

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121618\  
 Data File : BG038640.D  
 Acq On : 16 Dec 2018 14:45  
 Operator : JU/SJ  
 Sample : PB115718BS  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

Manual Integrations  
 APPROVED

Sohil  
 12/17/2018 4:14:03 PM

Quant Time: Dec 17 06:07:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|---------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 8.06  | 152  | 21182    | 20.00 | ng    | 0.00     |
| 21) Naphthalene-d8        | 10.87 | 136  | 82324    | 20.00 | ng    | 0.00     |
| 39) Acenaphthene-d10      | 14.70 | 164  | 52496    | 20.00 | ng    | 0.00     |
| 64) Phenanthrene-d10      | 17.44 | 188  | 134340   | 20.00 | ng    | 0.00     |
| 76) Chrysene-d12          | 21.72 | 240  | 143696   | 20.00 | ng    | 0.00     |
| 87) Perylene-d12          | 25.02 | 264  | 158339   | 20.00 | ng    | 0.00     |

## System Monitoring Compounds

|                          |       |     |        |        |    |      |
|--------------------------|-------|-----|--------|--------|----|------|
| 5) 2-Fluorophenol        | 5.61  | 112 | 169313 | 141.77 | ng | 0.00 |
| 7) Phenol-d6             | 7.21  | 99  | 218451 | 133.24 | ng | 0.00 |
| 23) Nitrobenzene-d5      | 9.24  | 82  | 117076 | 72.65  | ng | 0.00 |
| 42) 2,4,6-Tribromophenol | 16.19 | 330 | 100458 | 138.85 | ng | 0.00 |
| 45) 2-Fluorobiphenyl     | 13.32 | 172 | 263601 | 68.89  | ng | 0.00 |
| 79) Terphenyl-d14        | 20.04 | 244 | 533840 | 80.85  | ng | 0.00 |

## Target Compounds

|                                |       |     |        |        |    | Qvalue |
|--------------------------------|-------|-----|--------|--------|----|--------|
| 2) 1,4-Dioxane                 | 3.49  | 88  | 19911  | 35.823 | ng | # 89   |
| 3) Pyridine                    | 3.89  | 79  | 55902  | 36.530 | ng | 96     |
| 4) n-Nitrosodimethylamine      | 3.82  | 42  | 36737  | 48.994 | ng | # 84   |
| 6) Aniline                     | 7.39  | 93  | 66881  | 31.956 | ng | 99     |
| 8) 2-Chlorophenol              | 7.62  | 128 | 58744  | 42.506 | ng | 97     |
| 9) Benzaldehyde                | 7.20  | 77  | 19875  | 18.687 | ng | 96     |
| 10) Phenol                     | 7.24  | 94  | 73186  | 42.018 | ng | 98     |
| 11) bis(2-Chloroethyl)ether    | 7.48  | 93  | 51597  | 37.207 | ng | 98     |
| 12) 1,3-Dichlorobenzene        | 7.95  | 146 | 61500  | 37.636 | ng | 99     |
| 13) 1,4-Dichlorobenzene        | 8.09  | 146 | 63348  | 37.852 | ng | 95     |
| 14) 1,2-Dichlorobenzene        | 8.42  | 146 | 59946  | 37.994 | ng | 99     |
| 15) Benzyl Alcohol             | 8.30  | 79  | 54040  | 42.229 | ng | 95     |
| 16) 2,2'-oxybis(1-Chloropropan | 8.58  | 45  | 121748 | 38.326 | ng | 99     |
| 17) 2-Methylphenol             | 8.50  | 107 | 50259  | 43.068 | ng | 97     |
| 18) Hexachloroethane           | 9.14  | 117 | 23086  | 37.750 | ng | 97     |
| 19) n-Nitroso-di-n-propylamine | 8.86  | 70  | 42675  | 37.061 | ng | 95     |
| 20) 3+4-Methylphenols          | 8.83  | 107 | 67463  | 41.860 | ng | 97     |
| 22) Acetophenone               | 8.89  | 105 | 85143  | 41.406 | ng | 97     |
| 24) Nitrobenzene               | 9.28  | 77  | 68337  | 41.920 | ng | 96     |
| 25) Isophorone                 | 9.79  | 82  | 120768 | 41.712 | ng | 98     |
| 26) 2-Nitrophenol              | 9.99  | 139 | 33063  | 39.627 | ng | 97     |
| 27) 2,4-Dimethylphenol         | 10.03 | 122 | 59277  | 49.572 | ng | 94     |
| 28) bis(2-Chloroethoxy)methane | 10.27 | 93  | 69539  | 42.560 | ng | 97     |
| 29) 2,4-Dichlorophenol         | 10.52 | 162 | 61240  | 46.035 | ng | 98     |
| 30) 1,2,4-Trichlorobenzene     | 10.73 | 180 | 64509  | 40.146 | ng | 95     |
| 31) Naphthalene                | 10.93 | 128 | 177103 | 43.663 | ng | 99     |
| 32) Benzoic acid               | 10.19 | 122 | 20475m | 31.413 | ng |        |
| 33) 4-Chloroaniline            | 11.04 | 127 | 38448  | 21.833 | ng | 99     |
| 34) Hexachlorobutadiene        | 11.19 | 225 | 42323  | 38.926 | ng | 93     |
| 35) Caprolactam                | 11.82 | 113 | 19826  | 36.013 | ng | 93     |
| 36) 4-Chloro-3-methylphenol    | 12.15 | 107 | 62201  | 40.974 | ng | 91     |
| 37) 2-Methylnaphthalene        | 12.53 | 142 | 130693 | 45.164 | ng | 97     |
| 38) 1-Methylnaphthalene        | 12.75 | 142 | 124042 | 44.174 | ng | 98     |
| 40) 1,2,4,5-Tetrachlorobenzene | 12.89 | 216 | 79189  | 40.356 | ng | 97     |

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 PB115718BS

Manual Integrations  
 APPROVED

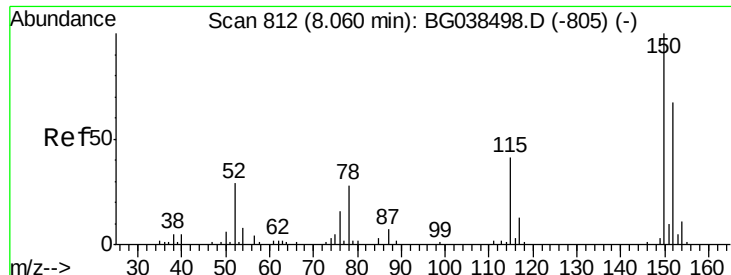
Sohil  
 12/17/2018 4:14:03 PM

Quant Time: Dec 17 06:07:03 2018  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Dec 12 15:26:27 2018  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 41) Hexachlorocyclopentadiene  | 12.85 | 237  | 105334   | 97.706 | ng    | 96       |
| 43) 2,4,6-Trichlorophenol      | 13.13 | 196  | 51760    | 42.900 | ng    | 98       |
| 44) 2,4,5-Trichlorophenol      | 13.21 | 196  | 58114    | 45.492 | ng    | 98       |
| 46) 1,1'-Biphenyl              | 13.53 | 154  | 170908   | 38.835 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.58 | 162  | 137745   | 40.520 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.79 | 65   | 46856    | 43.273 | ng    | 98       |
| 49) Acenaphthylene             | 14.42 | 152  | 222073   | 43.698 | ng    | 98       |
| 50) Dimethylphthalate          | 14.15 | 163  | 179691   | 41.915 | ng    | 98       |
| 51) 2,6-Dinitrotoluene         | 14.28 | 165  | 40914    | 42.114 | ng    | 96       |
| 52) Acenaphthene               | 14.76 | 154  | 127118   | 41.831 | ng    | 96       |
| 53) 3-Nitroaniline             | 14.62 | 138  | 30316    | 30.612 | ng    | 92       |
| 54) 2,4-Dinitrophenol          | 14.82 | 184  | 43026    | 74.794 | ng    | 96       |
| 55) Dibenzofuran               | 15.09 | 168  | 212589   | 40.811 | ng    | 98       |
| 56) 4-Nitrophenol              | 14.92 | 139  | 65257    | 86.859 | ng    | 91       |
| 57) 2,4-Dinitrotoluene         | 15.06 | 165  | 58940    | 43.074 | ng    | 96       |
| 58) Fluorene                   | 15.74 | 166  | 174614   | 45.245 | ng    | 94       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.32 | 232  | 51226    | 44.571 | ng    | 98       |
| 60) Diethylphthalate           | 15.50 | 149  | 186603   | 39.651 | ng    | 99       |
| 61) 4-Chlorophenyl-phenylether | 15.73 | 204  | 96486    | 40.070 | ng    | 98       |
| 62) 4-Nitroaniline             | 15.78 | 138  | 45613    | 44.738 | ng    | 95       |
| 63) Azobenzene                 | 16.02 | 77   | 164381   | 41.811 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylphenol | 15.83 | 198  | 36528    | 38.117 | ng    | 96       |
| 66) n-Nitrosodiphenylamine     | 15.95 | 169  | 158015   | 40.032 | ng    | 96       |
| 67) 4-Bromophenyl-phenylether  | 16.62 | 248  | 64511    | 39.320 | ng    | 95       |
| 68) Hexachlorobenzene          | 16.74 | 284  | 67727    | 39.822 | ng    | 97       |
| 69) Atrazine                   | 16.89 | 200  | 66509    | 45.403 | ng    | 96       |
| 70) Pentachlorophenol          | 17.09 | 266  | 74262    | 73.821 | ng    | 95       |
| 71) Phenanthrene               | 17.49 | 178  | 308655   | 44.306 | ng    | 98       |
| 72) Anthracene                 | 17.58 | 178  | 315322   | 45.850 | ng    | 99       |
| 73) Carbazole                  | 17.85 | 167  | 290637   | 42.731 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.38 | 149  | 344581   | 44.152 | ng    | 99       |
| 75) Fluoranthene               | 19.49 | 202  | 389598   | 45.200 | ng    | 97       |
| 77) Benzidine                  | 19.68 | 184  | 183358   | 43.146 | ng    | 100      |
| 78) Pyrene                     | 19.86 | 202  | 390671   | 41.154 | ng    | 99       |
| 80) Butylbenzylphthalate       | 20.73 | 149  | 150433   | 40.561 | ng    | 99       |
| 81) Benzo(a)anthracene         | 21.70 | 228  | 388097   | 44.323 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.62 | 252  | 100755   | 29.013 | ng    | 98       |
| 83) Chrysene                   | 21.77 | 228  | 361502   | 42.863 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phthalate | 21.57 | 149  | 219056   | 41.645 | ng    | 99       |
| 85) Di-n-octyl phthalate       | 22.80 | 149  | 384532   | 43.651 | ng    | 99       |
| 86) Indeno(1,2,3-cd)pyrene     | 28.81 | 276  | 455644   | 45.953 | ng    | # 82     |
| 88) Benzo(b)fluoranthene       | 23.96 | 252  | 396529   | 45.612 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 24.03 | 252  | 390867   | 45.151 | ng    | 98       |
| 90) Benzo(a)pyrene             | 24.87 | 252  | 387943   | 46.256 | ng    | 98       |
| 91) Dibenzo(a,h)anthracene     | 28.86 | 278  | 382324   | 45.784 | ng    | 99       |
| 92) Benzo(g,h,i)perylene       | 30.00 | 276  | 377359   | 45.854 | ng    | 99       |

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





#1

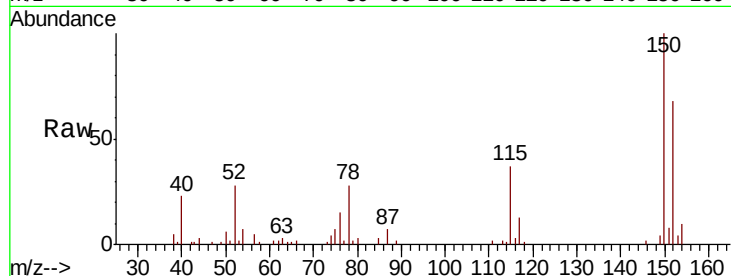
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 8.06 min Scan# 846  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 150     | 146.9 | 119.5 | 179.3 |
| 115     | 53.6  | 49.6  | 74.4  |

Manual Integrations  
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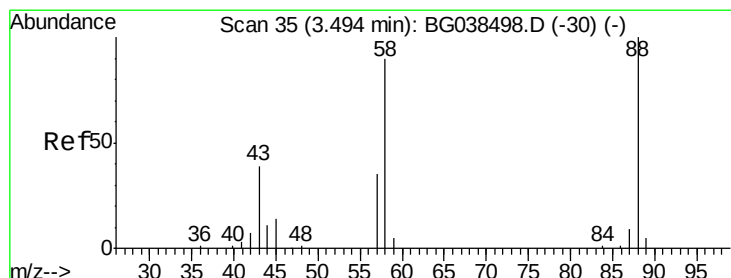
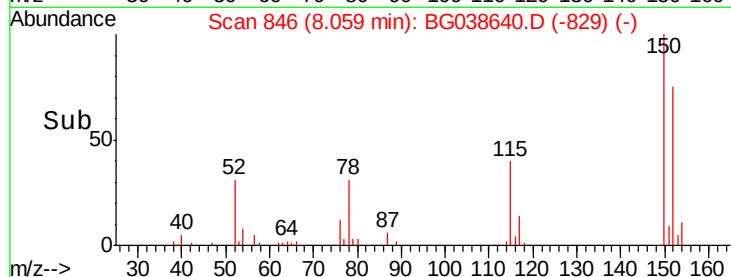
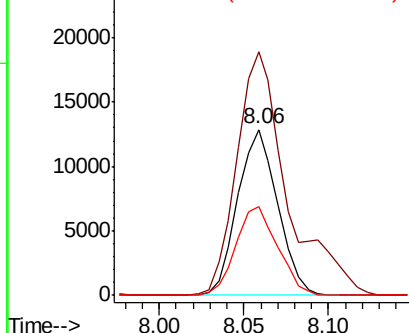


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

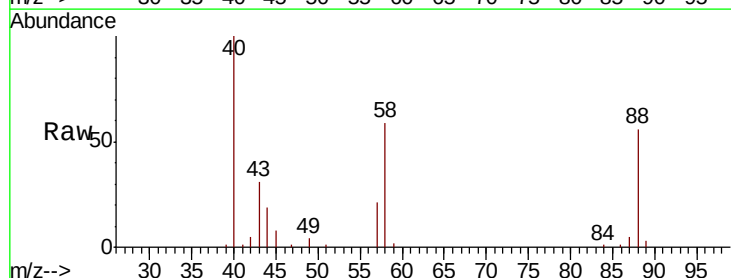
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane  
Concen: 35.823 ng  
RT: 3.49 min Scan# 68  
Delta R.T. -0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 58      | 102.7 | 75.7  | 113.5 |
| 43      | 49.8  | 31.6  | 47.4  |

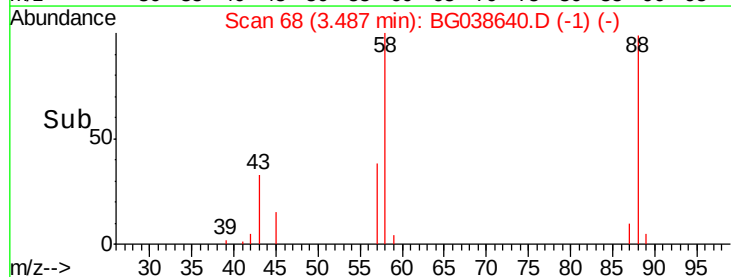
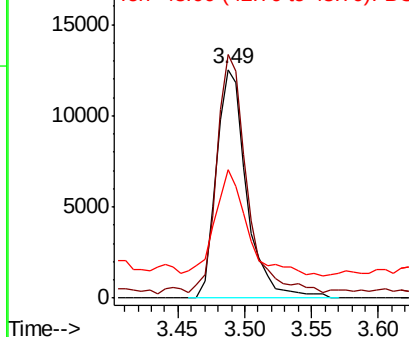


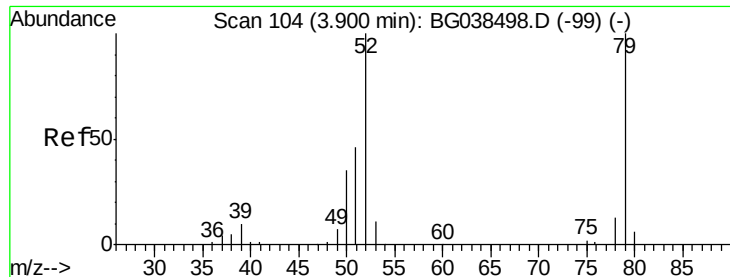
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





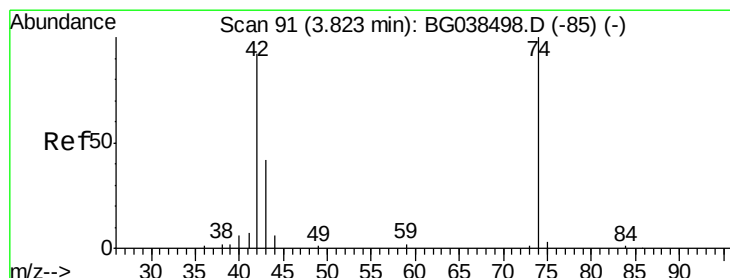
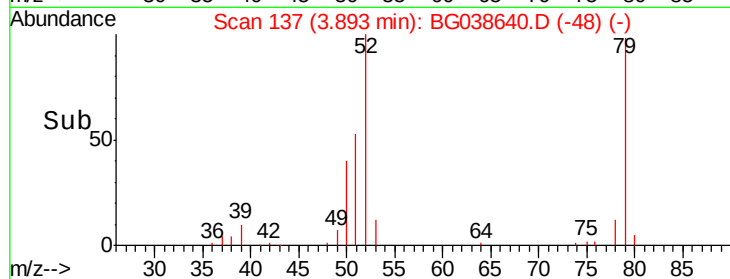
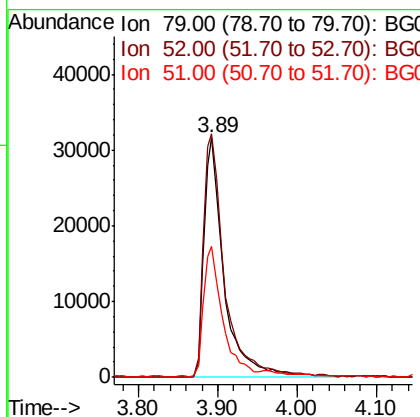
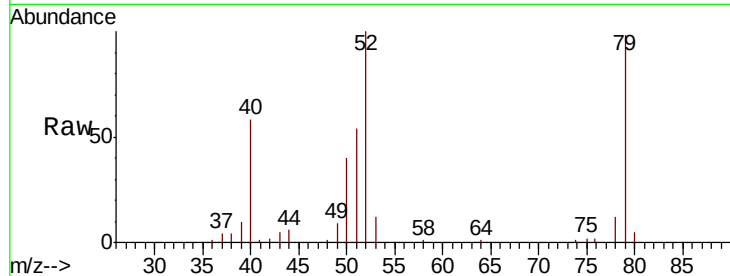
#3  
 Pvridine  
 Concen: 36.530 ng  
 RT: 3.89 min Scan# 137  
 Delta R.T. -0.01 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

| Tot Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 79      | 79  | 100   |       |       |
| 52      | 52  | 101.8 | 80.2  | 120.2 |
| 51      | 51  | 54.6  | 38.0  | 57.0  |

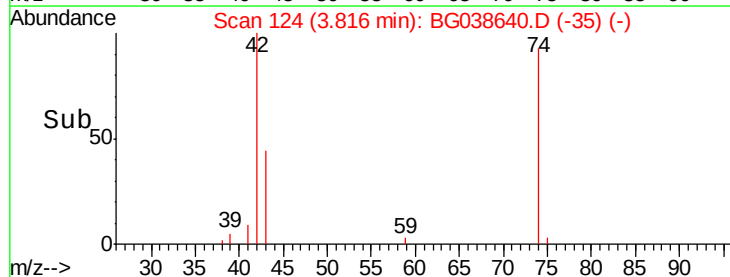
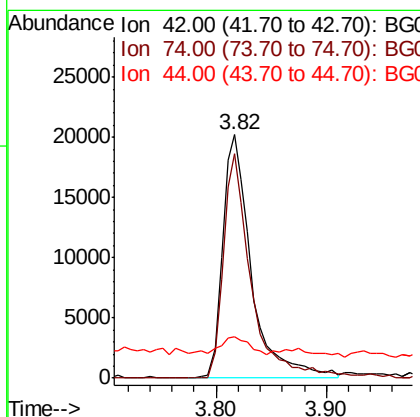
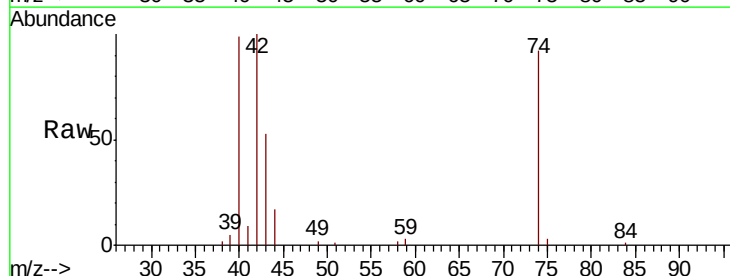
Manual Integrations  
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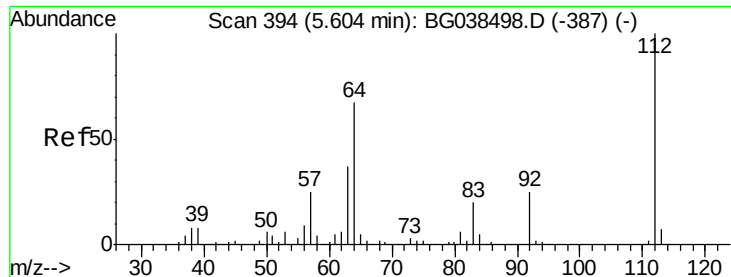
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#4  
 n-Nitrosodimethylamine  
 Concen: 48.994 ng  
 RT: 3.82 min Scan# 124  
 Delta R.T. -0.01 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

| Tgt Ion | Ion | Ratio | Lower | Upper |
|---------|-----|-------|-------|-------|
| 42      | 42  | 100   |       |       |
| 74      | 74  | 92.0  | 86.7  | 130.1 |
| 44      | 44  | 16.9  | 7.8   | 11.8  |





#5

2-Fluorophenol

Concen: 141.772 ng

RT: 5.61 min Scan# 429

Delta R.T. 0.01 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

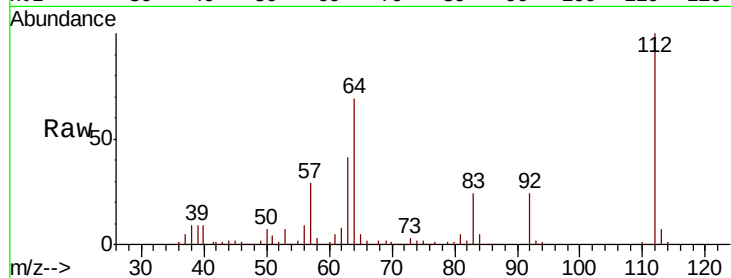
ClientSampleId :

PB115718BS

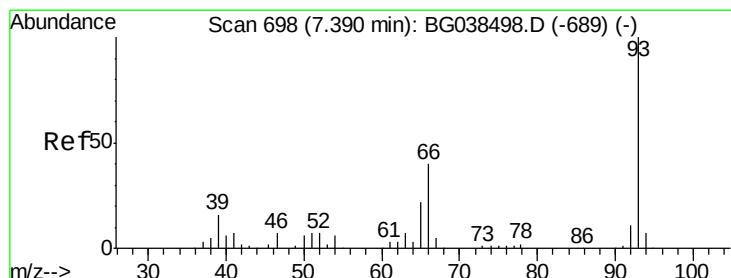
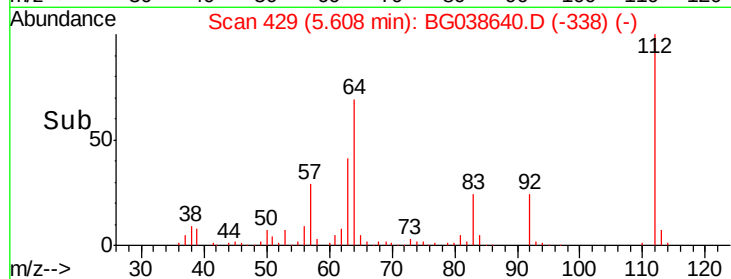
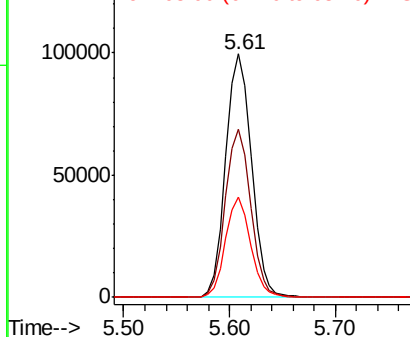
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 112   | Resp: | 169313 |
| Ion Ratio | Lower | Upper |        |
| 112       | 100   |       |        |
| 64        | 69.0  | 53.4  | 80.2   |
| 63        | 41.1  | 29.3  | 43.9   |

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



#6

Aniline

Concen: 31.956 ng

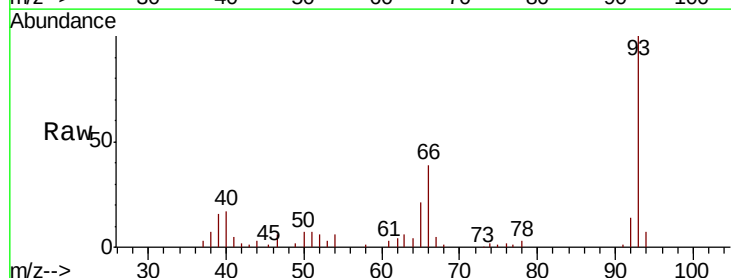
RT: 7.39 min Scan# 732

Delta R.T. -0.00 min

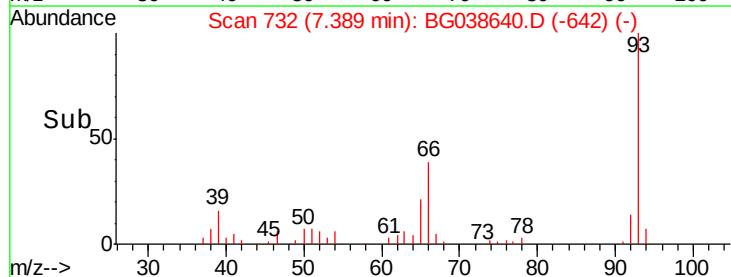
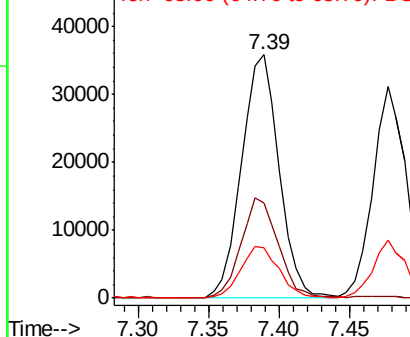
Lab File: BG038640.D

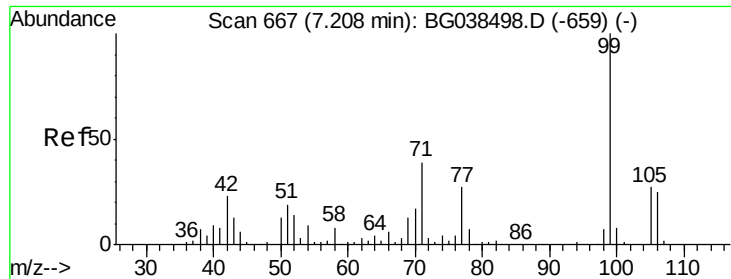
Acq: 16 Dec 2018 14:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 66881 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 66        | 39.2  | 31.7  | 47.5  |
| 65        | 20.9  | 17.8  | 26.6  |



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





#7

Phenol-d6

Concen: 133.244 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

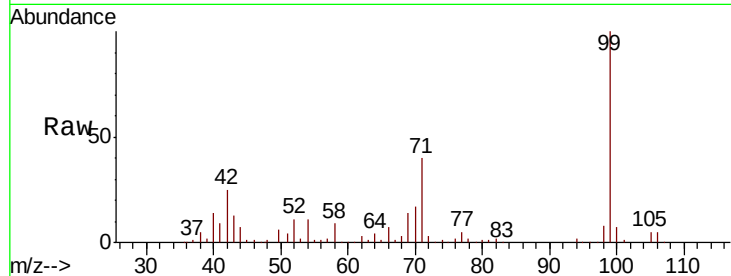
ClientSampleId :

PB115718BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 99    | Resp: | 218451 |
| Ion Ratio | Lower | Upper |        |
| 99        | 100   |       |        |
| 42        | 25.4  | 18.5  | 27.7   |
| 71        | 39.7  | 31.1  | 46.7   |

Manual Integrations  
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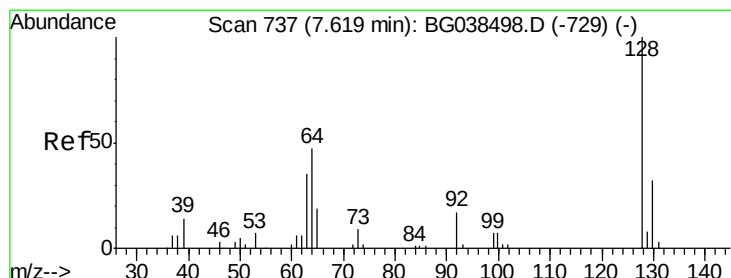
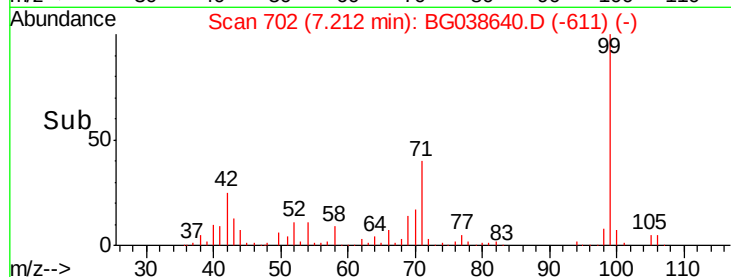
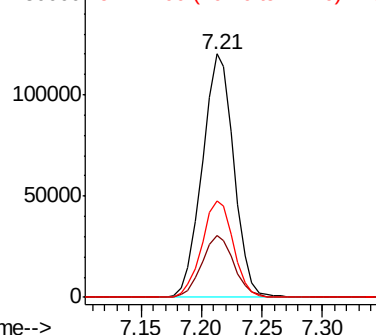


Abundance

Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC



#8

2-Chlorophenol

Concen: 42.506 ng

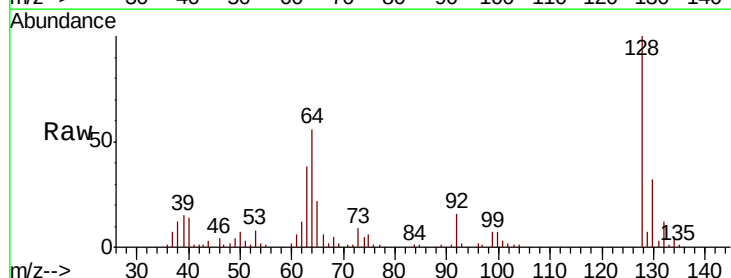
RT: 7.62 min Scan# 771

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 58744 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 130       | 32.3  | 11.8  | 51.8  |
| 64        | 55.8  | 33.2  | 73.2  |

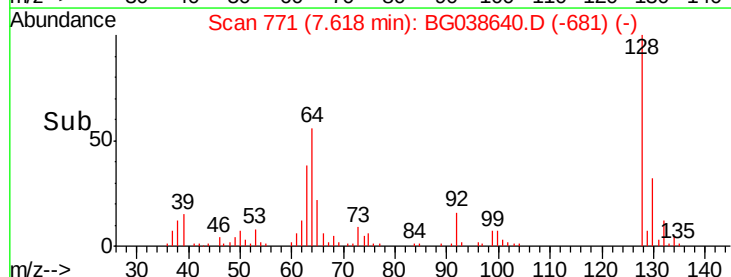
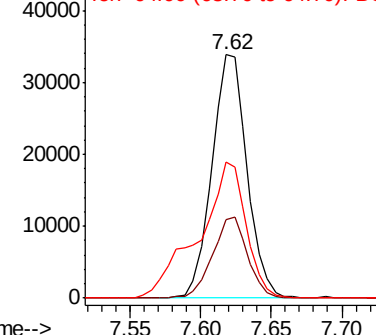


Abundance

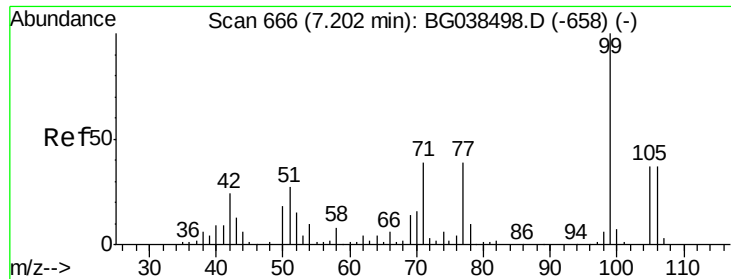
Ion 128.00 (127.70 to 128.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

Ion 64.00 (63.70 to 64.70): BGC







#9

Benzaldehyde

Concen: 18.687 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

ClientSampleId :

