

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG101321\  
 Data File : BG050567.D  
 Acq On : 13 Oct 2021 12:31  
 Operator : CG/JU  
 Sample : PB139688BS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB139688BS

Manual Integrations  
 APPROVED

mohammad  
 10/14/2021 10:54:15 AM

Quant Time: Oct 13 15:11:53 2021  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Oct 06 15:51:01 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.258  | 152  | 40044    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8            | 11.085 | 136  | 178631   | 20.00  | ng    | # 0.00   |
| 39) Acenaphthene-d10          | 14.880 | 164  | 122655   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.624 | 188  | 287396   | 20.00  | ng    | # 0.00   |
| 76) Chrysene-d12              | 21.925 | 240  | 251389   | 20.00  | ng    | # 0.00   |
| 86) Perylene-d12              | 25.338 | 264  | 253019   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.797  | 112  | 337022   | 125.87 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.401  | 99   | 465035   | 119.96 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.434  | 82   | 322559   | 74.75  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.361 | 330  | 139470   | 119.21 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.505 | 172  | 604165   | 74.13  | ng    | 0.00     |
| 79) Terphenyl-d14             | 20.209 | 244  | 1005894  | 77.98  | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.652  | 88   | 41528    | 29.95  | ng    | 93       |
| 3) Pyridine                   | 4.058  | 79   | 98656    | 26.04  | ng    | # 91     |
| 4) n-Nitrosodimethylamine     | 3.975  | 42   | 70086    | 39.26  | ng    | # 46     |
| 6) Aniline                    | 7.577  | 93   | 176737   | 39.24  | ng    | 93       |
| 8) 2-Chlorophenol             | 7.818  | 128  | 122006   | 47.33  | ng    | 88       |
| 9) Benzaldehyde               | 7.389  | 77   | 95415    | 38.90  | ng    | 91       |
| 10) Phenol                    | 7.430  | 94   | 172692   | 45.82  | ng    | 87       |
| 11) bis(2-Chloroethyl)ether   | 7.665  | 93   | 121390   | 41.26  | ng    | 83       |
| 12) 1,3-Dichlorobenzene       | 8.147  | 146  | 122201   | 41.06  | ng    | 95       |
| 13) 1,4-Dichlorobenzene       | 8.294  | 146  | 122049   | 40.68  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.617  | 146  | 118573   | 41.38  | ng    | 94       |
| 15) Benzyl Alcohol            | 8.494  | 79   | 142429   | 46.49  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.781  | 45   | 206146   | 42.97  | ng    | 86       |
| 17) 2-Methylphenol            | 8.693  | 107  | 119599   | 48.22  | ng    | 92       |
| 18) Hexachloroethane          | 9.351  | 117  | 47846    | 42.14  | ng    | 91       |
| 19) n-Nitroso-di-n-propyla... | 9.063  | 70   | 120469   | 42.64  | ng    | # 92     |
| 20) 3+4-Methylphenols         | 9.022  | 107  | 165502   | 47.41  | ng    | 98       |
| 22) Acetophenone              | 9.081  | 105  | 195525   | 38.50  | ng    | # 98     |
| 24) Nitrobenzene              | 9.475  | 77   | 173697   | 40.48  | ng    | 95       |
| 25) Isophorone                | 9.998  | 82   | 309436   | 40.43  | ng    | # 95     |
| 26) 2-Nitrophenol             | 10.192 | 139  | 67920    | 43.11  | ng    | # 93     |
| 27) 2,4-Dimethylphenol        | 10.233 | 122  | 130535   | 47.96  | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 10.474 | 93   | 171126   | 39.10  | ng    | 93       |
| 29) 2,4-Dichlorophenol        | 10.720 | 162  | 123480   | 44.51  | ng    | 96       |
| 30) 1,2,4-Trichlorobenzene    | 10.944 | 180  | 119787   | 38.01  | ng    | 99       |
| 31) Naphthalene               | 11.137 | 128  | 382311   | 39.98  | ng    | 99       |
| 32) Benzoic acid              | 10.368 | 122  | 79412    | 39.31  | ng    | # 82     |
| 33) 4-Chloroaniline           | 11.237 | 127  | 113421   | 28.27  | ng    | 98       |
| 34) Hexachlorobutadiene       | 11.408 | 225  | 74768    | 37.79  | ng    | 97       |
| 35) Caprolactam               | 12.007 | 113  | 48375m   | 45.56  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 12.336 | 107  | 154616   | 44.59  | ng    | # 88     |
| 37) 2-Methylnaphthalene       | 12.724 | 142  | 278292   | 42.18  | ng    | 93       |
| 38) 1-Methylnaphthalene       | 12.941 | 142  | 258235   | 40.37  | ng    | 92       |
| 40) 1,2,4,5-Tetrachloroben... | 13.082 | 216  | 137565   | 37.98  | ng    | 96       |
| 41) Hexachlorocyclopentadiene | 13.059 | 237  | 181348   | 86.63  | ng    | 95       |
| 43) 2,4,6-Trichlorophenol     | 13.317 | 196  | 104614   | 40.99  | ng    | 94       |

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 ClientSampleId :  
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Manual Integrations  
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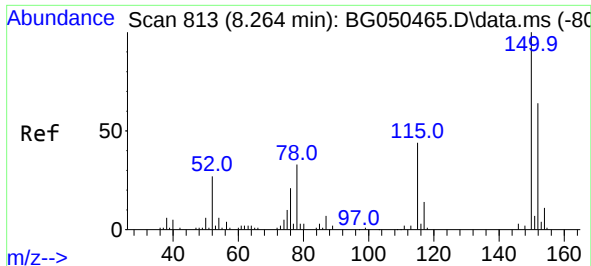
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG100621.M  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.388 | 196  | 113380   | 42.49 | ng    | 91       |
| 46) 1,1'-Biphenyl             | 13.717 | 154  | 346023   | 38.68 | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.764 | 162  | 276304   | 40.22 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.964 | 65   | 122412   | 44.79 | ng    | 96       |
| 49) Acenaphthylene            | 14.604 | 152  | 464722   | 41.29 | ng    | 96       |
| 50) Dimethylphthalate         | 14.322 | 163  | 386845   | 41.73 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.445 | 165  | 84050    | 45.26 | ng    | 94       |
| 52) Acenaphthene              | 14.945 | 154  | 334620m  | 46.26 | ng    |          |
| 53) 3-Nitroaniline            | 14.780 | 138  | 73679    | 33.54 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.986 | 184  | 98259    | 85.29 | ng    | 88       |
| 55) Dibenzofuran              | 15.274 | 168  | 442986   | 39.60 | ng    | 97       |
| 56) 4-Nitrophenol             | 15.080 | 139  | 157814   | 89.32 | ng    | # 80     |
| 57) 2,4-Dinitrotoluene        | 15.233 | 165  | 120302   | 45.96 | ng    | 94       |
| 58) Fluorene                  | 15.920 | 166  | 355810   | 41.41 | ng    | 95       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.491 | 232  | 96172    | 41.37 | ng    | 94       |
| 60) Diethylphthalate          | 15.673 | 149  | 414054   | 42.51 | ng    | 97       |
| 61) 4-Chlorophenyl-phenyle... | 15.908 | 204  | 189244   | 40.25 | ng    | 98       |
| 62) 4-Nitroaniline            | 15.944 | 138  | 95723    | 41.89 | ng    | # 70     |
| 63) Azobenzene                | 16.202 | 77   | 460670   | 40.85 | ng    | 83       |
| 65) 4,6-Dinitro-2-methylph... | 15.991 | 198  | 67170    | 38.91 | ng    | 84       |
| 66) n-Nitrosodiphenylamine    | 16.120 | 169  | 326020   | 39.92 | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.801 | 248  | 115105   | 39.75 | ng    | 100      |
| 68) Hexachlorobenzene         | 16.919 | 284  | 116118   | 40.34 | ng    | # 91     |
| 69) Atrazine                  | 17.060 | 200  | 139094   | 43.24 | ng    | 98       |
| 70) Pentachlorophenol         | 17.266 | 266  | 152082   | 77.62 | ng    | 96       |
| 71) Phenanthrene              | 17.665 | 178  | 616545   | 40.71 | ng    | 97       |
| 72) Anthracene                | 17.759 | 178  | 624743   | 41.51 | ng    | 98       |
| 73) Carbazole                 | 18.024 | 167  | 592580   | 39.51 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.558 | 149  | 747442   | 42.46 | ng    | 97       |
| 75) Fluoranthene              | 19.663 | 202  | 767832   | 41.24 | ng    | 96       |
| 77) Benzidine                 | 19.833 | 184  | 368727   | 45.25 | ng    | 97       |
| 78) Pyrene                    | 20.021 | 202  | 763121   | 42.79 | ng    | 97       |
| 80) Butylbenzylphthalate      | 20.891 | 149  | 326920   | 43.33 | ng    | 95       |
| 81) Benzo(a)anthracene        | 21.901 | 228  | 682255   | 41.02 | ng    | 100      |
| 82) 3,3'-Dichlorobenzidine    | 21.807 | 252  | 192317   | 34.89 | ng    | # 99     |
| 83) Chrysene                  | 21.972 | 228  | 643772   | 41.14 | ng    | 95       |
| 84) Bis(2-ethylhexyl)phtha... | 21.778 | 149  | 473773   | 44.20 | ng    | # 97     |
| 85) Di-n-octyl phthalate      | 23.053 | 149  | 806671   | 45.12 | ng    | 96       |
| 87) Indeno(1,2,3-cd)pyrene    | 29.269 | 276  | 756148   | 42.91 | ng    | # 93     |
| 88) Benzo(b)fluoranthene      | 24.246 | 252  | 691419   | 44.62 | ng    | # 94     |
| 89) Benzo(k)fluoranthene      | 24.322 | 252  | 666381   | 43.71 | ng    | # 96     |
| 90) Benzo(a)pyrene            | 25.180 | 252  | 669795   | 50.84 | ng    | # 94     |
| 91) Dibenzo(a,h)anthracene    | 29.340 | 278  | 634561   | 43.53 | ng    | # 91     |
| 92) Benzo(g,h,i)perylene      | 30.509 | 276  | 623369   | 43.67 | ng    | # 91     |

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





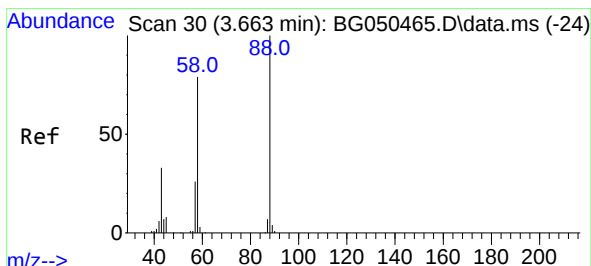
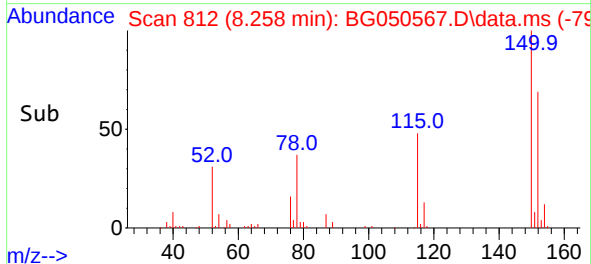
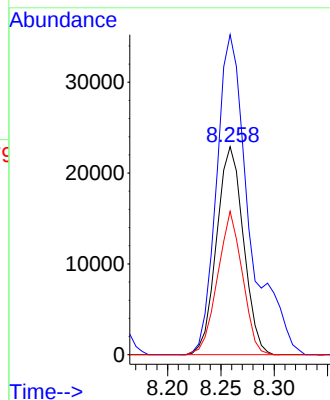
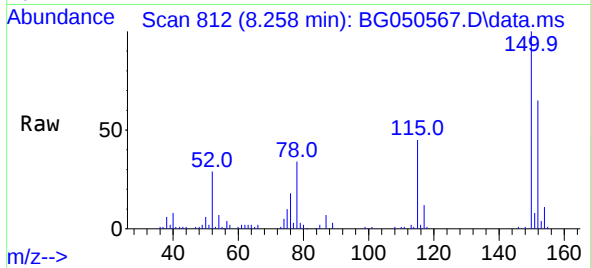
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1,4-Dichlorobenzene-d4  
Concen: 20.00 ng  
RT: 8.258 min Scan# 812  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:152 Resp: 40044  
Ion Ratio Lower Upper  
152 100  
150 153.9 119.4 179.0  
115 68.9 60.2 90.4

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BNA\_G  
ClientSampled :  
PB139688BS

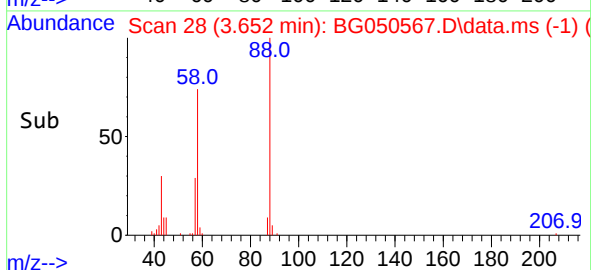
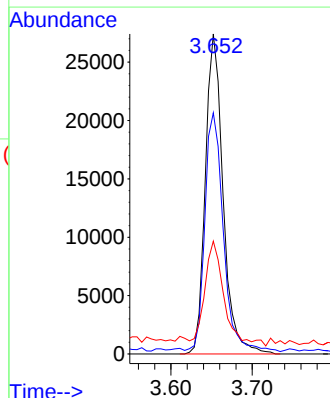
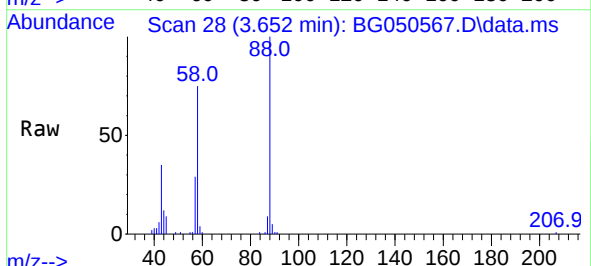
Manual Integrations  
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#2  
1,4-Dioxane  
Concen: 29.95 ng  
RT: 3.652 min Scan# 28  
Delta R.T. -0.011 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 88 Resp: 41528  
Ion Ratio Lower Upper  
88 100  
58 77.7 55.7 83.5  
43 35.9 29.3 43.9





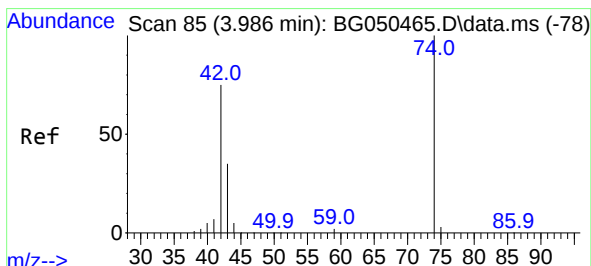
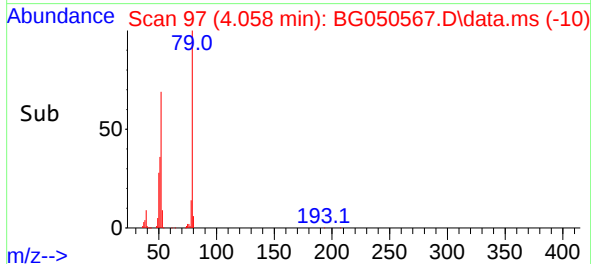
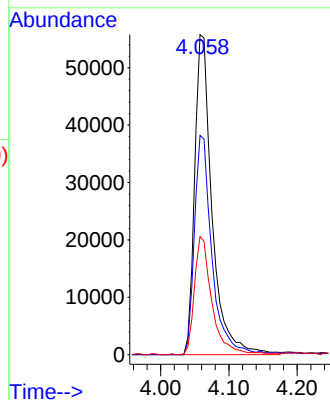
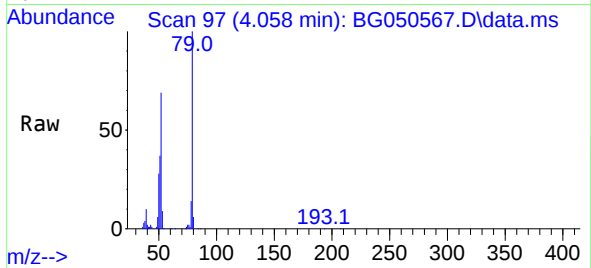
#3  
Pyridine  
Concen: 26.04 ng  
RT: 4.058 min Scan# 97  
Delta R.T. -0.017 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 79 Resp: 98656  
Ion Ratio Lower Upper  
79 100  
52 68.5 58.4 87.6  
51 36.9 37.0 55.6#

Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

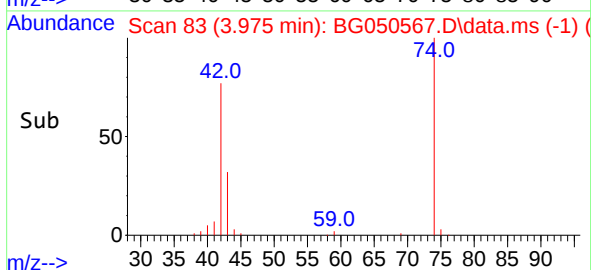
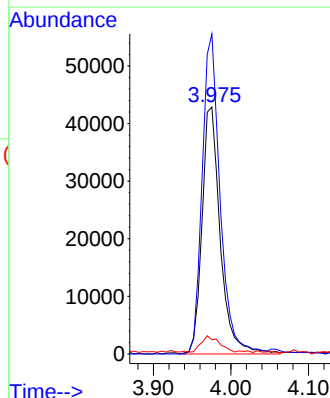
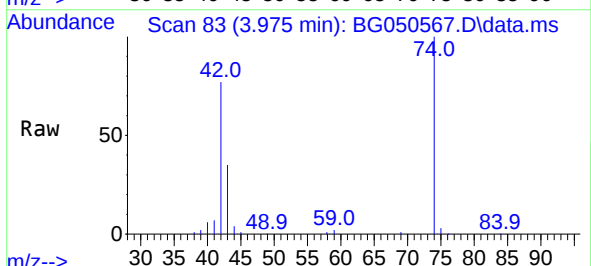
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#4  
n-Nitrosodimethylamine  
Concen: 39.26 ng  
RT: 3.975 min Scan# 83  
Delta R.T. -0.011 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 42 Resp: 70086  
Ion Ratio Lower Upper  
42 100  
74 129.6 64.0 96.0#  
44 5.8 2.7 4.1#





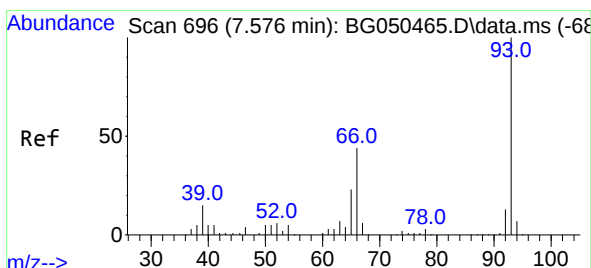
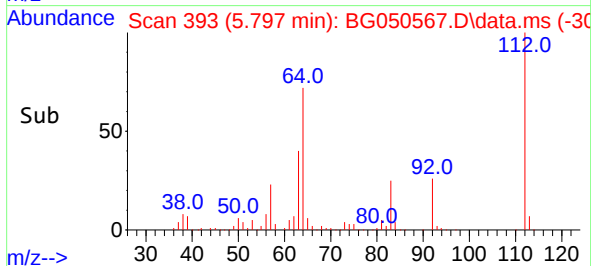
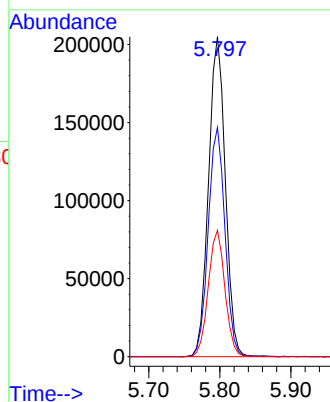
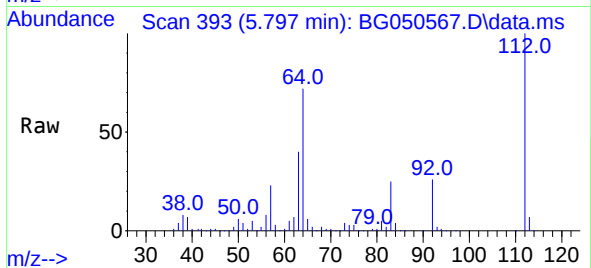
#5  
2-Fluorophenol  
Concen: 125.87 ng  
RT: 5.797 min Scan# 393  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 112 Resp: 337022  
Ion Ratio Lower Upper  
112 100  
64 71.6 46.7 70.1#  
63 39.5 35.3 52.9

Instrument :  
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ClientSampleId :  
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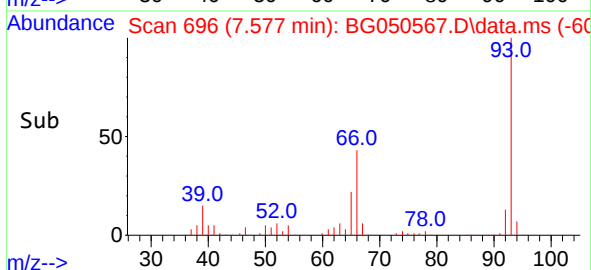
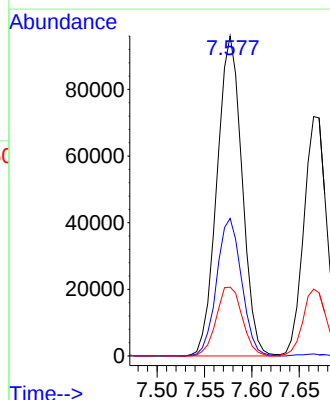
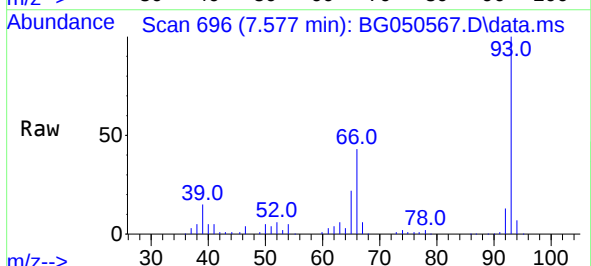
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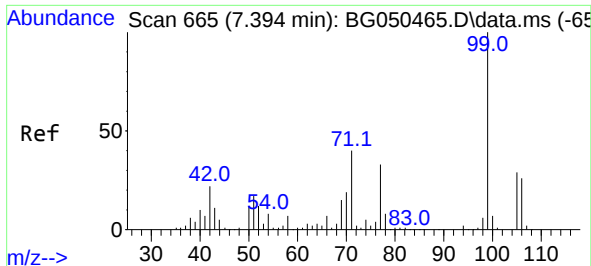
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#6  
Aniline  
Concen: 39.24 ng  
RT: 7.577 min Scan# 696  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 93 Resp: 176737  
Ion Ratio Lower Upper  
93 100  
66 43.0 30.6 45.8  
65 21.5 15.0 22.4





#7  
Phenol-d6  
Concen: 119.96 ng  
RT: 7.401 min Scan# 666  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

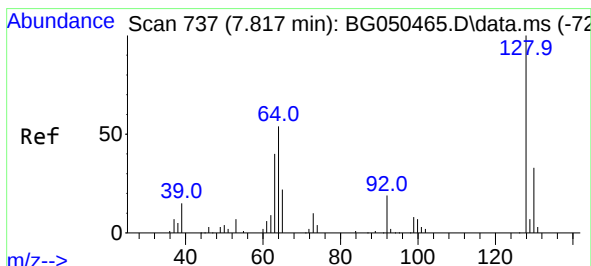
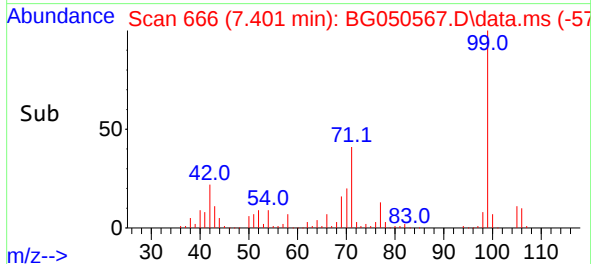
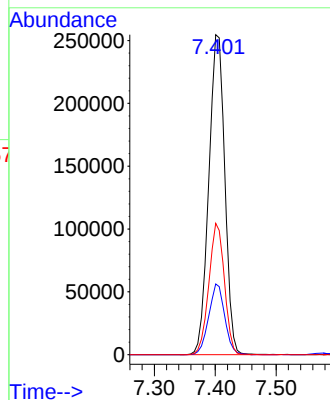
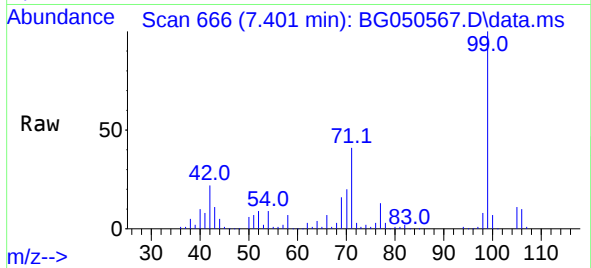
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Ion Ratio Lower Upper  
99 100  
42 22.1 20.5 30.7  
71 41.0 41.5 62.3#

Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

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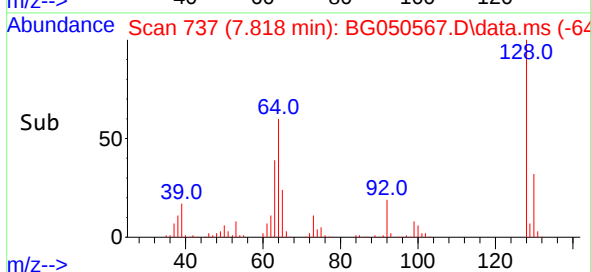
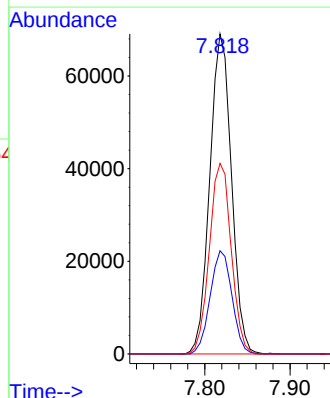
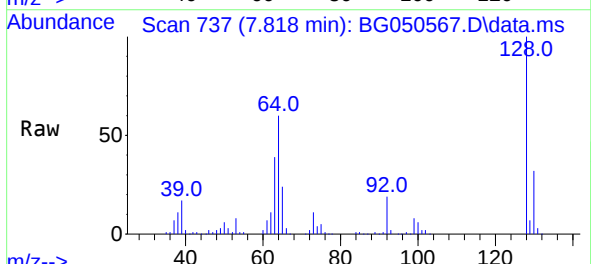
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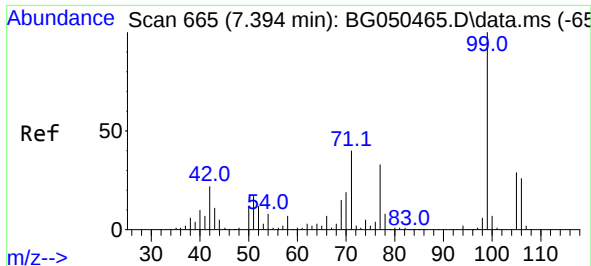
10/14/2021 10:54:15 AM



