

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121018\  
 Data File : BG038467.D  
 Acq On : 11 Dec 2018 12:01  
 Operator : JU/SJ  
 Sample : PB115480BS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

Manual Integrations  
 APPROVED

Sohil  
 12/11/2018 6:07:28 PM

Quant Time: Dec 11 15:28:36 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 17:15:40 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.07  | 152  | 23134    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.89 | 136  | 103463   | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.70 | 164  | 69441    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.45 | 188  | 184526   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.74 | 240  | 231755   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.04 | 264  | 187607   | 20.00 | ng    | -0.01    |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.62  | 112 | 168659 | 129.02 | ng | 0.00 |
| 7) Phenol-d6             | 7.22  | 99  | 233161 | 123.40 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.25  | 82  | 147474 | 70.77  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.20 | 330 | 105666 | 123.95 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.32 | 172 | 362947 | 74.48  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.05 | 244 | 855340 | 79.06  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.50  | 88  | 18588  | 31.024 | ng | # 95   |
| 3) Pyridine                    | 3.91  | 79  | 56634  | 31.596 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 30428  | 38.754 | ng | 84     |
| 6) Aniline                     | 7.40  | 93  | 34500  | 14.296 | ng | 97     |
| 8) 2-Chlorophenol              | 7.62  | 128 | 58147  | 38.299 | ng | 98     |
| 9) Benzaldehyde                | 7.21  | 77  | 22542  | 18.841 | ng | 94     |
| 10) Phenol                     | 7.25  | 94  | 74682  | 37.410 | ng | 89     |
| 11) bis(2-Chloroethyl)ether    | 7.49  | 93  | 53649  | 32.814 | ng | 96     |
| 12) 1,3-Dichlorobenzene        | 7.95  | 146 | 56939  | 32.088 | ng | 96     |
| 13) 1,4-Dichlorobenzene        | 8.11  | 146 | 59749  | 32.543 | ng | 98     |
| 14) 1,2-Dichlorobenzene        | 8.42  | 146 | 56494  | 31.744 | ng | 99     |
| 15) Benzyl Alcohol             | 8.31  | 79  | 52055  | 33.511 | ng | 88     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.59  | 45  | 121647 | 32.711 | ng | 95     |
| 17) 2-Methylphenol             | 8.51  | 107 | 52343  | 37.008 | ng | 95     |
| 18) Hexachloroethane           | 9.15  | 117 | 21839  | 32.958 | ng | 96     |
| 19) n-Nitroso-di-n-propylamine | 8.87  | 70  | 45128  | 32.272 | ng | 90     |
| 20) 3+4-Methylphenols          | 8.83  | 107 | 71944  | 35.772 | ng | 94     |
| 22) Acetophenone               | 8.90  | 105 | 87600  | 34.734 | ng | # 95   |
| 24) Nitrobenzene               | 9.29  | 77  | 68810  | 32.500 | ng | 97     |
| 25) Isophorone                 | 9.80  | 82  | 129476 | 35.354 | ng | 98     |
| 26) 2-Nitrophenol              | 10.00 | 139 | 34489  | 35.156 | ng | # 91   |
| 27) 2,4-Dimethylphenol         | 10.05 | 122 | 61417  | 43.587 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.28 | 93  | 75994  | 36.197 | ng | 99     |
| 29) 2,4-Dichlorophenol         | 10.53 | 162 | 65373  | 40.643 | ng | 95     |
| 30) 1,2,4-Trichlorobenzene     | 10.74 | 180 | 64830  | 34.335 | ng | 98     |
| 31) Naphthalene                | 10.94 | 128 | 183026 | 37.034 | ng | 99     |
| 32) Benzoic acid               | 10.26 | 122 | 4187m  | 8.527  | ng |        |
| 33) 4-Chloroaniline            | 11.06 | 127 | 10418  | 4.762  | ng | # 94   |
| 34) Hexachlorobutadiene        | 11.20 | 225 | 41753  | 35.347 | ng | 97     |
| 35) Caprolactam                | 11.83 | 113 | 23990  | 36.067 | ng | 97     |
| 36) 4-Chloro-3-methylphenol    | 12.16 | 107 | 106239 | 59.447 | ng | 99     |
| 37) 2-Methylnaphthalene        | 12.54 | 142 | 168195 | 47.788 | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.75 | 142 | 133813 | 39.696 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.90 | 216 | 81424  | 34.076 | ng | 98     |

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 Sample : PB115480BS  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

Manual Integrations  
 APPROVED

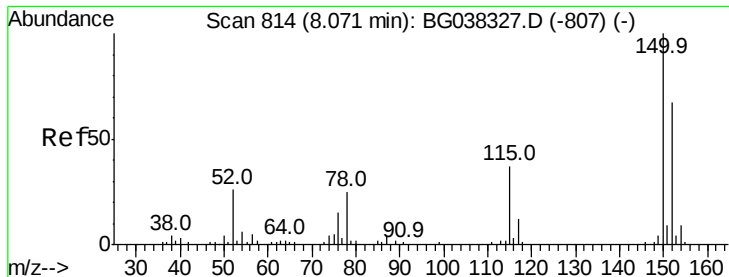
Sohil  
 12/11/2018 6:07:28 PM

Quant Time: Dec 11 15:28:36 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG120418.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Dec 04 17:15:40 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.87 | 237  | 100891   | 76.834 | nq    | 97       |
| 43) 2,4,6-Trichlorophenol      | 13.14 | 196  | 56446    | 36.467 | nq    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.21 | 196  | 64475    | 39.319 | nq    | 97       |
| 46) 1,1'-Biphenyl              | 13.54 | 154  | 186640   | 31.797 | nq    | 96       |
| 47) 2-Chloronaphthalene        | 13.59 | 162  | 148809   | 33.596 | nq    | 99       |
| 48) 2-Nitroaniline             | 13.80 | 65   | 53044    | 35.696 | nq    | 98       |
| 49) Acenaphthylene             | 14.43 | 152  | 249770   | 37.442 | nq    | 97       |
| 50) Dimethylphthalate          | 14.15 | 163  | 205108   | 36.825 | nq    | 99       |
| 51) 2,6-Dinitrotoluene         | 14.29 | 165  | 46783    | 36.770 | nq    | 98       |
| 52) Acenaphthene               | 14.77 | 154  | 142570   | 35.057 | nq    | 99       |
| 53) 3-Nitroaniline             | 14.62 | 138  | 20012    | 14.605 | nq    | # 96     |
| 54) 2,4-Dinitrophenol          | 14.83 | 184  | 4247     | 6.089  | nq    | 96       |
| 55) Dibenzofuran               | 15.10 | 168  | 244613   | 36.383 | nq    | 98       |
| 56) 4-Nitrophenol              | 14.92 | 139  | 54057    | 49.941 | nq    | # 79     |
| 57) 2,4-Dinitrotoluene         | 15.07 | 165  | 65254    | 37.186 | nq    | 96       |
| 58) Fluorene                   | 15.75 | 166  | 196302   | 39.631 | nq    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.32 | 232  | 52584    | 36.922 | nq    | 96       |
| 60) Diethylphthalate           | 15.50 | 149  | 216471   | 35.081 | nq    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.74 | 204  | 108492   | 36.466 | nq    | 96       |
| 62) 4-Nitroaniline             | 15.79 | 138  | 49984    | 37.088 | nq    | # 85     |
| 63) Azobenzene                 | 16.03 | 77   | 190789   | 35.329 | nq    | 93       |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198  | 9153     | 7.571  | nq    | 98       |
| 66) n-Nitrosodiphenylamine     | 15.96 | 169  | 180446   | 34.775 | nq    | 98       |
| 67) 4-Bromophenyl-phenylether  | 16.63 | 248  | 70864    | 35.562 | nq    | 97       |
| 68) Hexachlorobenzene          | 16.75 | 284  | 74491    | 36.242 | nq    | 99       |
| 69) Atrazine                   | 16.90 | 200  | 72761    | 37.579 | nq    | 98       |
| 70) Pentachlorophenol          | 17.10 | 266  | 32160    | 22.844 | nq    | 99       |
| 71) Phenanthrene               | 17.50 | 178  | 343877   | 37.212 | nq    | 98       |
| 72) Anthracene                 | 17.59 | 178  | 351346   | 39.261 | nq    | 99       |
| 73) Carbazole                  | 17.86 | 167  | 308293   | 34.710 | nq    | 99       |
| 74) Di-n-butylphthalate        | 18.39 | 149  | 372820   | 35.930 | nq    | 99       |
| 75) Fluoranthene               | 19.50 | 202  | 590311   | 54.675 | nq    | 100      |
| 77) Benzidine                  | 19.69 | 184  | 196453   | 25.120 | nq    | 98       |
| 78) Pyrene                     | 19.87 | 202  | 599230   | 36.954 | nq    | 98       |
| 80) Butylbenzylphthalate       | 20.73 | 149  | 256045   | 39.259 | nq    | 99       |
| 81) Benzo(a)anthracene         | 21.71 | 228  | 541618   | 38.025 | nq    | 98       |
| 82) 3,3'-Dichlorobenzidine     | 21.63 | 252  | 99805    | 18.012 | nq    | 98       |
| 83) Chrysene                   | 21.78 | 228  | 506496   | 37.576 | nq    | 98       |
| 84) Bis(2-ethylhexyl)phthalate | 21.58 | 149  | 357268   | 38.648 | nq    | 99       |
| 85) Di-n-octyl phthalate       | 22.81 | 149  | 589103   | 37.166 | nq    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.82 | 276  | 448222   | 29.260 | nq    | # 86     |
| 88) Benzo(b)fluoranthene       | 23.98 | 252  | 402316   | 37.953 | nq    | # 96     |
| 89) Benzo(k)fluoranthene       | 24.05 | 252  | 387065   | 36.662 | nq    | # 97     |
| 90) Benzo(a)pyrene             | 24.89 | 252  | 388735   | 37.806 | nq    | # 96     |
| 91) Dibenzo(a,h)anthracene     | 28.90 | 278  | 367061   | 37.639 | nq    | 96       |
| 92) Benzo(g,h,i)perylene       | 30.03 | 276  | 386497   | 39.946 | nq    | # 95     |

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





#1

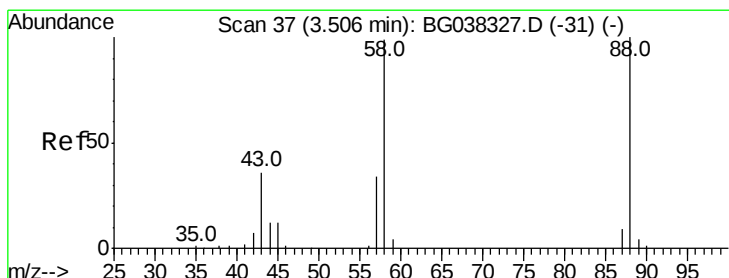
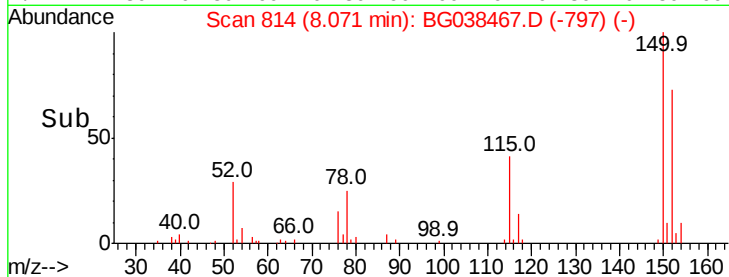
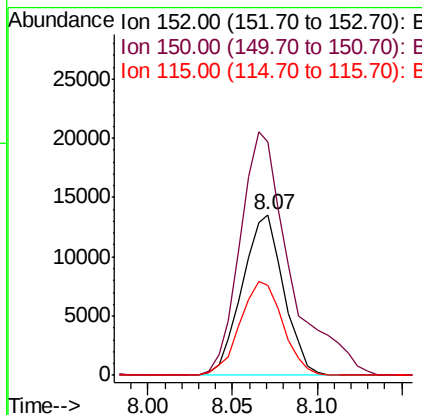
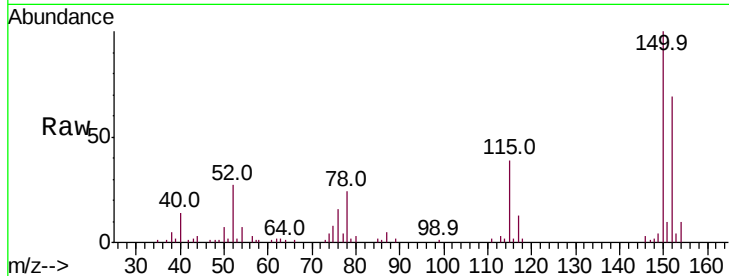
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.07 min Scan# 814  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampled :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 144.9 | 126.0 | 189.0 |
| 115     | 56.1  | 45.5  | 68.3  |

Manual Integrations  
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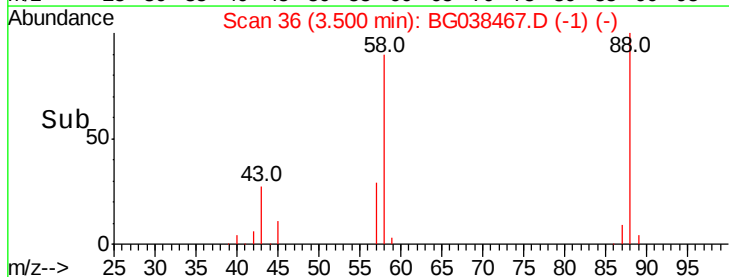
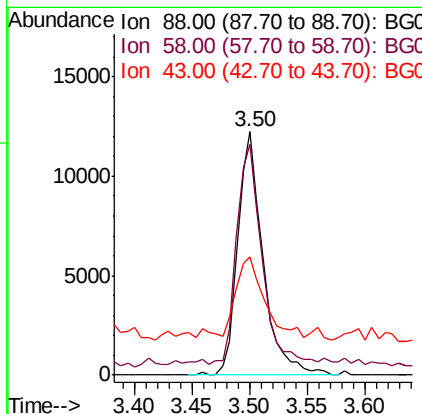
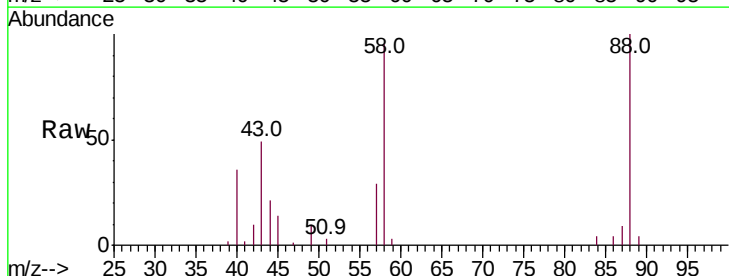
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12/11/2018 6:07:28 PM

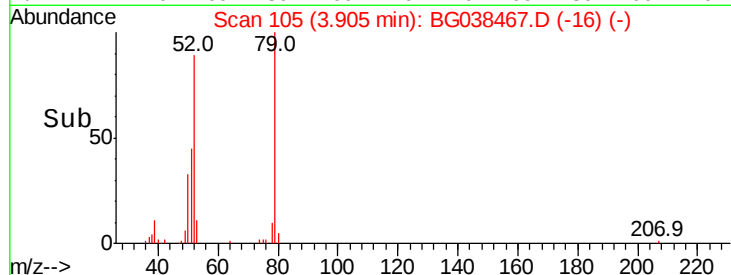
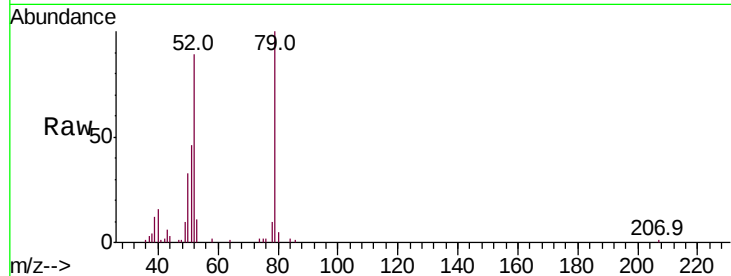
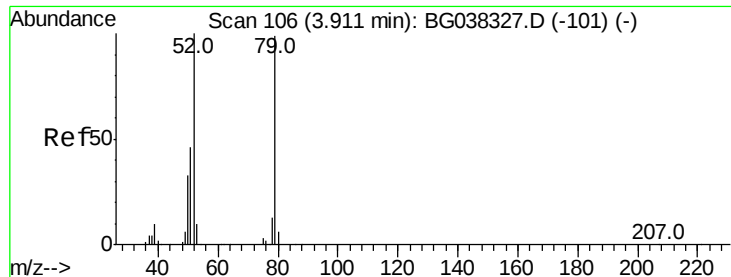


#2

1,4-Dioxane  
Concen: 31.024 ng  
RT: 3.50 min Scan# 36  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 90.1  | 74.4  | 111.6 |
| 43      | 38.8  | 25.8  | 38.8# |





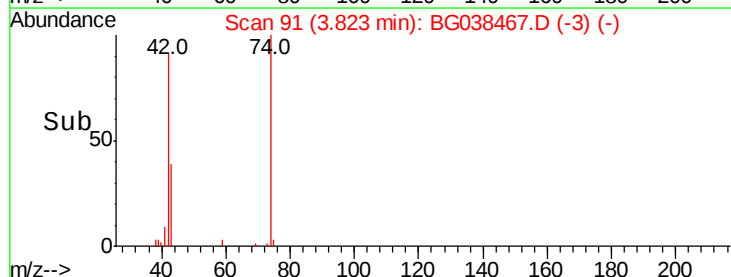
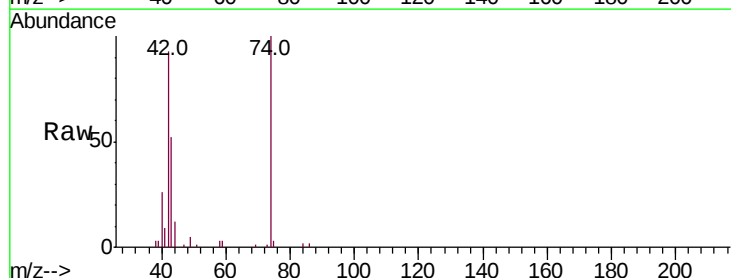
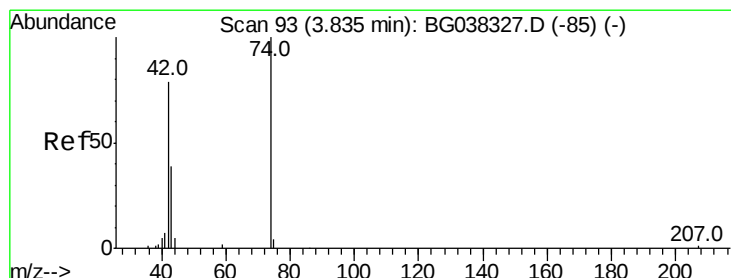
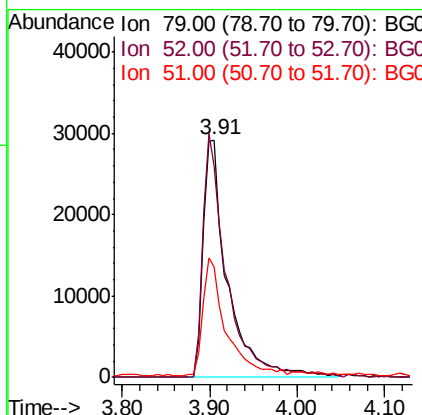
#3  
Pvridine  
Concen: 31.596 ng  
RT: 3.91 min Scan# 105  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 79      | 100   |       |       |
| 52      | 89.3  | 74.2  | 111.2 |
| 51      | 46.4  | 34.6  | 51.8  |

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

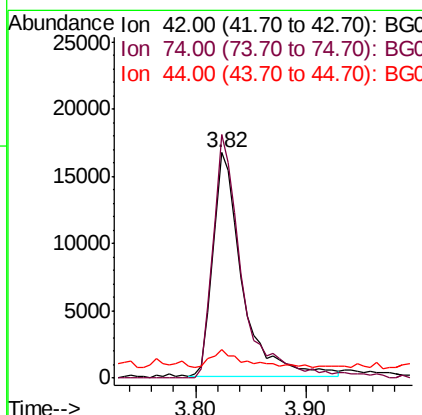
Manual Integrations  
APPROVED

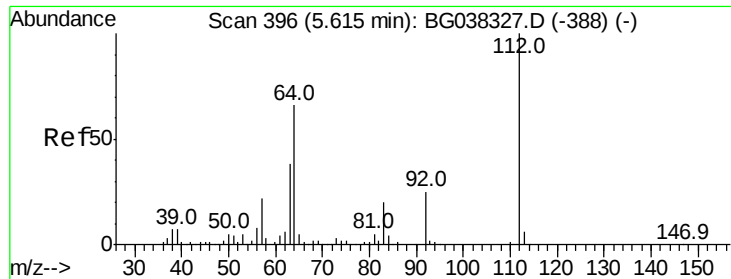
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12/11/2018 6:07:28 PM



#4  
n-Nitrosodimethylamine  
Concen: 38.754 ng  
RT: 3.82 min Scan# 91  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 74      | 108.0 | 102.0 | 153.0 |
| 44      | 12.7  | 9.6   | 14.4  |





#5

2-Fluorophenol

Concen: 129.016 ng

RT: 5.62 min Scan# 396

Delta R.T. 0.00 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

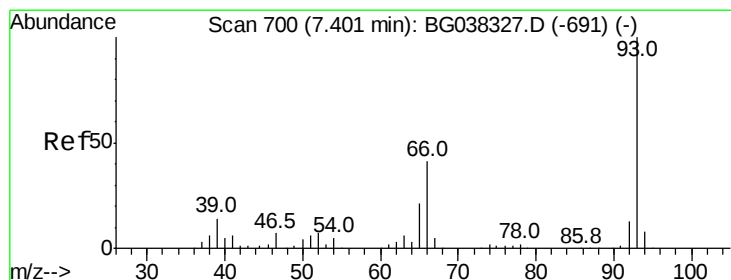
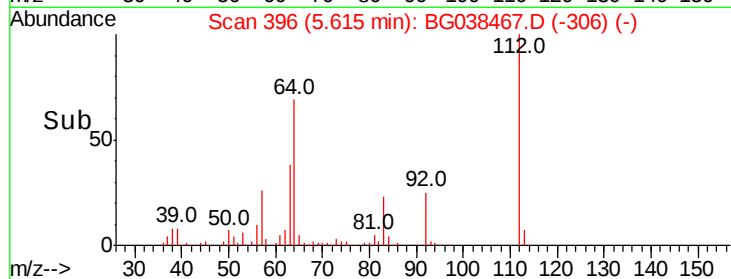
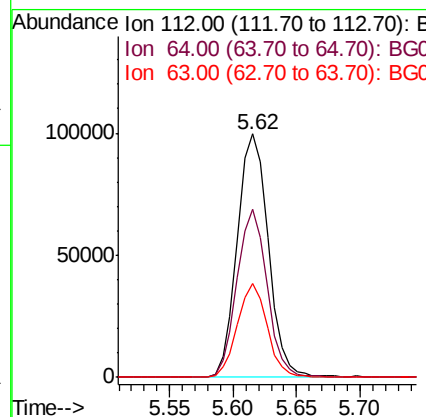
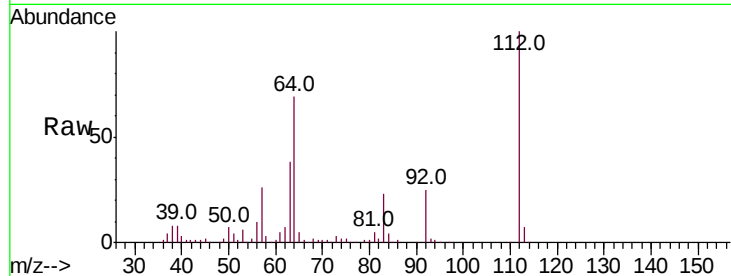
ClientSampled :

PB115480BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 168659 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 68.9  | 53.1  | 79.7   |
| 63        | 38.3  | 27.3  | 40.9   |

Manual Integrations  
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12/11/2018 6:07:28 PM



#6

Aniline

Concen: 14.296 ng

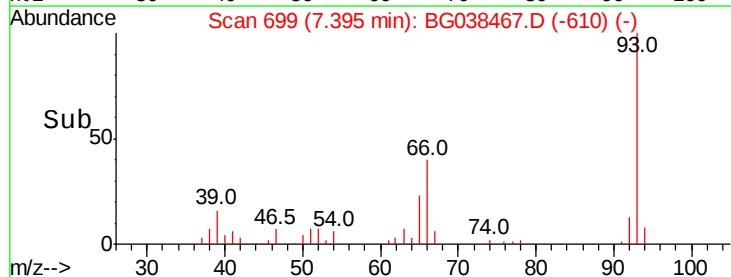
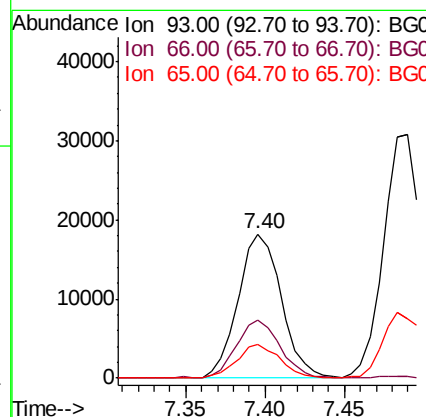
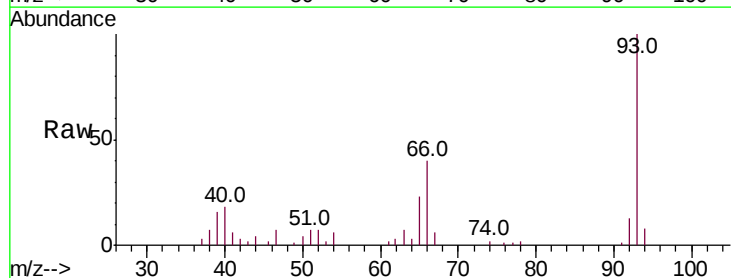
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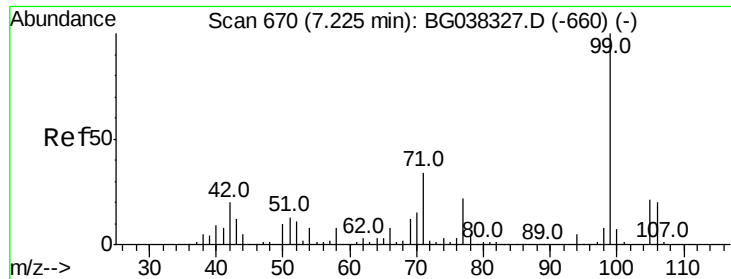
Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 34500 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 40.1  | 32.8  | 49.2  |
| 65        | 23.2  | 16.4  | 24.6  |





#7

Phenol-d6

Concen: 123.402 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

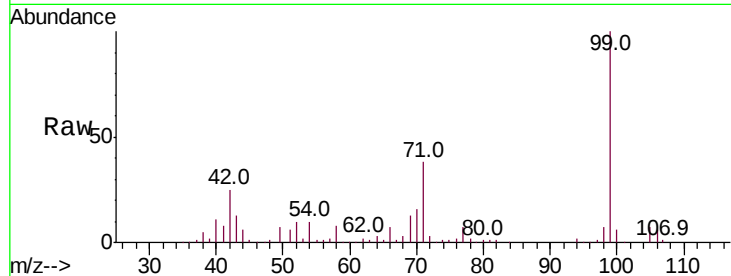
ClientSampleId :

PB115480BS

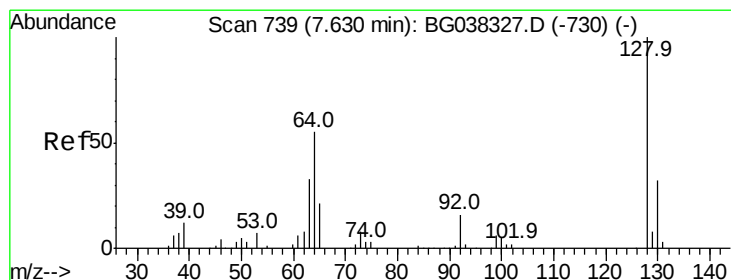
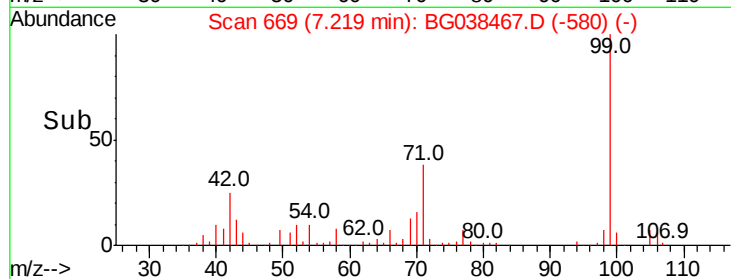
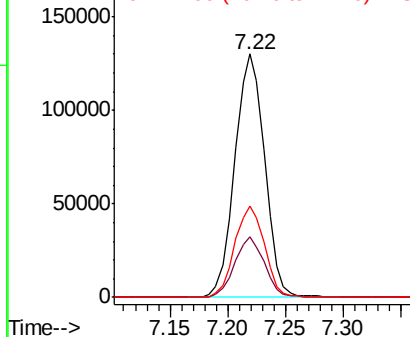
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 233161 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 24.9  | 15.0  | 22.4#  |
| 71        | 37.8  | 25.5  | 38.3   |

Manual Integrations  
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12/11/2018 6:07:28 PM



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: 38.299 ng

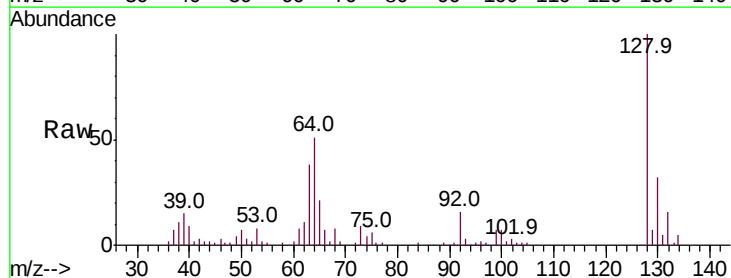
RT: 7.62 min Scan# 738

Delta R.T. -0.01 min

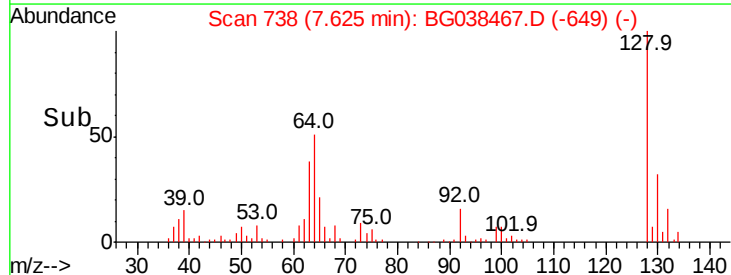
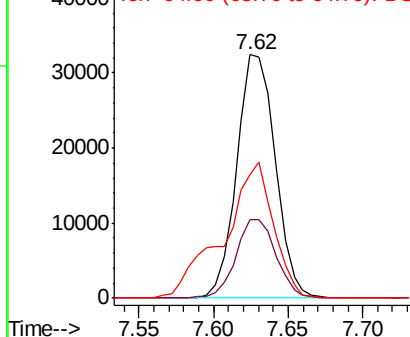
Lab File: BG038467.D

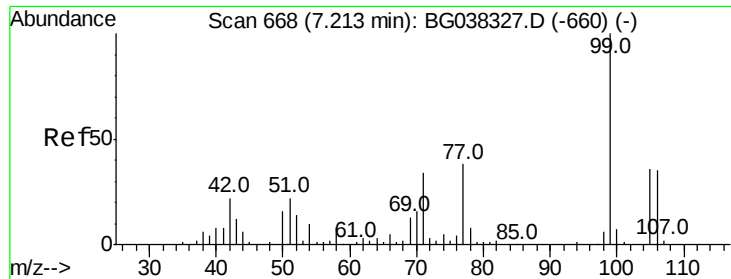
Acq: 11 Dec 2018 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 58147 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 32.3  | 12.0  | 52.0  |
| 64        | 50.7  | 32.9  | 72.9  |



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: 18.841 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

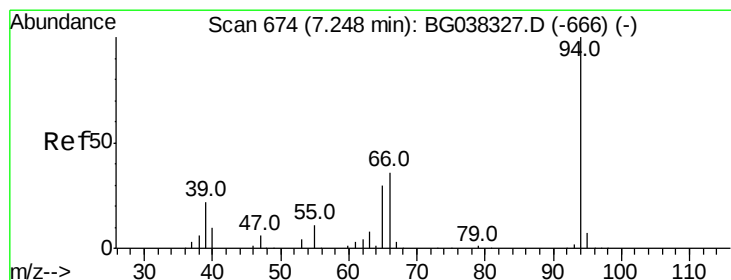
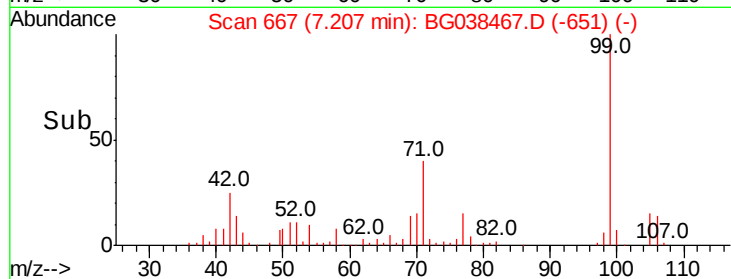
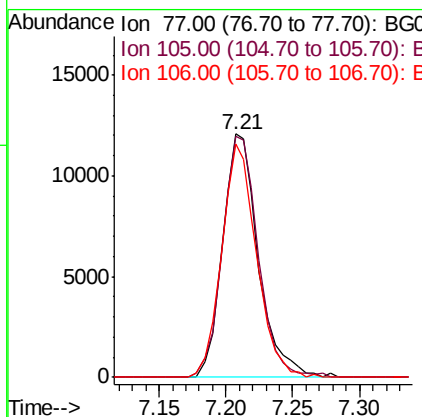
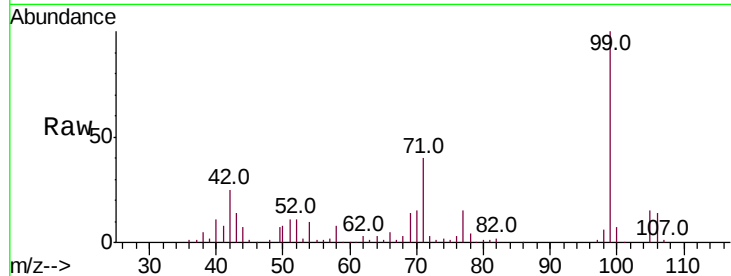
ClientSampleId :

PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 105     | 99.2  | 72.6  | 112.6 |
| 106     | 95.6  | 71.3  | 111.3 |

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12/11/2018 6:07:28 PM



#10

Phenol

Concen: 37.410 ng

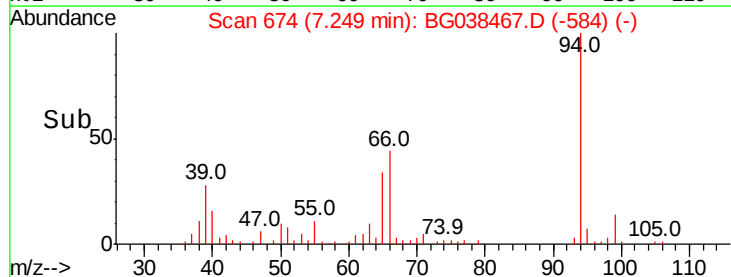
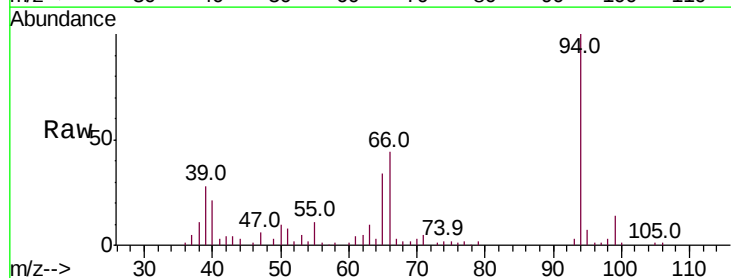
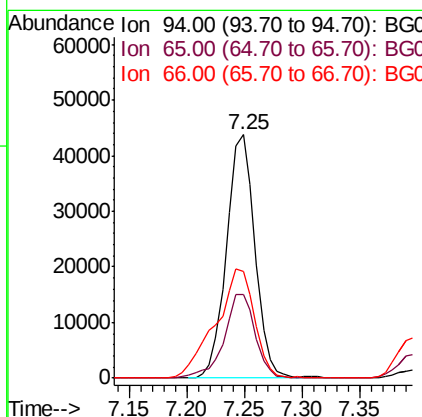
RT: 7.25 min Scan# 674

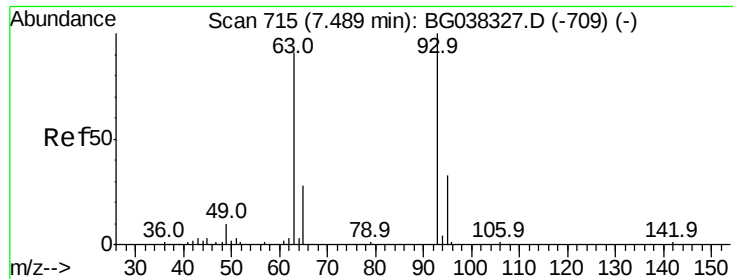
Delta R.T. 0.00 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 94      | 100   |       |       |
| 65      | 34.2  | 9.7   | 49.7  |
| 66      | 43.9  | 15.9  | 55.9  |





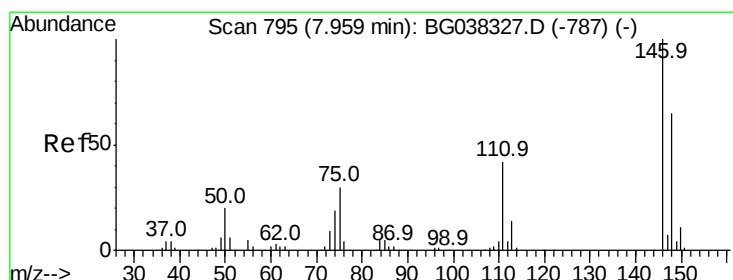
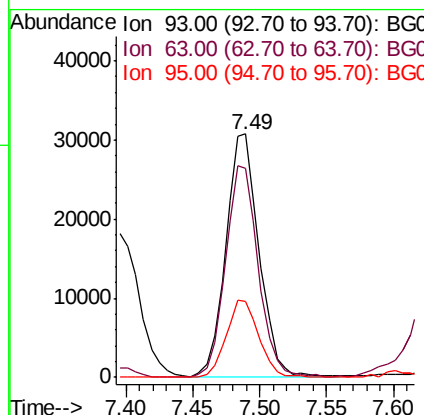
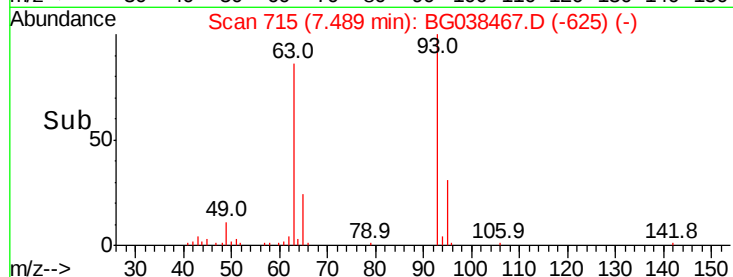
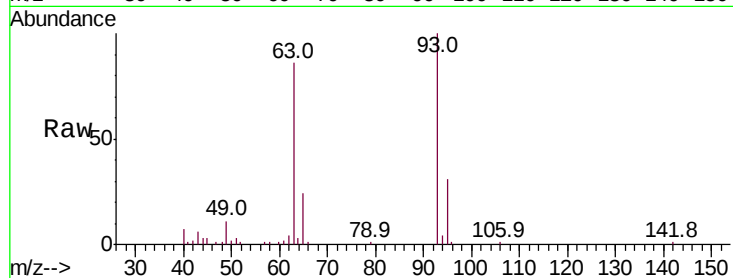
#11  
bis(2-Chloroethyl)ether  
Concen: 32.814 ng  
RT: 7.49 min Scan# 715  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 85.7  | 69.5  | 109.5 |
| 95      | 31.2  | 12.6  | 52.6  |

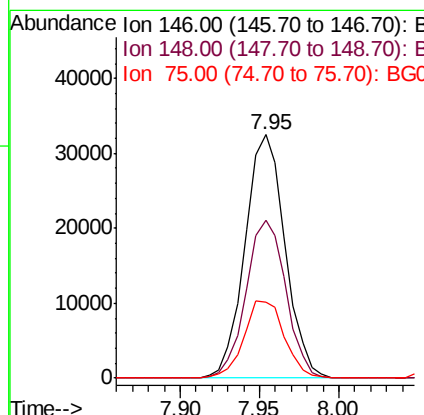
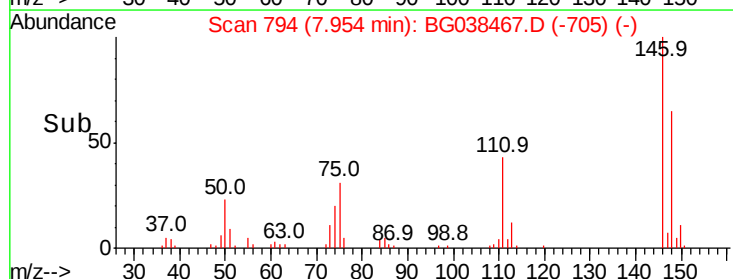
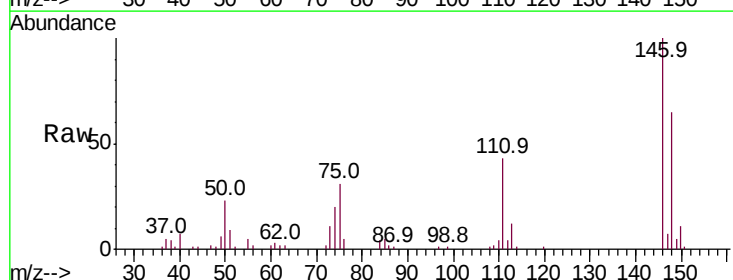
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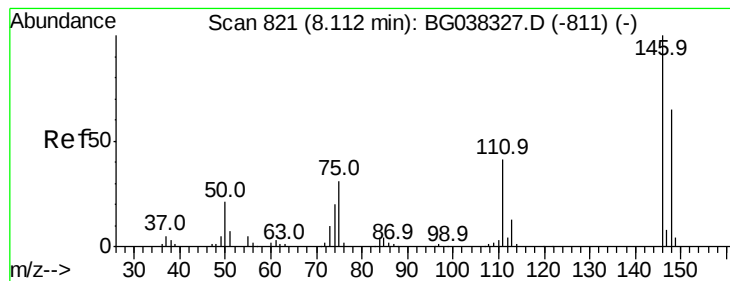
Sohil  
12/11/2018 6:07:28 PM



#12  
1,3-Dichlorobenzene  
Concen: 32.088 ng  
RT: 7.95 min Scan# 794  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.1  | 49.8  | 74.8  |
| 75      | 31.3  | 23.2  | 34.8  |





#13

1,4-Dichlorobenzene

Concen: 32.543 ng

RT: 8.11 min Scan# 820

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

ClientSampleId :

PB115480BS

Tot Ion:146 Resp: 59749

Ion Ratio Lower Upper

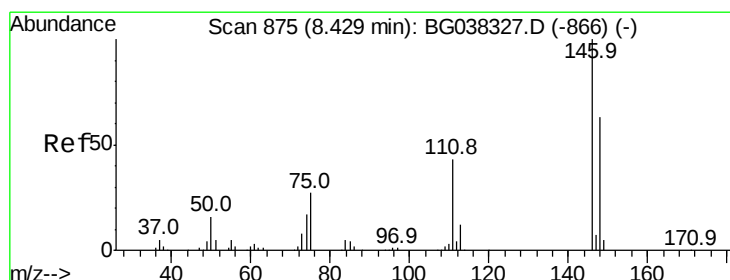
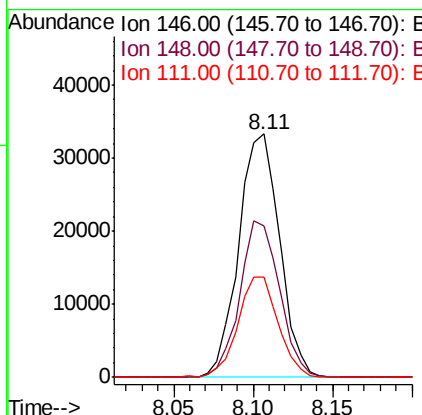
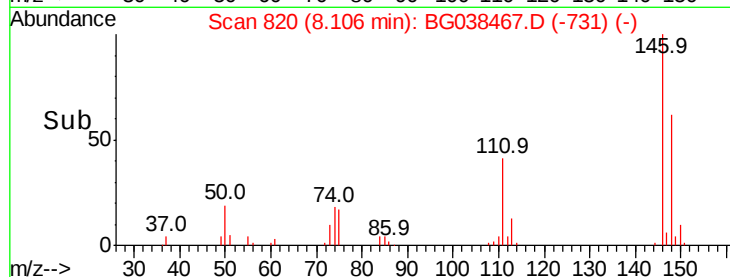
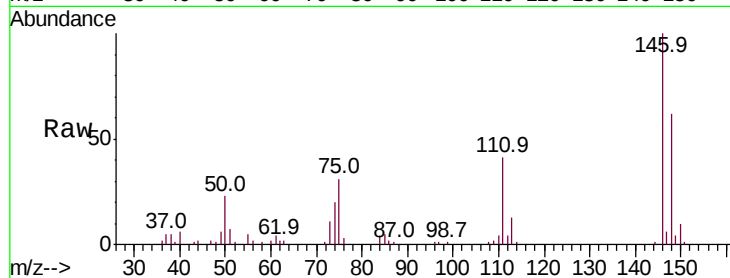
146 100

148 62.2 51.0 76.6

111 41.1 32.4 48.6

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#14

1,2-Dichlorobenzene

Concen: 31.744 ng

RT: 8.42 min Scan# 874

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

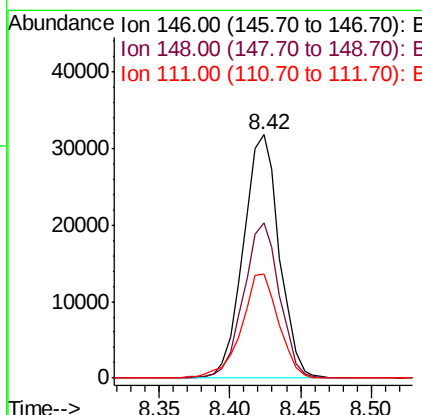
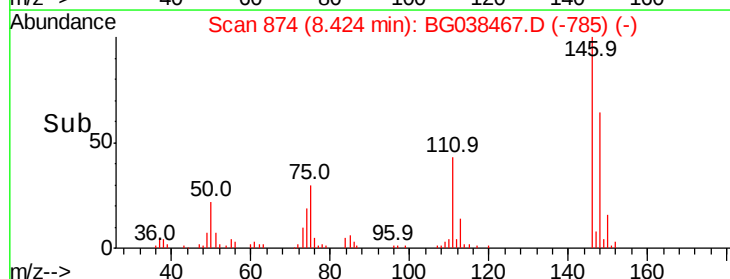
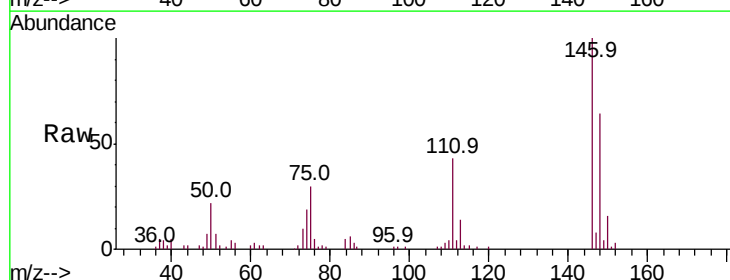
Tgt Ion:146 Resp: 56494

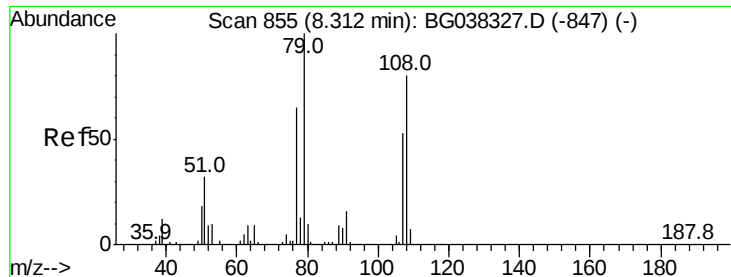
Ion Ratio Lower Upper

146 100

148 63.8 50.4 75.6

111 42.8 34.6 51.8





#15

Benzyl Alcohol

Concen: 33.511 ng

RT: 8.31 min Scan# 854

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

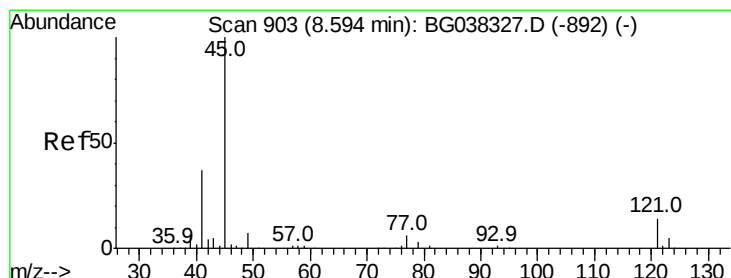
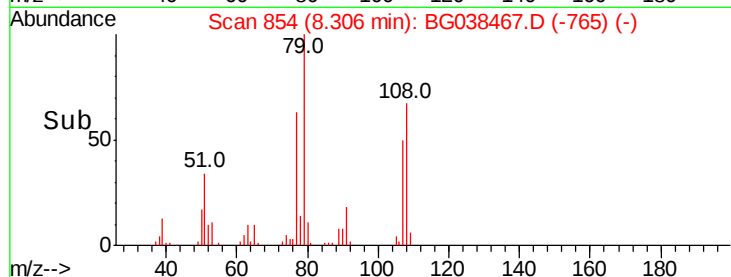
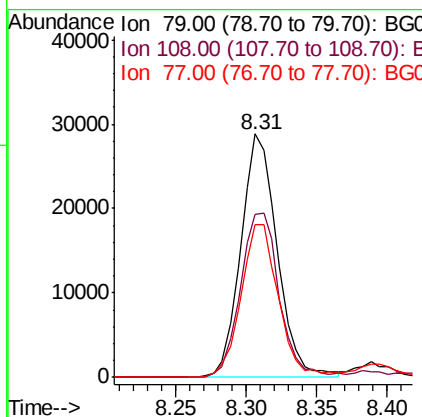
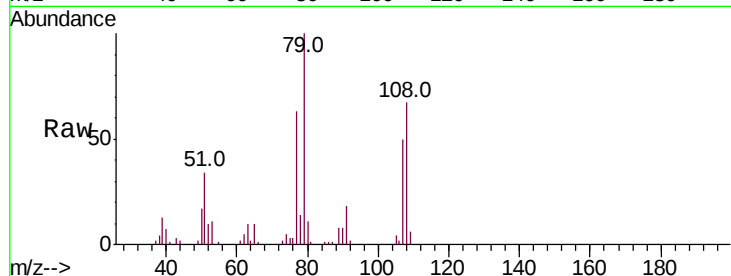
ClientSampleId :

PB115480BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 52055 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 66.7  | 65.8  | 98.8  |
| 77        | 62.7  | 52.9  | 79.3  |

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#16

2,2'-oxybis(1-chloropropane)

Concen: 32.711 ng

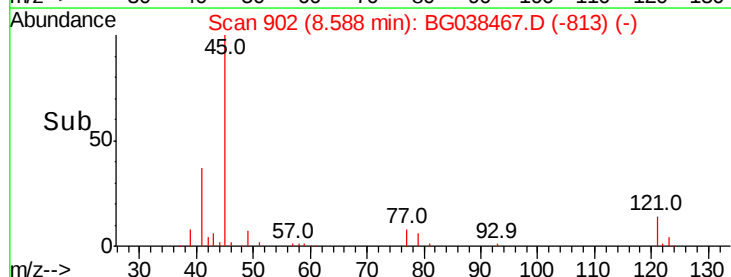
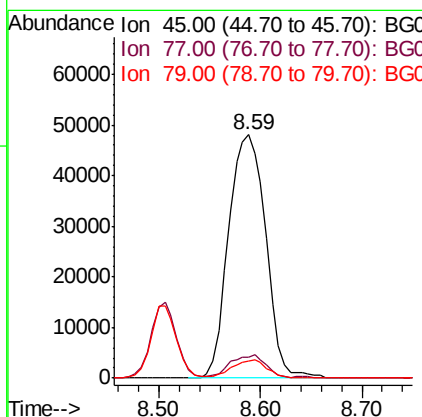
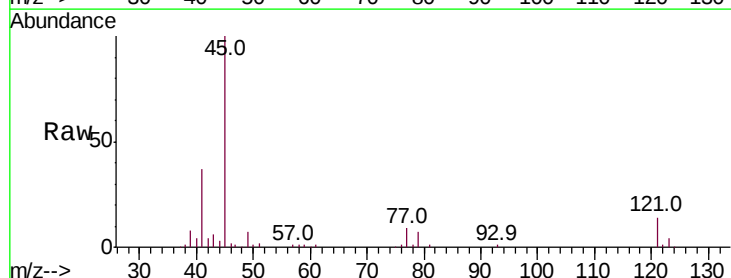
RT: 8.59 min Scan# 902

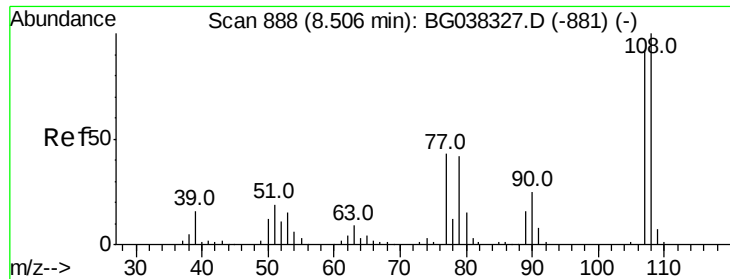
Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 121647 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 8.6   | 0.0   | 30.0   |
| 79        | 7.1   | 0.0   | 29.0   |





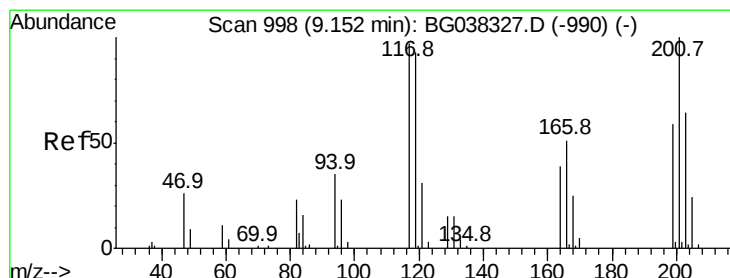
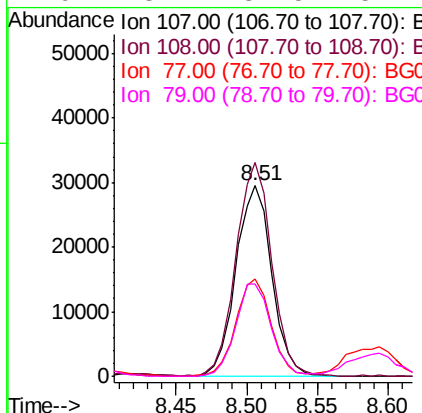
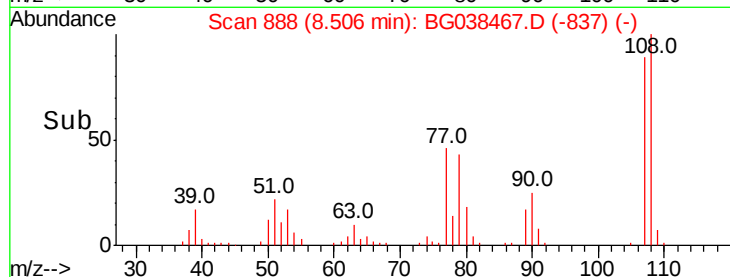
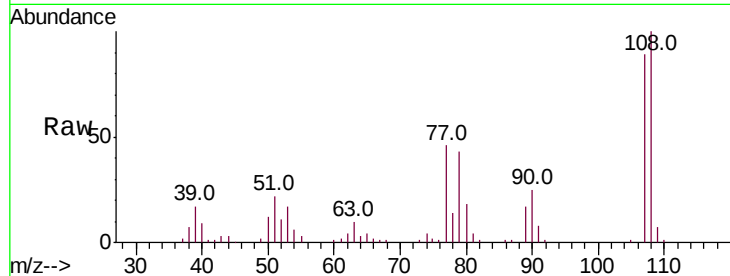
#17  
2-Methylphenol  
Concen: 37.008 ng  
RT: 8.51 min Scan# 888  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 107   | Resp: | 52343 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 112.0 | 87.9  | 131.9 |
| 77       | 51.2  | 35.1  | 52.7  |
| 79       | 48.1  | 34.5  | 51.7  |

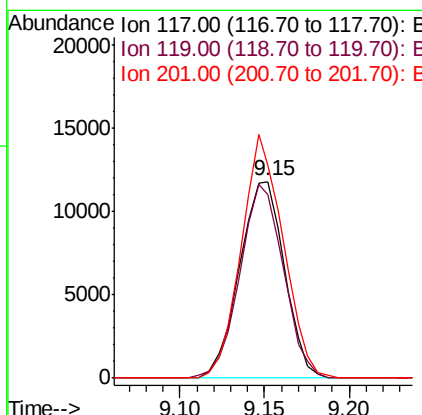
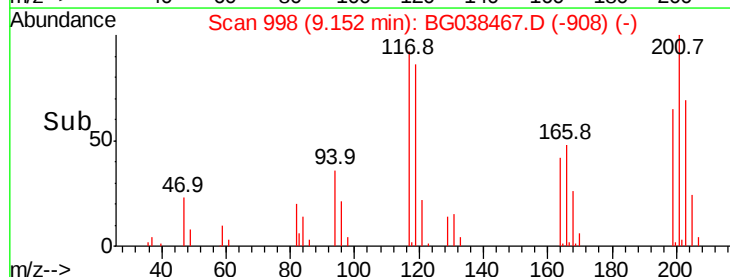
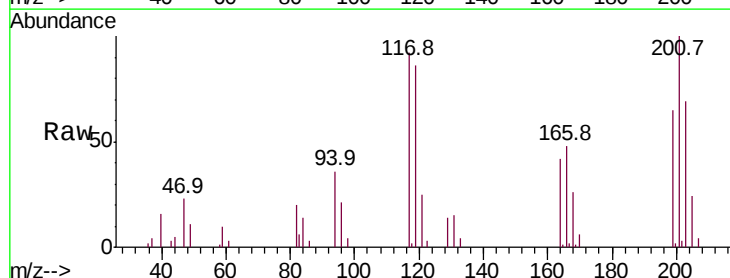
Manual Integrations  
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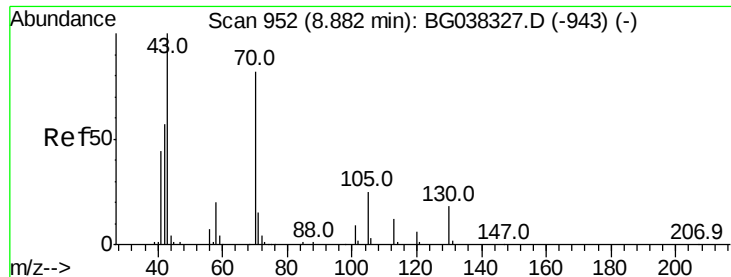
Sohil  
12/11/2018 6:07:28 PM



#18  
Hexachloroethane  
Concen: 32.958 ng  
RT: 9.15 min Scan# 998  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 21839 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 93.3  | 74.6  | 111.8 |
| 201      | 108.4 | 80.8  | 121.2 |





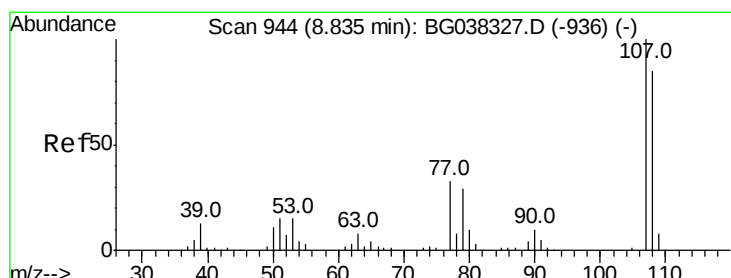
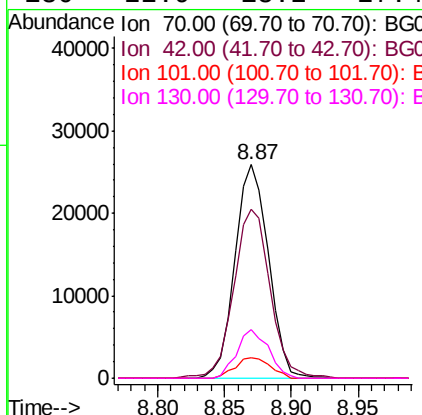
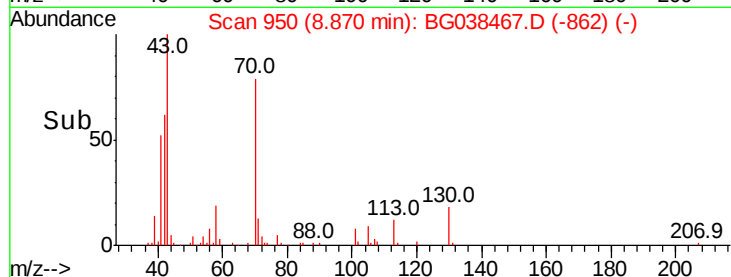
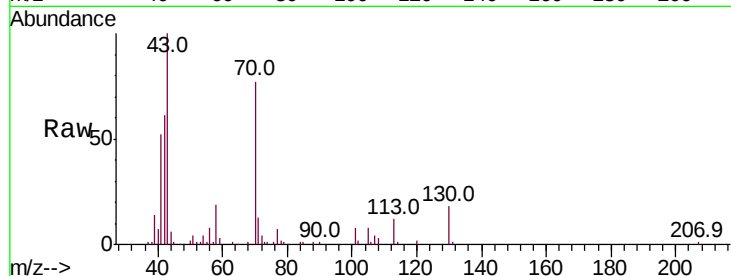
#19  
n-Nitroso-di-n-propylamine  
Concen: 32.272 ng  
RT: 8.87 min Scan# 950  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 70      | 100  |       |       |       |
| 42      | 79.2 | 53.9  | 80.9  |       |
| 101     | 9.8  | 8.2   | 12.2  |       |
| 130     | 22.9 | 18.2  | 27.4  |       |

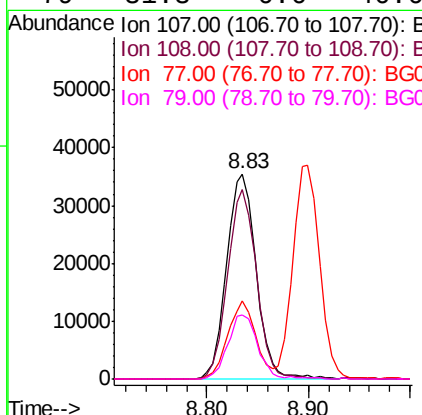
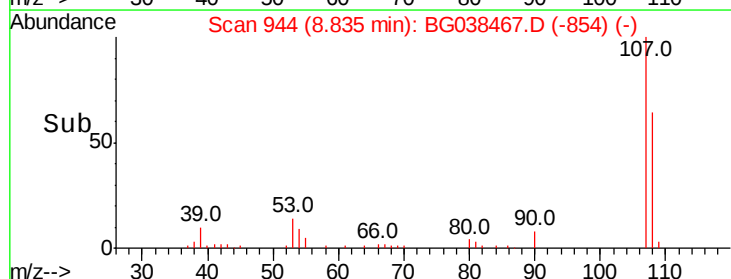
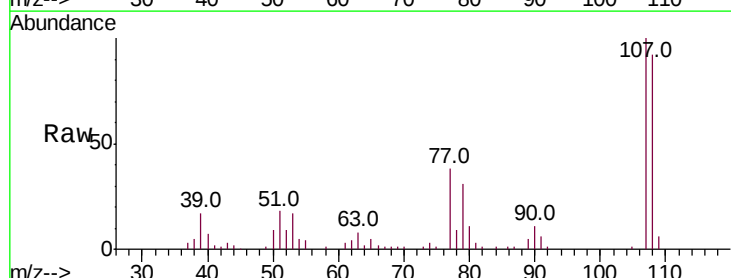
Manual Integrations  
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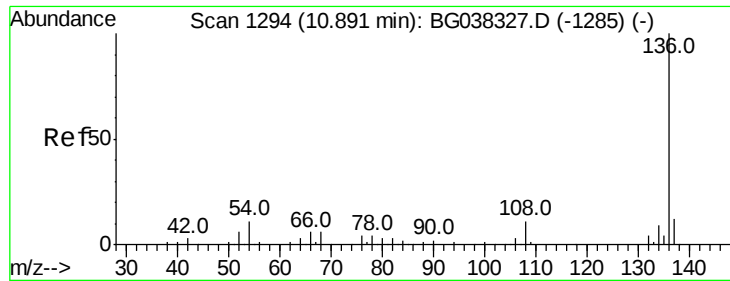
Sohil  
12/11/2018 6:07:28 PM



#20  
3+4-Methylphenols  
Concen: 35.772 ng  
RT: 8.83 min Scan# 944  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 107     | 100  |       |       |       |
| 108     | 92.3 | 69.9  | 109.9 |       |
| 77      | 37.8 | 11.2  | 51.2  |       |
| 79      | 31.3 | 6.6   | 46.6  |       |