PB115718BS

Tot Ion: 77 Resp: 19875

Ion Ratio Lower Upper

77 100

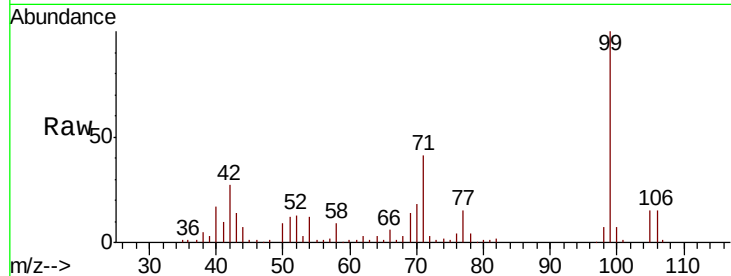
105 100.1 74.0 114.0

106 94.7 73.9 113.9

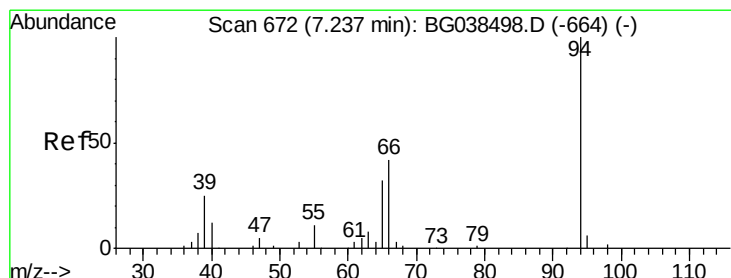
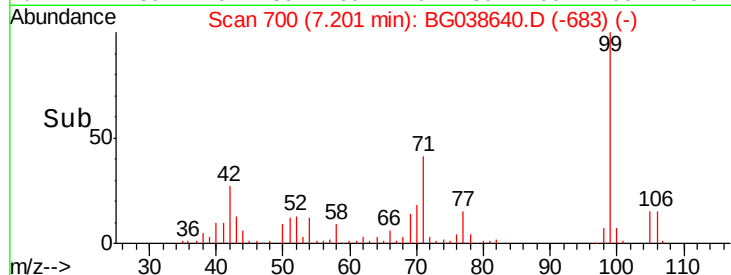
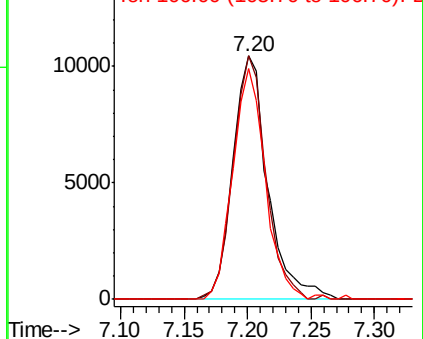
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Abundance Ion 77.00 (76.70 to 77.70): BGC  
Ion 105.00 (104.70 to 105.70): BGC  
Ion 106.00 (105.70 to 106.70): BGC



#10

Phenol

Concen: 42.018 ng

RT: 7.24 min Scan# 707

Delta R.T. 0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

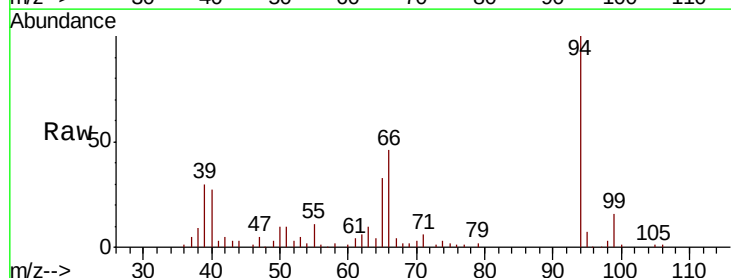
Tgt Ion: 94 Resp: 73186

Ion Ratio Lower Upper

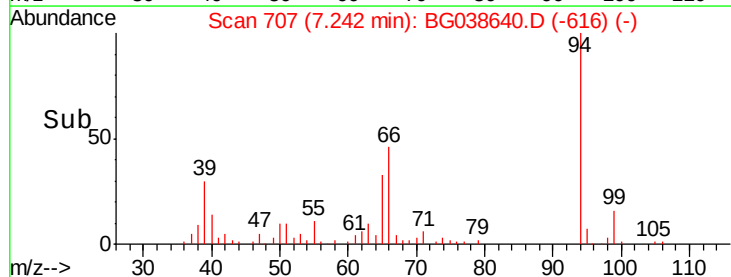
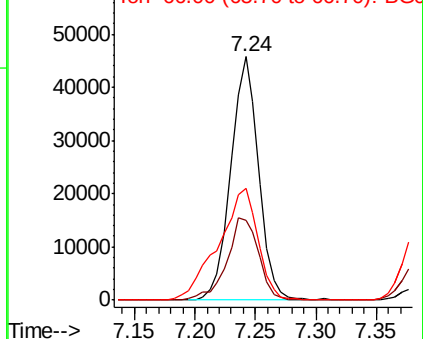
94 100

65 32.7 12.6 52.6

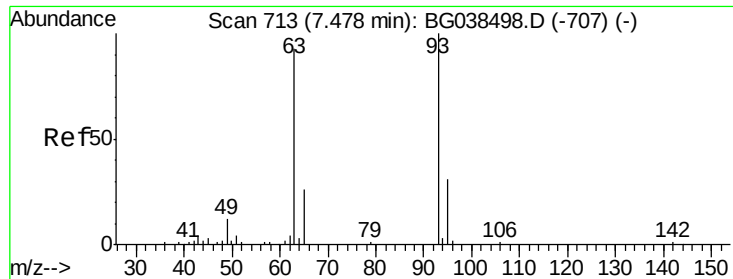
66 45.8 24.1 64.1



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







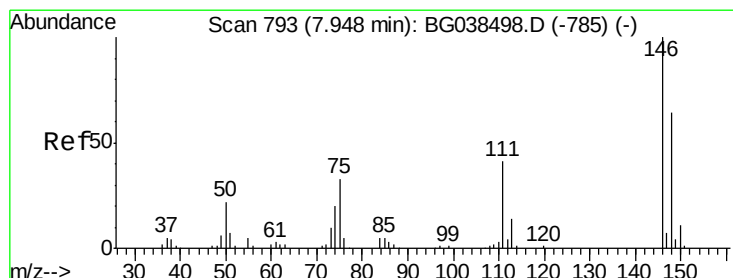
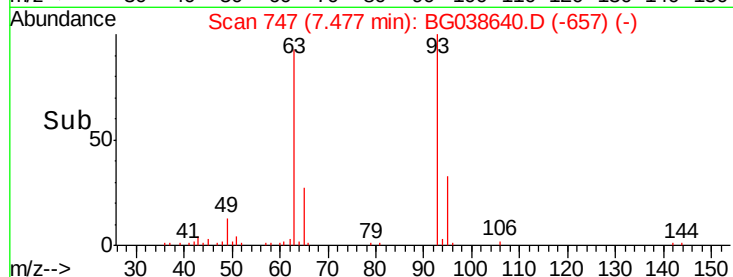
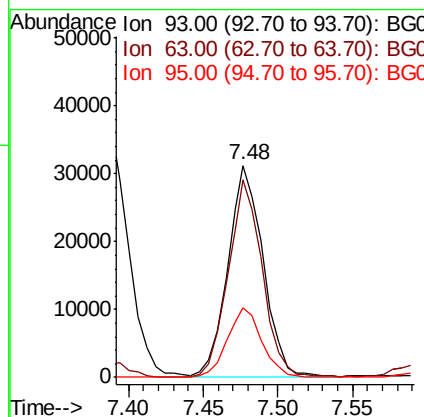
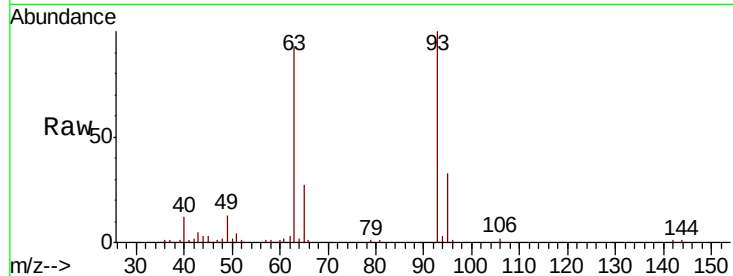
#11  
bis(2-Chloroethyl)ether  
Concen: 37.207 ng  
RT: 7.48 min Scan# 747  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 63      | 93.2  | 72.2  | 112.2 |
| 95      | 33.0  | 11.2  | 51.2  |

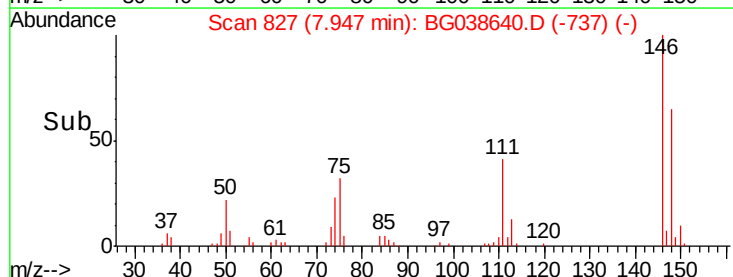
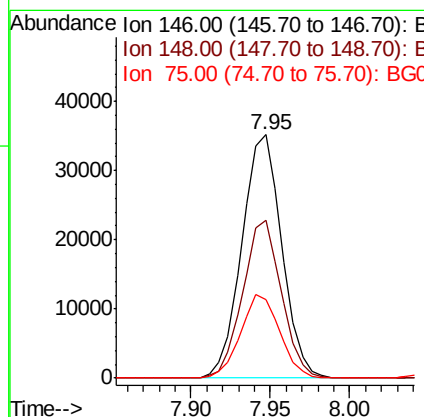
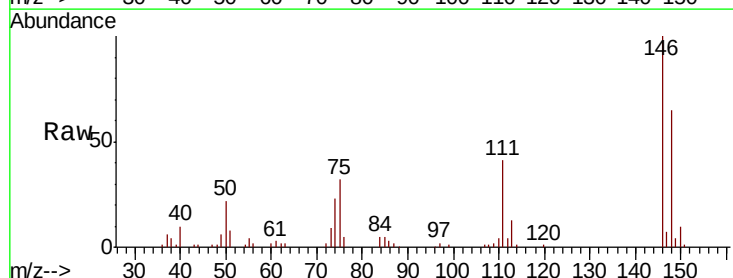
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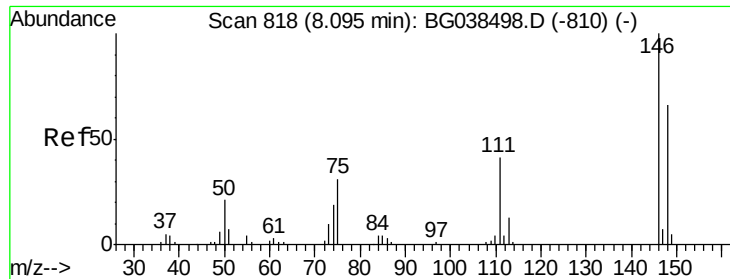
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#12  
1,3-Dichlorobenzene  
Concen: 37.636 ng  
RT: 7.95 min Scan# 827  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 65.0  | 51.4  | 77.0  |
| 75      | 32.3  | 26.1  | 39.1  |





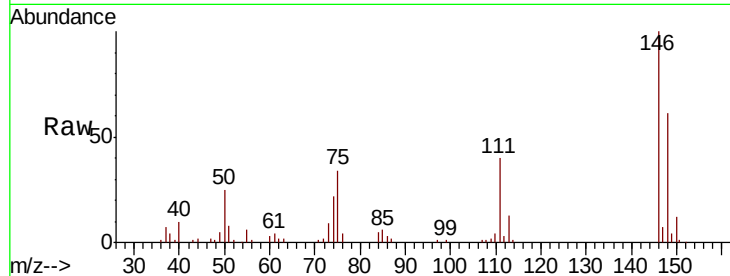
#13  
1,4-Dichlorobenzene  
Concen: 37.852 ng  
RT: 8.09 min Scan# 852  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 60.6  | 52.4  | 78.6  |
| 111     | 39.8  | 33.0  | 49.4  |

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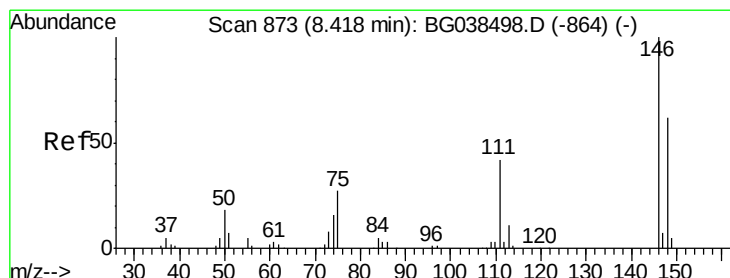
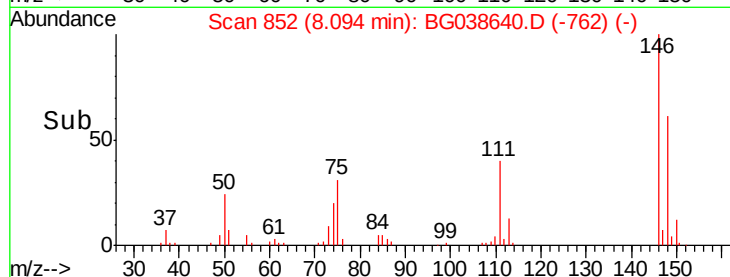
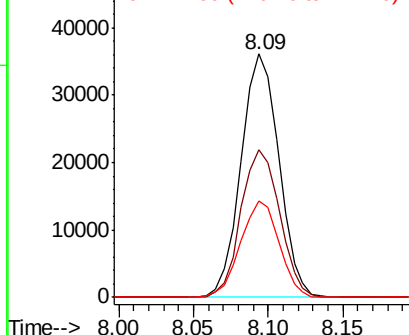


Abundance

Ion 146.00 (145.70 to 146.70): E

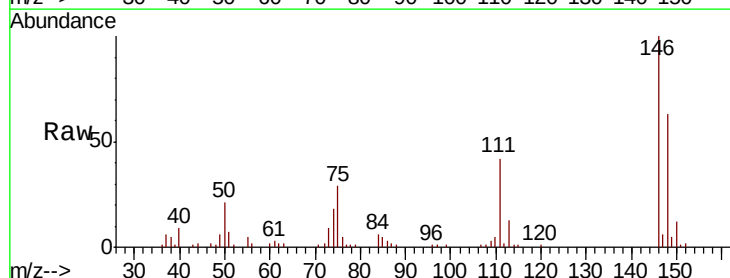
Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14  
1,2-Dichlorobenzene  
Concen: 37.994 ng  
RT: 8.42 min Scan# 907  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 148     | 63.2  | 49.4  | 74.0  |
| 111     | 42.0  | 33.8  | 50.6  |

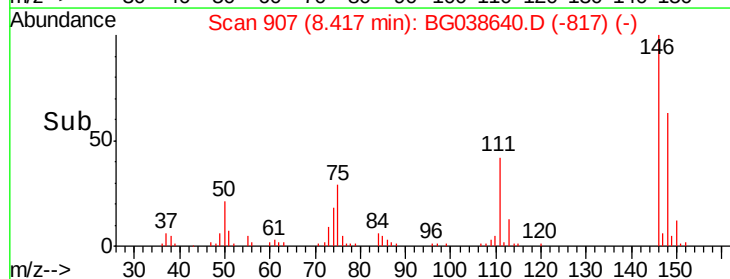
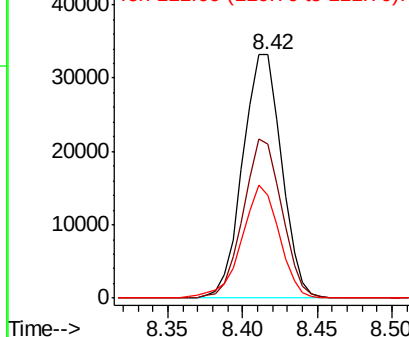


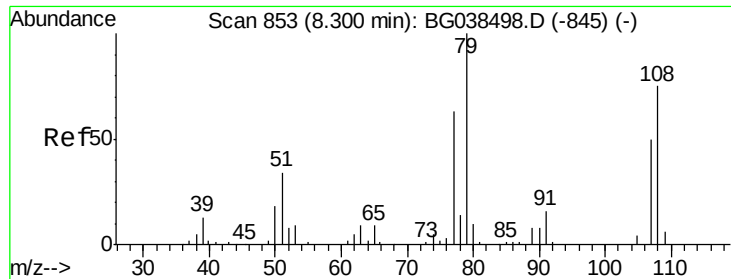
Abundance

Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 42.229 ng

RT: 8.30 min Scan# 887

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

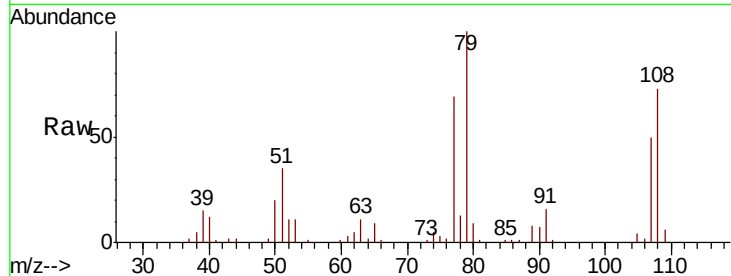
ClientSampleId :

PB115718BS

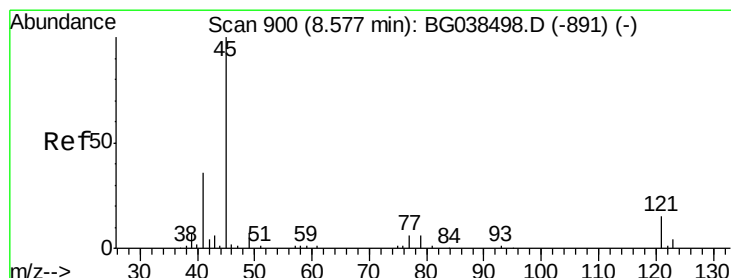
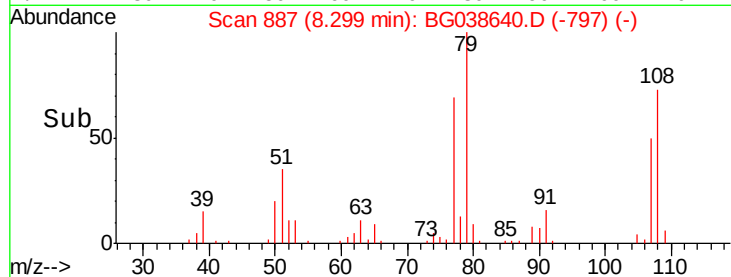
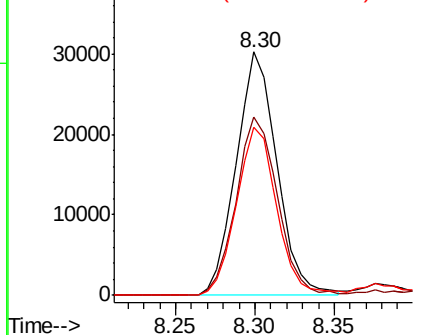
|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 79    | Resp: | 54040 |
| Ion Ratio | Lower | Upper |       |
| 79        | 100   |       |       |
| 108       | 73.1  | 60.2  | 90.4  |
| 77        | 68.8  | 50.7  | 76.1  |

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Abundance Ion 79.00 (78.70 to 79.70): BGC  
Ion 108.00 (107.70 to 108.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC



#16

2,2'-oxybis(1-chloropropane)

Concen: 38.326 ng

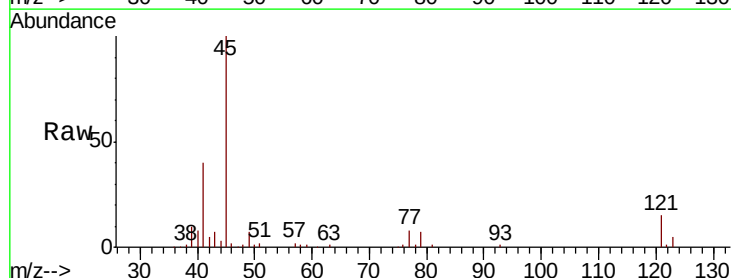
RT: 8.58 min Scan# 935

Delta R.T. 0.00 min

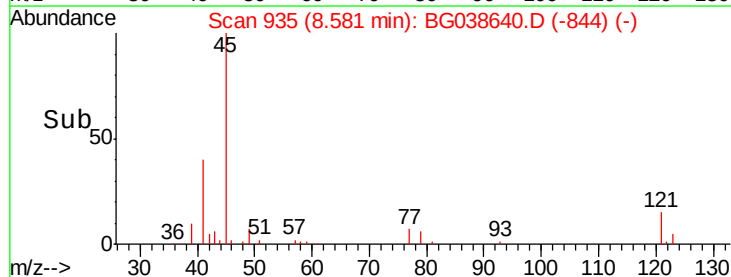
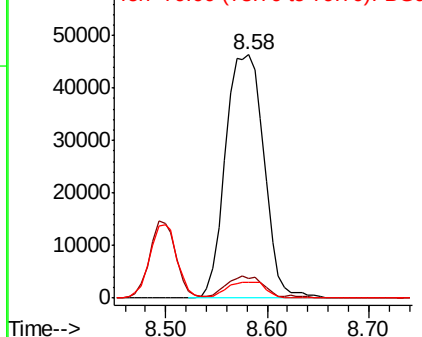
Lab File: BG038640.D

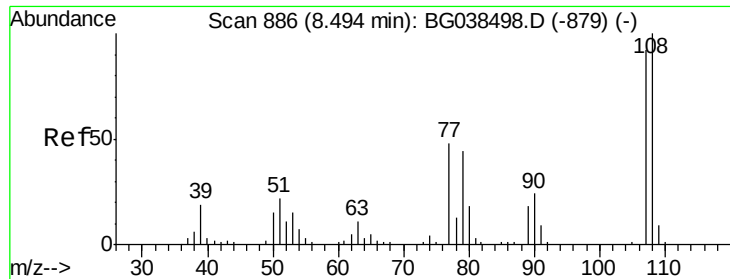
Acq: 16 Dec 2018 14:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 45    | Resp: | 121748 |
| Ion Ratio | Lower | Upper |        |
| 45        | 100   |       |        |
| 77        | 7.9   | 0.0   | 28.2   |
| 79        | 6.6   | 0.0   | 27.2   |



Abundance Ion 45.00 (44.70 to 45.70): BGC  
Ion 77.00 (76.70 to 77.70): BGC  
Ion 79.00 (78.70 to 79.70): BGC





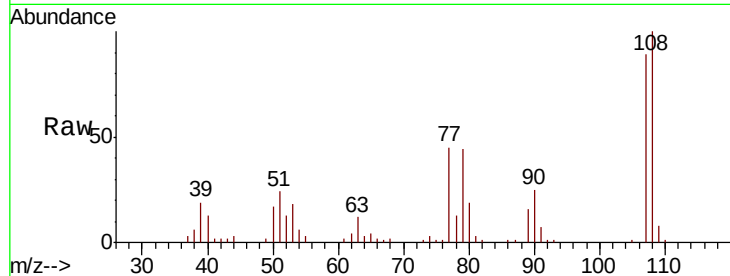
#17  
2-Methylphenol  
Concen: 43.068 ng  
RT: 8.50 min Scan# 921  
Delta R.T. 0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

|         |       |       |       |
|---------|-------|-------|-------|
| Tot Ion | 107   | Resp  | 50259 |
| Ion     | Ratio | Lower | Upper |
| 107     | 100   |       |       |
| 108     | 112.8 | 87.1  | 130.7 |
| 77      | 50.6  | 42.0  | 63.0  |
| 79      | 49.4  | 38.2  | 57.2  |

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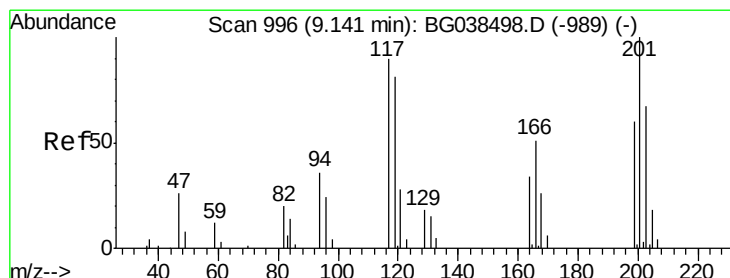
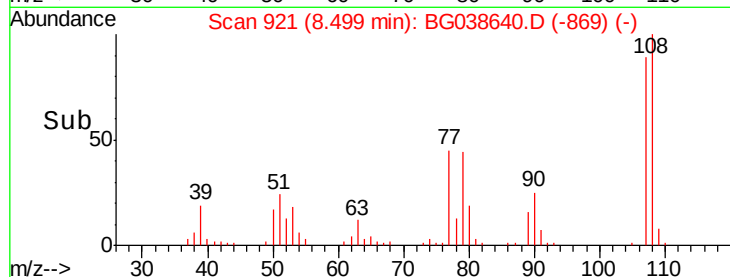
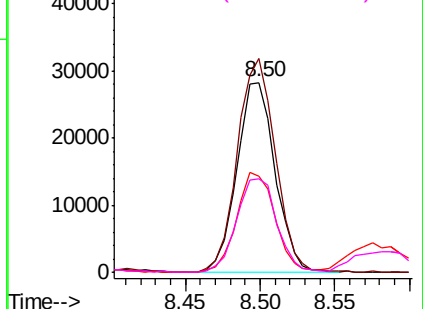
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

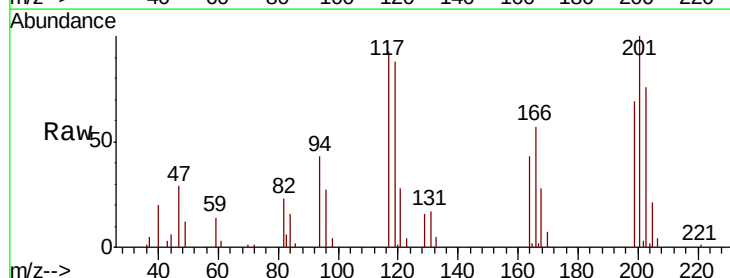
Ion 77.00 (76.70 to 77.70): BGC

Ion 79.00 (78.70 to 79.70): BGC



#18  
Hexachloroethane  
Concen: 37.750 ng  
RT: 9.14 min Scan# 1030  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

|         |       |       |       |
|---------|-------|-------|-------|
| Tgt Ion | 117   | Resp  | 23086 |
| Ion     | Ratio | Lower | Upper |
| 117     | 100   |       |       |
| 119     | 94.0  | 73.8  | 110.8 |
| 201     | 107.1 | 89.4  | 134.0 |

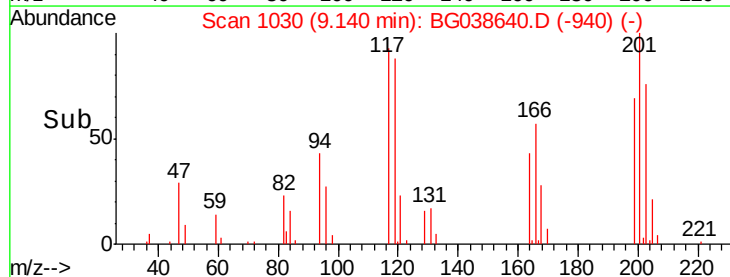
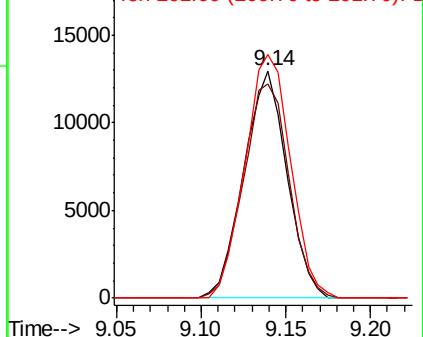


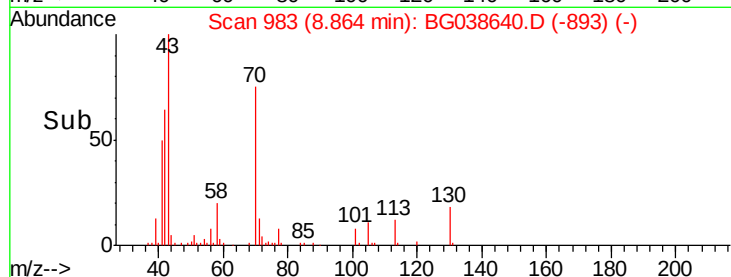
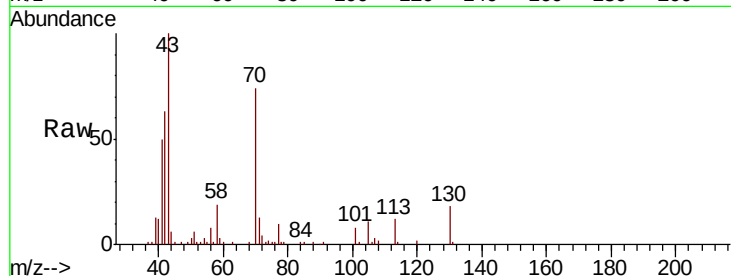
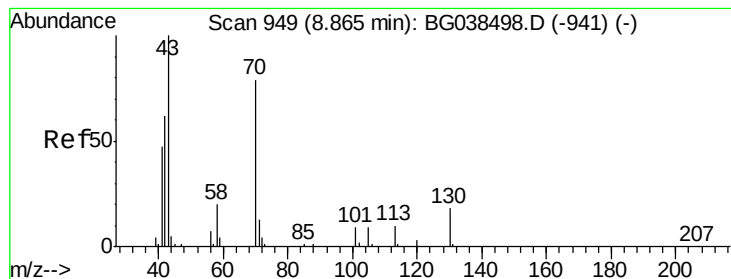
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 37.061 ng

RT: 8.86 min Scan# 983

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

ClientSampleId :

PB115718BS

Tot Ion: 70 Resp: 42675

Ion Ratio Lower Upper

70 100

42 85.1 63.6 95.4

101 10.7 9.2 13.8

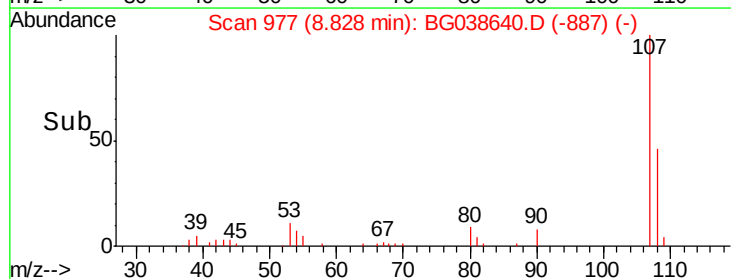
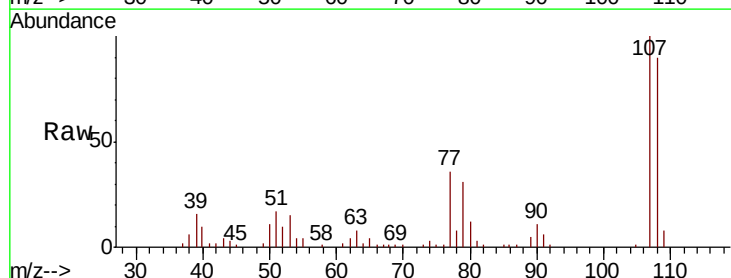
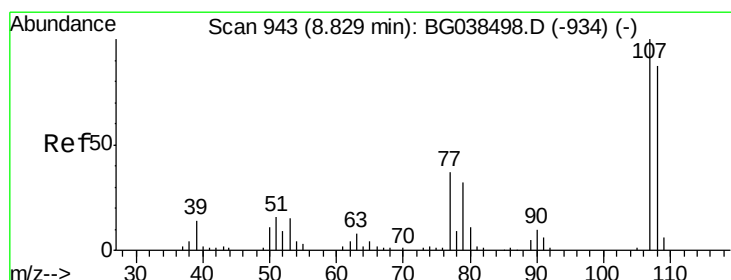
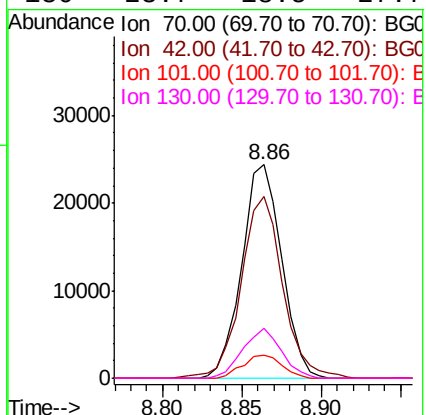
130 23.7 18.5 27.7

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#20

3+4-Methylphenols

Concen: 41.860 ng

RT: 8.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Tgt Ion: 107 Resp: 67463

