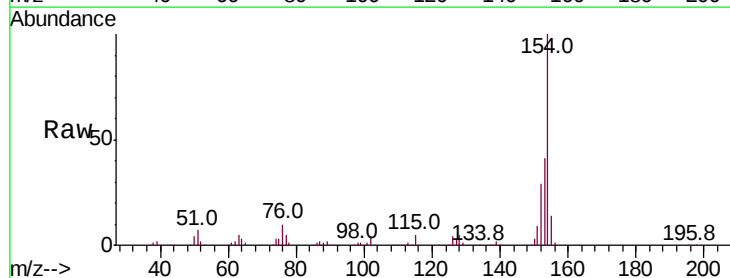
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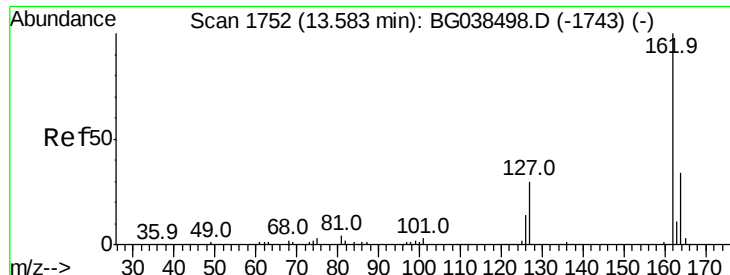
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#46  
1,1'-Biphenyl  
Concen: 46.011 ng  
RT: 13.53 min Scan# 1777  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp Lower | Resp Upper |
|---------|-------|------------|------------|
| 154     | 100   |            |            |
| 153     | 40.9  | 22.1       | 62.1       |
| 76      | 9.7   | 0.0        | 31.2       |





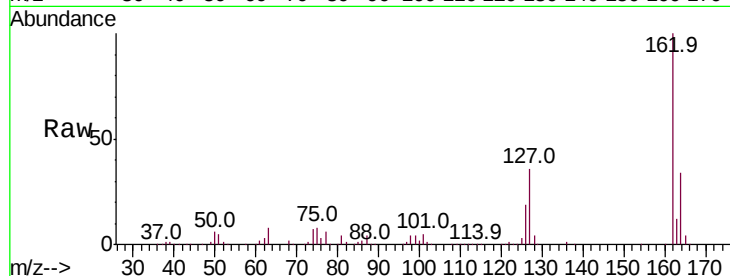
#47  
 2-Chloronaphthalene  
 Concen: 48.445 ng  
 RT: 13.58 min Scan# 1785  
 Delta R.T. -0.01 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

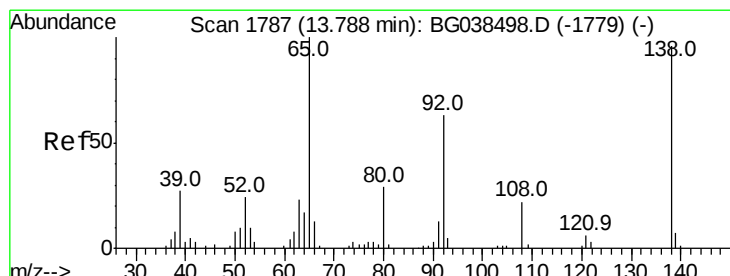
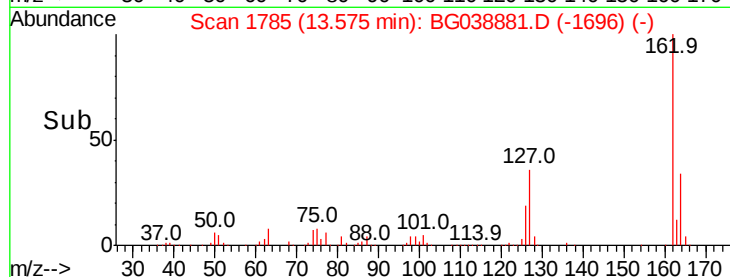
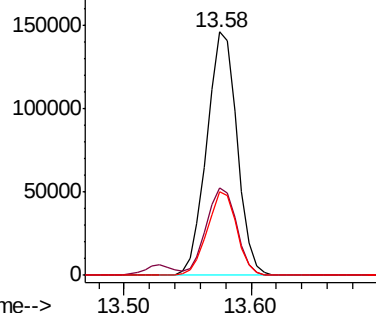
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 35.9  | 27.8  | 41.8  |
| 164     | 34.3  | 26.9  | 40.3  |

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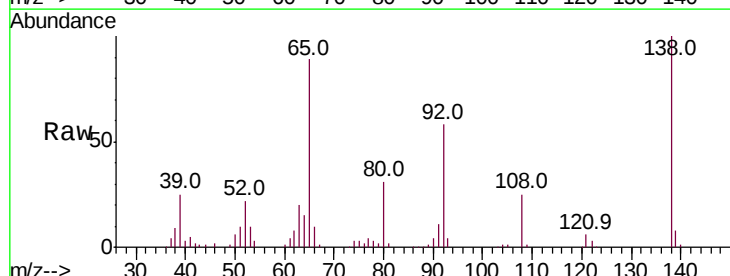


Abundance Ion 162.00 (161.70 to 162.70): E  
 200000  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

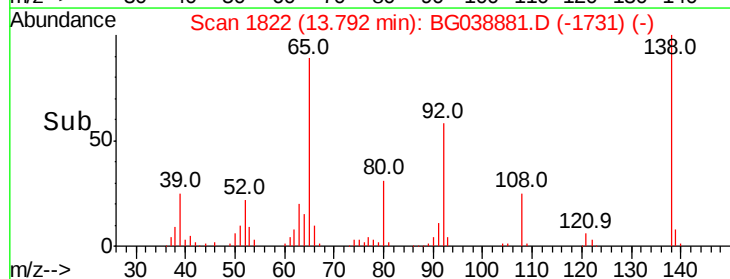
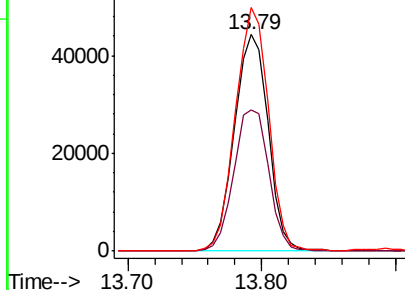


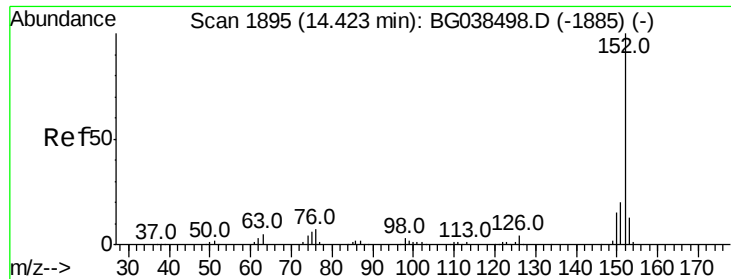
#48  
 2-Nitroaniline  
 Concen: 49.036 ng  
 RT: 13.79 min Scan# 1822  
 Delta R.T. 0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 65.4  | 50.0  | 75.0  |
| 138     | 112.4 | 76.9  | 115.3 |



Abundance Ion 65.00 (64.70 to 65.70): BGC  
 60000  
 Ion 92.00 (91.70 to 92.70): BGC  
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 53.343 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

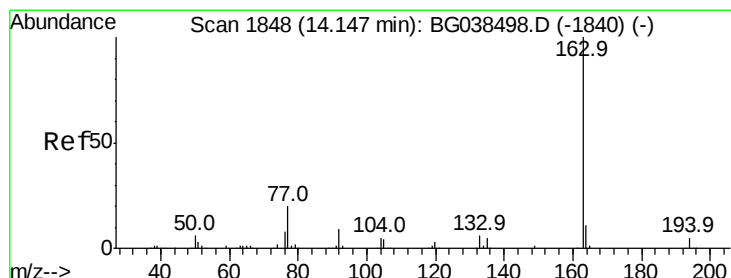
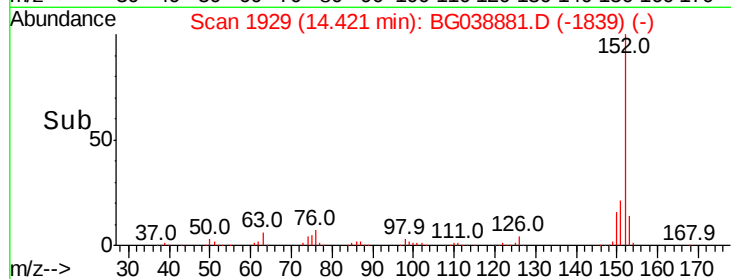
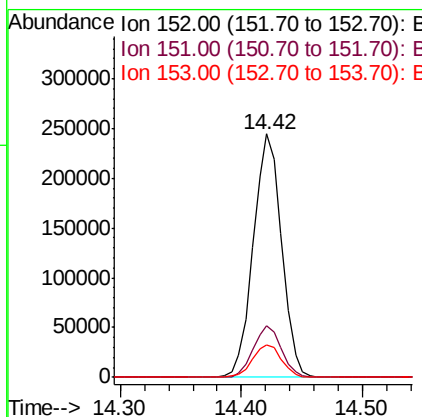
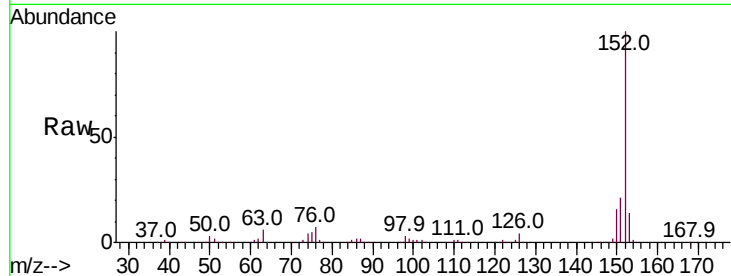
ClientSampleId :

CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 151     | 21.3  | 16.4  | 24.6  |
| 153     | 13.5  | 10.4  | 15.6  |

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#50

Dimethylphthalate

Concen: 52.531 ng

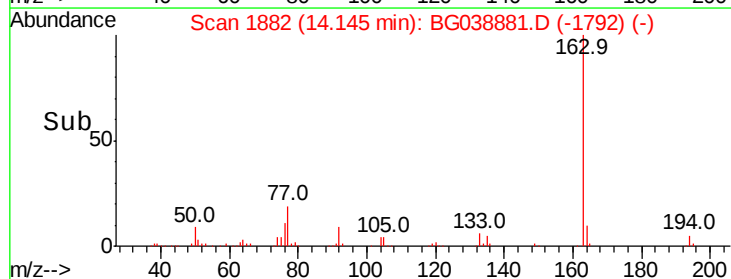
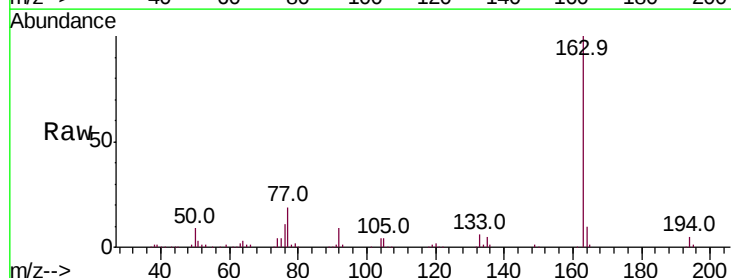
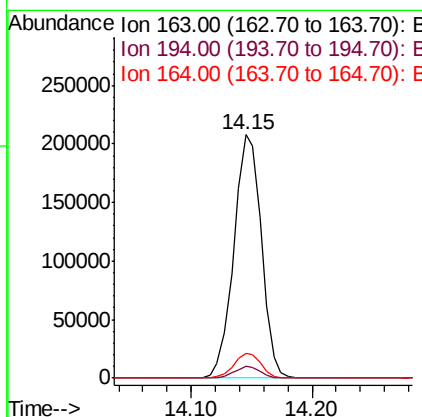
RT: 14.15 min Scan# 1882

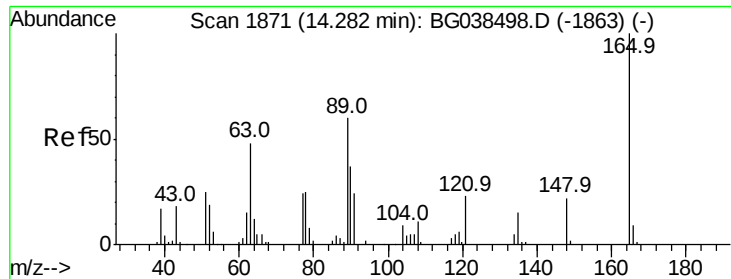
Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 163     | 100   |       |       |
| 194     | 4.8   | 3.7   | 5.5   |
| 164     | 10.4  | 8.6   | 12.8  |





#51

2,6-Dinitrotoluene

Concen: 53.115 ng

RT: 14.28 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

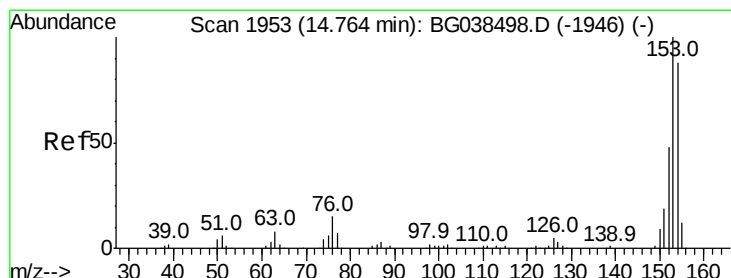
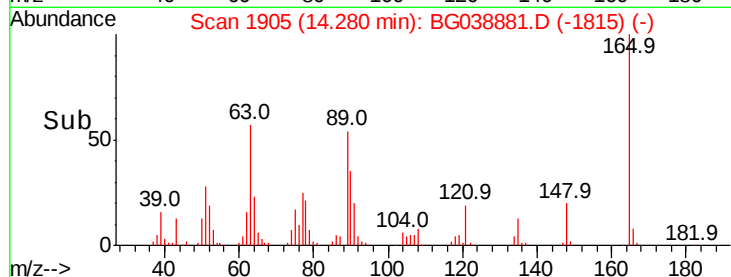
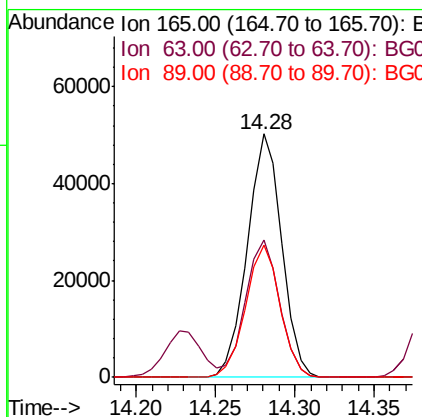
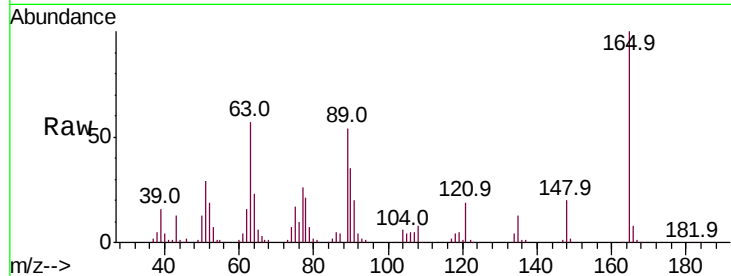
ClientSampleId :

CL-02-122718-AMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 165   | Resp: | 75602 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 56.6  | 51.8  | 77.6  |
| 89        | 54.4  | 47.9  | 71.9  |