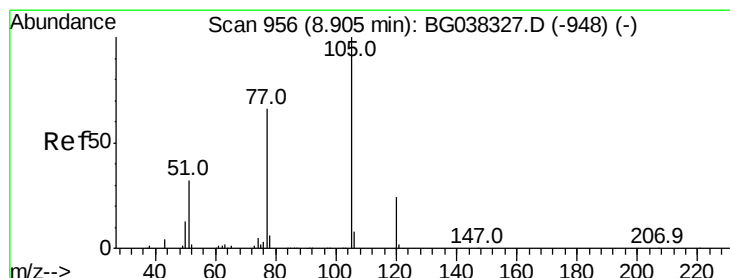
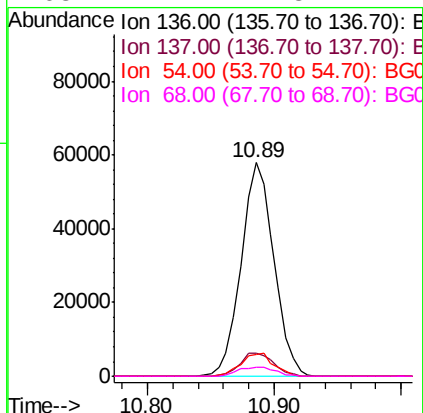
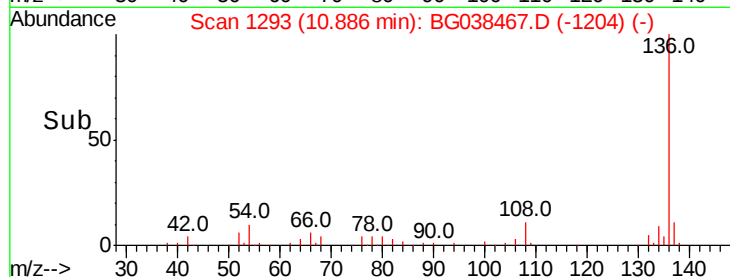
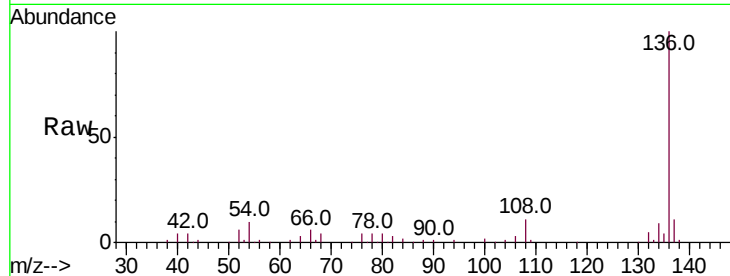
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.89 min Scan# 1293  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 136     | 100   | 103463 |       |       |
| 137     | 11.1  |        | 9.6   | 14.4  |
| 54      | 10.4  |        | 7.9   | 11.9  |
| 68      | 4.1   |        | 4.8   | 7.2#  |

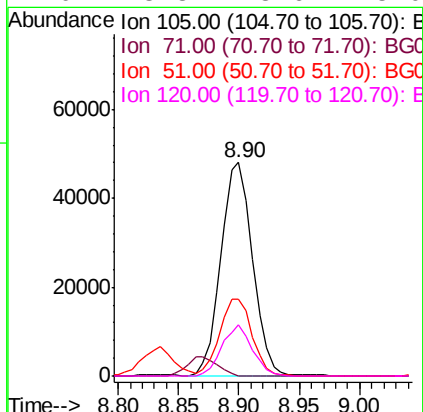
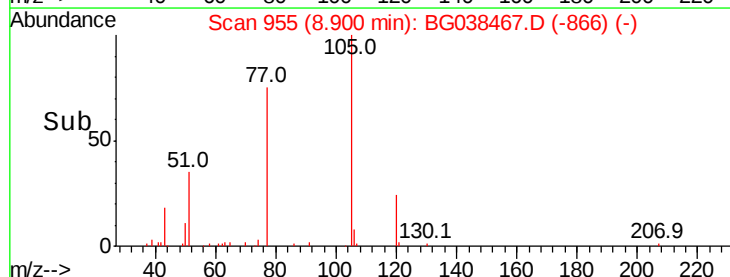
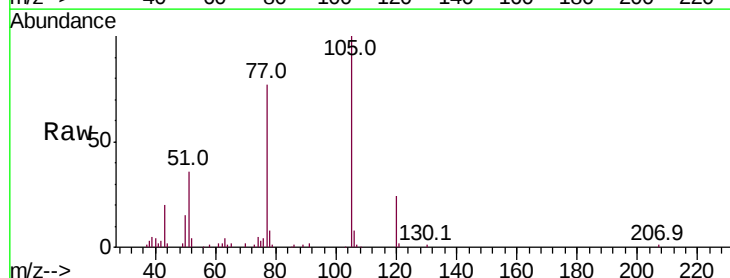
Manual Integrations  
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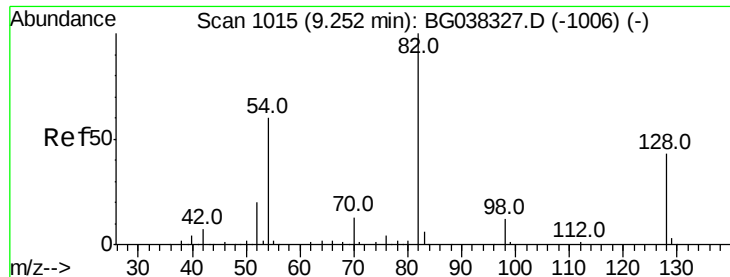
Sohil  
12/11/2018 6:07:28 PM



#22  
Acetophenone  
Concen: 34.734 ng  
RT: 8.90 min Scan# 955  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 105     | 100   | 87600 |       |       |
| 71      | 0.0   |       | 1.2   | 1.8#  |
| 51      | 36.0  |       | 25.0  | 37.6  |
| 120     | 23.8  |       | 18.6  | 28.0  |





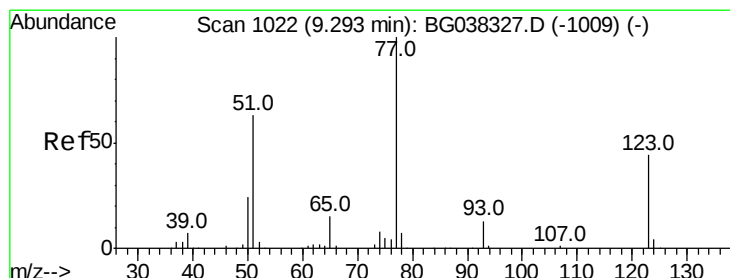
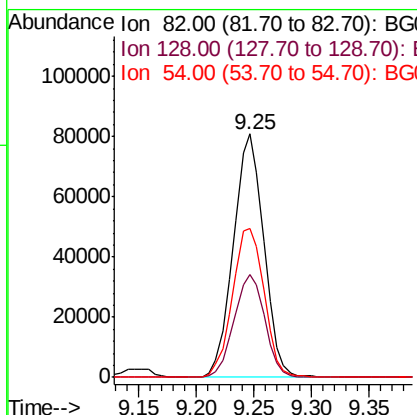
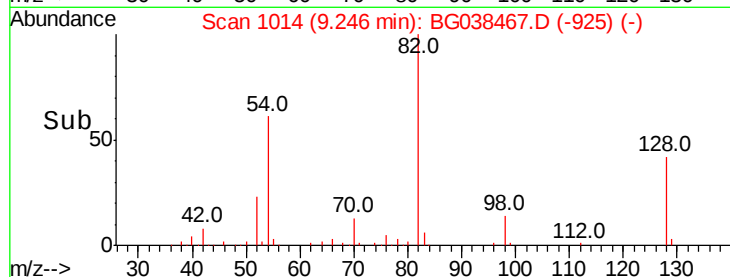
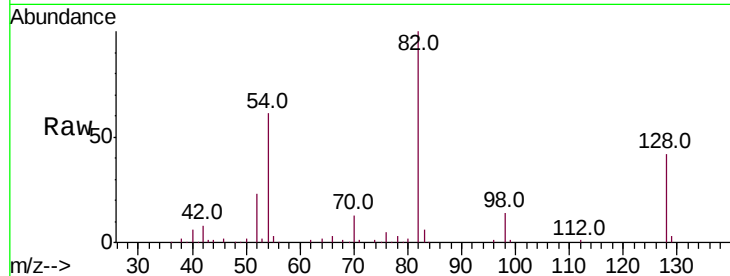
#23  
Nitrobenzene-d5  
Concen: 70.767 ng  
RT: 9.25 min Scan# 1014  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 42.1  | 34.6  | 51.8  |
| 54      | 61.0  | 45.3  | 67.9  |

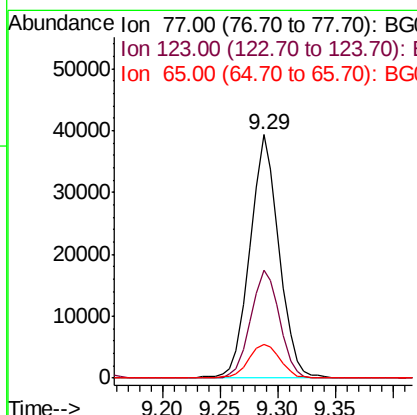
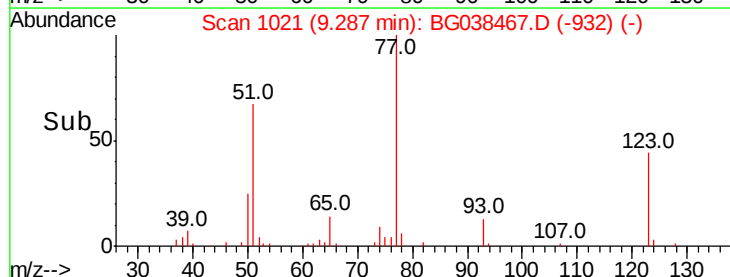
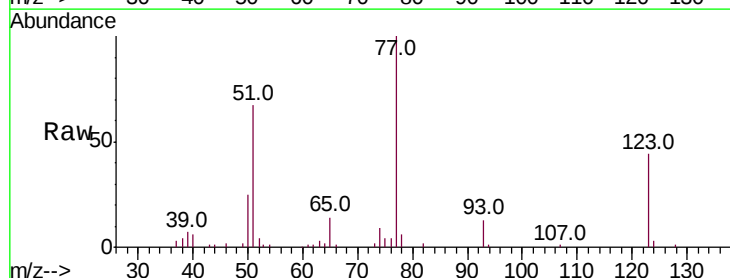
Manual Integrations  
APPROVED

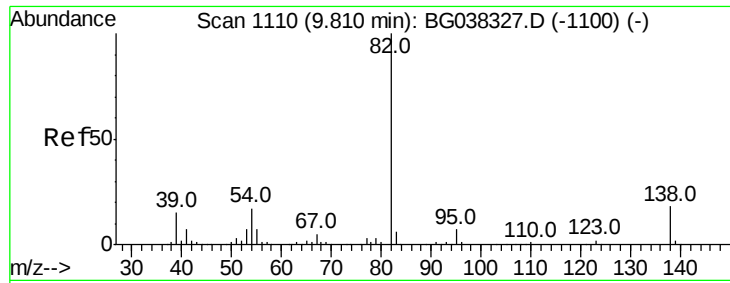
Sohil  
12/11/2018 6:07:28 PM



#24  
Nitrobenzene  
Concen: 32.500 ng  
RT: 9.29 min Scan# 1021  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 44.4  | 33.6  | 50.4  |
| 65      | 13.7  | 11.3  | 16.9  |





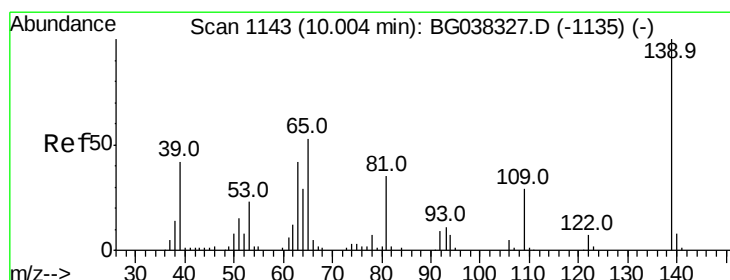
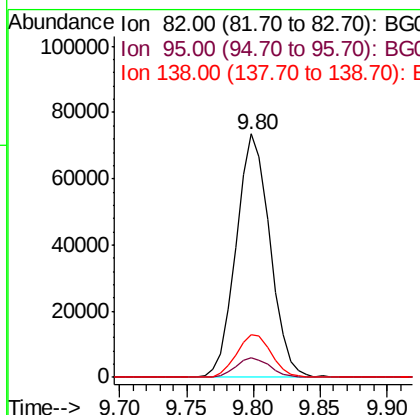
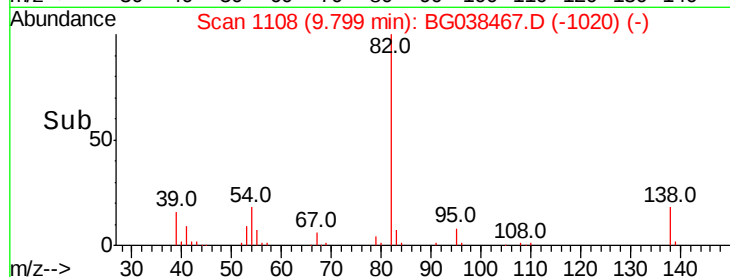
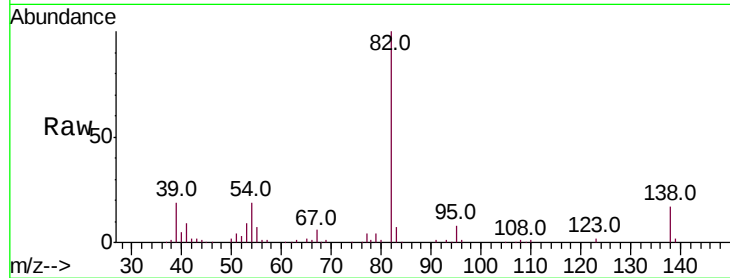
#25  
Isophorone  
Concen: 35.354 ng  
RT: 9.80 min Scan# 1108  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 95      | 7.8   | 5.3   | 7.9   |
| 138     | 17.4  | 13.3  | 19.9  |

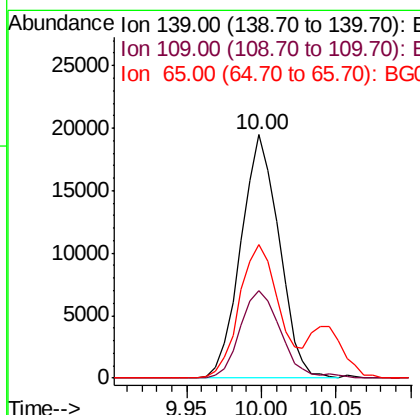
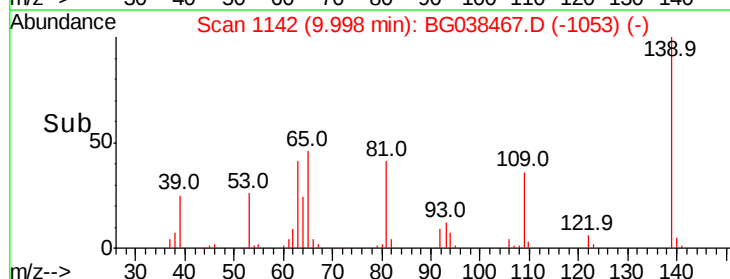
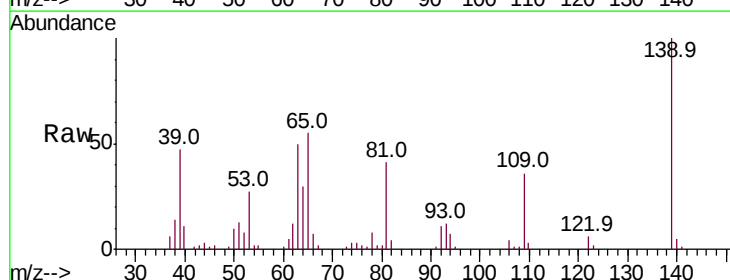
Manual Integrations  
APPROVED

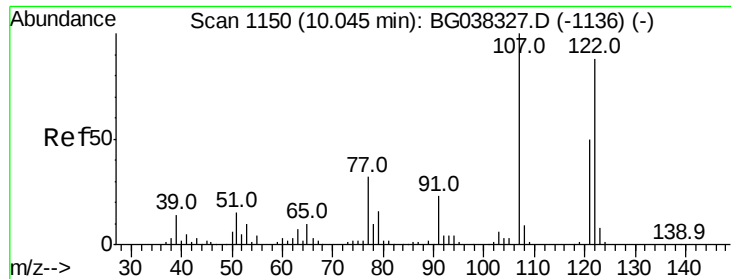
Sohil  
12/11/2018 6:07:28 PM



#26  
2-Nitrophenol  
Concen: 35.156 ng  
RT: 10.00 min Scan# 1142  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 35.8  | 23.3  | 34.9# |
| 65      | 55.0  | 39.8  | 59.8  |





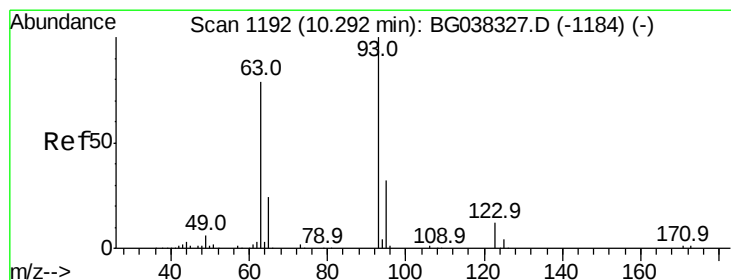
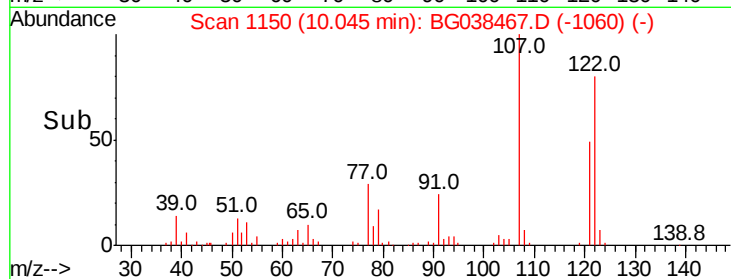
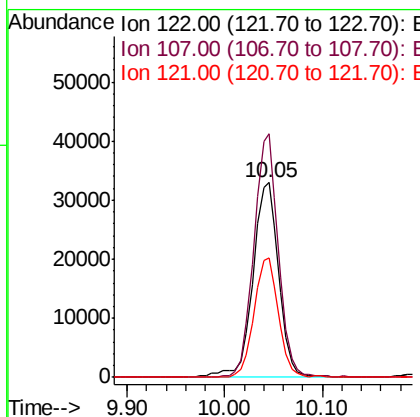
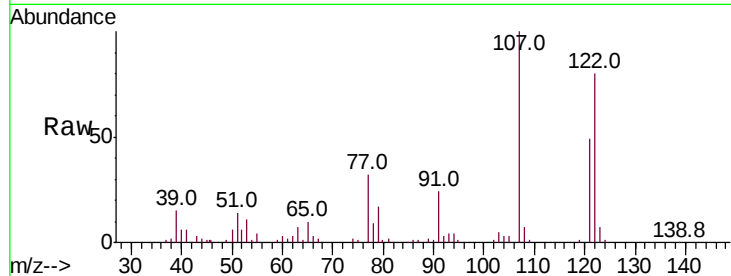
#27  
2,4-Dimethylphenol  
Concen: 43.587 ng  
RT: 10.05 min Scan# 1150  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 125.1 | 94.2  | 141.2 |
| 121     | 61.7  | 47.3  | 70.9  |

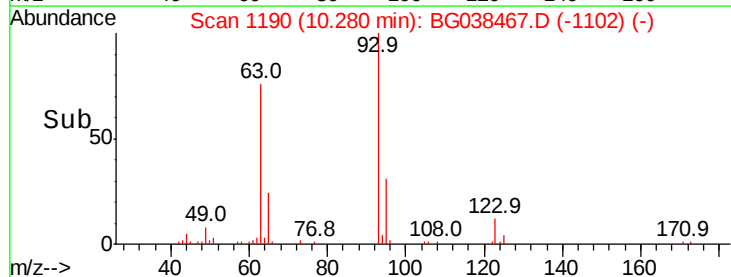
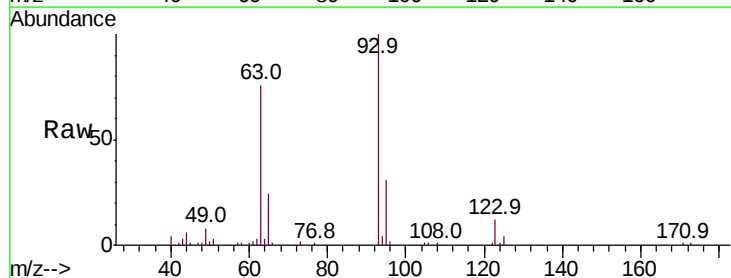
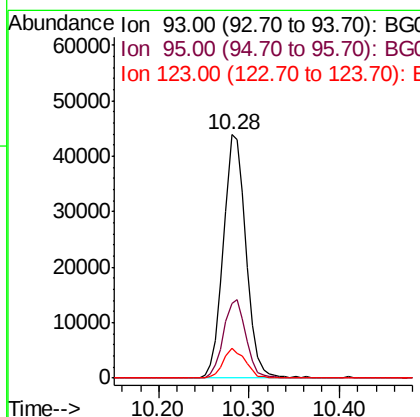
Manual Integrations  
APPROVED

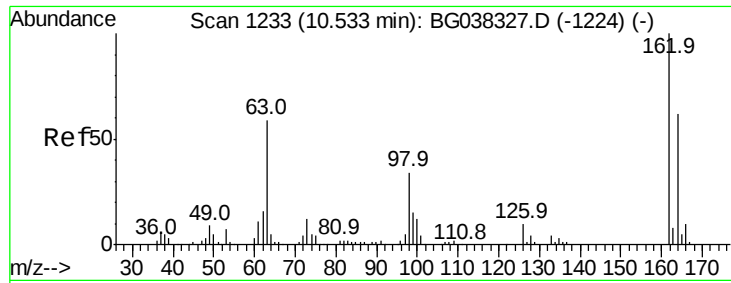
Sohil  
12/11/2018 6:07:28 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 36.197 ng  
RT: 10.28 min Scan# 1190  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 30.6  | 24.6  | 37.0  |
| 123     | 12.1  | 9.1   | 13.7  |





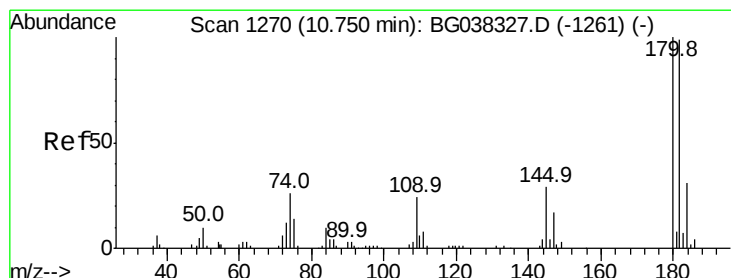
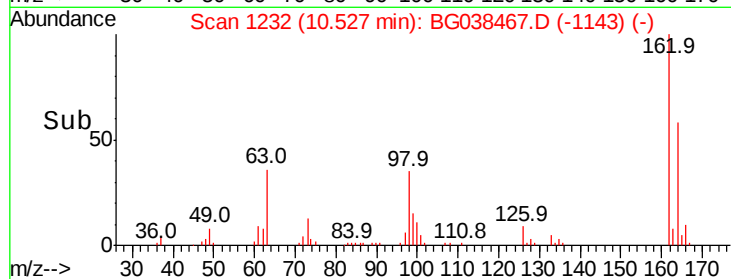
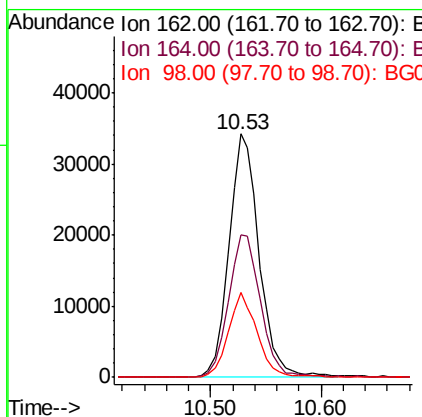
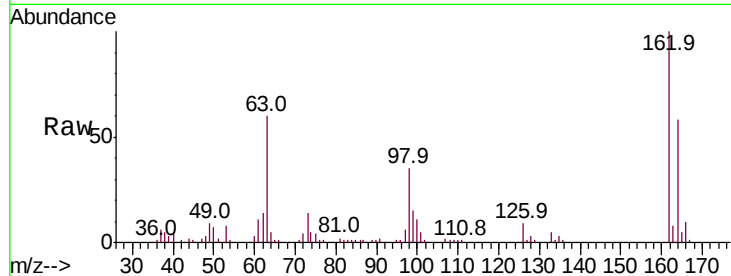
#29  
 2,4-Dichlorophenol  
 Concen: 40.643 ng  
 RT: 10.53 min Scan# 1232  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 162   | Resp: | 65373 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 58.4  | 43.2  | 83.2  |
| 98        | 34.6  | 16.0  | 56.0  |

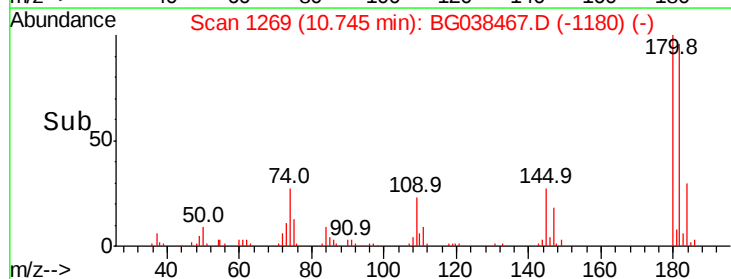
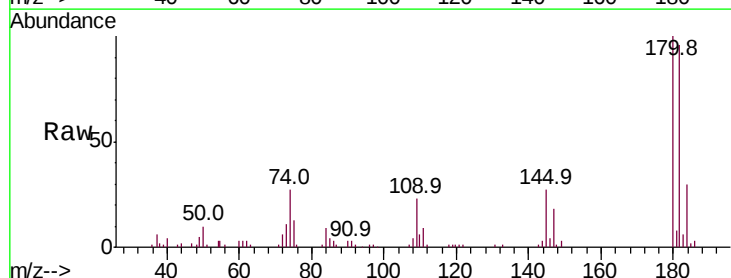
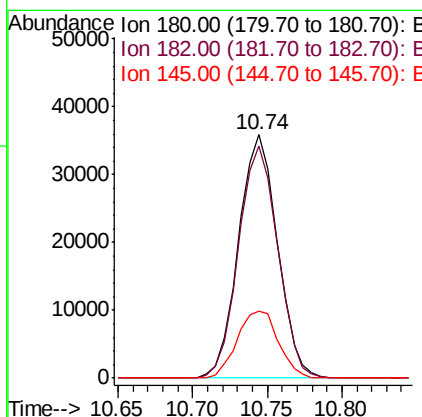
Manual Integrations  
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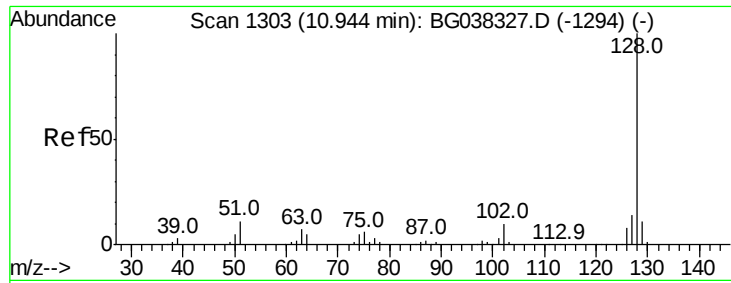
Sohil  
 12/11/2018 6:07:28 PM



#30  
 1,2,4-Trichlorobenzene  
 Concen: 34.335 ng  
 RT: 10.74 min Scan# 1269  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 64830 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.6  | 77.7  | 116.5 |
| 145       | 27.4  | 23.3  | 34.9  |





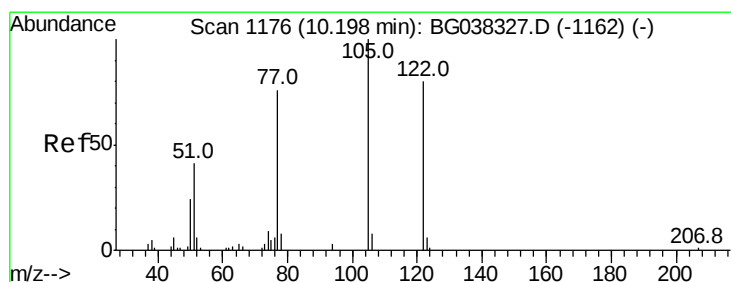
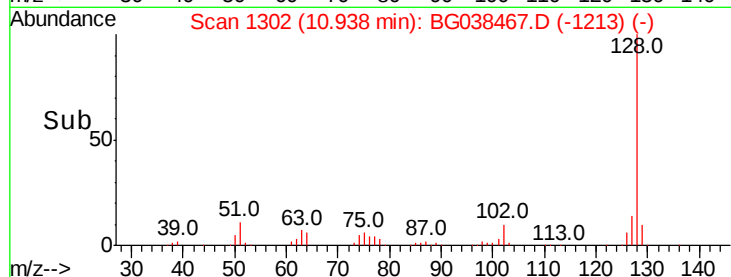
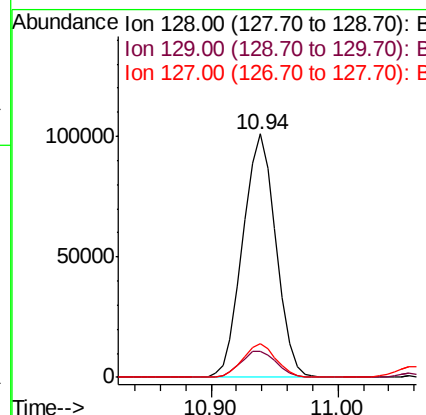
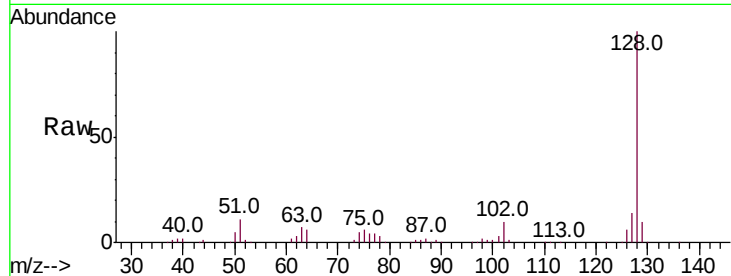
#31  
Naphthalene  
Concen: 37.034 ng  
RT: 10.94 min Scan# 1302  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 10.5  | 9.0   | 13.6  |
| 127     | 13.6  | 11.1  | 16.7  |

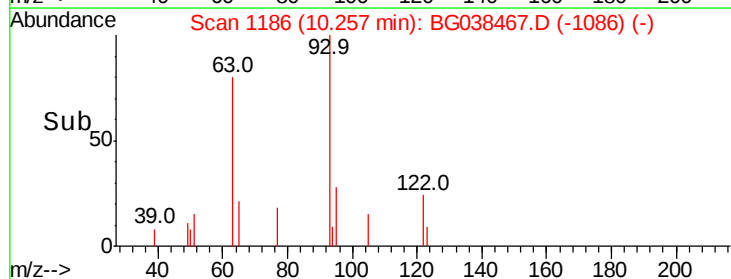
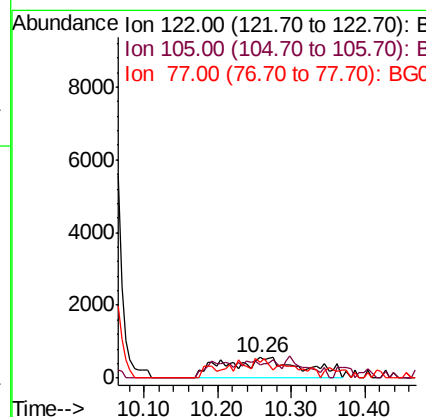
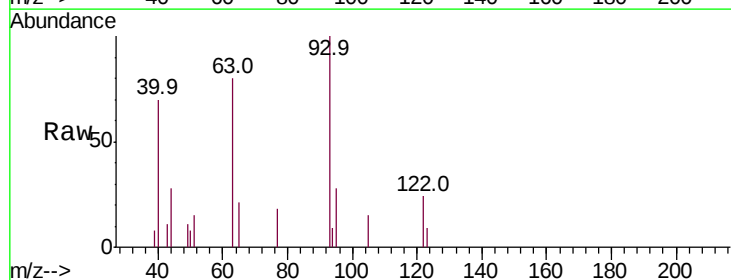
Manual Integrations  
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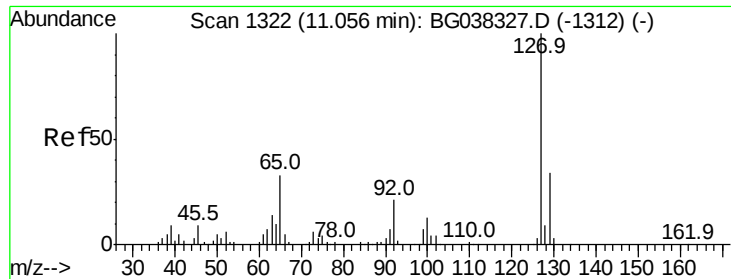
Sohil  
12/11/2018 6:07:28 PM



#32  
Benzoic acid  
Concen: 8.527 ng m  
RT: 10.26 min Scan# 1186  
Delta R.T. 0.06 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 122     | 100   |       |        |
| 105     | 63.5  | 106.7 | 146.7# |
| 77      | 75.3  | 72.2  | 112.2  |