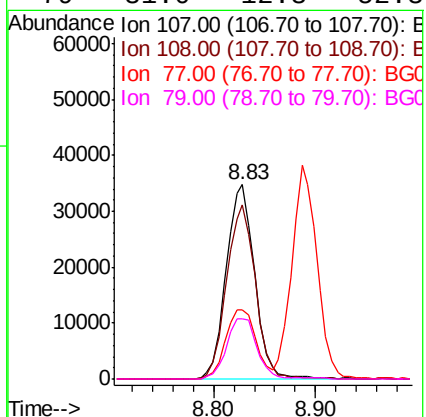
Ion Ratio Lower Upper

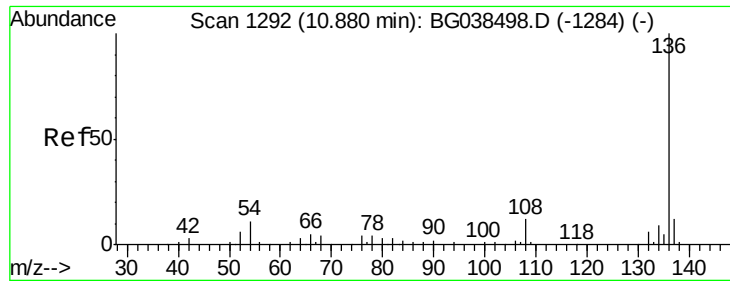
107 100

108 89.8 66.7 106.7

77 35.8 17.3 57.3

79 31.0 12.3 52.3





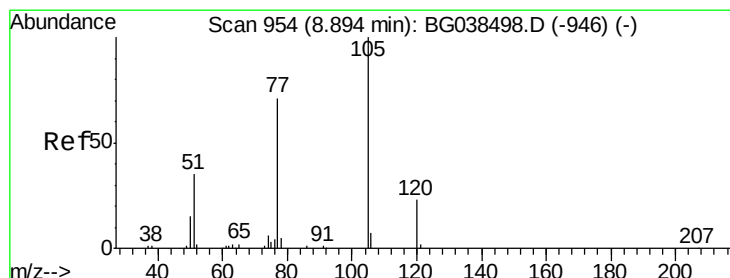
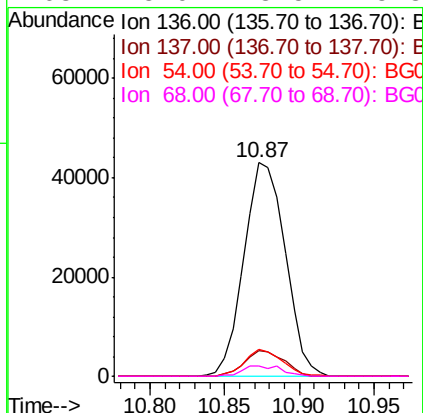
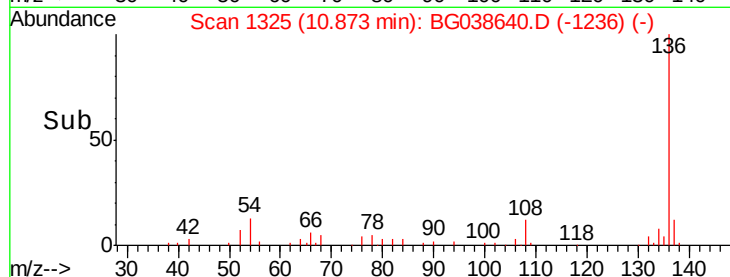
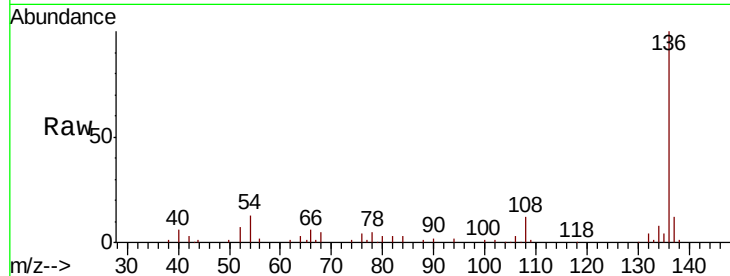
#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.87 min Scan# 1325  
Delta R.T. -0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 136     | 100   |       |       |
| 137     | 11.8  | 9.3   | 13.9  |
| 54      | 12.6  | 8.5   | 12.7  |
| 68      | 5.0   | 3.5   | 5.3   |

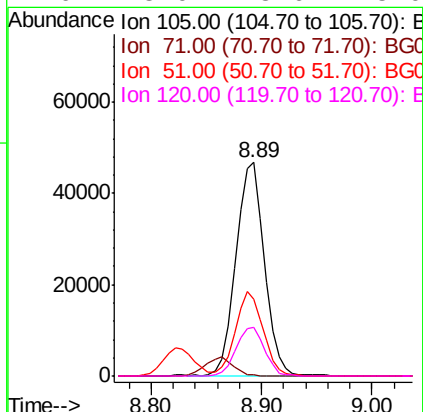
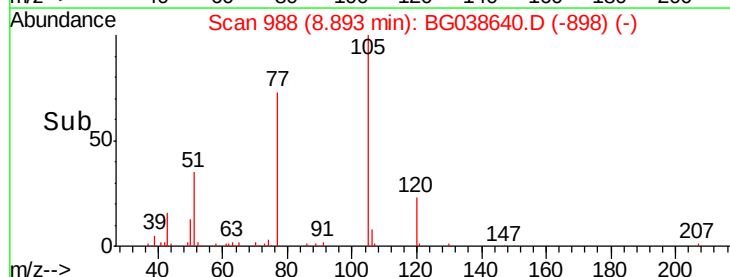
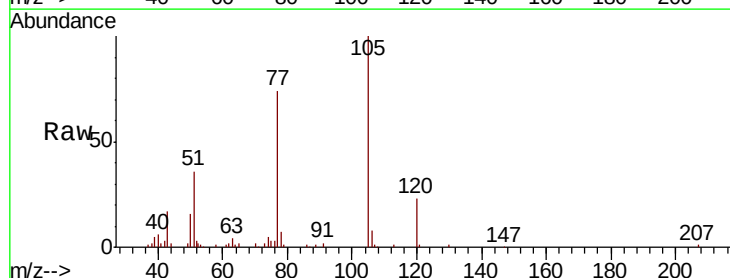
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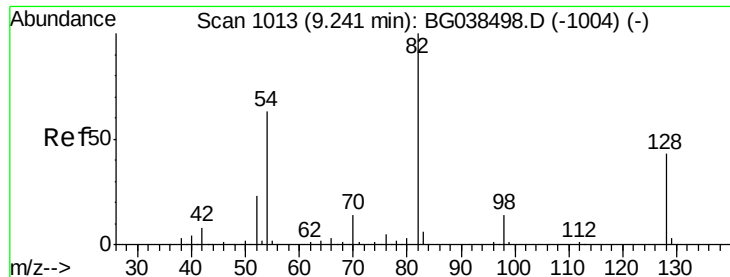
Sohil  
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#22  
Acetophenone  
Concen: 41.406 ng  
RT: 8.89 min Scan# 988  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 71      | 0.4   | 0.4   | 0.6   |
| 51      | 35.7  | 30.6  | 46.0  |
| 120     | 23.0  | 18.6  | 28.0  |





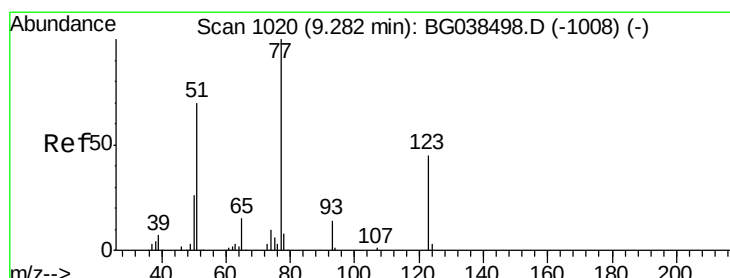
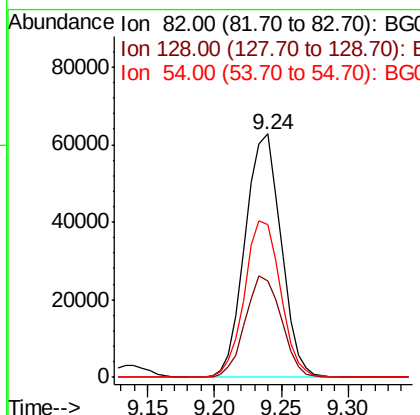
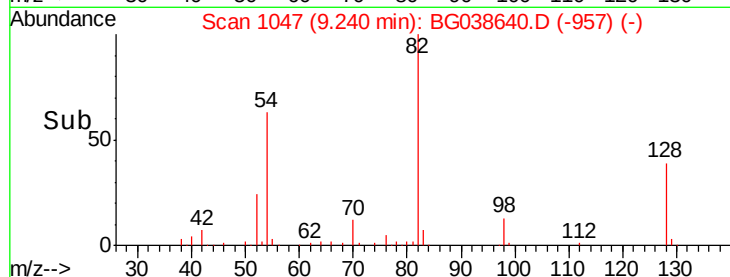
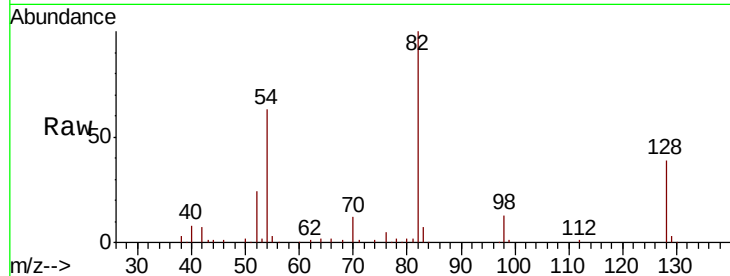
#23  
Nitrobenzene-d5  
Concen: 72.653 ng  
RT: 9.24 min Scan# 1047  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 82      | 100   |       |       |
| 128     | 39.4  | 34.6  | 52.0  |
| 54      | 62.6  | 50.6  | 76.0  |

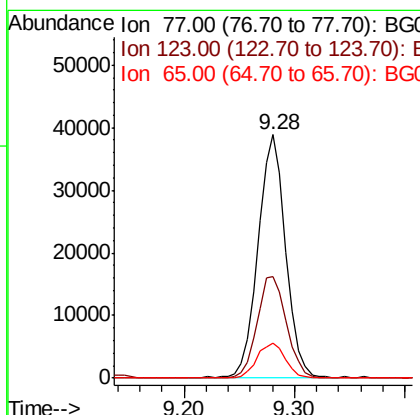
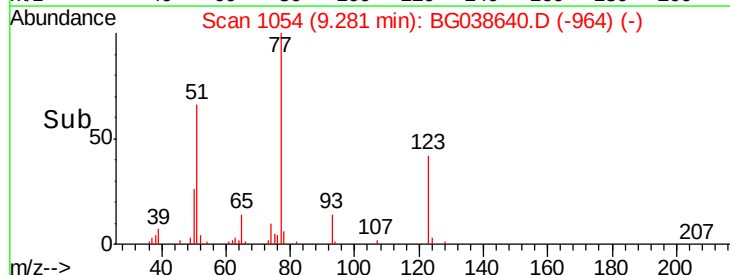
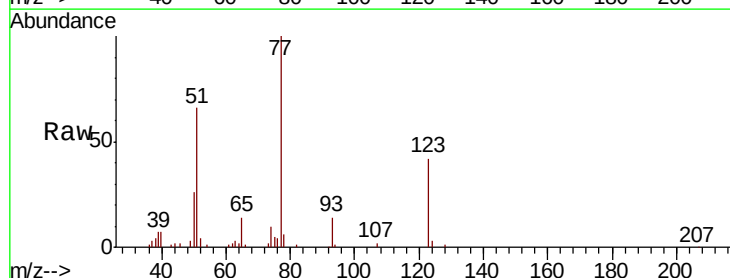
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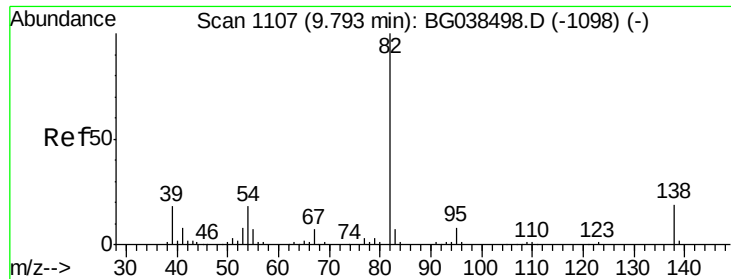


#24  
Nitrobenzene  
Concen: 41.920 ng  
RT: 9.28 min Scan# 1054  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 123     | 41.7  | 35.9  | 53.9  |
| 65      | 14.3  | 12.0  | 18.0  |







#25

Isophorone

Concen: 41.712 ng

RT: 9.79 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

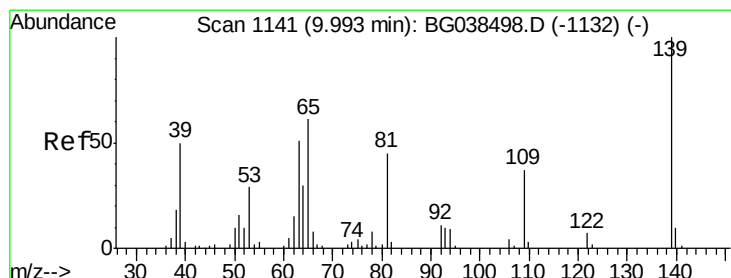
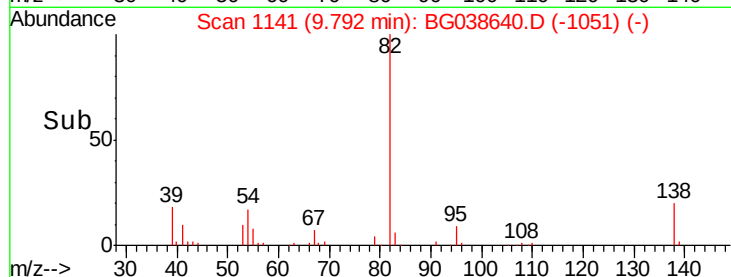
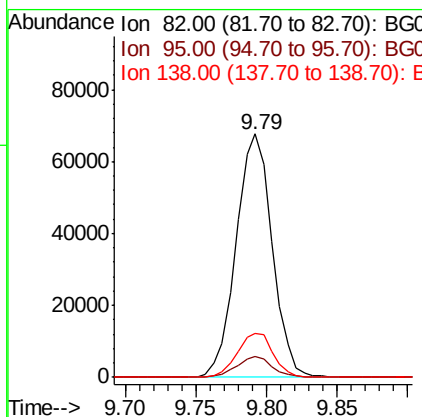
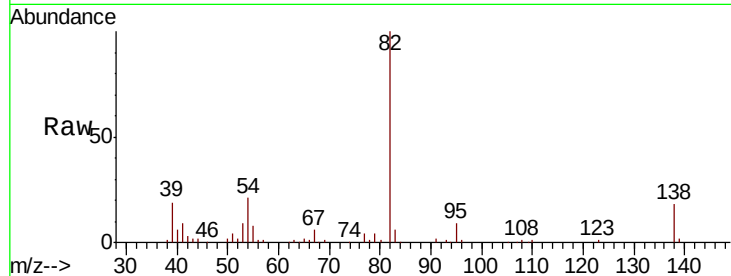
ClientSampleId :

PB115718BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 82    | Resp: | 120768 |
| Ion Ratio | Lower | Upper |        |
| 82        | 100   |       |        |
| 95        | 8.6   | 6.1   | 9.1    |
| 138       | 17.9  | 14.9  | 22.3   |

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#26

2-Nitrophenol

Concen: 39.627 ng

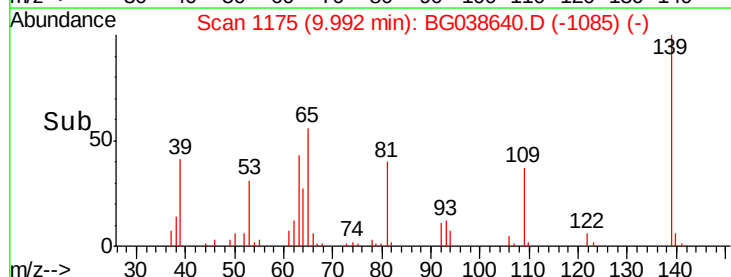
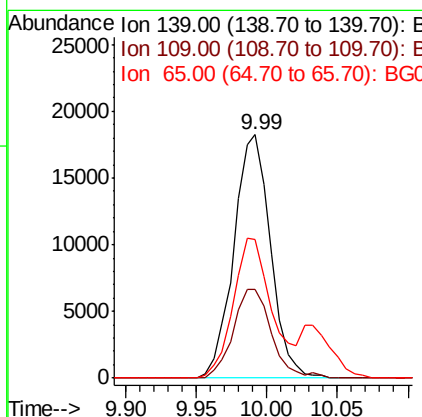
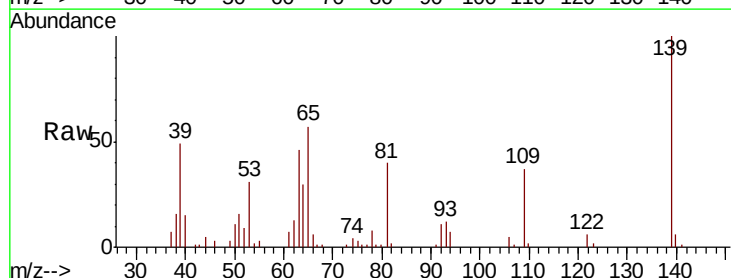
RT: 9.99 min Scan# 1175

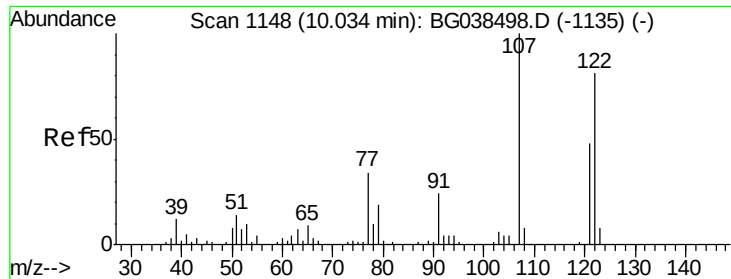
Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 139   | Resp: | 33063 |
| Ion Ratio | Lower | Upper |       |
| 139       | 100   |       |       |
| 109       | 36.5  | 29.5  | 44.3  |
| 65        | 57.0  | 48.5  | 72.7  |





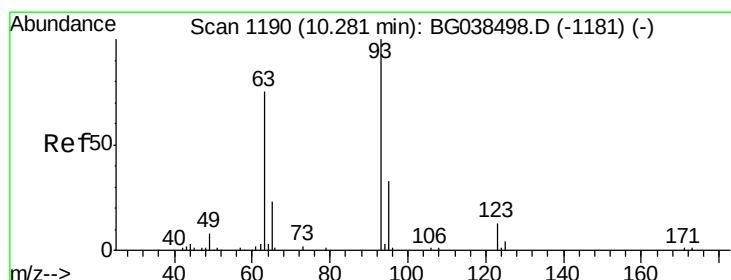
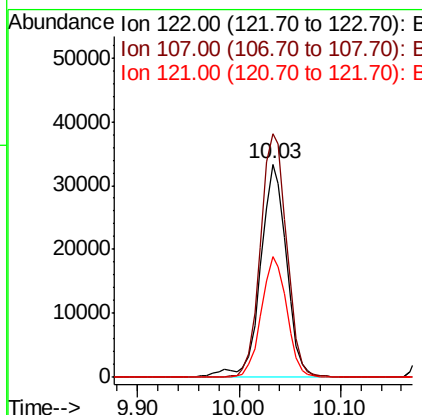
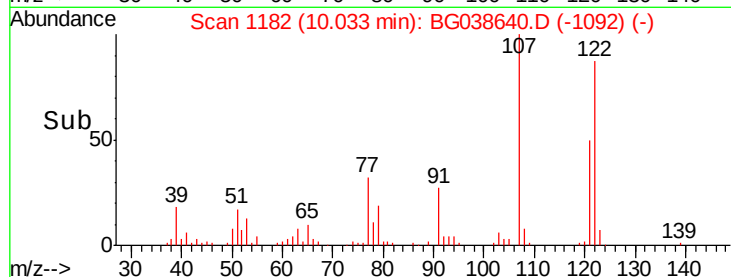
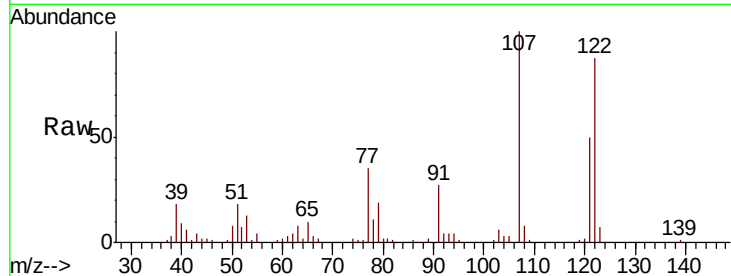
#27  
2,4-Dimethylphenol  
Concen: 49.572 ng  
RT: 10.03 min Scan# 1182  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 114.3 | 98.4  | 147.6 |
| 121     | 56.8  | 47.2  | 70.8  |

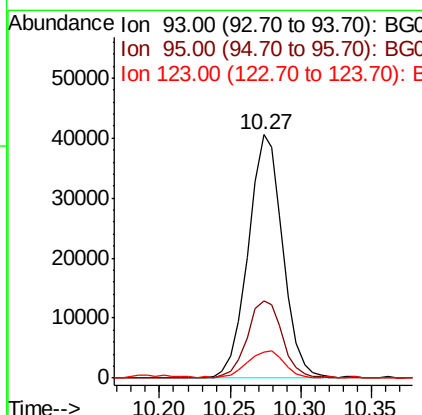
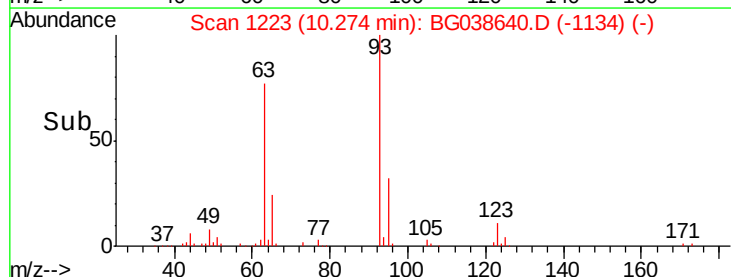
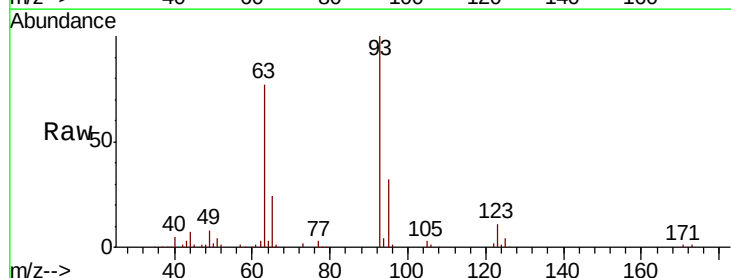
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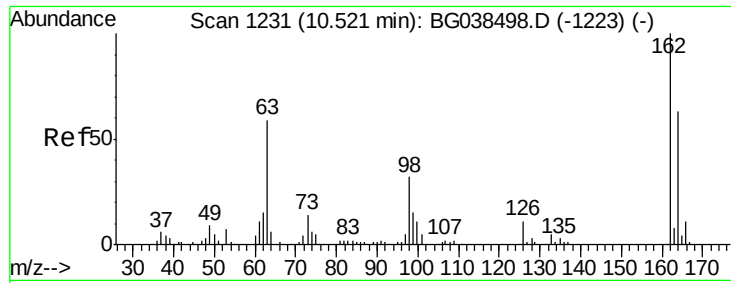
Sohil  
12/17/2018 4:14:03 PM



#28  
bis(2-Chloroethoxy)methane  
Concen: 42.560 ng  
RT: 10.27 min Scan# 1223  
Delta R.T. -0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 31.9  | 26.6  | 40.0  |
| 123     | 10.9  | 10.6  | 16.0  |





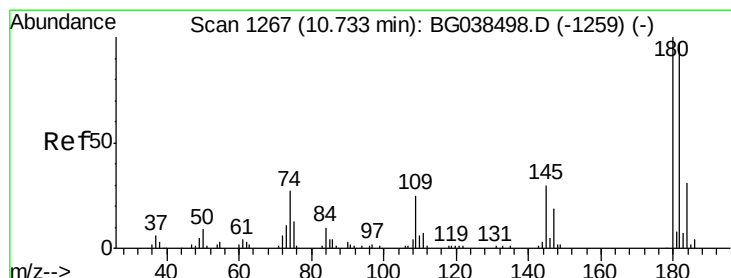
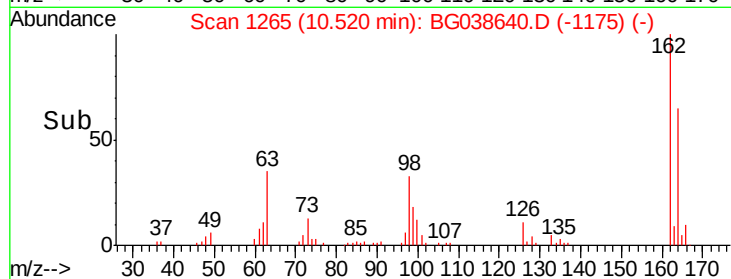
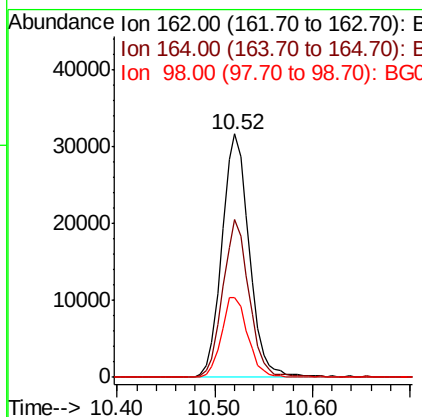
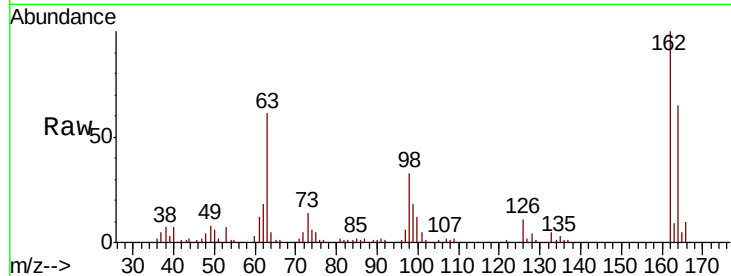
#29  
2,4-Dichlorophenol  
Concen: 46.035 ng  
RT: 10.52 min Scan# 1265  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 164     | 64.7  | 42.9  | 82.9  |
| 98      | 32.9  | 12.1  | 52.1  |

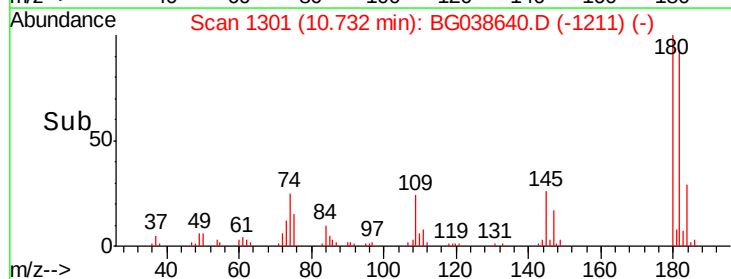
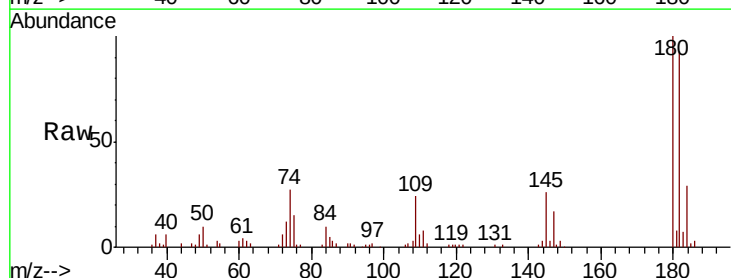
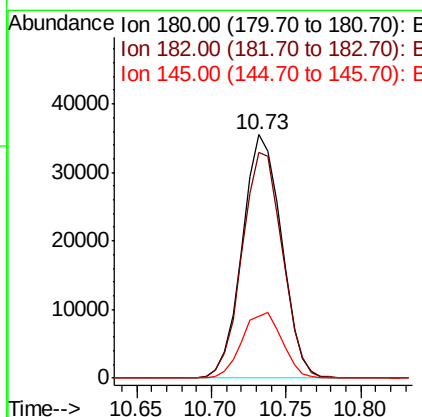
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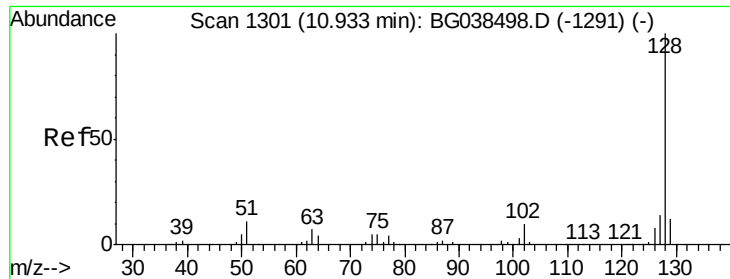
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#30  
1,2,4-Trichlorobenzene  
Concen: 40.146 ng  
RT: 10.73 min Scan# 1301  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 92.8  | 77.4  | 116.0 |
| 145     | 25.7  | 24.1  | 36.1  |





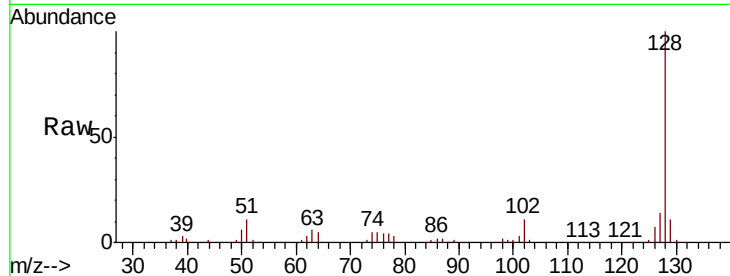
#31  
Naphthalene  
Concen: 43.663 ng  
RT: 10.93 min Scan# 1334  
Delta R.T. -0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 129     | 11.5  | 9.5   | 14.3  |
| 127     | 13.9  | 10.9  | 16.3  |

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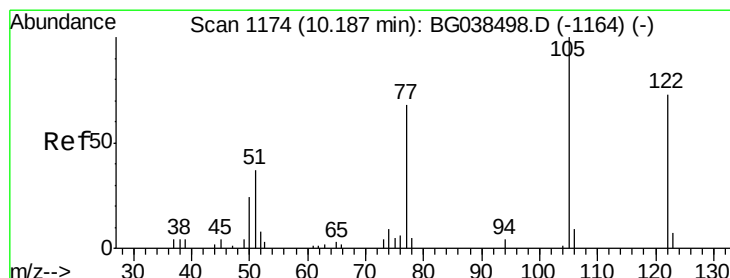
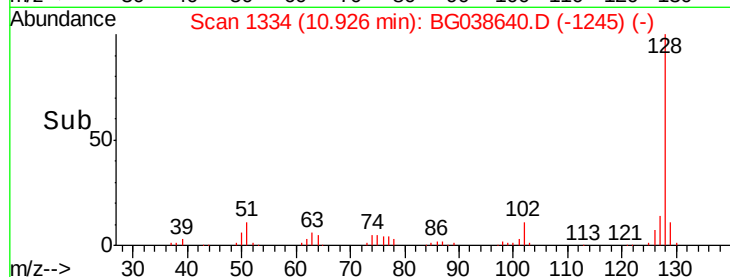
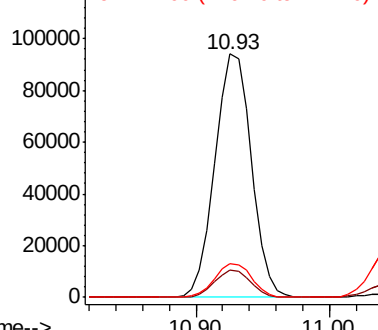


Abundance

Ion 128.00 (127.70 to 128.70): E

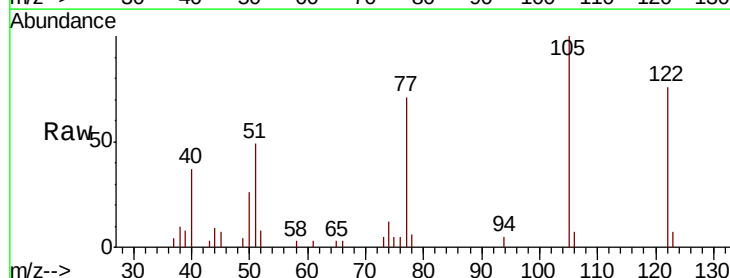
Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32  
Benzoic acid  
Concen: 31.413 ng m  
RT: 10.19 min Scan# 1209  
Delta R.T. 0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 105     | 131.1 | 116.7 | 156.7 |
| 77      | 93.6  | 72.5  | 112.5 |

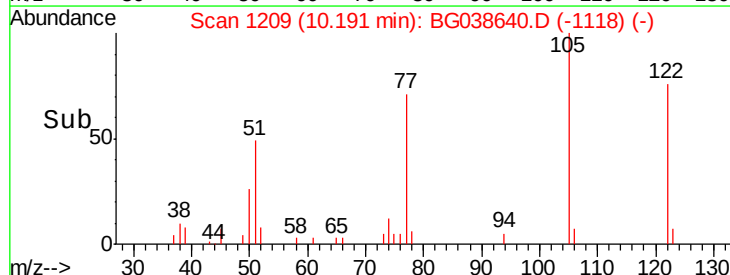
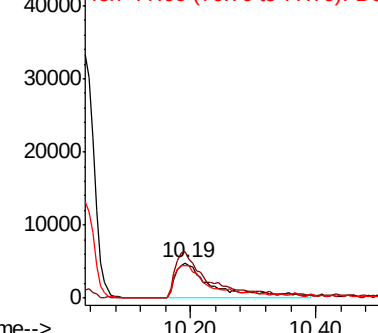