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#52

Acenaphthene

Concen: 51.611 ng

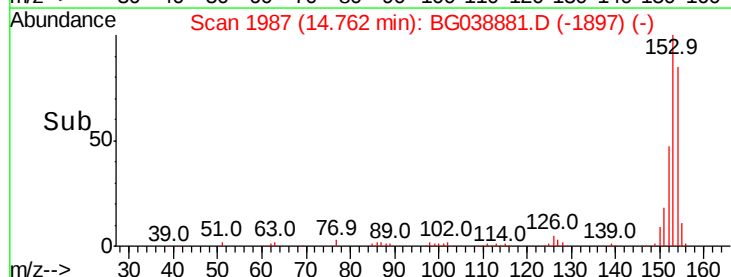
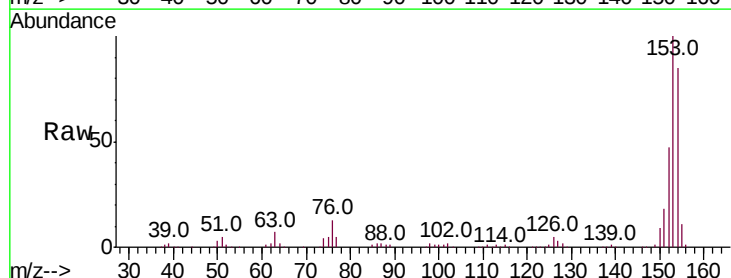
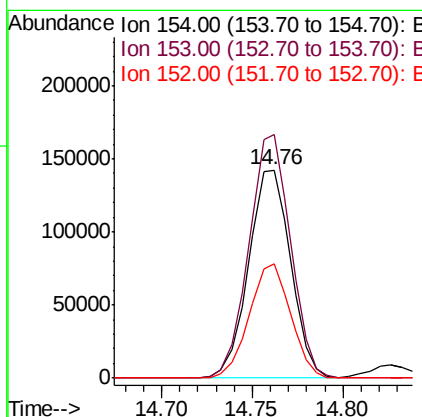
RT: 14.76 min Scan# 1987

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 154   | Resp: | 229784 |
| Ion Ratio | Lower | Upper |        |
| 154       | 100   |       |        |
| 153       | 117.1 | 90.6  | 136.0  |
| 152       | 55.3  | 43.5  | 65.3   |





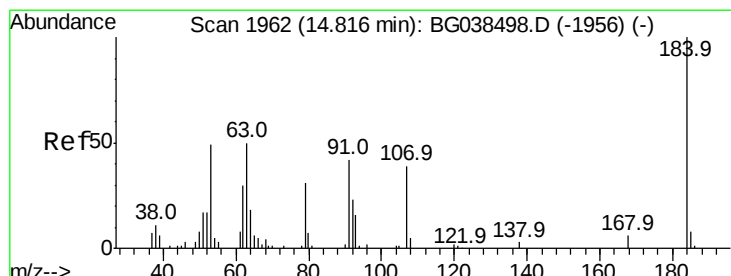
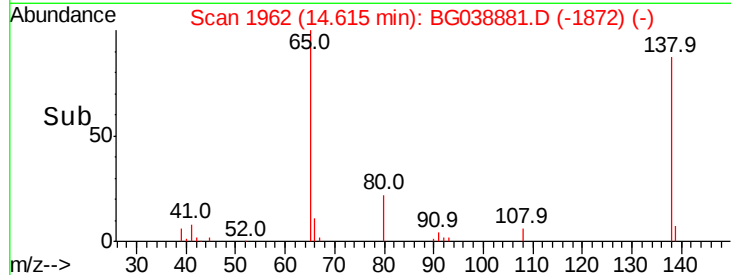
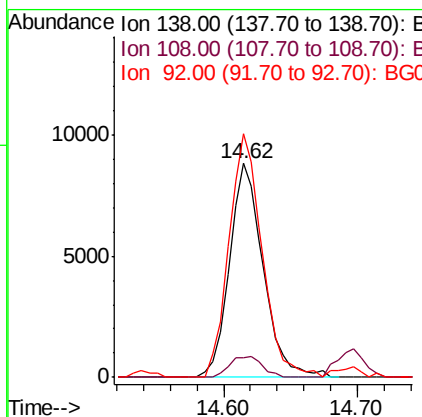
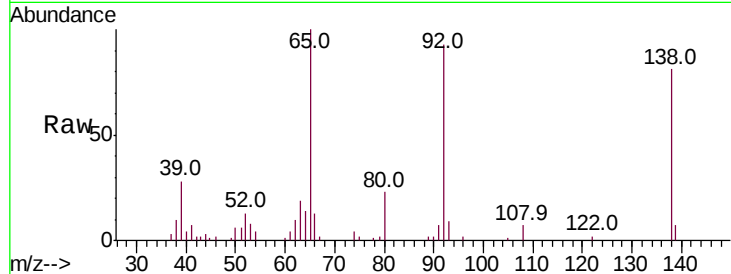
#53  
 3-Nitroaniline  
 Concen: 10.690 ng  
 RT: 14.62 min Scan# 1962  
 Delta R.T. -0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

|             |       |            |
|-------------|-------|------------|
| Tot Ion:138 | Resp: | 15510      |
| Ion Ratio   | Lower | Upper      |
| 138         | 100   |            |
| 108         | 9.2   | 7.9 11.9   |
| 92          | 113.7 | 95.3 142.9 |

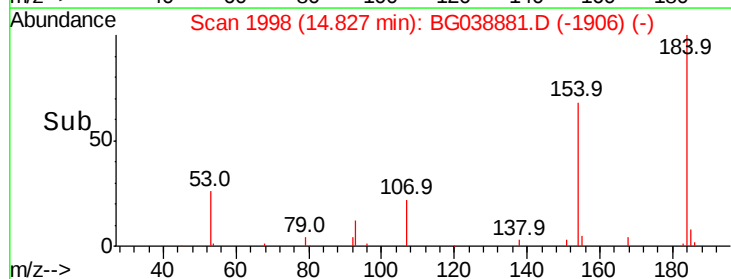
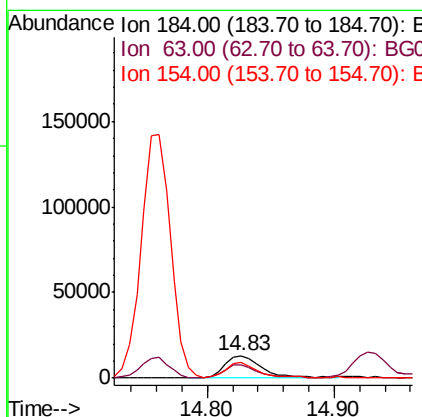
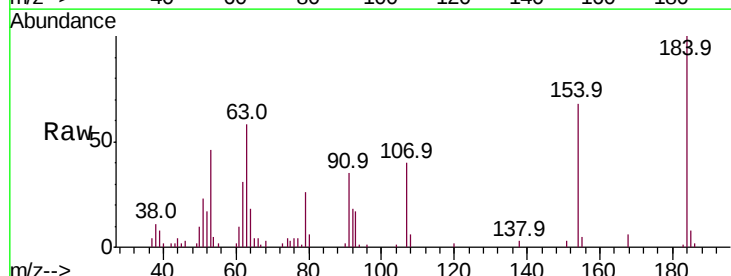
Manual Integrations  
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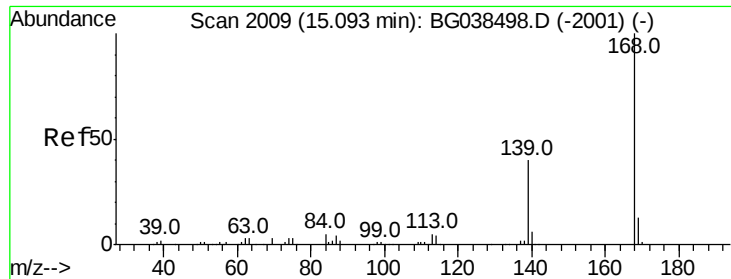
Sohil  
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#54  
 2,4-Dinitrophenol  
 Concen: 35.234 ng  
 RT: 14.83 min Scan# 1998  
 Delta R.T. 0.01 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 27214     |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 63          | 57.8  | 47.0 70.6 |
| 154         | 67.7  | 50.3 75.5 |





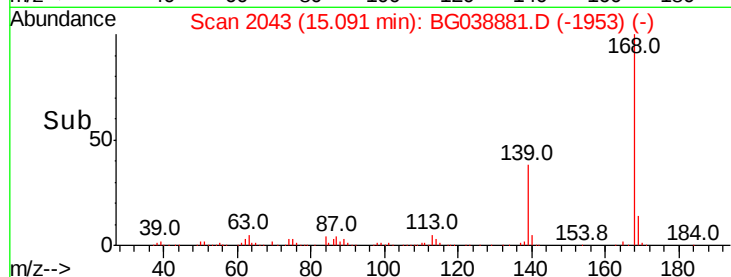
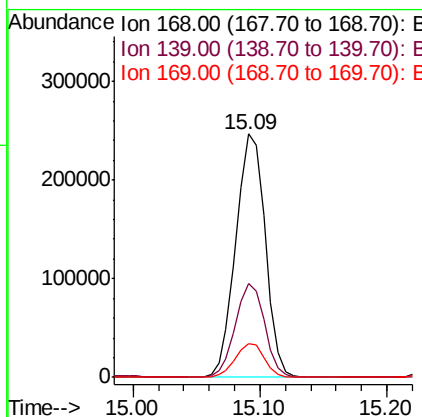
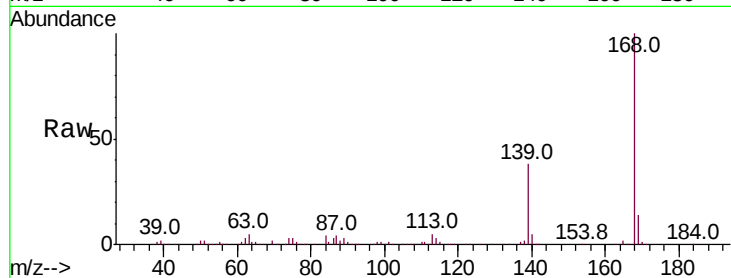
#55  
Dibenzenofuran  
Concen: 52.145 ng  
RT: 15.09 min Scan# 2043  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.3  | 32.2  | 48.2  |
| 169     | 14.0  | 10.6  | 16.0  |

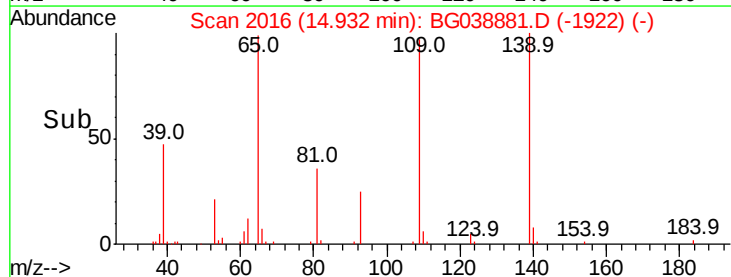
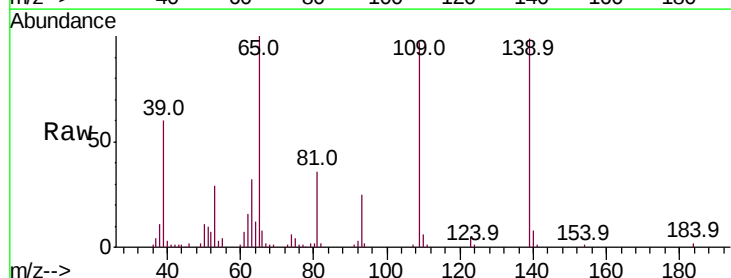
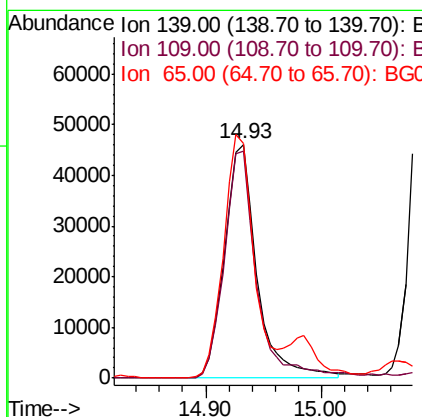
Manual Integrations  
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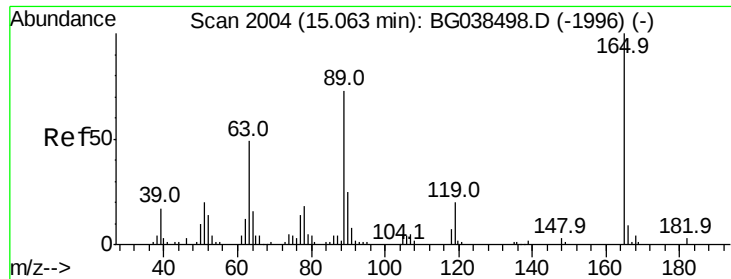
Sohil  
1/2/2019 3:30:31 PM



#56  
4-Nitrophenol  
Concen: 81.766 ng  
RT: 14.93 min Scan# 2016  
Delta R.T. 0.02 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 97.4  | 73.6  | 113.6 |
| 65      | 100.6 | 84.8  | 124.8 |





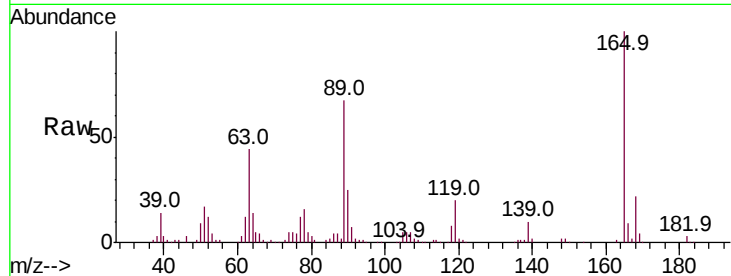
#57  
 2,4-Dinitrotoluene  
 Concen: 52.490 ng  
 RT: 15.07 min Scan# 2039  
 Delta R.T. 0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 165     | 100   |      |       |       |
| 63      | 43.9  | 39.0 | 58.4  |       |
| 89      | 67.0  | 58.0 | 87.0  |       |
| 182     | 3.2   | 2.3  | 3.5   |       |

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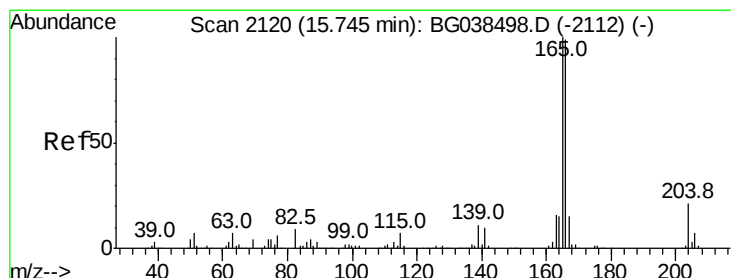
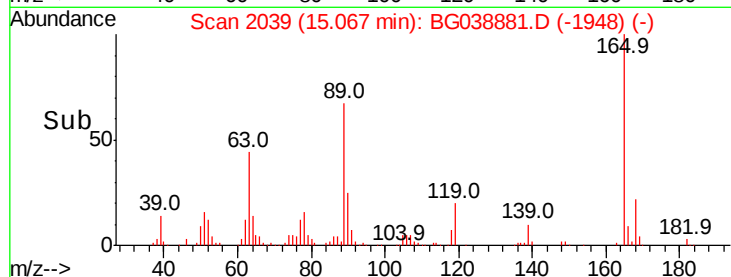
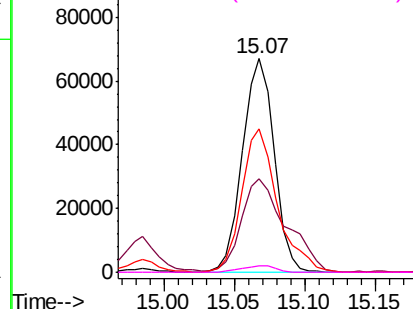
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG

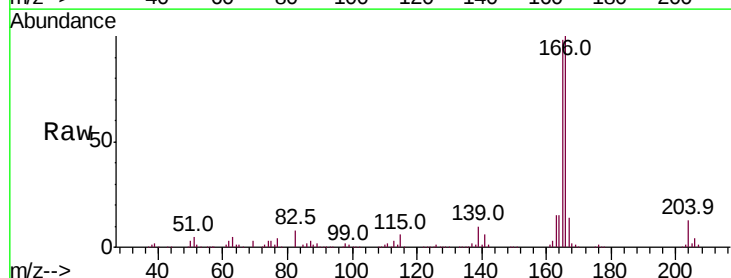
Ion 89.00 (88.70 to 89.70): BG

Ion 182.00 (181.70 to 182.70): E



#58  
 Fluorene  
 Concen: 56.573 ng  
 RT: 15.74 min Scan# 2154  
 Delta R.T. -0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 166     | 100   |      |       |       |
| 165     | 97.7  | 80.6 | 120.8 |       |
| 167     | 13.7  | 12.0 | 18.0  |       |

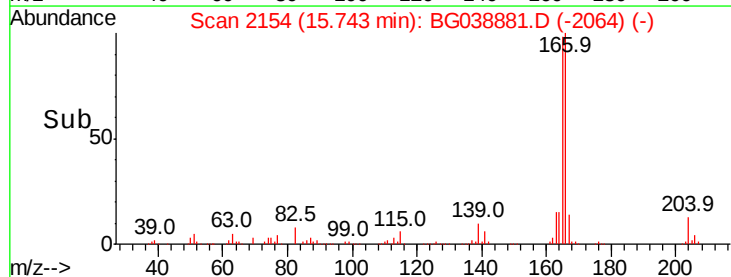
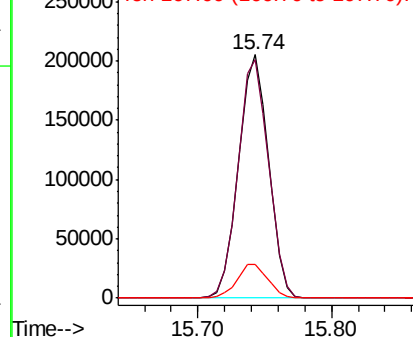


Abundance

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





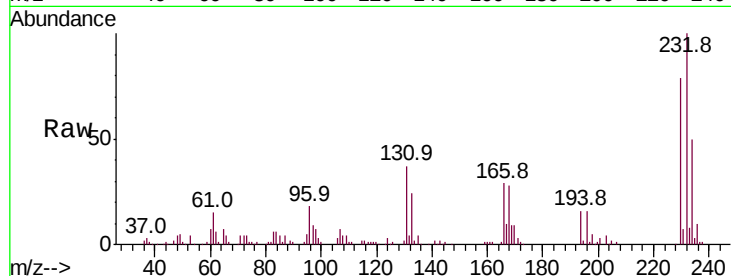
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 60.973 ng  
 RT: 15.32 min Scan# 2082  
 Delta R.T. 0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

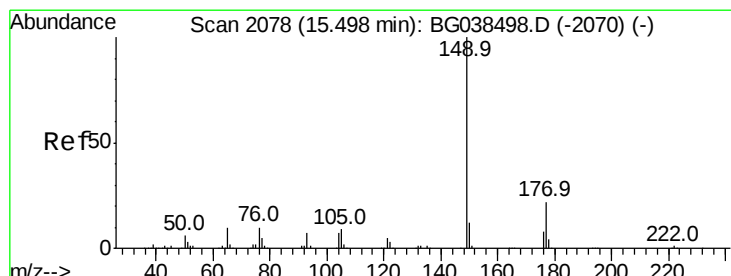
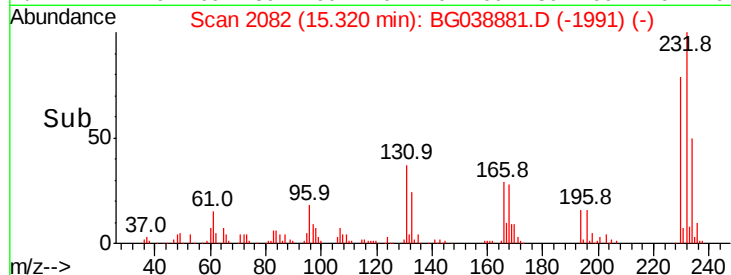
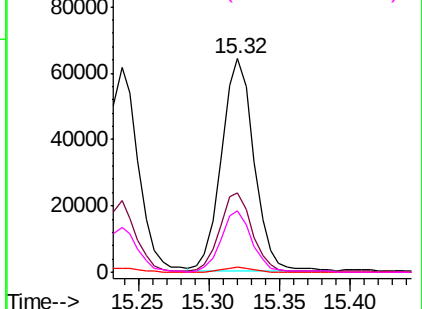
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 232     | 100   | 102670 |       |       |
| 131     | 37.3  |        | 33.0  | 49.4  |
| 130     | 2.2   |        | 2.0   | 3.0   |
| 166     | 27.9  |        | 23.1  | 34.7  |

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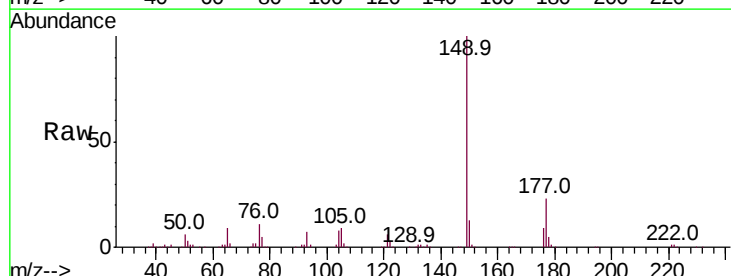


Abundance Ion 232.00 (231.70 to 232.70): E  
 100000  
 Ion 131.00 (130.70 to 131.70): E  
 80000  
 Ion 130.00 (129.70 to 130.70): E  
 60000  
 Ion 166.00 (165.70 to 166.70): E  
 40000  
 20000  
 0

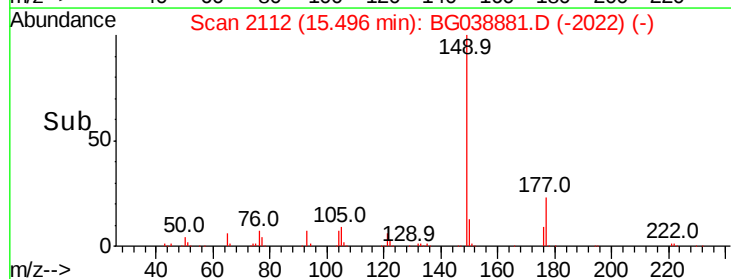
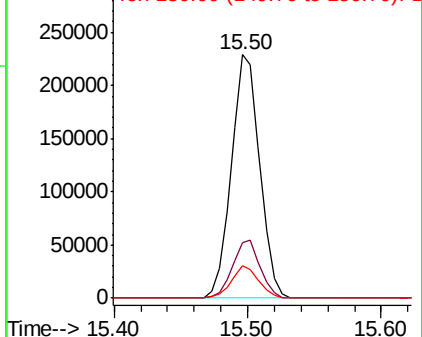


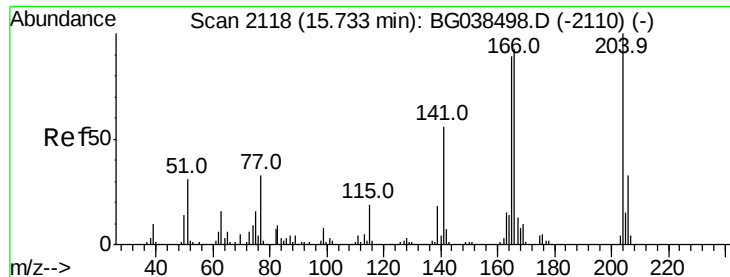
#60  
 Diethylphthalate  
 Concen: 48.814 ng  
 RT: 15.50 min Scan# 2112  
 Delta R.T. -0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 336572 |       |       |
| 177     | 23.0  |        | 17.7  | 26.5  |
| 150     | 13.1  |        | 9.9   | 14.9  |



Abundance Ion 149.00 (148.70 to 149.70): E  
 300000  
 Ion 177.00 (176.70 to 177.70): E  
 250000  
 Ion 150.00 (149.70 to 150.70): E  
 200000  
 150000  
 100000  
 50000  
 0





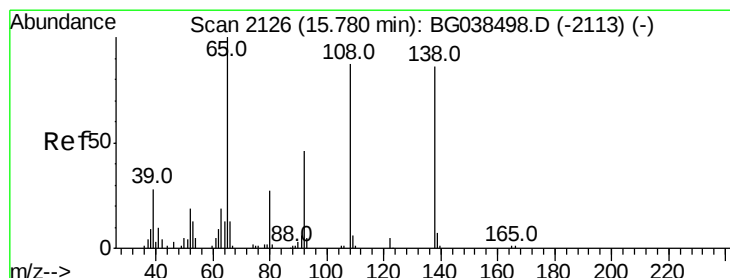
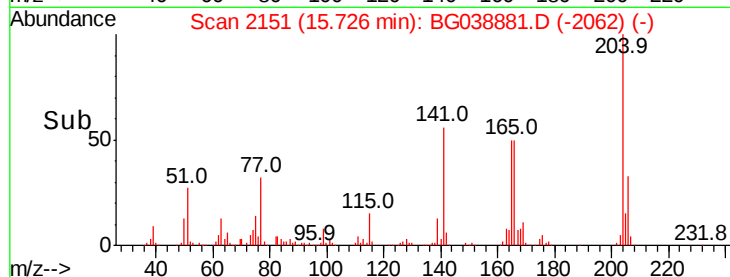
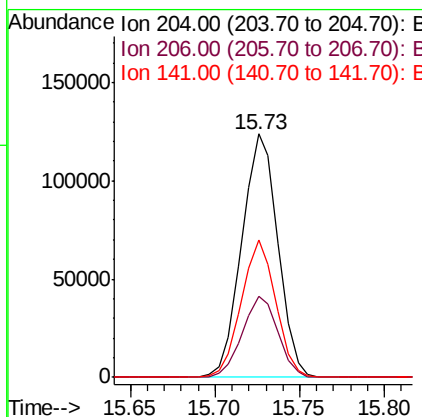
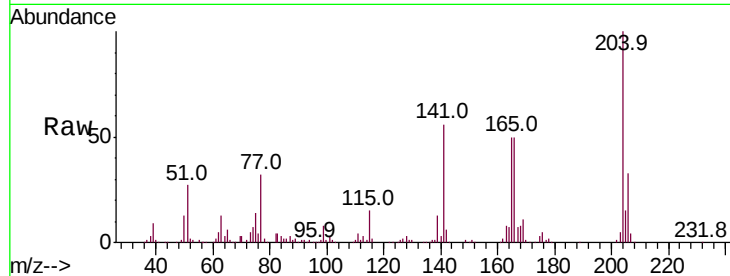
#61  
4-Chlorophenyl-phenylether  
Concen: 52.167 ng  
RT: 15.73 min Scan# 2151  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 33.3  | 26.0  | 39.0  |
| 141     | 56.4  | 44.4  | 66.6  |

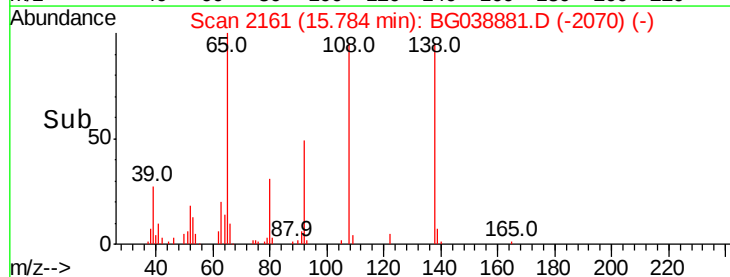
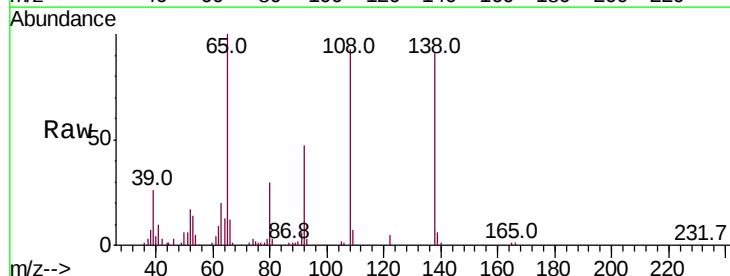
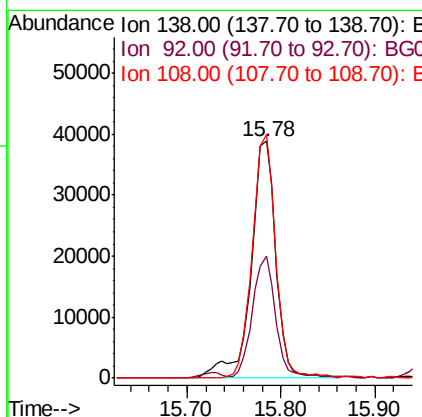
Manual Integrations  
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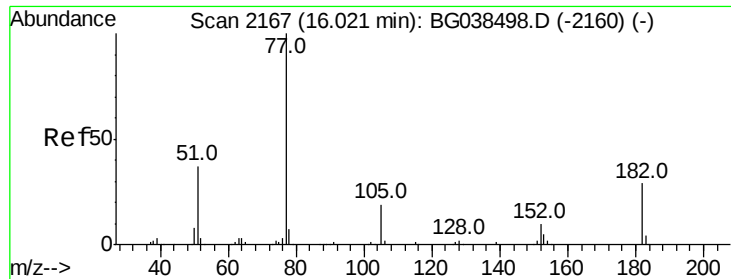
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#62  
4-Nitroaniline  
Concen: 47.839 ng  
RT: 15.78 min Scan# 2161  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 51.5  | 33.3  | 73.3  |
| 108     | 102.8 | 81.4  | 121.4 |





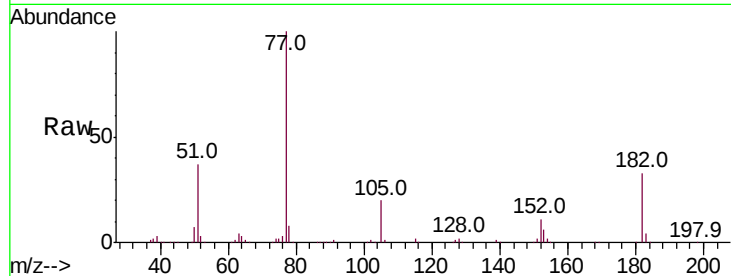
#63  
Azobenzene  
Concen: 46.696 ng  
RT: 16.02 min Scan# 2201  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

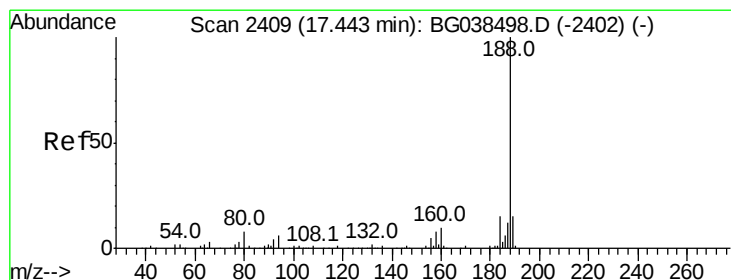
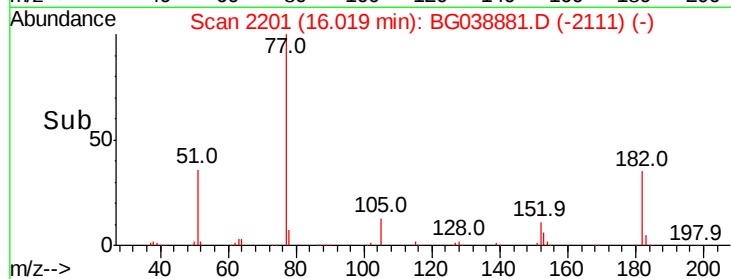
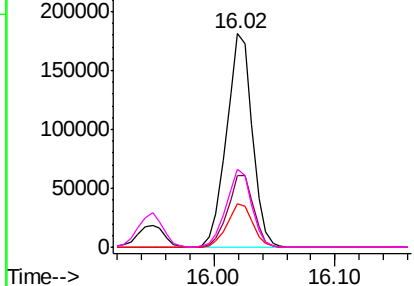
| Tot Ion | Ion  | Ratio | Resp | Lower | Upper |
|---------|------|-------|------|-------|-------|
| 77      | 100  |       |      |       |       |
| 182     | 33.4 | 8.7   | 48.7 |       |       |
| 105     | 20.5 | 0.0   | 38.7 |       |       |
| 51      | 36.9 | 16.6  | 56.6 |       |       |

