

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG081623\  
 Data File : BG058745.D  
 Acq On : 16 Aug 2023 12:43  
 Operator : MA/JU  
 Sample : PB154469BS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB154469BS

Quant Time: Aug 16 13:30:37 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\8270-BG072823.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Jul 28 22:29:07 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.809  | 152  | 27770    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.612 | 136  | 123238   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.460 | 164  | 91768    | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.204 | 188  | 231752   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.452 | 240  | 194916   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 24.525 | 264  | 249809   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.382  | 112  | 247141   | 136.026 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.986  | 99   | 340929   | 134.854 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.978  | 82   | 209011   | 83.316  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.952 | 330  | 182772   | 121.512 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.079 | 172  | 498207   | 81.358  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.824 | 244  | 932719   | 89.988  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.261  | 88   | 29114    | 33.069  | ng    | # 87     |
| 3) Pyridine                   | 3.661  | 79   | 73325    | 30.548  | ng    | # 81     |
| 4) n-Nitrosodimethylamine     | 3.579  | 42   | 48831    | 48.014  | ng    | 86       |
| 6) Aniline                    | 7.133  | 93   | 93230    | 29.952  | ng    | 96       |
| 8) 2-Chlorophenol             | 7.374  | 128  | 91750    | 51.476  | ng    | 97       |
| 9) Benzaldehyde               | 6.945  | 77   | 39585    | 28.820  | ng    | 93       |
| 10) Phenol                    | 7.010  | 94   | 124290   | 50.328  | ng    | 97       |
| 11) bis(2-Chloroethyl)ether   | 7.233  | 93   | 84741    | 43.525  | ng    | 91       |
| 12) 1,3-Dichlorobenzene       | 7.697  | 146  | 85524    | 44.935  | ng    | 98       |
| 13) 1,4-Dichlorobenzene       | 7.844  | 146  | 89922    | 47.054  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.162  | 146  | 85035    | 46.541  | ng    | 99       |
| 15) Benzyl Alcohol            | 8.050  | 79   | 92359    | 57.606  | ng    | 93       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.338  | 45   | 180023   | 56.922  | ng    | 94       |
| 17) 2-Methylphenol            | 8.261  | 107  | 85112    | 47.135  | ng    | 96       |
| 18) Hexachloroethane          | 8.890  | 117  | 32618    | 46.959  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.614  | 70   | 74061    | 45.353  | ng    | 94       |
| 20) 3+4-Methylphenols         | 8.590  | 107  | 117294   | 48.022  | ng    | 96       |
| 22) Acetophenone              | 8.632  | 105  | 146873   | 44.509  | ng    | # 93     |
| 24) Nitrobenzene              | 9.019  | 77   | 109815   | 43.059  | ng    | 98       |
| 25) Isophorone                | 9.536  | 82   | 215589   | 41.593  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.730  | 139  | 49799    | 44.857  | ng    | 95       |
| 27) 2,4-Dimethylphenol        | 9.789  | 122  | 83831    | 45.524  | ng    | 95       |
| 28) bis(2-Chloroethoxy)met... | 10.018 | 93   | 119984   | 42.536  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.265 | 162  | 92554    | 48.407  | ng    | 100      |
| 30) 1,2,4-Trichlorobenzene    | 10.476 | 180  | 97874    | 44.387  | ng    | 100      |
| 31) Naphthalene               | 10.659 | 128  | 276789   | 42.613  | ng    | 99       |
| 32) Benzoic acid              | 9.959  | 122  | 50085    | 36.803  | ng    | 92       |
| 33) 4-Chloroaniline           | 10.776 | 127  | 61791    | 22.516  | ng    | 99       |
| 34) Hexachlorobutadiene       | 10.941 | 225  | 64039    | 45.098  | ng    | 98       |
| 35) Caprolactam               | 11.563 | 113  | 22781    | 32.265  | ng    | # 85     |
| 36) 4-Chloro-3-methylphenol   | 11.910 | 107  | 114611   | 48.457  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.274 | 142  | 196469   | 42.286  | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.498 | 142  | 190943   | 43.233  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.650 | 216  | 118384   | 42.019  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.621 | 237  | 101763   | 77.956  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.891 | 196  | 84850    | 43.786  | ng    | 96       |

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 Response via : Initial Calibration