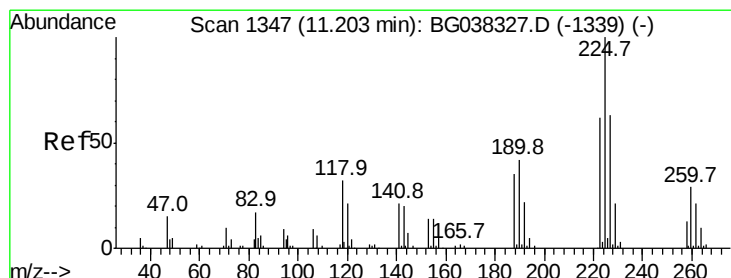
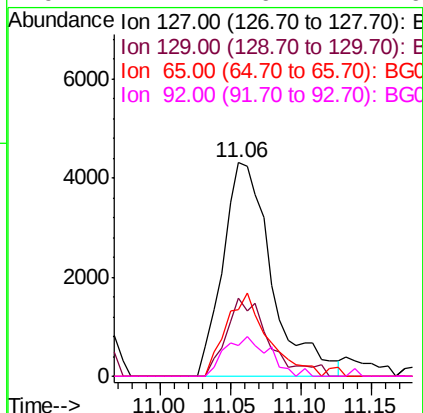
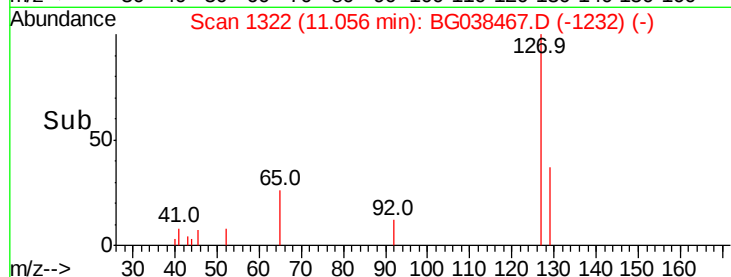
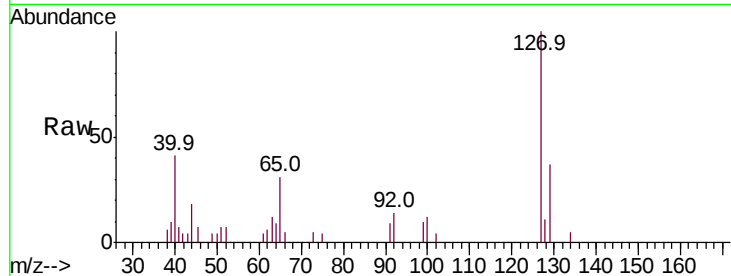
#33  
4-Chloroaniline  
Concen: 4.762 ng  
RT: 11.06 min Scan# 1322  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 36.7  | 27.1  | 40.7  |
| 65      | 31.3  | 26.6  | 39.8  |
| 92      | 14.4  | 16.4  | 24.6  |

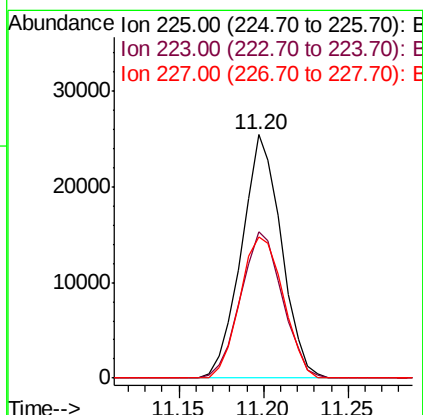
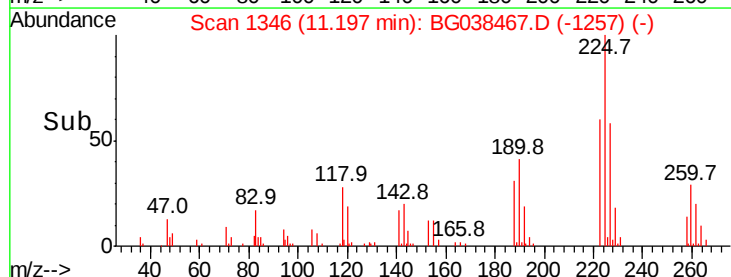
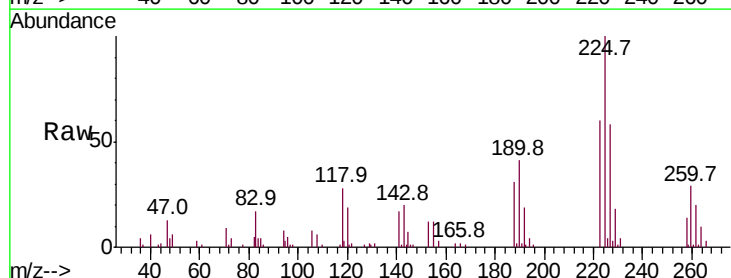
Manual Integrations  
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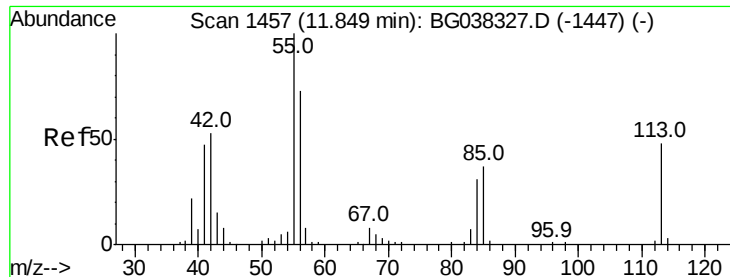
Sohil  
12/11/2018 6:07:28 PM



#34  
Hexachlorobutadiene  
Concen: 35.347 ng  
RT: 11.20 min Scan# 1346  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 60.3  | 48.2  | 72.4  |
| 227     | 60.5  | 51.6  | 77.4  |





#35

Caprolactam

Concen: 36.067 ng

RT: 11.83 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

ClientSampled :

PB115480BS

Tot Ion:113 Resp: 23990

Ion Ratio Lower Upper

113 100

55 204.2 176.6 216.6

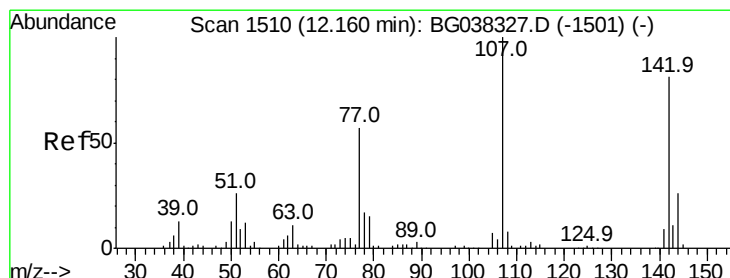
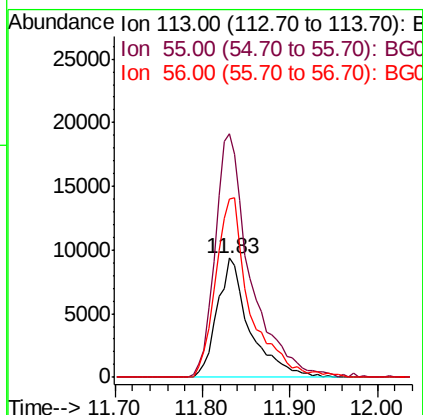
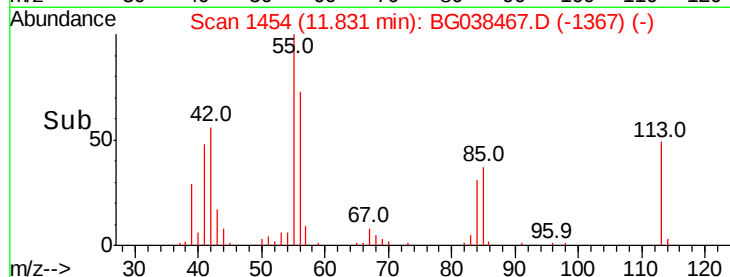
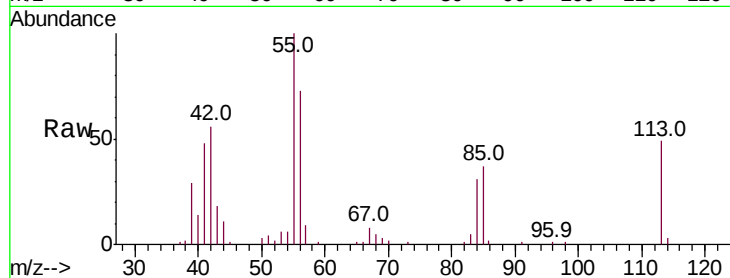
56 149.3 128.3 168.3

Manual Integrations

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12/11/2018 6:07:28 PM



#36

4-Chloro-3-methylphenol

Concen: 59.447 ng

RT: 12.16 min Scan# 1510

Delta R.T. 0.00 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

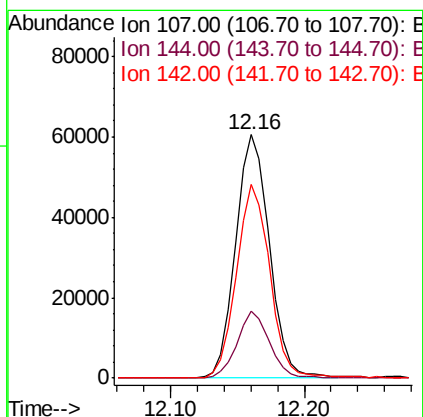
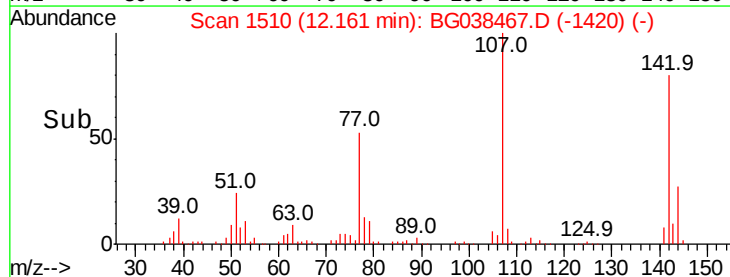
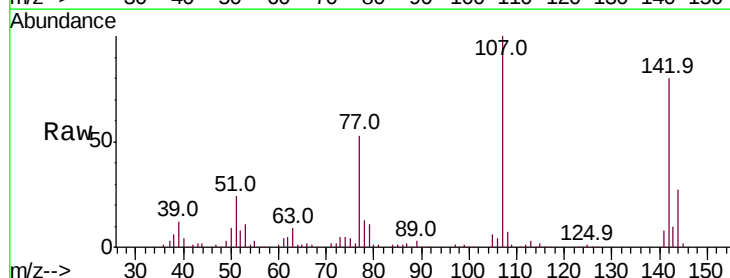
Tgt Ion:107 Resp: 106239

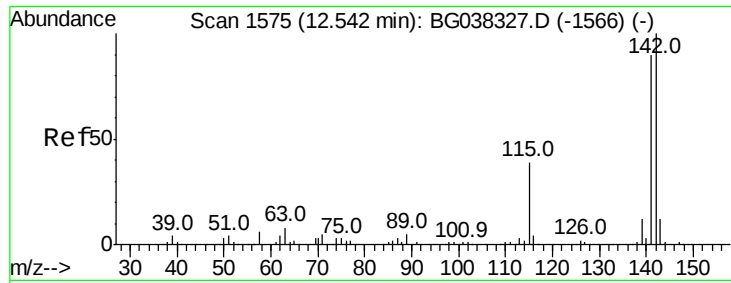
Ion Ratio Lower Upper

107 100

144 27.3 20.7 31.1

142 79.7 64.4 96.6





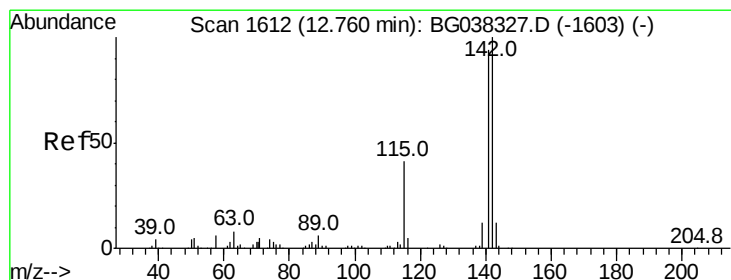
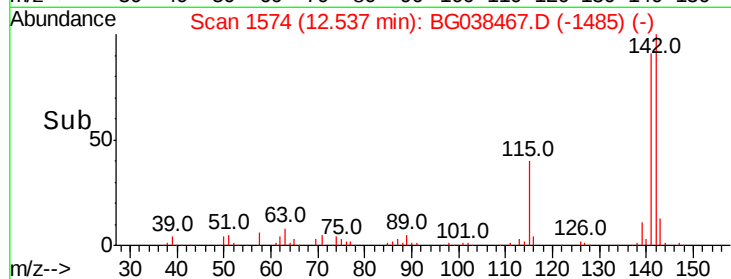
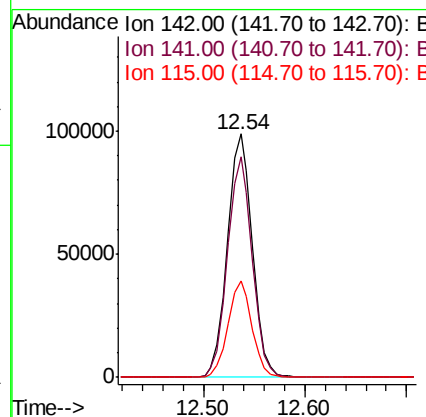
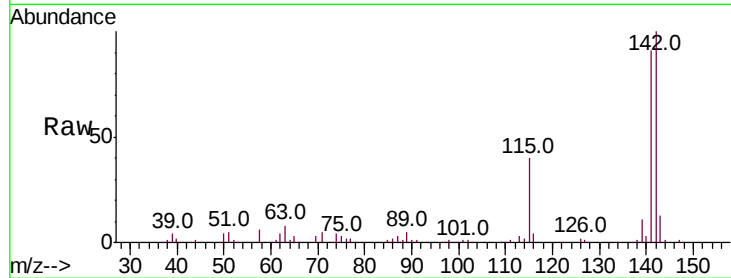
#37  
 2-Methylnaphthalene  
 Concen: 47.788 ng  
 RT: 12.54 min Scan# 1574  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampled :  
 PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 90.8  | 71.9  | 107.9 |
| 115     | 39.5  | 27.8  | 41.8  |

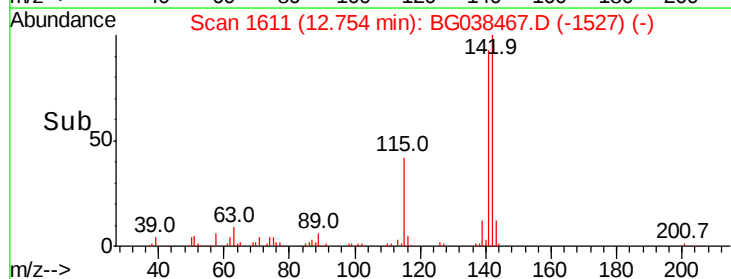
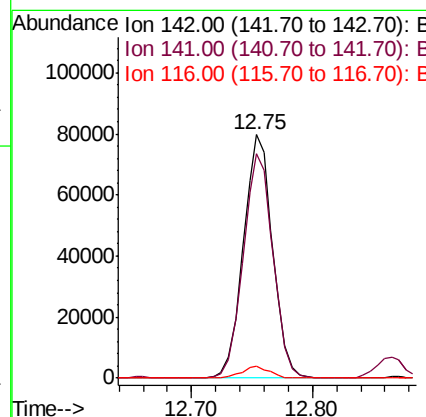
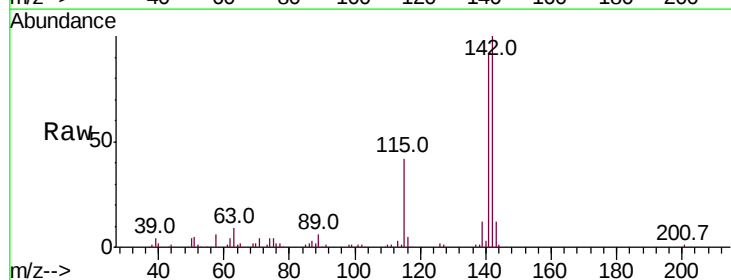
Manual Integrations  
 APPROVED

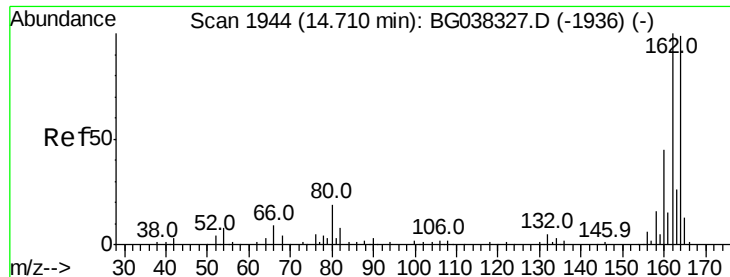
Sohil  
 12/11/2018 6:07:28 PM



#38  
 1-Methylnaphthalene  
 Concen: 39.696 ng  
 RT: 12.75 min Scan# 1611  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 92.3  | 75.2  | 112.8 |
| 116     | 4.6   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1943

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

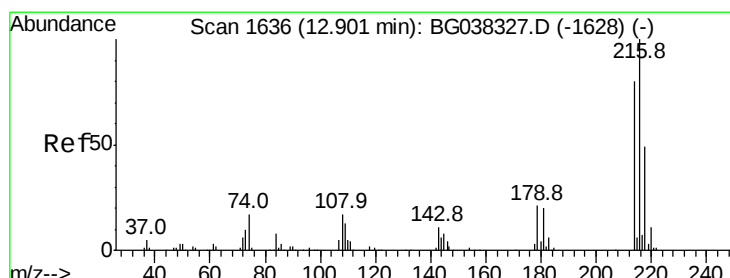
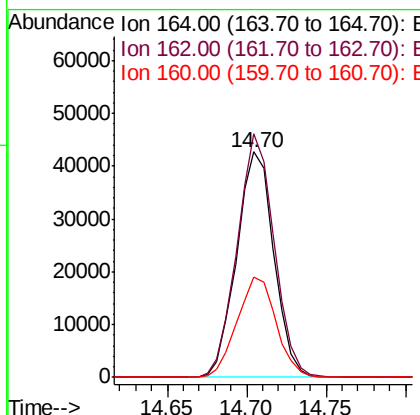
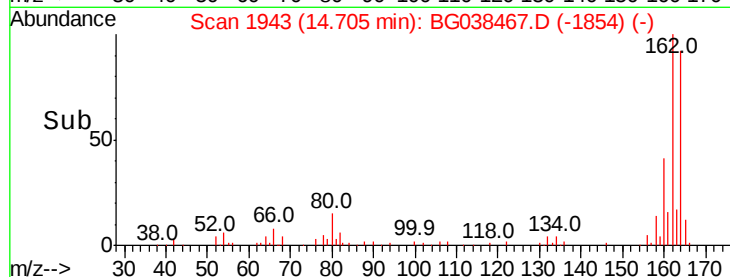
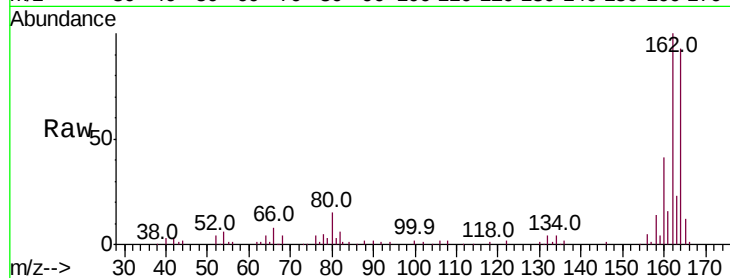
ClientSampleId :

PB115480BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 69441 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 108.1 | 81.3  | 121.9 |
| 160       | 44.6  | 36.3  | 54.5  |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 34.076 ng

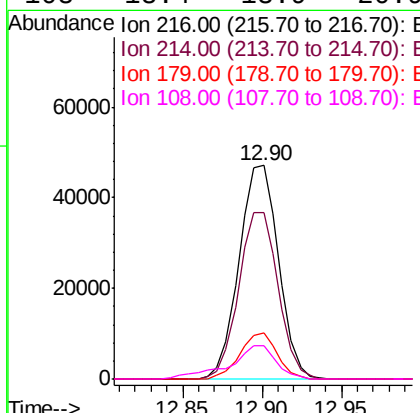
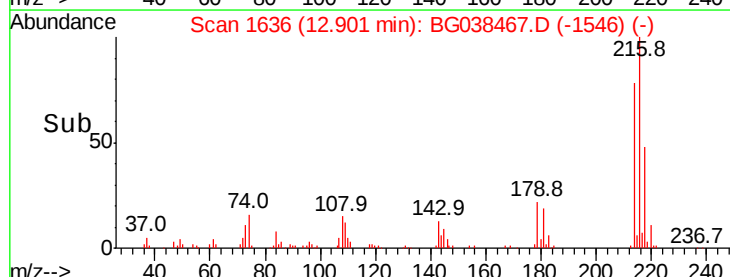
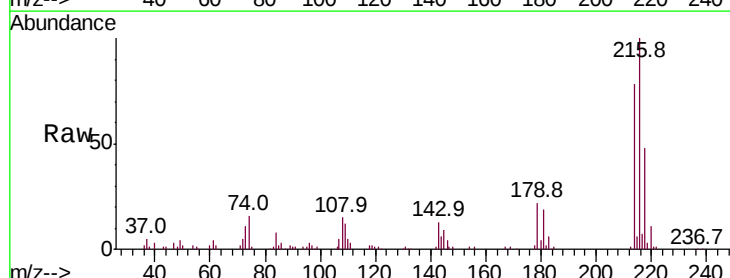
RT: 12.90 min Scan# 1636

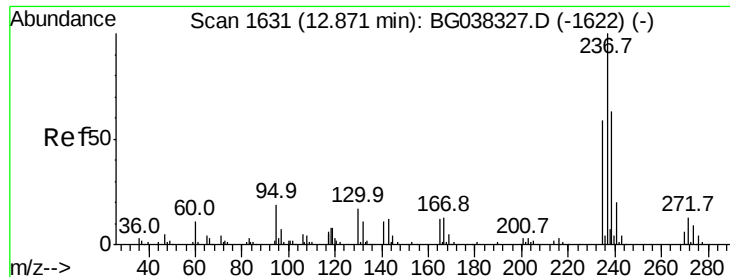
Delta R.T. 0.00 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 81424 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 77.7  | 63.8  | 95.6  |
| 179       | 20.3  | 17.4  | 26.0  |
| 108       | 18.4  | 13.9  | 20.9  |





#41

Hexachlorocyclopentadiene

Concen: 76.834 ng

RT: 12.87 min Scan# 1630

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

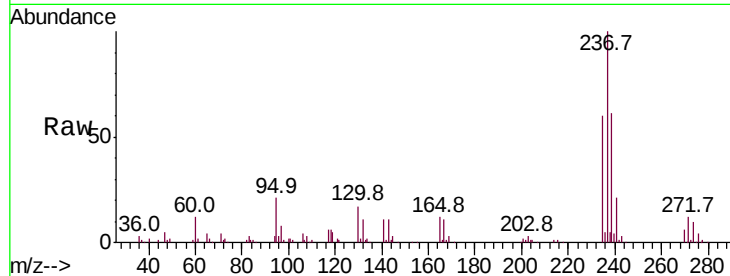
ClientSampleId :

PB115480BS

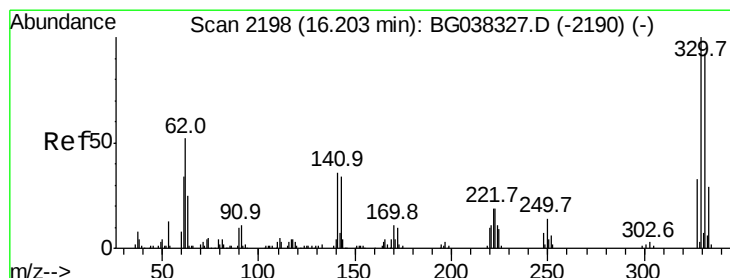
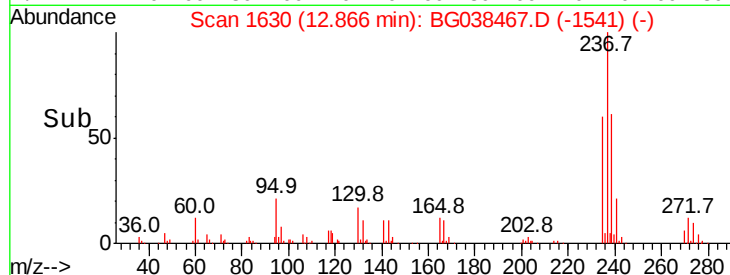
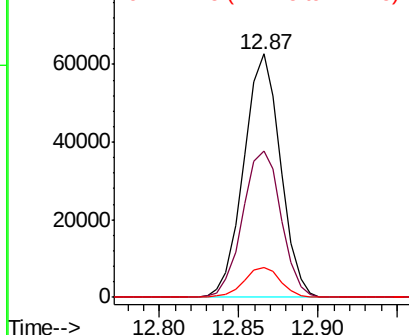
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 237   | Resp: | 100891 |
| Ion Ratio | Lower | Upper |        |
| 237       | 100   |       |        |
| 235       | 60.2  | 42.5  | 82.5   |
| 272       | 12.2  | 0.0   | 31.6   |

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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: 123.952 ng

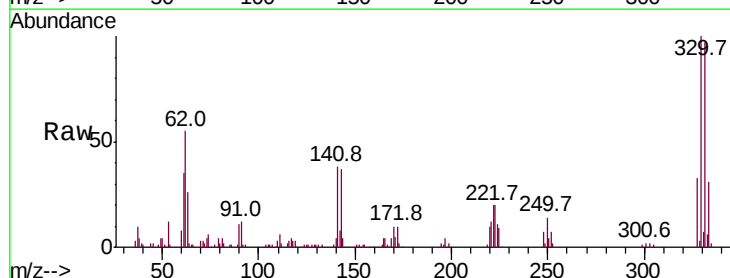
RT: 16.20 min Scan# 2197

Delta R.T. -0.01 min

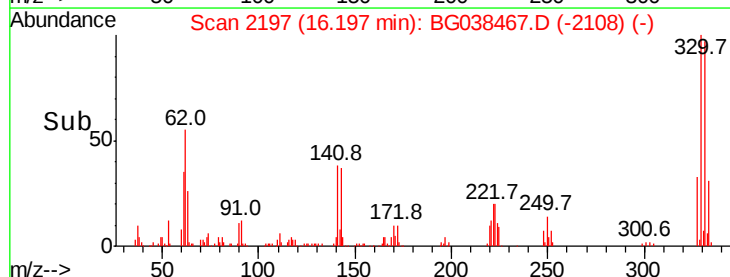
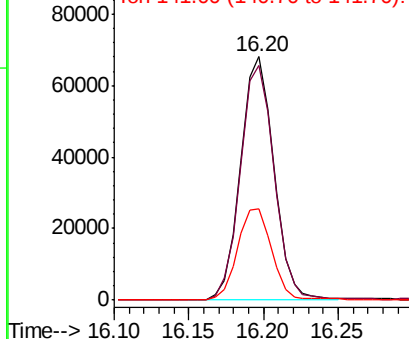
Lab File: BG038467.D

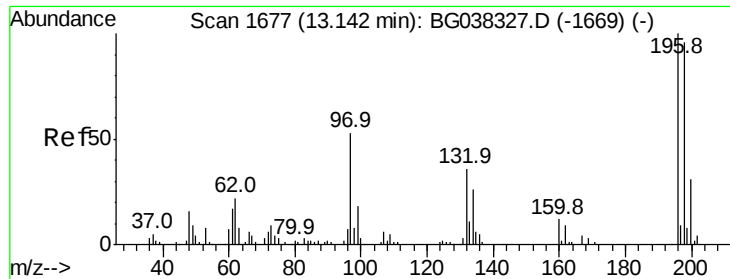
Acq: 11 Dec 2018 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 330   | Resp: | 105666 |
| Ion Ratio | Lower | Upper |        |
| 330       | 100   |       |        |
| 332       | 97.9  | 78.4  | 117.6  |
| 141       | 38.9  | 32.2  | 48.2   |



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





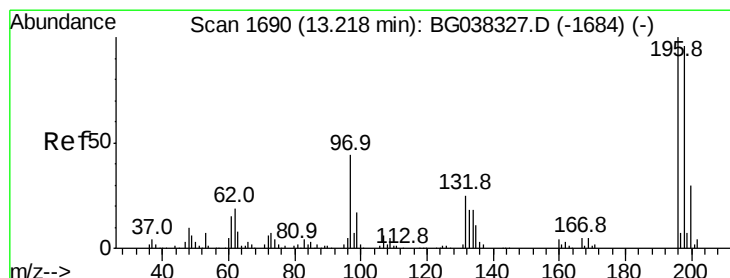
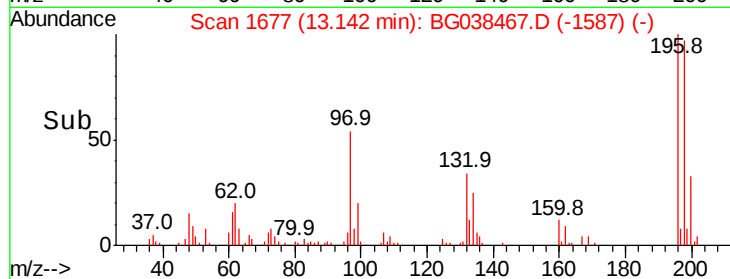
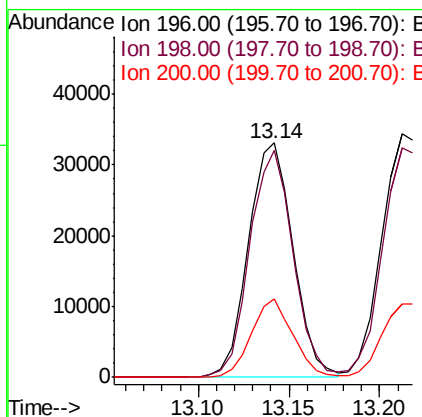
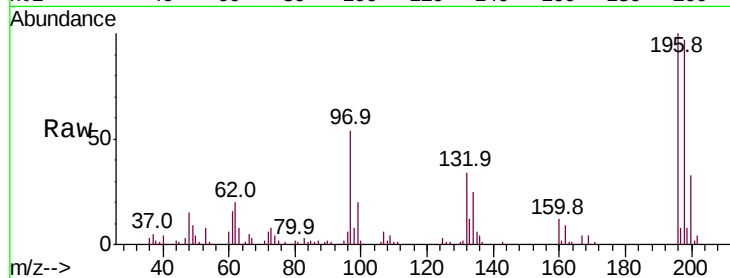
#43  
 2,4,6-Trichlorophenol  
 Concen: 36.467 ng  
 RT: 13.14 min Scan# 1677  
 Delta R.T. 0.00 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 56446 |       |       |
| 198     | 96.5  | 76.4  | 114.6 |       |
| 200     | 33.4  | 24.9  | 37.3  |       |

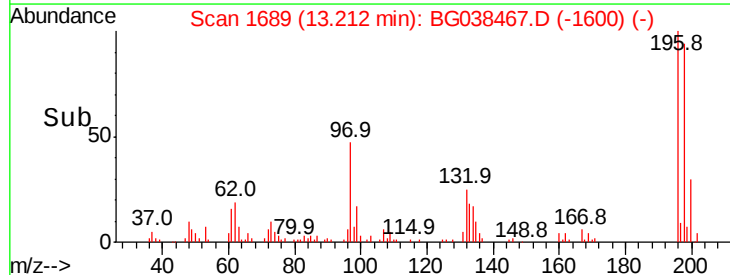
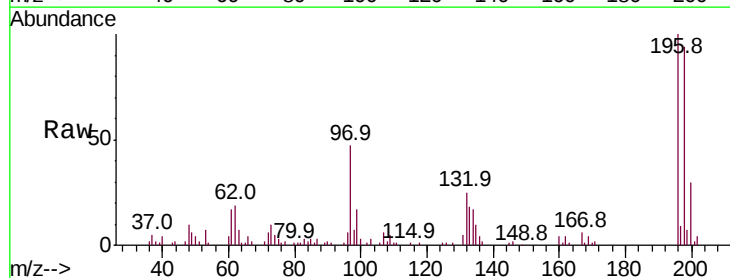
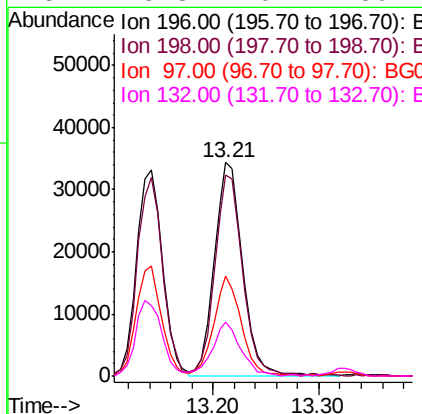
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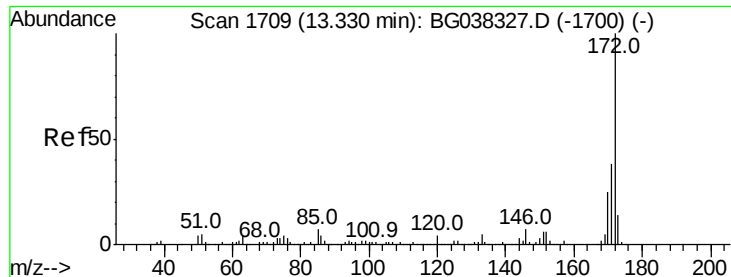
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#44  
 2,4,5-Trichlorophenol  
 Concen: 39.319 ng  
 RT: 13.21 min Scan# 1689  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 64475 |       |       |
| 198     | 94.3  | 74.2  | 111.2 |       |
| 97      | 46.9  | 34.1  | 51.1  |       |
| 132     | 25.3  | 20.2  | 30.4  |       |