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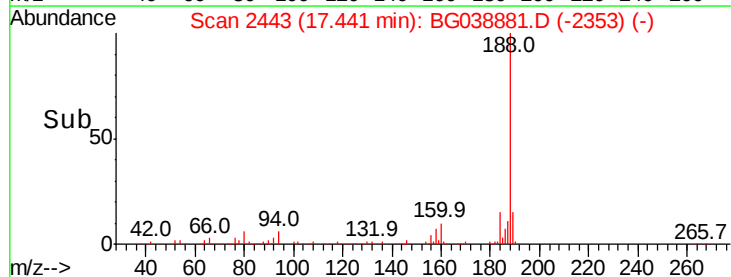
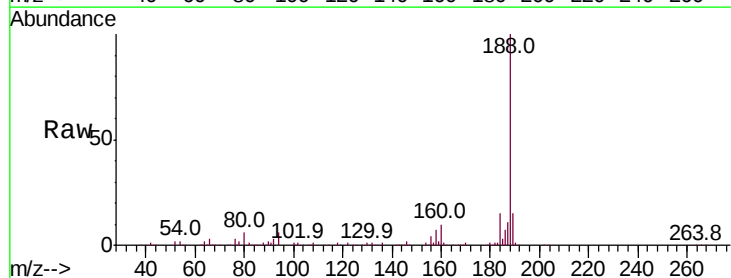
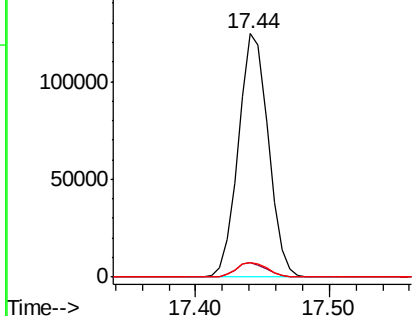
Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 182.00 (181.70 to 182.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 51.00 (50.70 to 51.70): BGC

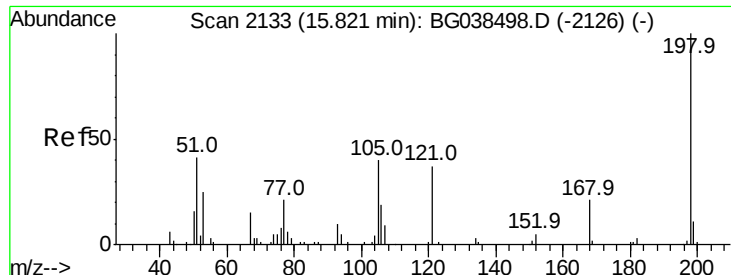


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ion | Ratio | Resp | Lower | Upper |
|---------|-----|-------|------|-------|-------|
| 188     | 100 |       |      |       |       |
| 94      | 6.2 | 5.1   | 7.7  |       |       |
| 80      | 5.9 | 6.1   | 9.1# |       |       |

Abundance Ion 188.00 (187.70 to 188.70): BGC  
Ion 94.00 (93.70 to 94.70): BGC  
Ion 80.00 (79.70 to 80.70): BGC





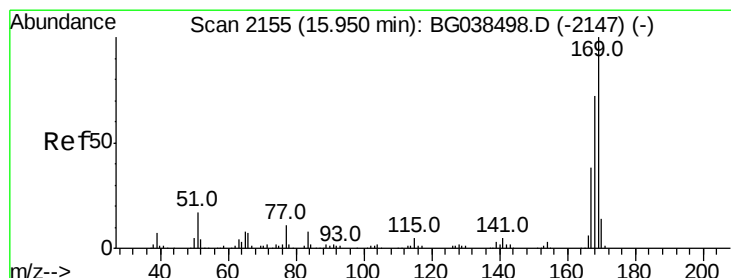
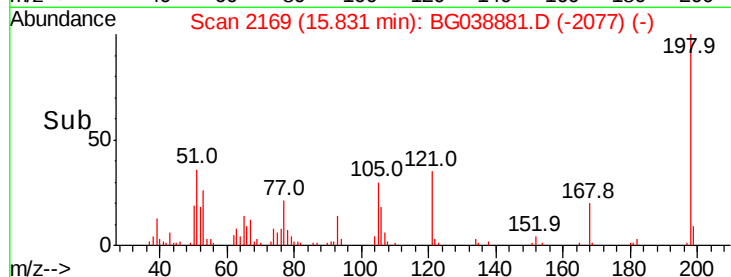
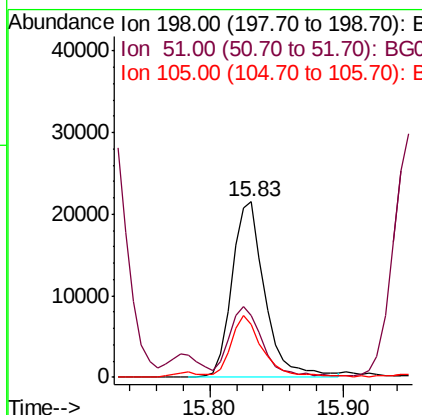
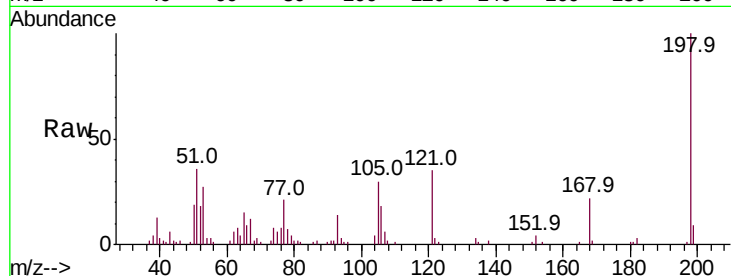
#65  
4,6-Dinitro-2-methylphenol  
Concen: 26.777 ng  
RT: 15.83 min Scan# 2169  
Delta R.T. 0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 198     | 100   | 36851 |       |       |
| 51      | 35.6  | 28.6  | 68.6  |       |
| 105     | 29.8  | 20.4  | 60.4  |       |

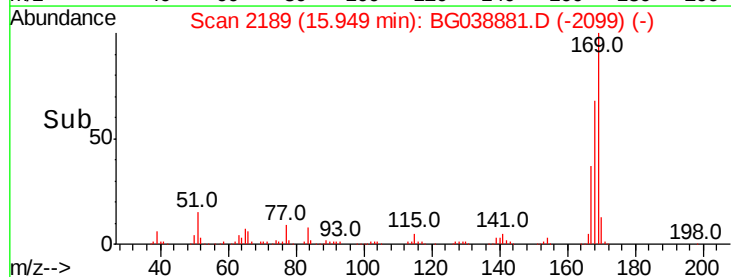
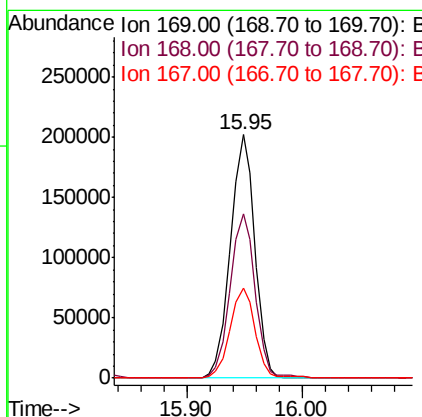
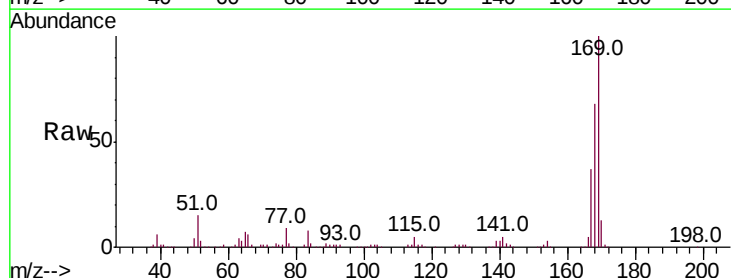
Manual Integrations  
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#66  
n-Nitrosodiphenylamine  
Concen: 52.122 ng  
RT: 15.95 min Scan# 2189  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 169     | 100   | 295449 |       |       |
| 168     | 67.6  | 57.5   | 86.3  |       |
| 167     | 36.9  | 30.2   | 45.2  |       |





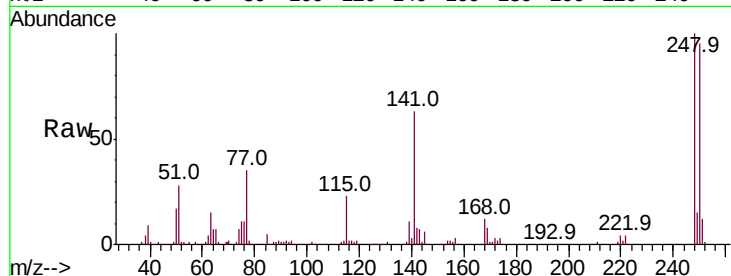
#67  
4-Bromophenyl-phenylether  
Concen: 52.459 ng  
RT: 16.62 min Scan# 2304  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 248     | 100   | 123600 |       |       |
| 250     | 94.5  | 73.4   | 110.2 |       |
| 141     | 63.2  | 52.9   | 79.3  |       |

Manual Integrations  
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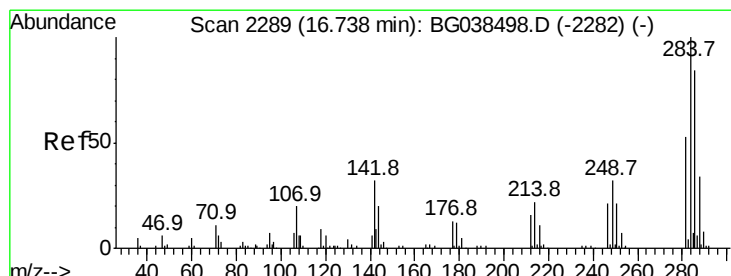
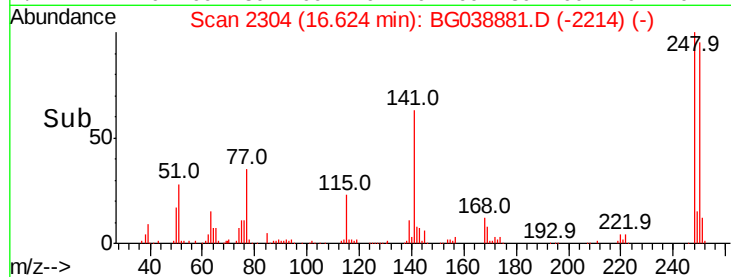
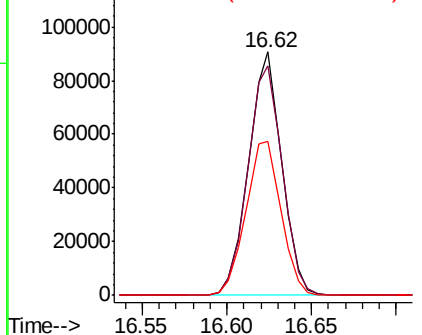


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
Hexachlorobenzene  
Concen: 53.912 ng  
RT: 16.74 min Scan# 2324  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

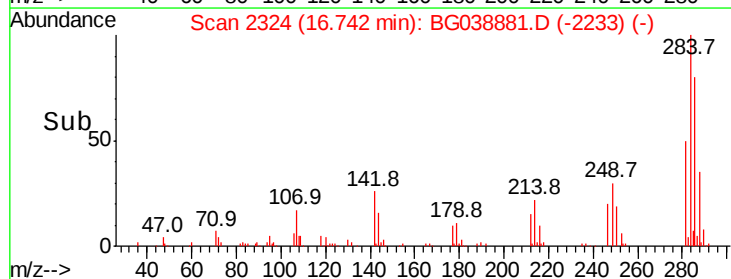
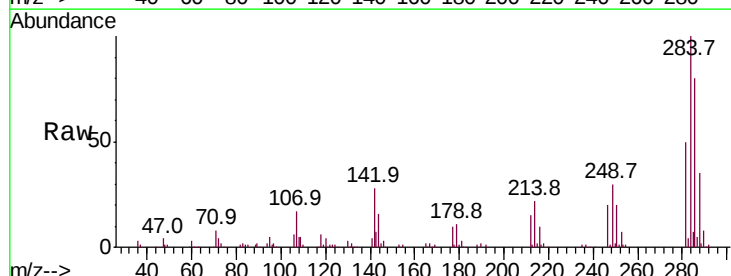
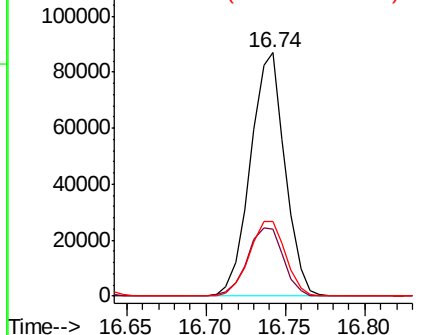
| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 284     | 100   | 131673 |       |       |
| 142     | 27.6  | 25.8   | 38.6  |       |
| 249     | 32.9  | 27.0   | 40.4  |       |

Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





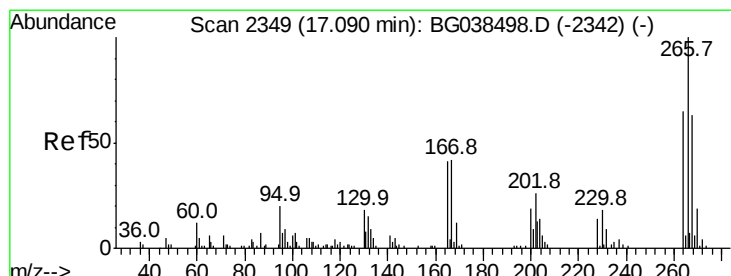
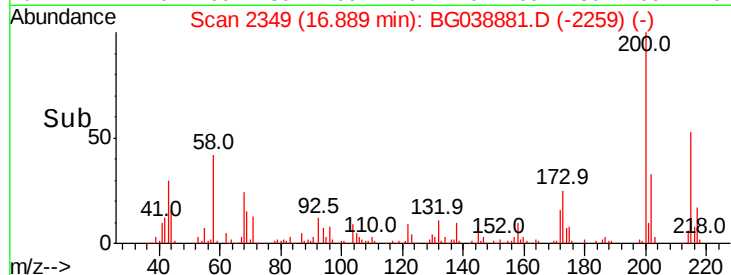
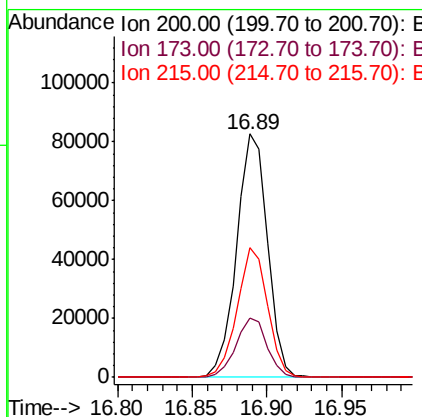
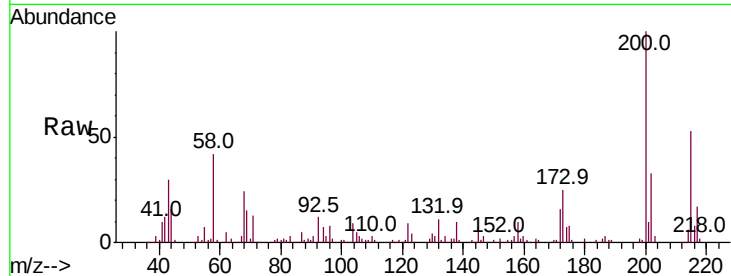
#69  
 Atrazine  
 Concen: 56.497 ng  
 RT: 16.89 min Scan# 2349  
 Delta R.T. -0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 24.6  | 5.9   | 45.9  |
| 215     | 53.4  | 33.1  | 73.1  |