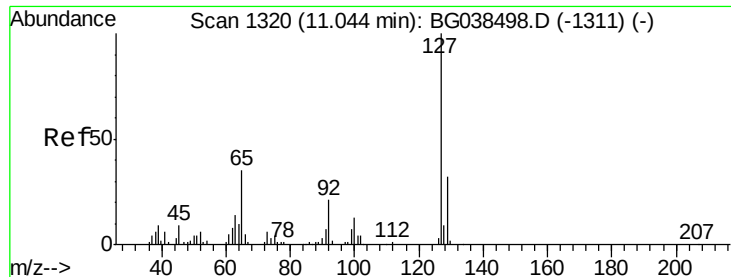
Abundance

Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGO





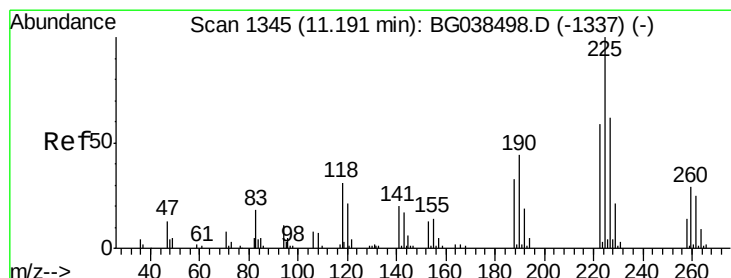
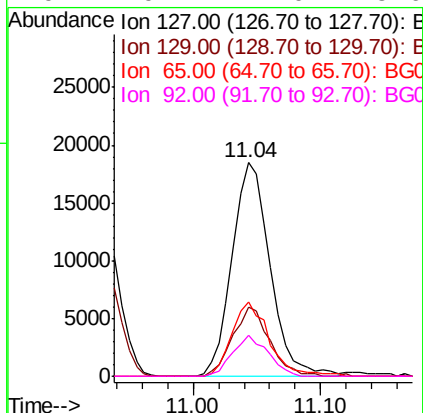
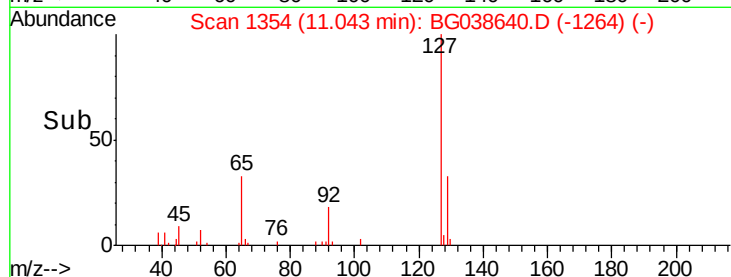
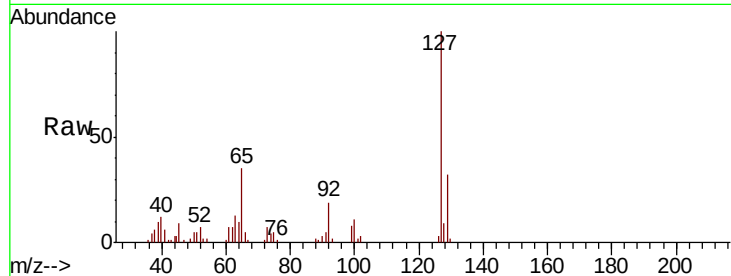
#33  
4-Chloroaniline  
Concen: 21.833 ng  
RT: 11.04 min Scan# 1354  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.3  | 25.8  | 38.8  |
| 65      | 34.5  | 27.8  | 41.6  |
| 92      | 19.2  | 17.0  | 25.6  |

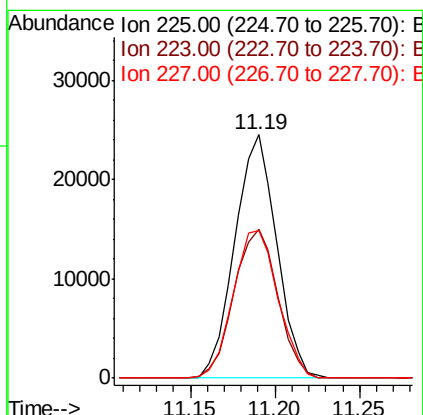
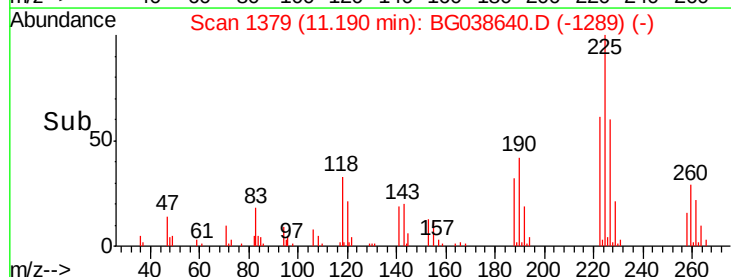
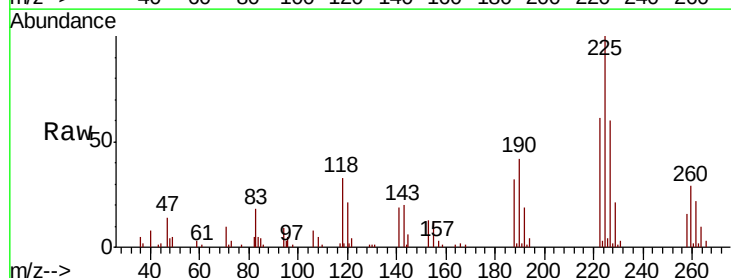
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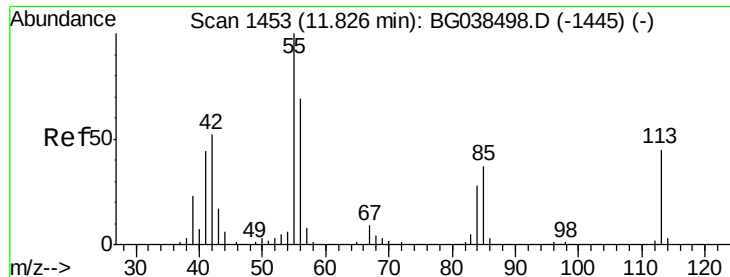
Sohil  
12/17/2018 4:14:03 PM



#34  
Hexachlorobutadiene  
Concen: 38.926 ng  
RT: 11.19 min Scan# 1379  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 61.3  | 45.0  | 67.6  |
| 227     | 57.9  | 50.6  | 75.8  |





#35

Caprolactam

Concen: 36.013 ng

RT: 11.82 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

ClientSampled :

PB115718BS

Tot Ion:113 Resp: 19826

Ion Ratio Lower Upper

113 100

55 214.0 204.3 244.3

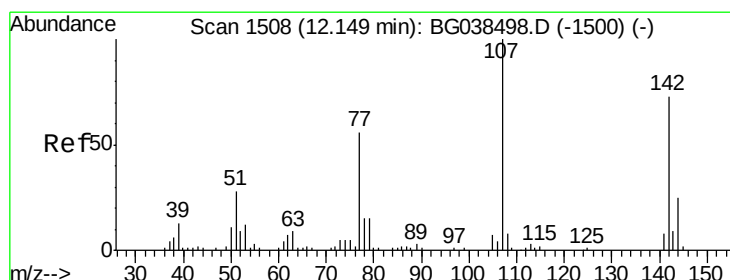
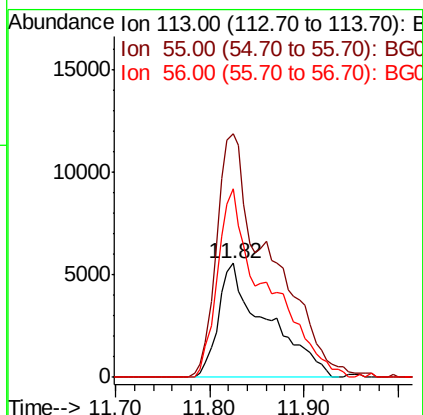
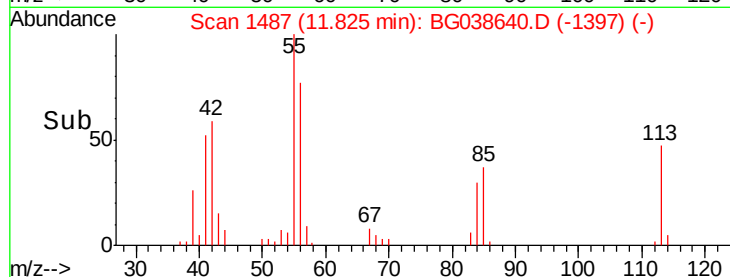
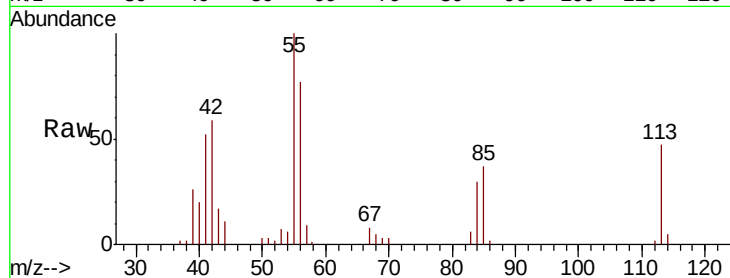
56 165.7 135.0 175.0

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#36

4-Chloro-3-methylphenol

Concen: 40.974 ng

RT: 12.15 min Scan# 1543

Delta R.T. 0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

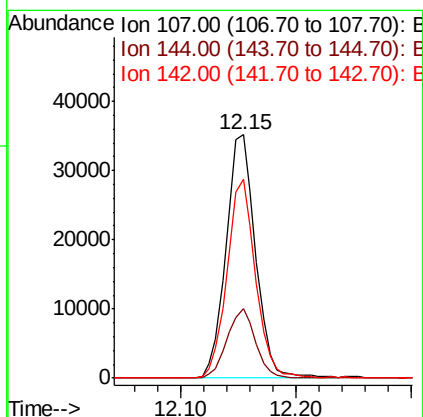
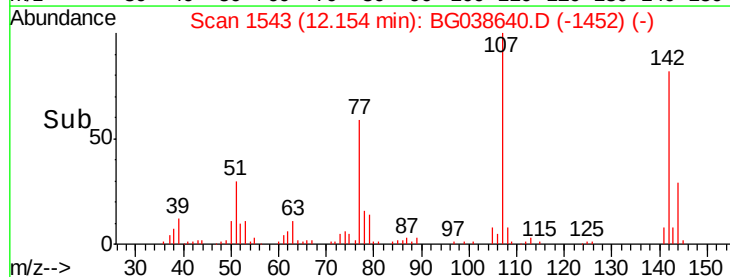
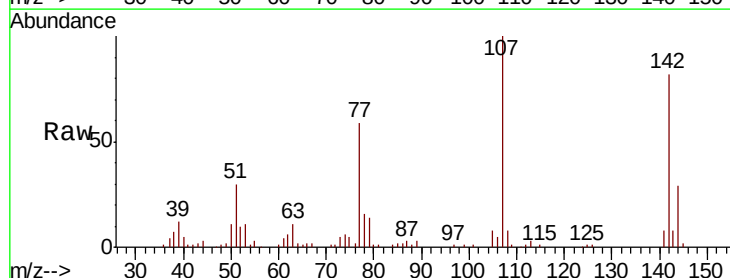
Tgt Ion:107 Resp: 62201

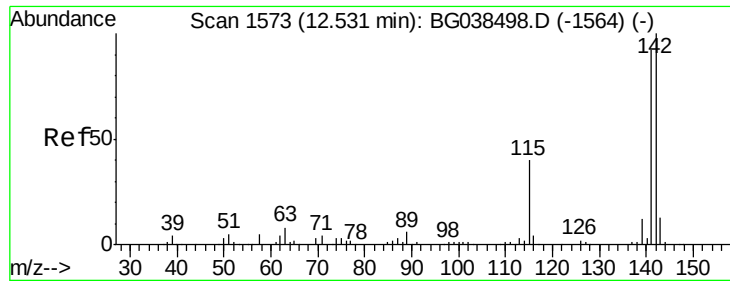
Ion Ratio Lower Upper

107 100

144 28.6 20.1 30.1

142 81.6 58.7 88.1





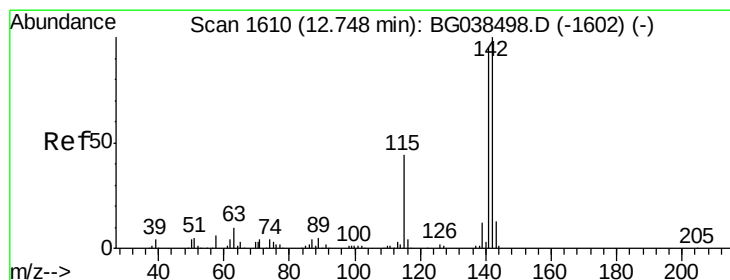
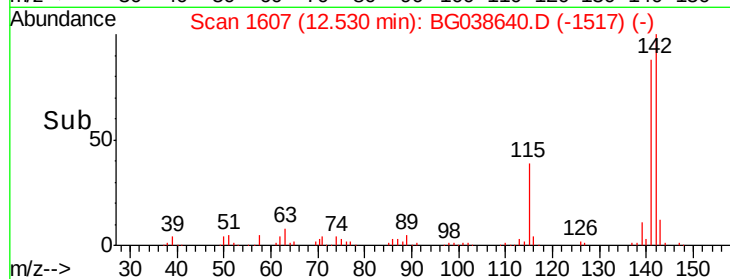
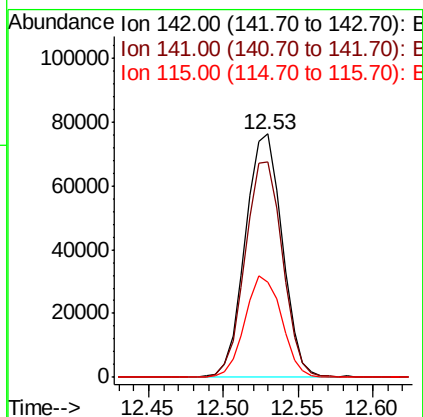
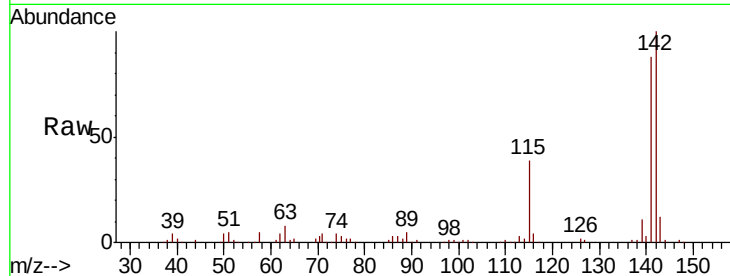
#37  
2-Methylnaphthalene  
Concen: 45.164 ng  
RT: 12.53 min Scan# 1607  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 88.5  | 73.5  | 110.3 |
| 115     | 38.9  | 31.7  | 47.5  |

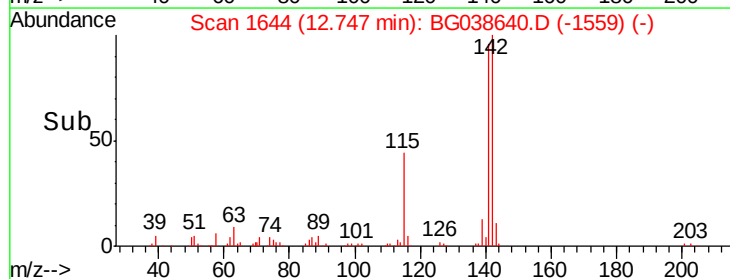
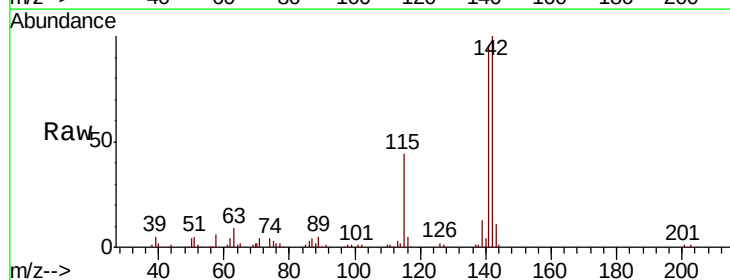
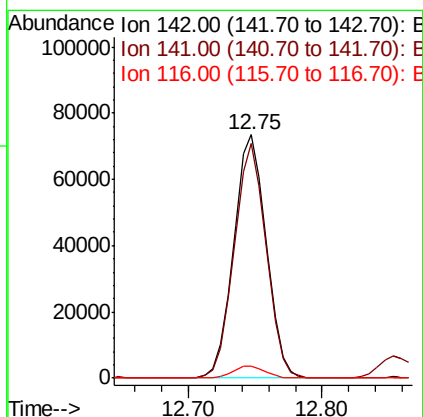
Manual Integrations  
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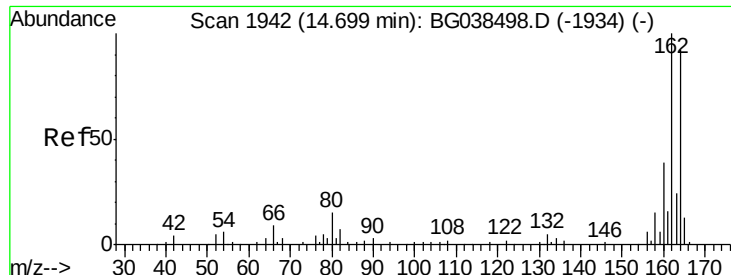
Sohil  
12/17/2018 4:14:03 PM



#38  
1-Methylnaphthalene  
Concen: 44.174 ng  
RT: 12.75 min Scan# 1644  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 141     | 96.4  | 75.8  | 113.8 |
| 116     | 4.7   | 3.6   | 5.4   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.70 min Scan# 1976

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

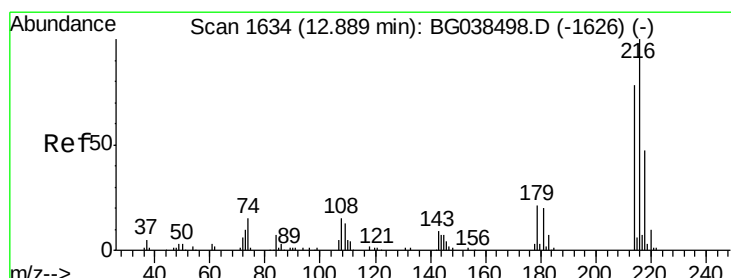
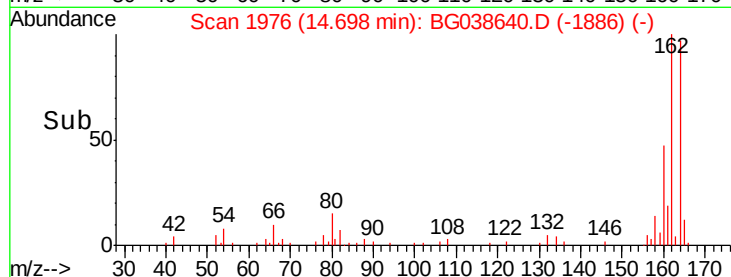
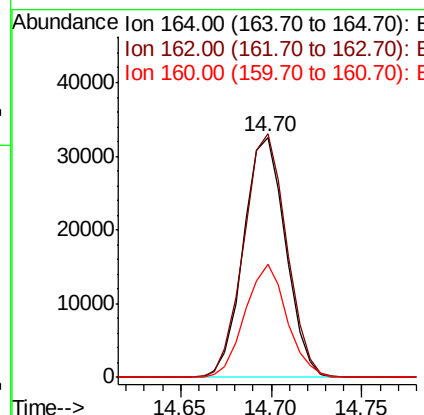
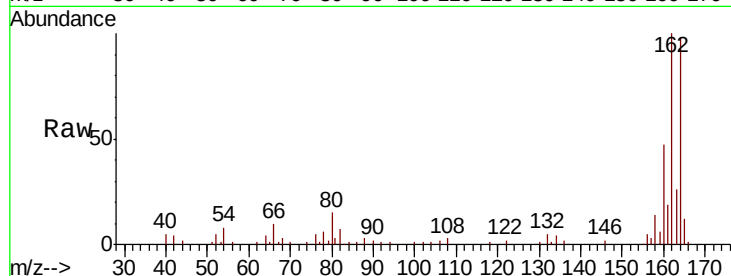
ClientSampleId :

PB115718BS

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 164   | Resp: | 52496 |
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.5 | 86.6  | 130.0 |
| 160       | 47.4  | 34.2  | 51.2  |

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.356 ng

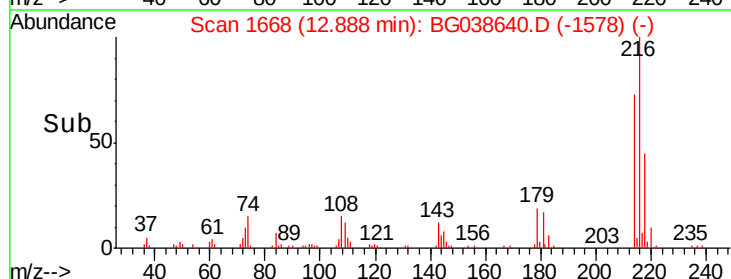
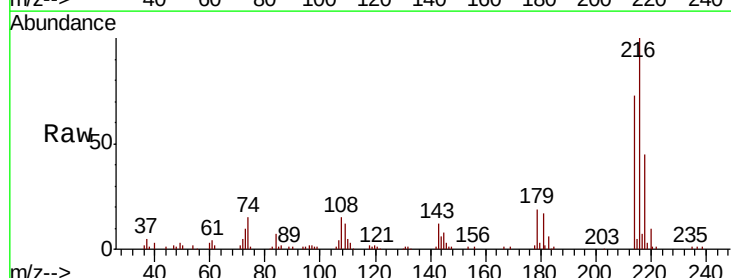
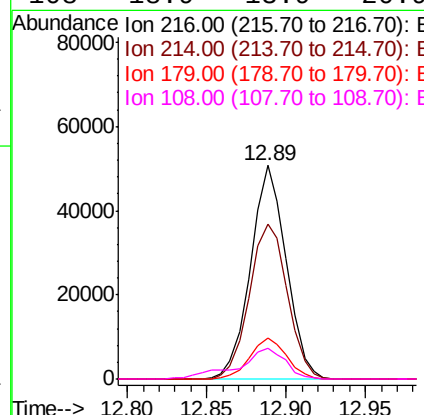
RT: 12.89 min Scan# 1668

Delta R.T. -0.00 min

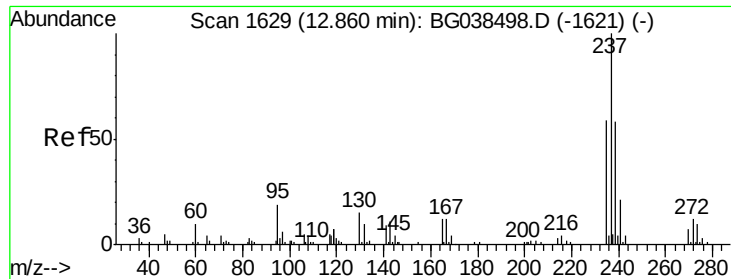
Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 79189 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 77.4  | 64.1  | 96.1  |
| 179       | 19.5  | 16.4  | 24.6  |
| 108       | 18.9  | 13.9  | 20.9  |







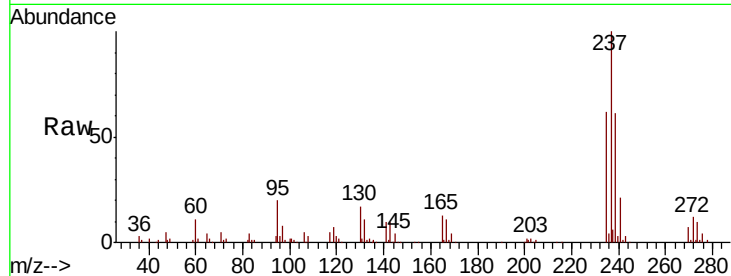
#41  
Hexachlorocyclopentadiene  
Concen: 97.706 ng  
RT: 12.85 min Scan# 1662  
Delta R.T. -0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

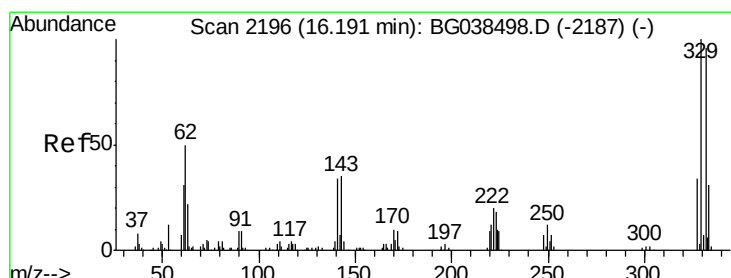
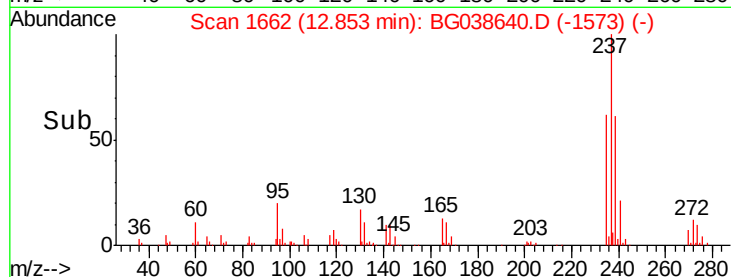
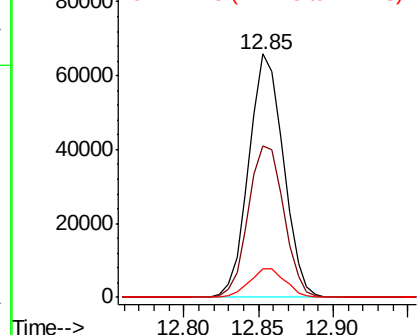
| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 237     | 100   |      |       |       |
| 235     | 62.0  | 38.8 | 78.8  |       |
| 272     | 11.9  | 0.0  | 32.0  |       |

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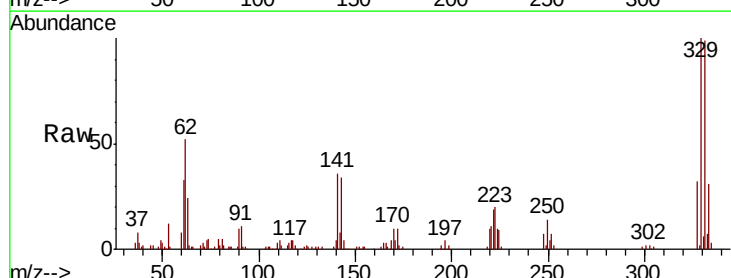


Abundance Ion 236.80 (236.50 to 237.50): E  
Ion 234.90 (234.60 to 235.60): E  
Ion 271.75 (271.45 to 272.45): E

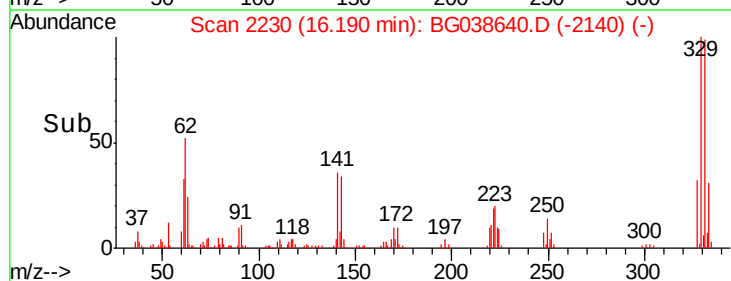
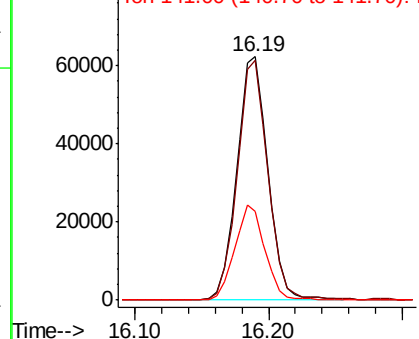


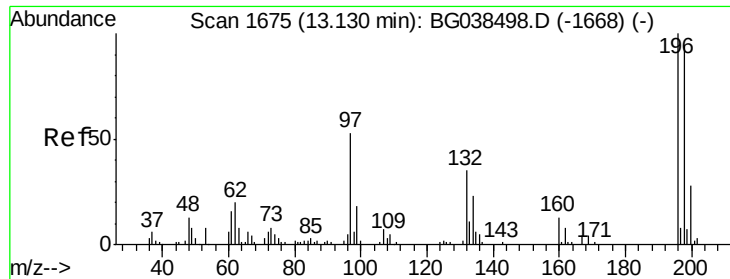
#42  
2,4,6-Tribromophenol  
Concen: 138.852 ng  
RT: 16.19 min Scan# 2230  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 330     | 100   |      |       |       |
| 332     | 97.0  | 76.9 | 115.3 |       |
| 141     | 38.2  | 28.8 | 43.2  |       |



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





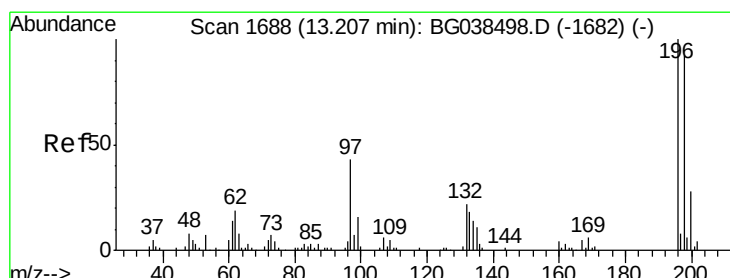
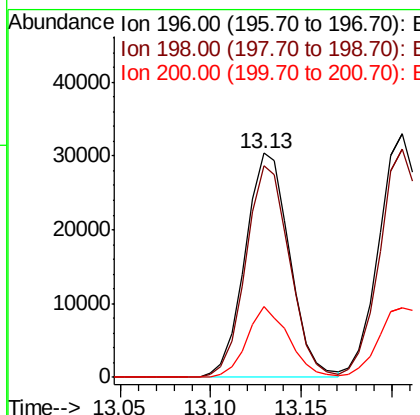
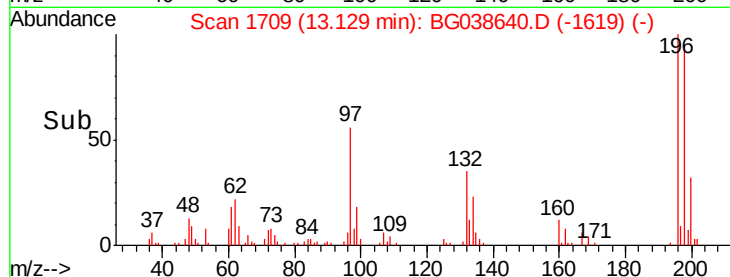
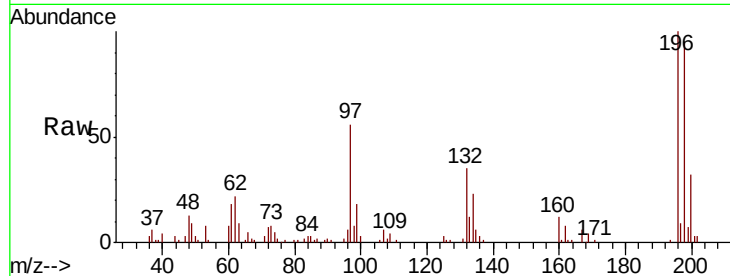
#43  
 2,4,6-Trichlorophenol  
 Concen: 42.900 ng  
 RT: 13.13 min Scan# 1709  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 51760 |       |       |
| 198     | 94.5  |       | 75.0  | 112.4 |
| 200     | 31.8  |       | 22.4  | 33.6  |

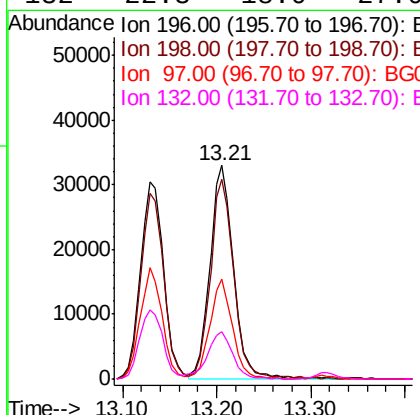
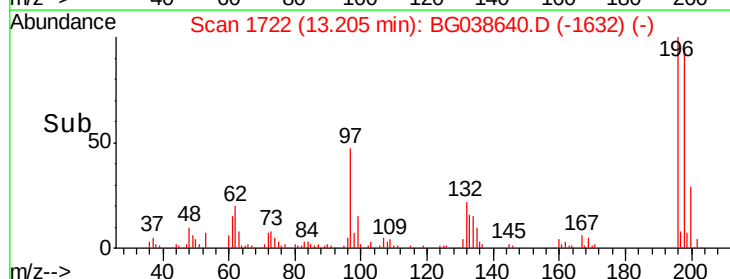
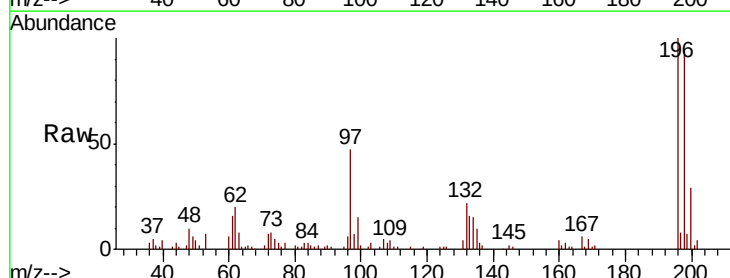
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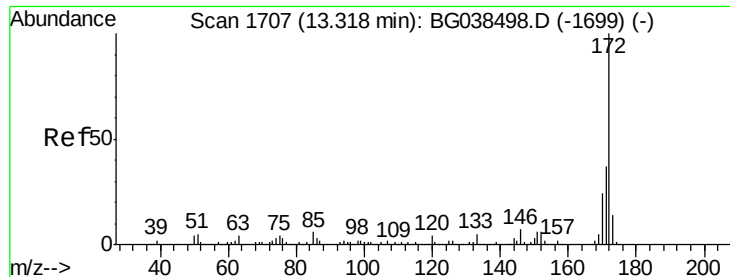
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#44  
 2,4,5-Trichlorophenol  
 Concen: 45.492 ng  
 RT: 13.21 min Scan# 1722  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 196     | 100   | 58114 |       |       |
| 198     | 93.8  |       | 74.0  | 111.0 |
| 97      | 47.0  |       | 35.1  | 52.7  |
| 132     | 22.3  |       | 18.0  | 27.0  |