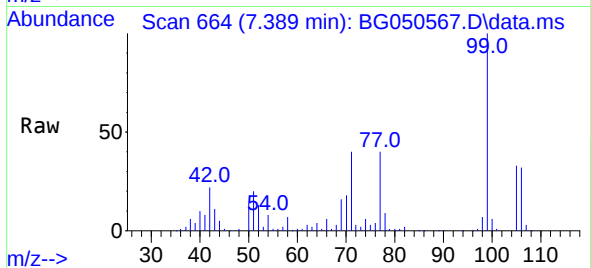
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2-Chlorophenol  
Concen: 47.33 ng  
RT: 7.818 min Scan# 737  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:128 Resp: 122006  
Ion Ratio Lower Upper  
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130 32.2 10.0 50.0  
64 59.6 28.1 68.1

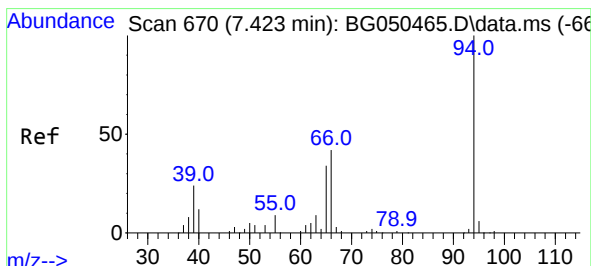
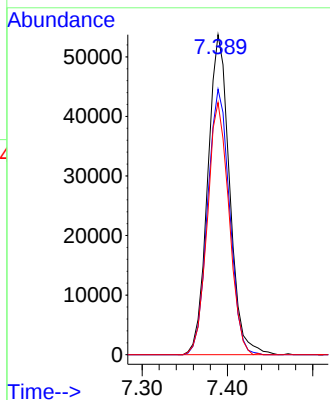
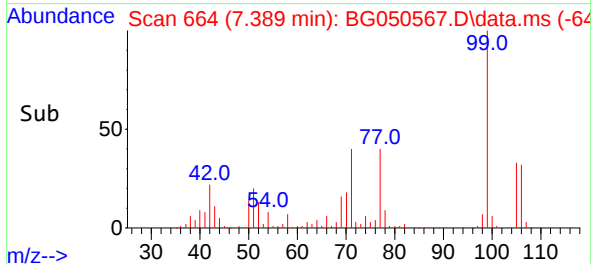




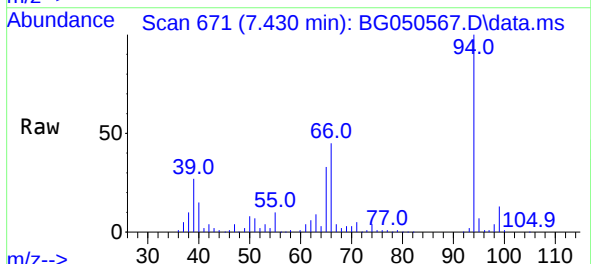
#9  
Benzaldehyde  
Concen: 38.90 ng  
RT: 7.389 min Scan# 664  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



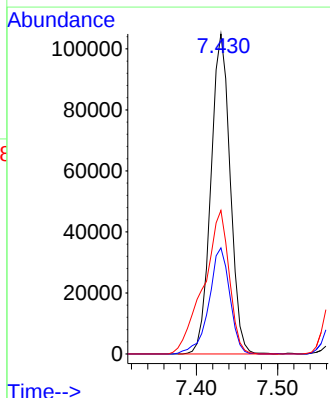
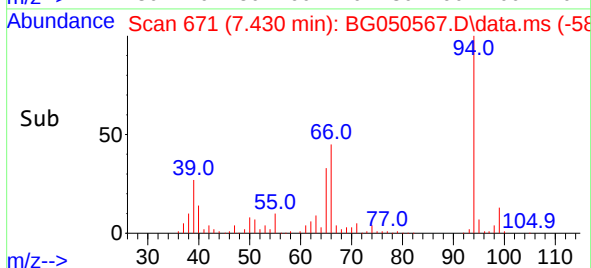
Tgt Ion: 77 Resp: 95415  
Ion Ratio Lower Upper  
77 100  
105 83.0 68.8 108.8  
106 78.8 47.9 87.9



#10  
Phenol  
Concen: 45.82 ng  
RT: 7.430 min Scan# 671  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion: 94 Resp: 172692  
Ion Ratio Lower Upper  
94 100  
65 33.2 12.9 52.9  
66 44.9 39.4 79.4

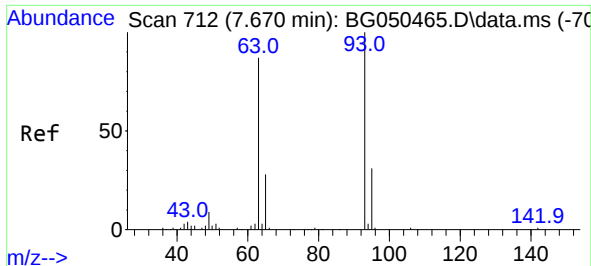


Instrument :  
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#11  
bis(2-Chloroethyl)ether  
Concen: 41.26 ng  
RT: 7.665 min Scan# 711  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

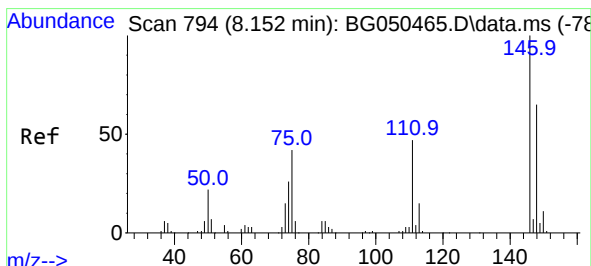
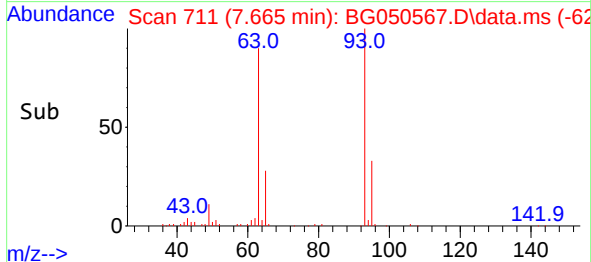
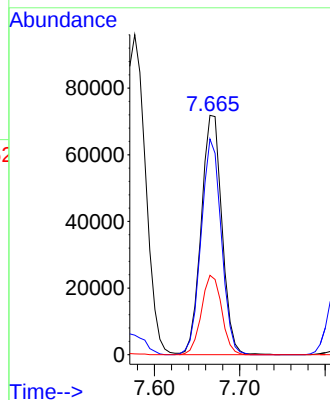
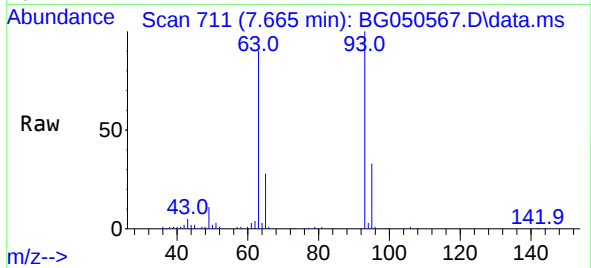
Tgt Ion: 93 Resp: 121390  
Ion Ratio Lower Upper  
93 100  
63 90.2 50.4 90.4  
95 33.2 15.3 55.3

Instrument :  
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ClientSampled :  
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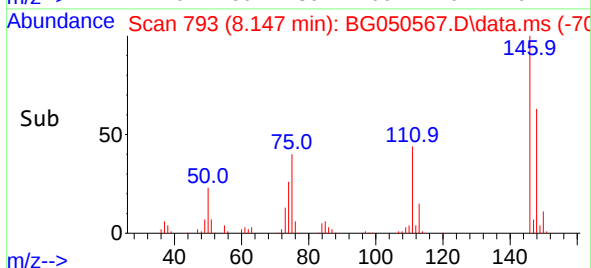
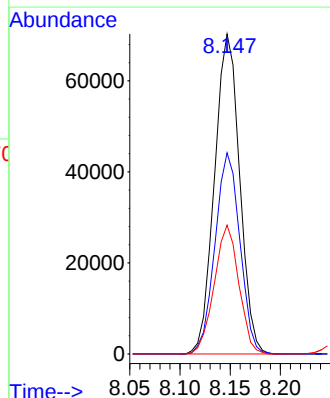
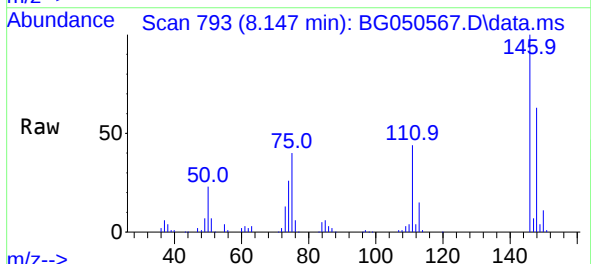
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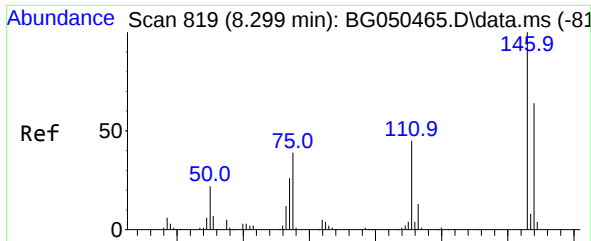
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#12  
1,3-Dichlorobenzene  
Concen: 41.06 ng  
RT: 8.147 min Scan# 793  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 146 Resp: 122201  
Ion Ratio Lower Upper  
146 100  
148 62.8 52.6 78.8  
75 40.3 35.7 53.5





#13  
1,4-Dichlorobenzene  
Concen: 40.68 ng  
RT: 8.294 min Scan# 818  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

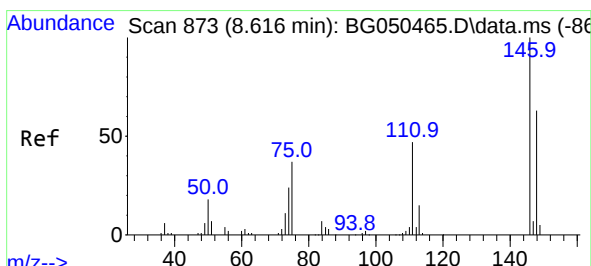
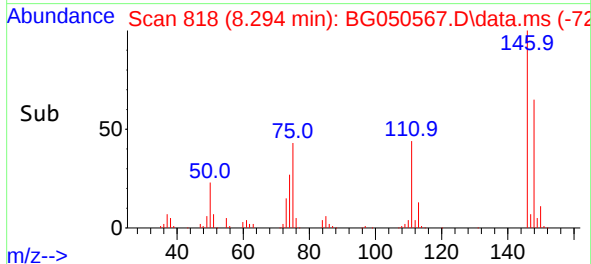
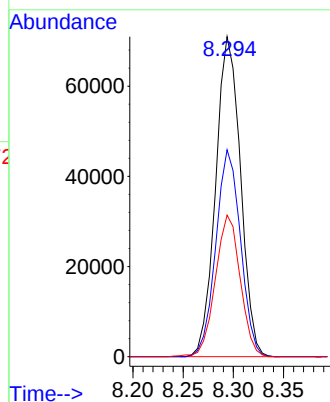
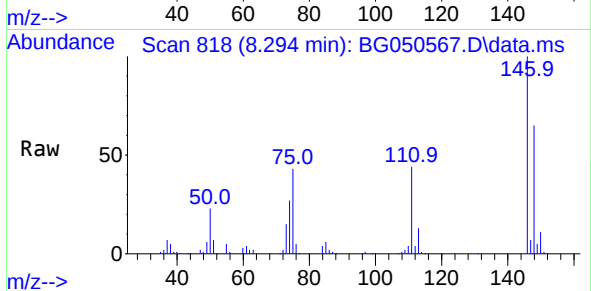
Tgt Ion:146 Resp: 122049  
Ion Ratio Lower Upper  
146 100  
148 64.7 54.0 81.0  
111 44.3 34.3 51.5

Instrument :  
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ClientSampleId :  
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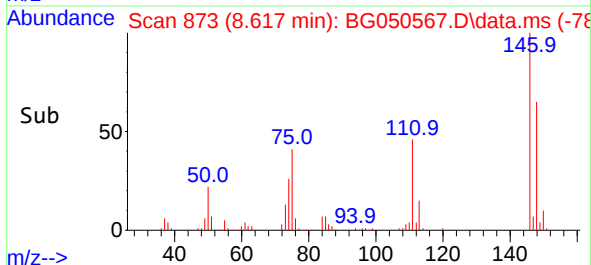
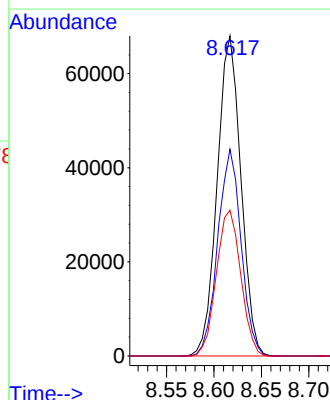
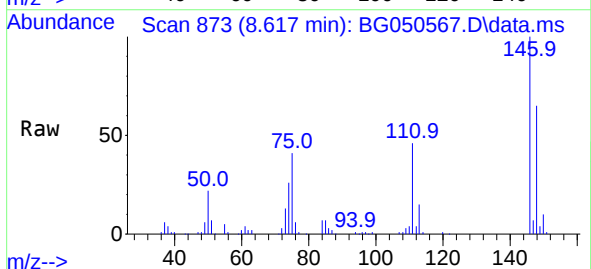
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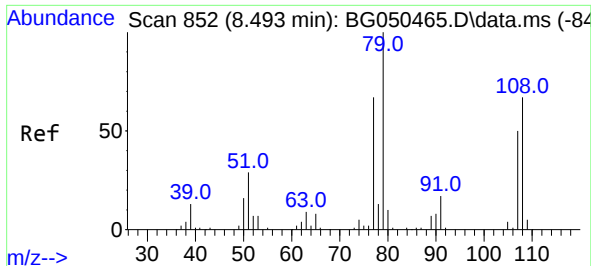
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#14  
1,2-Dichlorobenzene  
Concen: 41.38 ng  
RT: 8.617 min Scan# 873  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:146 Resp: 118573  
Ion Ratio Lower Upper  
146 100  
148 64.6 47.5 71.3  
111 45.6 39.1 58.7





#15  
Benzyl Alcohol  
Concen: 46.49 ng  
RT: 8.494 min Scan# 852  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 79 Resp: 142429

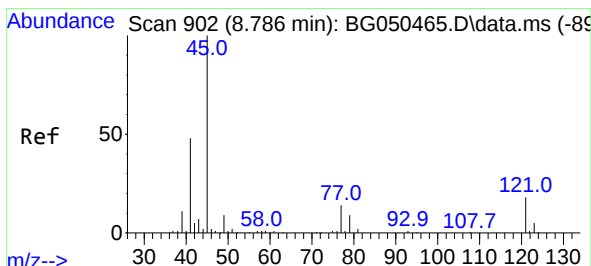
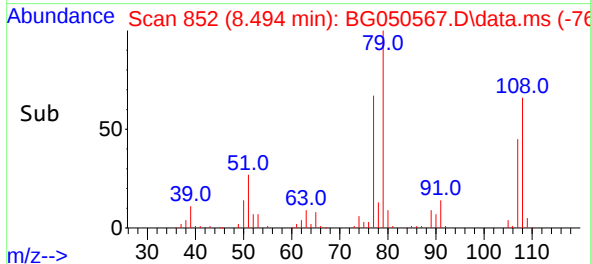
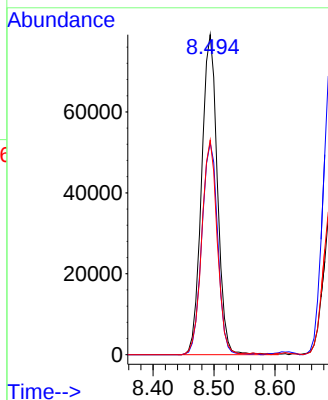
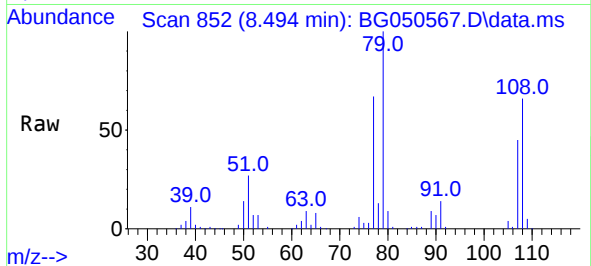
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 79  | 100   |       |       |
| 108 | 66.2  | 48.2  | 72.4  |
| 77  | 67.0  | 57.3  | 85.9  |

Instrument :  
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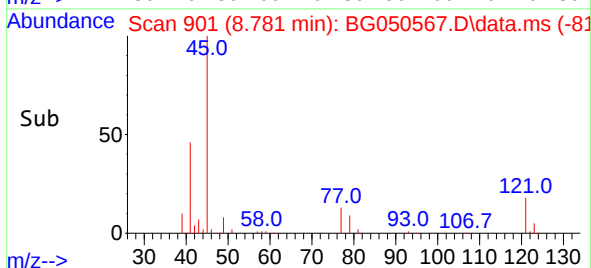
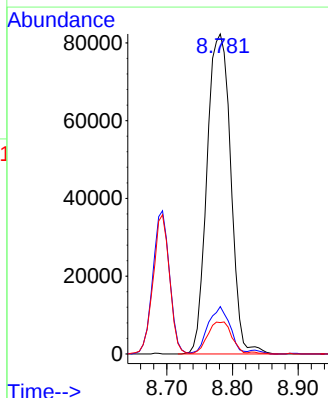
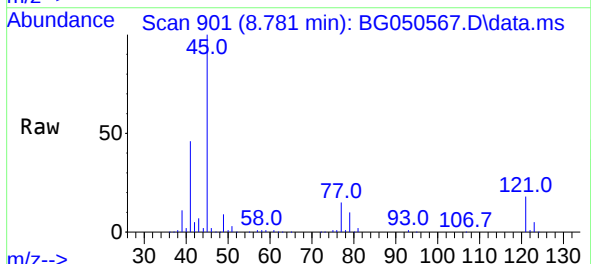
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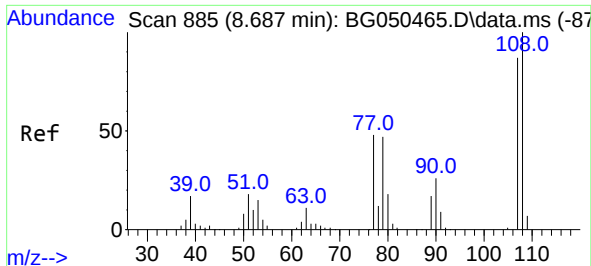


#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 42.97 ng  
RT: 8.781 min Scan# 901  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

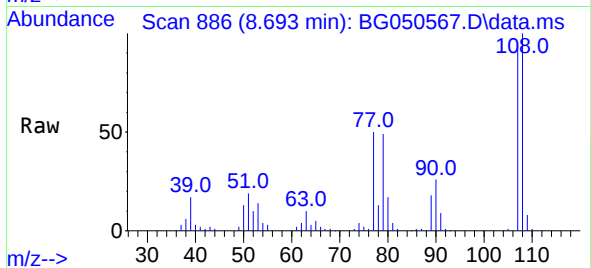
Tgt Ion: 45 Resp: 206146

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 45  | 100   |       |       |
| 77  | 14.8  | 2.2   | 42.2  |
| 79  | 9.8   | 0.0   | 34.3  |

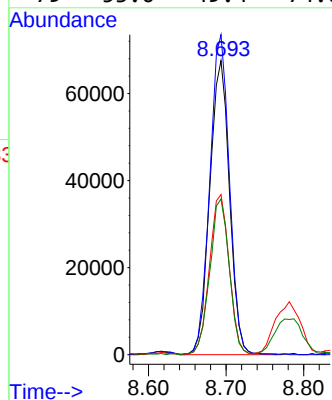




#17  
2-Methylphenol  
Concen: 48.22 ng  
RT: 8.693 min Scan# 886  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 119599 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 108.8 | 84.6  | 127.0  |
| 77       | 54.5  | 50.7  | 76.1   |
| 79       | 53.0  | 49.4  | 74.0   |

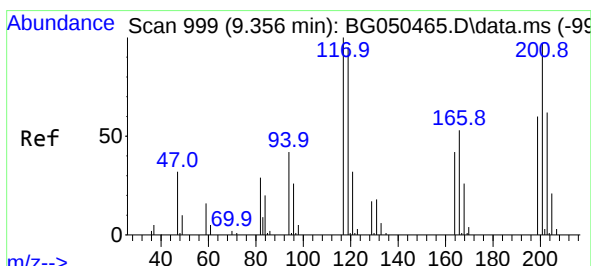


Instrument :  
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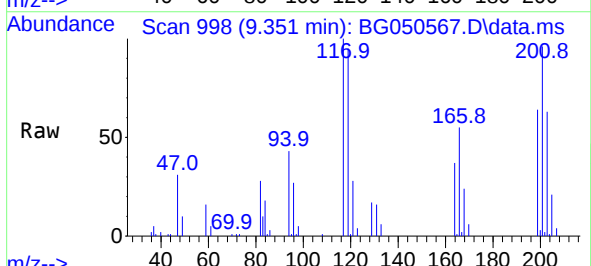
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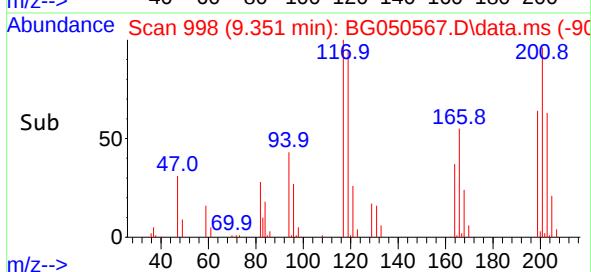
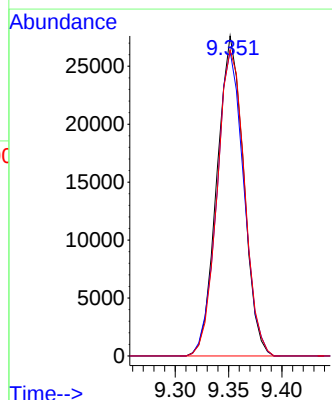
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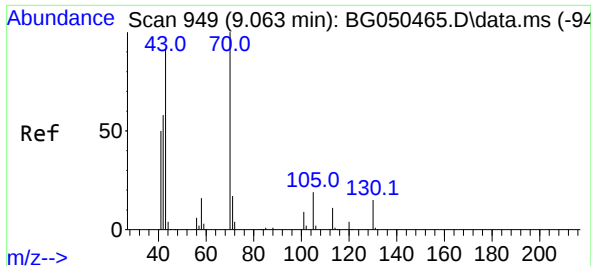


#18  
Hexachloroethane  
Concen: 42.14 ng  
RT: 9.351 min Scan# 998  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

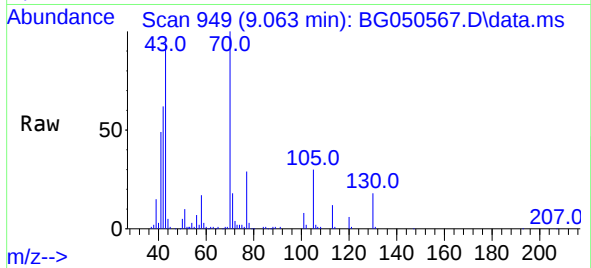


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 47846 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 95.3  | 74.4  | 111.6 |
| 201      | 95.6  | 88.6  | 133.0 |

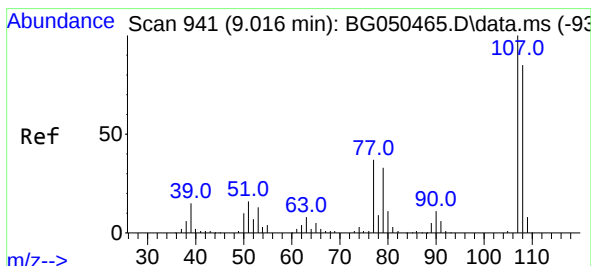
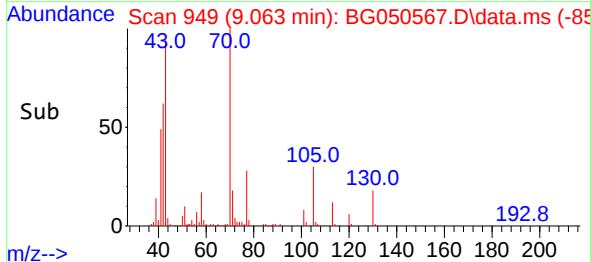
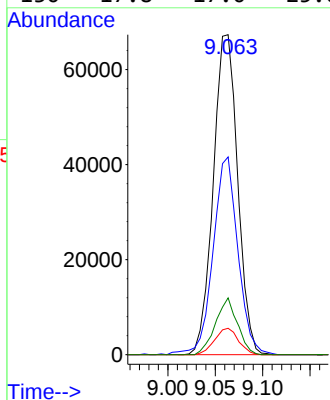




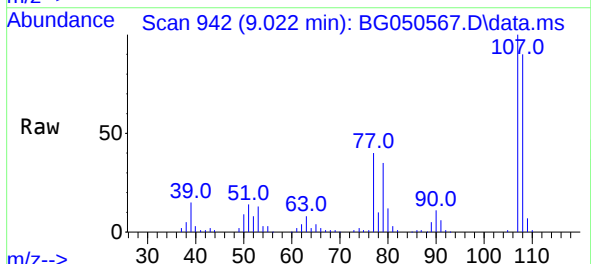
#19  
n-Nitroso-di-n-propylamine  
Concen: 42.64 ng  
RT: 9.063 min Scan# 949  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



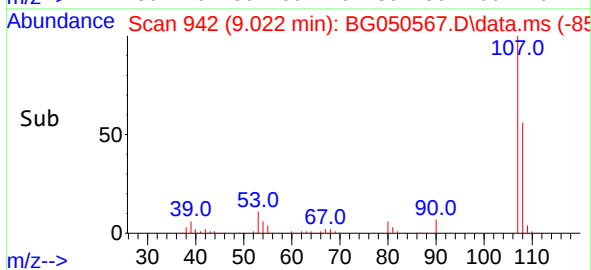
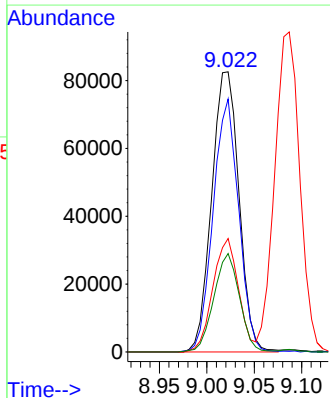
Tgt Ion: 70 Resp: 120469  
Ion Ratio Lower Upper  
70 100  
42 61.8 54.5 81.7  
101 8.3 9.0 13.6#  
130 17.8 17.0 25.6



#20  
3+4-Methylphenols  
Concen: 47.41 ng  
RT: 9.022 min Scan# 942  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion: 107 Resp: 165502  
Ion Ratio Lower Upper  
107 100  
108 90.3 69.3 109.3  
77 40.5 25.2 65.2  
79 35.2 15.1 55.1

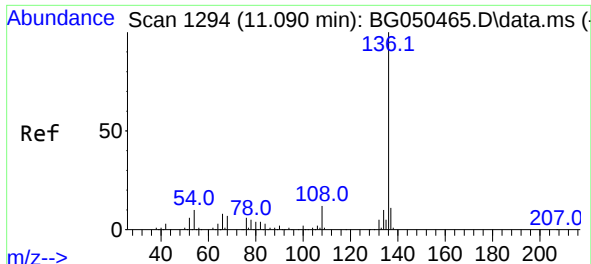


Instrument :  
BNA\_G  
ClientSampleId :  
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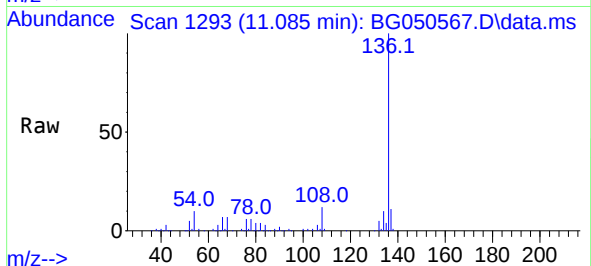
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#21  
Naphthalene-d8  
Concen: 20.00 ng  
RT: 11.085 min Scan# 1293  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