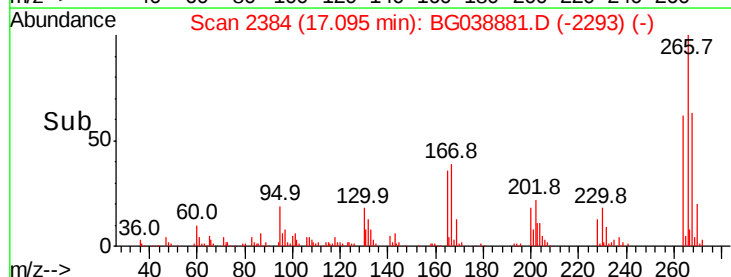
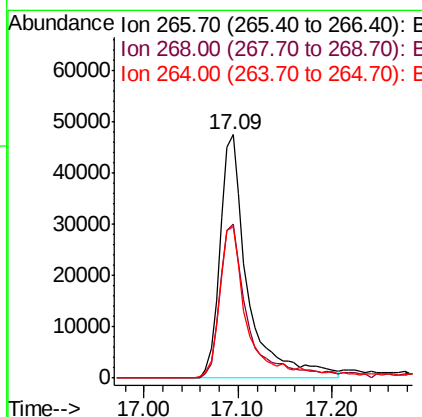
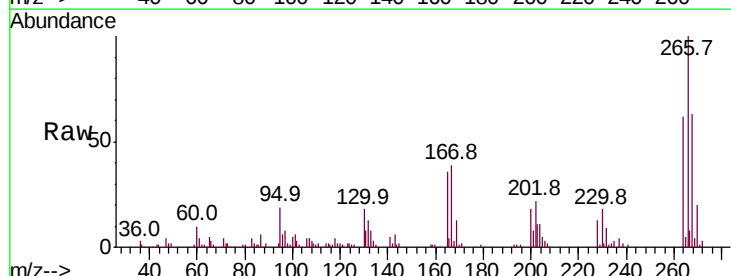
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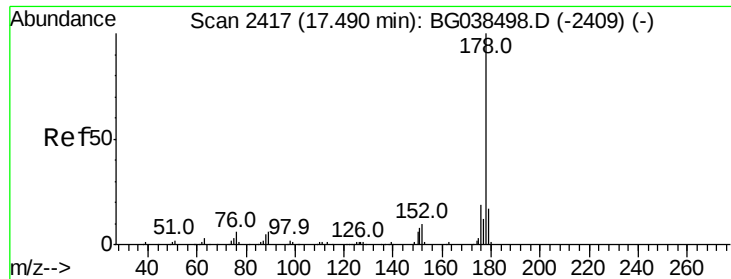
Sohil  
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#70  
 Pentachlorophenol  
 Concen: 67.362 ng  
 RT: 17.09 min Scan# 2384  
 Delta R.T. 0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 67.7  | 55.0  | 82.6  |
| 264     | 62.4  | 56.7  | 85.1  |





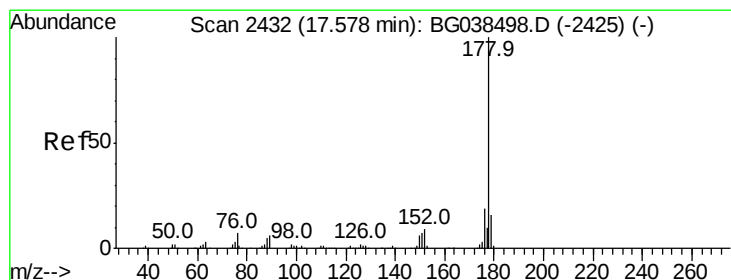
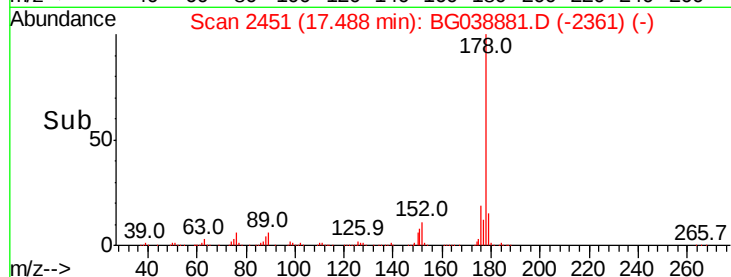
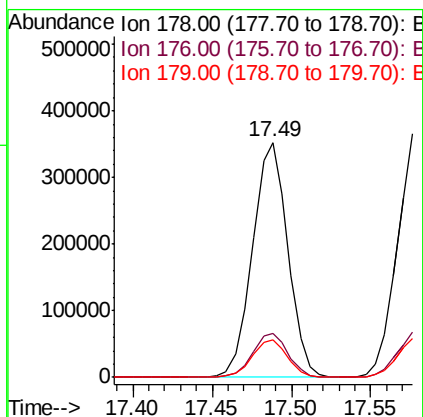
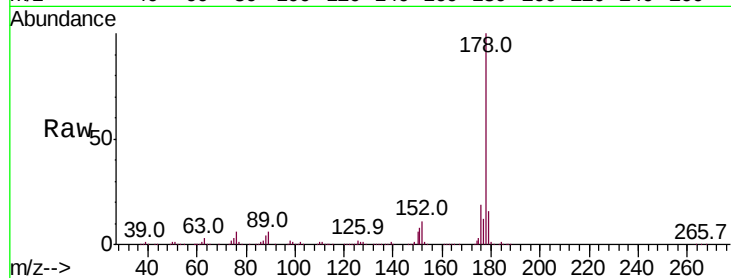
#71  
Phenanthrene  
Concen: 54.427 ng  
RT: 17.49 min Scan# 2451  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.0  | 15.1  | 22.7  |
| 179     | 15.8  | 13.2  | 19.8  |

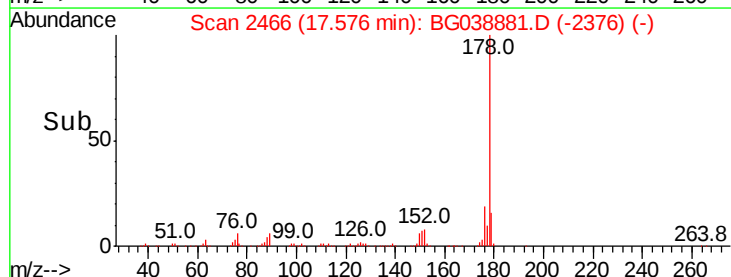
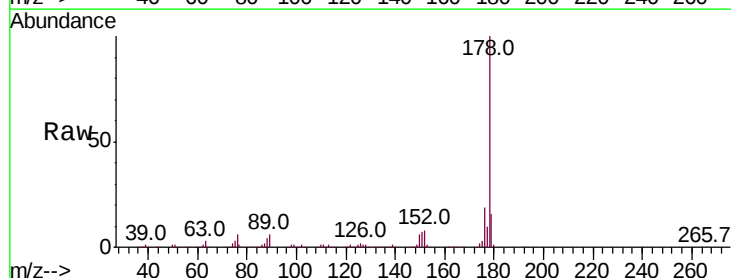
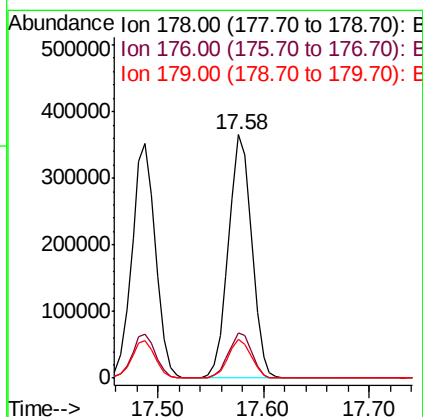
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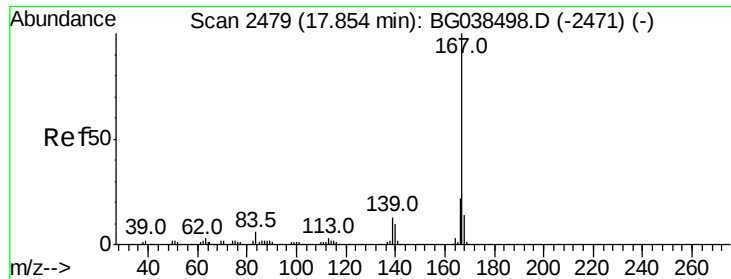
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#72  
Anthracene  
Concen: 56.131 ng  
RT: 17.58 min Scan# 2466  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.7  | 15.1  | 22.7  |
| 179     | 16.0  | 12.9  | 19.3  |





#73

Carbazole

Concen: 48.987 ng

RT: 17.85 min Scan# 2513

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

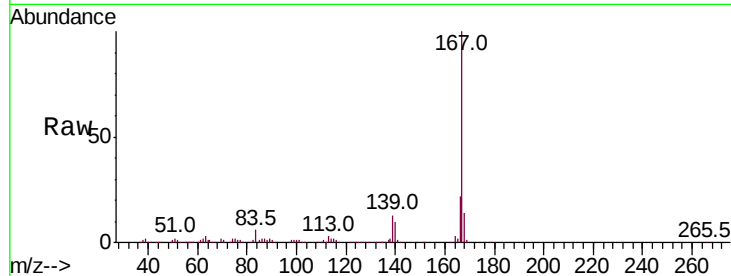
ClientSampleId :

CL-02-122718-AMSD

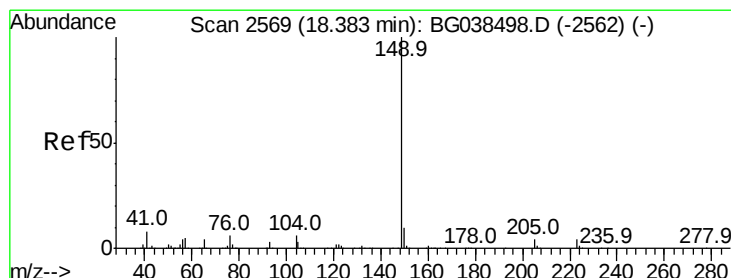
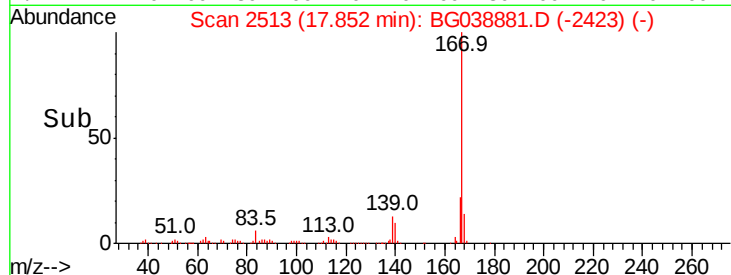
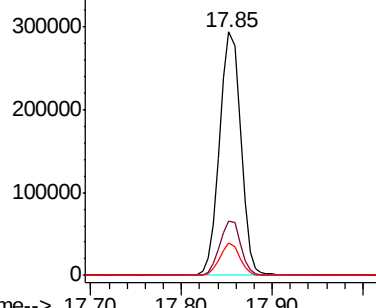
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 478473 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 22.4  | 17.9  | 26.9   |
| 139       | 13.2  | 10.2  | 15.2   |

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Abundance Ion 167.00 (166.70 to 167.70): E  
Ion 166.00 (165.70 to 166.70): E  
Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 49.323 ng

RT: 18.38 min Scan# 2603

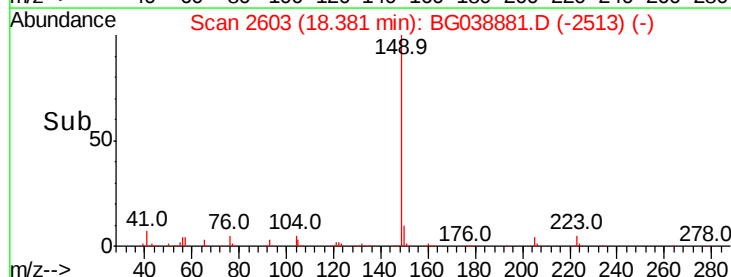
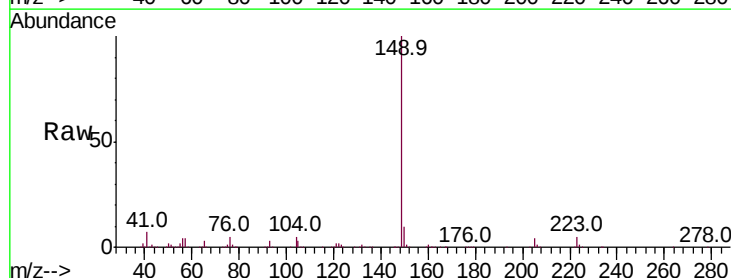
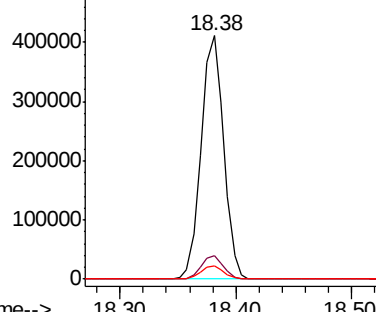
Delta R.T. -0.00 min

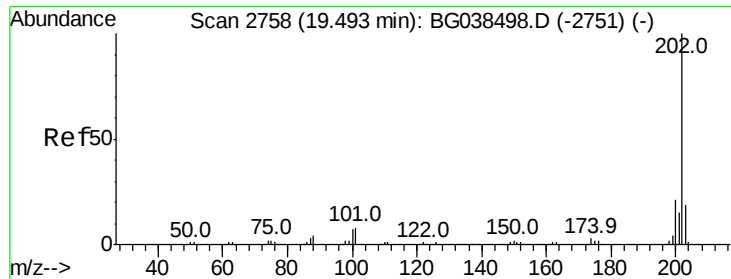
Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 552798 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.5   | 7.6   | 11.4   |
| 104       | 5.4   | 5.0   | 7.4    |

Abundance Ion 149.00 (148.70 to 149.70): E  
Ion 150.00 (149.70 to 150.70): E  
Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 53.071 ng