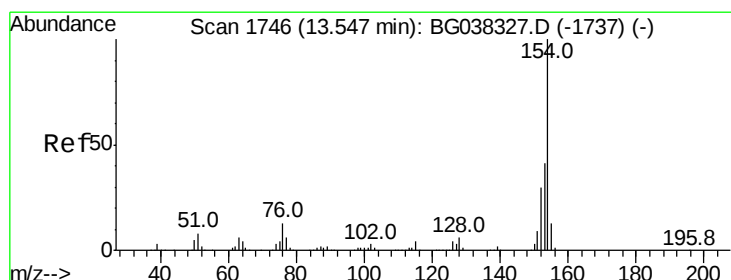
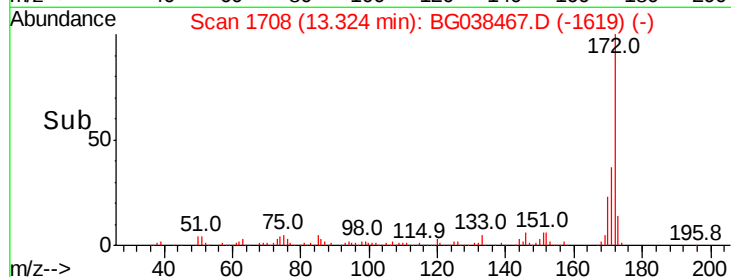
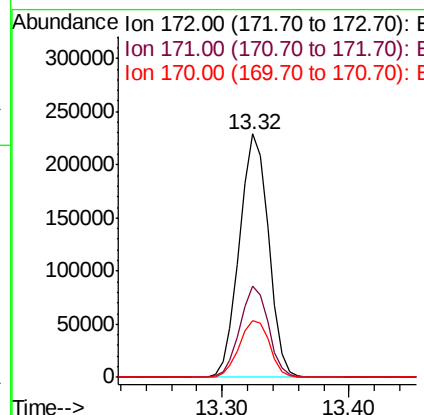
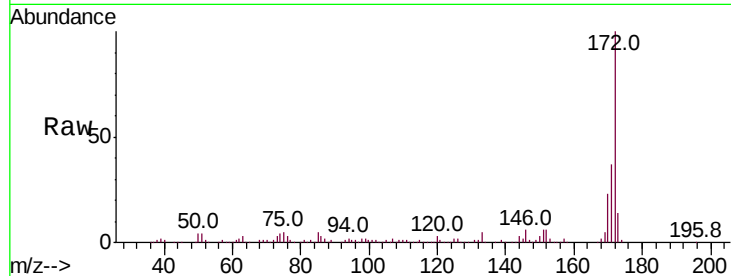
#45  
2-Fluorobiphenyl  
Concen: 74.476 ng  
RT: 13.32 min Scan# 1708  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 31.0  | 46.4  |
| 170     | 23.4  | 20.2  | 30.2  |

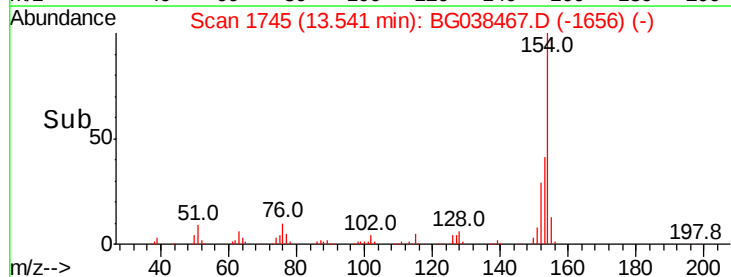
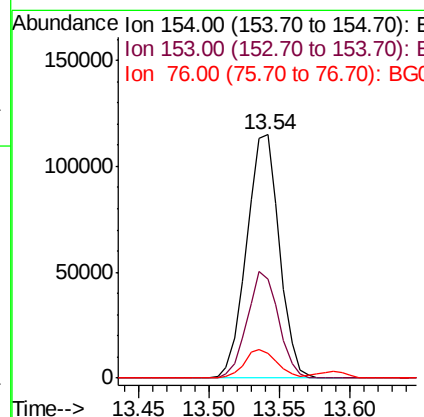
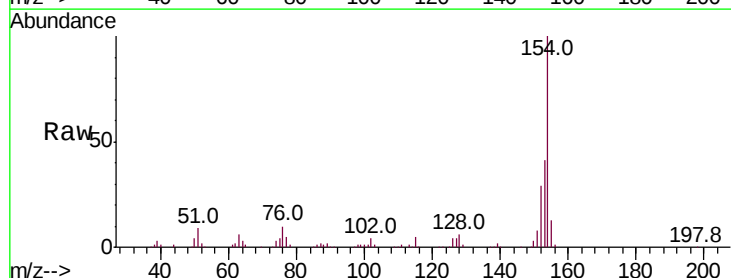
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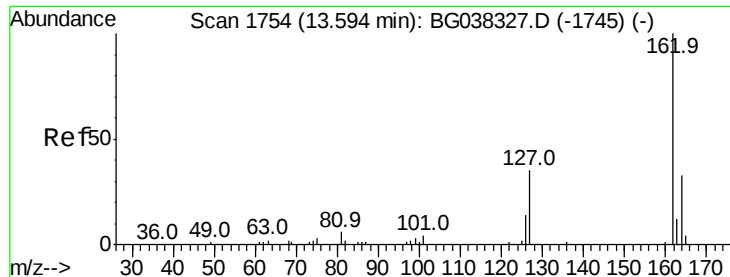
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12/11/2018 6:07:28 PM



#46  
1,1'-Biphenyl  
Concen: 31.797 ng  
RT: 13.54 min Scan# 1745  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 40.5  | 22.1  | 62.1  |
| 76      | 10.4  | 0.0   | 33.2  |





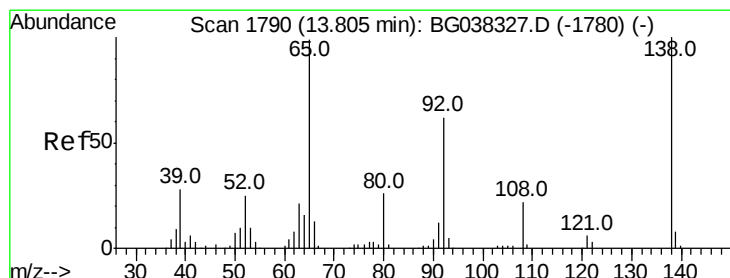
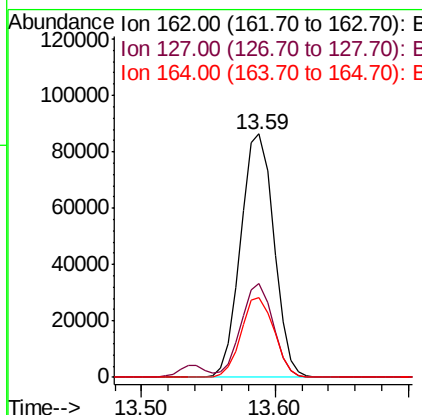
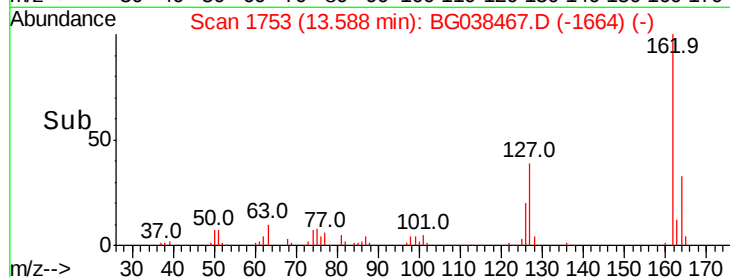
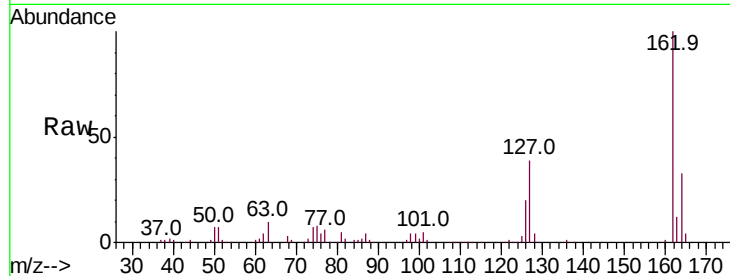
#47  
 2-Chloronaphthalene  
 Concen: 33.596 ng  
 RT: 13.59 min Scan# 1753  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 38.7  | 30.5  | 45.7  |
| 164     | 33.0  | 26.4  | 39.6  |

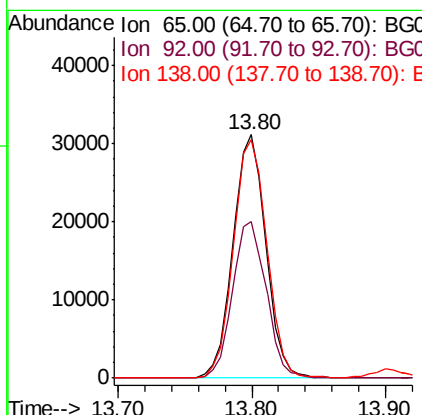
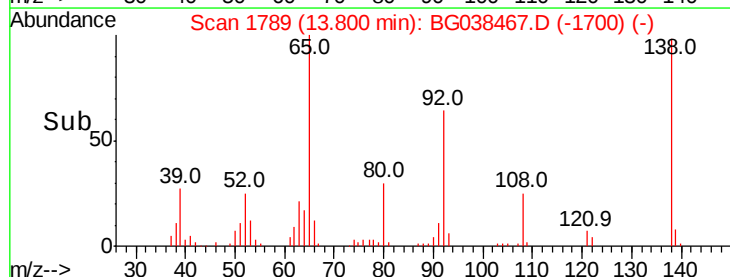
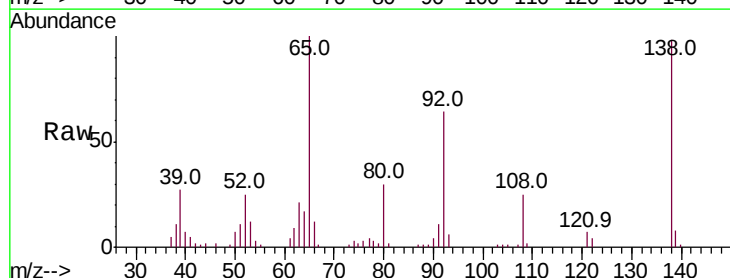
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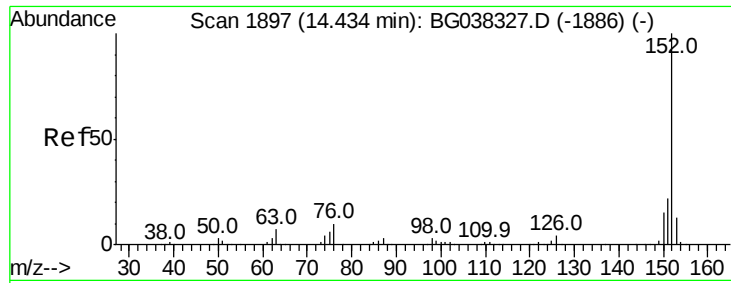
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#48  
 2-Nitroaniline  
 Concen: 35.696 ng  
 RT: 13.80 min Scan# 1789  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 64.3  | 53.2  | 79.8  |
| 138     | 97.9  | 79.3  | 118.9 |





#49

Acenaphthylene

Concen: 37.442 ng

RT: 14.43 min Scan# 1897

Delta R.T. 0.00 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

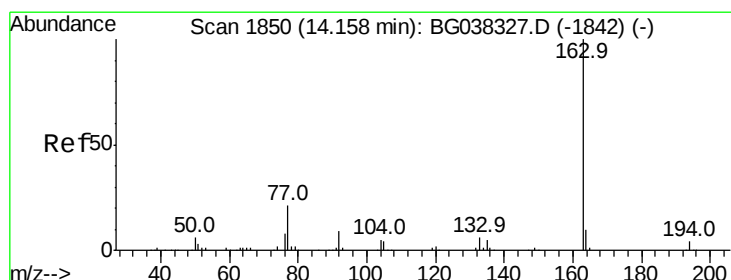
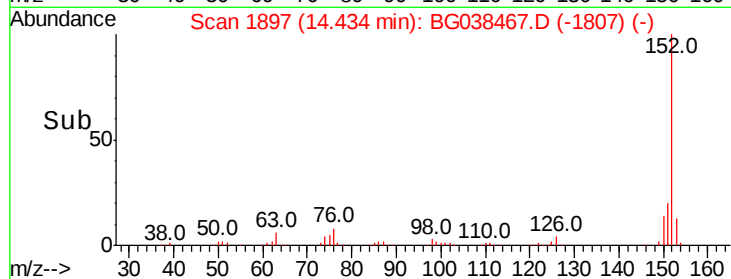
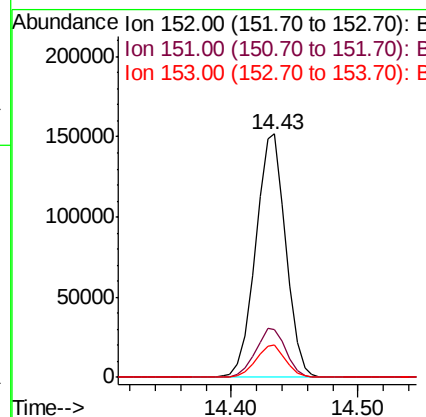
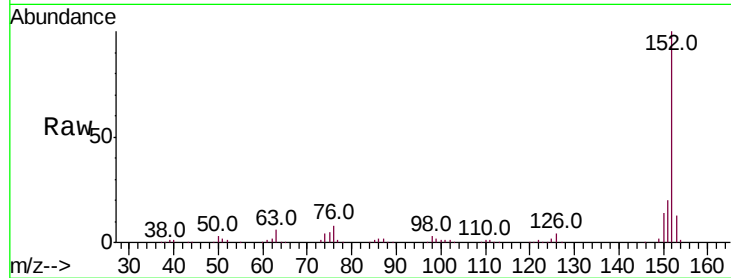
ClientSampleId :

PB115480BS

| Tot Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 152     | 100  |       | 249770 |       |       |
| 151     | 19.6 | 17.1  | 25.7   |       |       |
| 153     | 13.2 | 11.1  | 16.7   |       |       |

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#50

Dimethylphthalate

Concen: 36.825 ng

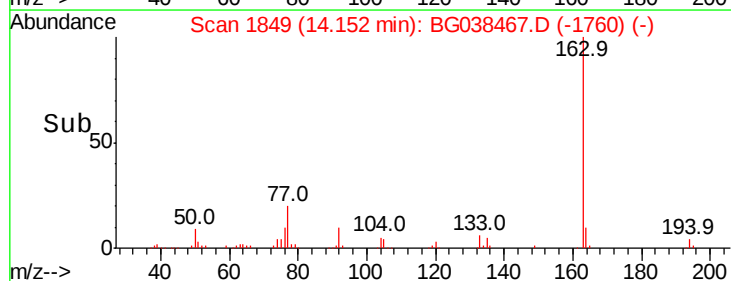
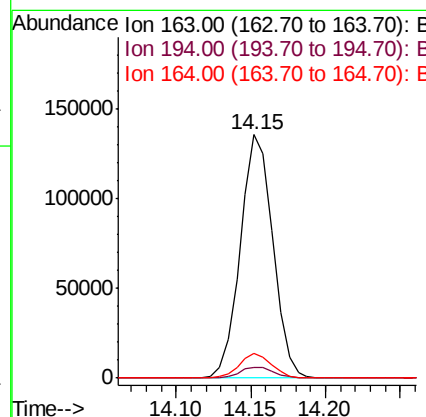
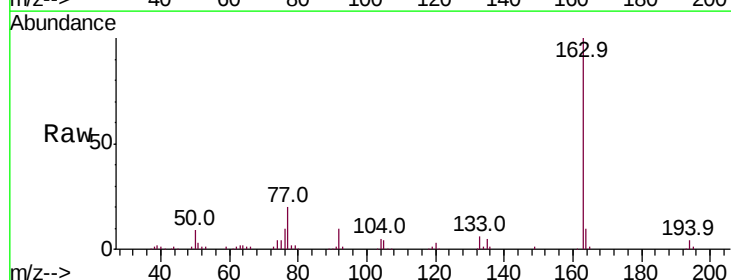
RT: 14.15 min Scan# 1849

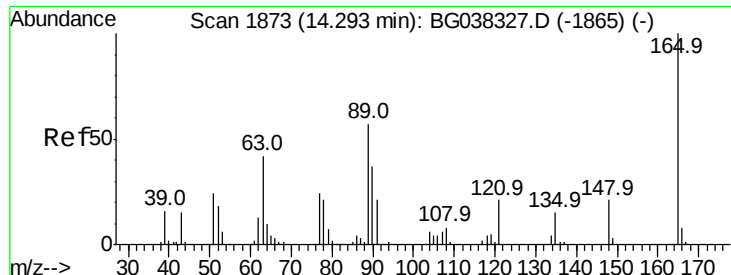
Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

| Tgt Ion | Ion  | Ratio | Resp   | Lower | Upper |
|---------|------|-------|--------|-------|-------|
| 163     | 100  |       | 205108 |       |       |
| 194     | 4.5  | 3.5   | 5.3    |       |       |
| 164     | 10.2 | 8.5   | 12.7   |       |       |





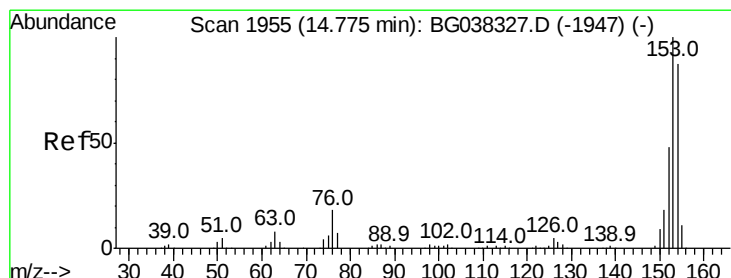
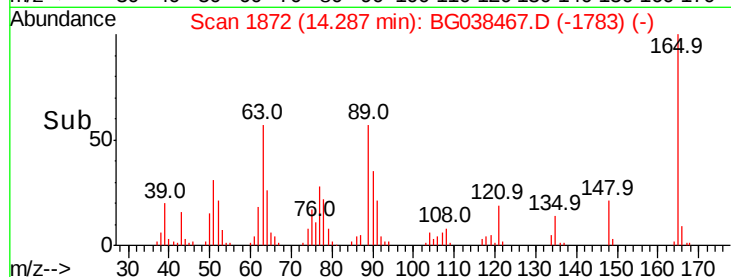
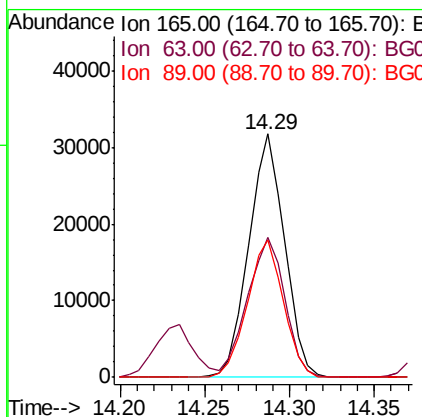
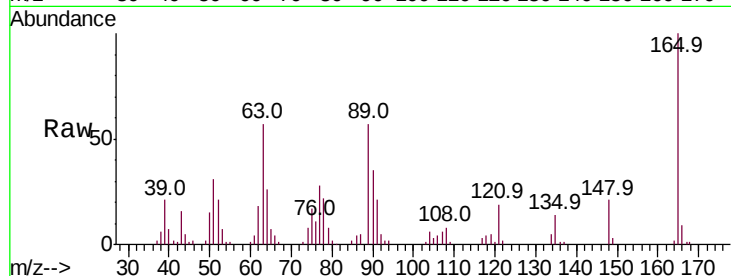
#51  
 2,6-Dinitrotoluene  
 Concen: 36.770 ng  
 RT: 14.29 min Scan# 1872  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 46783 |       |       |
| 63      | 57.3  | 43.4  | 65.2  |       |
| 89      | 56.7  | 45.8  | 68.6  |       |

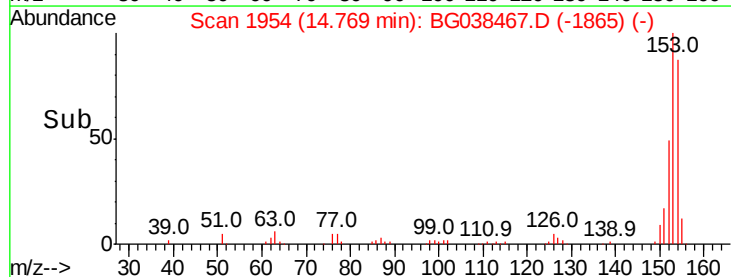
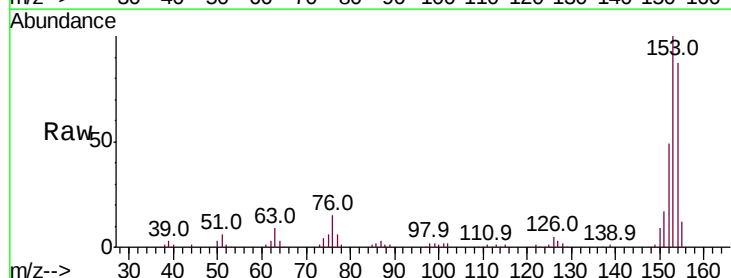
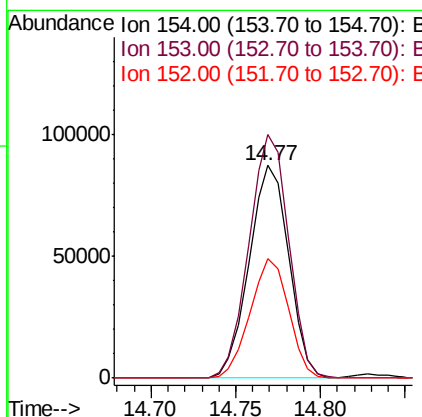
Manual Integrations  
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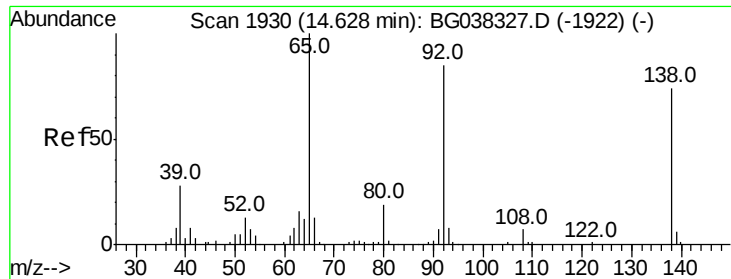
Sohil  
 12/11/2018 6:07:28 PM



#52  
 Acenaphthene  
 Concen: 35.057 ng  
 RT: 14.77 min Scan# 1954  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 154     | 100   | 142570 |       |       |
| 153     | 114.6 | 93.4   | 140.0 |       |
| 152     | 56.0  | 44.7   | 67.1  |       |





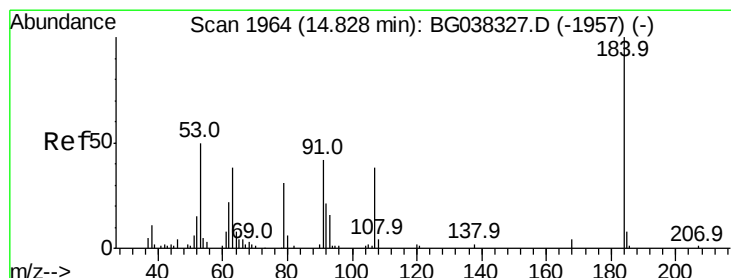
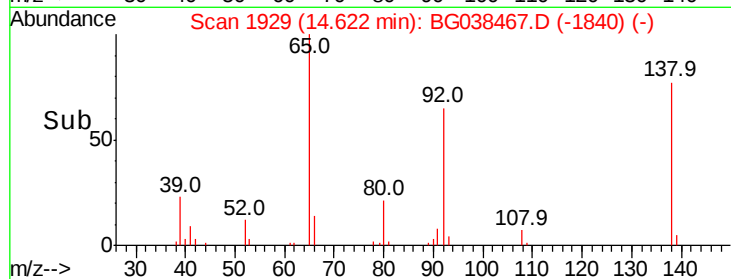
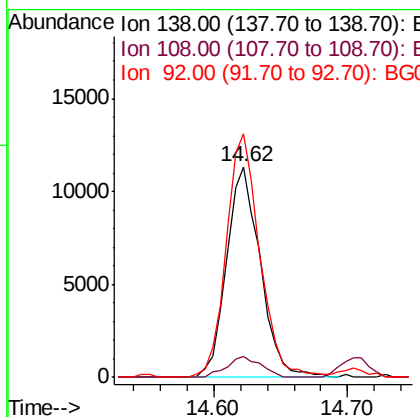
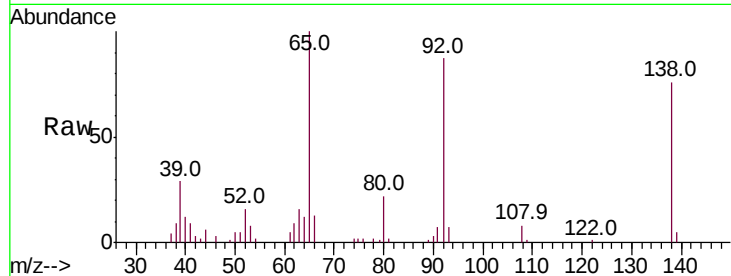
#53  
3-Nitroaniline  
Concen: 14.605 ng  
RT: 14.62 min Scan# 1929  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.1  | 11.0  | 16.6# |
| 92      | 115.5 | 95.2  | 142.8 |

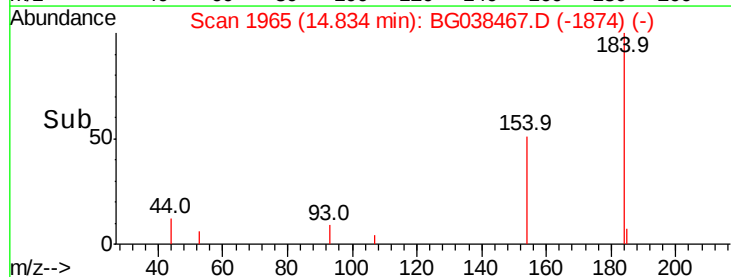
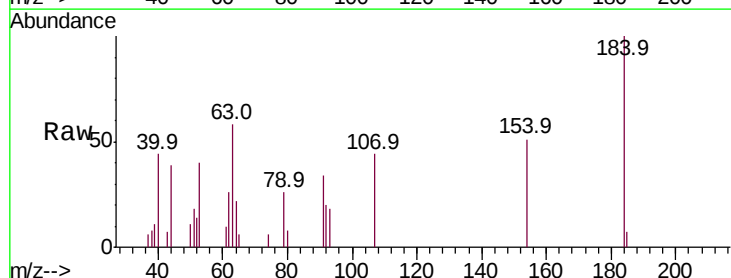
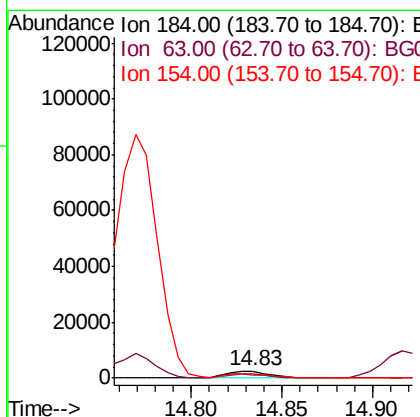
Manual Integrations  
APPROVED

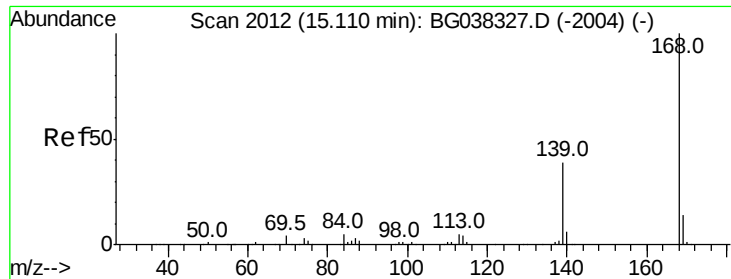
Sohil  
12/11/2018 6:07:28 PM



#54  
2,4-Dinitrophenol  
Concen: 6.089 ng  
RT: 14.83 min Scan# 1965  
Delta R.T. 0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 57.5  | 42.6  | 63.8  |
| 154     | 50.7  | 41.8  | 62.6  |





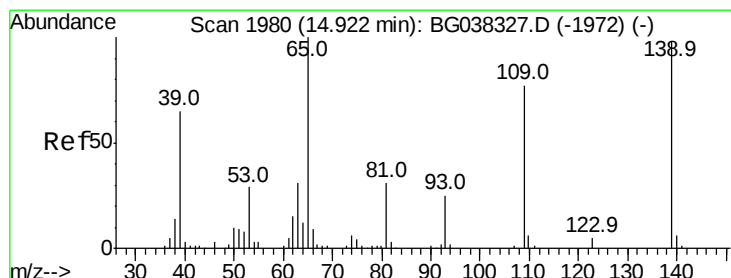
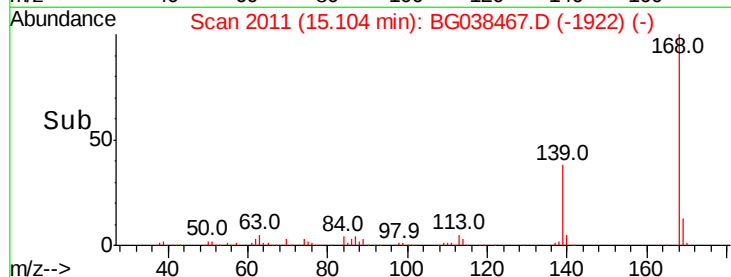
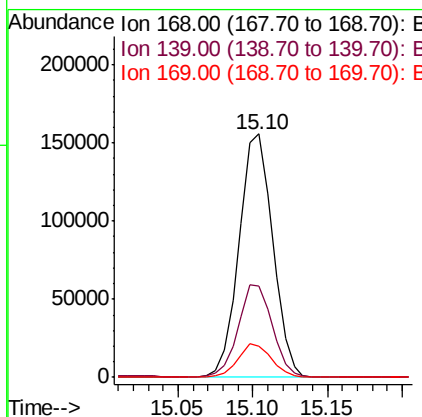
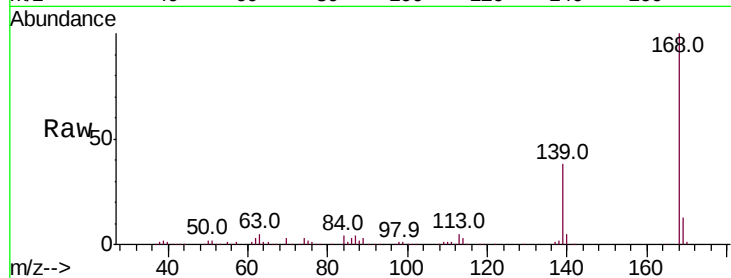
#55  
Dibenzenofuran  
Concen: 36.383 ng  
RT: 15.10 min Scan# 2011  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 168     | 100   |      |       |       |
| 139     | 37.7  | 29.4 | 44.0  |       |
| 169     | 12.9  | 11.0 | 16.6  |       |

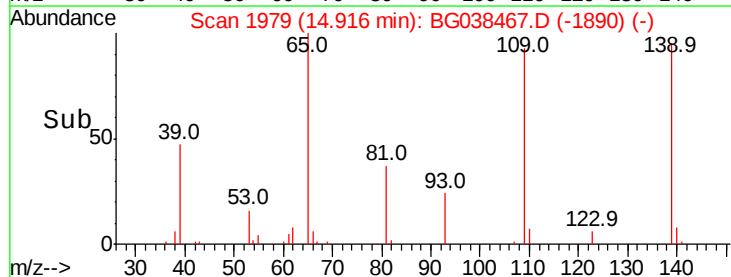
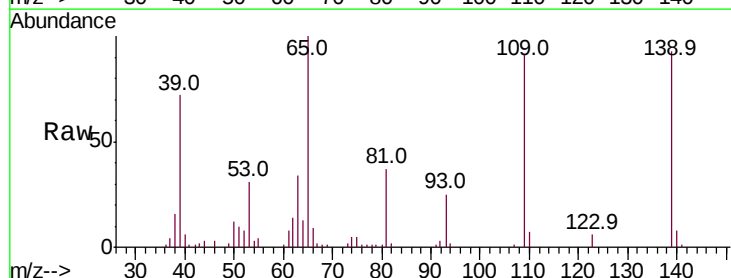
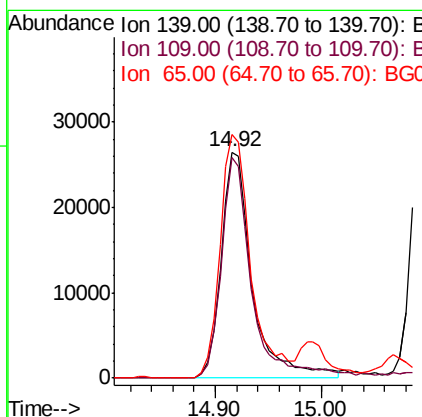
Manual Integrations  
APPROVED