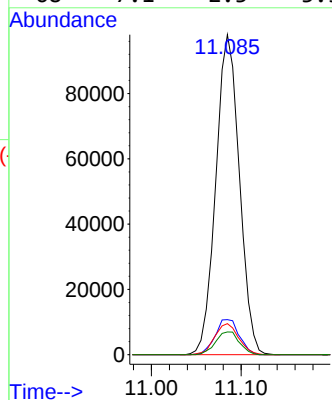
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BNA\_G  
ClientSampled :  
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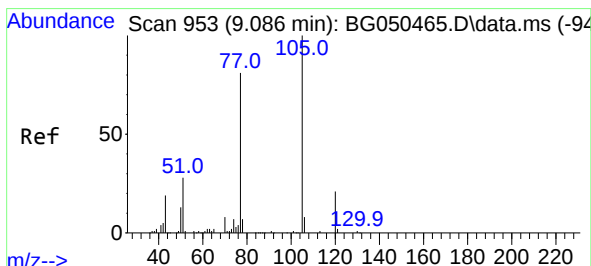
Tgt Ion:136 Resp: 178631  
Ion Ratio Lower Upper  
136 100  
137 11.0 8.2 12.2  
54 9.7 5.5 8.3#  
68 7.1 2.3 3.5#

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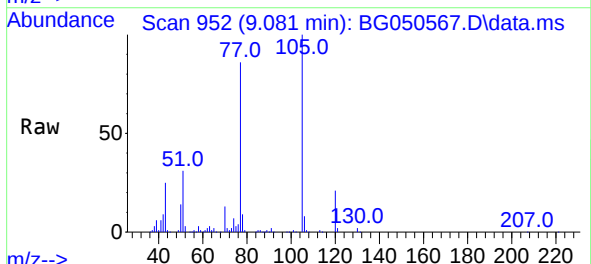
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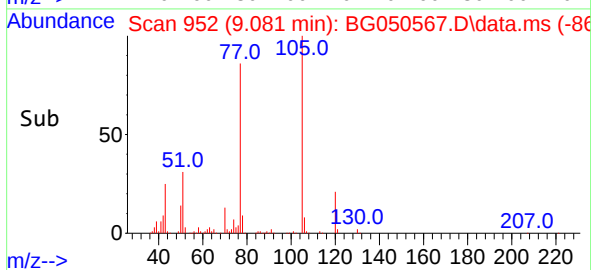
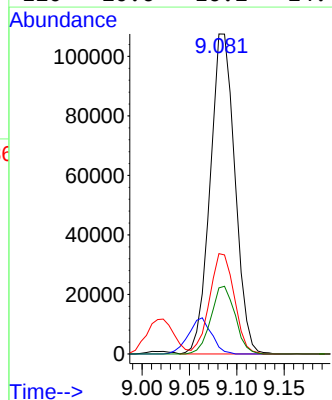
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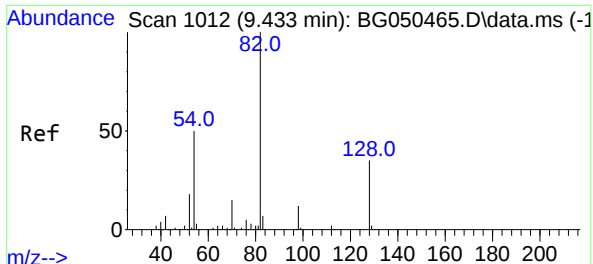


#22  
Acetophenone  
Concen: 38.50 ng  
RT: 9.081 min Scan# 952  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:105 Resp: 195525  
Ion Ratio Lower Upper  
105 100  
71 2.2 0.6 0.8#  
51 31.3 26.6 40.0  
120 20.6 16.2 24.4





#23  
Nitrobenzene-d5  
Concen: 74.75 ng  
RT: 9.434 min Scan# 1012  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

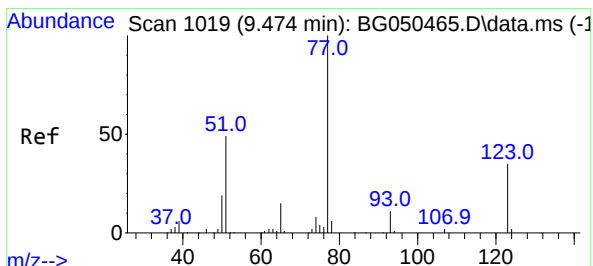
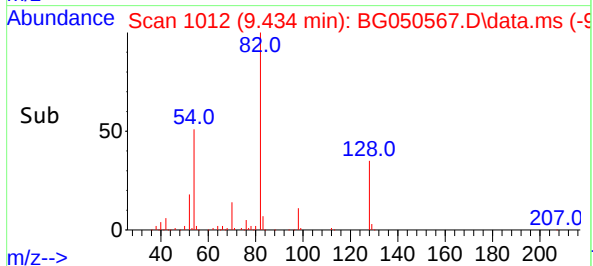
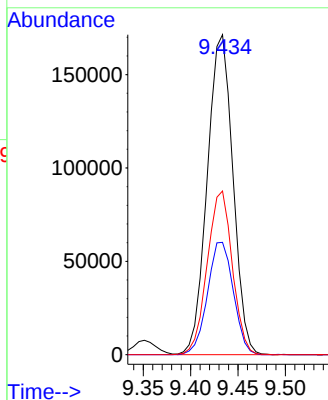
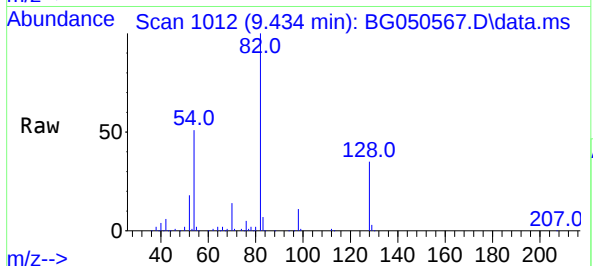
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 82    | Resp: | 322559 |
| Ion      | Ratio | Lower | Upper  |
| 82       | 100   |       |        |
| 128      | 35.1  | 29.8  | 44.6   |
| 54       | 51.1  | 45.8  | 68.8   |

Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

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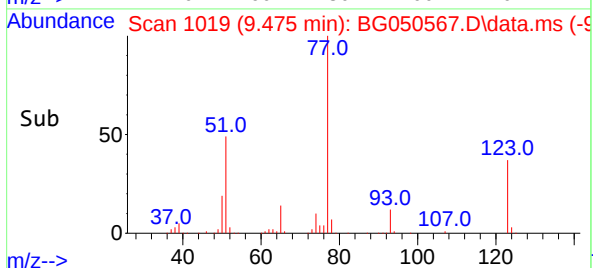
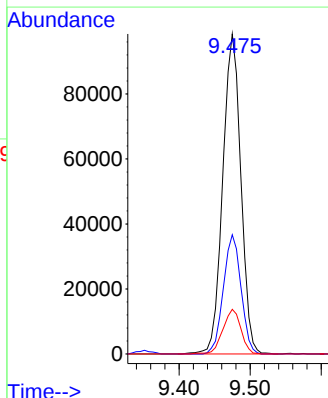
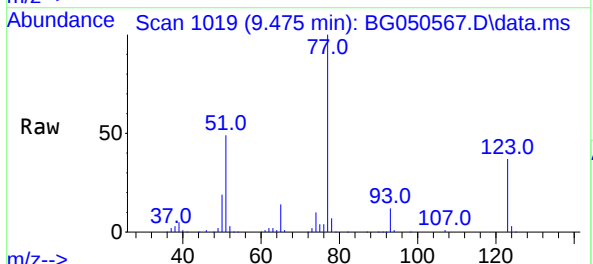
mohammad  
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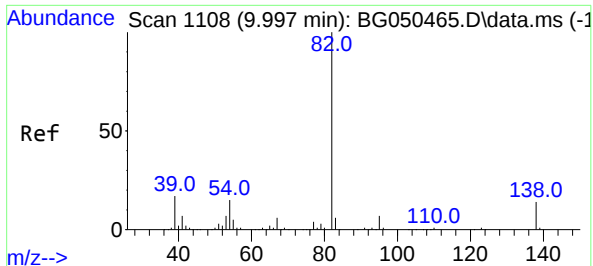
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#24  
Nitrobenzene  
Concen: 40.48 ng  
RT: 9.475 min Scan# 1019  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 173697 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 123      | 37.3  | 27.5  | 41.3   |
| 65       | 13.9  | 12.6  | 18.8   |





#25  
Isophorone  
Concen: 40.43 ng  
RT: 9.998 min Scan# 1108  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

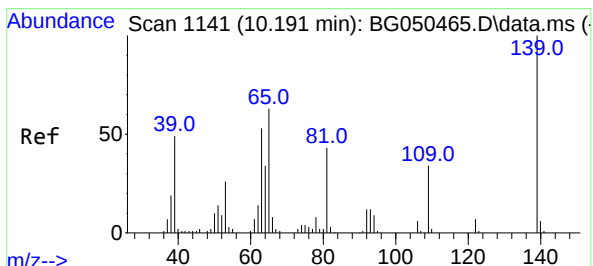
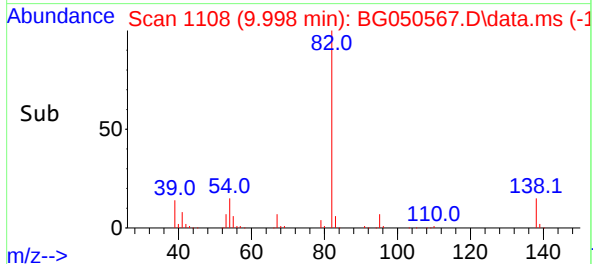
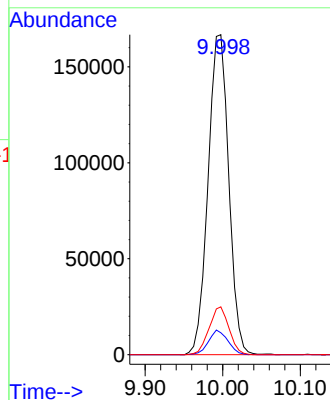
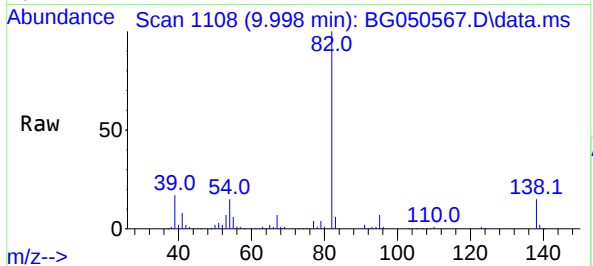
Tgt Ion: 82 Resp: 309436  
Ion Ratio Lower Upper  
82 100  
95 6.9 8.5 12.7#  
138 15.0 11.8 17.6

Instrument :  
BNA\_G  
ClientSampled :  
PB139688BS

Manual Integrations  
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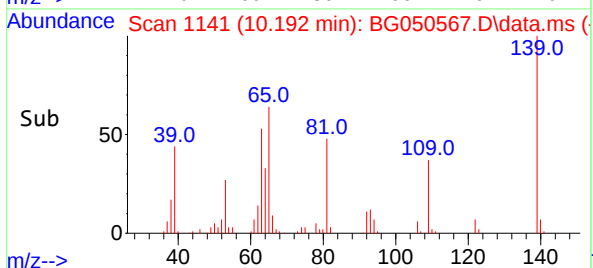
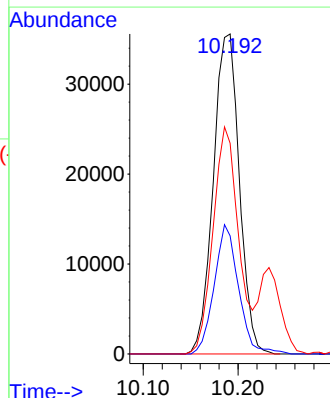
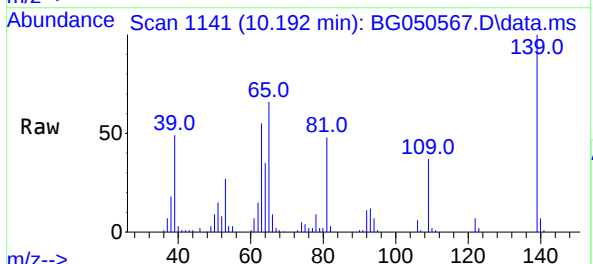
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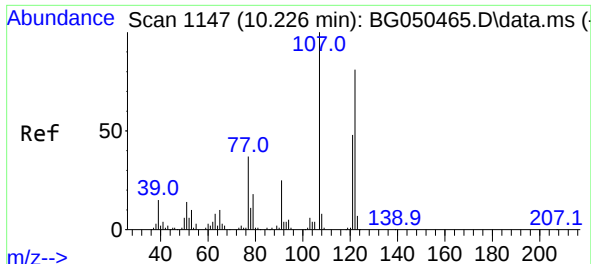
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#26  
2-Nitrophenol  
Concen: 43.11 ng  
RT: 10.192 min Scan# 1141  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

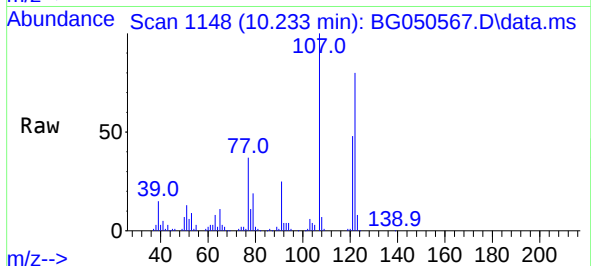
Tgt Ion:139 Resp: 67920  
Ion Ratio Lower Upper  
139 100  
109 36.9 37.8 56.6#  
65 65.9 51.8 77.8





#27  
2,4-Dimethylphenol  
Concen: 47.96 ng  
RT: 10.233 min Scan# 1148  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

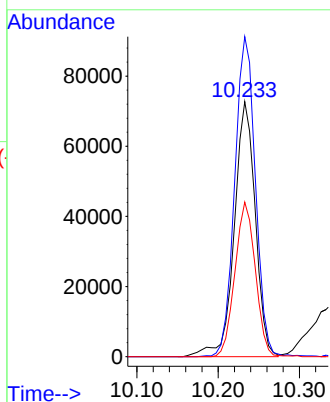
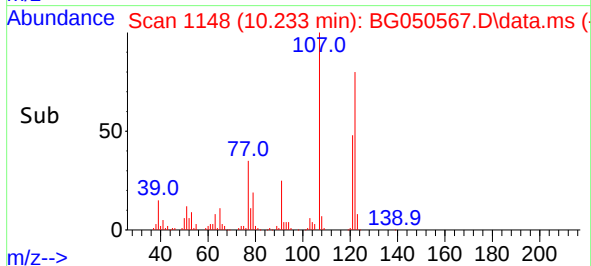
Instrument :  
BNA\_G  
ClientSampled :  
PB139688BS



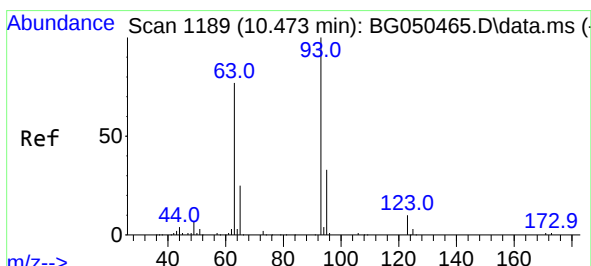
Tgt Ion:122 Resp: 130535  
Ion Ratio Lower Upper  
122 100  
107 125.5 110.1 165.1  
121 60.6 49.0 73.6

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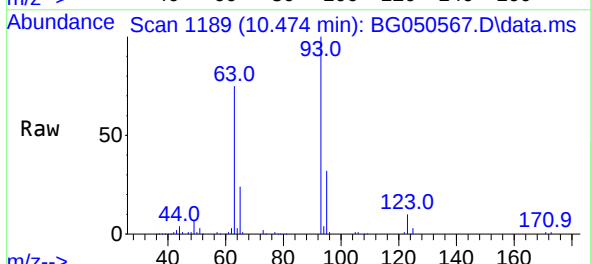
mohammad  
10/14/2021 10:54:15 AM



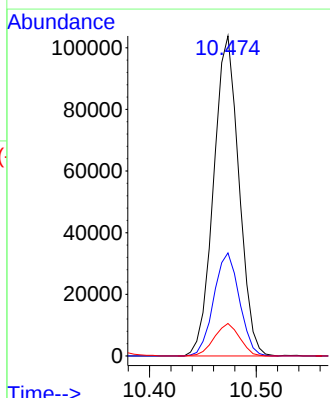
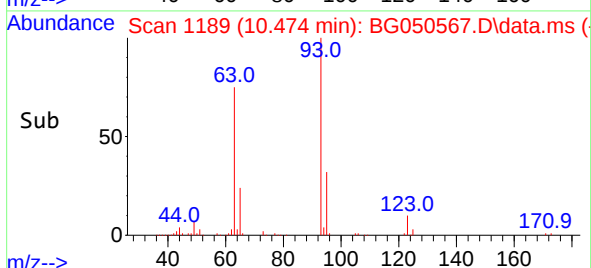
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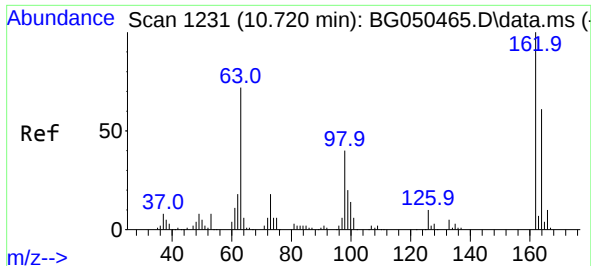


#28  
bis(2-Chloroethoxy)methane  
Concen: 39.10 ng  
RT: 10.474 min Scan# 1189  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion: 93 Resp: 171126  
Ion Ratio Lower Upper  
93 100  
95 32.2 22.2 33.4  
123 10.2 8.8 13.2





#29  
2,4-Dichlorophenol  
Concen: 44.51 ng  
RT: 10.720 min Scan# 1231  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

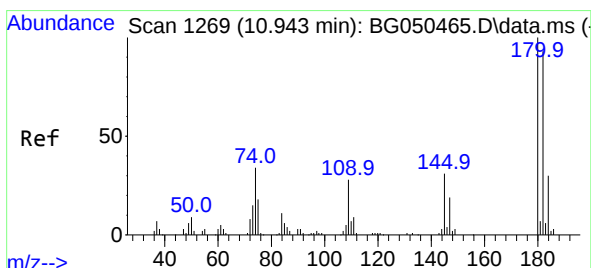
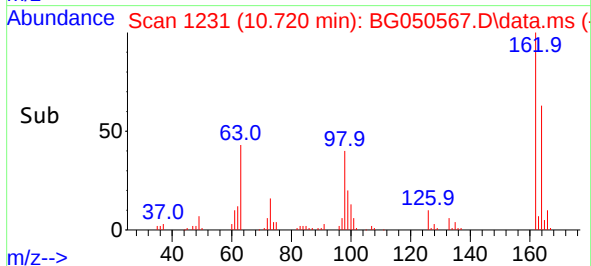
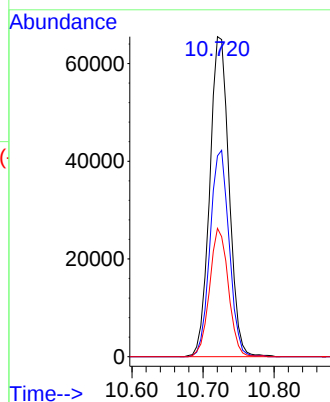
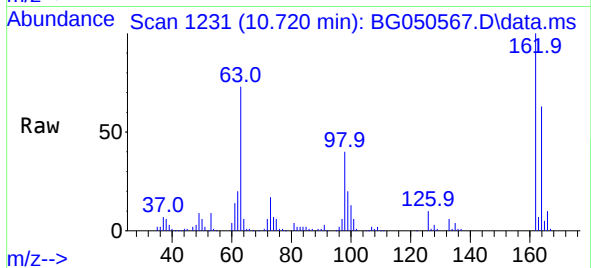
Tgt Ion:162 Resp: 123480  
Ion Ratio Lower Upper  
162 100  
164 62.8 39.4 79.4  
98 40.1 18.7 58.7

Instrument :  
BNA\_G  
ClientSampled :  
PB139688BS

Manual Integrations  
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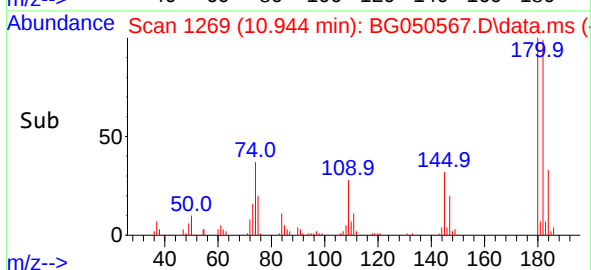
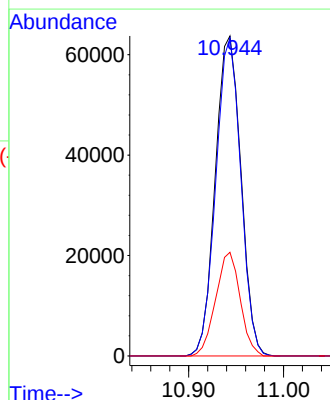
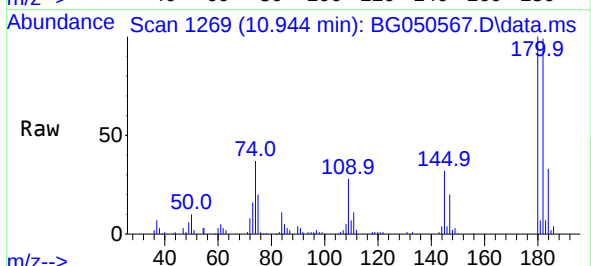
mohammad  
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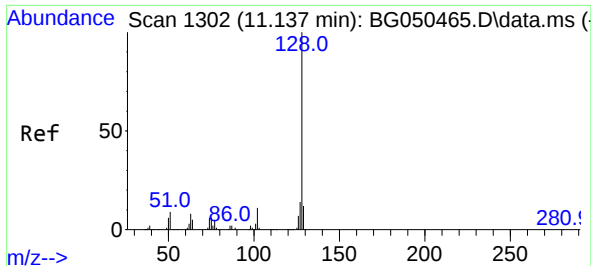
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#30  
1,2,4-Trichlorobenzene  
Concen: 38.01 ng  
RT: 10.944 min Scan# 1269  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:180 Resp: 119787  
Ion Ratio Lower Upper  
180 100  
182 99.4 78.9 118.3  
145 32.4 26.2 39.4





#31  
Naphthalene  
Concen: 39.98 ng  
RT: 11.137 min Scan# 1302  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

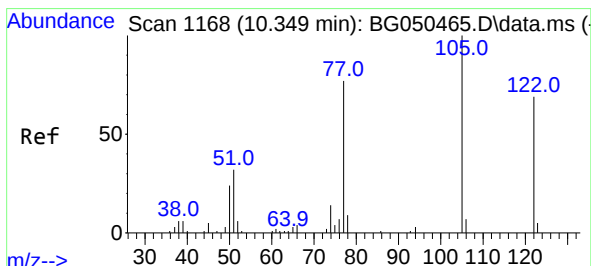
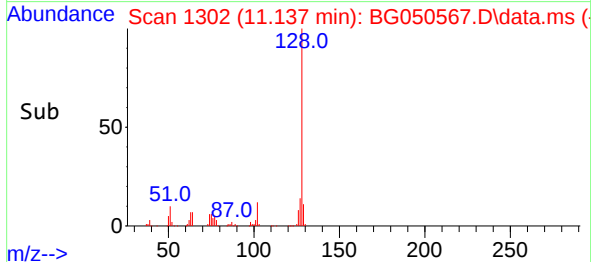
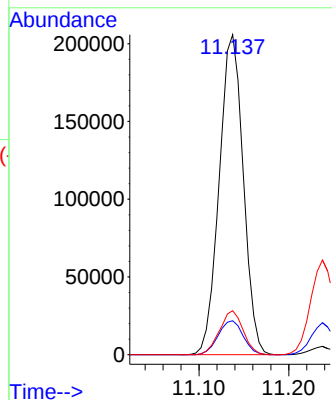
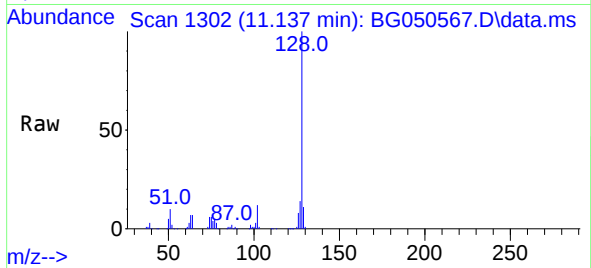
Tgt Ion:128 Resp: 382311  
Ion Ratio Lower Upper  
128 100  
129 10.6 8.5 12.7  
127 13.8 10.2 15.4

Instrument :  
BNA\_G  
ClientSampled :  
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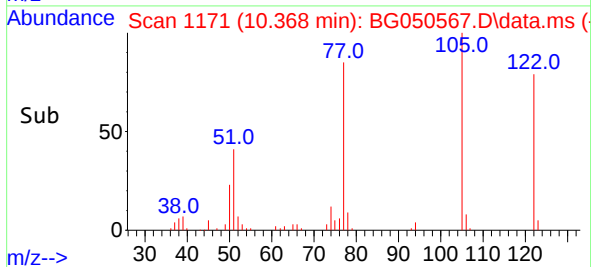
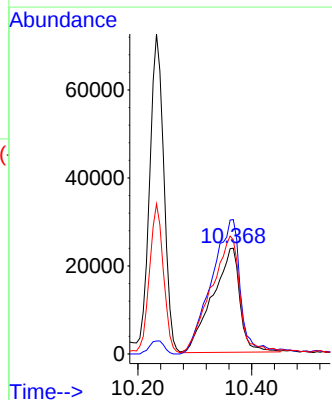
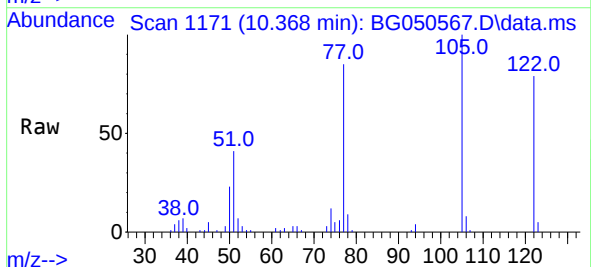
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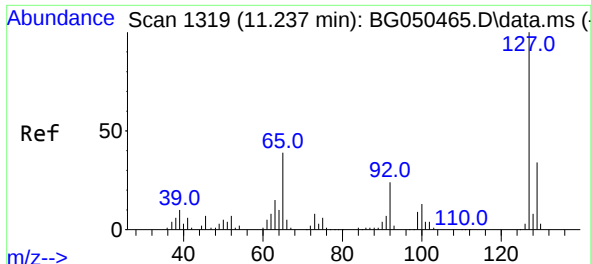
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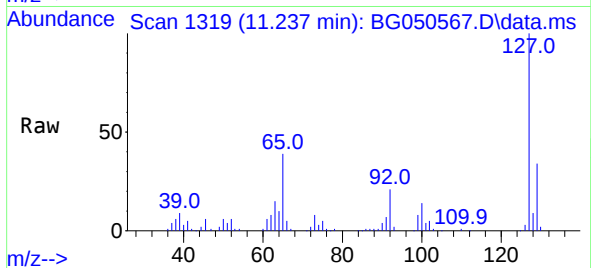
#32  
Benzoic acid  
Concen: 39.31 ng  
RT: 10.368 min Scan# 1171  
Delta R.T. 0.018 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:122 Resp: 79412  
Ion Ratio Lower Upper  
122 100  
105 127.2 92.3 132.3  
77 107.9 66.5 106.5#