RT: 19.49 min Scan# 2792

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

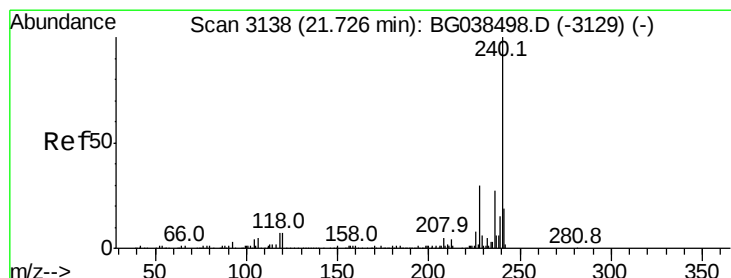
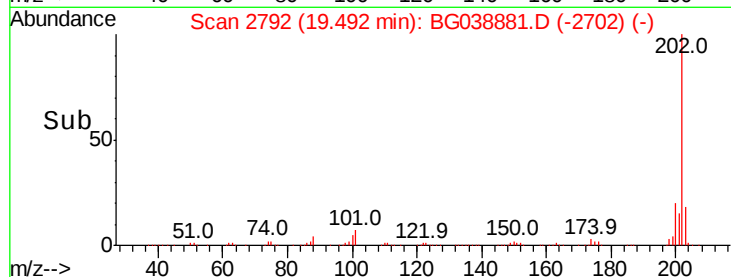
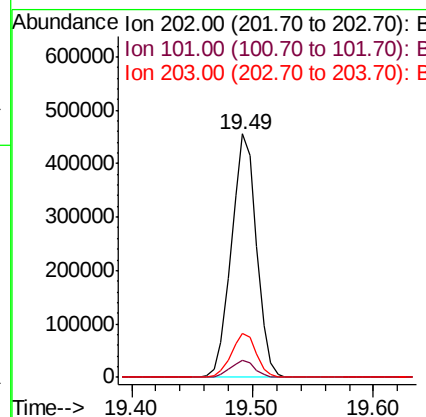
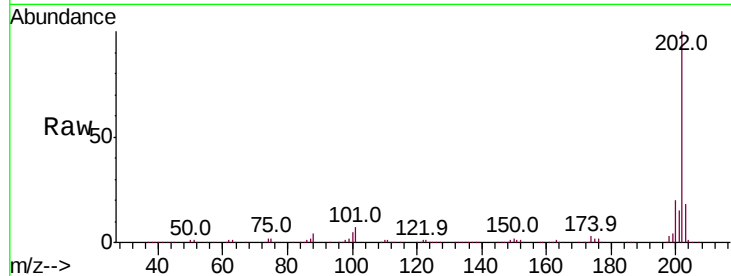
ClientSampleId :

CL-02-122718-AMSD

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 656913 |       |       |
| 101     | 6.8   |        | 0.0   | 28.1  |
| 203     | 18.1  |        | 0.0   | 39.0  |

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#76

Chrysene-d12

Concen: 20.000 ng

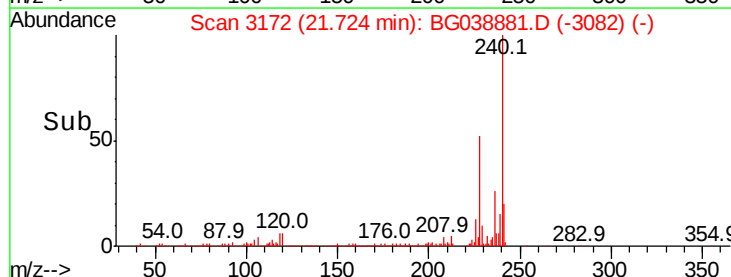
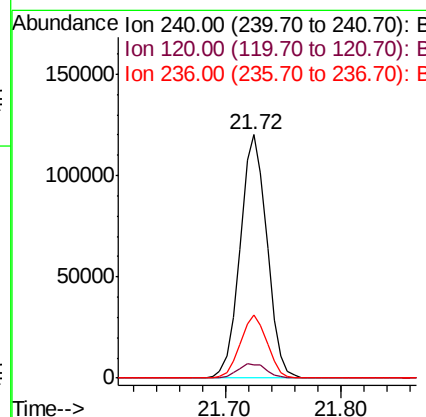
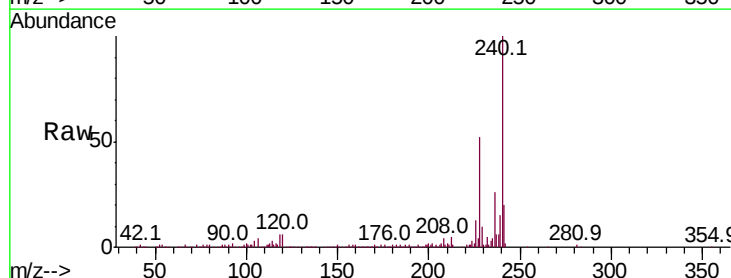
RT: 21.72 min Scan# 3172

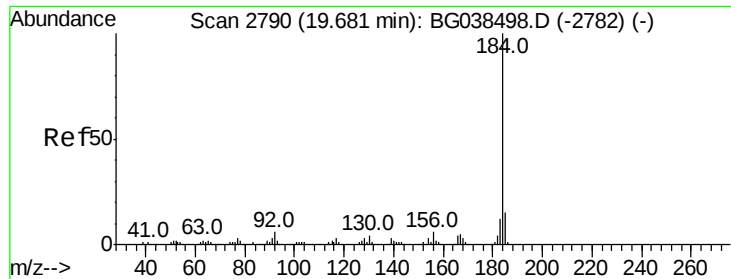
Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 192639 |       |       |
| 120     | 5.6   |        | 5.3   | 7.9   |
| 236     | 25.7  |        | 21.4  | 32.2  |





#77

Benzidine

Concen: 15.803 ng

RT: 19.68 min Scan# 2824

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

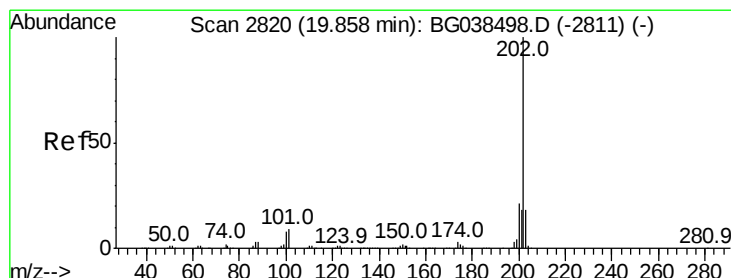
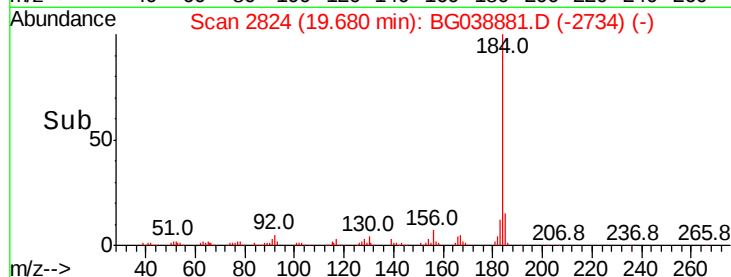
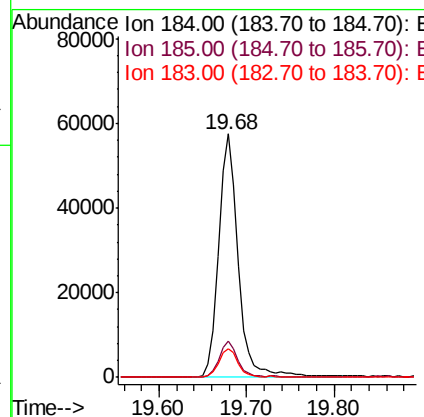
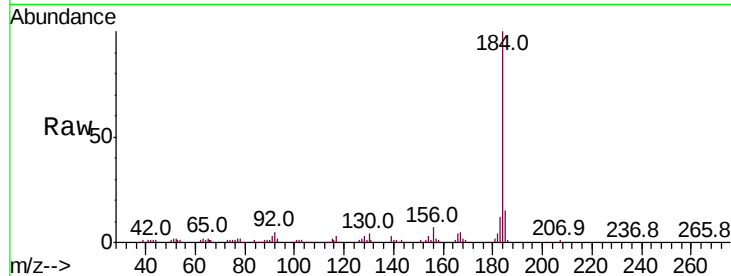
ClientSampleId :

CL-02-122718-AMSD

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 184   | Resp: | 90032 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.7  | 12.2  | 18.2  |
| 183       | 11.8  | 9.6   | 14.4  |

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#78

Pyrene

Concen: 51.913 ng

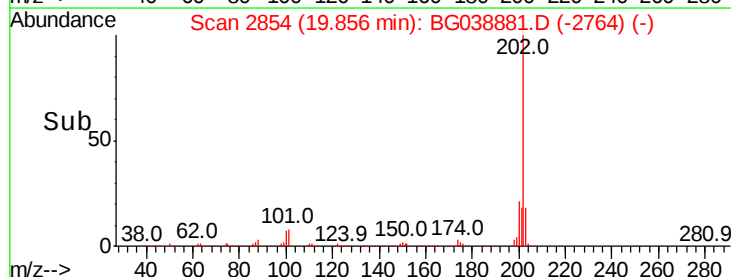
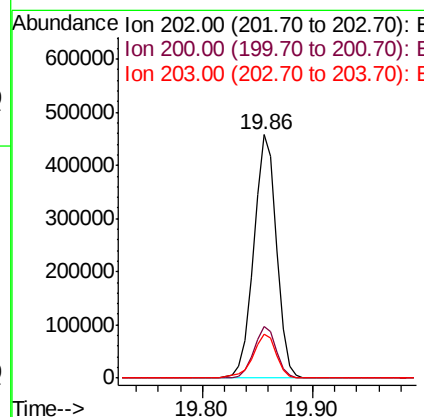
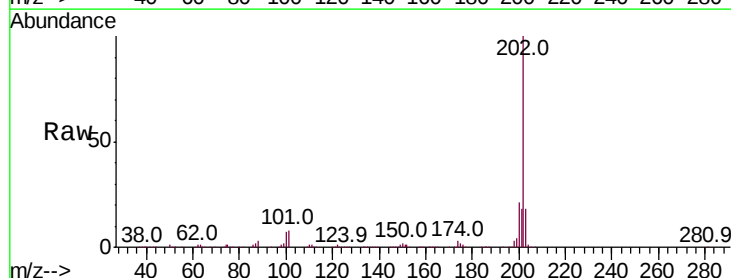
RT: 19.86 min Scan# 2854

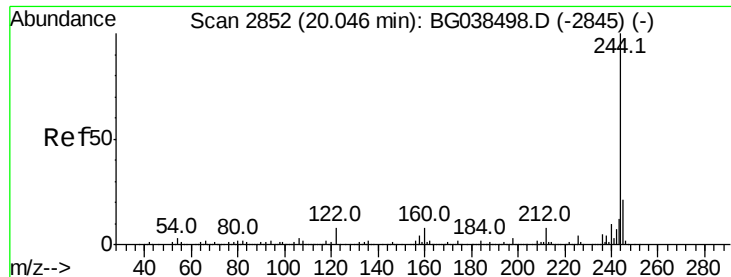
Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 660663 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.1  | 16.6  | 25.0   |
| 203       | 18.1  | 14.6  | 21.8   |





#79

Terphenyl-d14

Concen: 112.636 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

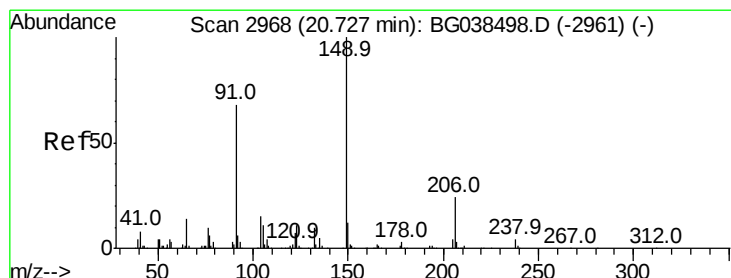
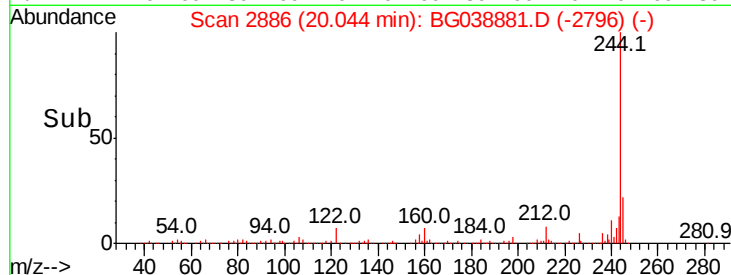
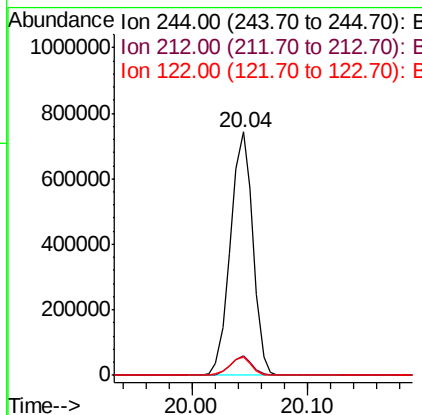
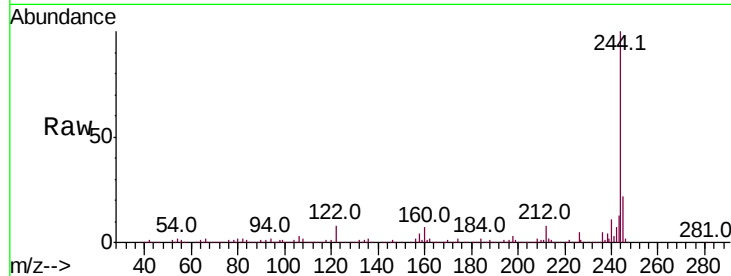
ClientSampleId :

CL-02-122718-AMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 997006 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.1   | 6.2   | 9.2    |
| 122       | 7.5   | 6.3   | 9.5    |

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#80

Butylbenzylphthalate

Concen: 50.188 ng

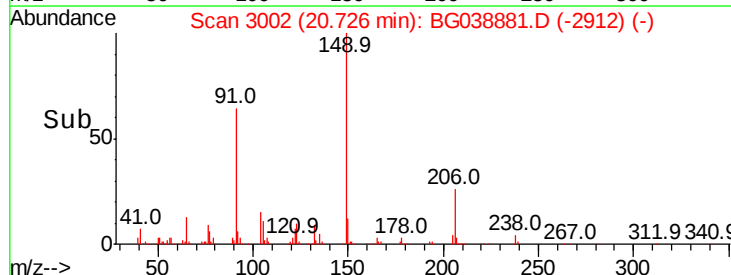
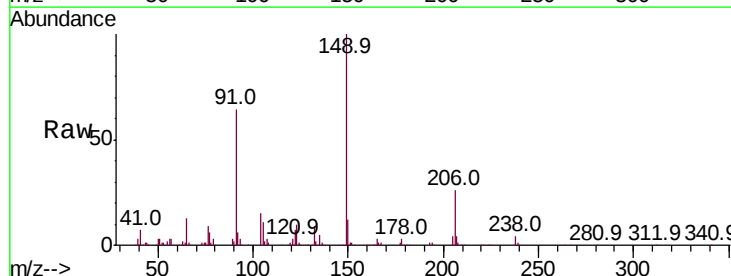
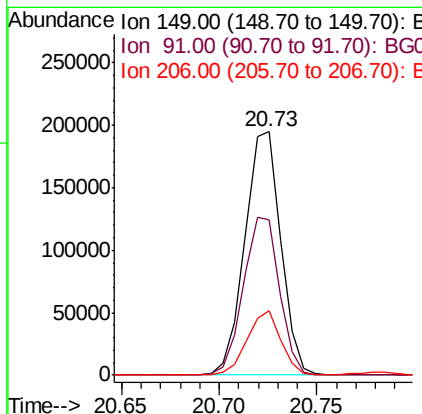
RT: 20.73 min Scan# 3002

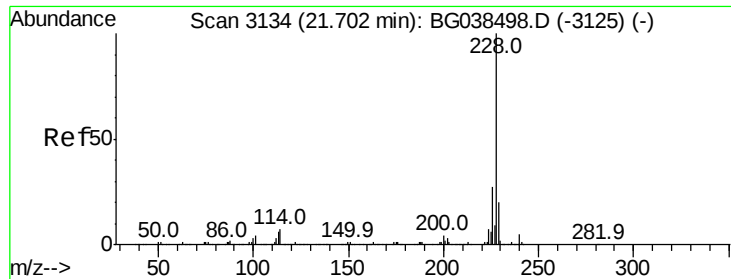
Delta R.T. -0.00 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 249534 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 63.6  | 54.5  | 81.7   |
| 206       | 26.3  | 19.0  | 28.6   |