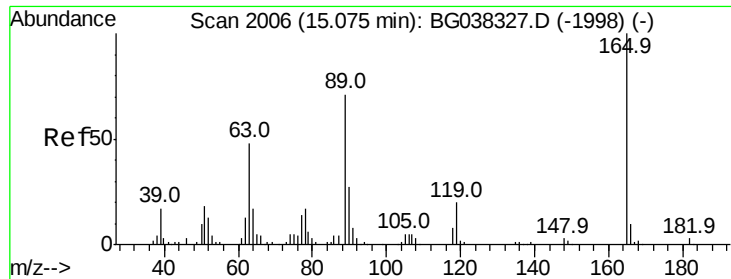
Sohil  
12/11/2018 6:07:28 PM



#56  
4-Nitrophenol  
Concen: 49.941 ng  
RT: 14.92 min Scan# 1979  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 139     | 100   |      |       |       |
| 109     | 97.7  | 49.5 | 89.5# |       |
| 65      | 107.9 | 76.8 | 116.8 |       |





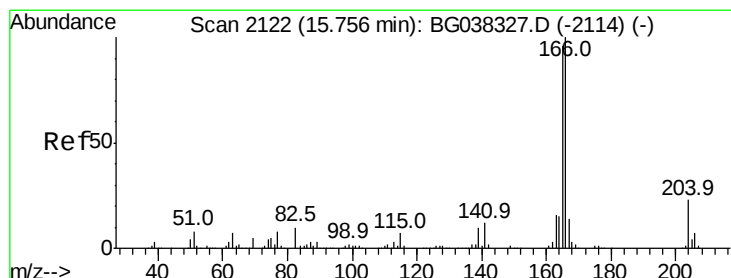
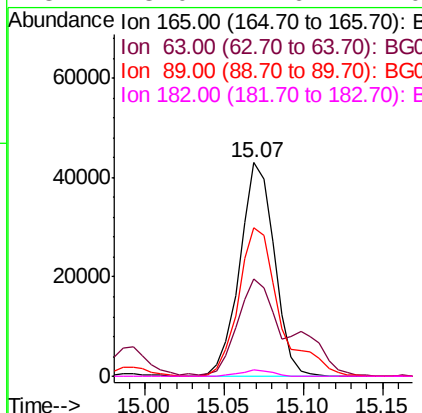
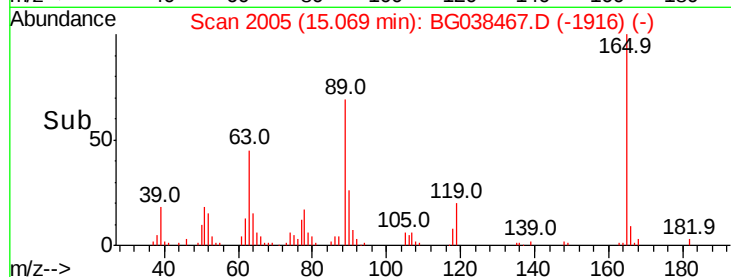
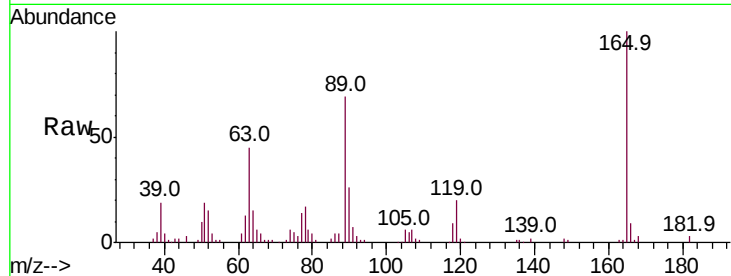
#57  
2,4-Dinitrotoluene  
Concen: 37.186 ng  
RT: 15.07 min Scan# 2005  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 65254 |       |       |
| 63      | 45.3  |       | 33.4  | 50.0  |
| 89      | 69.5  |       | 57.2  | 85.8  |
| 182     | 3.0   |       | 2.6   | 4.0   |

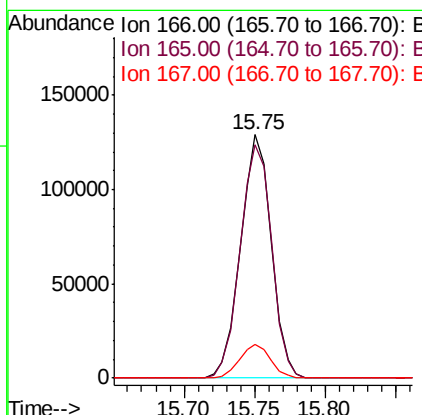
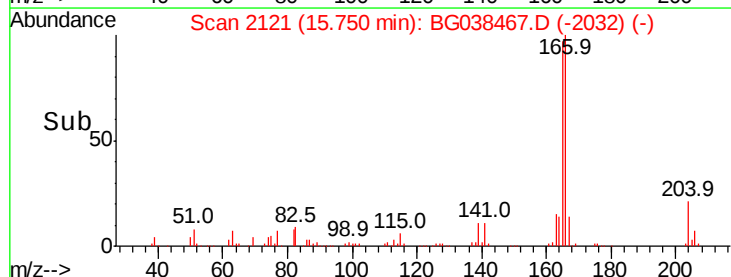
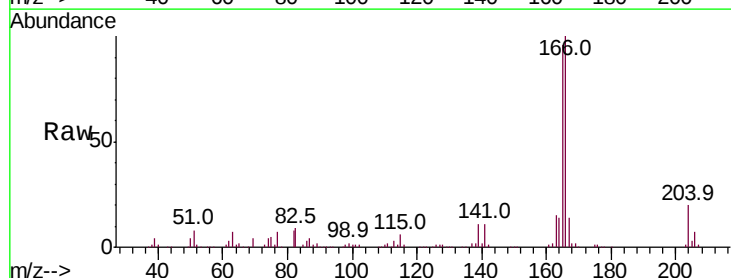
Manual Integrations  
APPROVED

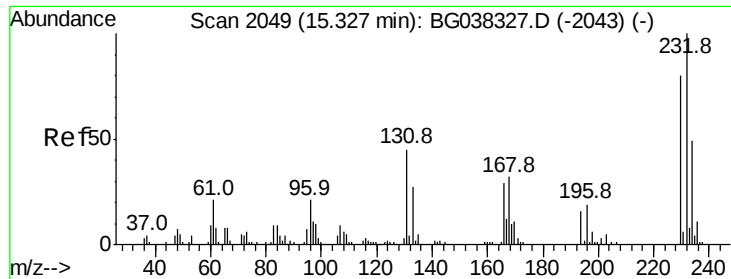
Sohil  
12/11/2018 6:07:28 PM



#58  
Fluorene  
Concen: 39.631 ng  
RT: 15.75 min Scan# 2121  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 196302 |       |       |
| 165     | 95.8  |        | 79.0  | 118.6 |
| 167     | 14.0  |        | 11.3  | 16.9  |





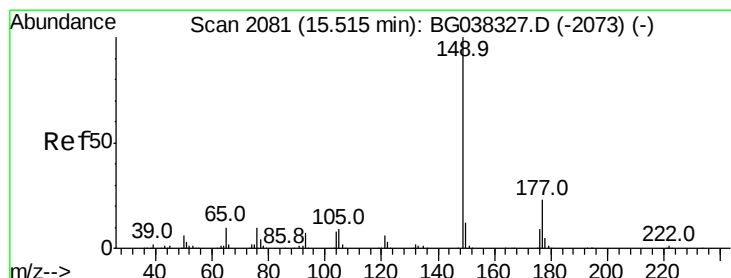
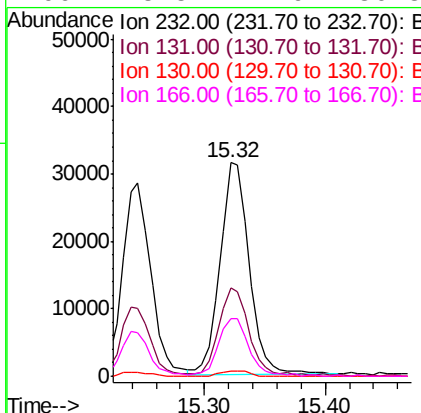
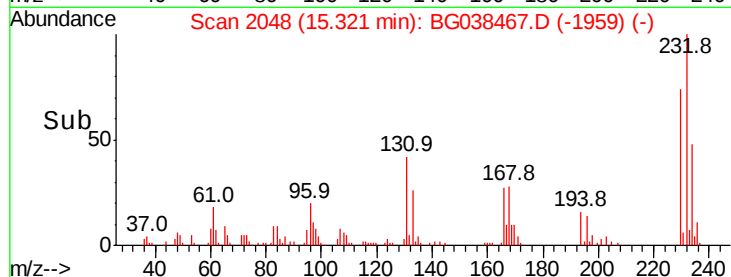
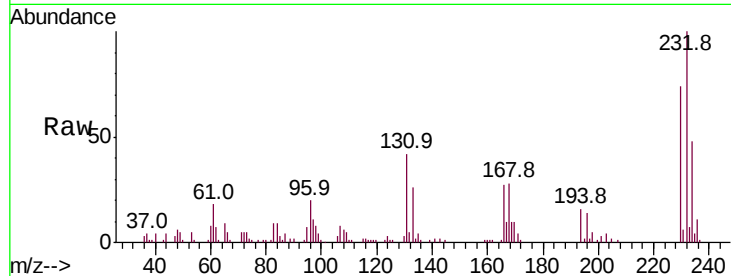
#59  
 2,3,4,6-Tetrachlorophenol  
 Concen: 36.922 ng  
 RT: 15.32 min Scan# 2048  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 44.4  | 33.7  | 50.5  |
| 130     | 2.3   | 2.1   | 3.1   |
| 166     | 28.5  | 24.6  | 36.8  |

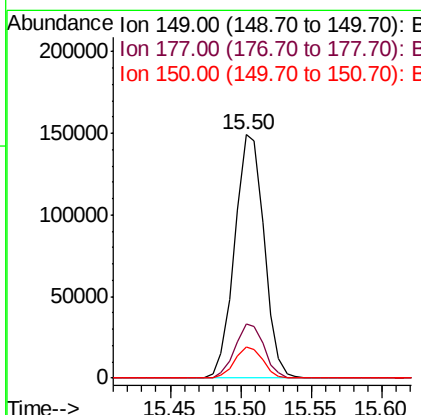
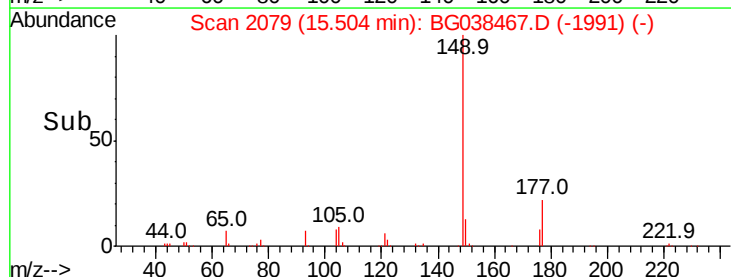
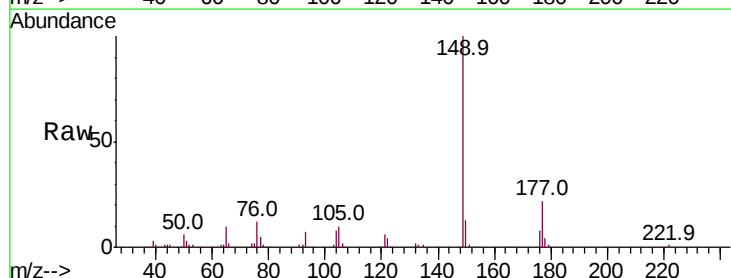
Manual Integrations  
 APPROVED

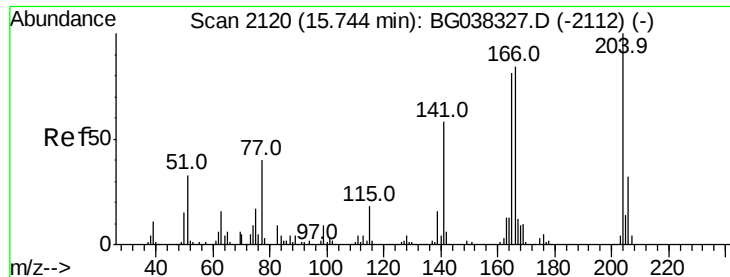
Sohil  
 12/11/2018 6:07:28 PM



#60  
 Diethylphthalate  
 Concen: 35.081 ng  
 RT: 15.50 min Scan# 2079  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.2  | 18.3  | 27.5  |
| 150     | 12.9  | 10.0  | 15.0  |





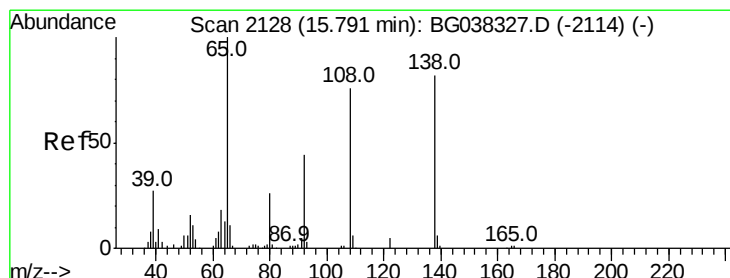
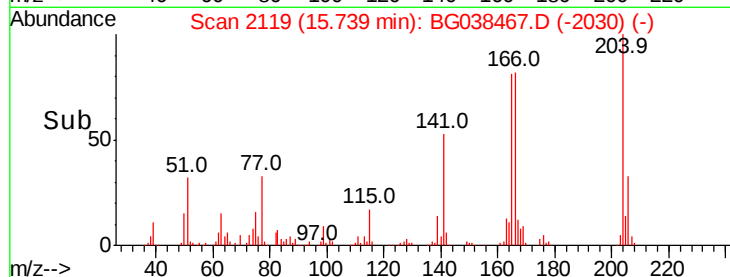
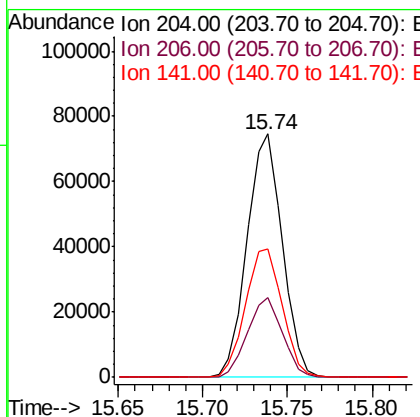
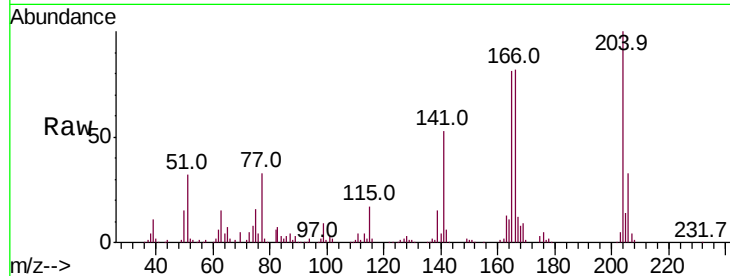
#61  
4-Chlorophenyl-phenylether  
Concen: 36.466 ng  
RT: 15.74 min Scan# 2119  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampled :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.8  | 26.6  | 39.8  |
| 141     | 52.6  | 45.4  | 68.2  |

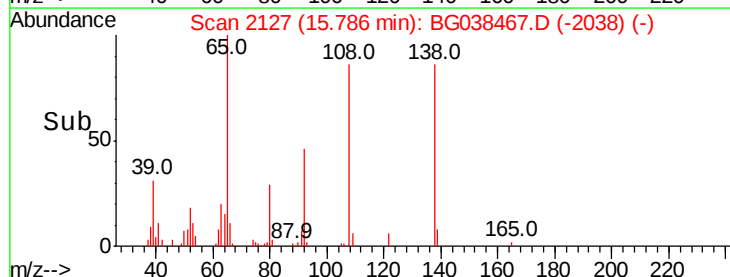
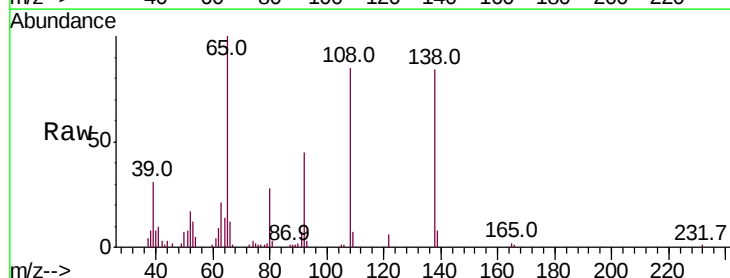
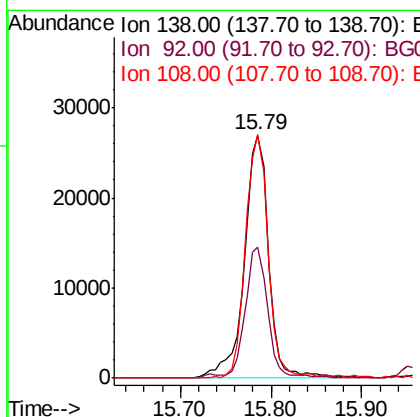
Manual Integrations  
APPROVED

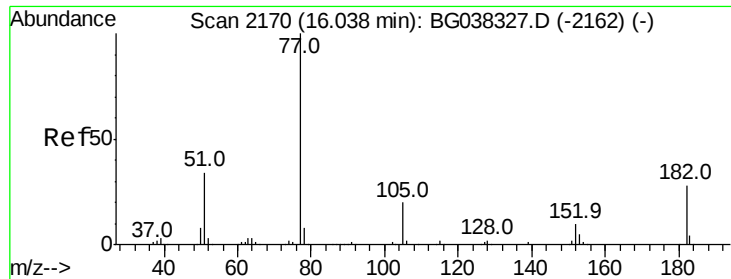
Sohil  
12/11/2018 6:07:28 PM



#62  
4-Nitroaniline  
Concen: 37.088 ng  
RT: 15.79 min Scan# 2127  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 138     | 100   |       |        |
| 92      | 54.0  | 36.4  | 76.4   |
| 108     | 100.5 | 60.1  | 100.1# |





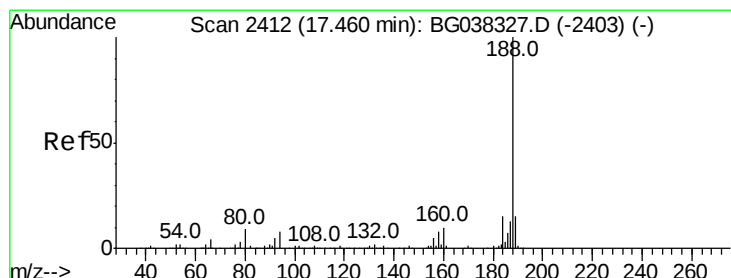
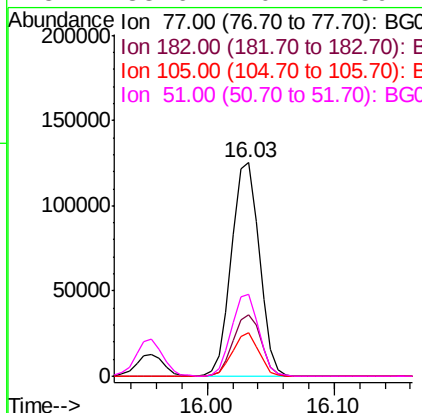
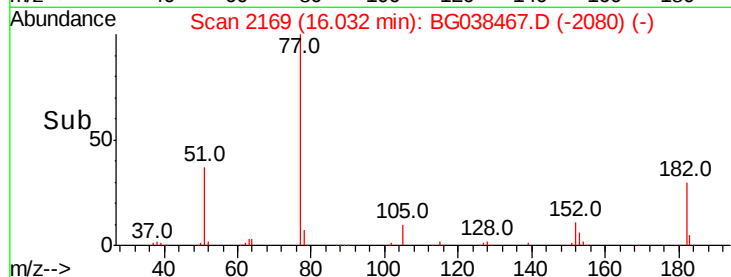
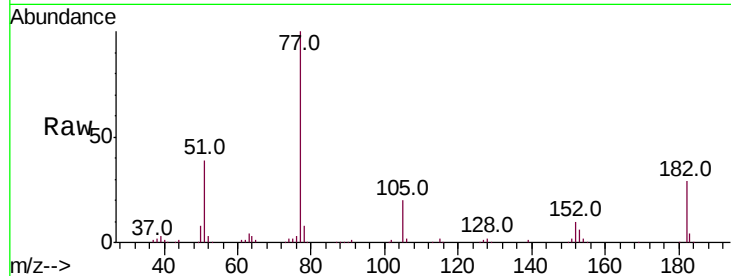
#63  
Azobenzene  
Concen: 35.329 ng  
RT: 16.03 min Scan# 2169  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 28.6  | 8.0   | 48.0  |
| 105     | 20.3  | 1.3   | 41.3  |
| 51      | 38.6  | 10.7  | 50.7  |

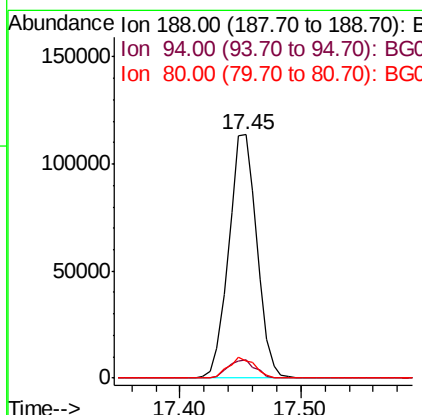
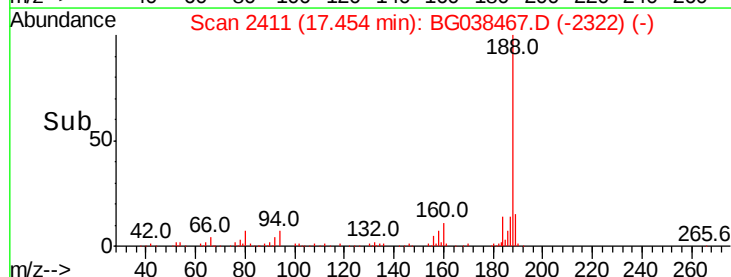
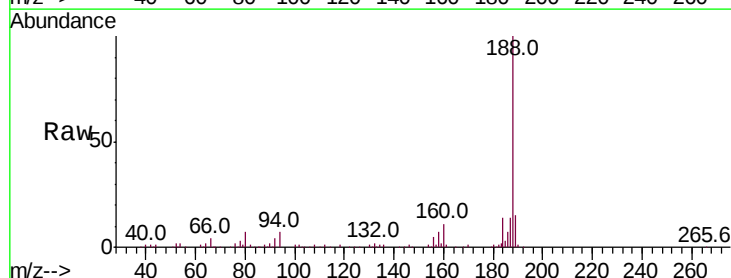
Manual Integrations  
APPROVED

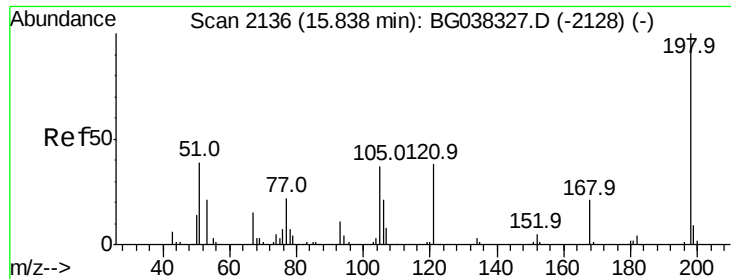
Sohil  
12/11/2018 6:07:28 PM



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.45 min Scan# 2411  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 7.5   | 7.2   | 10.8  |
| 80      | 6.9   | 7.7   | 11.5# |





#65

4,6-Dinitro-2-methylphenol

Concen: 7.571 ng

RT: 15.83 min Scan# 2135

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

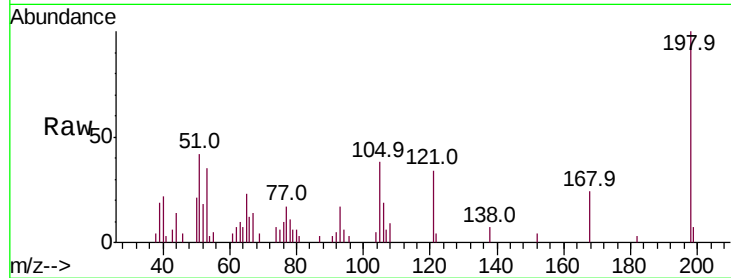
ClientSampleId :

PB115480BS

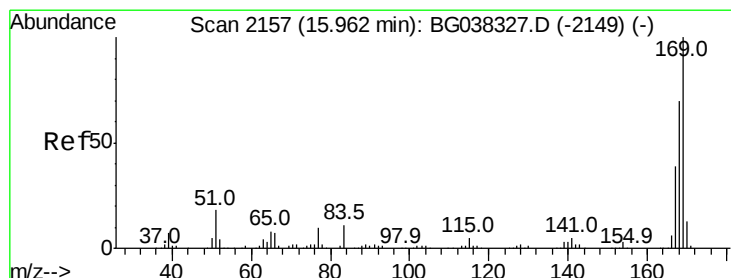
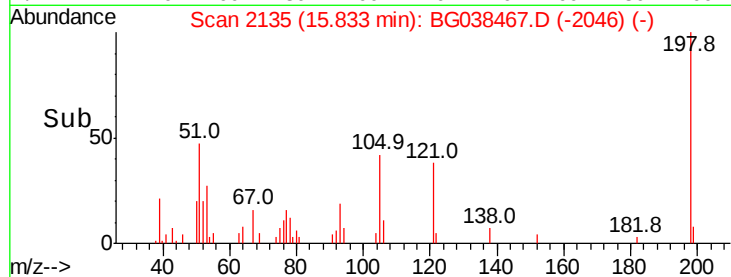
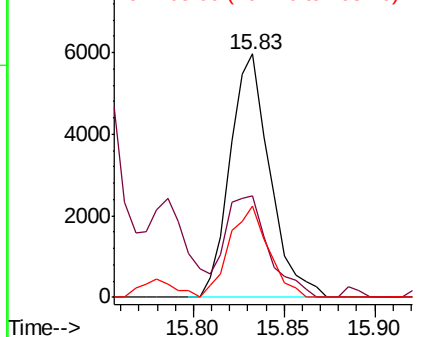
|           |       |       |      |
|-----------|-------|-------|------|
| Tot Ion:  | 198   | Resp: | 9153 |
| Ion Ratio | Lower | Upper |      |
| 198       | 100   |       |      |
| 51        | 41.6  | 22.7  | 62.7 |
| 105       | 37.7  | 19.7  | 59.7 |

Manual Integrations  
APPROVED

Sohil  
12/11/2018 6:07:28 PM



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



#66

n-Nitrosodiphenylamine

Concen: 34.775 ng

RT: 15.96 min Scan# 2156

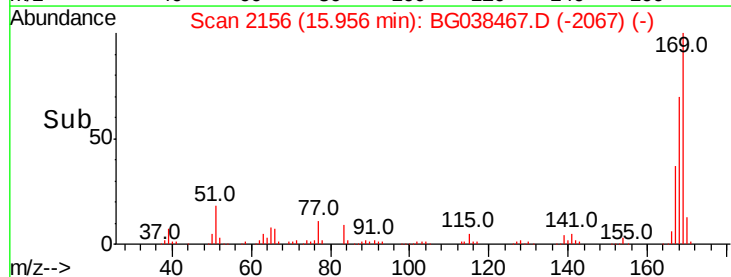
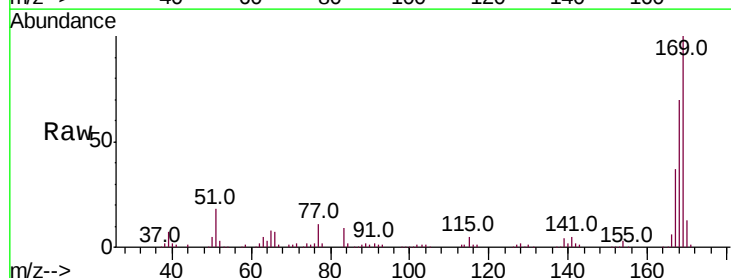
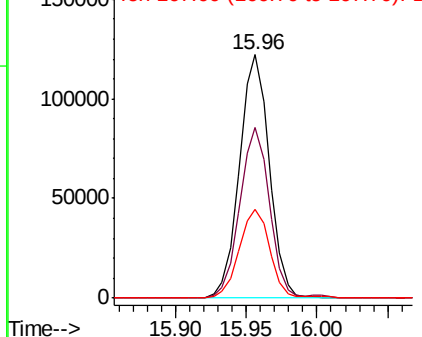
Delta R.T. -0.01 min

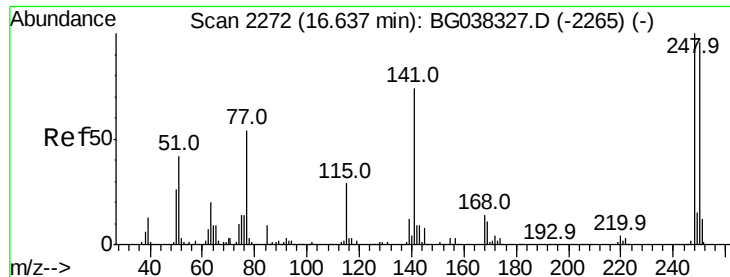
Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 169   | Resp: | 180446 |
| Ion Ratio | Lower | Upper |        |
| 169       | 100   |       |        |
| 168       | 70.1  | 55.7  | 83.5   |
| 167       | 36.5  | 31.3  | 46.9   |

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





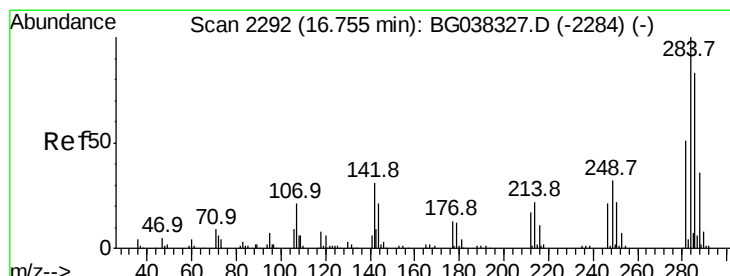
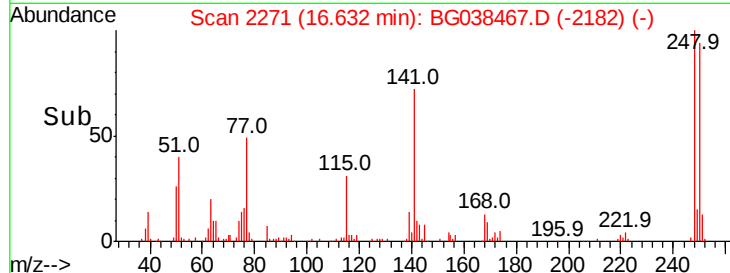
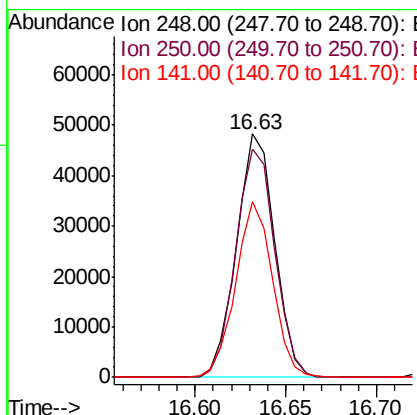
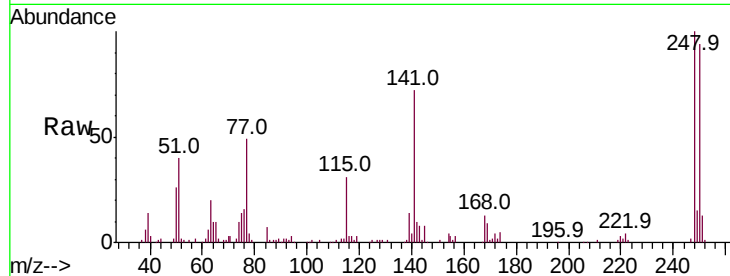
#67  
 4-Bromophenyl-phenylether  
 Concen: 35.562 ng  
 RT: 16.63 min Scan# 2271  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 248   | Resp: | 70864 |
| Ion Ratio | Lower | Upper |       |
| 248       | 100   |       |       |
| 250       | 93.6  | 77.0  | 115.6 |
| 141       | 72.0  | 55.5  | 83.3  |

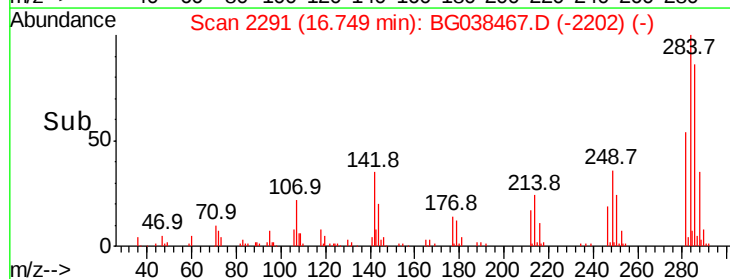
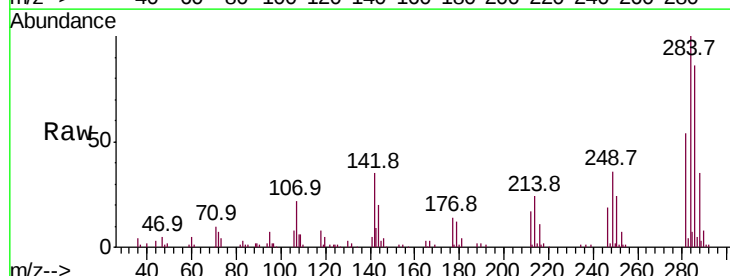
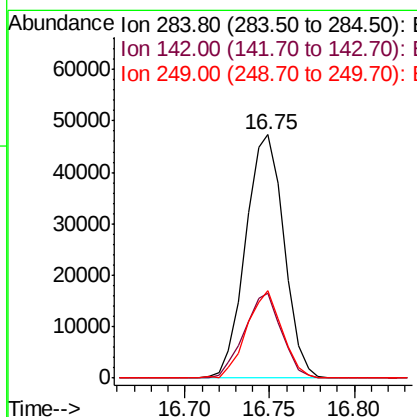
Manual Integrations  
 APPROVED