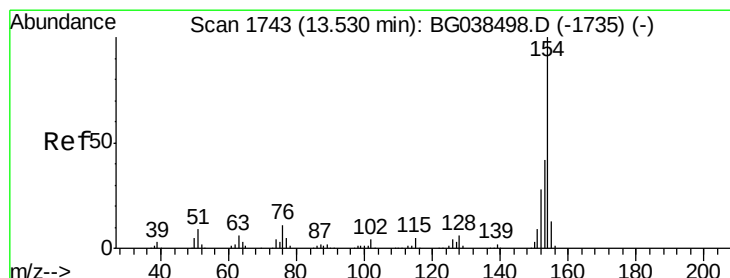
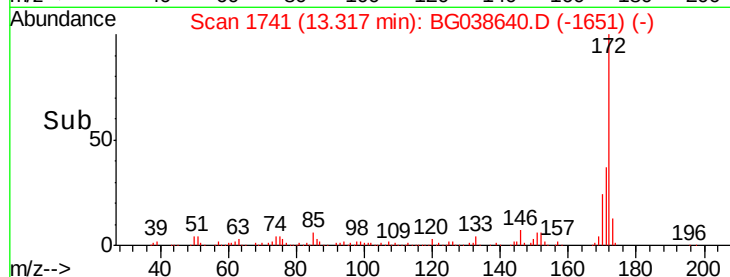
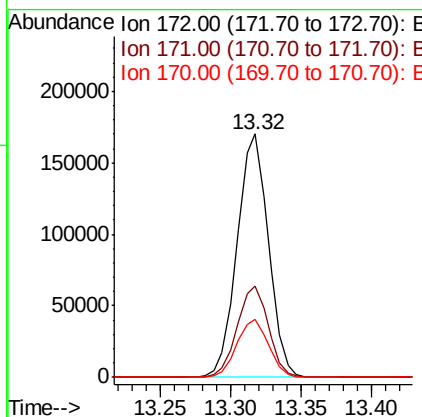
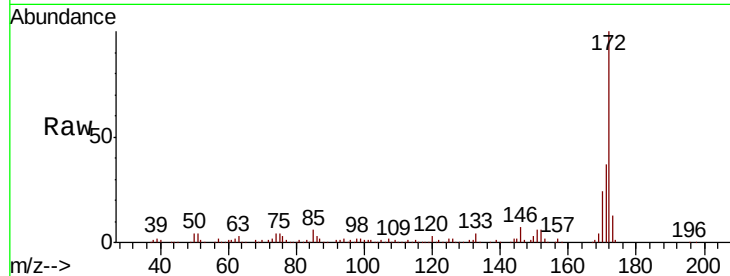
#45  
2-Fluorobiphenyl  
Concen: 68.885 ng  
RT: 13.32 min Scan# 1741  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 37.4  | 29.8  | 44.6  |
| 170     | 23.9  | 19.5  | 29.3  |

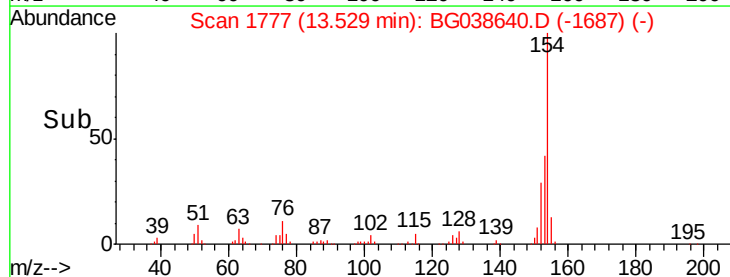
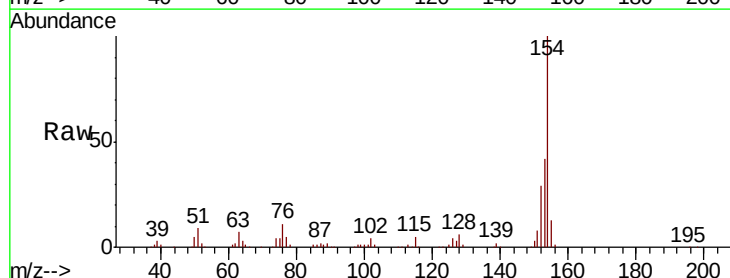
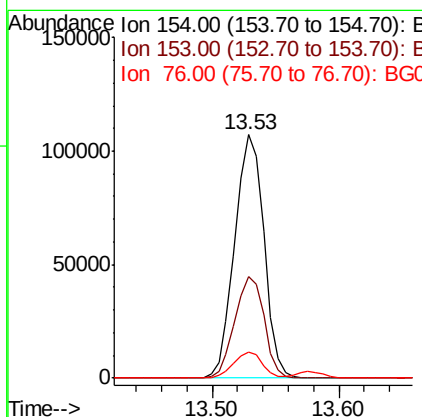
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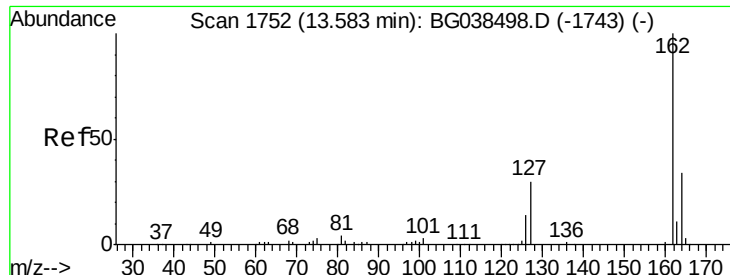
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#46  
1,1'-Biphenyl  
Concen: 38.835 ng  
RT: 13.53 min Scan# 1777  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 41.8  | 22.1  | 62.1  |
| 76      | 10.7  | 0.0   | 31.2  |





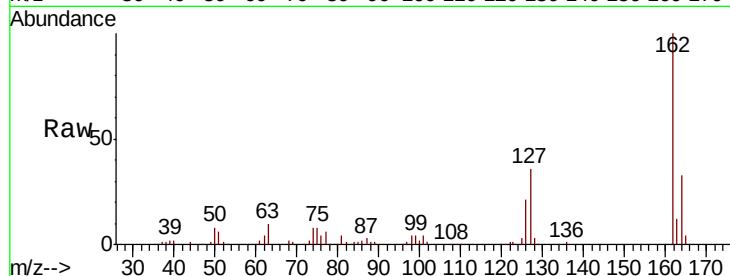
#47  
 2-Chloronaphthalene  
 Concen: 40.520 ng  
 RT: 13.58 min Scan# 1785  
 Delta R.T. -0.01 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

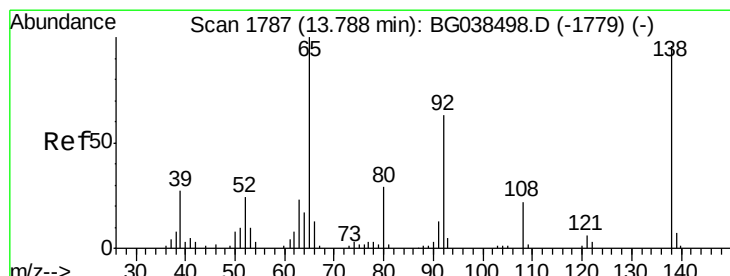
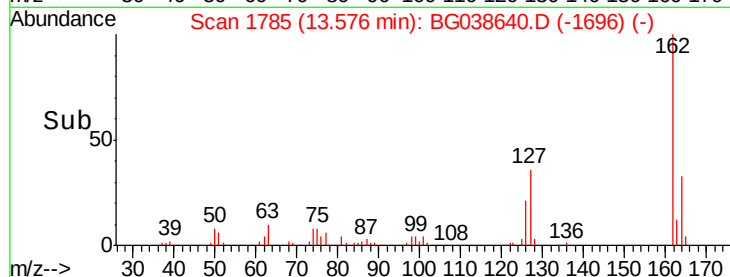
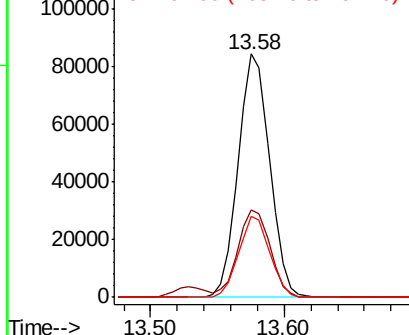
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 162     | 100   |       |       |
| 127     | 35.9  | 27.8  | 41.8  |
| 164     | 33.3  | 26.9  | 40.3  |

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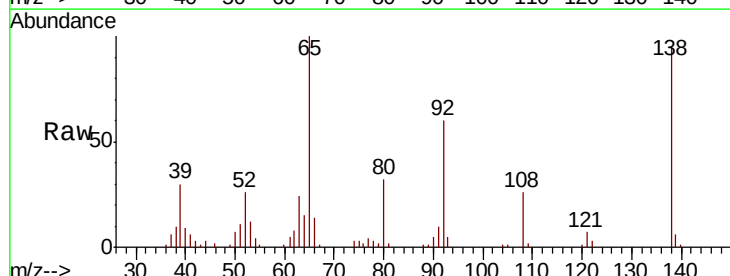


Abundance Ion 162.00 (161.70 to 162.70): E  
 Ion 127.00 (126.70 to 127.70): E  
 Ion 164.00 (163.70 to 164.70): E

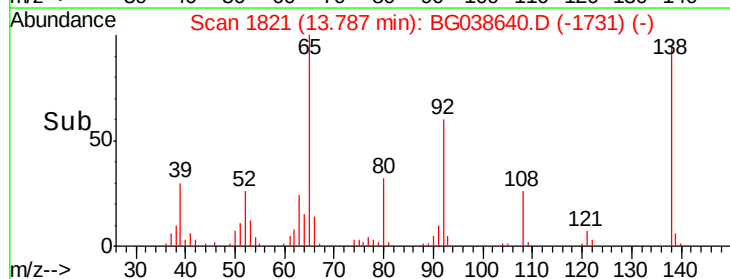
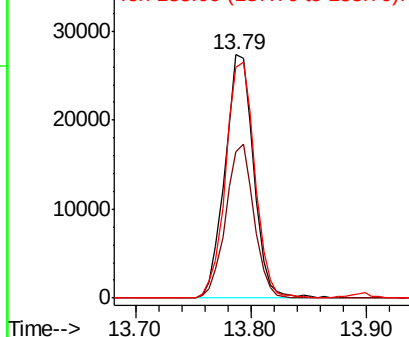


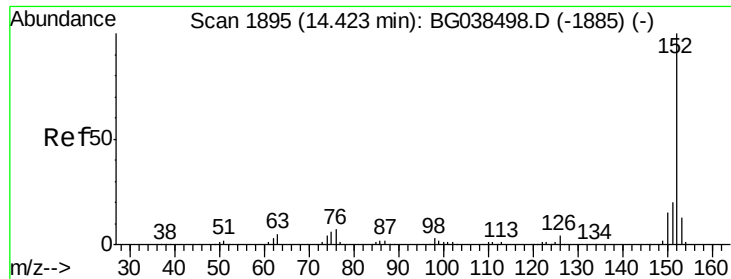
#48  
 2-Nitroaniline  
 Concen: 43.273 ng  
 RT: 13.79 min Scan# 1821  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 92      | 60.3  | 50.0  | 75.0  |
| 138     | 94.7  | 76.9  | 115.3 |



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





#49

Acenaphthylene

Concen: 43.698 ng

RT: 14.42 min Scan# 1929

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

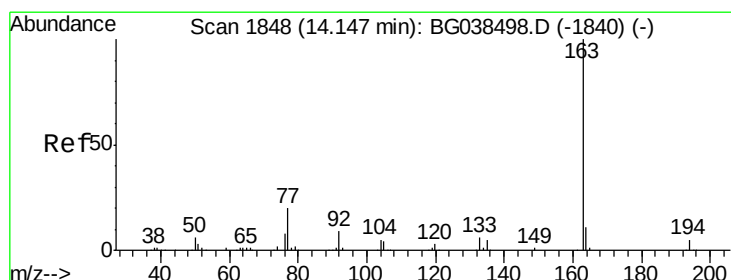
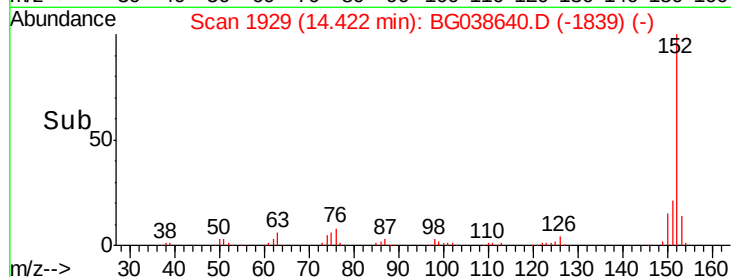
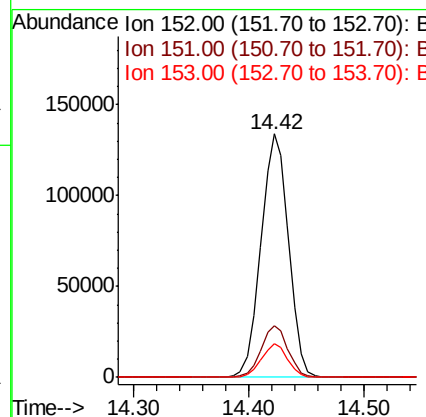
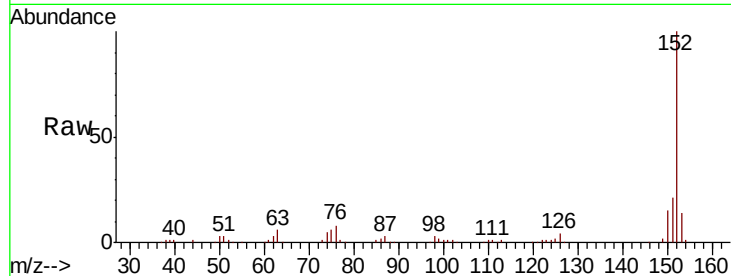
ClientSampleId :

PB115718BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 152   | Resp: | 222073 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 151       | 21.5  | 16.4  | 24.6   |
| 153       | 13.7  | 10.4  | 15.6   |

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#50

Dimethylphthalate

Concen: 41.915 ng

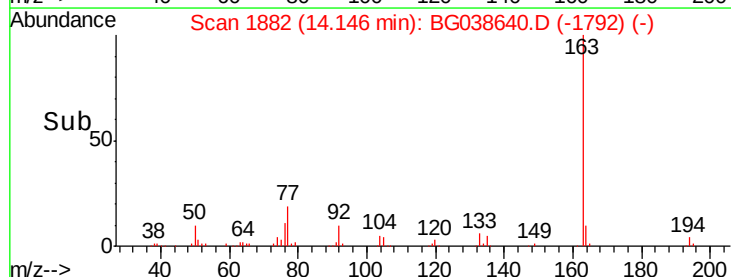
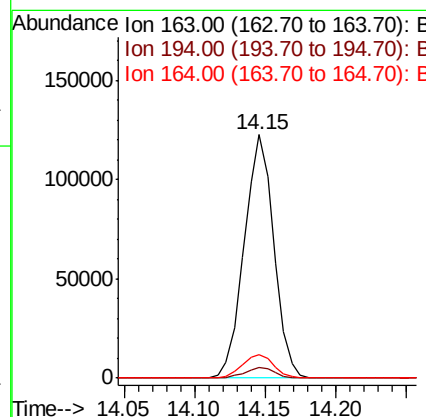
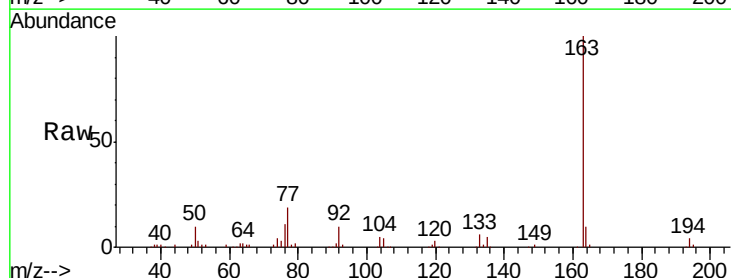
RT: 14.15 min Scan# 1882

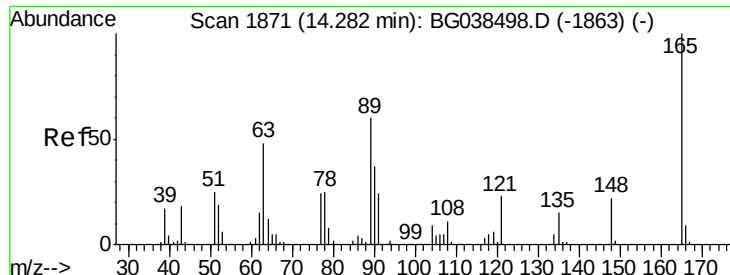
Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 179691 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 4.4   | 3.7   | 5.5    |
| 164       | 9.7   | 8.6   | 12.8   |





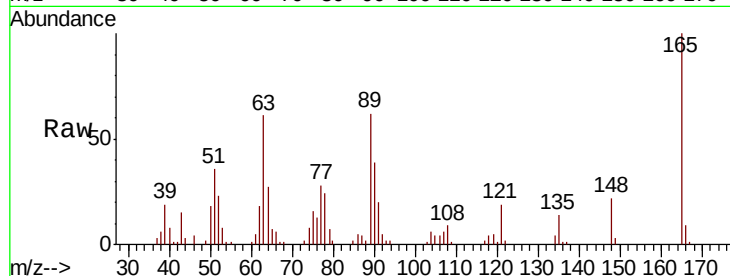
#51  
2,6-Dinitrotoluene  
Concen: 42.114 ng  
RT: 14.28 min Scan# 1905  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

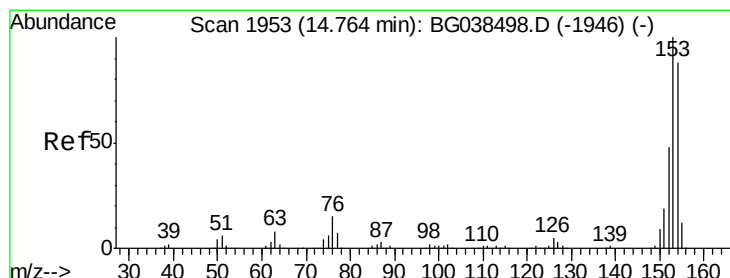
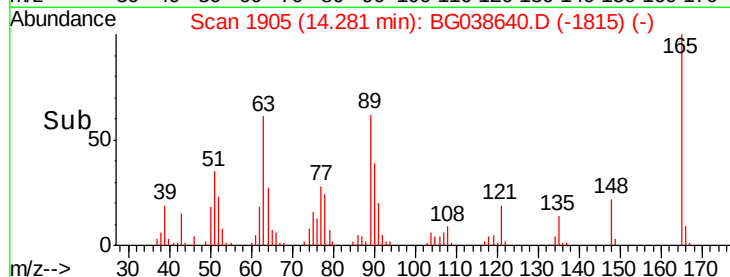
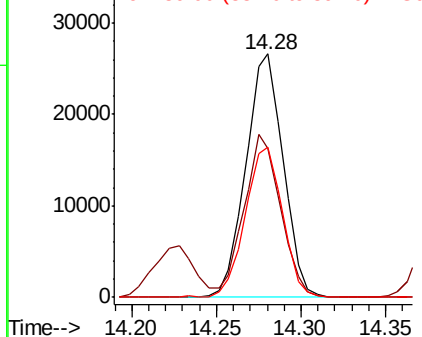
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 61.0  | 51.8  | 77.6  |
| 89      | 61.7  | 47.9  | 71.9  |

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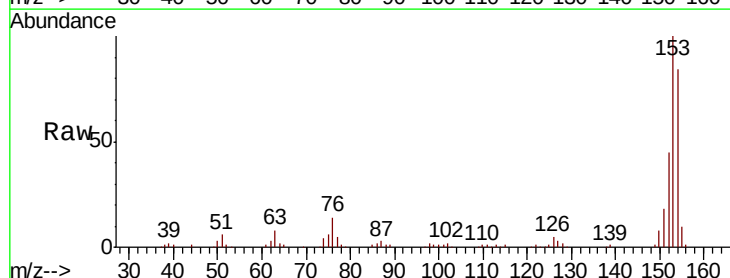


Abundance Ion 165.00 (164.70 to 165.70): E  
Ion 63.00 (62.70 to 63.70): BG  
Ion 89.00 (88.70 to 89.70): BG

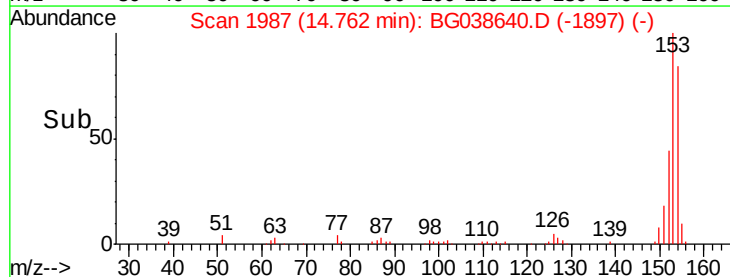
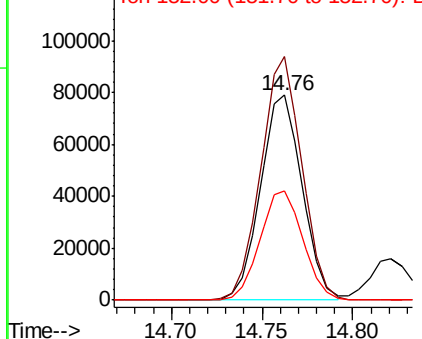


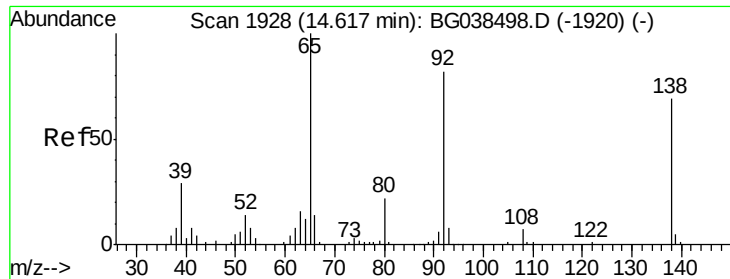
#52  
Acenaphthene  
Concen: 41.831 ng  
RT: 14.76 min Scan# 1987  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 118.9 | 90.6  | 136.0 |
| 152     | 53.3  | 43.5  | 65.3  |



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





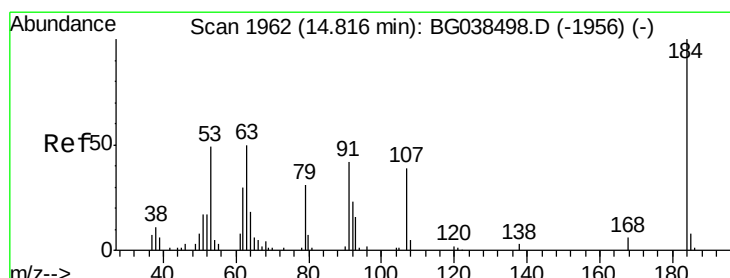
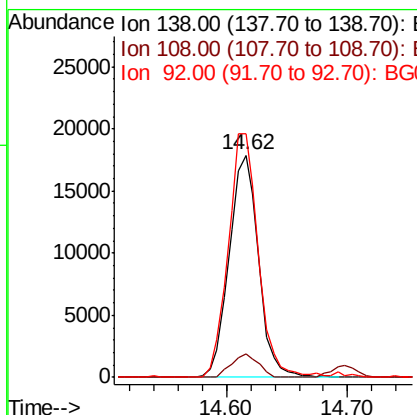
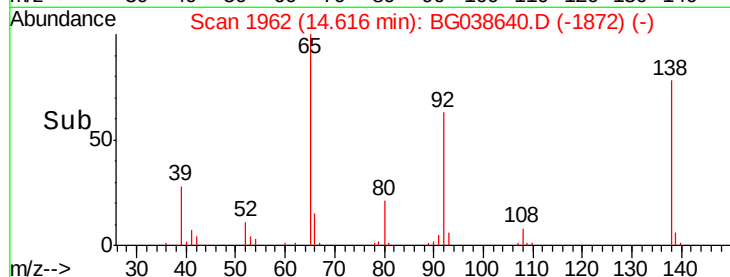
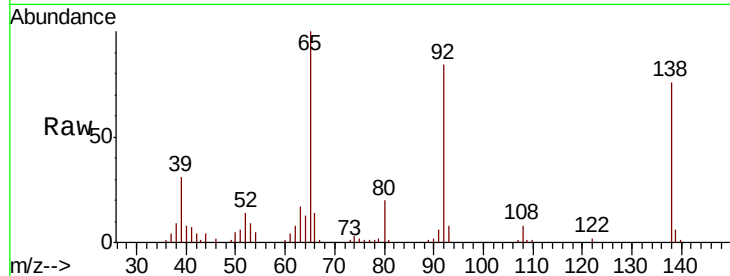
#53  
3-Nitroaniline  
Concen: 30.612 ng  
RT: 14.62 min Scan# 1962  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 108     | 10.8  | 7.9   | 11.9  |
| 92      | 109.5 | 95.3  | 142.9 |

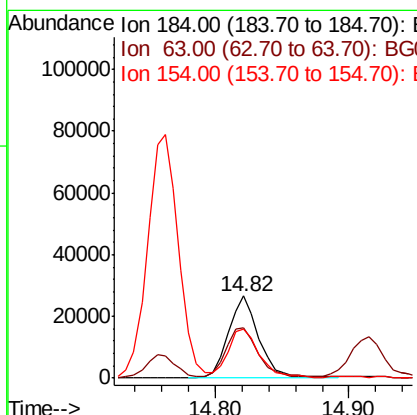
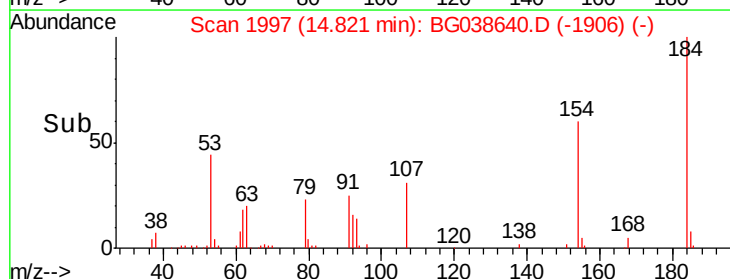
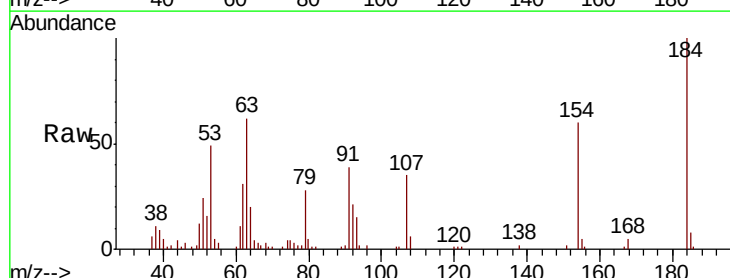
Manual Integrations  
APPROVED

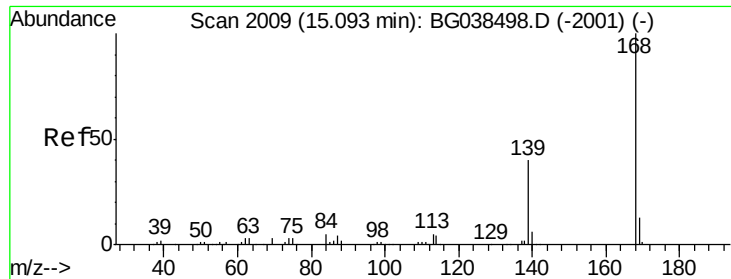
Sohil  
12/17/2018 4:14:03 PM



#54  
2,4-Dinitrophenol  
Concen: 74.794 ng  
RT: 14.82 min Scan# 1997  
Delta R.T. 0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 184     | 100   |       |       |
| 63      | 61.6  | 47.0  | 70.6  |
| 154     | 59.6  | 50.3  | 75.5  |





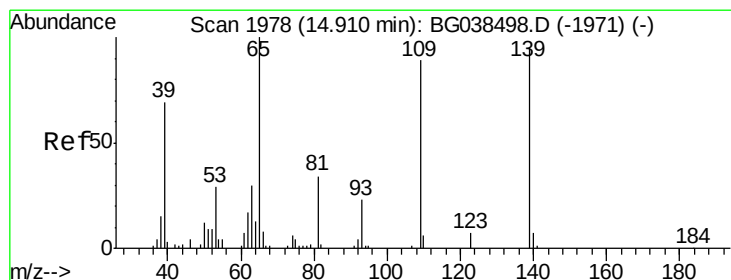
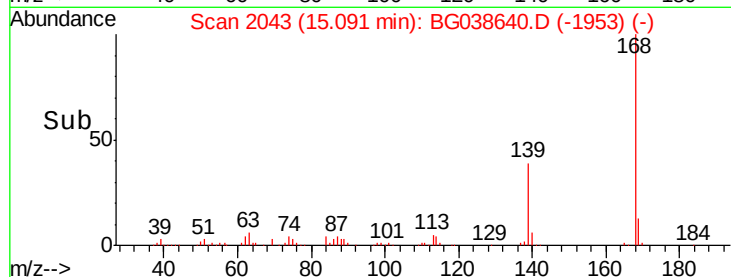
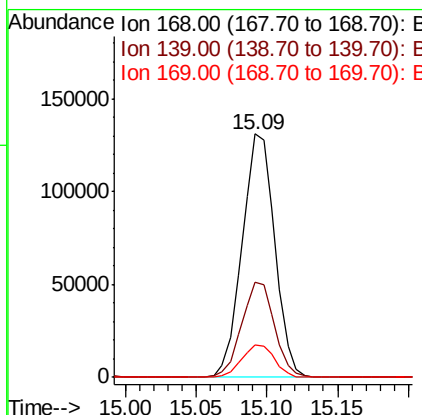
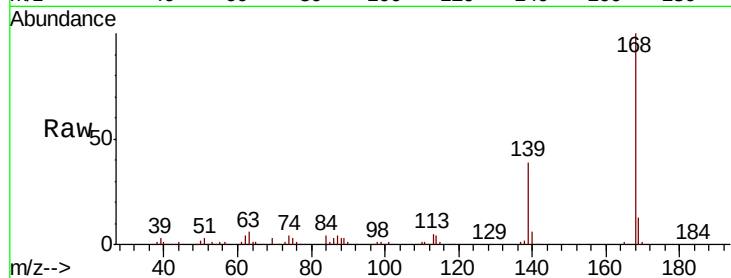
#55  
Dibenzenofuran  
Concen: 40.811 ng  
RT: 15.09 min Scan# 2043  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 139     | 38.8  | 32.2  | 48.2  |
| 169     | 13.5  | 10.6  | 16.0  |

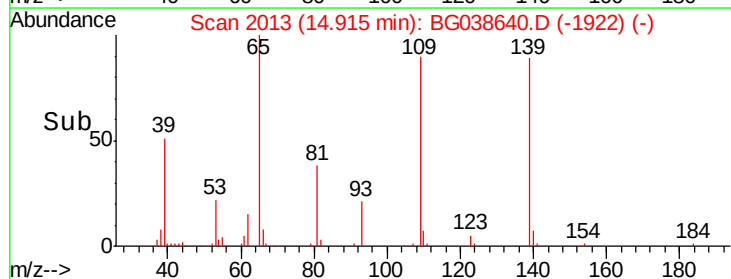
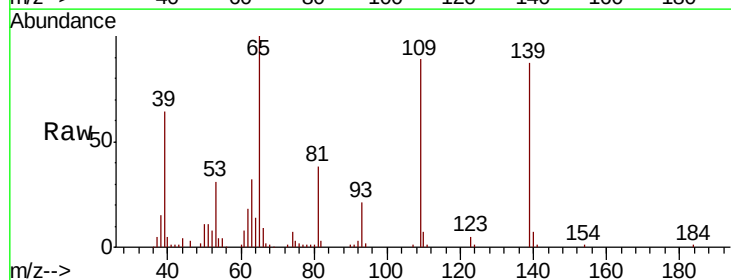
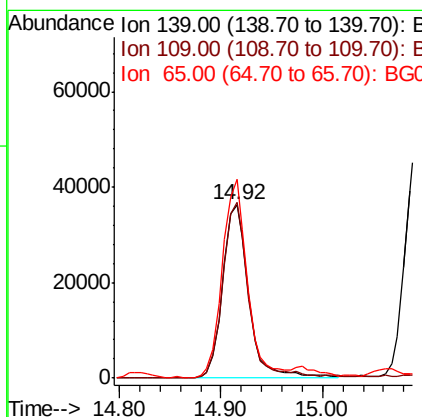
Manual Integrations  
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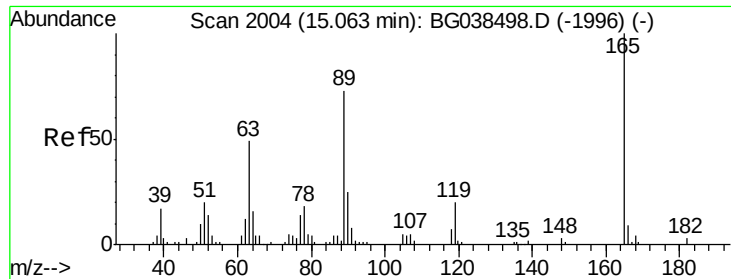