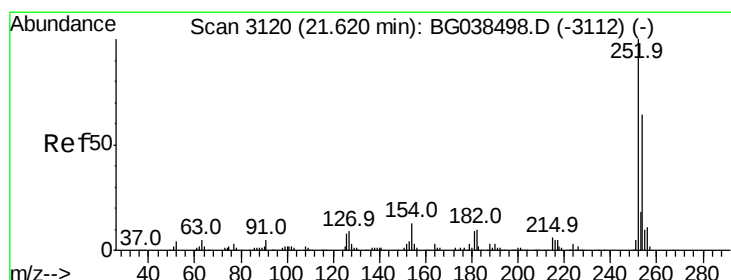
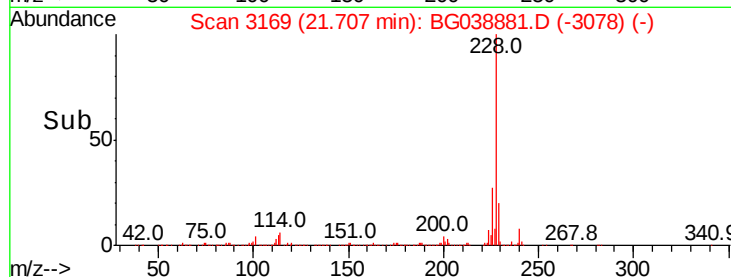
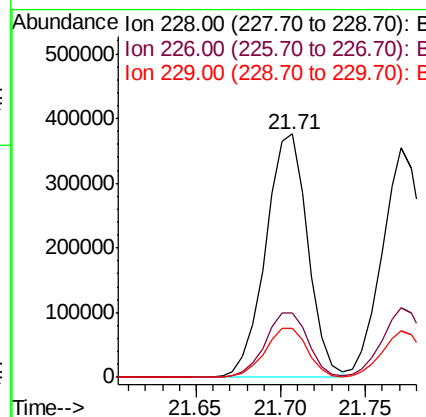
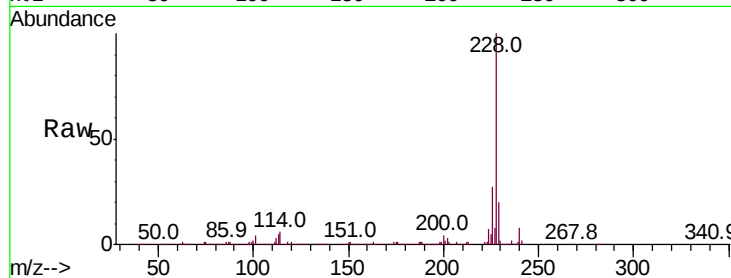
#81  
Benzo(a)anthracene  
Concen: 55.361 ng  
RT: 21.71 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 228     | 100   |       |       |
| 226     | 26.7  | 21.8  | 32.8  |
| 229     | 20.2  | 15.8  | 23.6  |

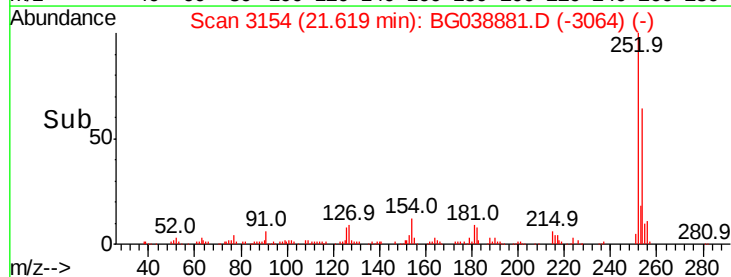
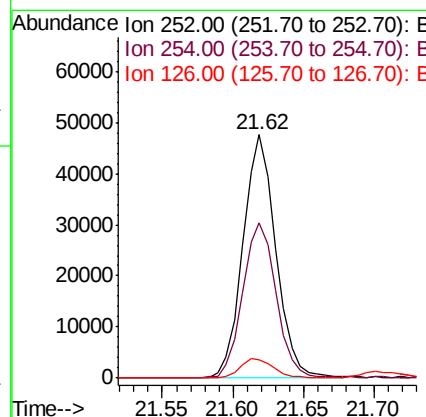
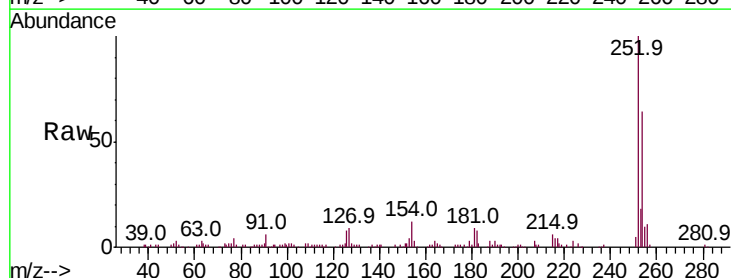
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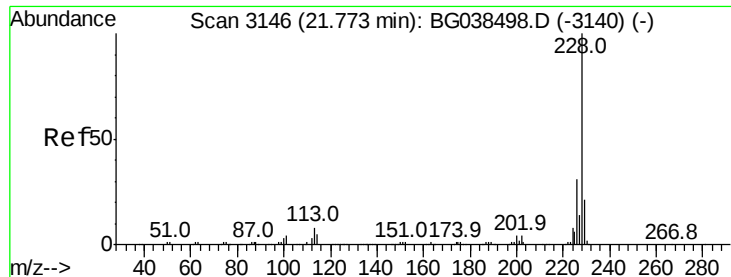
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#82  
3,3'-Dichlorobenzidine  
Concen: 16.648 ng  
RT: 21.62 min Scan# 3154  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 254     | 63.7  | 50.9  | 76.3  |
| 126     | 7.7   | 6.3   | 9.5   |





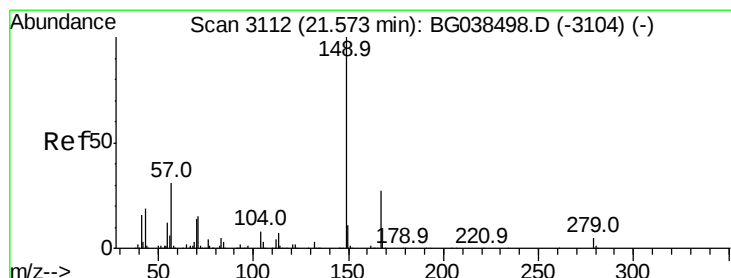
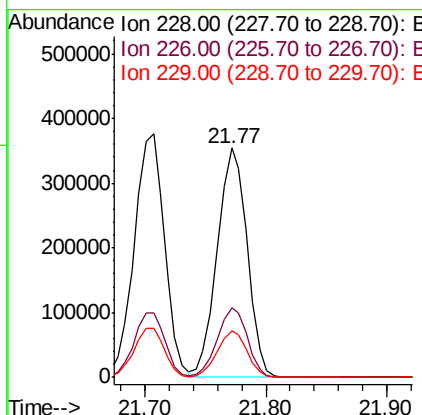
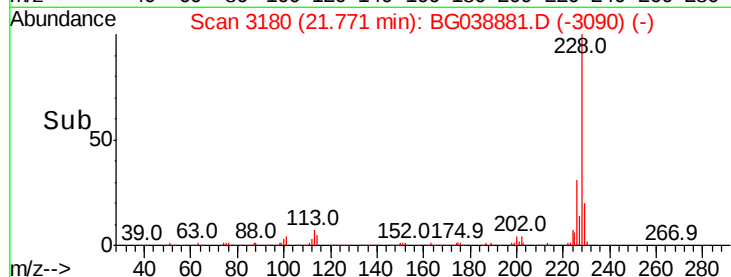
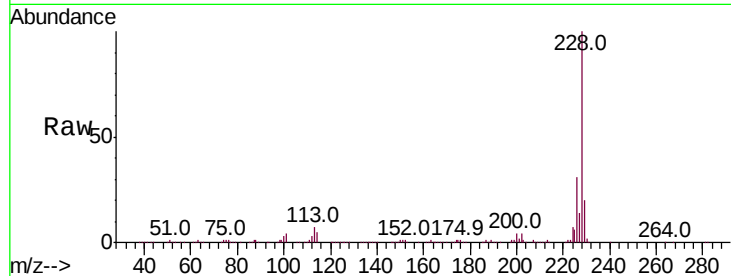
#83  
 Chrysene  
 Concen: 53.533 ng  
 RT: 21.77 min Scan# 3180  
 Delta R.T. -0.00 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

Instrument :  
 BNA\_G  
 ClientSampleId :  
 CL-02-122718-AMSD

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 605268 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.5  | 25.0  | 37.4   |
| 229       | 20.2  | 16.5  | 24.7   |

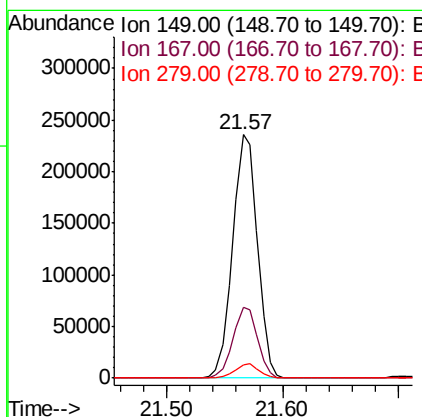
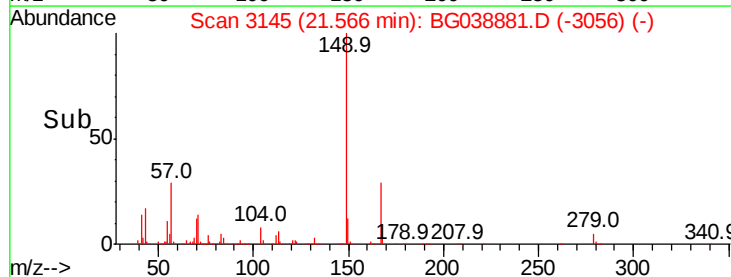
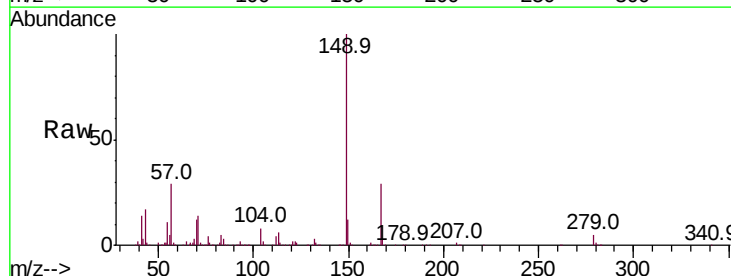
Manual Integrations  
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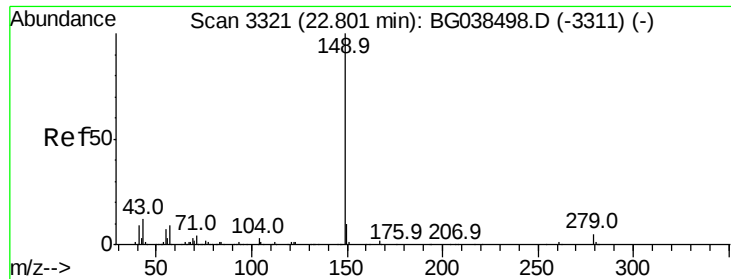
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 49.651 ng  
 RT: 21.57 min Scan# 3145  
 Delta R.T. -0.01 min  
 Lab File: BG038881.D  
 Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 350121 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 29.3  | 21.9  | 32.9   |
| 279       | 5.3   | 4.2   | 6.2    |





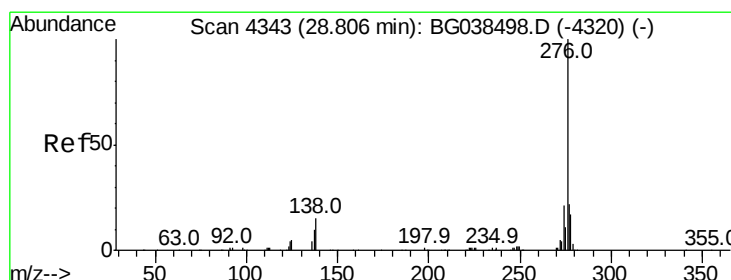
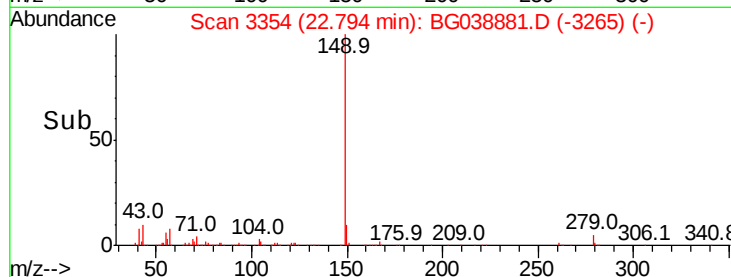
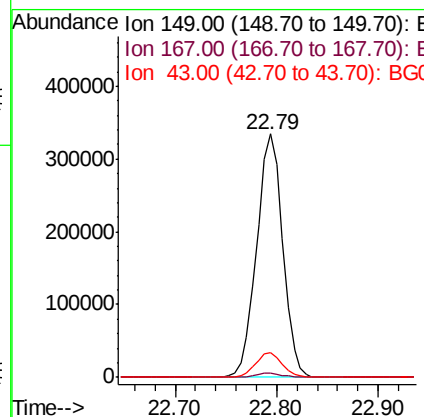
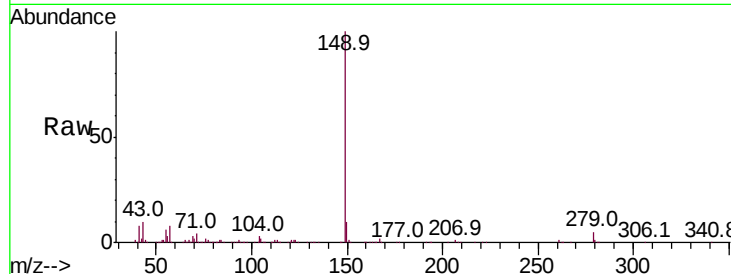
#85  
Di-n-octyl phthalate  
Concen: 50.435 ng  
RT: 22.79 min Scan# 3354  
Delta R.T. -0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 149     | 100   |      |       |       |
| 167     | 1.8   | 1.2  | 1.8   |       |
| 43      | 10.2  | 9.3  | 13.9  |       |

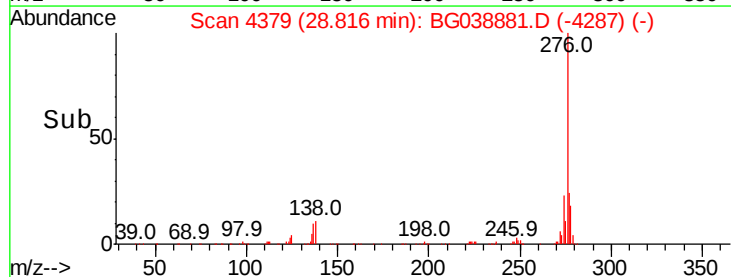
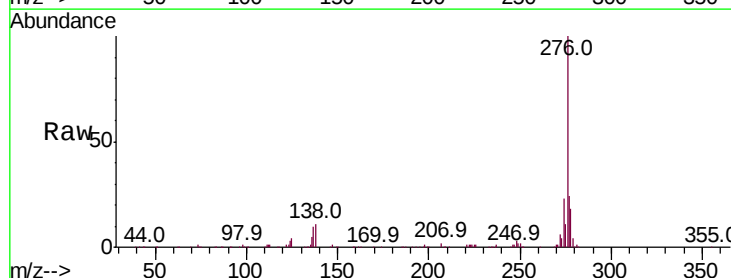
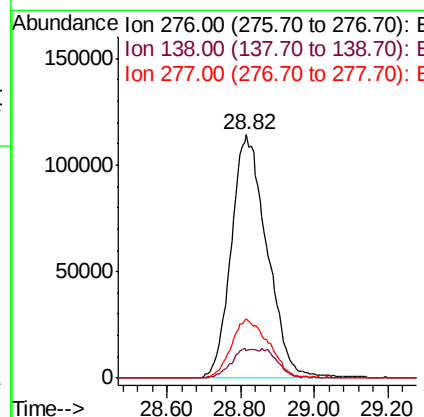
Manual Integrations  
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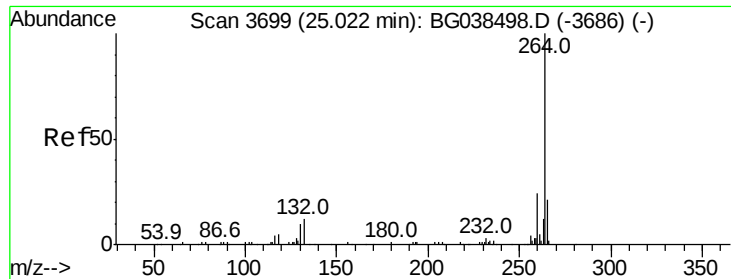
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1/2/2019 3:30:31 PM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 57.833 ng  
RT: 28.82 min Scan# 4379  
Delta R.T. 0.01 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 276     | 100   |      |       |       |
| 138     | 5.5   | 14.4 | 21.6# |       |
| 277     | 25.4  | 0.0  | 0.0#  |       |