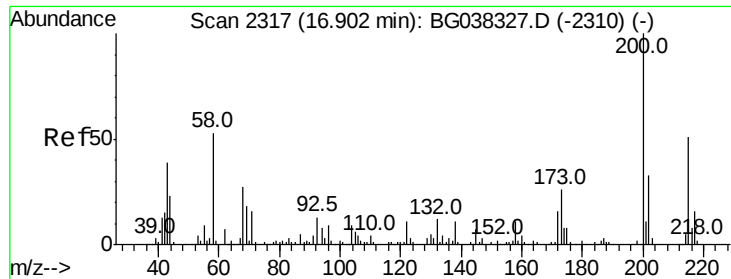
Sohil  
 12/11/2018 6:07:28 PM



#68  
 Hexachlorobenzene  
 Concen: 36.242 ng  
 RT: 16.75 min Scan# 2291  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 284   | Resp: | 74491 |
| Ion Ratio | Lower | Upper |       |
| 284       | 100   |       |       |
| 142       | 35.1  | 28.1  | 42.1  |
| 249       | 38.1  | 29.8  | 44.8  |





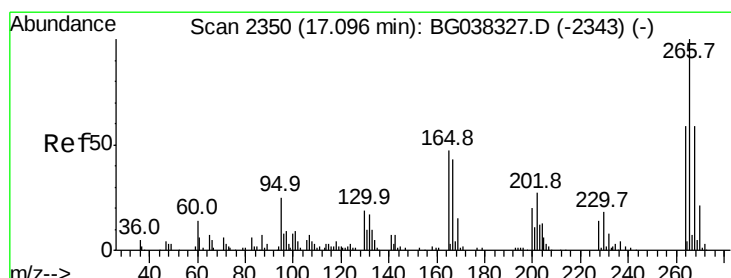
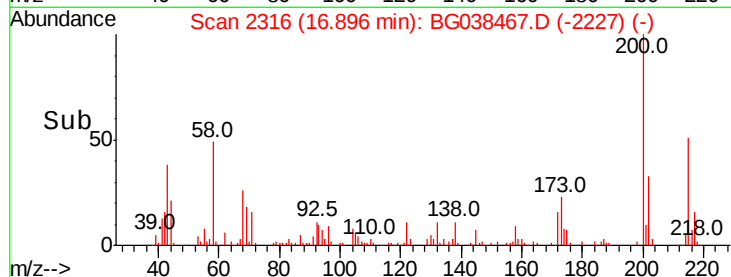
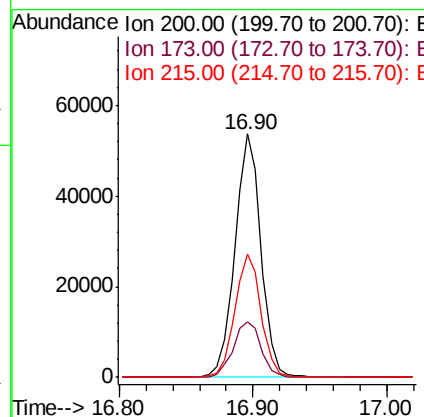
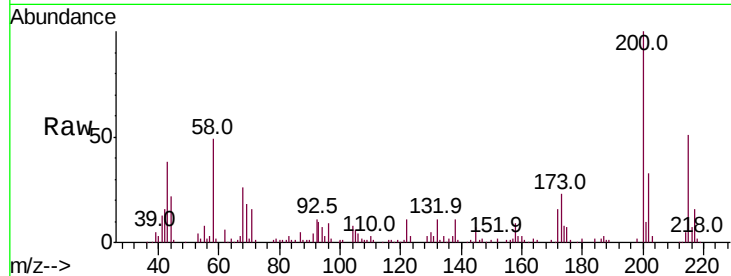
#69  
Atrazine  
Concen: 37.579 ng  
RT: 16.90 min Scan# 2316  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 200     | 100   | 72761 |       |       |
| 173     | 23.0  | 6.1   | 46.1  |       |
| 215     | 50.8  | 30.8  | 70.8  |       |

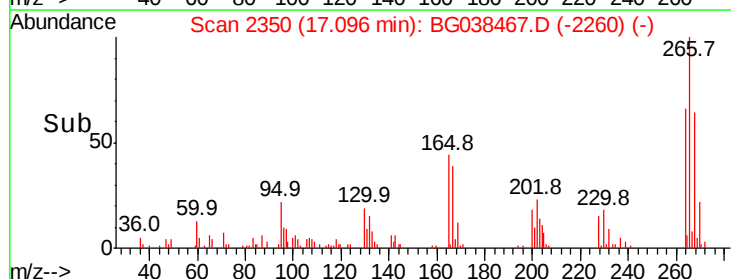
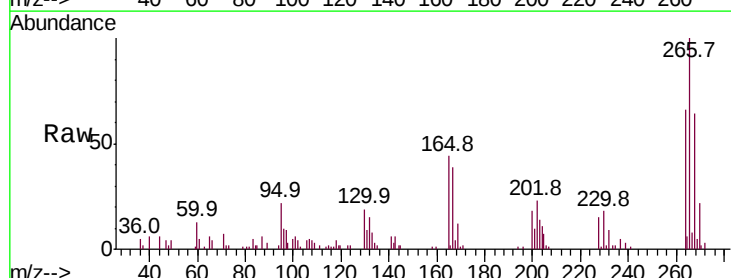
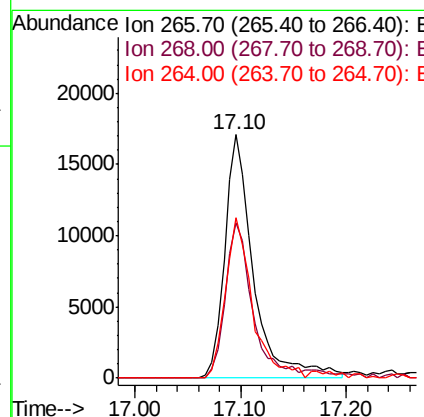
Manual Integrations  
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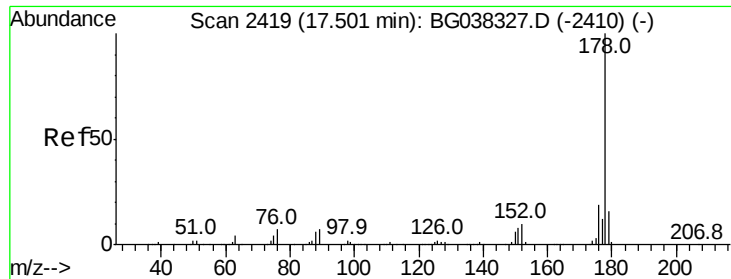
Sohil  
12/11/2018 6:07:28 PM



#70  
Pentachlorophenol  
Concen: 22.844 ng  
RT: 17.10 min Scan# 2350  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 266     | 100   | 32160 |       |       |
| 268     | 68.6  | 55.0  | 82.6  |       |
| 264     | 71.5  | 58.9  | 88.3  |       |





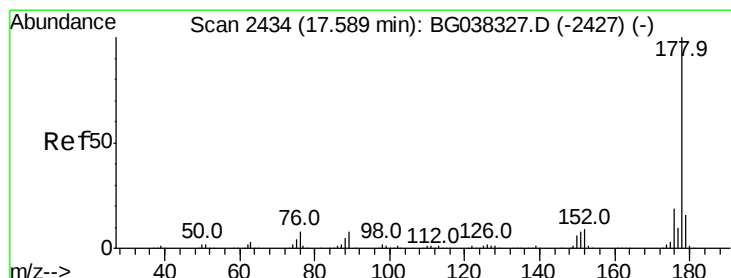
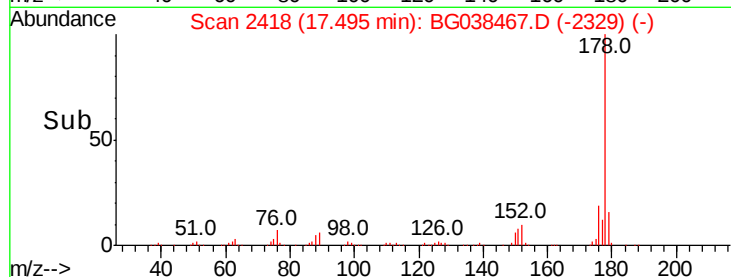
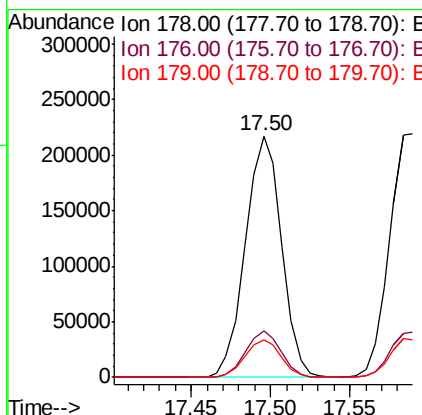
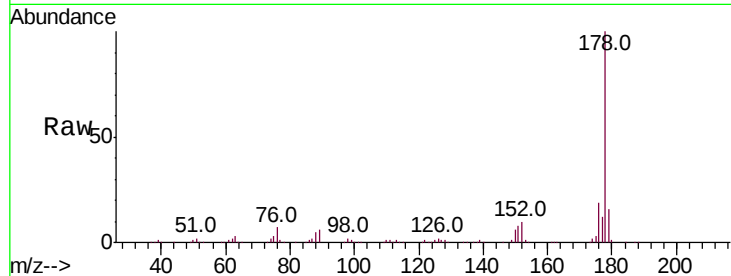
#71  
Phenanthrene  
Concen: 37.212 ng  
RT: 17.50 min Scan# 2418  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 19.1  | 16.1  | 24.1  |
| 179     | 15.8  | 13.0  | 19.4  |

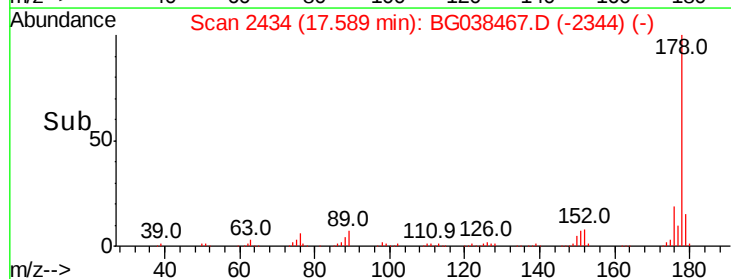
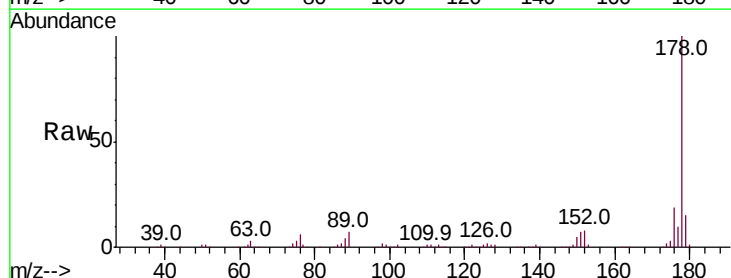
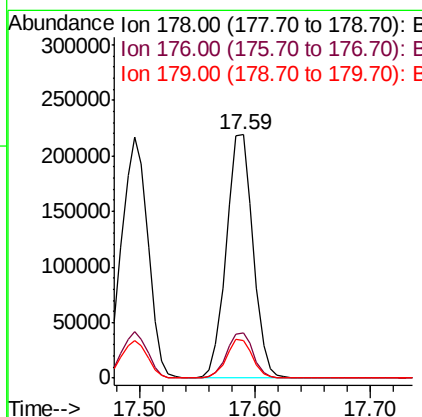
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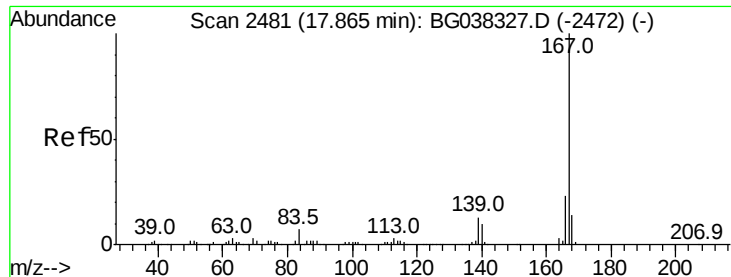
Sohil  
12/11/2018 6:07:28 PM



#72  
Anthracene  
Concen: 39.261 ng  
RT: 17.59 min Scan# 2434  
Delta R.T. 0.00 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.6  | 15.0  | 22.4  |
| 179     | 15.4  | 12.8  | 19.2  |





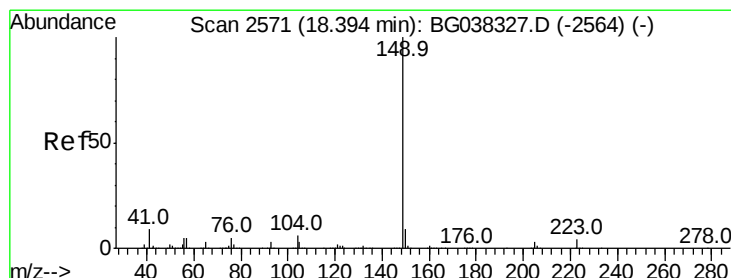
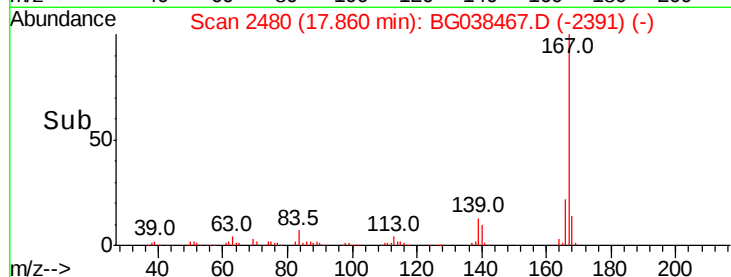
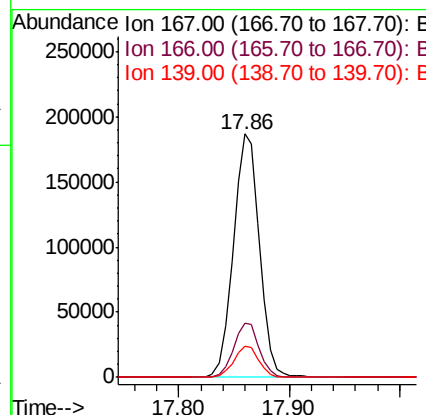
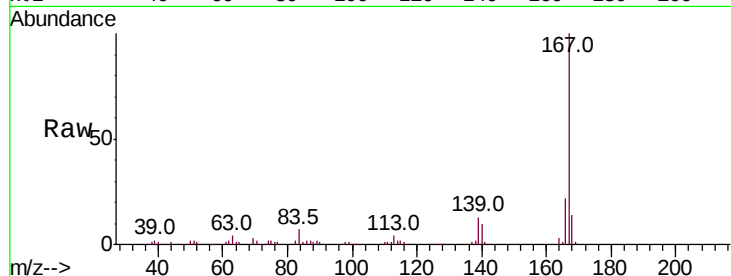
#73  
 Carbazole  
 Concen: 34.710 ng  
 RT: 17.86 min Scan# 2480  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 167     | 100   |       |       |
| 166     | 22.4  | 18.3  | 27.5  |
| 139     | 12.9  | 10.5  | 15.7  |

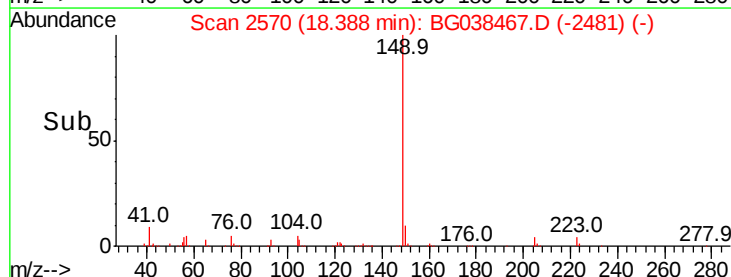
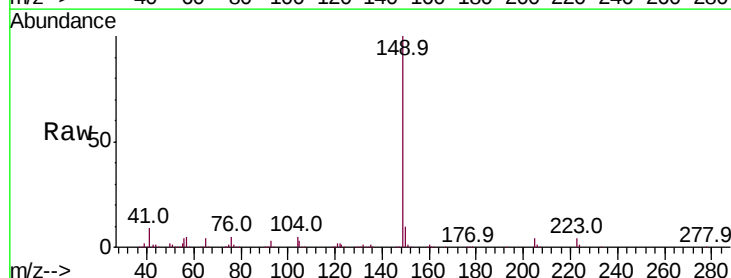
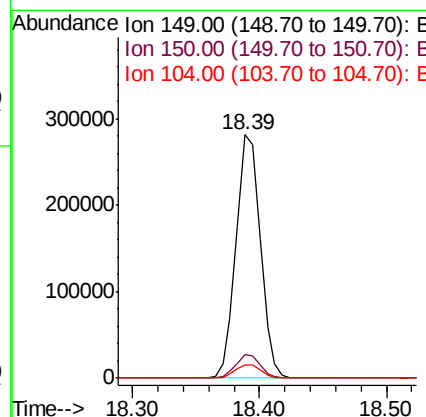
Manual Integrations  
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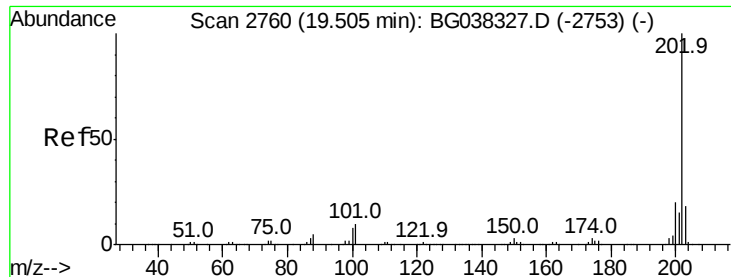
Sohil  
 12/11/2018 6:07:28 PM



#74  
 Di-n-butylphthalate  
 Concen: 35.930 ng  
 RT: 18.39 min Scan# 2570  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 150     | 9.8   | 8.2   | 12.2  |
| 104     | 5.5   | 4.0   | 6.0   |





#75

Fluoranthene

Concen: 54.675 ng

RT: 19.50 min Scan# 2760

Delta R.T. 0.00 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

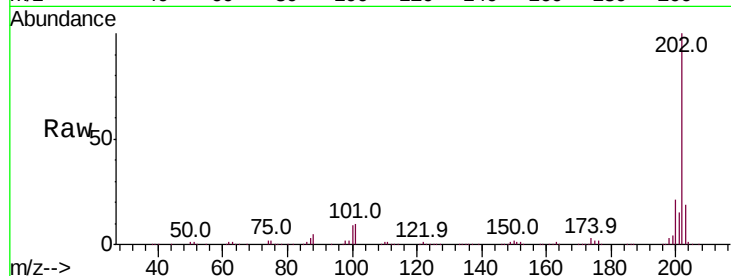
ClientSampleId :

PB115480BS

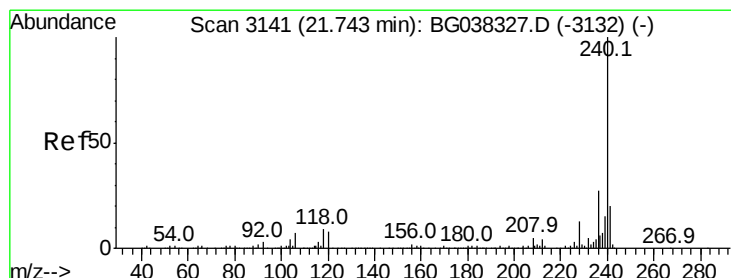
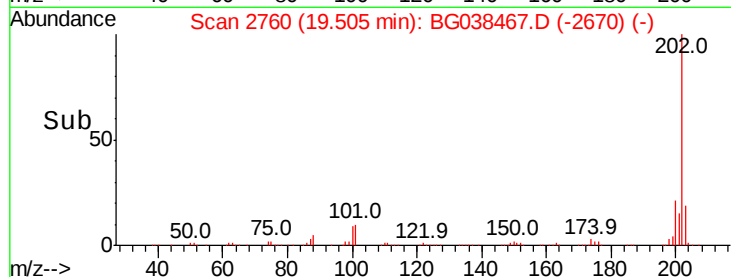
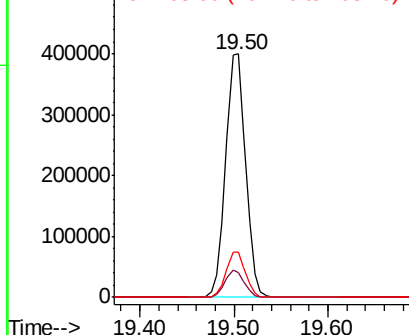
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 202     | 100   | 590311 |       |       |
| 101     | 10.4  | 0.0    | 30.7  |       |
| 203     | 18.5  | 0.0    | 38.5  |       |

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Abundance Ion 202.00 (201.70 to 202.70): E  
Ion 101.00 (100.70 to 101.70): E  
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

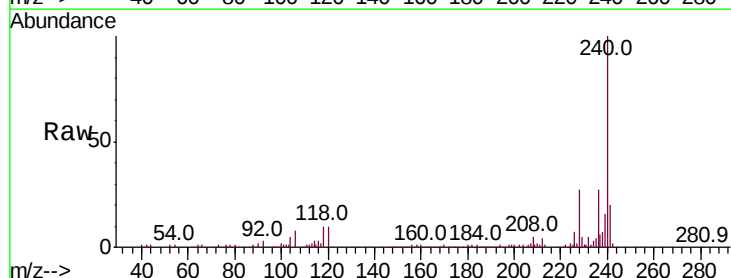
RT: 21.74 min Scan# 3140

Delta R.T. -0.01 min

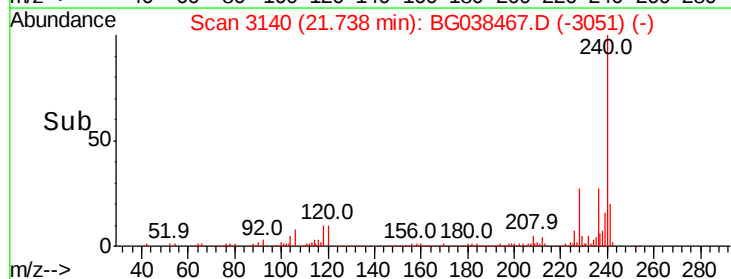
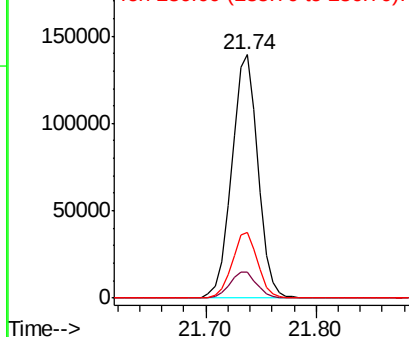
Lab File: BG038467.D

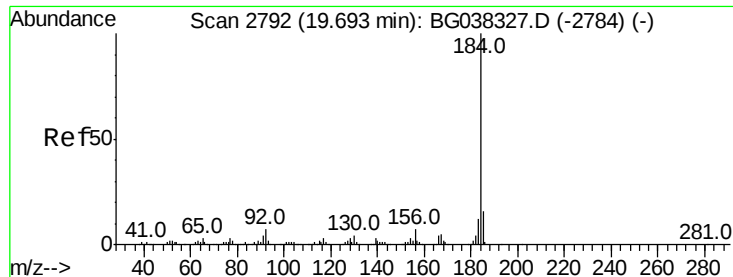
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 240     | 100   | 231755 |       |       |
| 120     | 10.5  | 8.1    | 12.1  |       |
| 236     | 26.9  | 21.4   | 32.0  |       |



Abundance Ion 240.00 (239.70 to 240.70): E  
Ion 120.00 (119.70 to 120.70): E  
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 25.120 ng

RT: 19.69 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

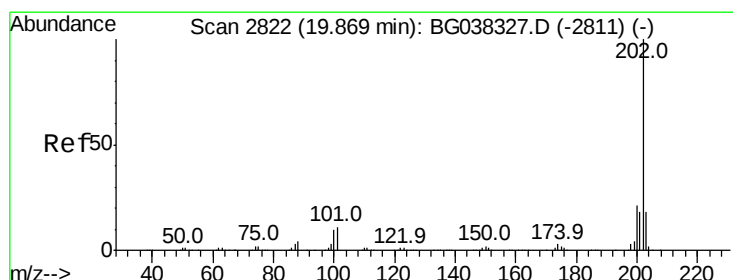
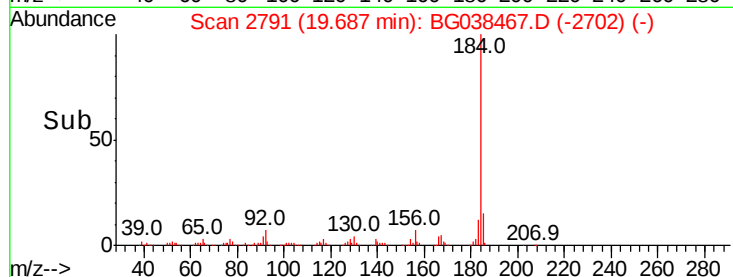
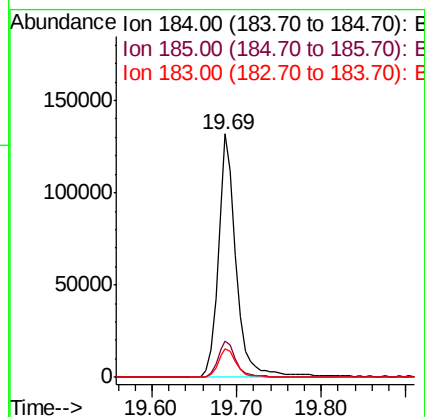
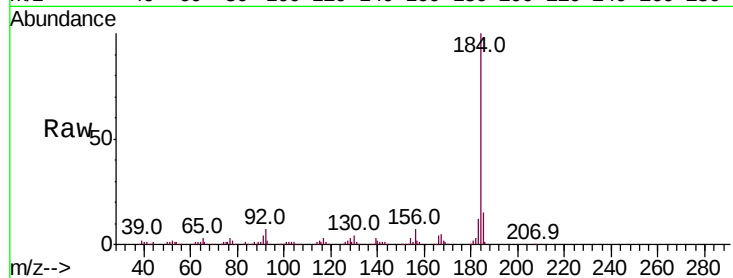
ClientSampleId :

PB115480BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 196453 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.1  | 12.6  | 18.8   |
| 183       | 11.7  | 10.2  | 15.2   |

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#78

Pyrene

Concen: 36.954 ng

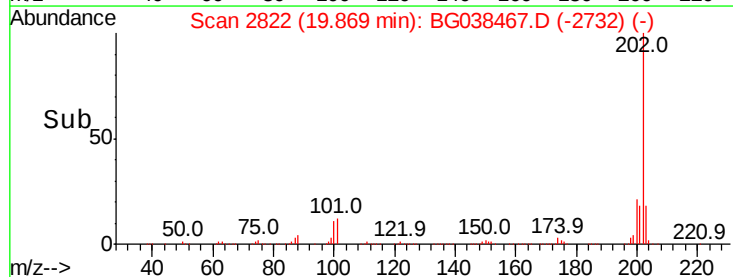
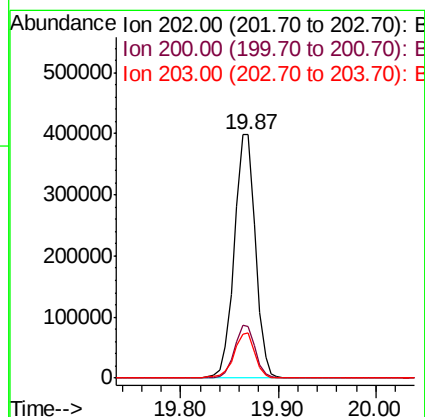
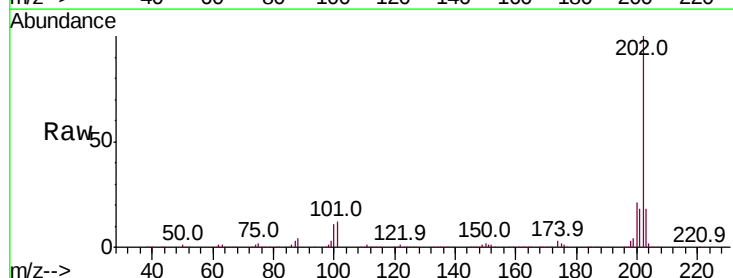
RT: 19.87 min Scan# 2822

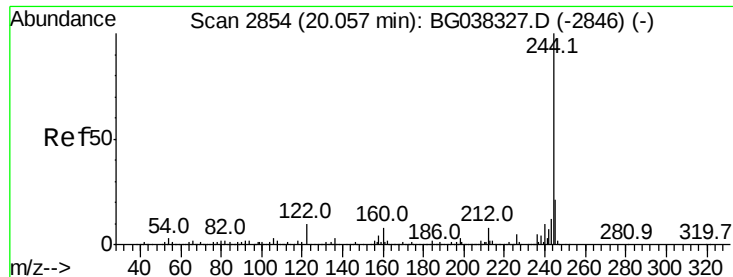
Delta R.T. 0.00 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 599230 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 21.2  | 17.8  | 26.6   |
| 203       | 18.4  | 15.2  | 22.8   |





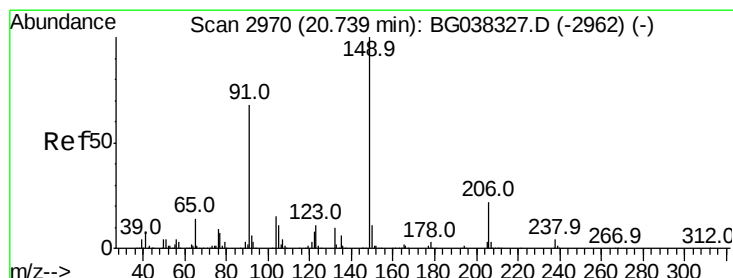
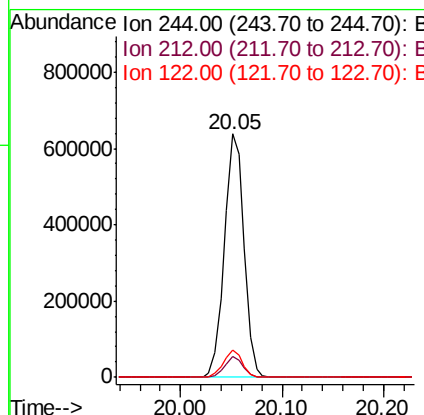
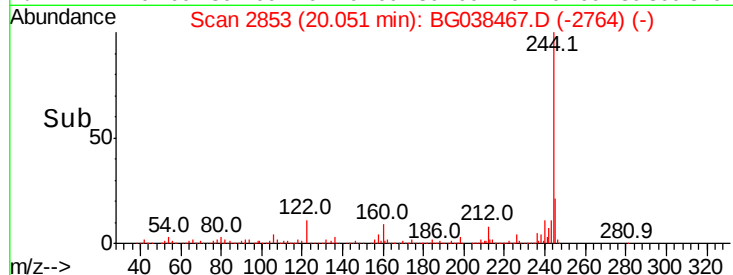
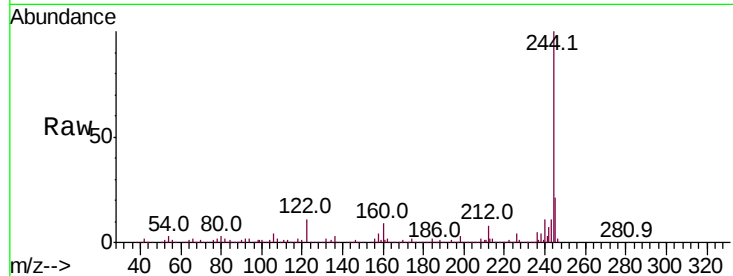
#79  
 Terphenyl-d14  
 Concen: 79.064 ng  
 RT: 20.05 min Scan# 2853  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115480BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 244   | Resp: | 855340 |
| Ion Ratio | Lower | Upper |        |
| 244       | 100   |       |        |
| 212       | 8.3   | 6.5   | 9.7    |
| 122       | 11.1  | 9.0   | 13.4   |