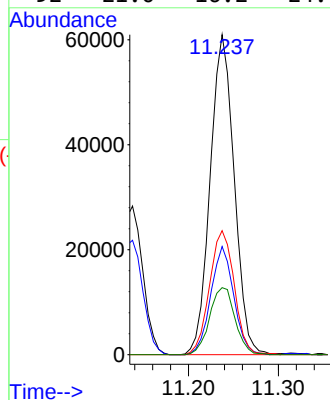




#33  
4-Chloroaniline  
Concen: 28.27 ng  
RT: 11.237 min Scan# 1319  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 127   | Resp: | 113421 |
| Ion      | Ratio | Lower | Upper  |
| 127      | 100   |       |        |
| 129      | 33.8  | 26.7  | 40.1   |
| 65       | 38.7  | 32.8  | 49.2   |
| 92       | 21.0  | 16.2  | 24.4   |

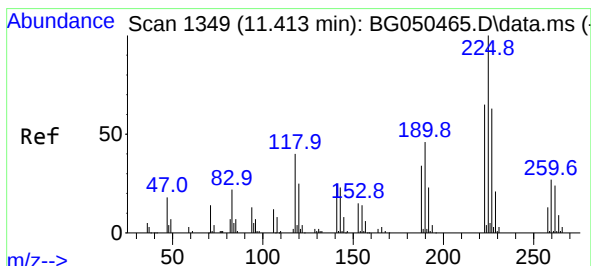


Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

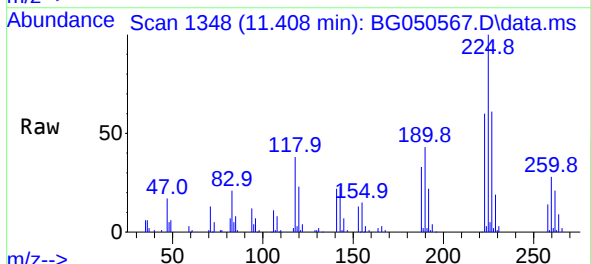
Manual Integrations  
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10/14/2021 10:54:15 AM

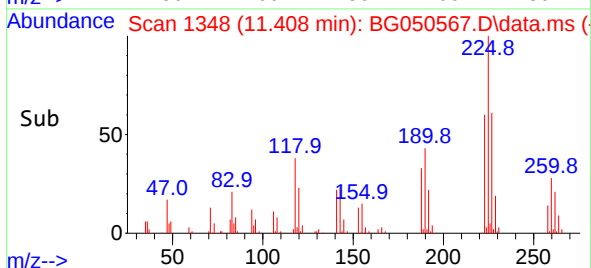
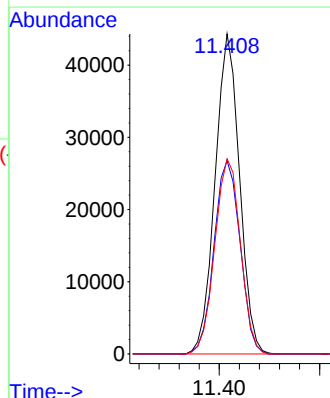
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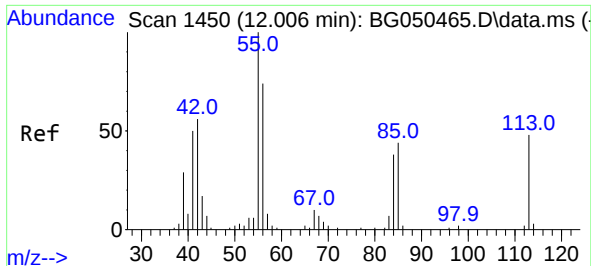


#34  
Hexachlorobutadiene  
Concen: 37.79 ng  
RT: 11.408 min Scan# 1348  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 74768 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 60.4  | 49.8  | 74.8  |
| 227      | 61.0  | 46.4  | 69.6  |





#35  
Caprolactam  
Concen: 45.56 ng m  
RT: 12.007 min Scan# 1450  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

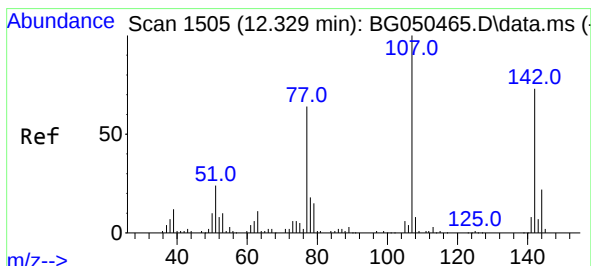
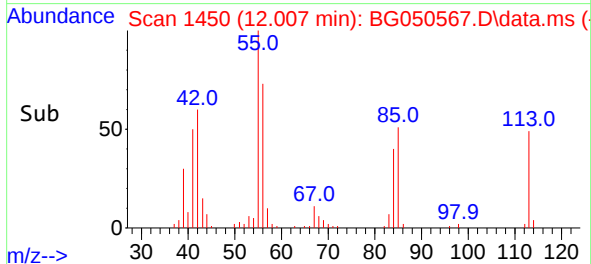
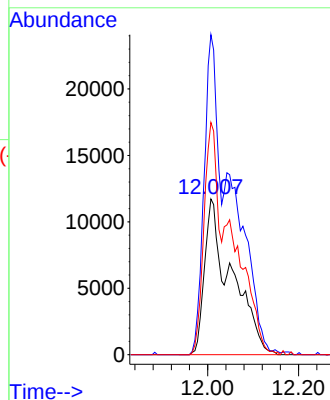
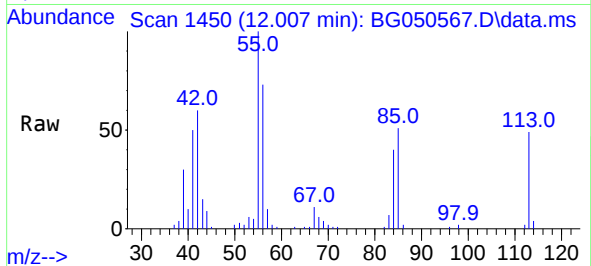
Tgt Ion:113 Resp: 48375  
Ion Ratio Lower Upper  
113 100  
55 205.7 113.8 153.8#  
56 149.2 105.6 145.6#

Instrument :  
BNA\_G  
ClientSampleId :  
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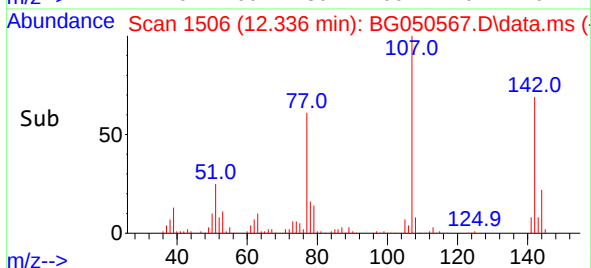
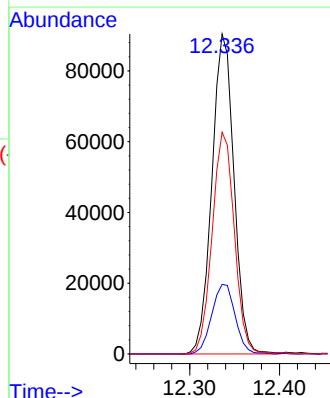
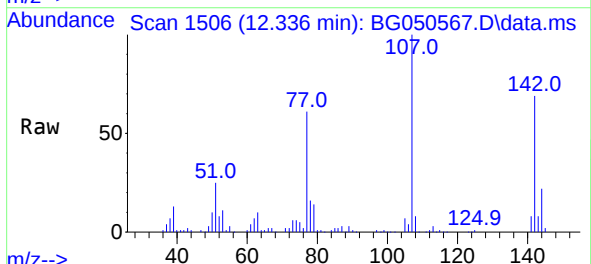
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10/14/2021 10:54:15 AM

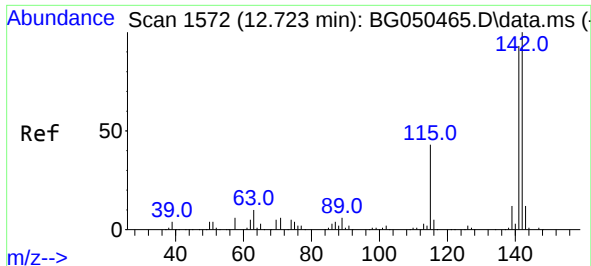
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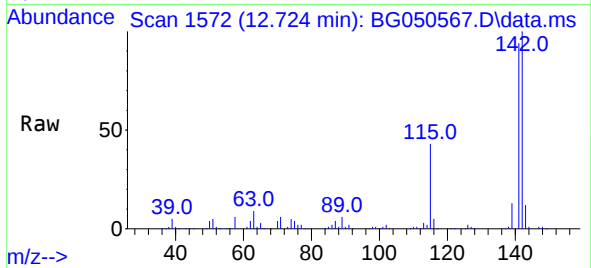
#36  
4-Chloro-3-methylphenol  
Concen: 44.59 ng  
RT: 12.336 min Scan# 1506  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:107 Resp: 154616  
Ion Ratio Lower Upper  
107 100  
144 21.7 24.8 37.2#  
142 69.3 62.2 93.4

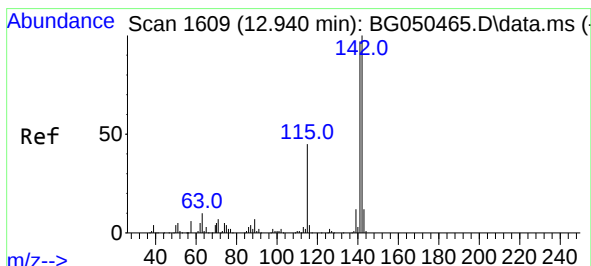
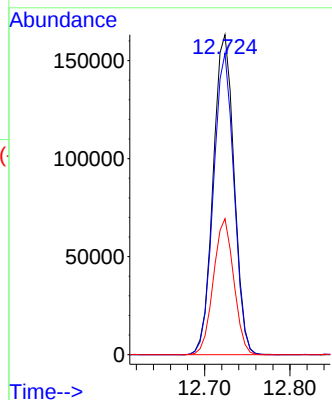
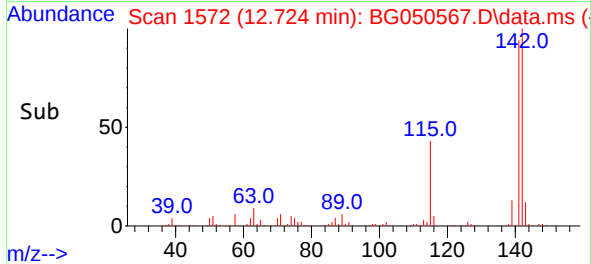




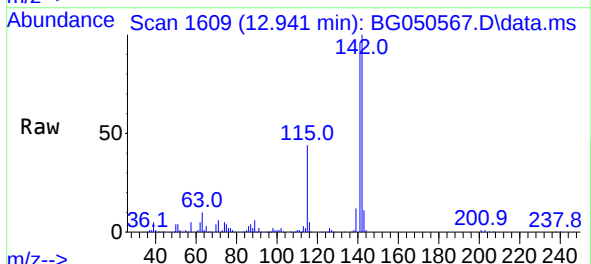
#37  
2-Methylnaphthalene  
Concen: 42.18 ng  
RT: 12.724 min Scan# 1572  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



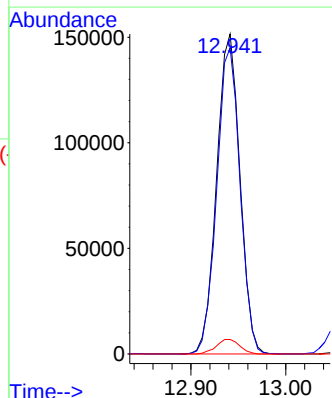
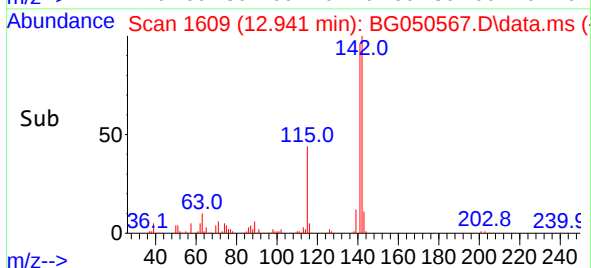
Tgt Ion:142 Resp: 278292  
Ion Ratio Lower Upper  
142 100  
141 94.2 68.8 103.2  
115 42.5 36.4 54.6



#38  
1-Methylnaphthalene  
Concen: 40.37 ng  
RT: 12.941 min Scan# 1609  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:142 Resp: 258235  
Ion Ratio Lower Upper  
142 100  
141 95.7 70.6 106.0  
116 4.5 4.0 6.0



Instrument :  
BNA\_G  
ClientSampleId :  
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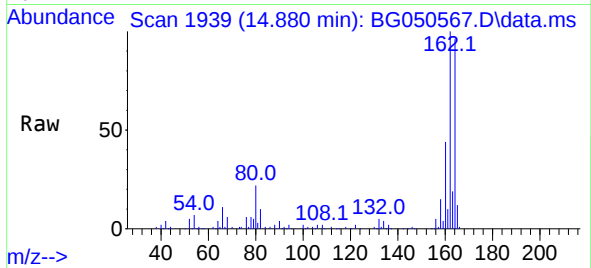
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#39  
Acenaphthene-d10  
Concen: 20.00 ng  
RT: 14.880 min Scan# 1939  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

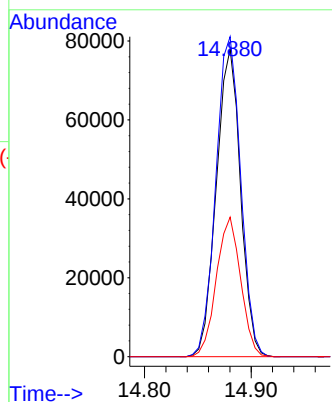
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BNA\_G  
ClientSampleId :  
PB139688BS



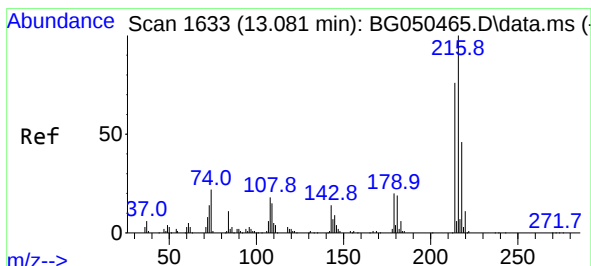
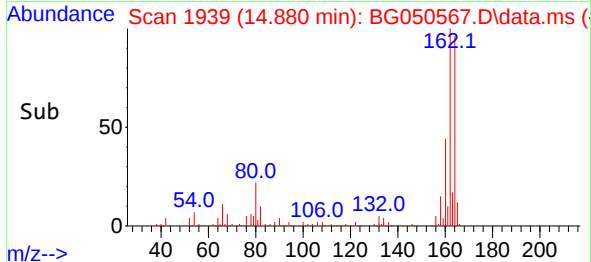
Tgt Ion:164 Resp: 122655  
Ion Ratio Lower Upper  
164 100  
162 104.0 81.4 122.0  
160 45.4 34.9 52.3

Manual Integrations  
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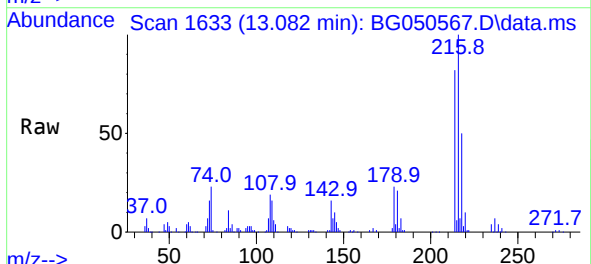
mohammad  
10/14/2021 10:54:15 AM



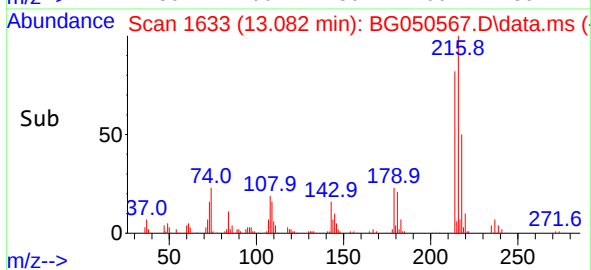
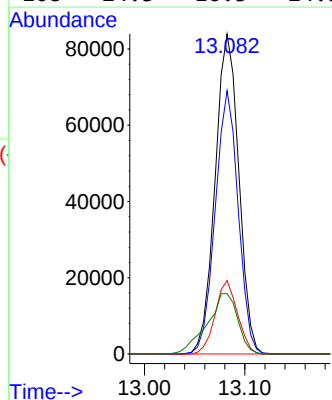
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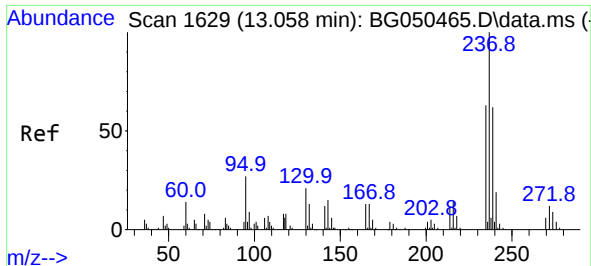


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 37.98 ng  
RT: 13.082 min Scan# 1633  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

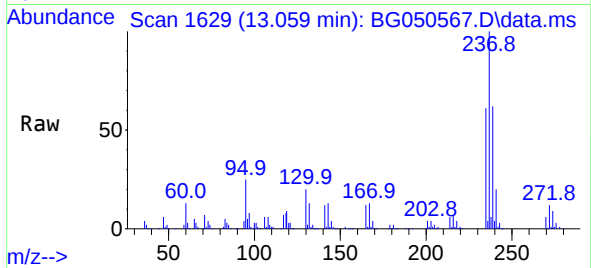


Tgt Ion:216 Resp: 137565  
Ion Ratio Lower Upper  
216 100  
214 79.6 61.4 92.2  
179 21.7 17.3 25.9  
108 24.3 16.3 24.5

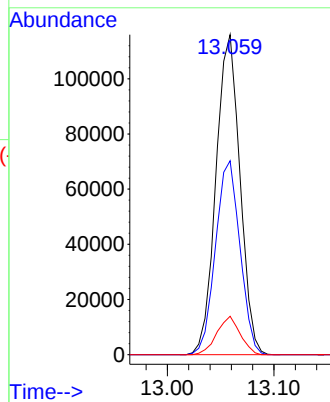
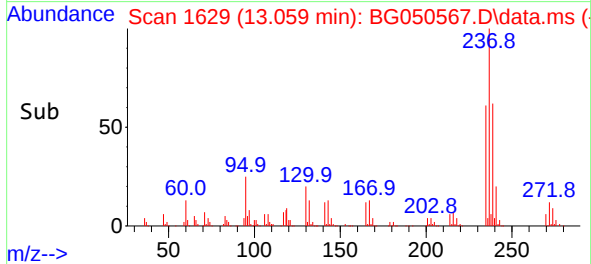




#41  
Hexachlorocyclopentadiene  
Concen: 86.63 ng  
RT: 13.059 min Scan# 1629  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:237 Resp: 181348  
Ion Ratio Lower Upper  
237 100  
235 60.6 36.6 76.6  
272 12.0 0.0 32.5

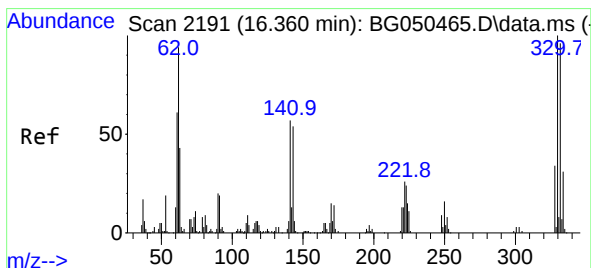


Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

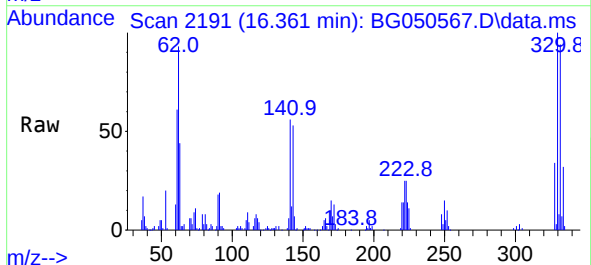
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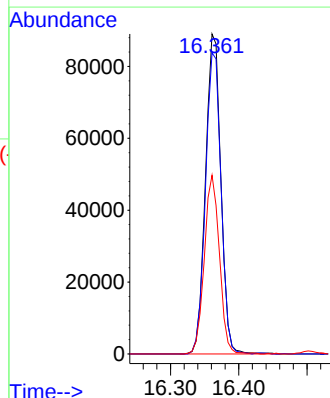
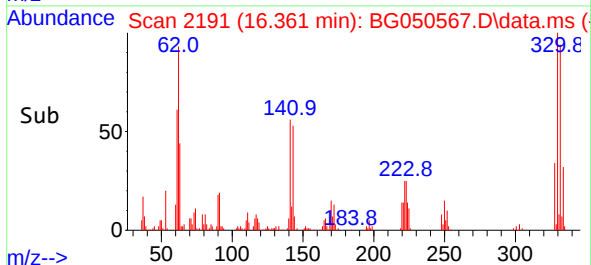
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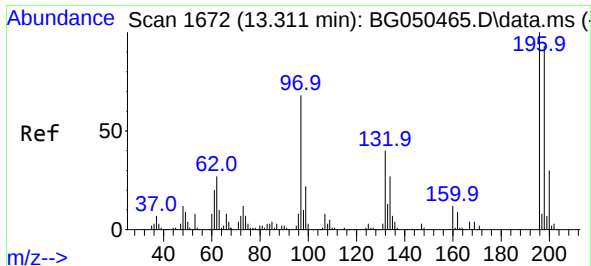


#42  
2,4,6-Tribromophenol  
Concen: 119.21 ng  
RT: 16.361 min Scan# 2191  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:330 Resp: 139470  
Ion Ratio Lower Upper  
330 100  
332 95.5 77.3 115.9  
141 54.9 35.6 53.4#





#43  
2,4,6-Trichlorophenol  
Concen: 40.99 ng  
RT: 13.317 min Scan# 1673  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

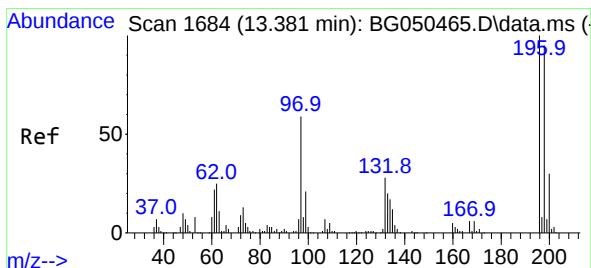
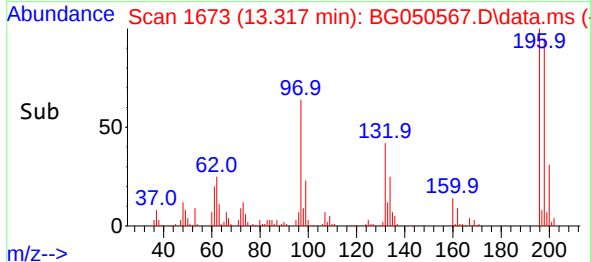
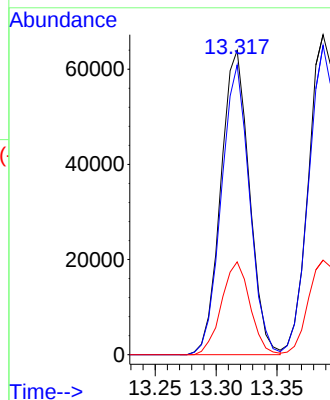
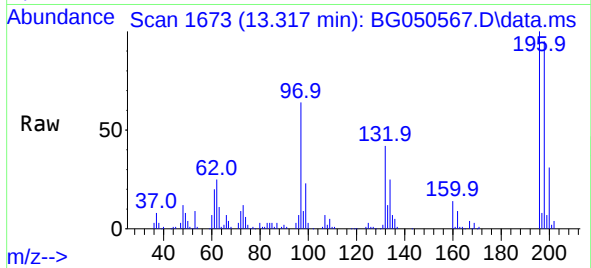
Tgt Ion:196 Resp: 104614  
Ion Ratio Lower Upper  
196 100  
198 95.2 82.1 123.1  
200 30.5 23.8 35.8

Instrument :  
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ClientSampleId :  
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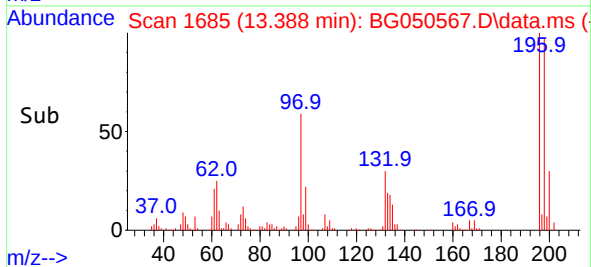
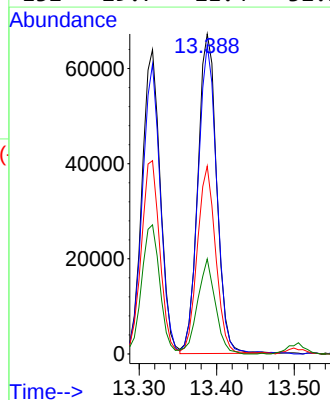
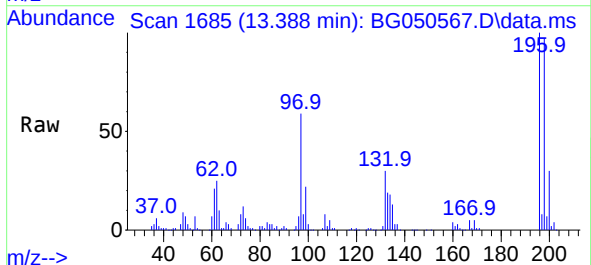
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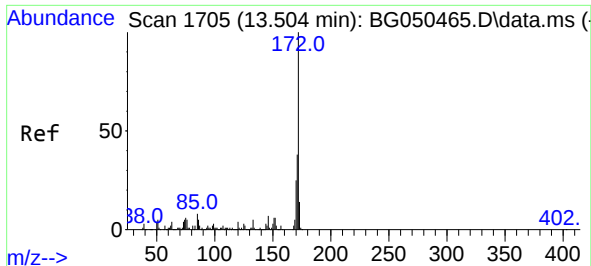
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#44  
2,4,5-Trichlorophenol  
Concen: 42.49 ng  
RT: 13.388 min Scan# 1685  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:196 Resp: 113380  
Ion Ratio Lower Upper  
196 100  
198 96.7 87.4 131.0  
97 58.7 43.3 64.9  
132 29.7 21.4 32.2





#45  
2-Fluorobiphenyl  
Concen: 74.13 ng  
RT: 13.505 min Scan# 1705  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