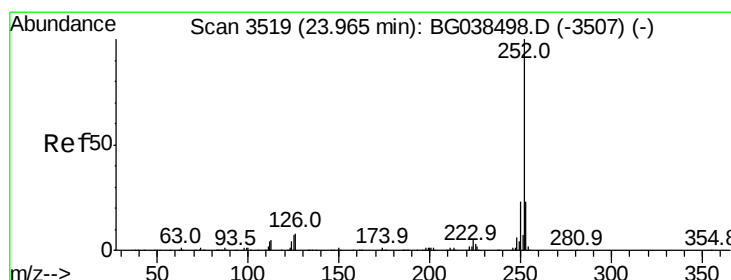
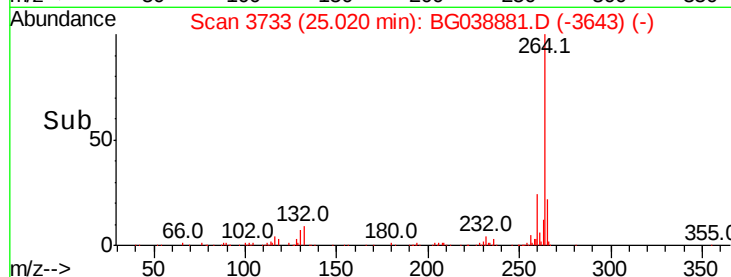
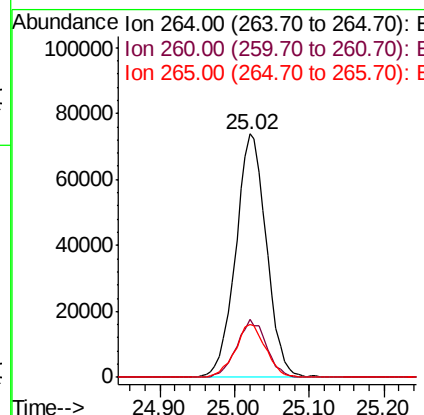
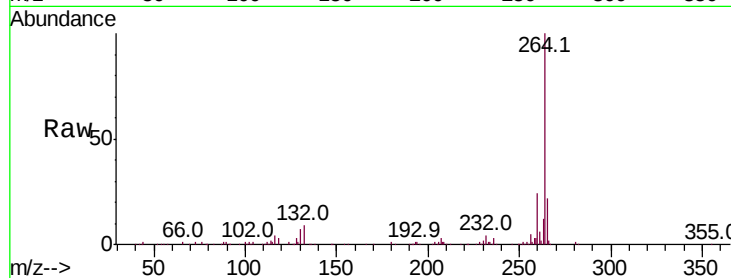
#87  
Pervlene-d12  
Concen: 20.000 ng  
RT: 25.02 min Scan# 3733  
Delta R.T. -0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.1  | 18.9  | 28.3  |
| 265     | 21.8  | 17.0  | 25.4  |

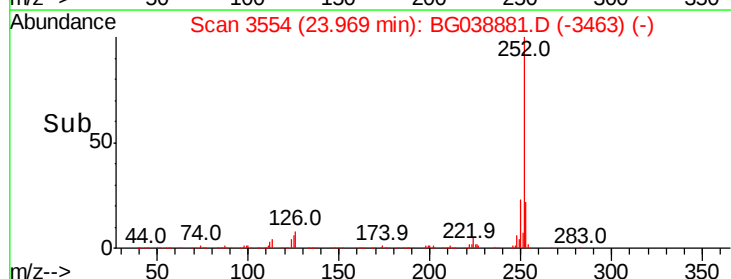
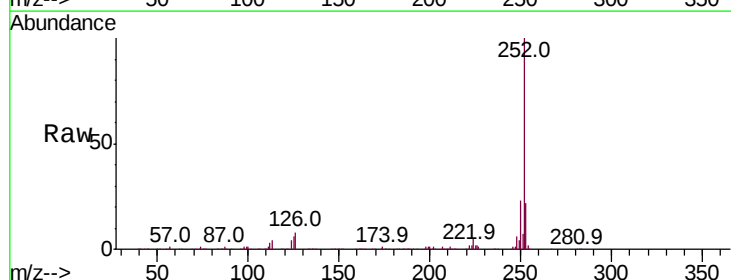
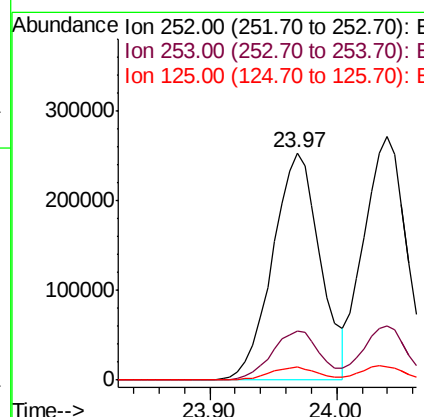
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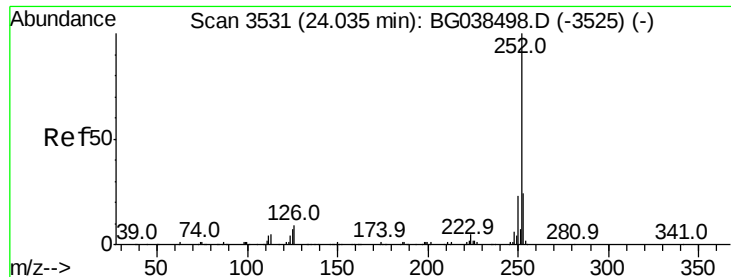
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#88  
Benzo(b)fluoranthene  
Concen: 57.404 ng  
RT: 23.97 min Scan# 3554  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 21.9  | 18.1  | 27.1  |
| 125     | 6.0   | 5.5   | 8.3   |





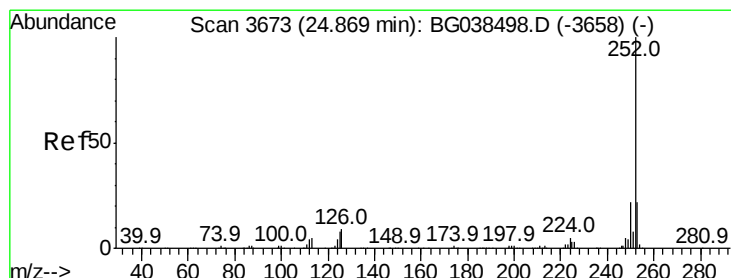
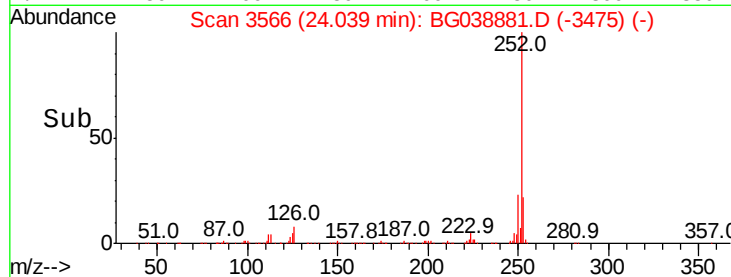
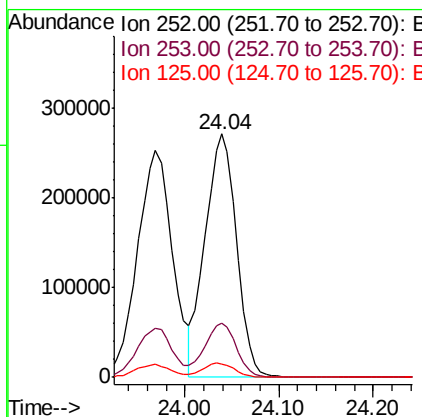
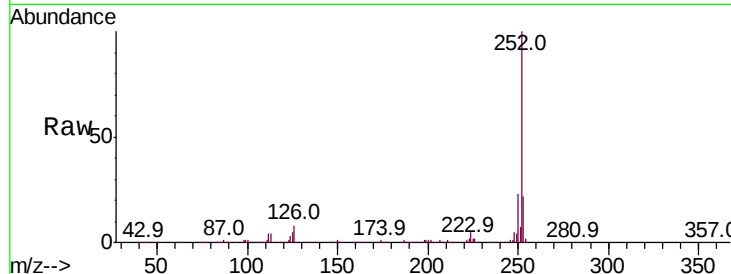
#89  
Benzo(k)fluoranthene  
Concen: 55.255 ng  
RT: 24.04 min Scan# 3566  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

Instrument :  
BNA\_G  
ClientSampleId :  
CL-02-122718-AMSD

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.1  | 18.9  | 28.3  |
| 125     | 5.5   | 5.4   | 8.2   |

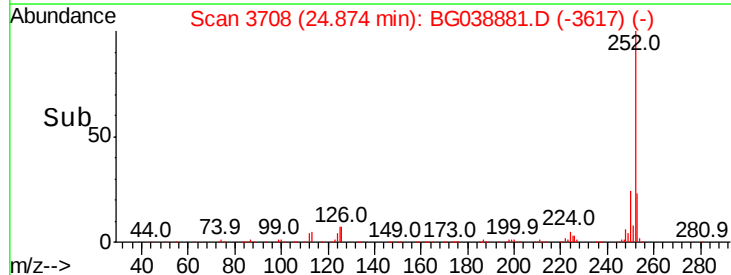
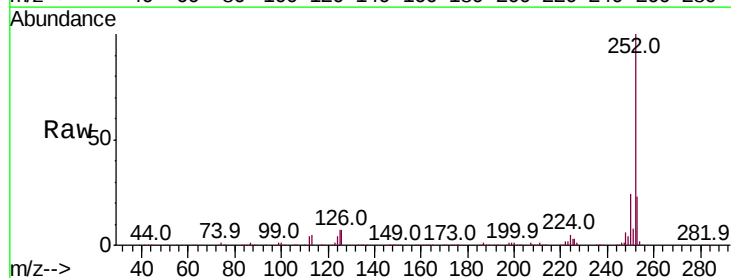
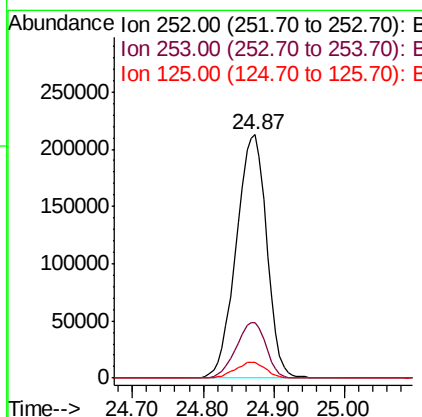
Manual Integrations  
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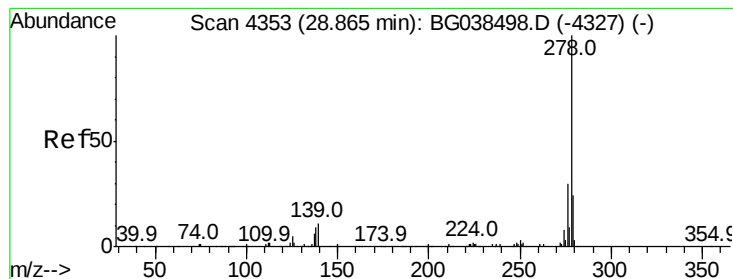
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#90  
Benzo(a)pyrene  
Concen: 57.257 ng  
RT: 24.87 min Scan# 3708  
Delta R.T. 0.00 min  
Lab File: BG038881.D  
Acq: 28 Dec 2018 19:50

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.6  | 17.4  | 26.0  |
| 125     | 6.7   | 6.4   | 9.6   |





#91

Dibenzo(a,h)anthracene

Concen: 57.367 ng

RT: 28.88 min Scan# 4390

Delta R.T. 0.02 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

Instrument :

BNA\_G

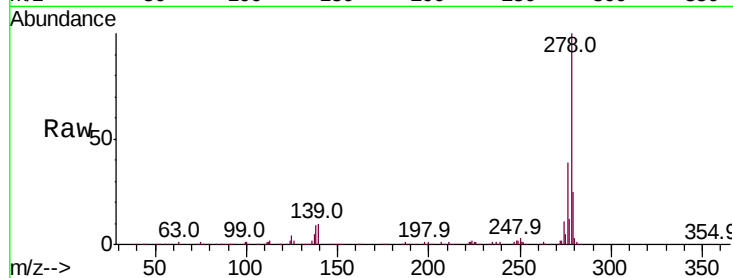
ClientSampleId :

CL-02-122718-AMSD

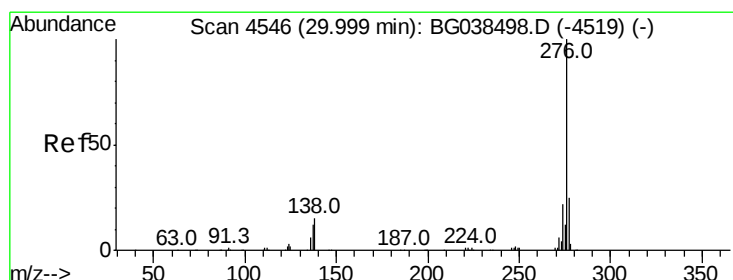
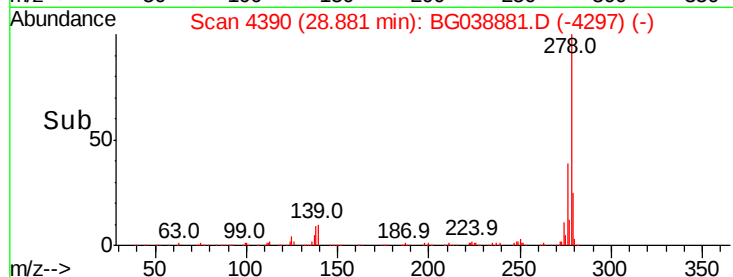
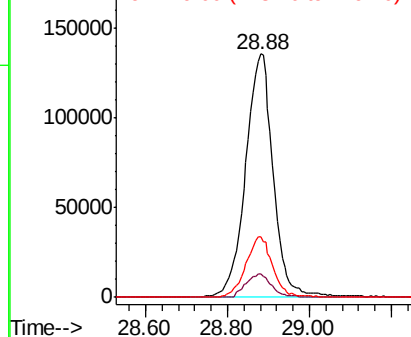
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 278   | Resp: | 634561 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 9.6   | 8.6   | 12.8   |
| 279       | 24.8  | 19.0  | 28.6   |

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Abundance Ion 278.00 (277.70 to 278.70): E  
Ion 139.00 (138.70 to 139.70): E  
Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 57.970 ng

RT: 30.01 min Scan# 4583

Delta R.T. 0.02 min

Lab File: BG038881.D

Acq: 28 Dec 2018 19:50

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 631929 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 277       | 23.6  | 19.8  | 29.8   |
| 138       | 13.0  | 11.8  | 17.6   |

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