#56  
4-Nitrophenol  
Concen: 86.859 ng  
RT: 14.92 min Scan# 2013  
Delta R.T. 0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 139     | 100   |       |       |
| 109     | 101.4 | 73.6  | 113.6 |
| 65      | 114.3 | 84.8  | 124.8 |







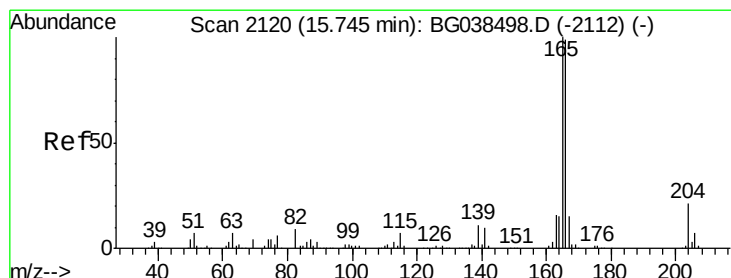
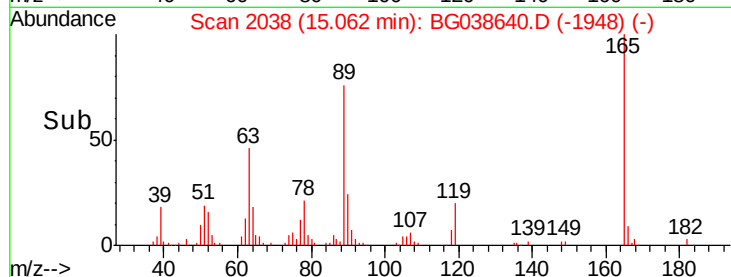
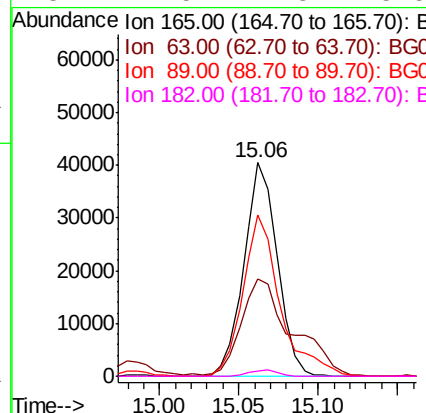
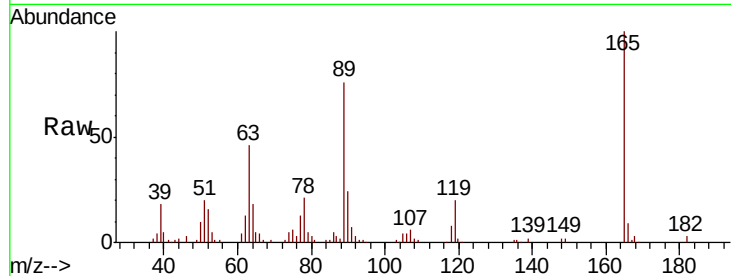
#57  
 2,4-Dinitrotoluene  
 Concen: 43.074 ng  
 RT: 15.06 min Scan# 2038  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 165     | 100   | 58940 |       |       |
| 63      | 45.8  | 39.0  | 58.4  |       |
| 89      | 75.7  | 58.0  | 87.0  |       |
| 182     | 2.5   | 2.3   | 3.5   |       |

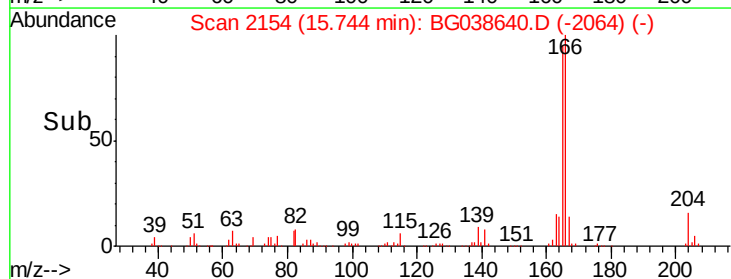
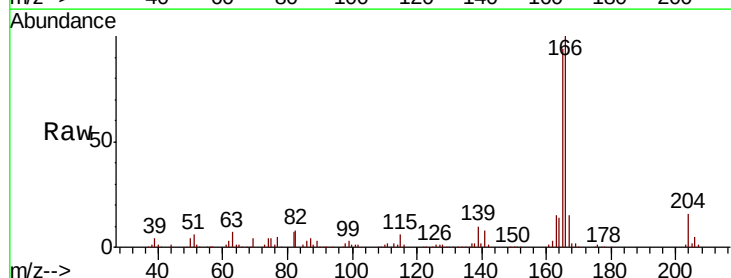
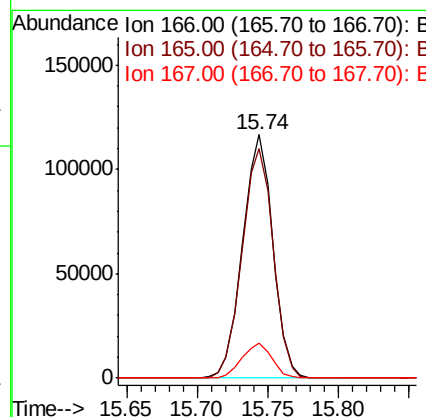
Manual Integrations  
 APPROVED

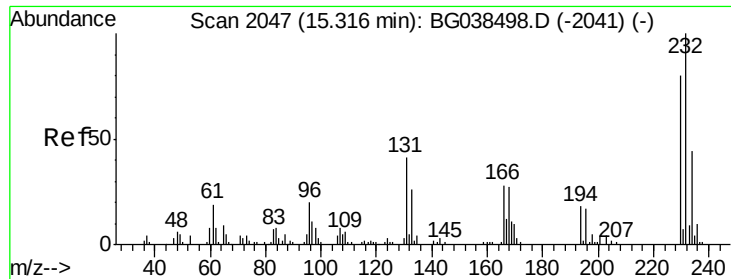
Sohil  
 12/17/2018 4:14:03 PM



#58  
 Fluorene  
 Concen: 45.245 ng  
 RT: 15.74 min Scan# 2154  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 166     | 100   | 174614 |       |       |
| 165     | 94.4  | 80.6   | 120.8 |       |
| 167     | 14.6  | 12.0   | 18.0  |       |





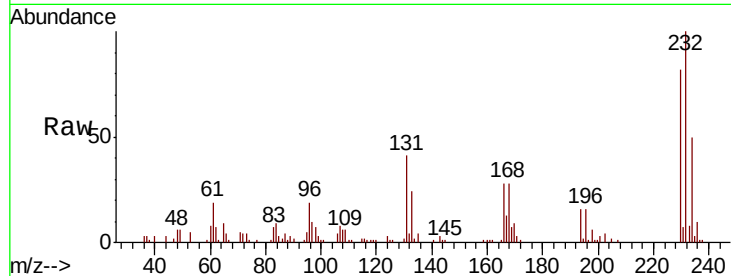
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 44.571 ng  
RT: 15.32 min Scan# 2082  
Delta R.T. 0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 232     | 100   |       |       |
| 131     | 43.4  | 33.0  | 49.4  |
| 130     | 2.5   | 2.0   | 3.0   |
| 166     | 28.9  | 23.1  | 34.7  |

Manual Integrations  
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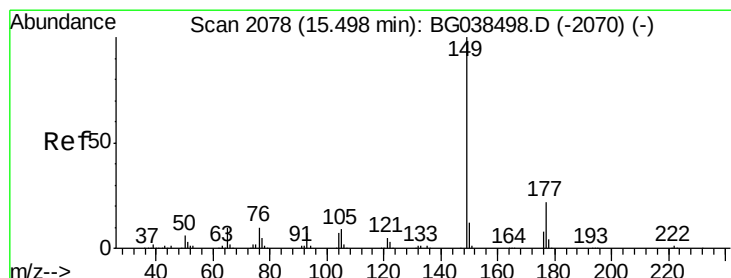
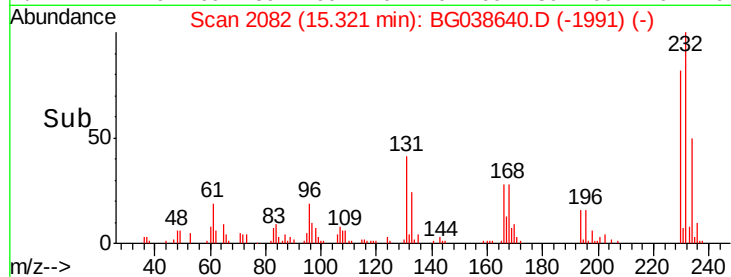
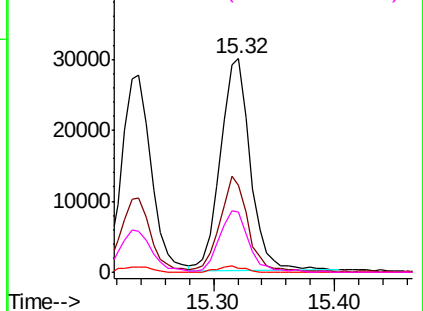
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

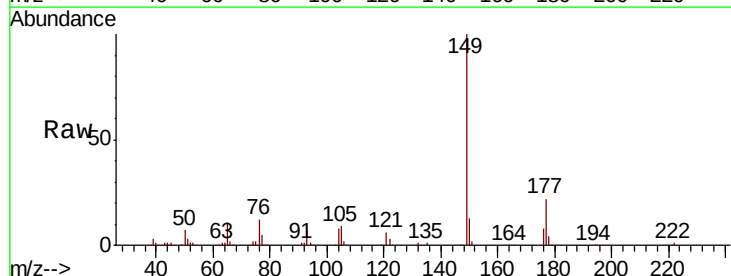
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60  
Diethylphthalate  
Concen: 39.651 ng  
RT: 15.50 min Scan# 2112  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 149     | 100   |       |       |
| 177     | 22.3  | 17.7  | 26.5  |
| 150     | 12.8  | 9.9   | 14.9  |

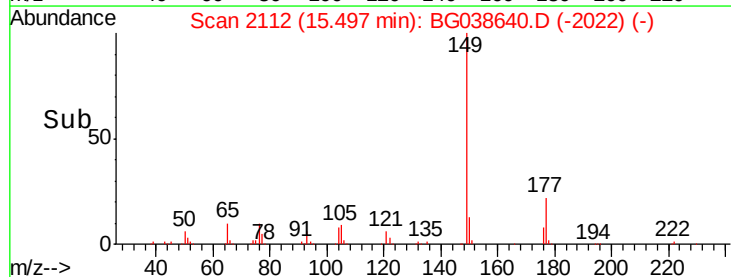
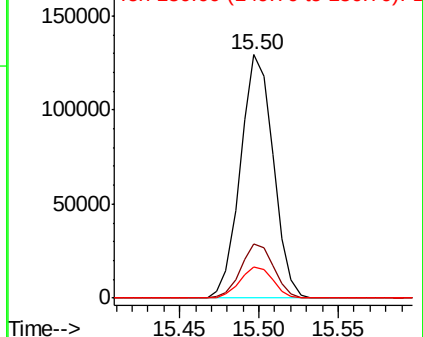


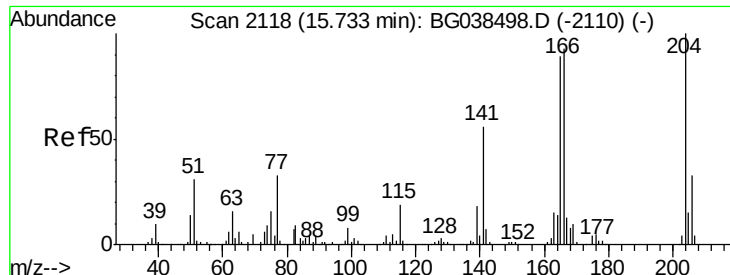
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





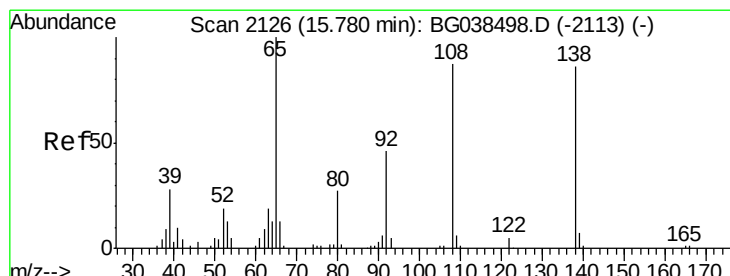
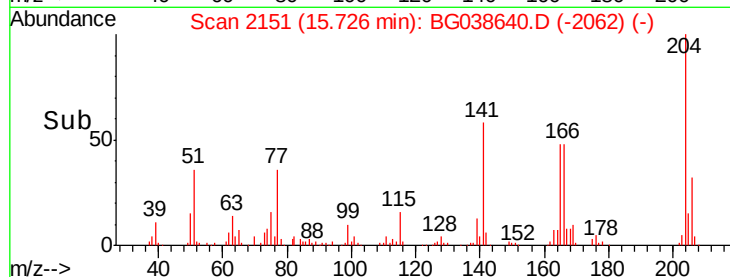
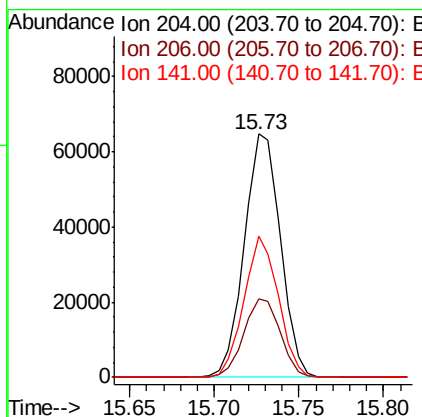
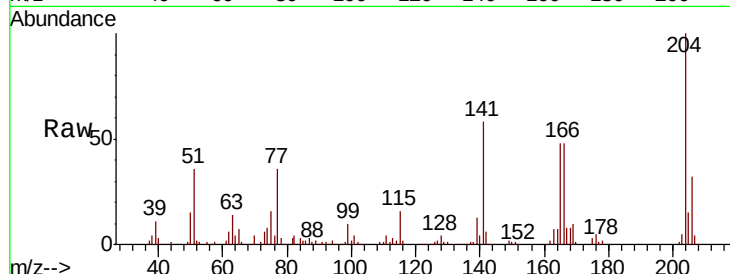
#61  
4-Chlorophenyl-phenylether  
Concen: 40.070 ng  
RT: 15.73 min Scan# 2151  
Delta R.T. -0.01 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 204     | 100   |       |       |
| 206     | 32.0  | 26.0  | 39.0  |
| 141     | 57.9  | 44.4  | 66.6  |

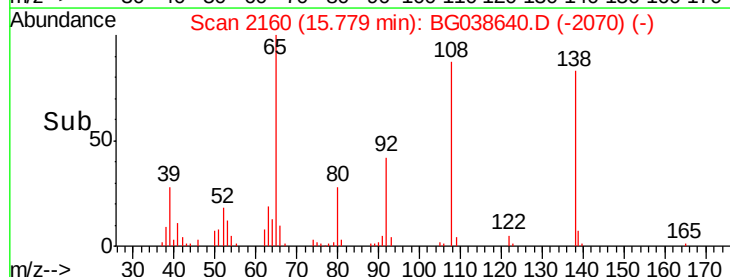
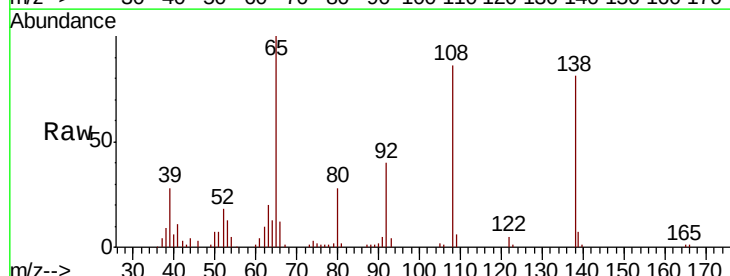
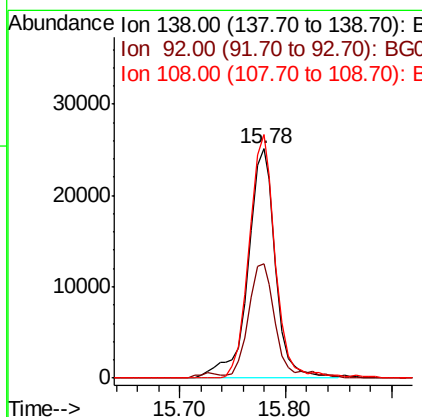
Manual Integrations  
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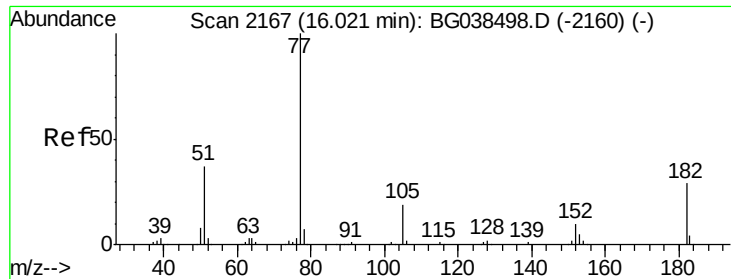
Sohil  
12/17/2018 4:14:03 PM



#62  
4-Nitroaniline  
Concen: 44.738 ng  
RT: 15.78 min Scan# 2160  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 138     | 100   |       |       |
| 92      | 50.0  | 33.3  | 73.3  |
| 108     | 106.2 | 81.4  | 121.4 |





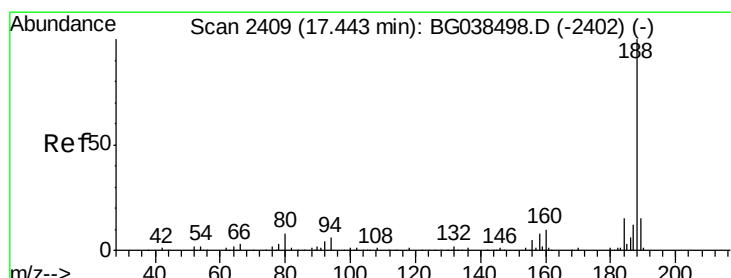
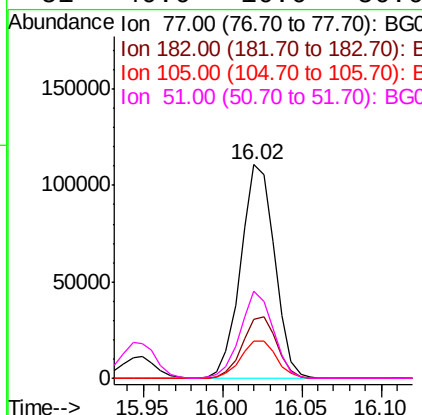
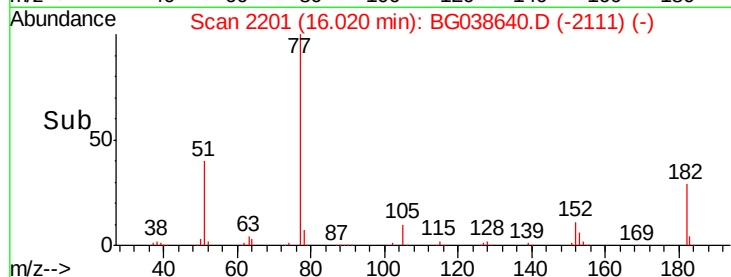
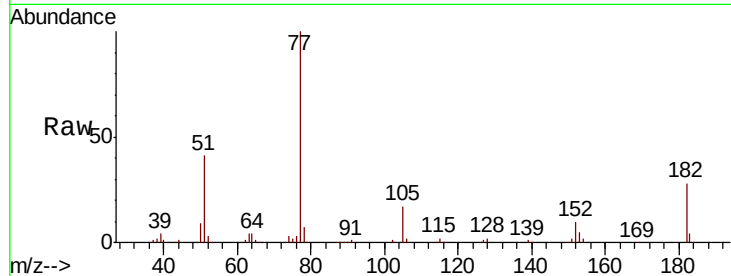
#63  
Azobenzene  
Concen: 41.811 ng  
RT: 16.02 min Scan# 2201  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 77      | 100   |       |       |
| 182     | 27.6  | 8.7   | 48.7  |
| 105     | 17.4  | 0.0   | 38.7  |
| 51      | 40.6  | 16.6  | 56.6  |

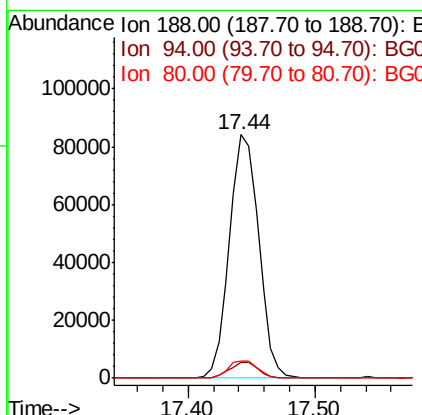
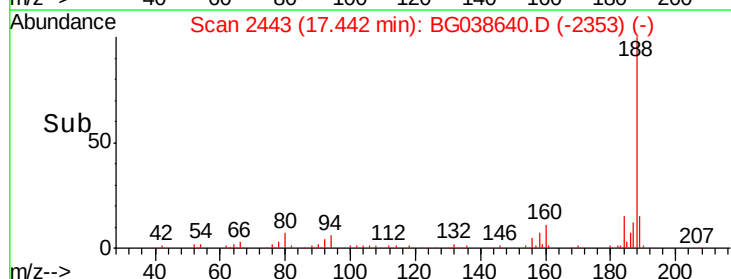
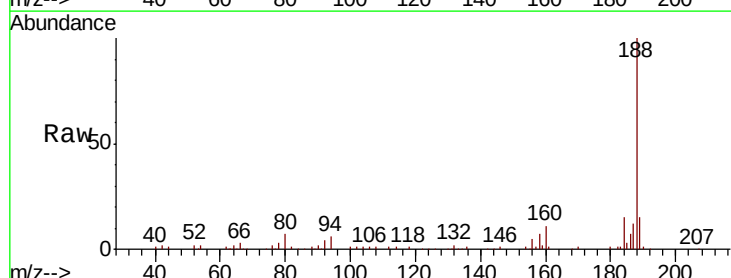
Manual Integrations  
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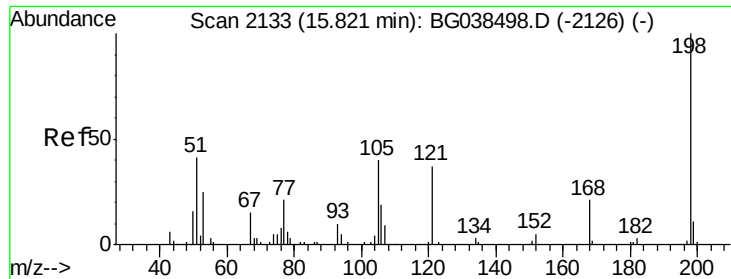
Sohil  
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#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.44 min Scan# 2443  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 6.4   | 5.1   | 7.7   |
| 80      | 7.1   | 6.1   | 9.1   |





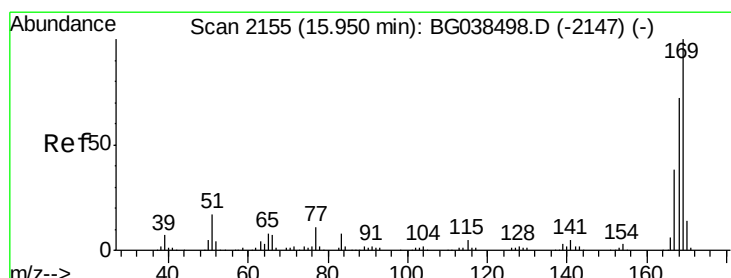
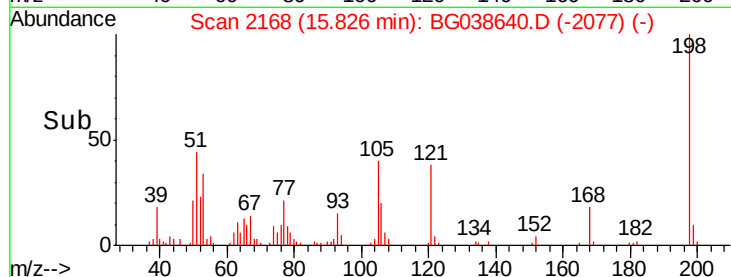
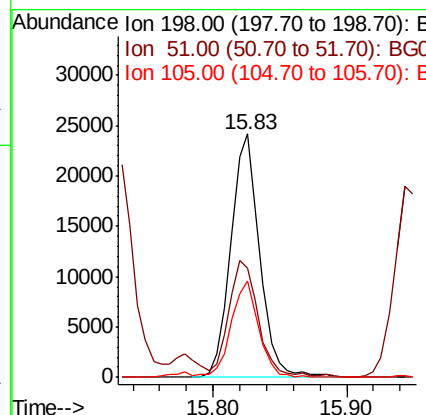
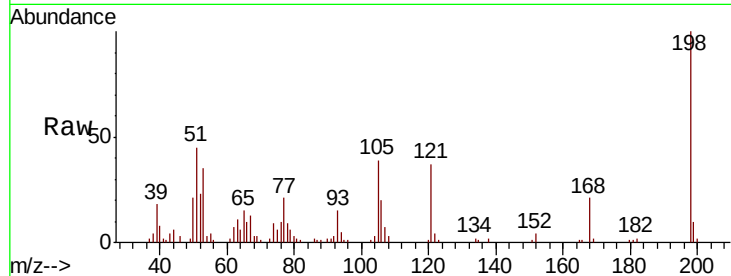
#65  
4,6-Dinitro-2-methylphenol  
Concen: 38.117 ng  
RT: 15.83 min Scan# 2168  
Delta R.T. 0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 198     | 100   |       |       |
| 51      | 44.8  | 28.6  | 68.6  |
| 105     | 39.3  | 20.4  | 60.4  |

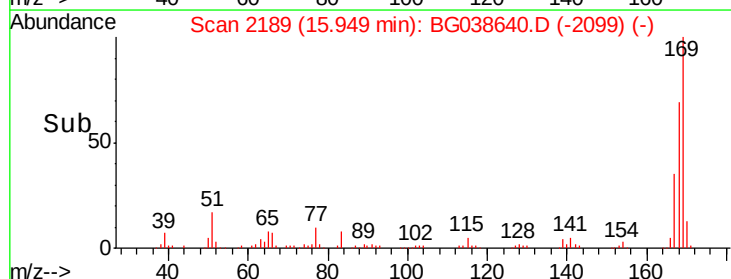
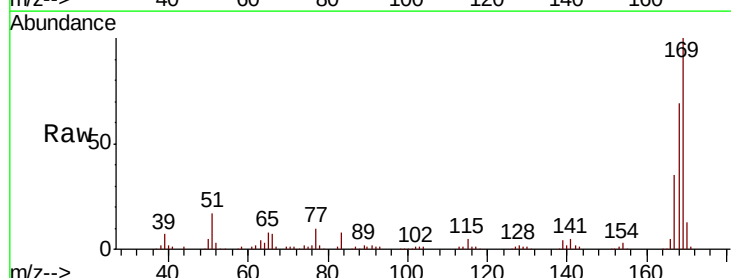
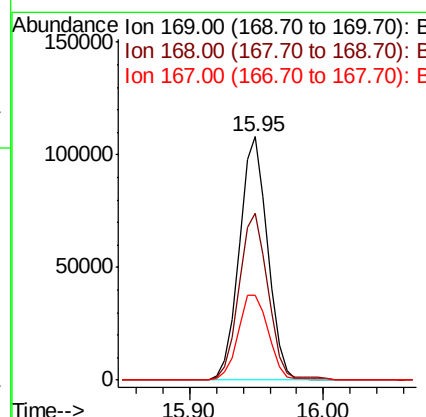
Manual Integrations  
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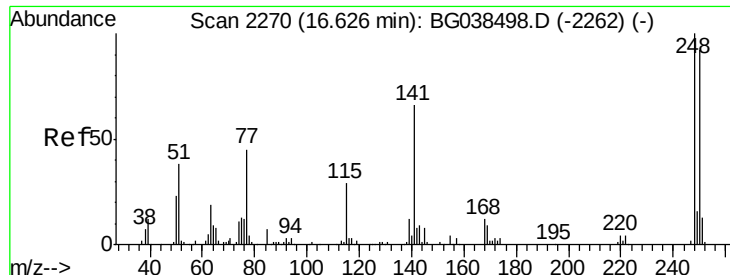
Sohil  
12/17/2018 4:14:03 PM



#66  
n-Nitrosodiphenylamine  
Concen: 40.032 ng  
RT: 15.95 min Scan# 2189  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 169     | 100   |       |       |
| 168     | 68.7  | 57.5  | 86.3  |
| 167     | 34.8  | 30.2  | 45.2  |





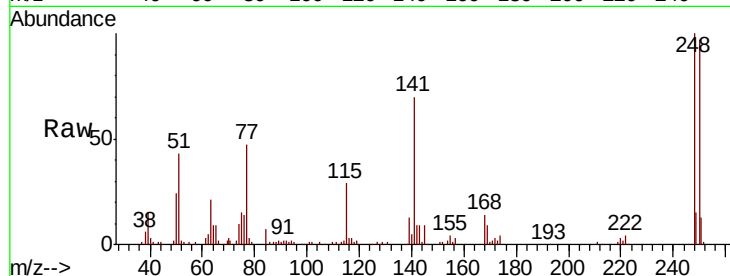
#67  
 4-Bromophenyl-phenylether  
 Concen: 39.320 ng  
 RT: 16.62 min Scan# 2304  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 248     | 100   |       |       |
| 250     | 96.6  | 73.4  | 110.2 |
| 141     | 70.1  | 52.9  | 79.3  |

Manual Integrations  
 APPROVED

Sohil  
 12/17/2018 4:14:03 PM

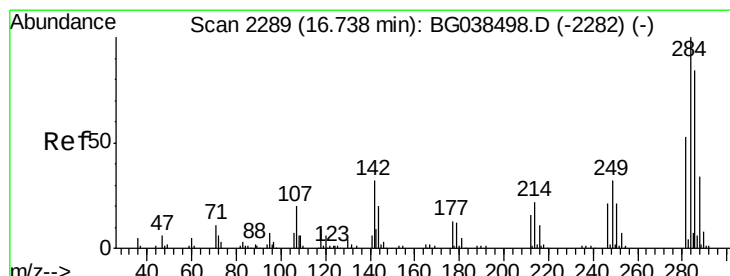
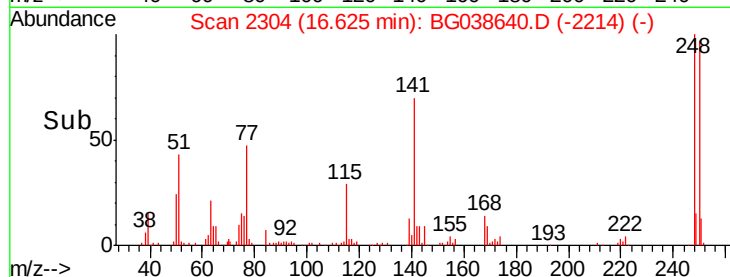
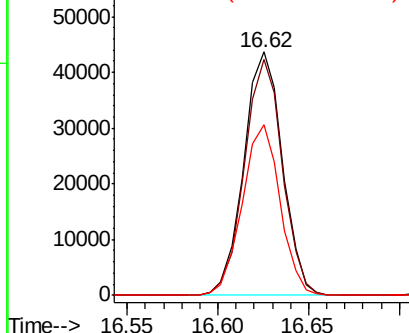


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68  
 Hexachlorobenzene  
 Concen: 39.822 ng  
 RT: 16.74 min Scan# 2323  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

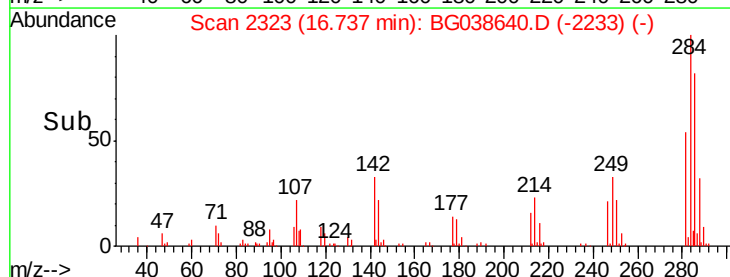
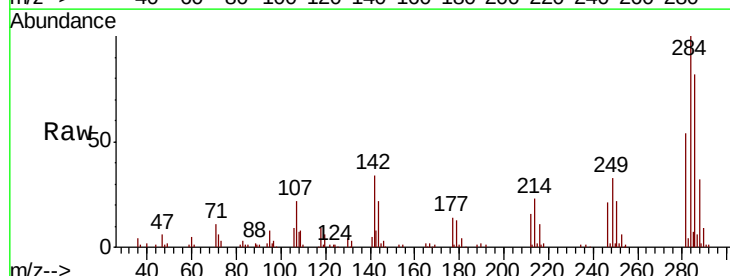
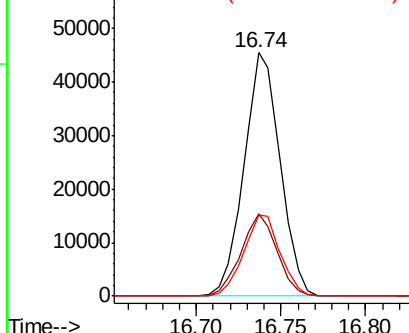
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 284     | 100   |       |       |
| 142     | 34.0  | 25.8  | 38.6  |
| 249     | 35.5  | 27.0  | 40.4  |