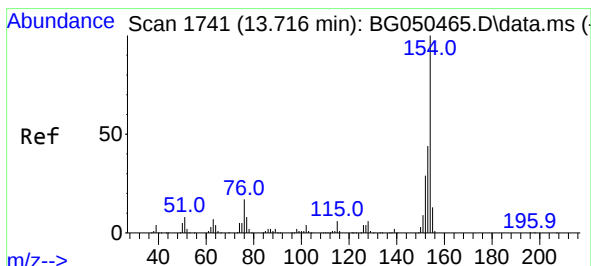
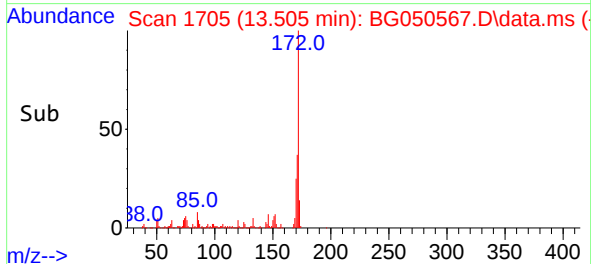
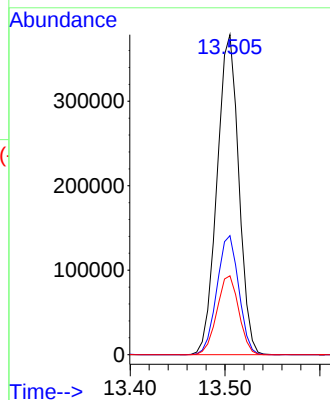
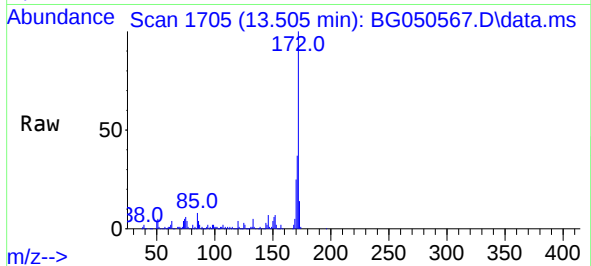
Tgt Ion:172 Resp: 604165  
Ion Ratio Lower Upper  
172 100  
171 37.2 28.6 43.0  
170 24.7 18.6 27.8

Instrument :  
BNA\_G  
ClientSampled :  
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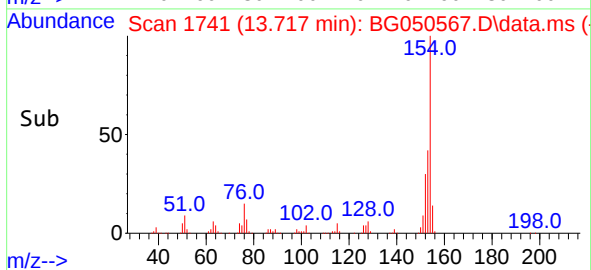
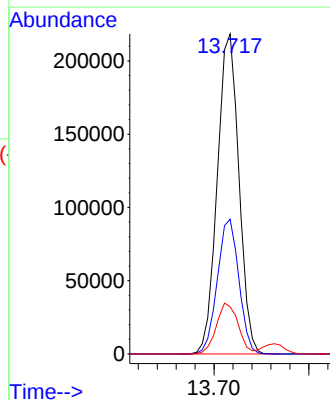
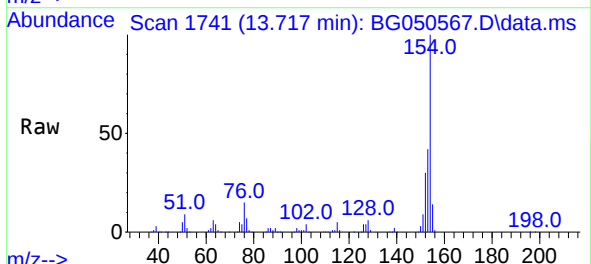
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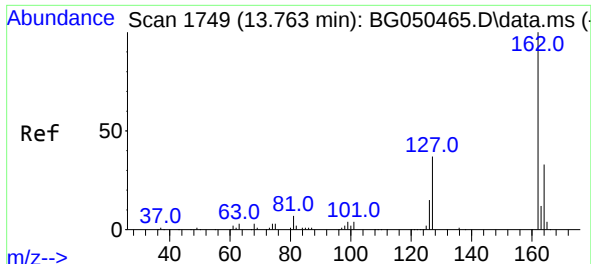
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#46  
1,1'-Biphenyl  
Concen: 38.68 ng  
RT: 13.717 min Scan# 1741  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

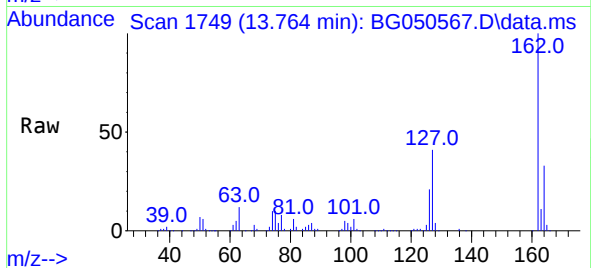
Tgt Ion:154 Resp: 346023  
Ion Ratio Lower Upper  
154 100  
153 42.1 20.5 60.5  
76 14.7 0.0 29.3





#47  
2-Chloronaphthalene  
Concen: 40.22 ng  
RT: 13.764 min Scan# 1749  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

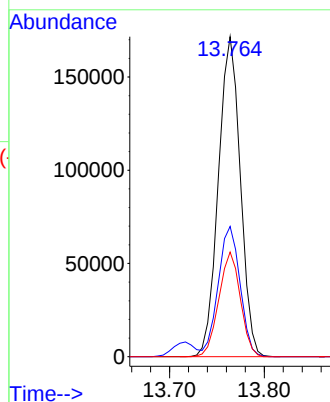
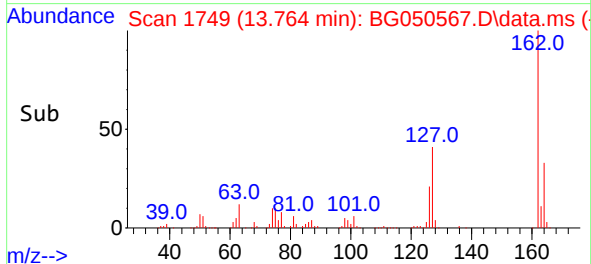
Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS



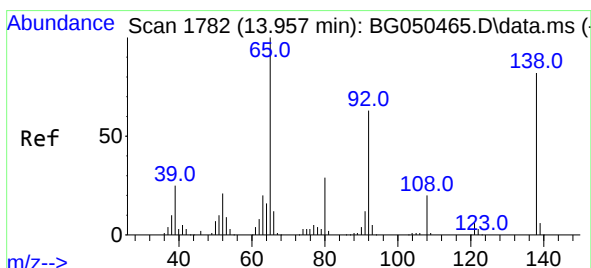
Tgt Ion:162 Resp: 276304  
Ion Ratio Lower Upper  
162 100  
127 40.7 32.7 49.1  
164 32.7 27.0 40.4

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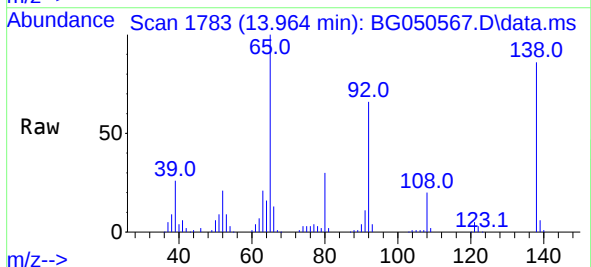
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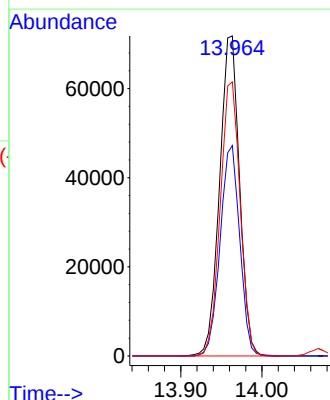
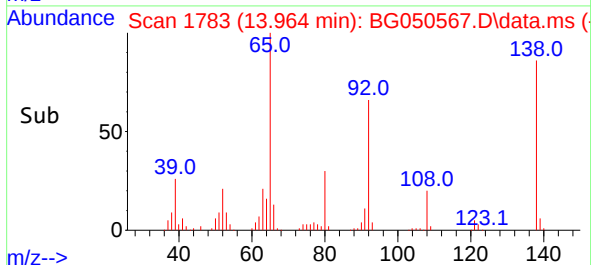
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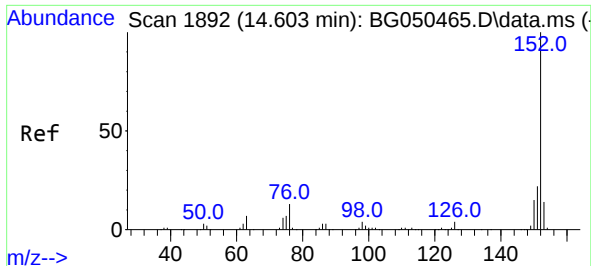


#48  
2-Nitroaniline  
Concen: 44.79 ng  
RT: 13.964 min Scan# 1783  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

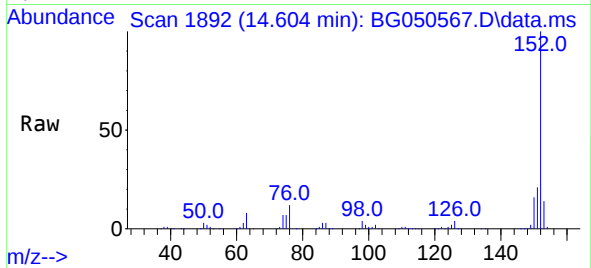


Tgt Ion: 65 Resp: 122412  
Ion Ratio Lower Upper  
65 100  
92 65.7 47.2 70.8  
138 85.7 68.0 102.0

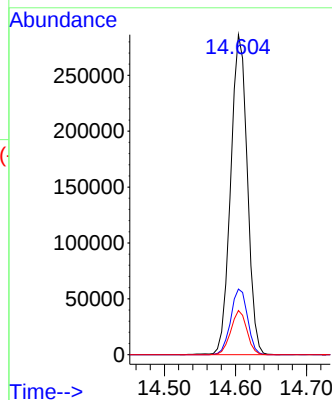
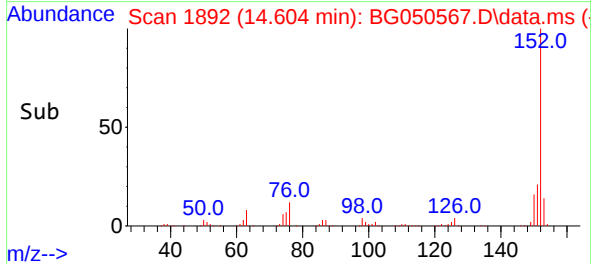




#49  
Acenaphthylene  
Concen: 41.29 ng  
RT: 14.604 min Scan# 1892  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:152 Resp: 464722  
Ion Ratio Lower Upper  
152 100  
151 20.5 18.2 27.4  
153 13.8 11.7 17.5

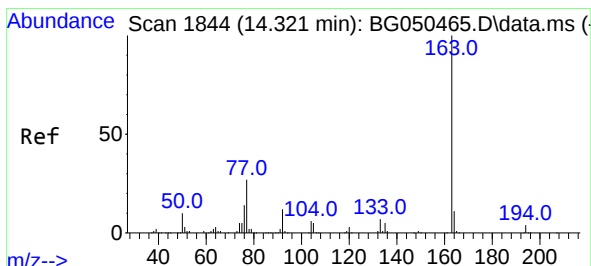


Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

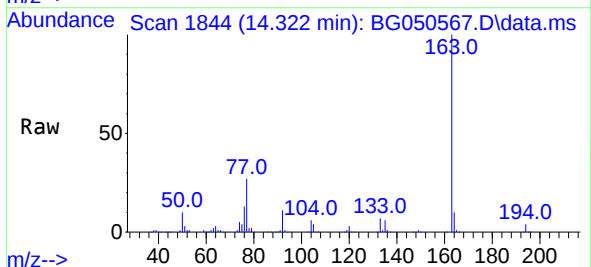
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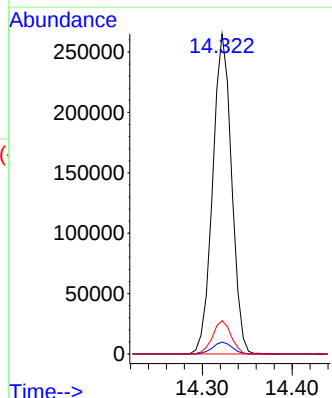
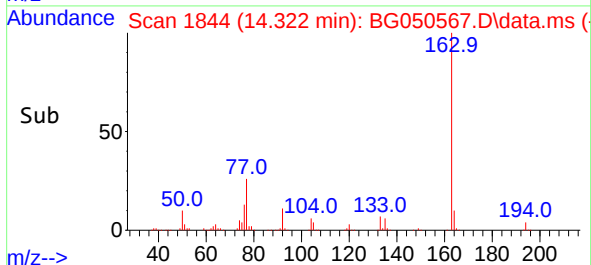
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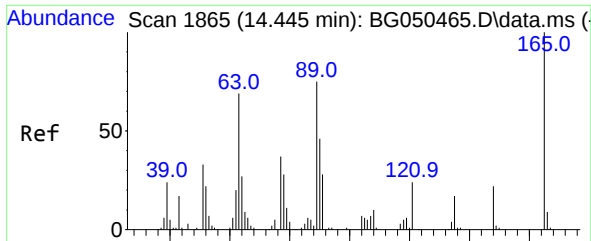


#50  
Dimethylphthalate  
Concen: 41.73 ng  
RT: 14.322 min Scan# 1844  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

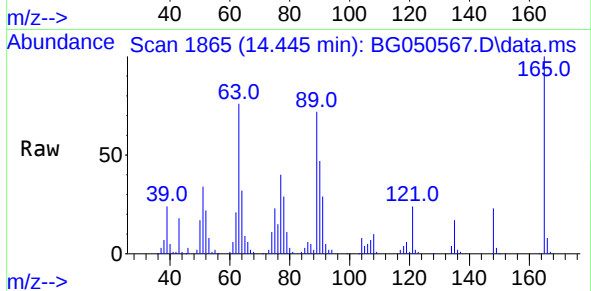


Tgt Ion:163 Resp: 386845  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.0 4.6  
164 10.4 8.6 12.8

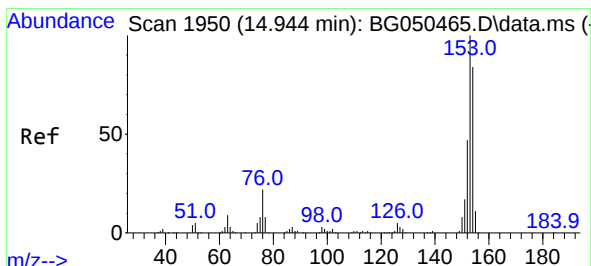
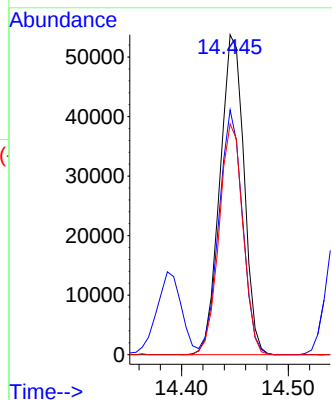
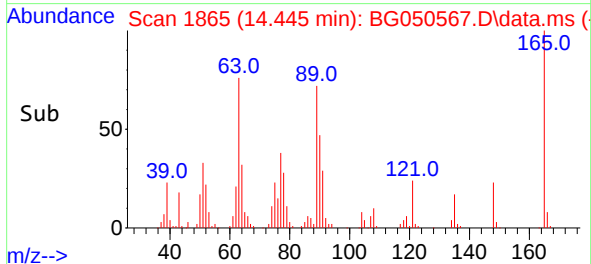




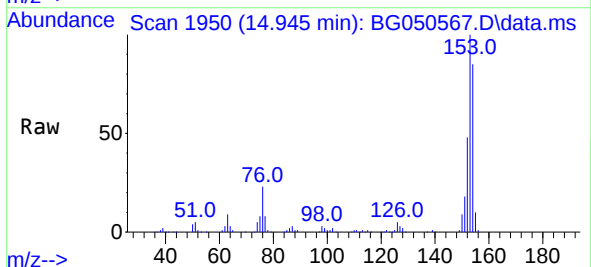
#51  
2,6-Dinitrotoluene  
Concen: 45.26 ng  
RT: 14.445 min Scan# 1865  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



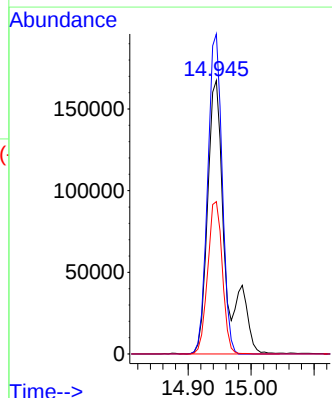
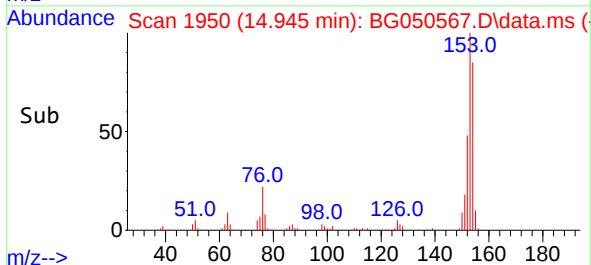
Tgt Ion:165 Resp: 84050  
Ion Ratio Lower Upper  
165 100  
63 76.5 63.3 94.9  
89 72.1 63.4 95.0



#52  
Acenaphthene  
Concen: 46.26 ng m  
RT: 14.945 min Scan# 1950  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:154 Resp: 334620  
Ion Ratio Lower Upper  
154 100  
153 117.0 87.0 130.4  
152 55.7 40.1 60.1



Instrument :  
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#53  
3-Nitroaniline  
Concen: 33.54 ng  
RT: 14.780 min Scan# 1922  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

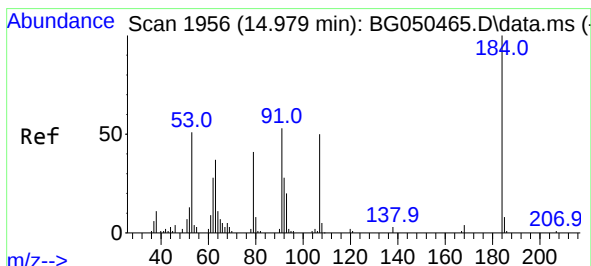
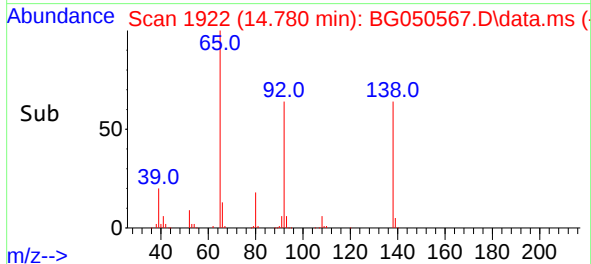
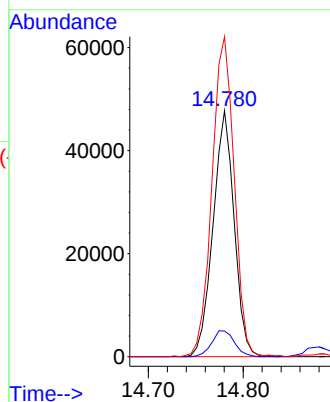
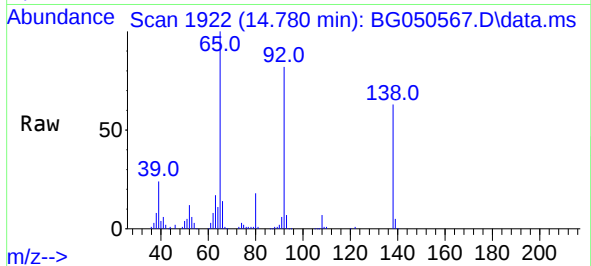
Tgt Ion:138 Resp: 73679  
Ion Ratio Lower Upper  
138 100  
108 10.4 8.3 12.5  
92 130.2 96.4 144.6

Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

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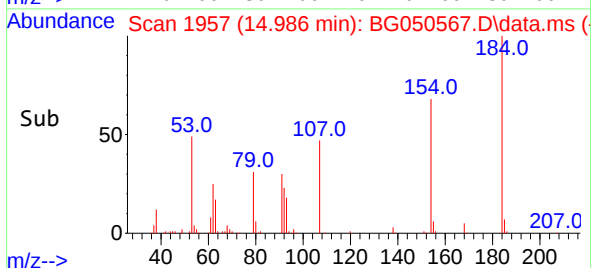
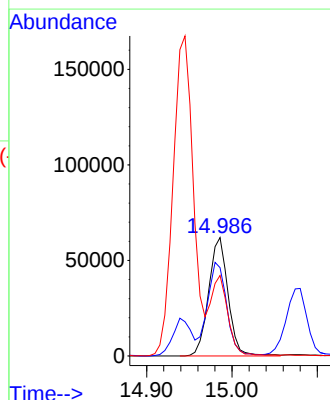
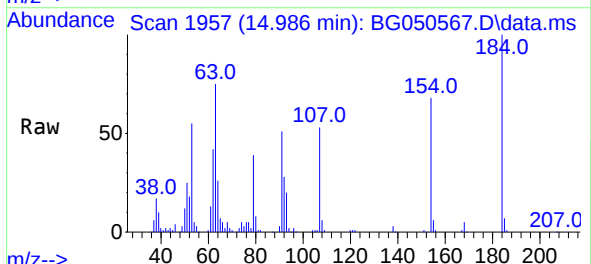
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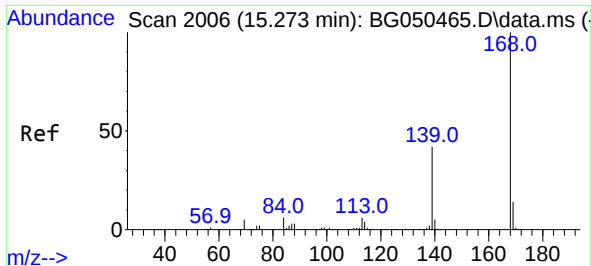
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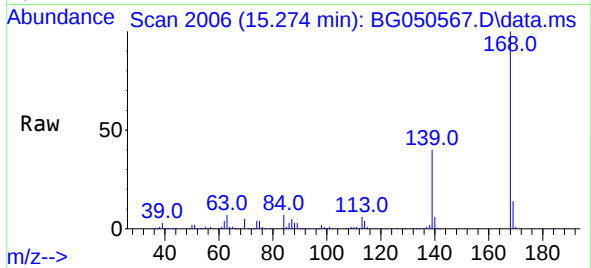
#54  
2,4-Dinitrophenol  
Concen: 85.29 ng  
RT: 14.986 min Scan# 1957  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:184 Resp: 98259  
Ion Ratio Lower Upper  
184 100  
63 74.7 68.3 102.5  
154 67.9 62.6 93.8

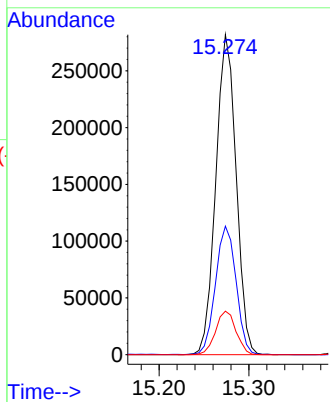
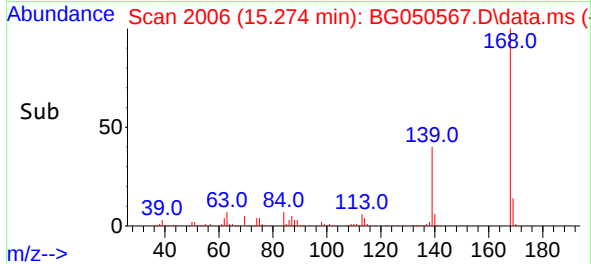




#55  
Dibenzenofuran  
Concen: 39.60 ng  
RT: 15.274 min Scan# 2006  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:168 Resp: 442986  
Ion Ratio Lower Upper  
168 100  
139 40.1 33.4 50.2  
169 13.6 12.3 18.5

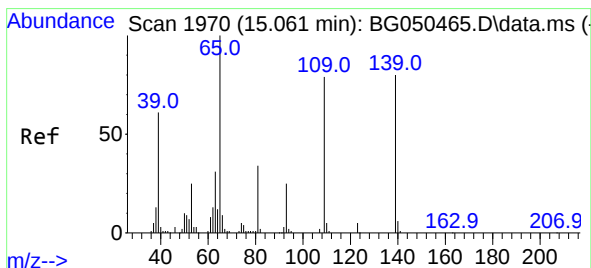


Instrument :  
BNA\_G  
ClientSampleId :  
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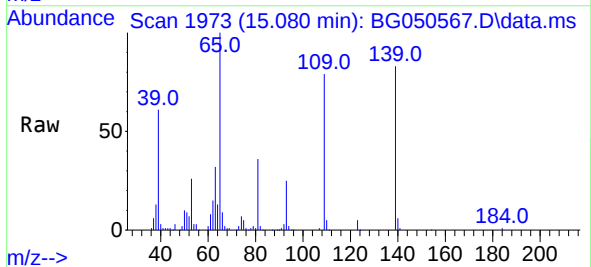
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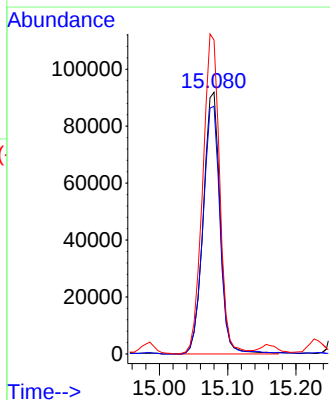
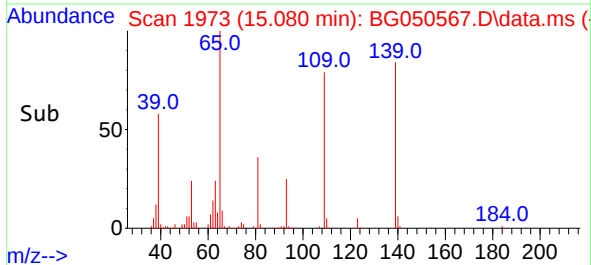
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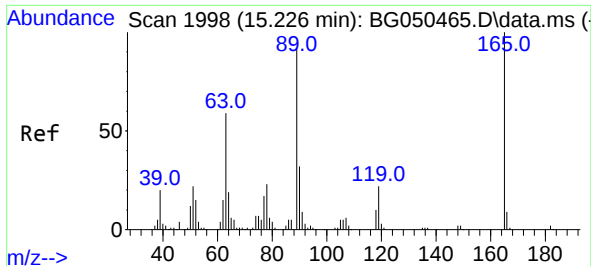


#56  
4-Nitrophenol  
Concen: 89.32 ng  
RT: 15.080 min Scan# 1973  
Delta R.T. 0.018 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