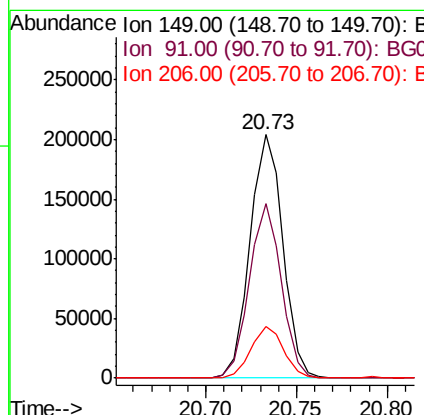
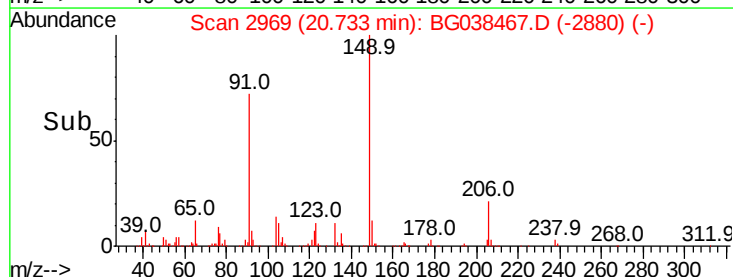
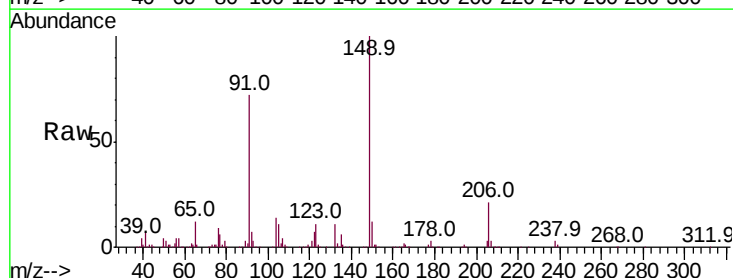
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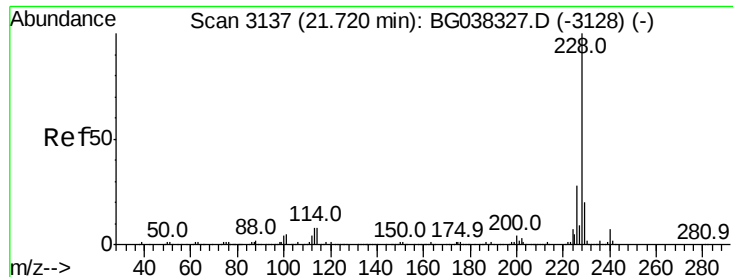
Sohil  
 12/11/2018 6:07:28 PM



#80  
 Butylbenzylphthalate  
 Concen: 39.259 ng  
 RT: 20.73 min Scan# 2969  
 Delta R.T. -0.01 min  
 Lab File: BG038467.D  
 Acq: 11 Dec 2018 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 256045 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 91        | 71.6  | 57.0  | 85.4   |
| 206       | 21.1  | 17.8  | 26.6   |





#81

Benzo(a)anthracene

Concen: 38.025 ng

RT: 21.71 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

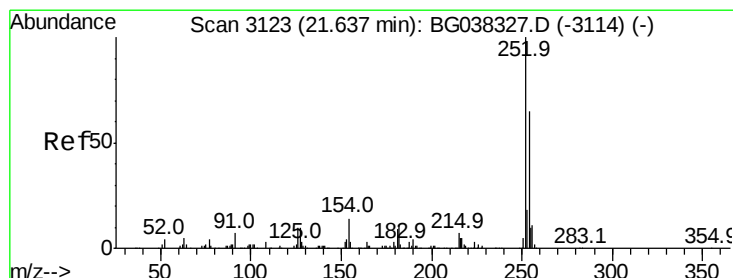
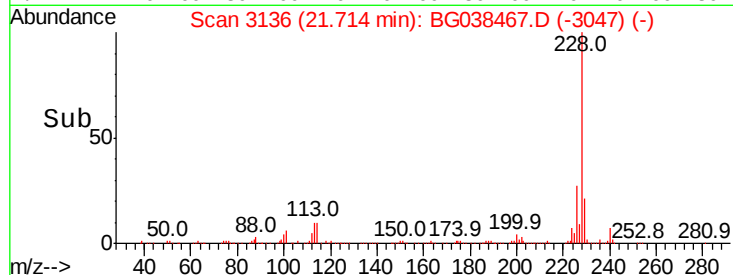
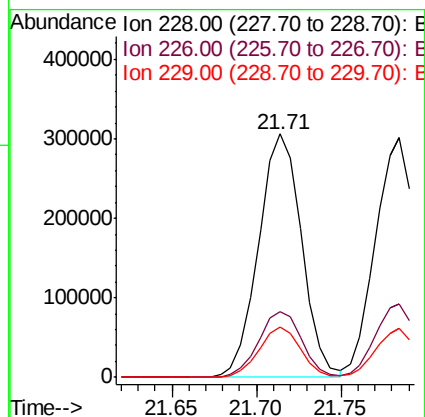
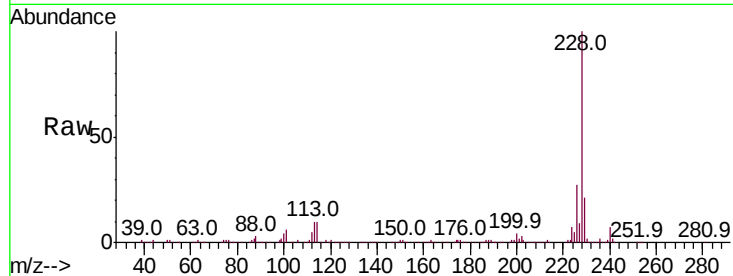
ClientSampleId :

PB115480BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 541618 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 27.2  | 22.6  | 33.8   |
| 229       | 20.9  | 16.3  | 24.5   |

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#82

3,3'-Dichlorobenzidine

Concen: 18.012 ng

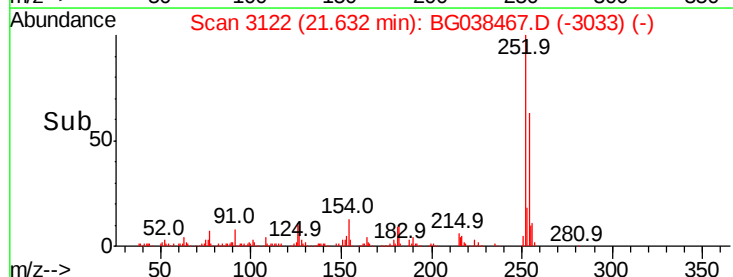
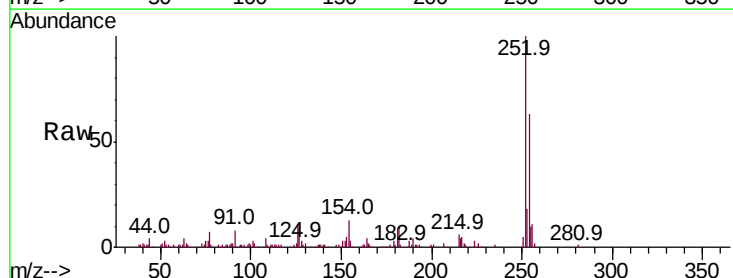
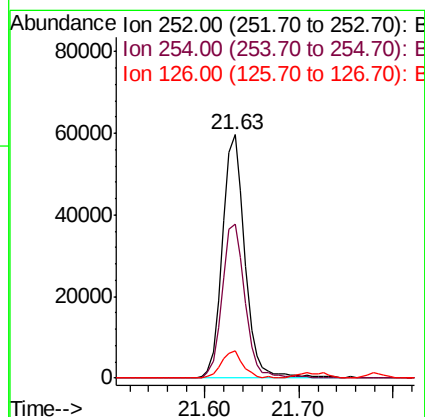
RT: 21.63 min Scan# 3122

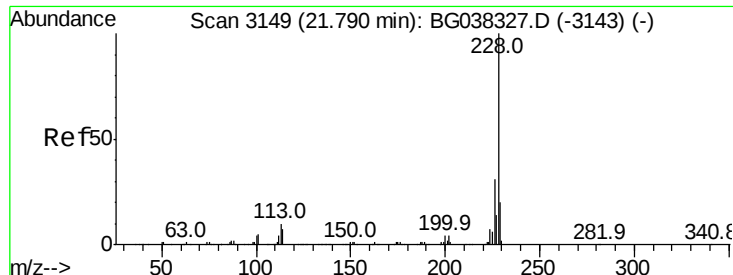
Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 99805 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 63.1  | 52.0  | 78.0  |
| 126       | 11.2  | 8.2   | 12.4  |





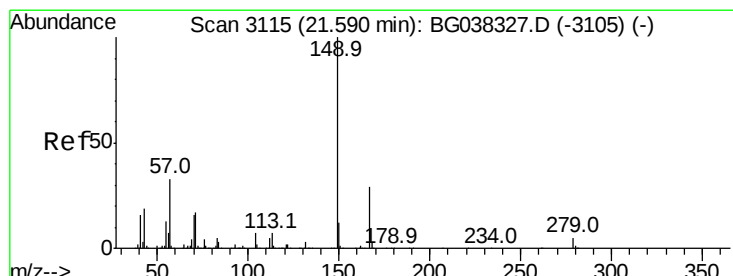
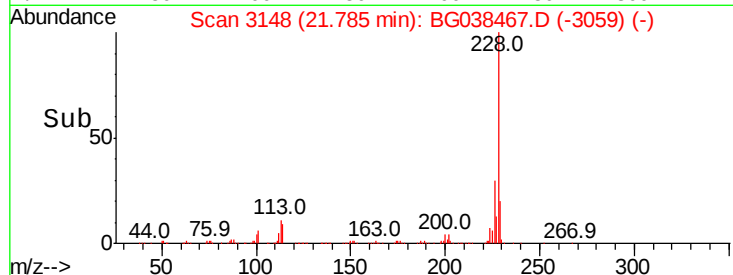
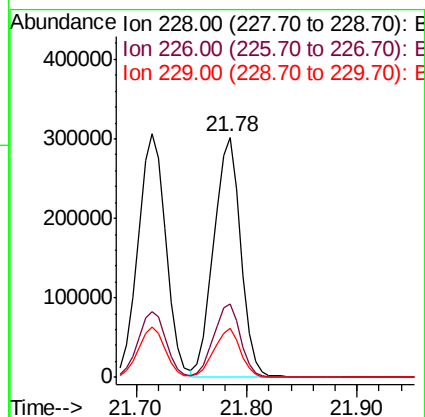
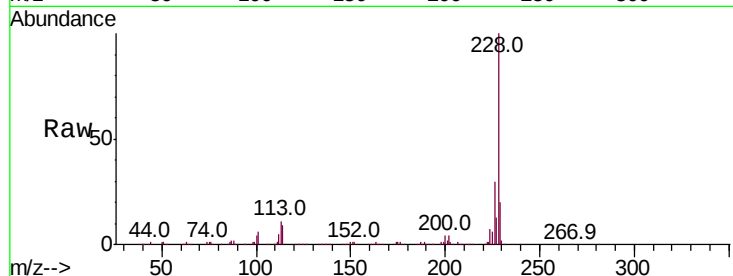
#83  
Chrysene  
Concen: 37.576 ng  
RT: 21.78 min Scan# 3148  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

|             |       |        |
|-------------|-------|--------|
| Tot Ion:228 | Resp: | 506496 |
| Ion Ratio   | Lower | Upper  |
| 228 100     |       |        |
| 226 30.4    | 25.7  | 38.5   |
| 229 20.2    | 16.5  | 24.7   |

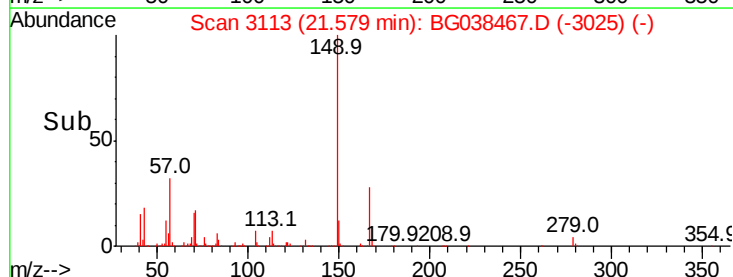
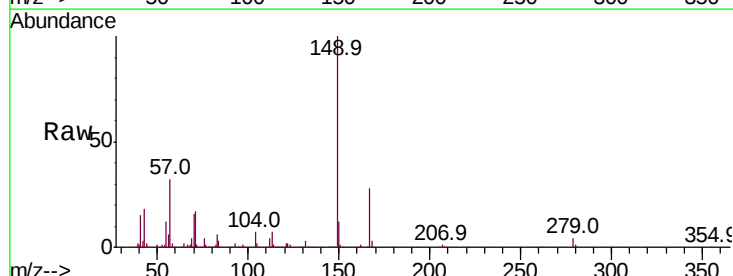
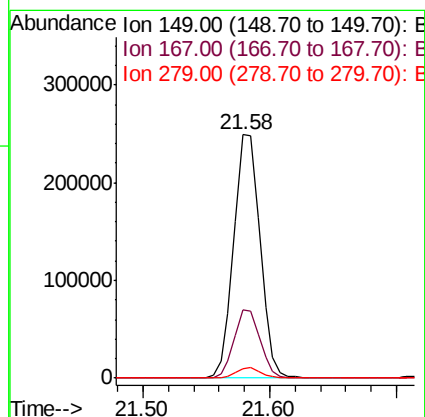
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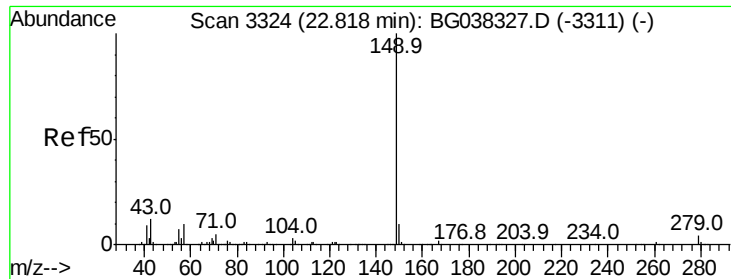
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 38.648 ng  
RT: 21.58 min Scan# 3113  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:149 | Resp: | 357268 |
| Ion Ratio   | Lower | Upper  |
| 149 100     |       |        |
| 167 28.2    | 23.0  | 34.4   |
| 279 3.9     | 3.6   | 5.4    |





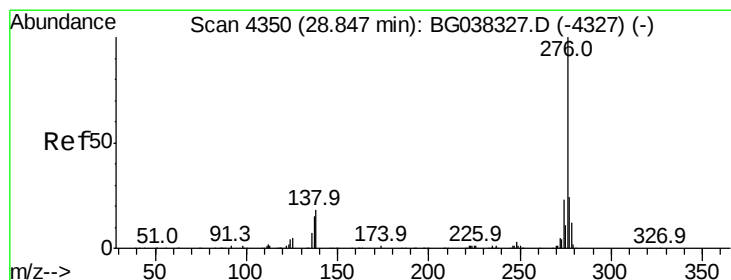
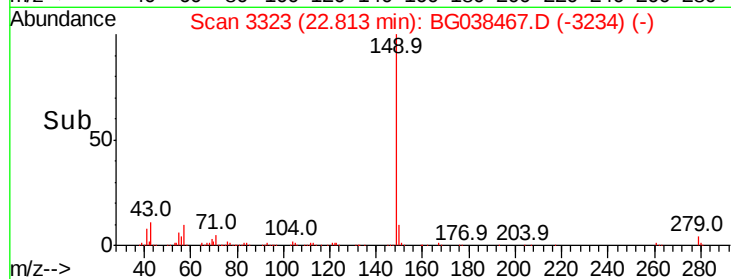
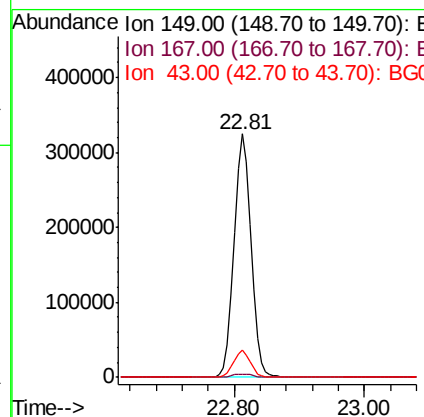
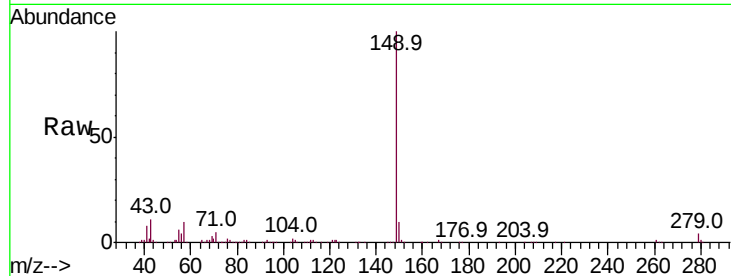
#85  
Di-n-octyl phthalate  
Concen: 37.166 ng  
RT: 22.81 min Scan# 3323  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 589103 |       |       |
| 167     | 1.6   |        | 1.3   | 1.9   |
| 43      | 11.2  |        | 8.7   | 13.1  |

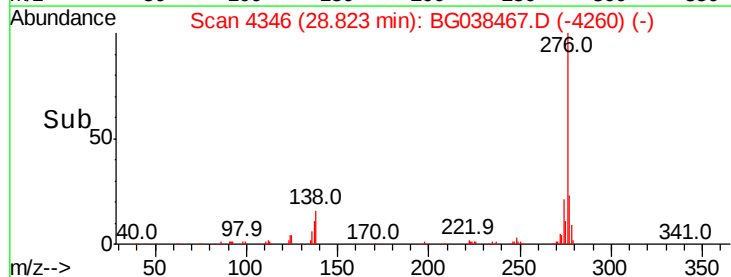
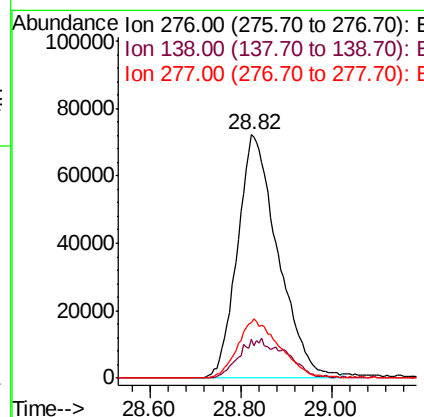
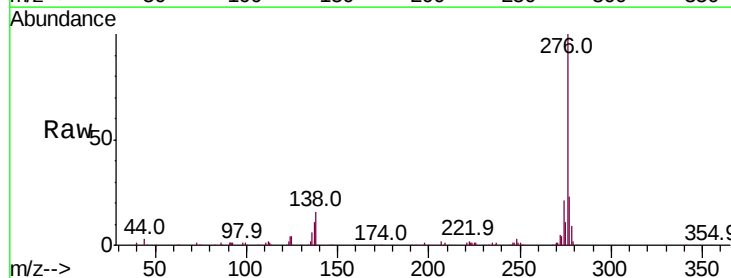
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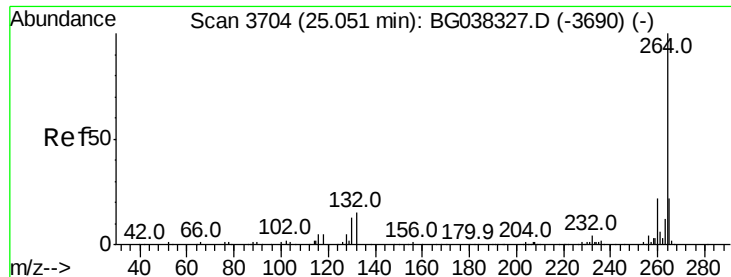
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#86  
Indeno(1,2,3-cd)pyrene  
Concen: 29.260 ng  
RT: 28.82 min Scan# 4346  
Delta R.T. -0.02 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 448222 |       |       |
| 138     | 0.0   |        | 12.0  | 18.0# |
| 277     | 25.1  |        | 20.6  | 30.8  |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.04 min Scan# 3702

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

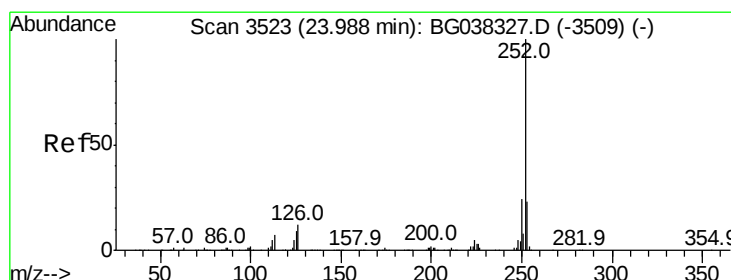
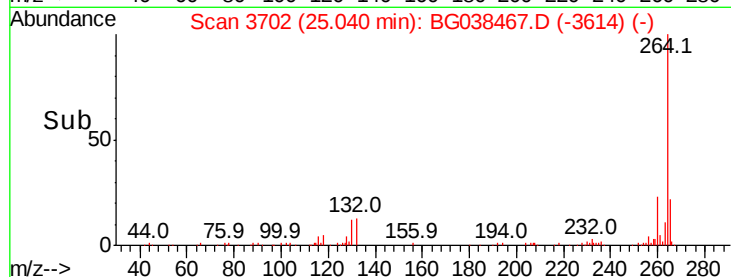
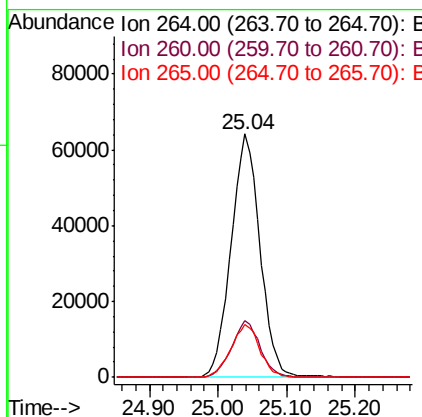
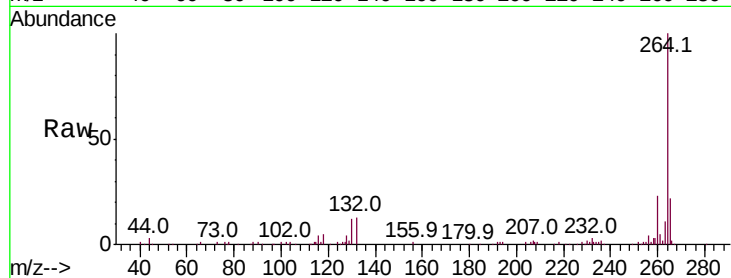
ClientSampleId :

PB115480BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 264  | Resp: | 187607 |
| Ion Ratio |      | Lower | Upper  |
| 264       | 100  |       |        |
| 260       | 23.1 | 18.2  | 27.4   |
| 265       | 21.9 | 17.9  | 26.9   |

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12/11/2018 6:07:28 PM



#88

Benzo(b)fluoranthene

Concen: 37.953 ng

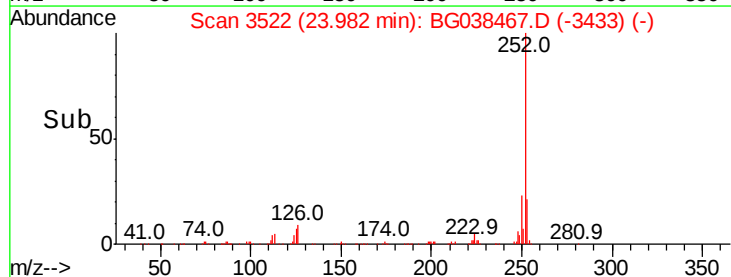
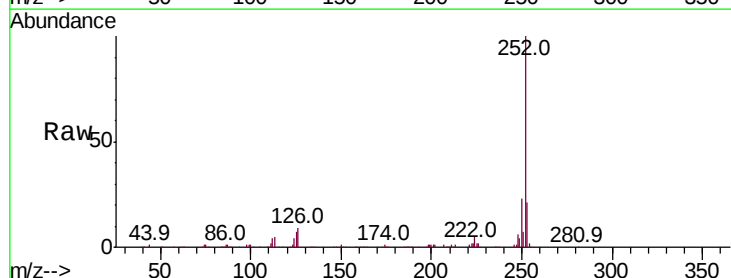
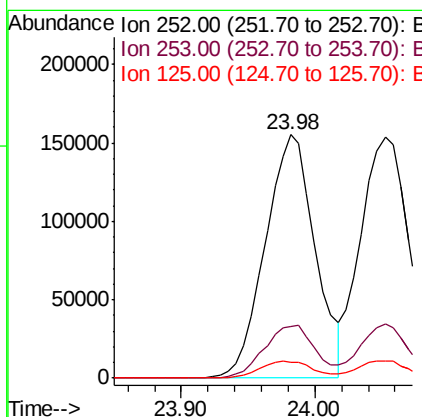
RT: 23.98 min Scan# 3522

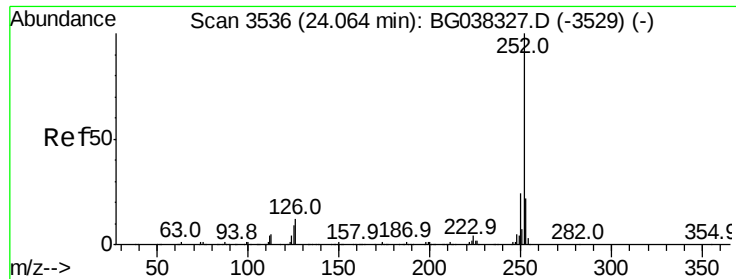
Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 402316 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 253       | 21.3 | 18.2  | 27.2   |
| 125       | 6.7  | 7.8   | 11.6#  |





#89

Benzo(k)fluoranthene

Concen: 36.662 ng

RT: 24.05 min Scan# 3534

Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

Instrument :

BNA\_G

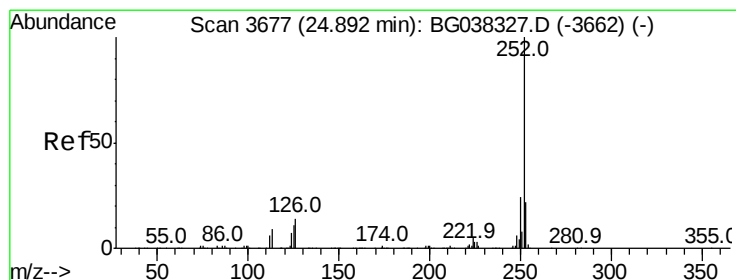
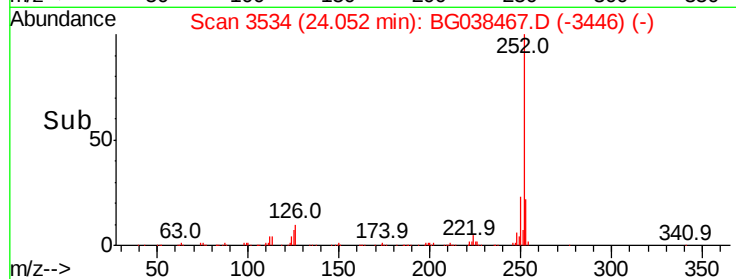
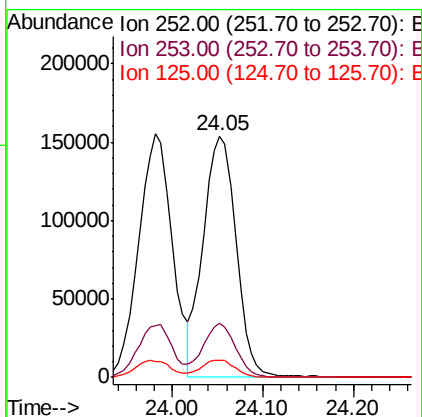
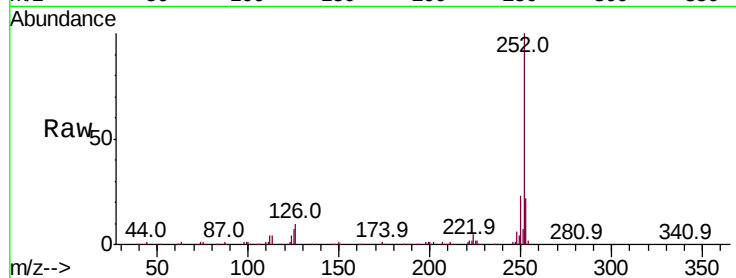
ClientSampleId :

PB115480BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 252   | Resp: | 387065 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 22.3  | 17.4  | 26.2   |
| 125       | 7.0   | 7.4   | 11.0#  |

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#90

Benzo(a)pyrene

Concen: 37.806 ng

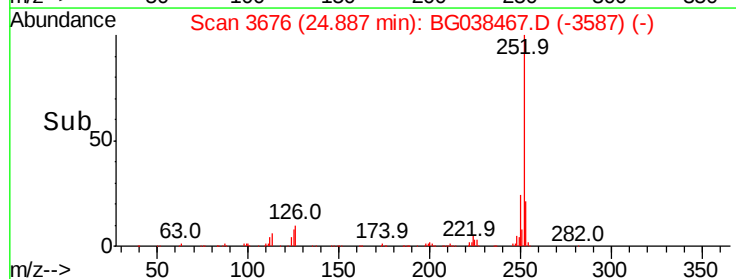
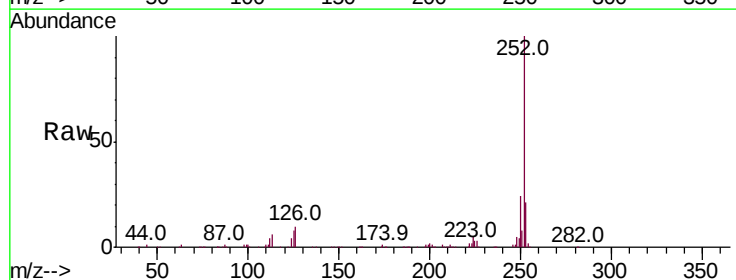
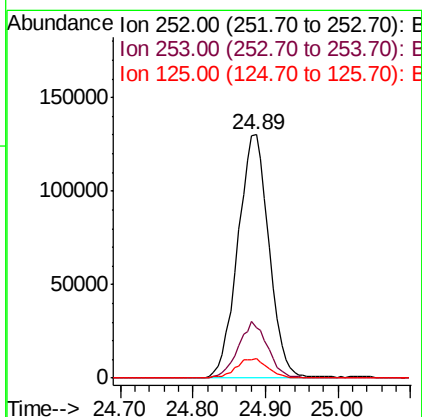
RT: 24.89 min Scan# 3676

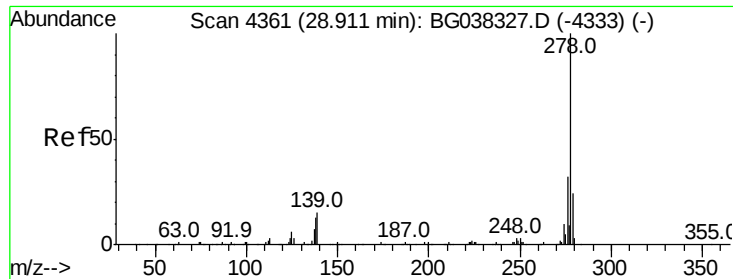
Delta R.T. -0.01 min

Lab File: BG038467.D

Acq: 11 Dec 2018 12:01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 388735 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 20.8  | 17.4  | 26.2   |
| 125       | 8.1   | 9.0   | 13.6#  |





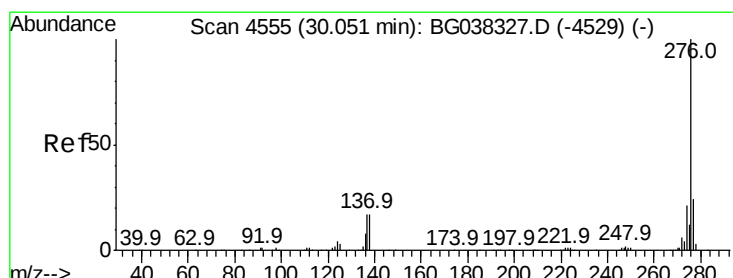
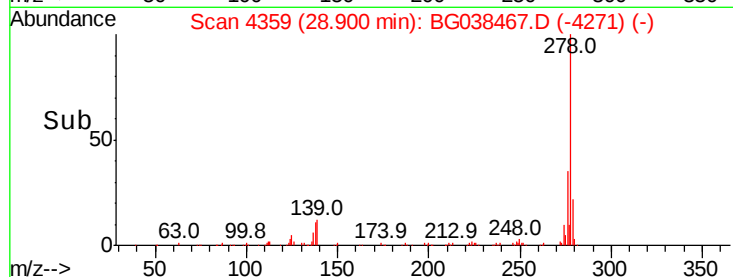
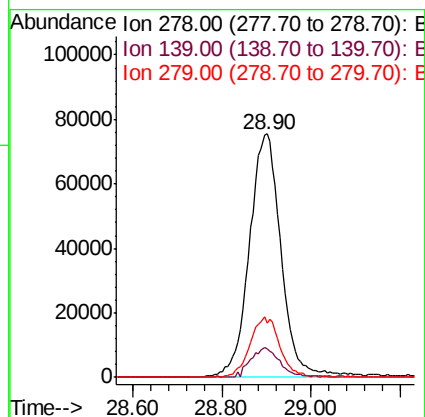
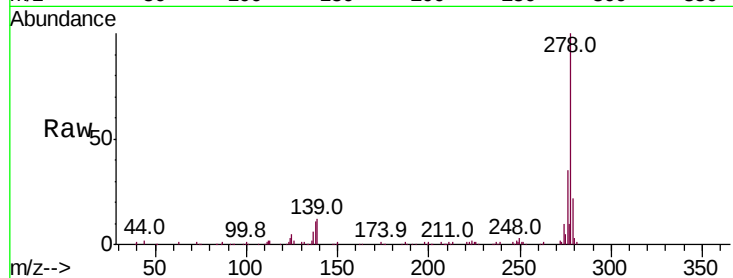
#91  
Dibenzo(a,h)anthracene  
Concen: 37.639 ng  
RT: 28.90 min Scan# 4359  
Delta R.T. -0.01 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

Instrument :  
BNA\_G  
ClientSampleId :  
PB115480BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 11.7  | 11.5  | 17.3  |
| 279     | 22.3  | 18.6  | 27.8  |

Manual Integrations  
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#92  
Benzo(g,h,i)perylene  
Concen: 39.946 ng  
RT: 30.03 min Scan# 4551  
Delta R.T. -0.02 min  
Lab File: BG038467.D  
Acq: 11 Dec 2018 12:01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 23.4  | 18.9  | 28.3  |
| 138     | 16.6  | 17.2  | 25.8# |