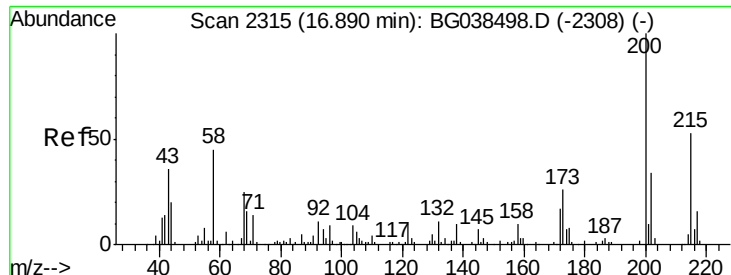
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





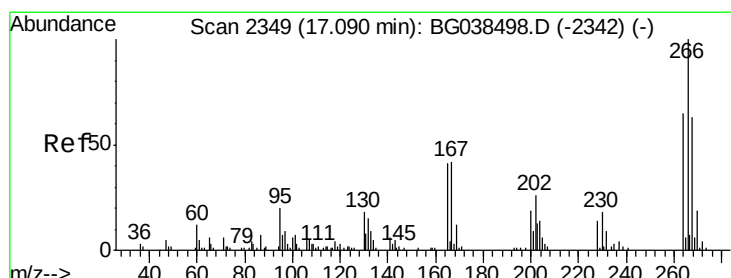
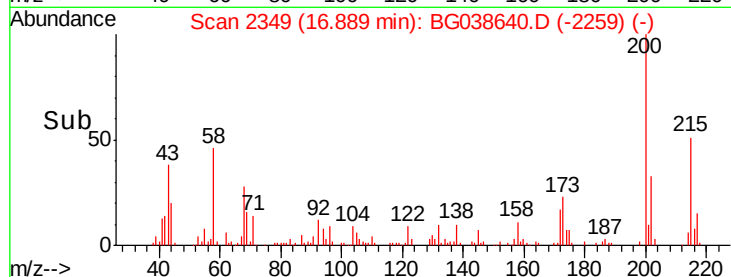
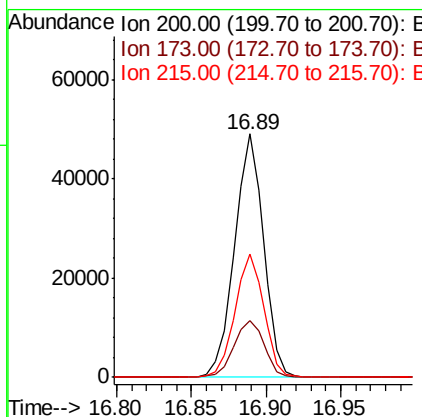
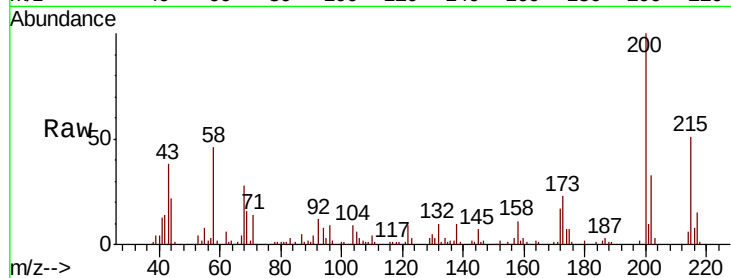
#69  
 Atrazine  
 Concen: 45.403 ng  
 RT: 16.89 min Scan# 2349  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 200     | 100   |       |       |
| 173     | 23.5  | 5.9   | 45.9  |
| 215     | 50.6  | 33.1  | 73.1  |

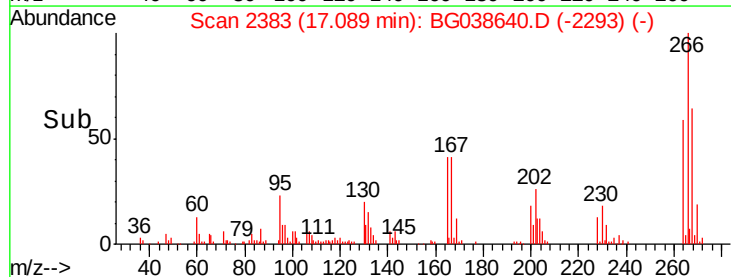
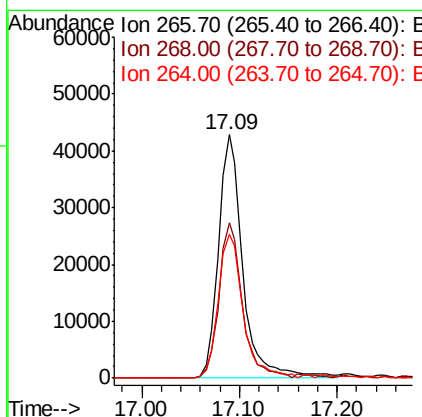
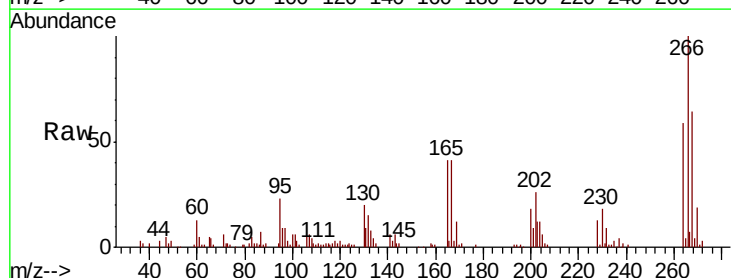
Manual Integrations  
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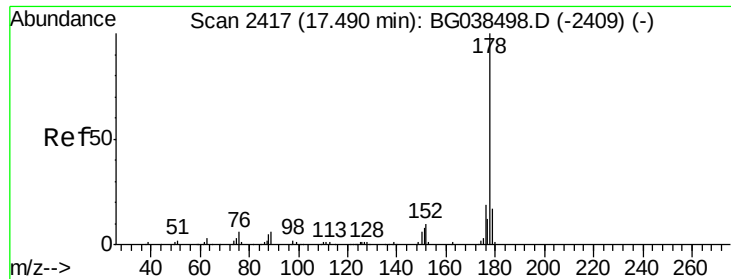
Sohil  
 12/17/2018 4:14:03 PM



#70  
 Pentachlorophenol  
 Concen: 73.821 ng  
 RT: 17.09 min Scan# 2383  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 266     | 100   |       |       |
| 268     | 68.0  | 55.0  | 82.6  |
| 264     | 63.2  | 56.7  | 85.1  |





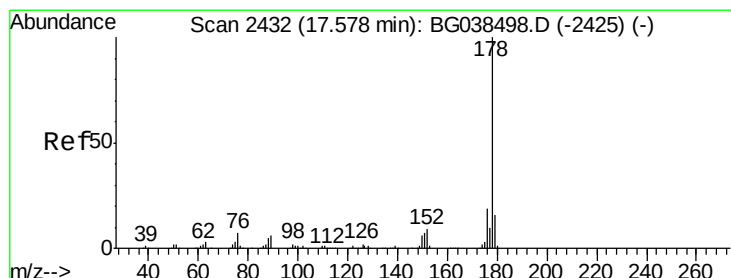
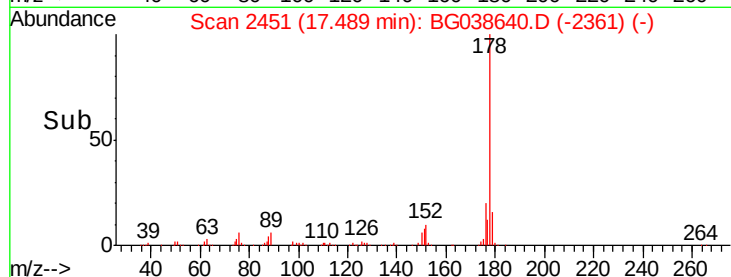
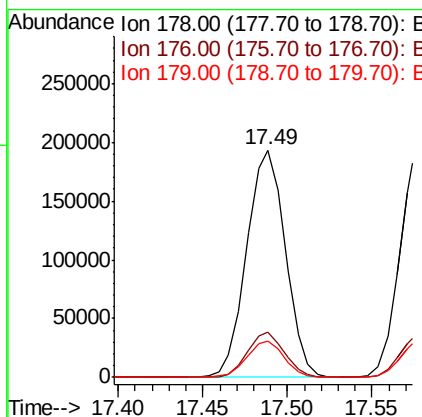
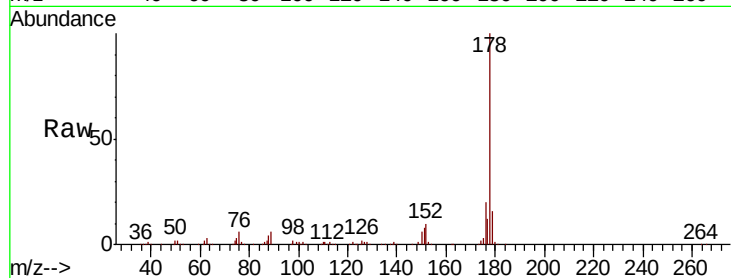
#71  
Phenanthrene  
Concen: 44.306 ng  
RT: 17.49 min Scan# 2451  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 20.1  | 15.1  | 22.7  |
| 179     | 16.2  | 13.2  | 19.8  |

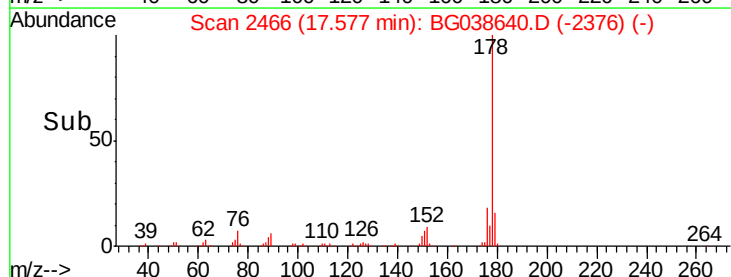
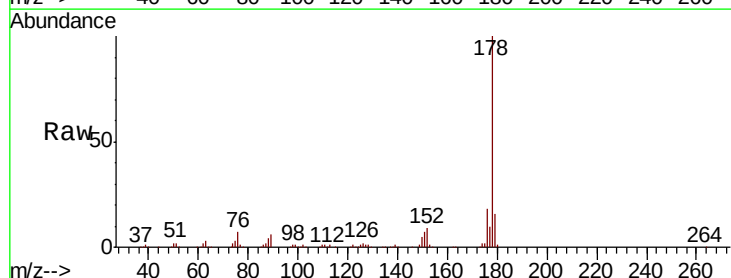
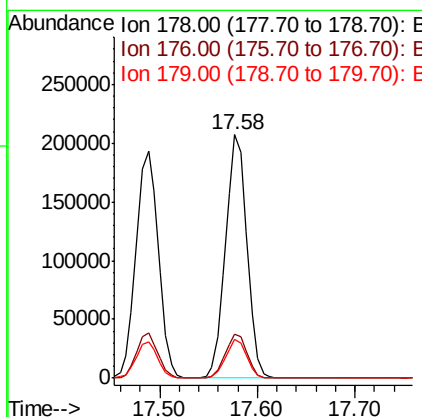
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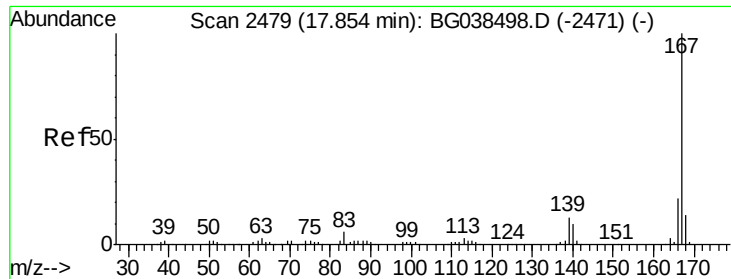


#72  
Anthracene  
Concen: 45.850 ng  
RT: 17.58 min Scan# 2466  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 178     | 100   |       |       |
| 176     | 18.1  | 15.1  | 22.7  |
| 179     | 16.2  | 12.9  | 19.3  |







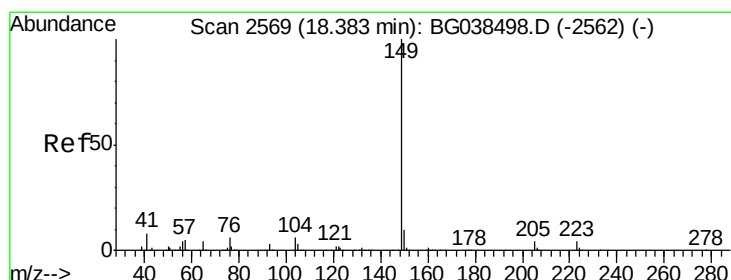
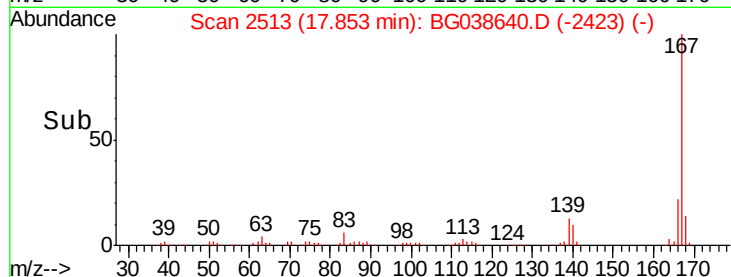
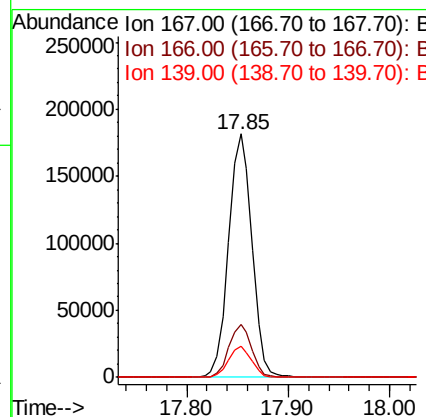
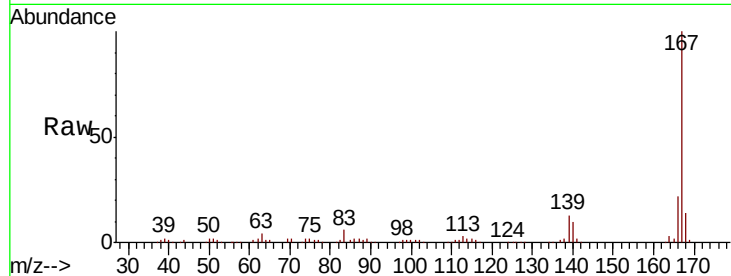
#73  
 Carbazole  
 Concen: 42.731 ng  
 RT: 17.85 min Scan# 2513  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB115718BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 167   | Resp: | 290637 |
| Ion Ratio | Lower | Upper |        |
| 167       | 100   |       |        |
| 166       | 21.9  | 17.9  | 26.9   |
| 139       | 13.0  | 10.2  | 15.2   |

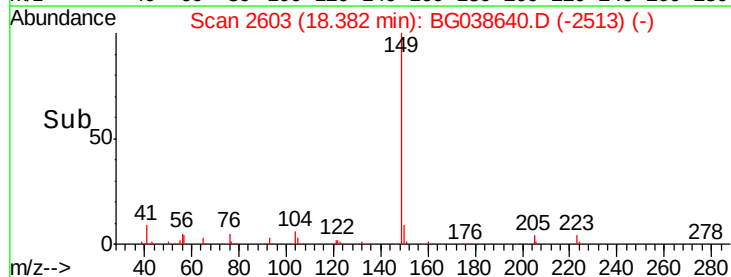
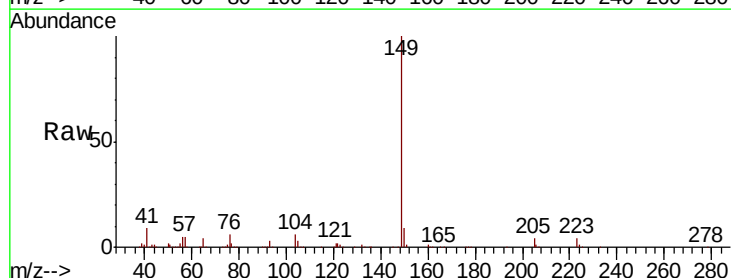
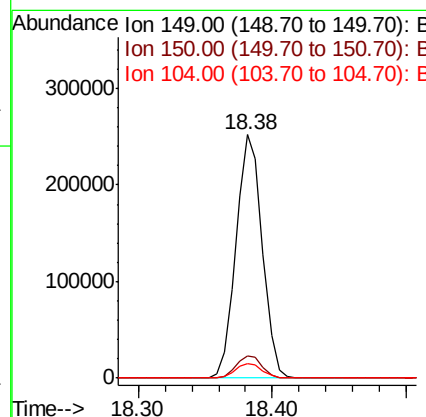
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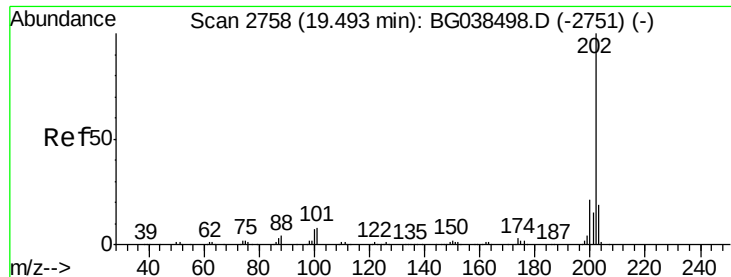
Sohil  
 12/17/2018 4:14:03 PM



#74  
 Di-n-butylphthalate  
 Concen: 44.152 ng  
 RT: 18.38 min Scan# 2603  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 344581 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 150       | 9.1   | 7.6   | 11.4   |
| 104       | 5.9   | 5.0   | 7.4    |





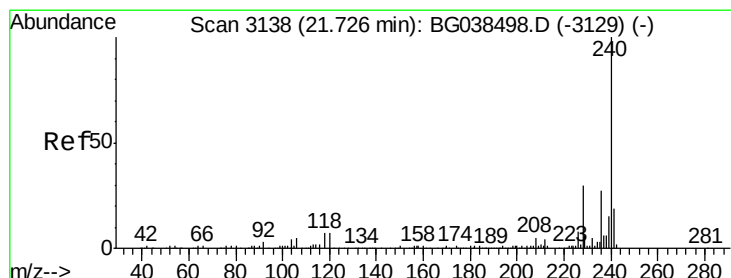
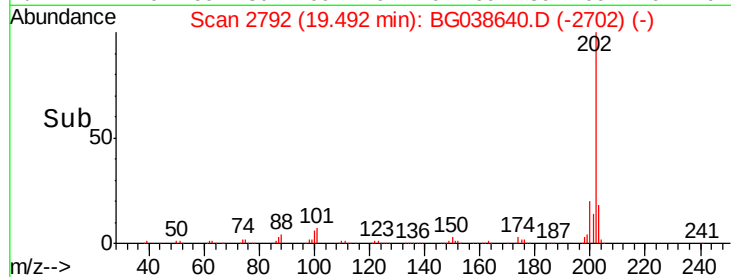
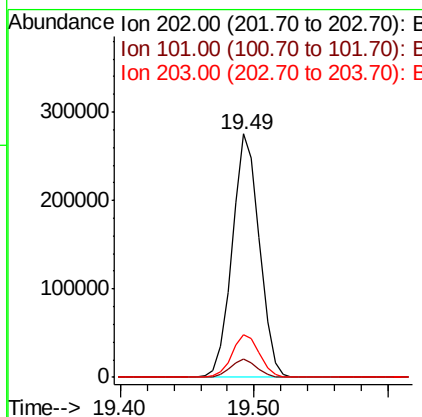
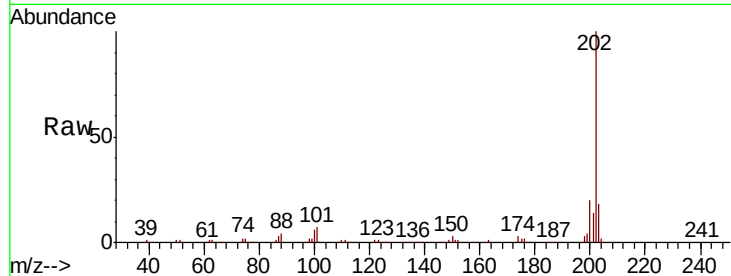
#75  
Fluoranthene  
Concen: 45.200 ng  
RT: 19.49 min Scan# 2792  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 202     | 100   |            |       |
| 101     | 7.5   | 0.0        | 28.1  |
| 203     | 17.5  | 0.0        | 39.0  |

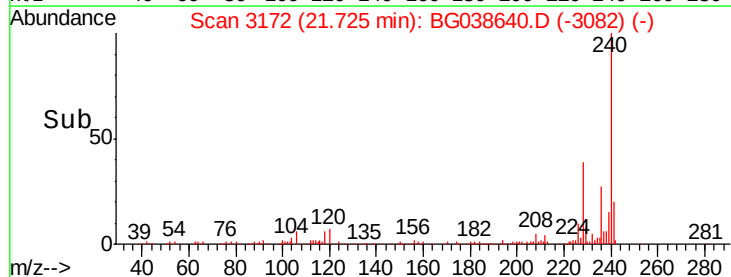
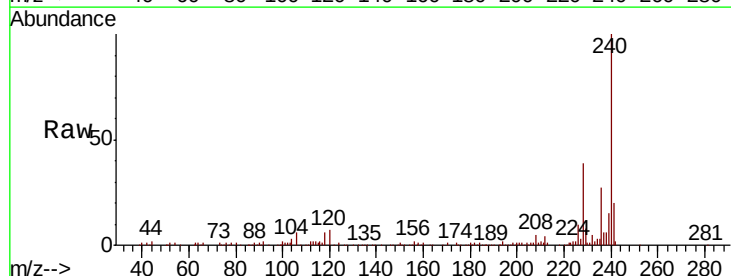
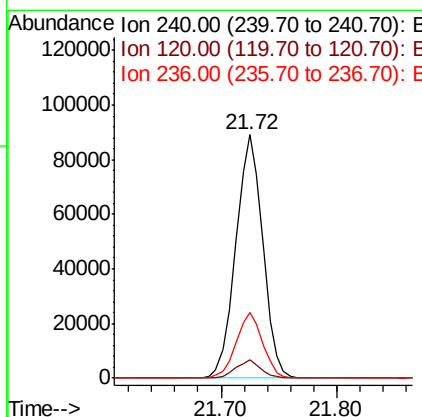
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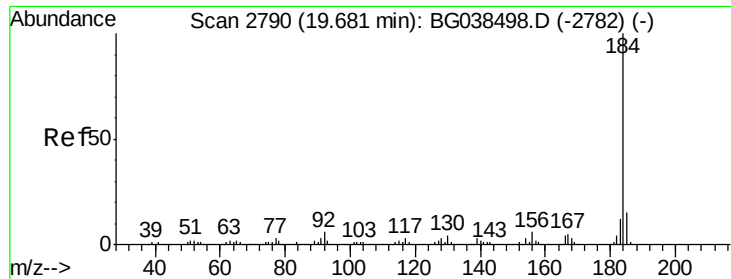
Sohil  
12/17/2018 4:14:03 PM



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.72 min Scan# 3172  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Resp Lower | Upper |
|---------|-------|------------|-------|
| 240     | 100   |            |       |
| 120     | 7.3   | 5.3        | 7.9   |
| 236     | 26.8  | 21.4       | 32.2  |





#77

Benzidine

Concen: 43.146 ng

RT: 19.68 min Scan# 2824

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

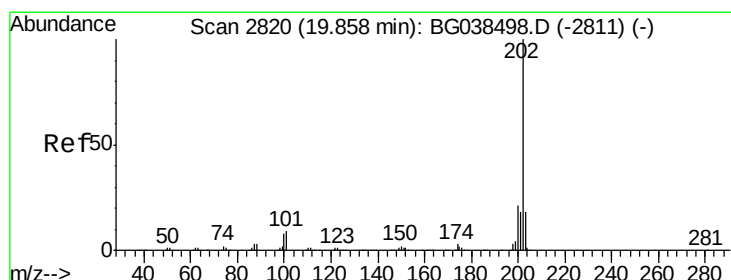
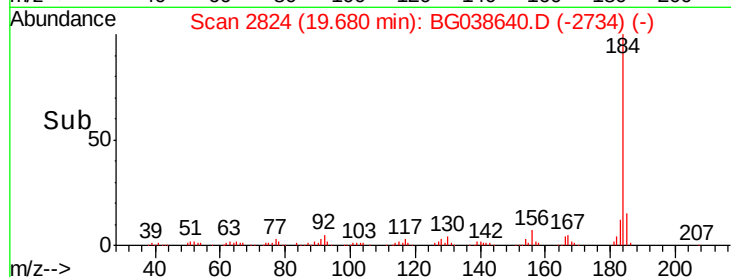
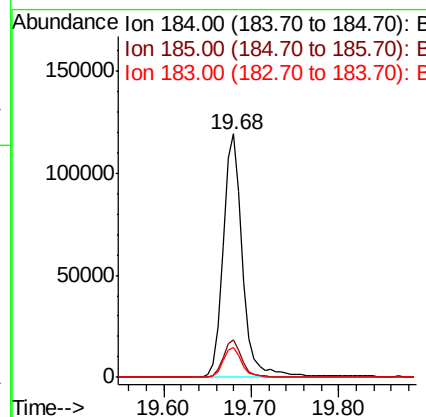
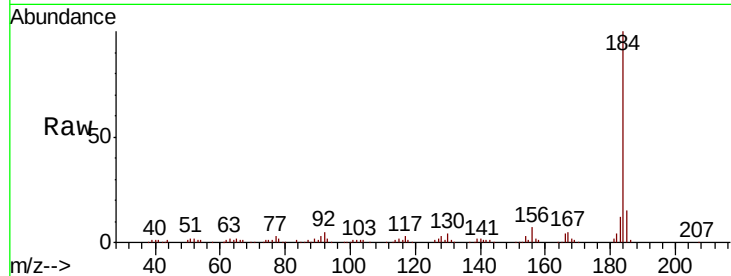
ClientSampleId :

PB115718BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 184   | Resp: | 183358 |
| Ion Ratio | Lower | Upper |        |
| 184       | 100   |       |        |
| 185       | 15.2  | 12.2  | 18.2   |
| 183       | 12.3  | 9.6   | 14.4   |

Manual Integrations  
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#78

Pyrene

Concen: 41.154 ng

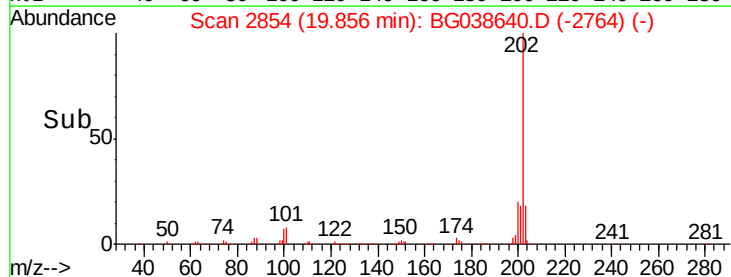
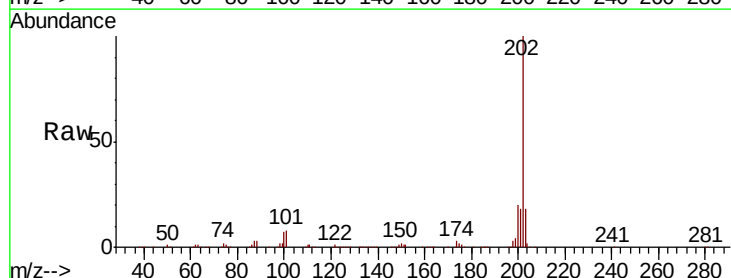
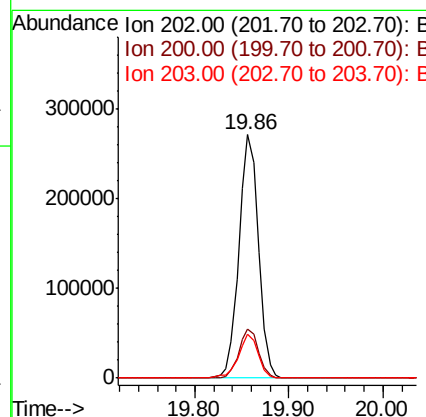
RT: 19.86 min Scan# 2854

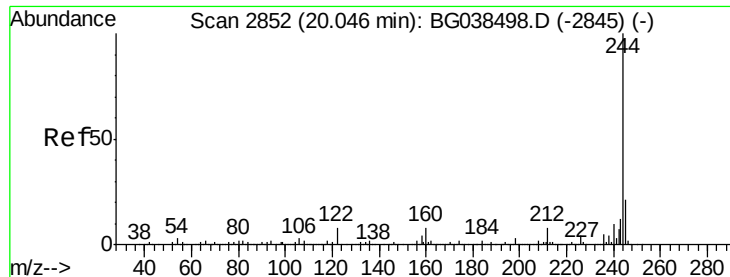
Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 390671 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 200       | 20.4  | 16.6  | 25.0   |
| 203       | 17.8  | 14.6  | 21.8   |





#79

Terphenyl-d14

Concen: 80.852 ng

RT: 20.04 min Scan# 2886

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

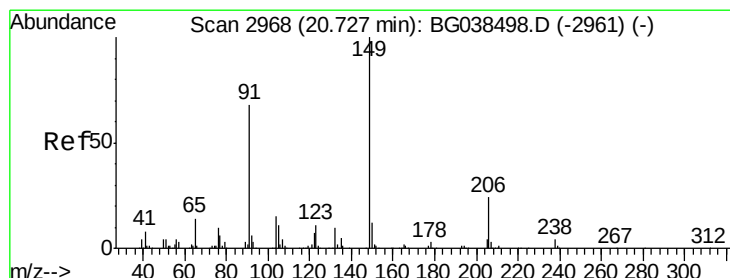
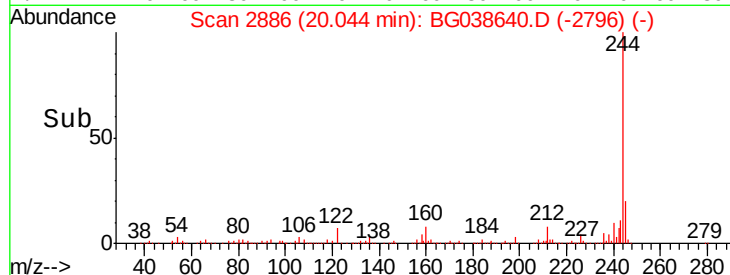
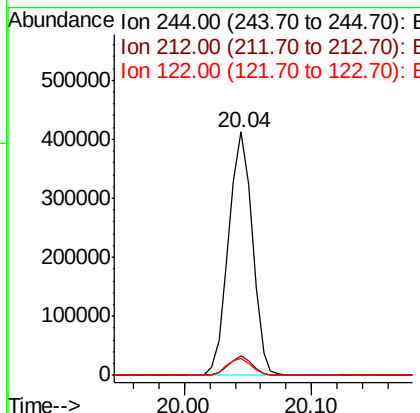
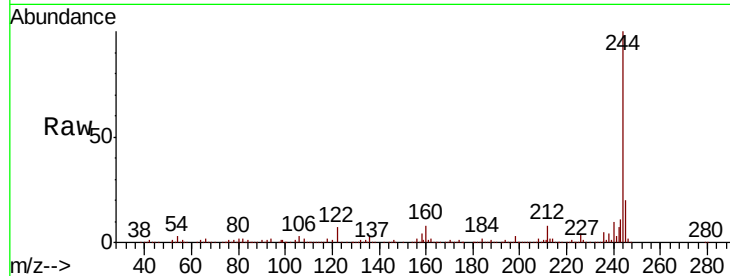
ClientSampled :

PB115718BS

|           |     |       |        |
|-----------|-----|-------|--------|
| Tot Ion:  | 244 | Resp: | 533840 |
| Ion Ratio |     | Lower | Upper  |
| 244       | 100 |       |        |
| 212       | 7.9 | 6.2   | 9.2    |
| 122       | 7.2 | 6.3   | 9.5    |

Manual Integrations  
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#80

Butylbenzylphthalate

Concen: 40.561 ng

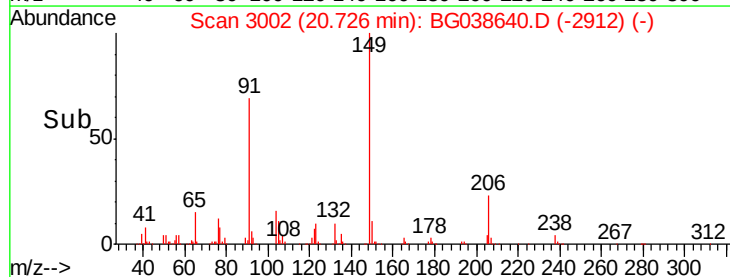
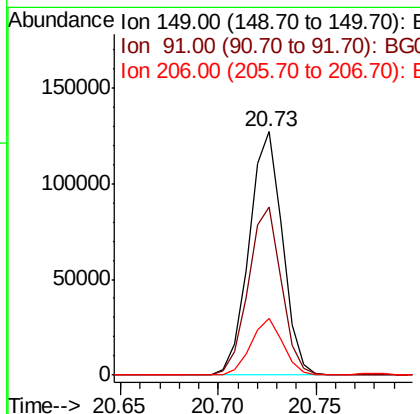
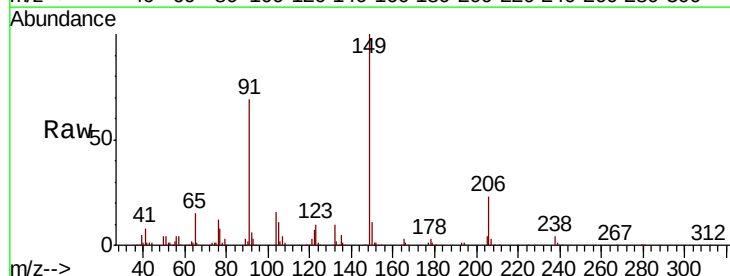
RT: 20.73 min Scan# 3002