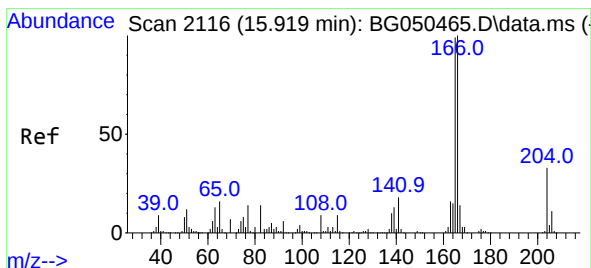
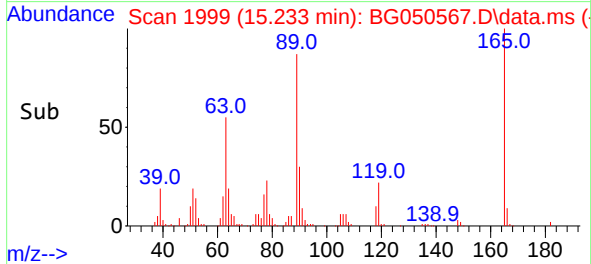
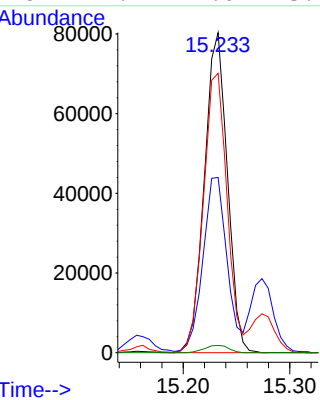
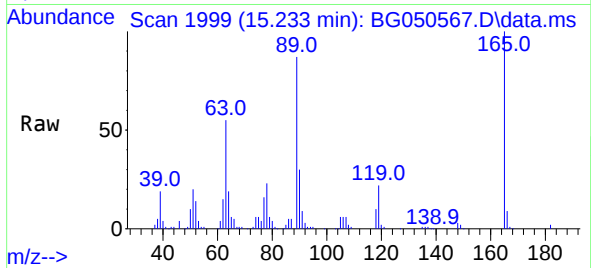
Tgt Ion:139 Resp: 157814  
Ion Ratio Lower Upper  
139 100  
109 94.7 116.3 156.3#  
65 120.0 105.0 145.0





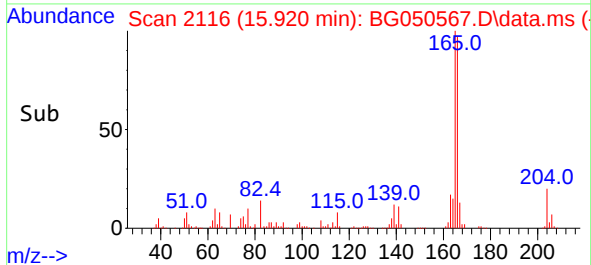
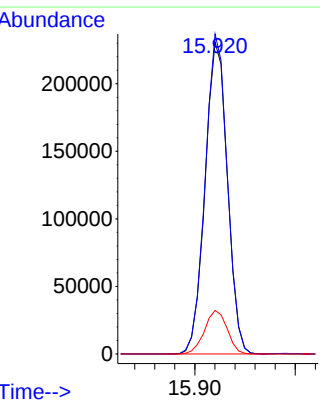
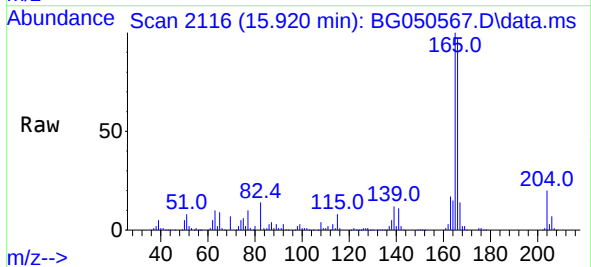
#57  
2,4-Dinitrotoluene  
Concen: 45.96 ng  
RT: 15.233 min Scan# 1999  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 120302 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 54.8  | 48.0  | 72.0   |
| 89       | 87.3  | 65.4  | 98.0   |
| 182      | 2.2   | 2.0   | 3.0    |



#58  
Fluorene  
Concen: 41.41 ng  
RT: 15.920 min Scan# 2116  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 355810 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 102.6 | 77.7  | 116.5  |
| 167      | 14.0  | 10.8  | 16.2   |

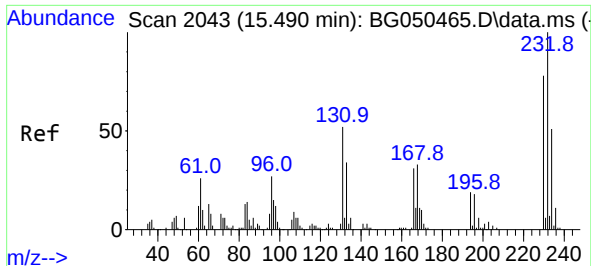


Instrument :  
BNA\_G  
ClientSampleId :  
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#59  
2,3,4,6-Tetrachlorophenol  
Concen: 41.37 ng  
RT: 15.491 min Scan# 2043  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

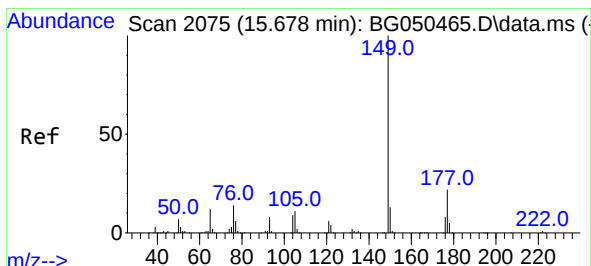
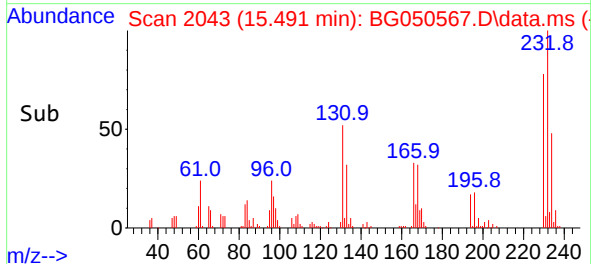
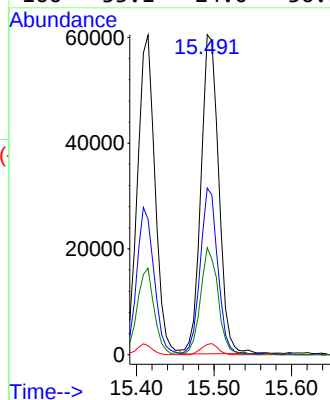
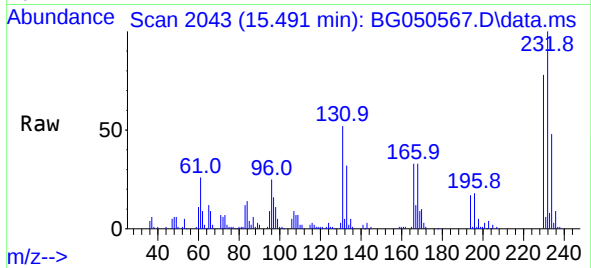
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 96172 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 51.0  | 37.2  | 55.8  |
| 130       | 3.2   | 2.8   | 4.2   |
| 166       | 33.1  | 24.0  | 36.0  |

Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

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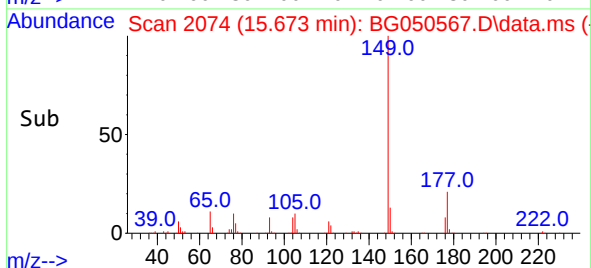
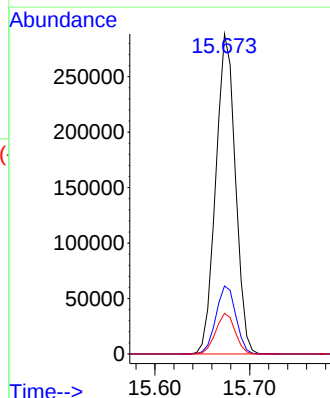
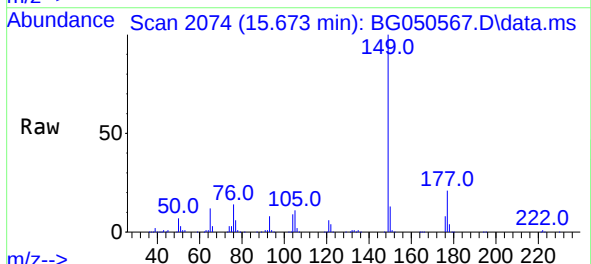
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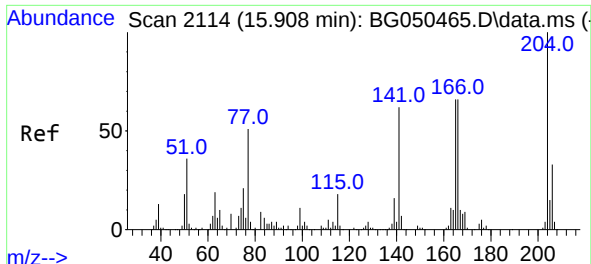
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#60  
Diethylphthalate  
Concen: 42.51 ng  
RT: 15.673 min Scan# 2074  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 414054 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 177       | 21.3  | 19.0  | 28.6   |
| 150       | 12.7  | 10.2  | 15.4   |





#61  
4-Chlorophenyl-phenylether  
Concen: 40.25 ng  
RT: 15.908 min Scan# 2114  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

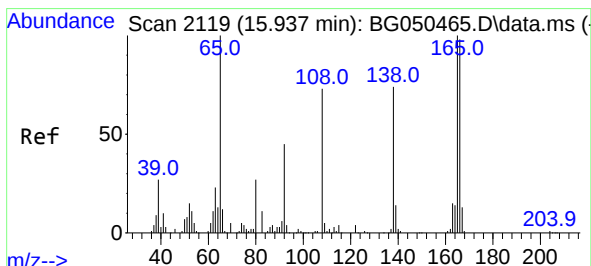
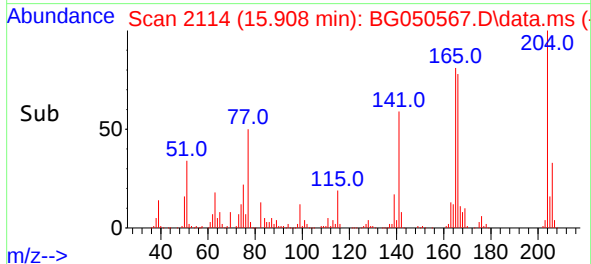
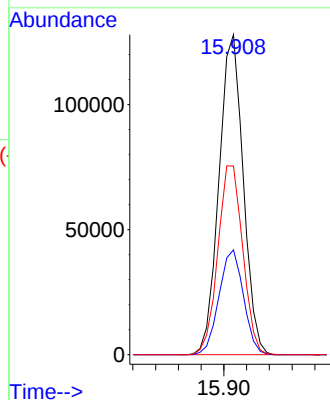
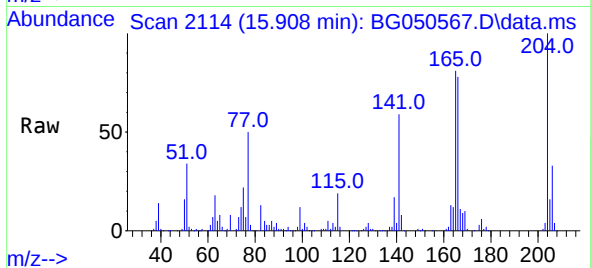
Tgt Ion:204 Resp: 189244  
Ion Ratio Lower Upper  
204 100  
206 32.7 24.6 37.0  
141 59.0 47.8 71.8

Instrument :  
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ClientSampled :  
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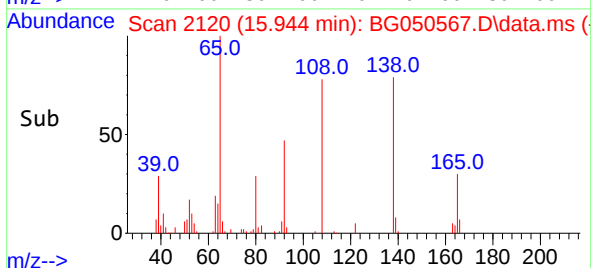
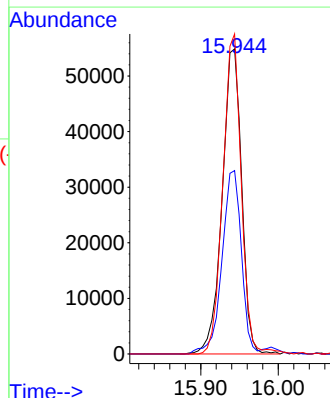
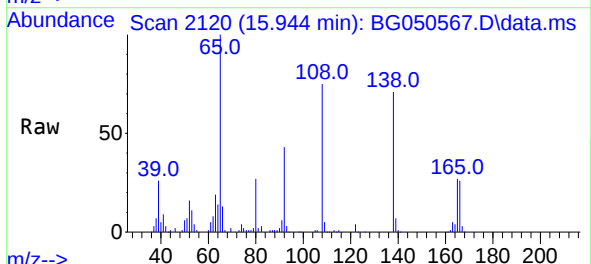
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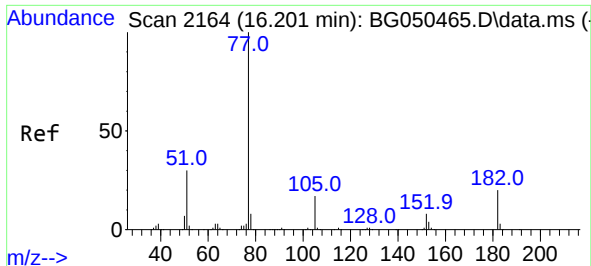
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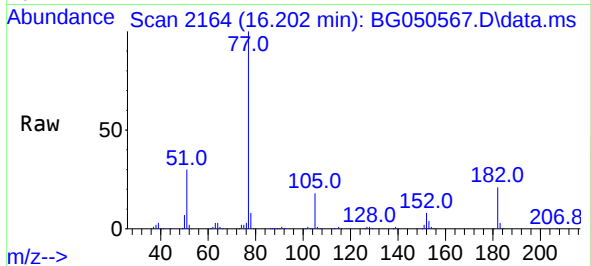
#62  
4-Nitroaniline  
Concen: 41.89 ng  
RT: 15.944 min Scan# 2120  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:138 Resp: 95723  
Ion Ratio Lower Upper  
138 100  
92 60.1 32.3 72.3  
108 104.9 132.4 172.4#

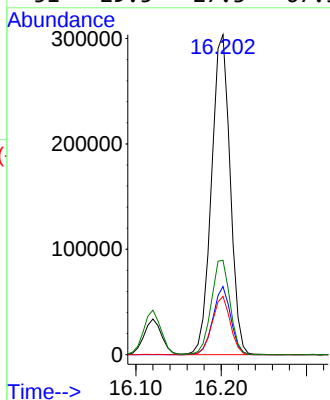
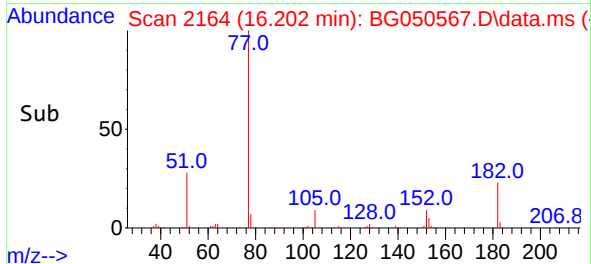




#63  
Azobenzene  
Concen: 40.85 ng  
RT: 16.202 min Scan# 2164  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion: 77 Resp: 460670  
Ion Ratio Lower Upper  
77 100  
182 21.3 7.9 47.9  
105 18.3 0.0 37.9  
51 29.5 27.3 67.3

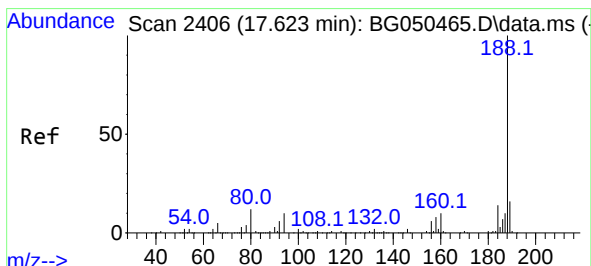


Instrument :  
BNA\_G  
ClientSampleId :  
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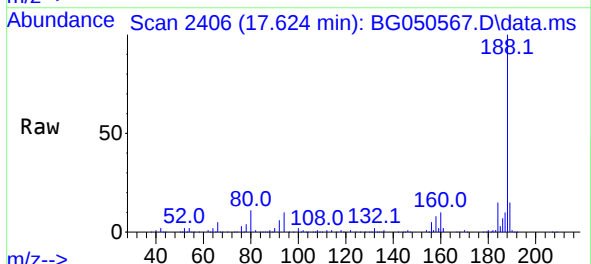
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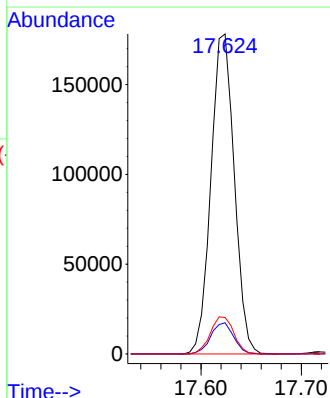
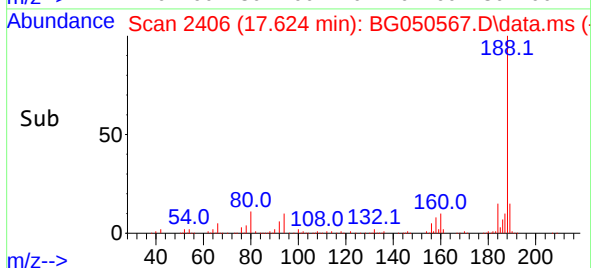
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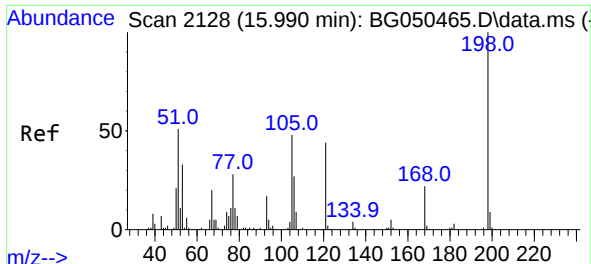


#64  
Phenanthrene-d10  
Concen: 20.00 ng  
RT: 17.624 min Scan# 2406  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion: 188 Resp: 287396  
Ion Ratio Lower Upper  
188 100  
94 9.7 5.4 8.0#  
80 11.4 3.7 5.5#





#65  
4,6-Dinitro-2-methylphenol  
Concen: 38.91 ng  
RT: 15.991 min Scan# 2128  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

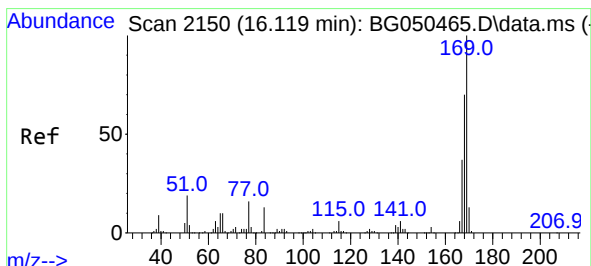
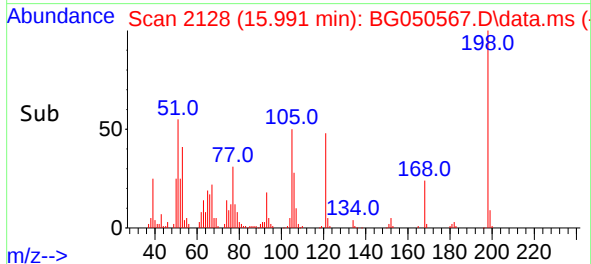
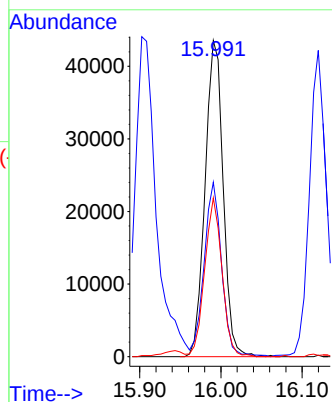
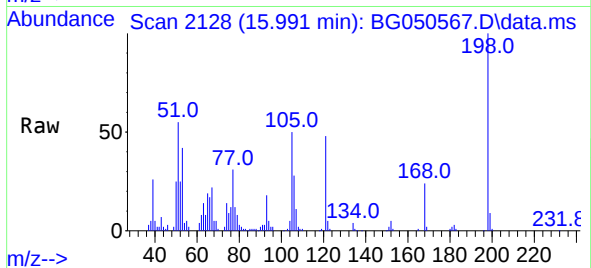
Tgt Ion:198 Resp: 67170  
Ion Ratio Lower Upper  
198 100  
51 55.2 29.4 69.4  
105 50.2 15.1 55.1

Instrument :  
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ClientSampleId :  
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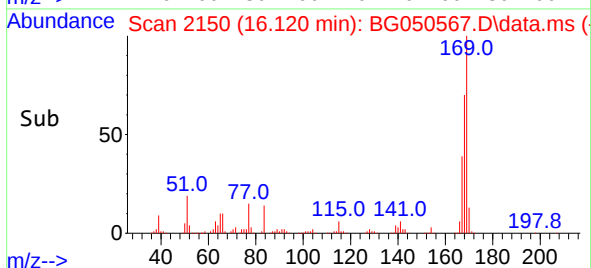
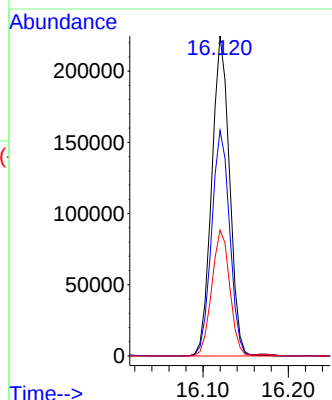
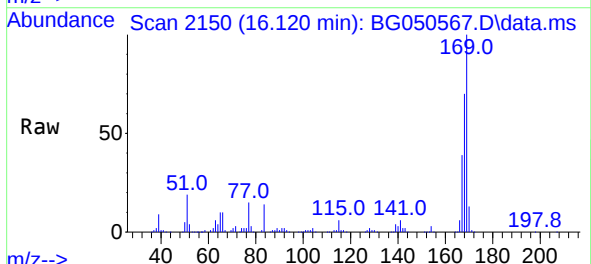
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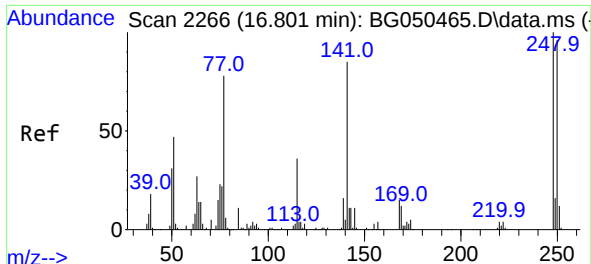
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#66  
n-Nitrosodiphenylamine  
Concen: 39.92 ng  
RT: 16.120 min Scan# 2150  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

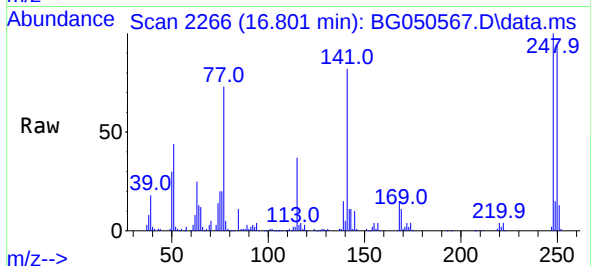
Tgt Ion:169 Resp: 326020  
Ion Ratio Lower Upper  
169 100  
168 70.5 56.3 84.5  
167 39.3 28.4 42.6





#67  
4-Bromophenyl-phenylether  
Concen: 39.75 ng  
RT: 16.801 min Scan# 2266  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

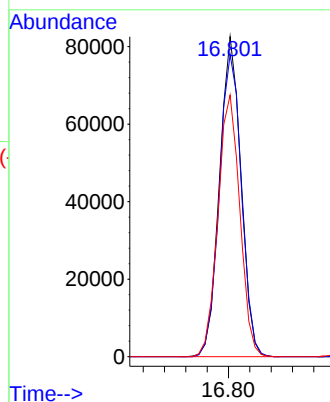
Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS



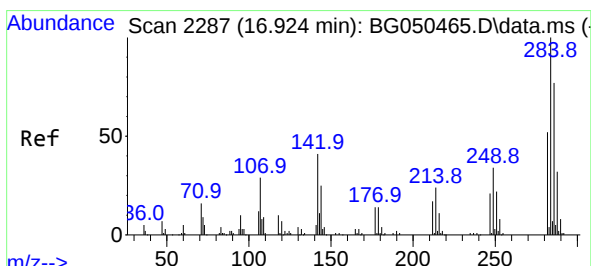
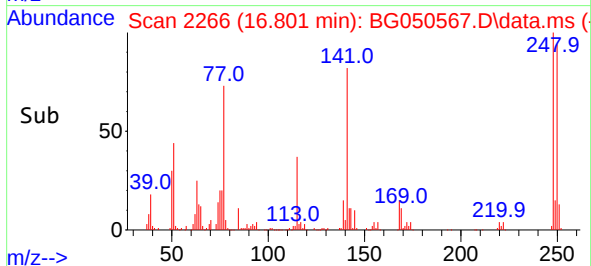
Tgt Ion:248 Resp: 115105  
Ion Ratio Lower Upper  
248 100  
250 94.4 76.1 114.1  
141 81.7 65.4 98.2

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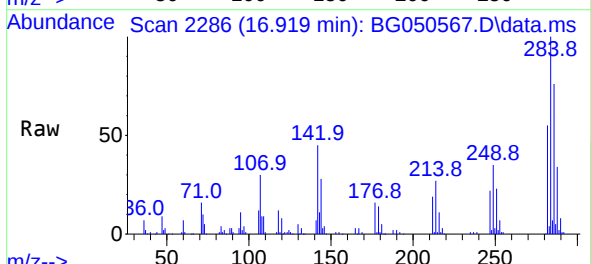
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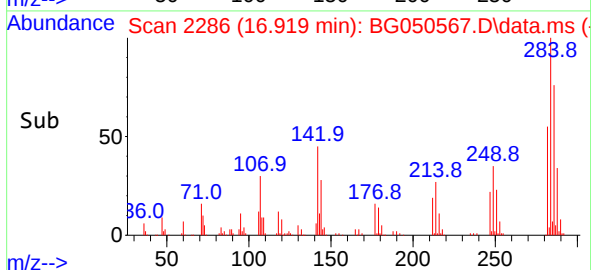
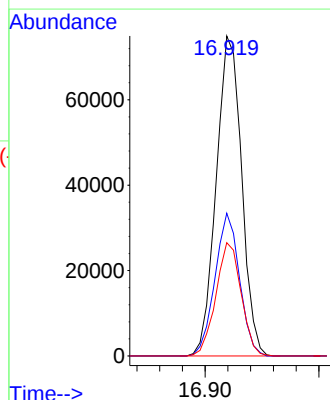
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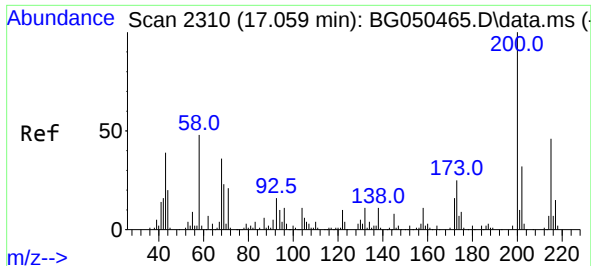


#68  
Hexachlorobenzene  
Concen: 40.34 ng  
RT: 16.919 min Scan# 2286  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:284 Resp: 116118  
Ion Ratio Lower Upper  
284 100  
142 44.6 27.0 40.6#  
249 35.4 28.2 42.2