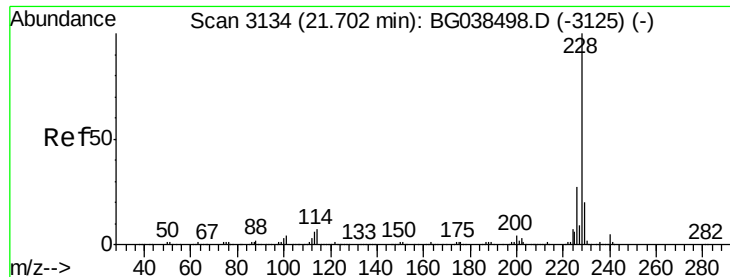
Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 149  | Resp: | 150433 |
| Ion Ratio |      | Lower | Upper  |
| 149       | 100  |       |        |
| 91        | 68.9 | 54.5  | 81.7   |
| 206       | 23.2 | 19.0  | 28.6   |





#81

Benzo(a)anthracene

Concen: 44.323 ng

RT: 21.70 min Scan# 3168

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

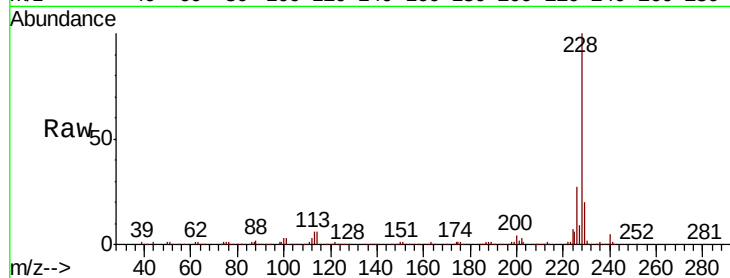
ClientSampleId :

PB115718BS

|           |      |       |        |
|-----------|------|-------|--------|
| Tot Ion:  | 228  | Resp: | 388097 |
| Ion Ratio |      | Lower | Upper  |
| 228       | 100  |       |        |
| 226       | 26.8 | 21.8  | 32.8   |
| 229       | 19.9 | 15.8  | 23.6   |

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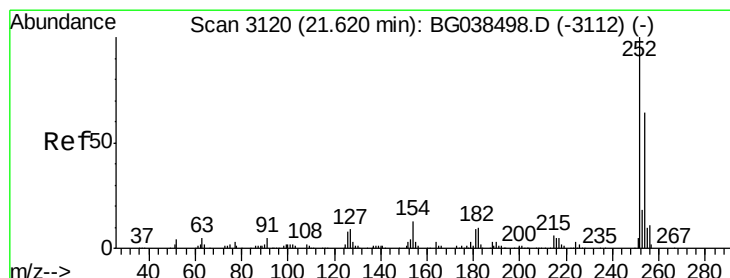
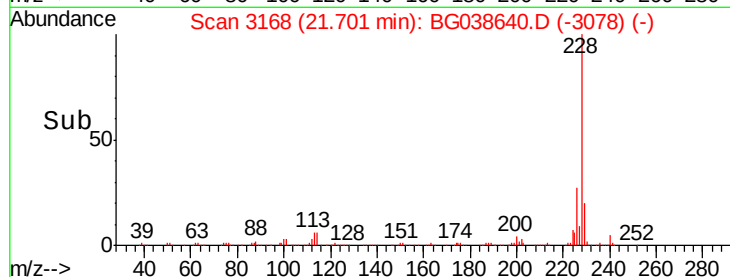
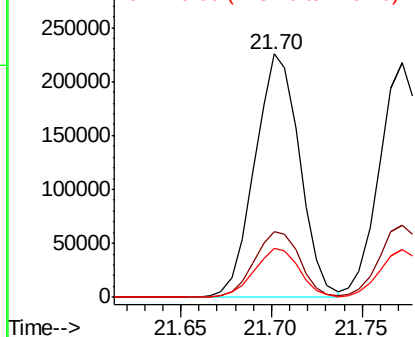


Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 29.013 ng

RT: 21.62 min Scan# 3154

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

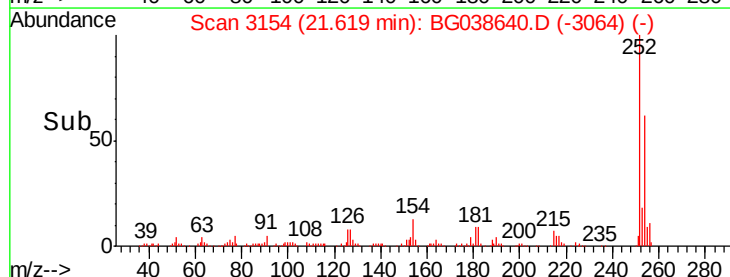
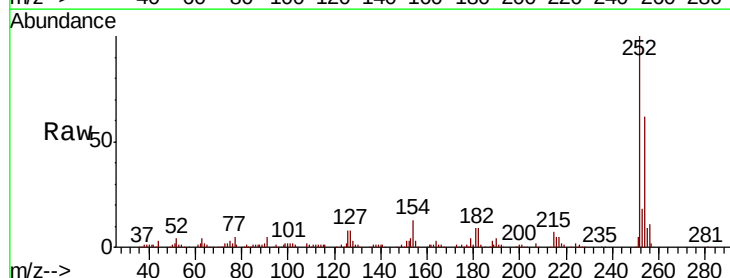
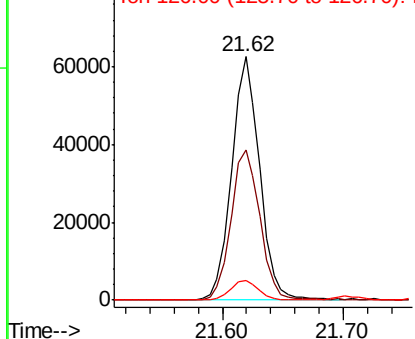
|           |      |       |        |
|-----------|------|-------|--------|
| Tgt Ion:  | 252  | Resp: | 100755 |
| Ion Ratio |      | Lower | Upper  |
| 252       | 100  |       |        |
| 254       | 61.8 | 50.9  | 76.3   |
| 126       | 8.0  | 6.3   | 9.5    |

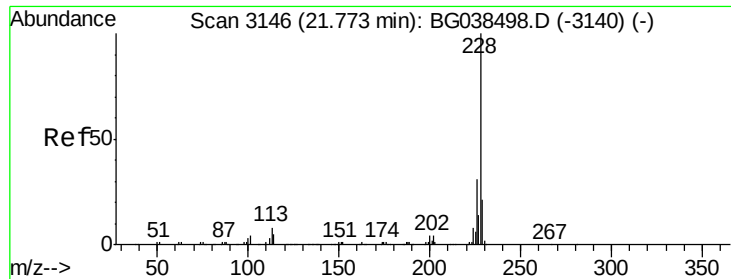
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





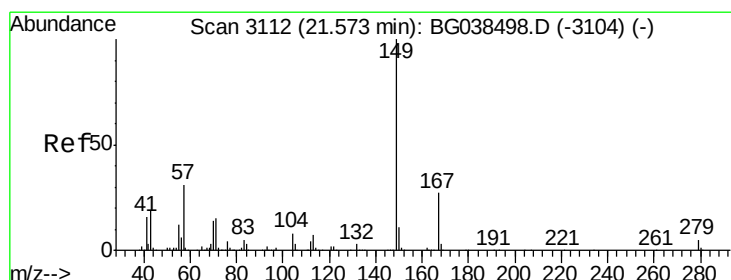
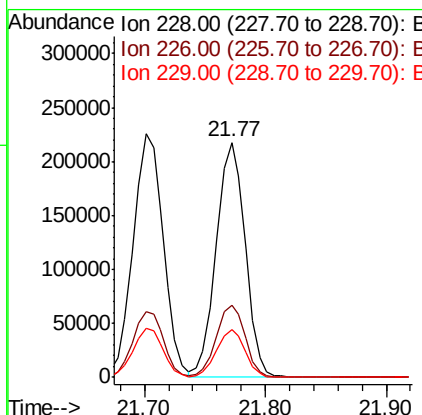
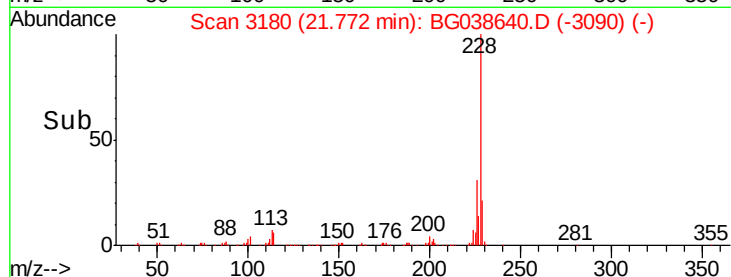
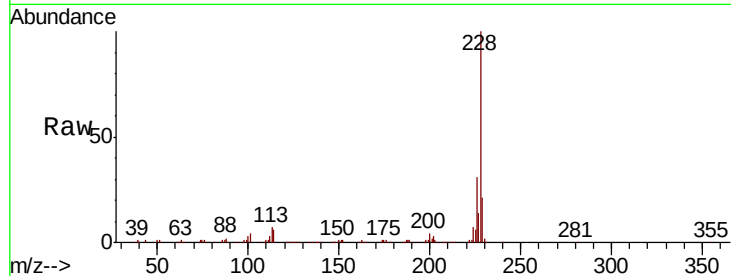
#83  
 Chrysene  
 Concen: 42.863 ng  
 RT: 21.77 min Scan# 3180  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB115718BS

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 228   | Resp: | 361502 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 226       | 30.9  | 25.0  | 37.4   |
| 229       | 20.5  | 16.5  | 24.7   |

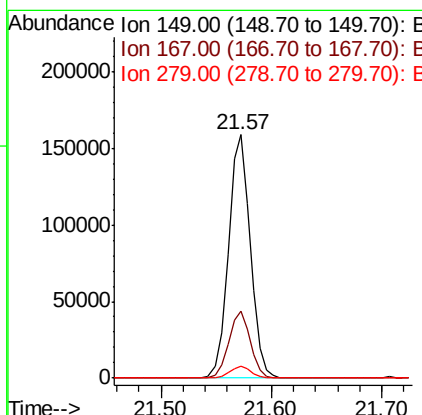
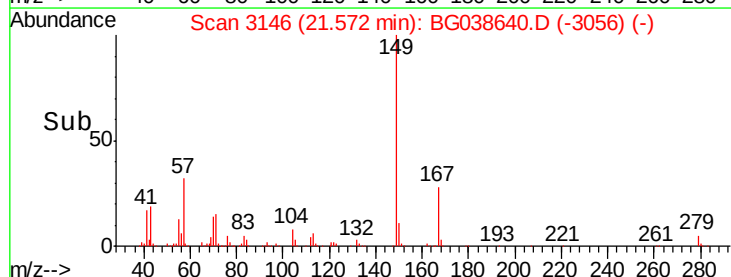
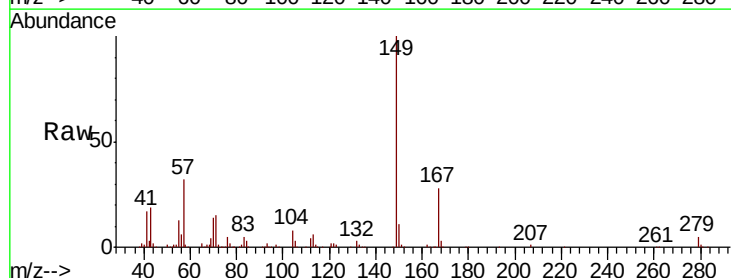
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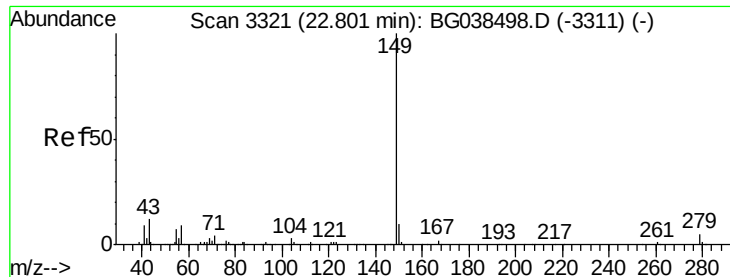
Sohil  
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#84  
 Bis(2-ethylhexyl)phthalate  
 Concen: 41.645 ng  
 RT: 21.57 min Scan# 3146  
 Delta R.T. -0.00 min  
 Lab File: BG038640.D  
 Acq: 16 Dec 2018 14:45

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 219056 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 27.8  | 21.9  | 32.9   |
| 279       | 5.1   | 4.2   | 6.2    |





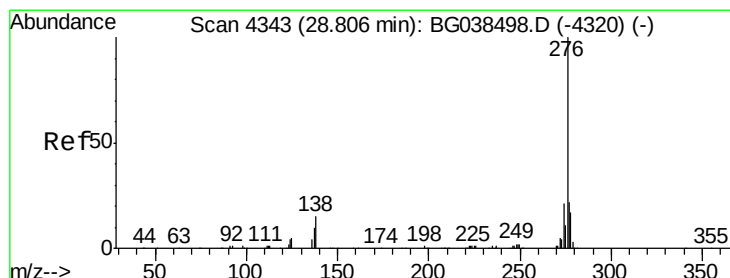
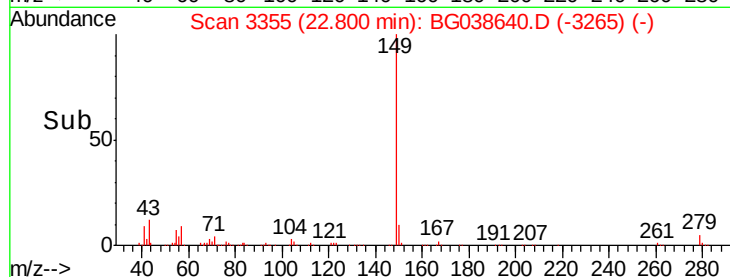
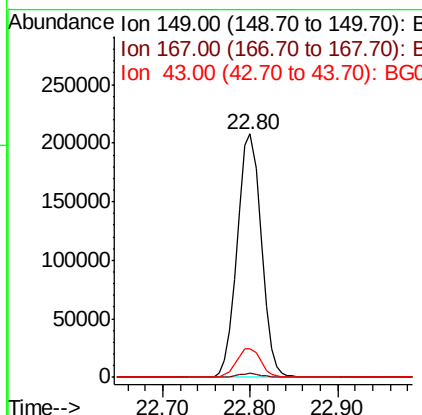
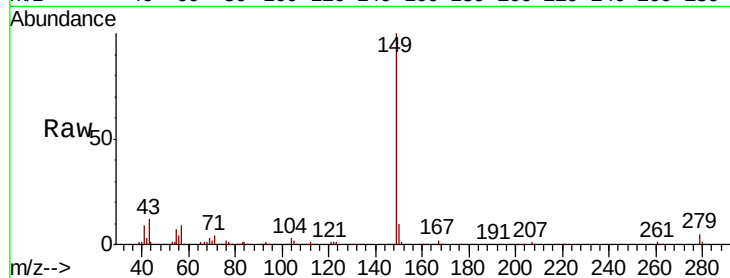
#85  
Di-n-octyl phthalate  
Concen: 43.651 ng  
RT: 22.80 min Scan# 3355  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 149     | 100   | 384532 |       |       |
| 167     | 1.5   | 1.2    | 1.8   |       |
| 43      | 12.2  | 9.3    | 13.9  |       |

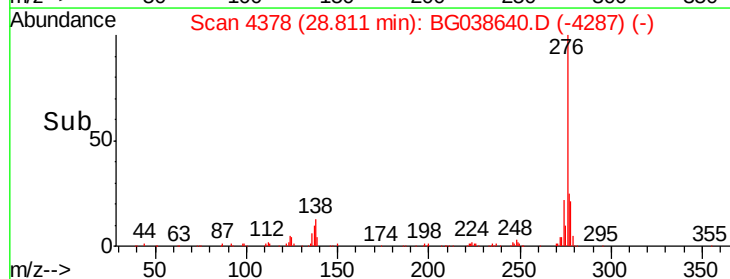
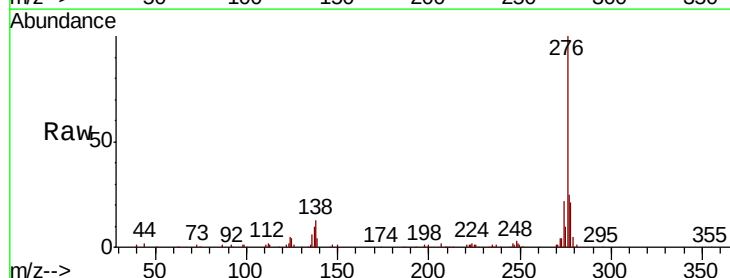
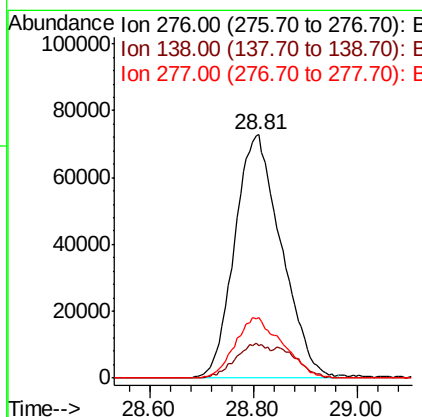
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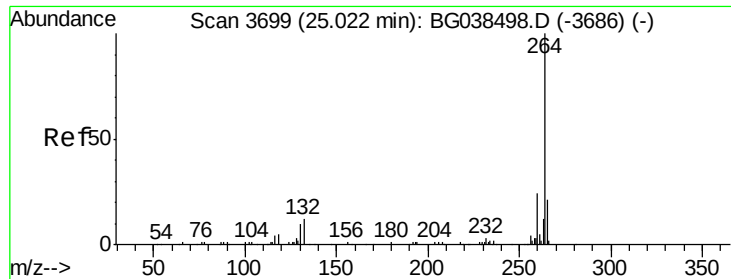
Sohil  
12/17/2018 4:14:03 PM



#86  
Indeno(1,2,3-cd)pyrene  
Concen: 45.953 ng  
RT: 28.81 min Scan# 4378  
Delta R.T. 0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 276     | 100   | 455644 |       |       |
| 138     | 10.2  | 14.4   | 21.6# |       |
| 277     | 25.4  | 0.0    | 0.0#  |       |





#87

Pervlene-d12

Concen: 20.000 ng

RT: 25.02 min Scan# 3733

Delta R.T. -0.00 min

Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

Instrument :

BNA\_G

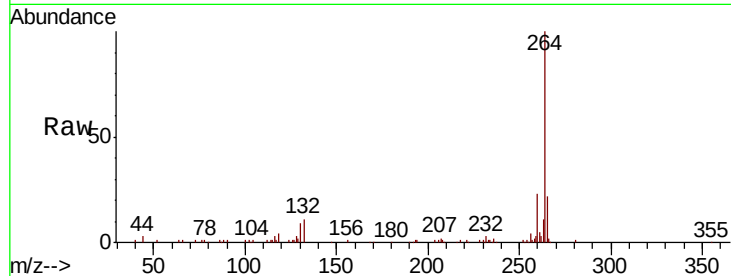
ClientSampleId :

PB115718BS

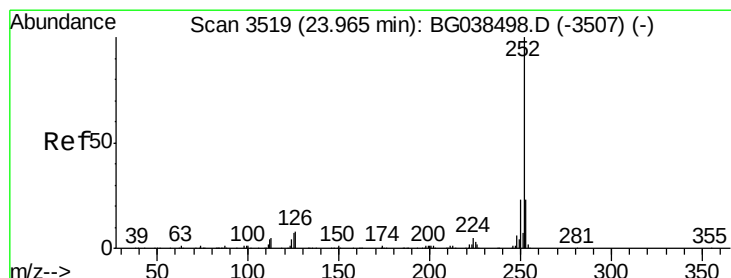
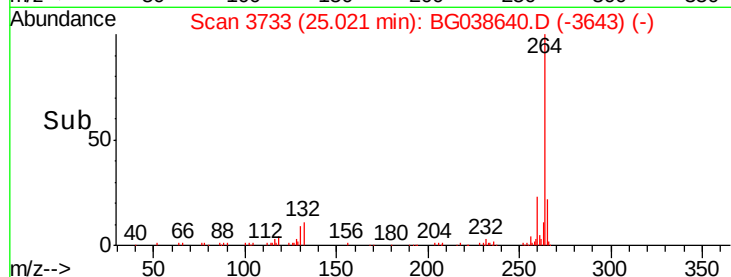
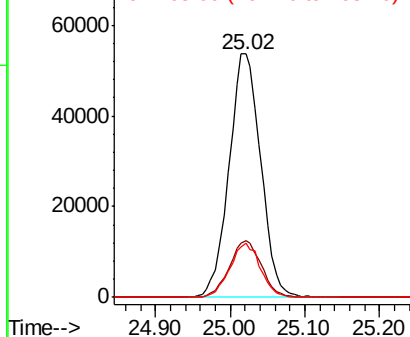
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 264   | Resp: | 158339 |
| Ion Ratio | Lower | Upper |        |
| 264       | 100   |       |        |
| 260       | 23.2  | 18.9  | 28.3   |
| 265       | 22.3  | 17.0  | 25.4   |

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Abundance Ion 264.00 (263.70 to 264.70): E  
Ion 260.00 (259.70 to 260.70): E  
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.612 ng

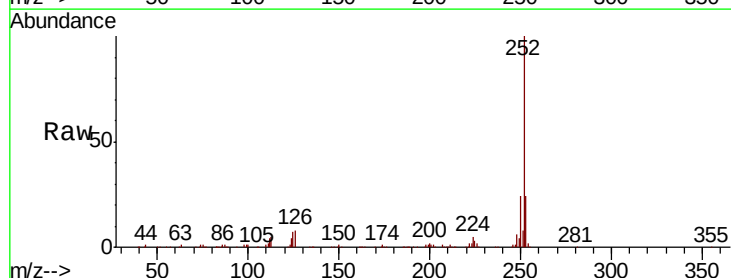
RT: 23.96 min Scan# 3553

Delta R.T. -0.00 min

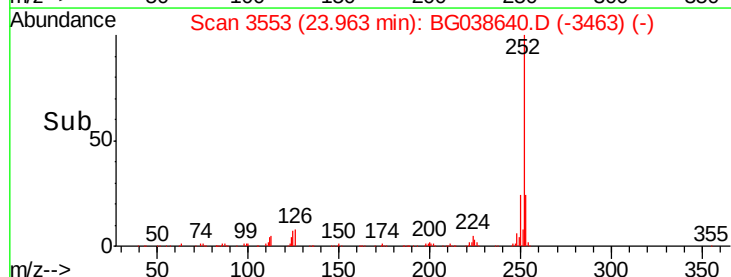
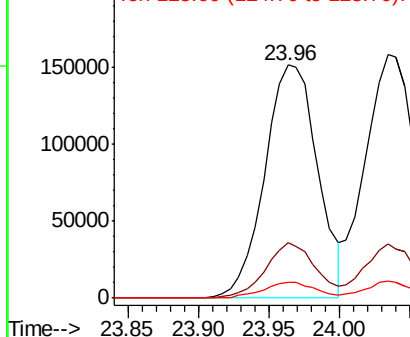
Lab File: BG038640.D

Acq: 16 Dec 2018 14:45

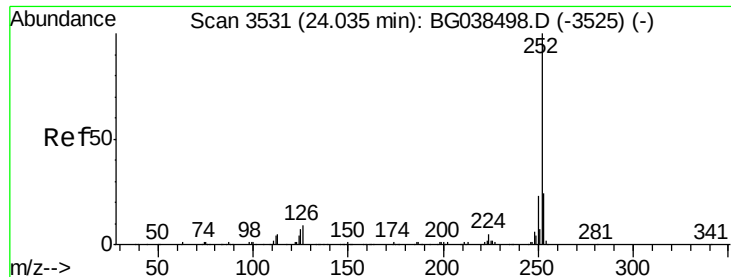
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 396529 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 23.6  | 18.1  | 27.1   |
| 125       | 7.0   | 5.5   | 8.3    |



Abundance Ion 252.00 (251.70 to 252.70): E  
Ion 253.00 (252.70 to 253.70): E  
Ion 125.00 (124.70 to 125.70): E







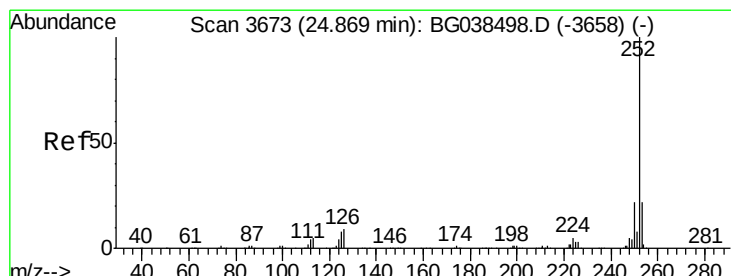
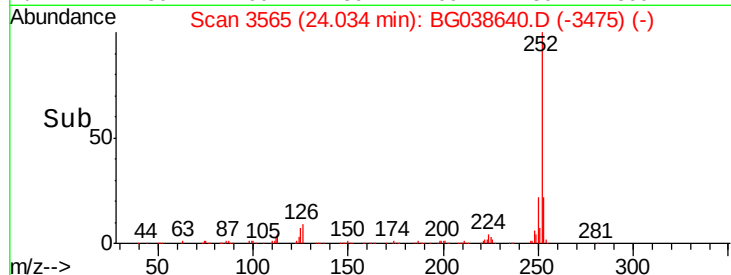
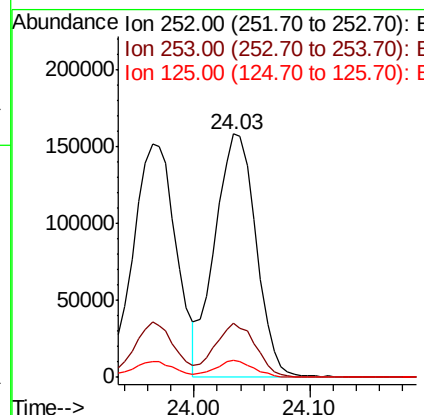
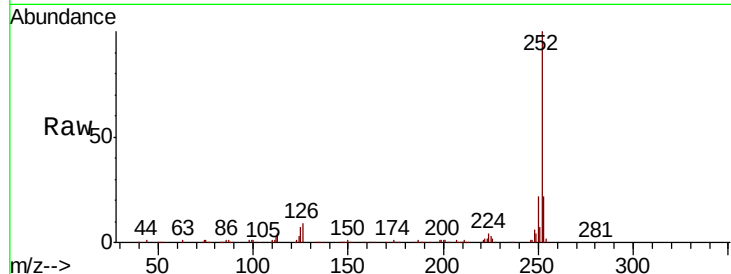
#89  
Benzo(k)fluoranthene  
Concen: 45.151 ng  
RT: 24.03 min Scan# 3565  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.2  | 18.9  | 28.3  |
| 125     | 7.0   | 5.4   | 8.2   |

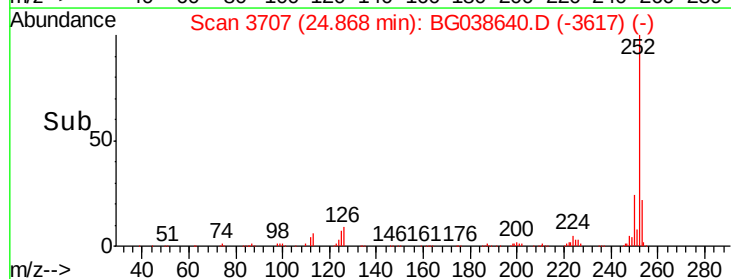
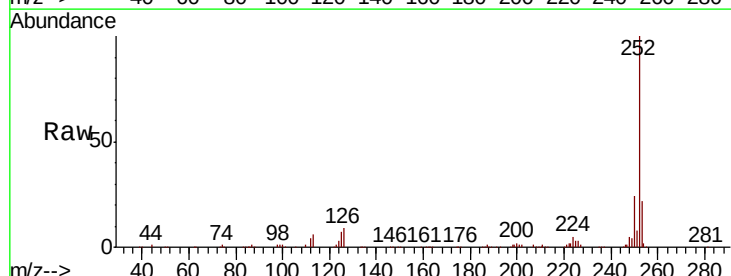
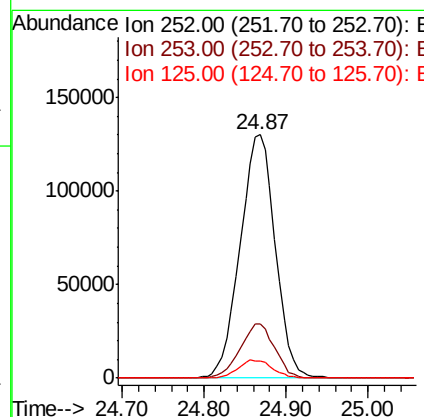
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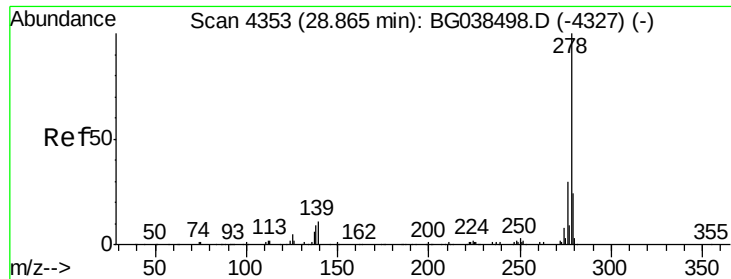
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#90  
Benzo(a)pyrene  
Concen: 46.256 ng  
RT: 24.87 min Scan# 3707  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 22.3  | 17.4  | 26.0  |
| 125     | 7.2   | 6.4   | 9.6   |





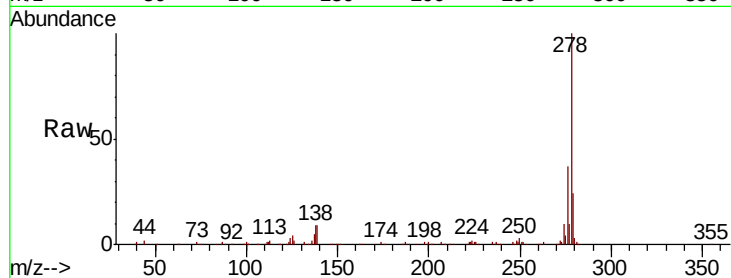
#91  
Dibenzo(a,h)anthracene  
Concen: 45.784 ng  
RT: 28.86 min Scan# 4387  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

Instrument :  
BNA\_G  
ClientSampleId :  
PB115718BS

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 278     | 100   |       |       |
| 139     | 9.2   | 8.6   | 12.8  |
| 279     | 23.9  | 19.0  | 28.6  |

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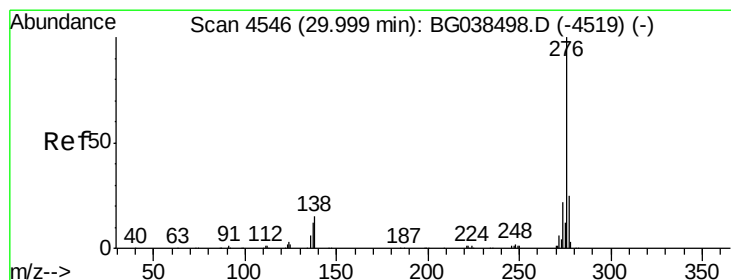
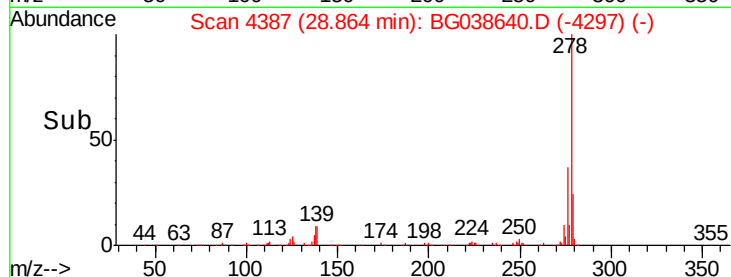
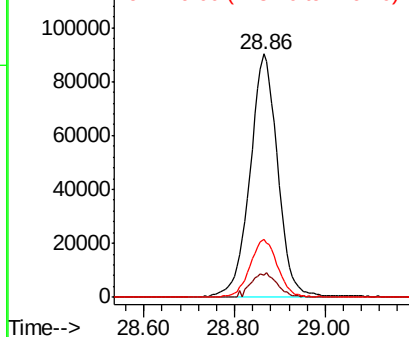


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92  
Benzo(g,h,i)perylene  
Concen: 45.854 ng  
RT: 30.00 min Scan# 4580  
Delta R.T. -0.00 min  
Lab File: BG038640.D  
Acq: 16 Dec 2018 14:45

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 277     | 24.4  | 19.8  | 29.8  |
| 138     | 13.9  | 11.8  | 17.6  |

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