#69  
Atrazine  
Concen: 43.24 ng  
RT: 17.060 min Scan# 2310  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

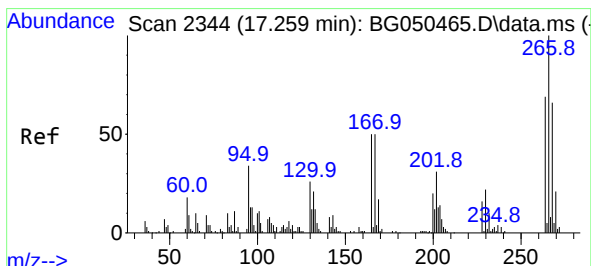
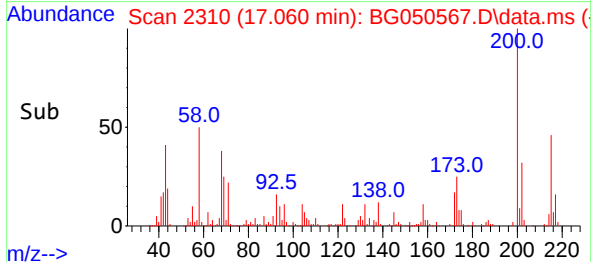
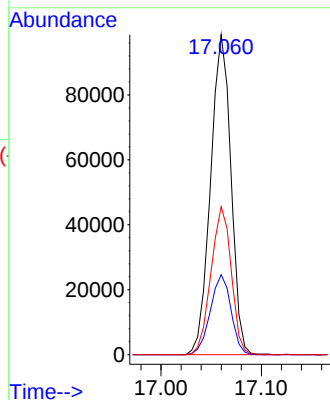
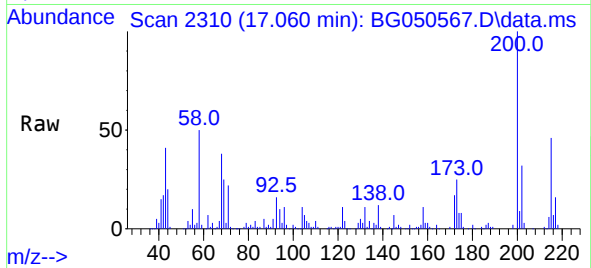
Tgt Ion:200 Resp: 139094  
Ion Ratio Lower Upper  
200 100  
173 25.0 3.7 43.7  
215 46.2 26.9 66.9

Instrument :  
BNA\_G  
ClientSampled :  
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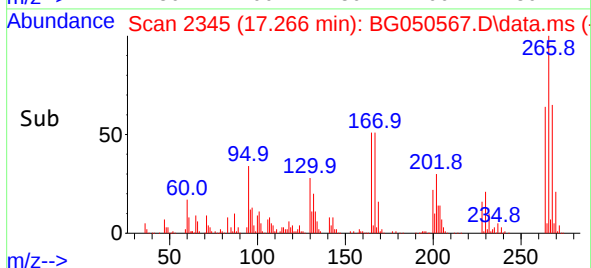
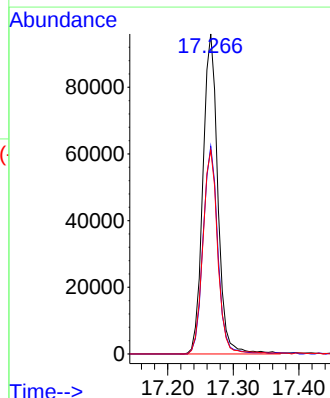
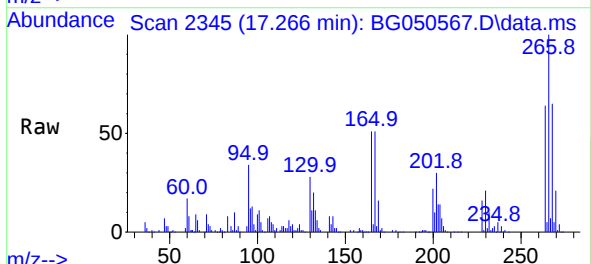
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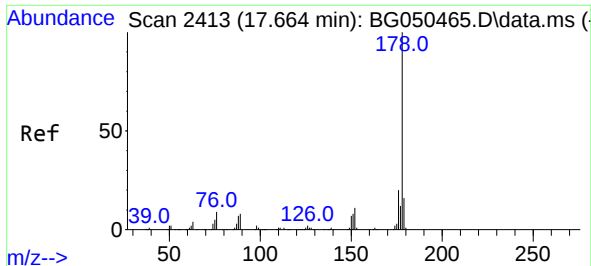
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#70  
Pentachlorophenol  
Concen: 77.62 ng  
RT: 17.266 min Scan# 2345  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:266 Resp: 152082  
Ion Ratio Lower Upper  
266 100  
268 64.9 49.0 73.4  
264 63.7 49.0 73.6





#71  
Phenanthrene  
Concen: 40.71 ng  
RT: 17.665 min Scan# 2413  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

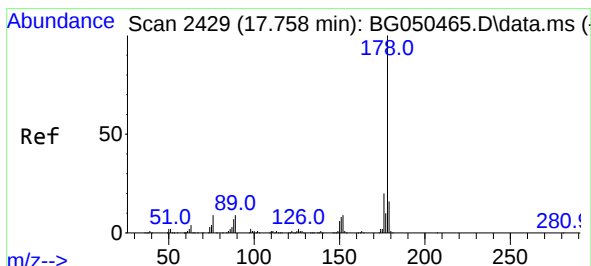
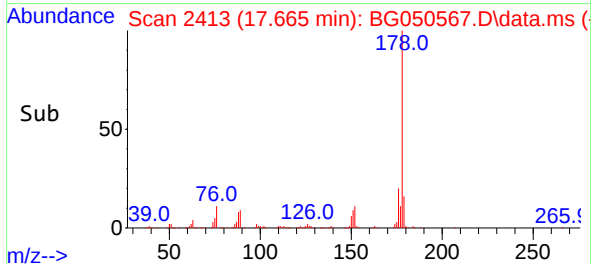
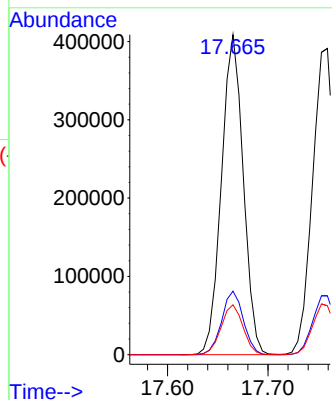
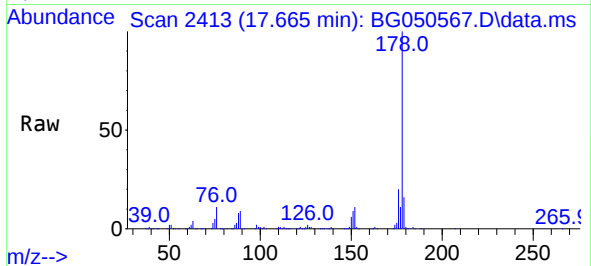
Tgt Ion:178 Resp: 616545  
Ion Ratio Lower Upper  
178 100  
176 19.8 16.0 24.0  
179 15.6 14.2 21.4

Instrument :  
BNA\_G  
ClientSampled :  
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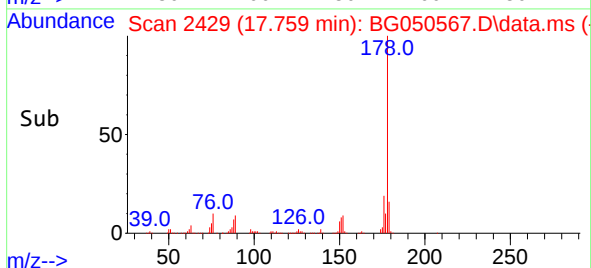
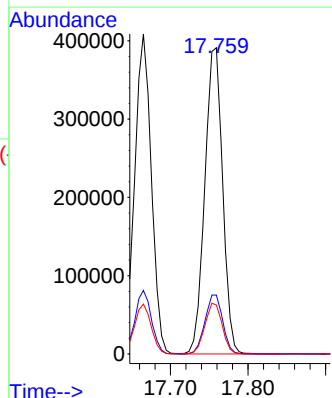
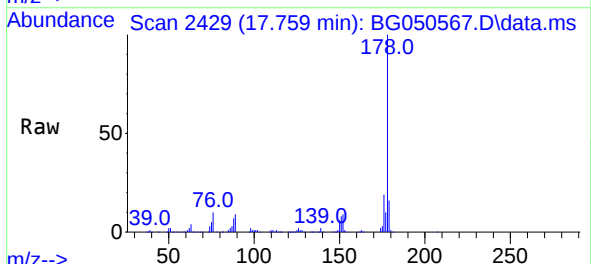
mohammad  
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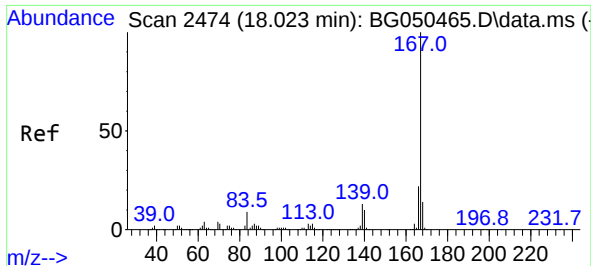
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#72  
Anthracene  
Concen: 41.51 ng  
RT: 17.759 min Scan# 2429  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

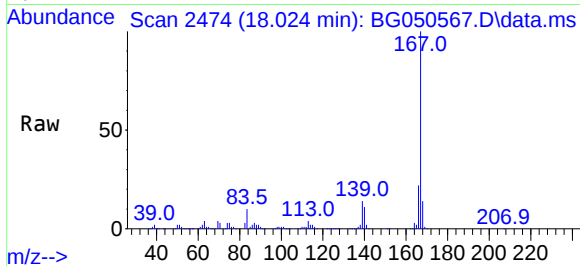
Tgt Ion:178 Resp: 624743  
Ion Ratio Lower Upper  
178 100  
176 19.2 14.6 21.8  
179 16.0 13.4 20.0





#73  
 Carbazole  
 Concen: 39.51 ng  
 RT: 18.024 min Scan# 2474  
 Delta R.T. 0.001 min  
 Lab File: BG050567.D  
 Acq: 13 Oct 2021 12:31

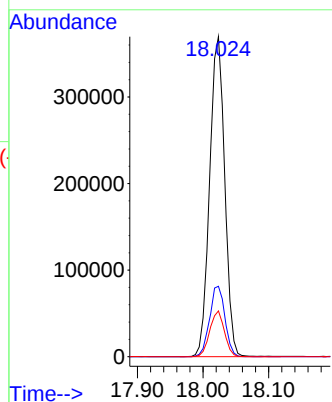
Instrument :  
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 ClientSampled :  
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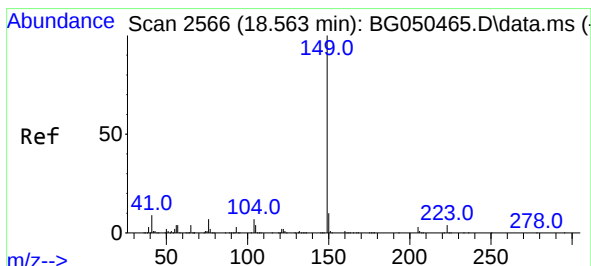
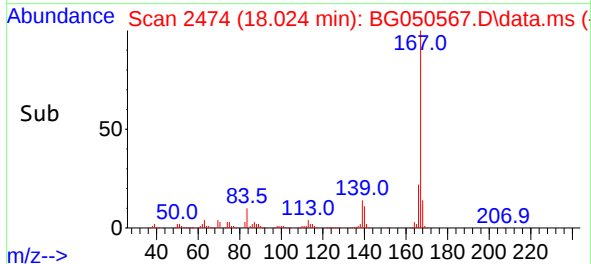
Tgt Ion:167 Resp: 592580  
 Ion Ratio Lower Upper  
 167 100  
 166 22.0 17.4 26.2  
 139 14.3 10.7 16.1

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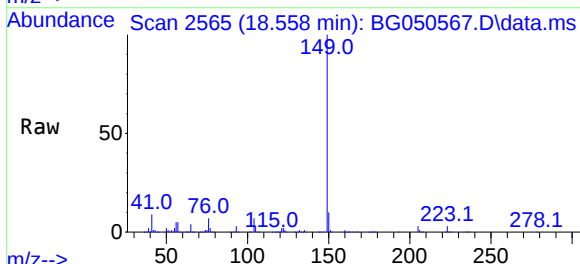
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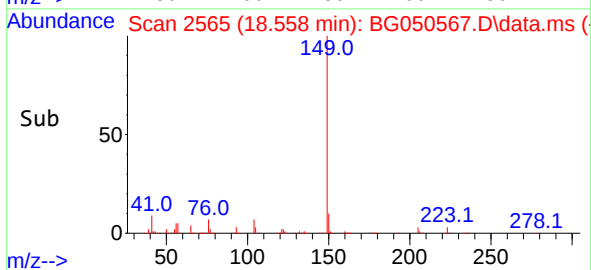
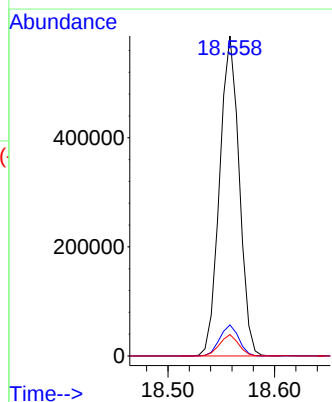
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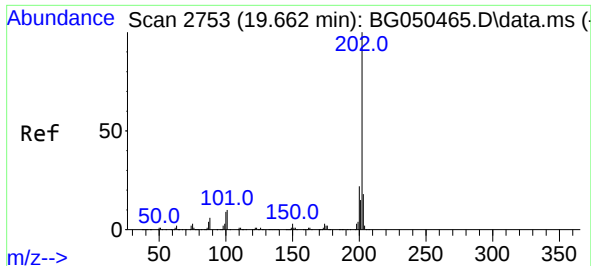


#74  
 Di-n-butylphthalate  
 Concen: 42.46 ng  
 RT: 18.558 min Scan# 2565  
 Delta R.T. -0.005 min  
 Lab File: BG050567.D  
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Tgt Ion:149 Resp: 747442  
 Ion Ratio Lower Upper  
 149 100  
 150 9.7 7.5 11.3  
 104 6.7 6.6 10.0





#75  
Fluoranthene  
Concen: 41.24 ng  
RT: 19.663 min Scan# 2753  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

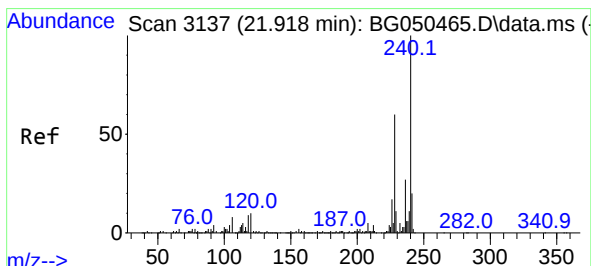
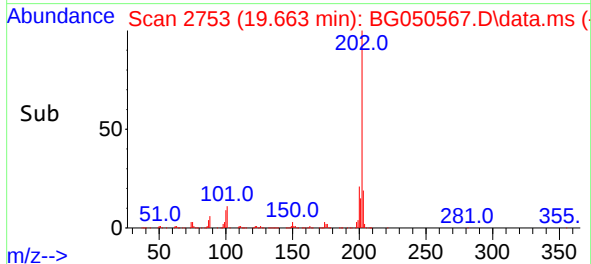
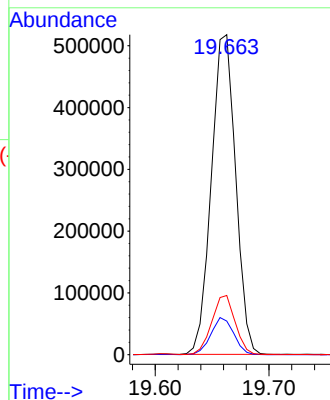
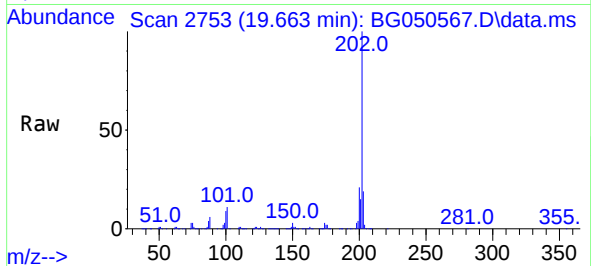
Tgt Ion:202 Resp: 767832  
Ion Ratio Lower Upper  
202 100  
101 10.5 0.0 24.7  
203 18.5 0.0 38.5

Instrument :  
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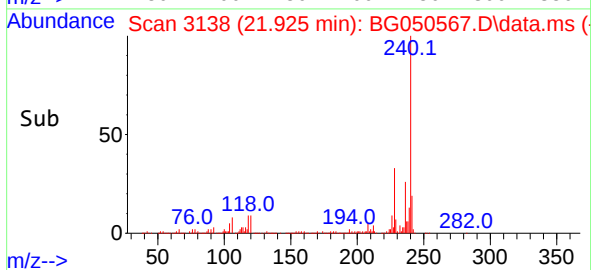
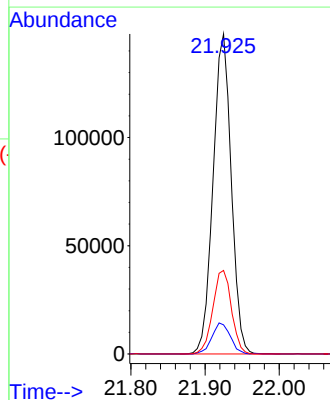
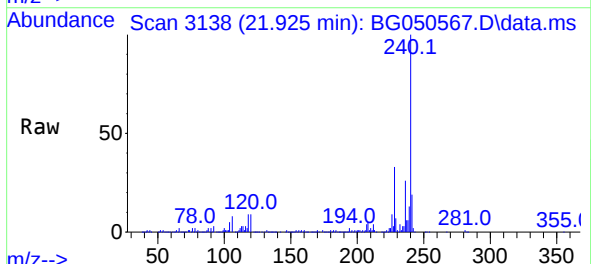
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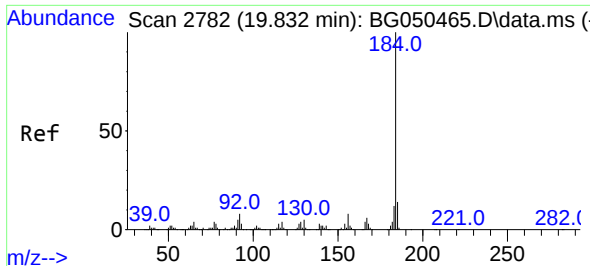
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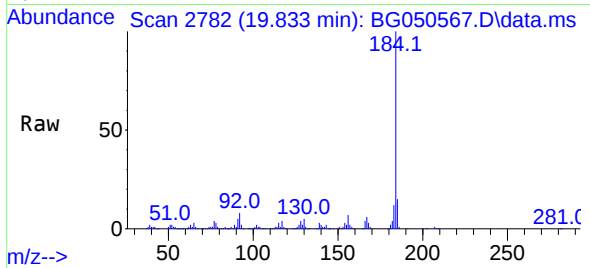
#76  
Chrysene-d12  
Concen: 20.00 ng  
RT: 21.925 min Scan# 3138  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:240 Resp: 251389  
Ion Ratio Lower Upper  
240 100  
120 9.1 4.2 6.2#  
236 26.1 21.8 32.6

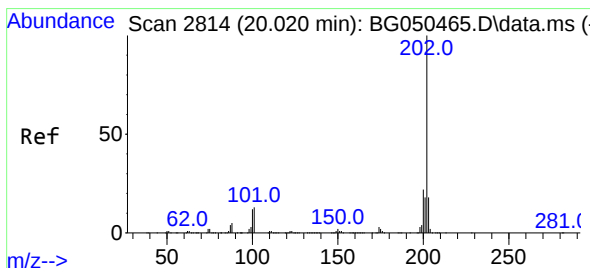
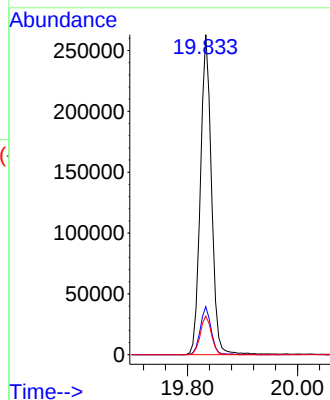
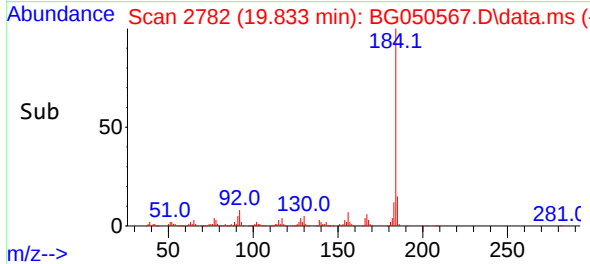




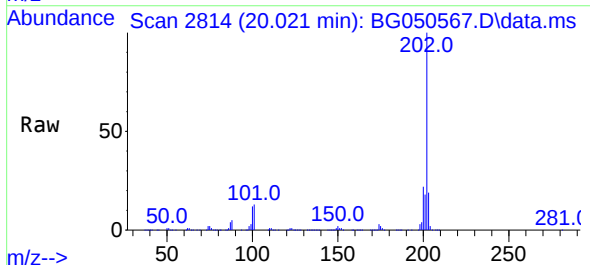
#77  
Benzidine  
Concen: 45.25 ng  
RT: 19.833 min Scan# 2782  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



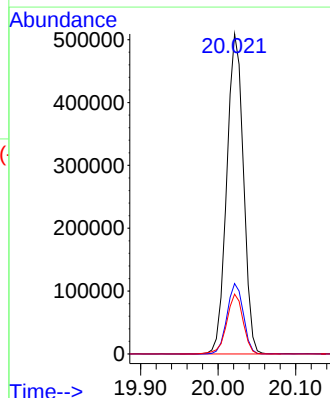
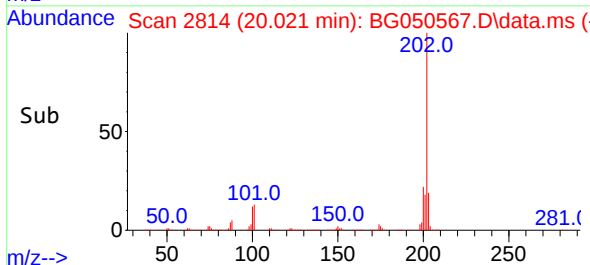
Tgt Ion:184 Resp: 368727  
Ion Ratio Lower Upper  
184 100  
185 15.0 10.7 16.1  
183 12.1 9.4 14.0



#78  
Pyrene  
Concen: 42.79 ng  
RT: 20.021 min Scan# 2814  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31



Tgt Ion:202 Resp: 763121  
Ion Ratio Lower Upper  
202 100  
200 22.0 15.8 23.8  
203 18.7 14.6 21.8

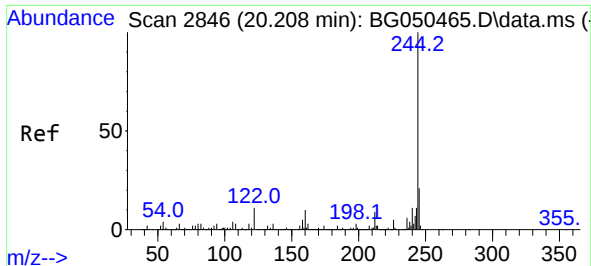


Instrument :  
BNA\_G  
ClientSampleId :  
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#79  
 Terphenyl-d14  
 Concen: 77.98 ng  
 RT: 20.209 min Scan# 2846  
 Delta R.T. 0.001 min  
 Lab File: BG050567.D  
 Acq: 13 Oct 2021 12:31

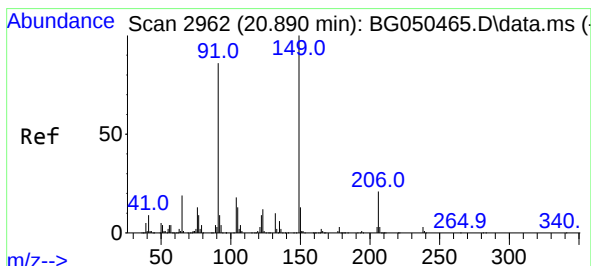
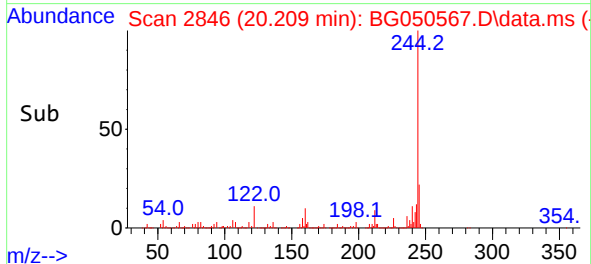
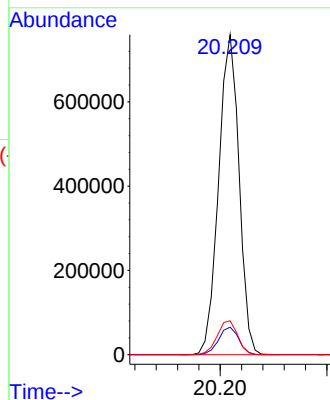
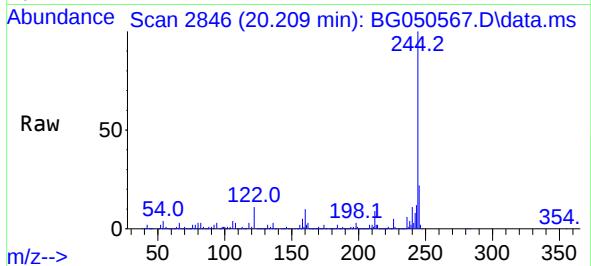
Tgt Ion:244 Resp: 1005894  
 Ion Ratio Lower Upper  
 244 100  
 212 8.6 6.9 10.3  
 122 10.6 5.0 7.6#

Instrument :  
 BNA\_G  
 ClientSampleId :  
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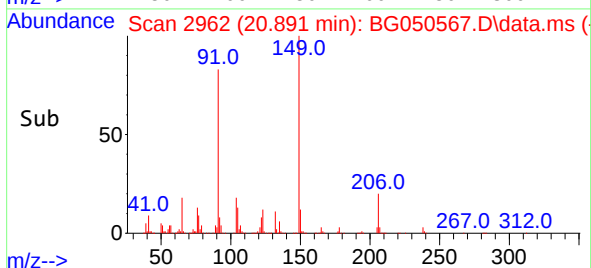
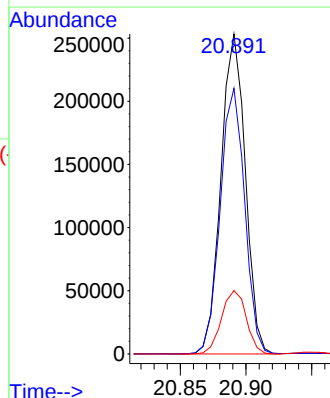
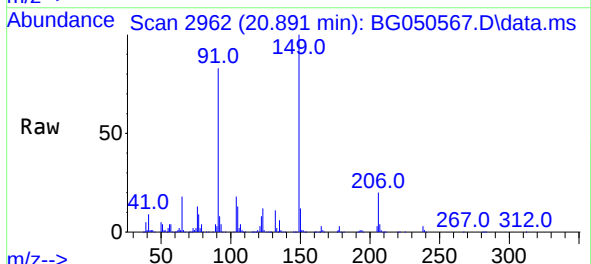
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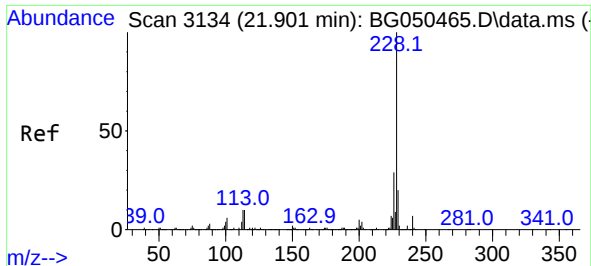
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#80  
 Butylbenzylphthalate  
 Concen: 43.33 ng  
 RT: 20.891 min Scan# 2962  
 Delta R.T. 0.001 min  
 Lab File: BG050567.D  
 Acq: 13 Oct 2021 12:31

Tgt Ion:149 Resp: 326920  
 Ion Ratio Lower Upper  
 149 100  
 91 83.0 63.4 95.2  
 206 19.8 18.4 27.6





#81  
Benzo(a)anthracene  
Concen: 41.02 ng  
RT: 21.901 min Scan# 3134  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

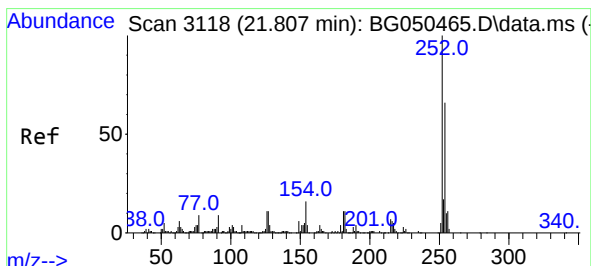
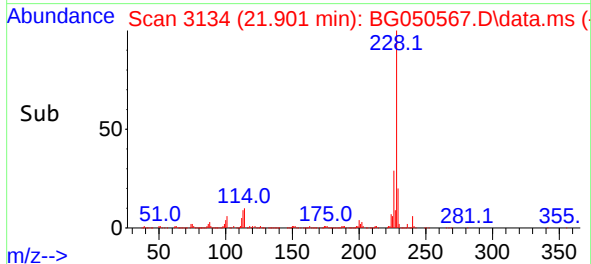
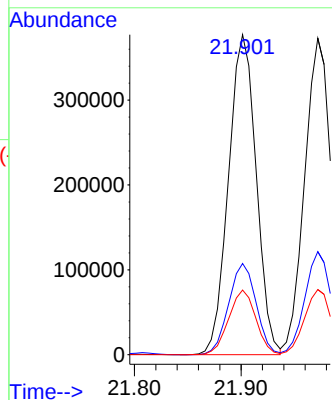
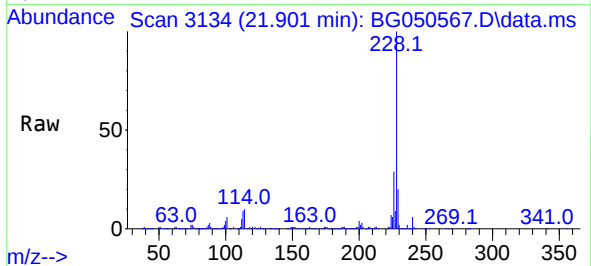
Tgt Ion:228 Resp: 682255  
Ion Ratio Lower Upper  
228 100  
226 28.5 22.7 34.1  
229 20.2 16.0 24.0

Instrument :  
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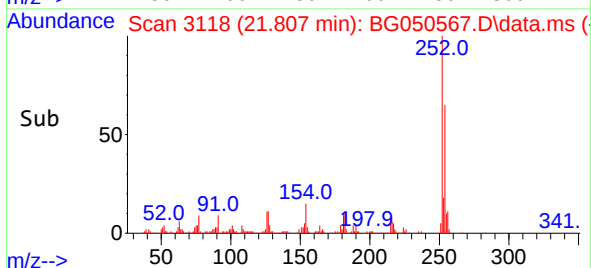
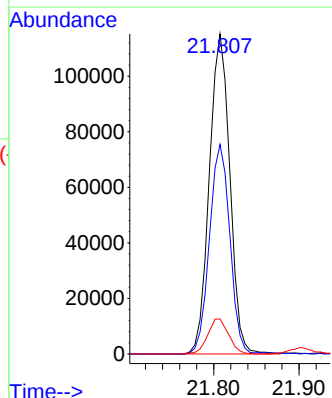
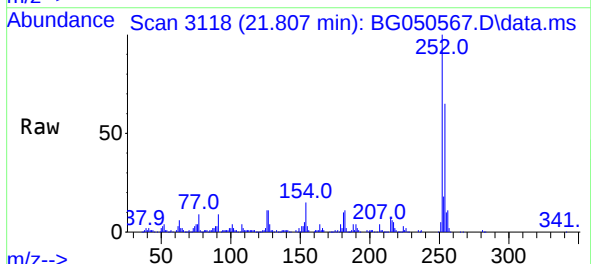
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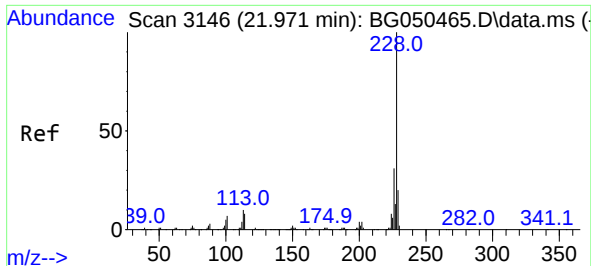
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#82  
3,3'-Dichlorobenzidine  
Concen: 34.89 ng  
RT: 21.807 min Scan# 3118  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:252 Resp: 192317  
Ion Ratio Lower Upper  
252 100  
254 65.5 52.4 78.6  
126 10.9 5.9 8.9#





#83  
Chrysene  
Concen: 41.14 ng  
RT: 21.972 min Scan# 3146  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

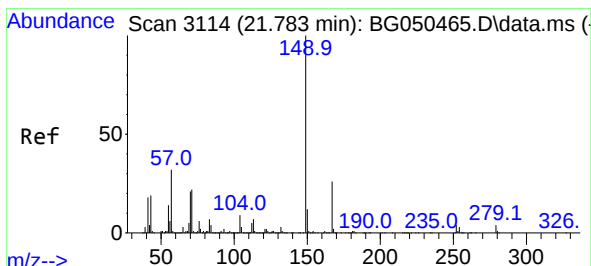
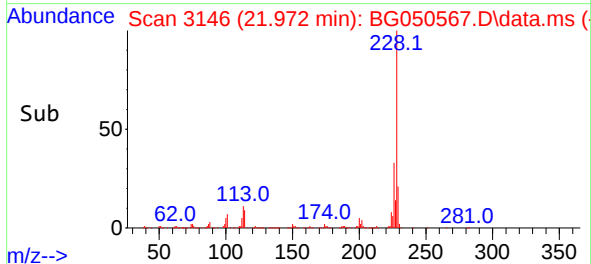
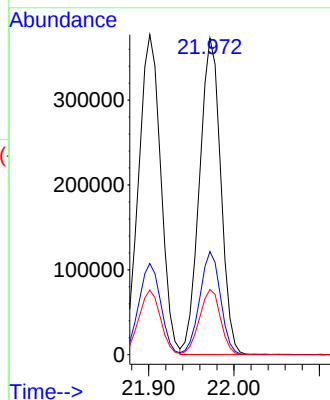
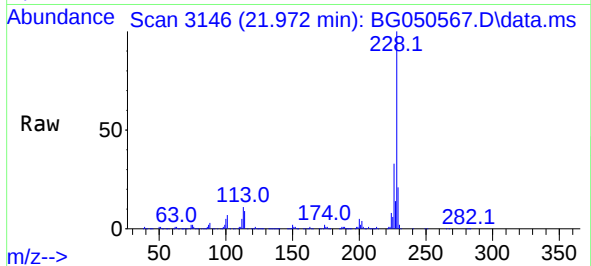
Tgt Ion:228 Resp: 643772  
Ion Ratio Lower Upper  
228 100  
226 32.6 23.1 34.7  
229 20.6 15.3 22.9

Instrument :  
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ClientSampleId :  
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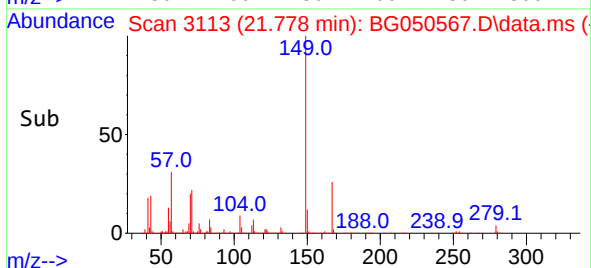
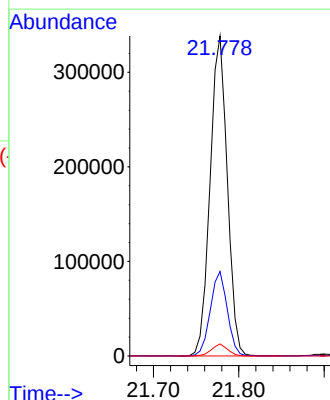
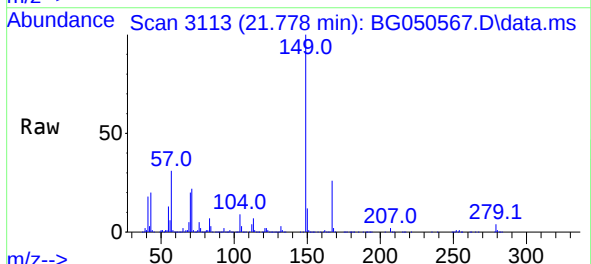
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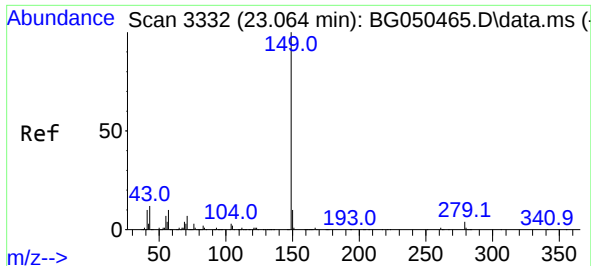
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#84  
Bis(2-ethylhexyl)phthalate  
Concen: 44.20 ng  
RT: 21.778 min Scan# 3113  
Delta R.T. -0.005 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:149 Resp: 473773  
Ion Ratio Lower Upper  
149 100  
167 26.4 22.3 33.5  
279 3.7 3.8 5.8#





#85  
Di-n-octyl phthalate  
Concen: 45.12 ng  
RT: 23.053 min Scan# 3330  
Delta R.T. -0.011 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

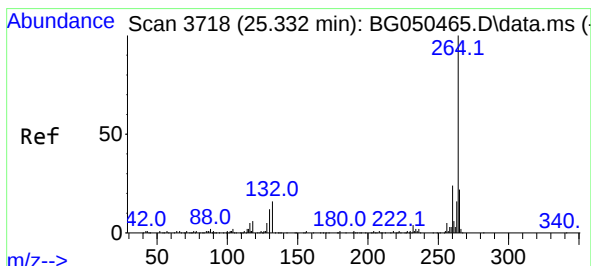
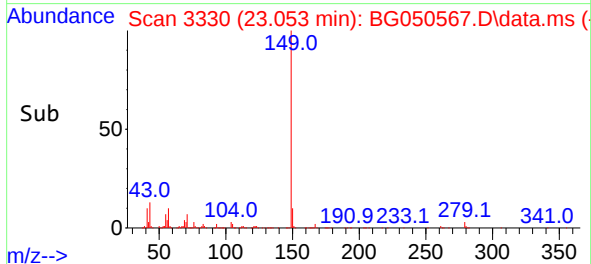
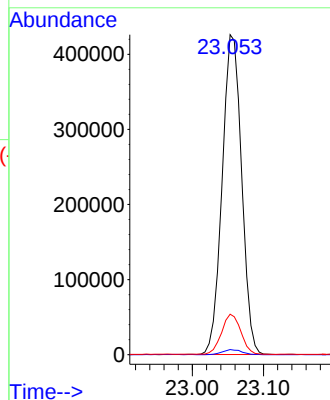
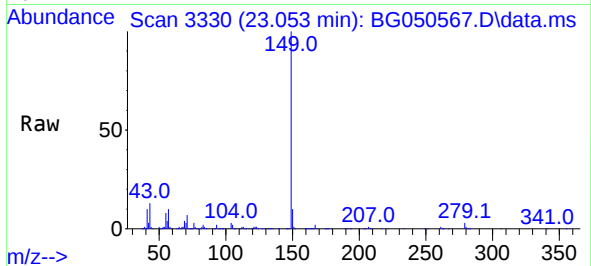
Tgt Ion:149 Resp: 806671  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.4 2.2  
43 12.5 8.6 12.8

Instrument :  
BNA\_G  
ClientSampleId :  
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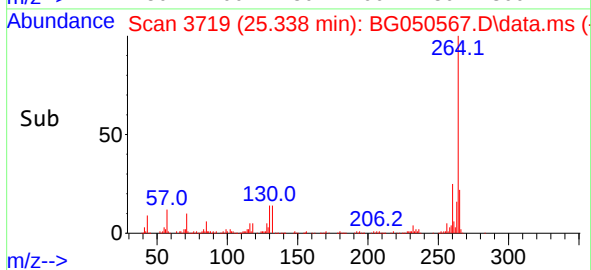
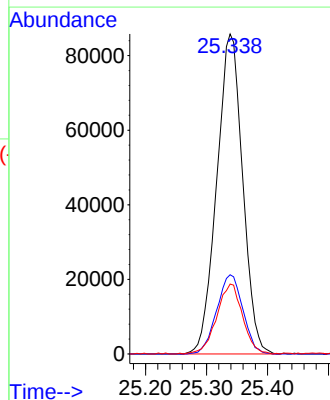
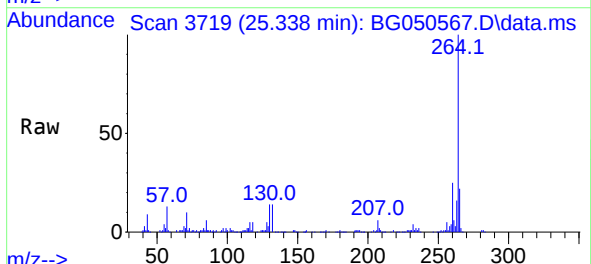
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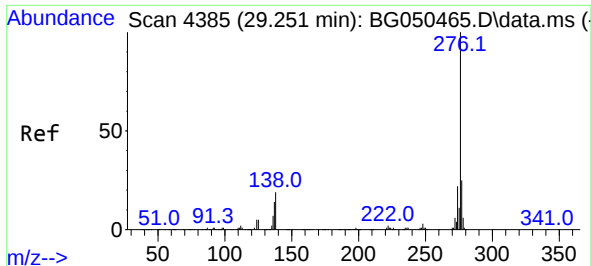
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#86  
Perylene-d12  
Concen: 20.00 ng  
RT: 25.338 min Scan# 3719  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:264 Resp: 253019  
Ion Ratio Lower Upper  
264 100  
260 24.7 19.4 29.2  
265 21.8 16.9 25.3





#87  
Indeno(1,2,3-cd)pyrene  
Concen: 42.91 ng  
RT: 29.269 min Scan# 4388  
Delta R.T. 0.018 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

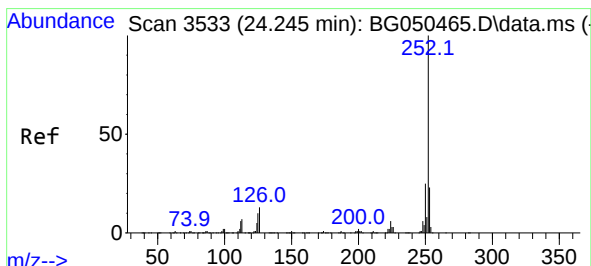
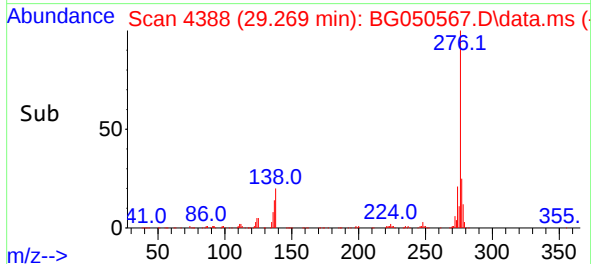
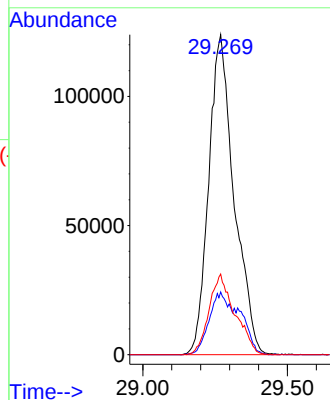
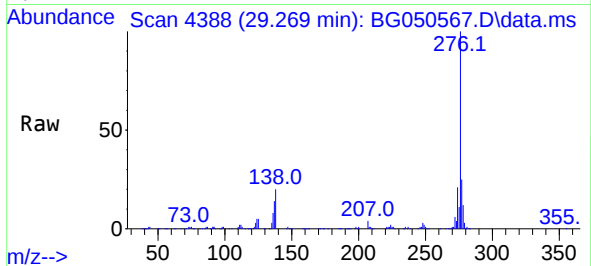
Tgt Ion: 276 Resp: 756148  
Ion Ratio Lower Upper  
276 100  
138 15.8 5.1 7.7#  
277 25.6 19.8 29.6

Instrument :  
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ClientSampled :  
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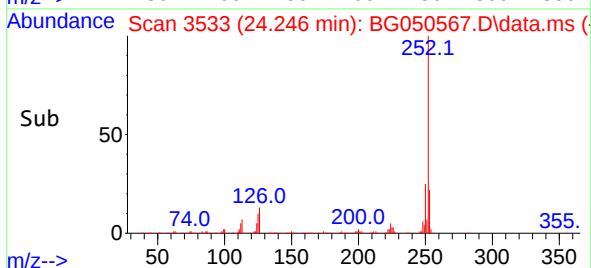
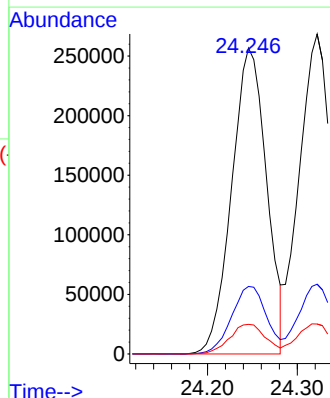
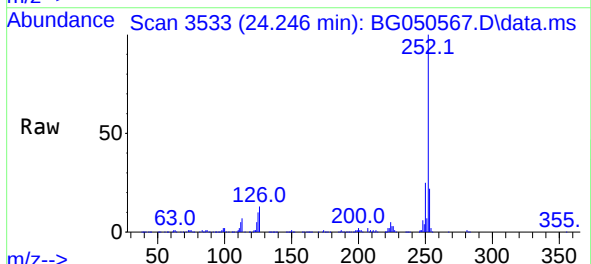
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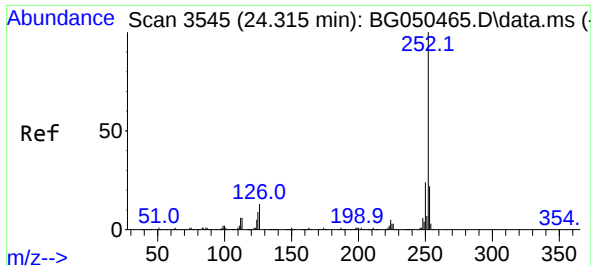
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#88  
Benzo(b)fluoranthene  
Concen: 44.62 ng  
RT: 24.246 min Scan# 3533  
Delta R.T. 0.001 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion: 252 Resp: 691419  
Ion Ratio Lower Upper  
252 100  
253 22.1 16.2 24.4  
125 9.7 3.0 4.4#





#89  
Benzo(k)fluoranthene  
Concen: 43.71 ng  
RT: 24.322 min Scan# 3546  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

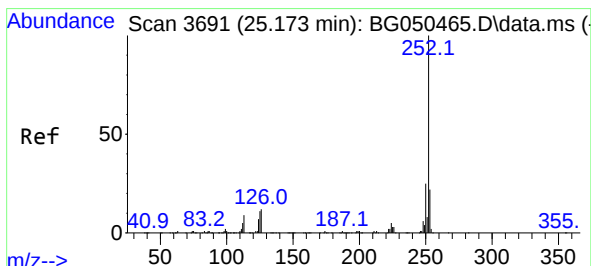
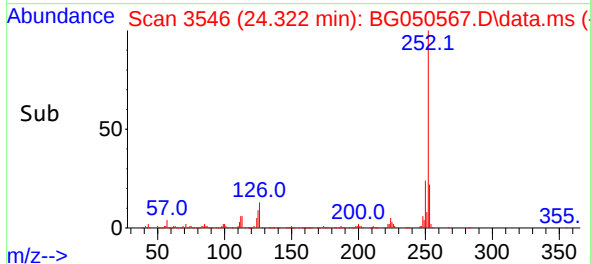
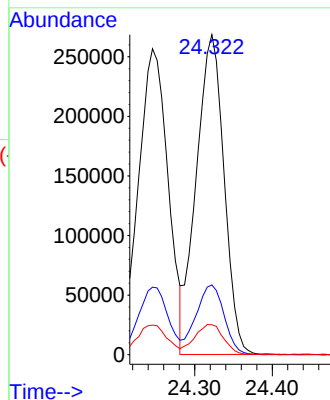
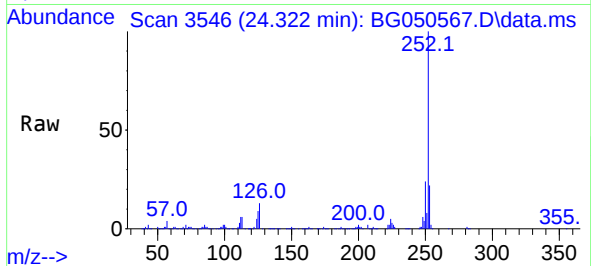
Tgt Ion:252 Resp: 666381  
Ion Ratio Lower Upper  
252 100  
253 21.8 18.0 27.0  
125 9.4 3.1 4.7#

Instrument :  
BNA\_G  
ClientSampled :  
PB139688BS

Manual Integrations  
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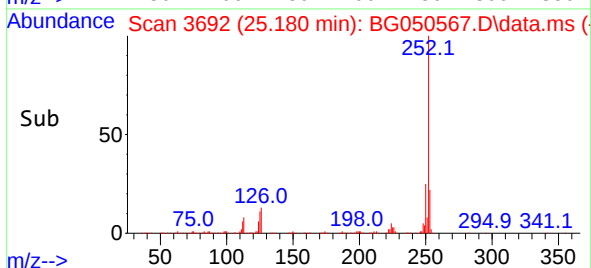
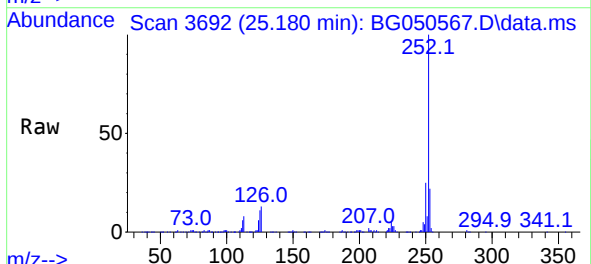
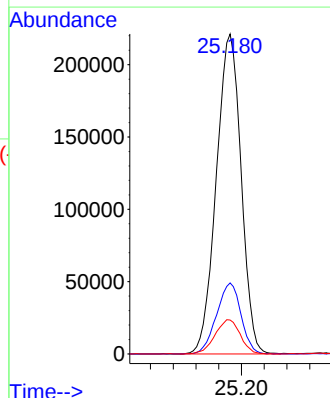
mohammad  
10/14/2021 10:54:15 AM

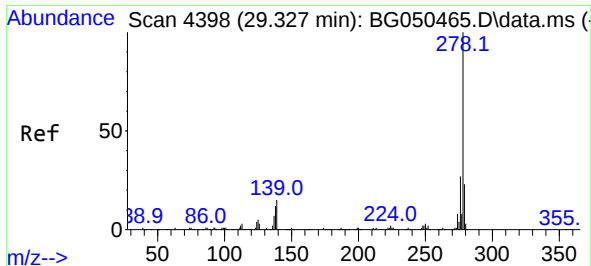
10/14/2021 10:54:15 AM



#90  
Benzo(a)pyrene  
Concen: 50.84 ng  
RT: 25.180 min Scan# 3692  
Delta R.T. 0.007 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:252 Resp: 669795  
Ion Ratio Lower Upper  
252 100  
253 22.2 16.6 25.0  
125 10.6 3.5 5.3#





#91  
Dibenzo(a,h)anthracene  
Concen: 43.53 ng  
RT: 29.340 min Scan# 4400  
Delta R.T. 0.013 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

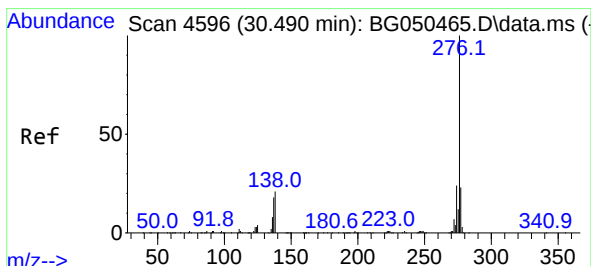
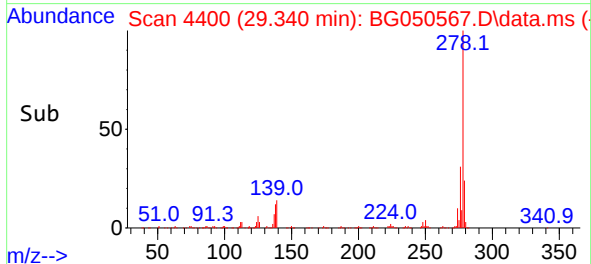
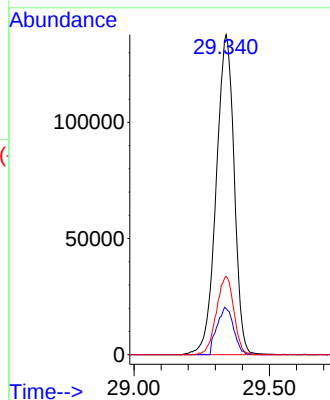
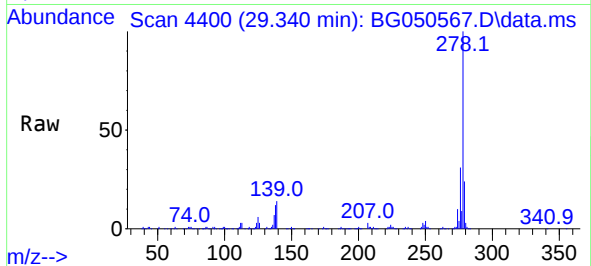
Tgt Ion:278 Resp: 634561  
Ion Ratio Lower Upper  
278 100  
139 14.4 4.6 6.8#  
279 24.4 17.9 26.9

Instrument :  
BNA\_G  
ClientSampleId :  
PB139688BS

Manual Integrations  
APPROVED

mohammad  
10/14/2021 10:54:15 AM

10/14/2021 10:54:15 AM



#92  
Benzo(g,h,i)perylene  
Concen: 43.67 ng  
RT: 30.509 min Scan# 4599  
Delta R.T. 0.018 min  
Lab File: BG050567.D  
Acq: 13 Oct 2021 12:31

Tgt Ion:276 Resp: 623369  
Ion Ratio Lower Upper  
276 100  
277 23.9 18.4 27.6  
138 18.9 7.0 10.6#