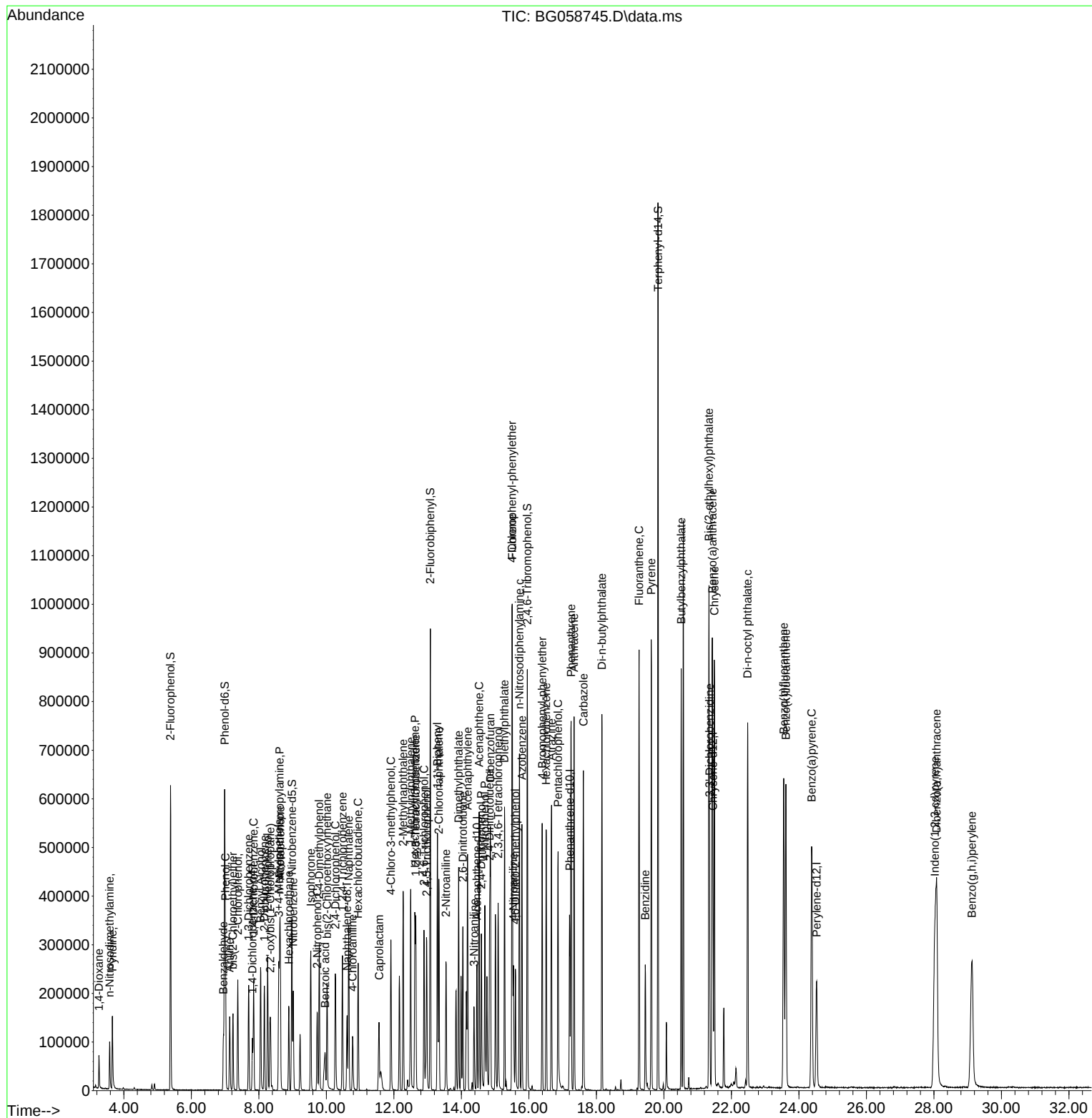
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.974 | 196  | 93959    | 41.166 | ng    | 96       |
| 46) 1,1'-Biphenyl             | 13.291 | 154  | 272125   | 43.179 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.332 | 162  | 216454   | 44.050 | ng    | 99       |
| 48) 2-Nitroaniline            | 13.543 | 65   | 86187    | 45.952 | ng    | 96       |
| 49) Acenaphthylene            | 14.184 | 152  | 364259   | 44.277 | ng    | 99       |
| 50) Dimethylphthalate         | 13.919 | 163  | 304672   | 44.207 | ng    | 98       |
| 51) 2,6-Dinitrotoluene        | 14.043 | 165  | 69668    | 46.070 | ng    | 98       |
| 52) Acenaphthene              | 14.525 | 154  | 202462   | 42.591 | ng    | 100      |
| 53) 3-Nitroaniline            | 14.378 | 138  | 41552    | 27.464 | ng    | 92       |
| 54) 2,4-Dinitrophenol         | 14.589 | 184  | 75220    | 87.467 | ng    | 94       |
| 55) Dibenzofuran              | 14.860 | 168  | 352779   | 43.189 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.695 | 139  | 101215   | 89.854 | ng    | 86       |
| 57) 2,4-Dinitrotoluene        | 14.836 | 165  | 100272   | 47.828 | ng    | 96       |
| 58) Fluorene                  | 15.506 | 166  | 290197   | 44.722 | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.089 | 232  | 88468    | 45.423 | ng    | 98       |
| 60) Diethylphthalate          | 15.277 | 149  | 320807   | 45.691 | ng    | 100      |
| 61) 4-Chlorophenyl-phenyle... | 15.500 | 204  | 159133   | 43.988 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.541 | 138  | 69170    | 48.261 | ng    | 95       |
| 63) Azobenzene                | 15.794 | 77   | 296086   | 42.814 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.600 | 198  | 58497    | 45.777 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.717 | 169  | 261655   | 43.379 | ng    | 99       |
| 67) 4-Bromophenyl-phenylether | 16.393 | 248  | 111694   | 42.492 | ng    | 98       |
| 68) Hexachlorobenzene         | 16.511 | 284  | 123593   | 44.372 | ng    | 97       |
| 69) Atrazine                  | 16.669 | 200  | 109013   | 53.537 | ng    | 98       |
| 70) Pentachlorophenol         | 16.863 | 266  | 118186   | 70.102 | ng    | 98       |
| 71) Phenanthrene              | 17.251 | 178  | 486585   | 44.272 | ng    | 99       |
| 72) Anthracene                | 17.339 | 178  | 490573   | 43.501 | ng    | 99       |
| 73) Carbazole                 | 17.615 | 167  | 456109   | 45.865 | ng    | 100      |
| 74) Di-n-butylphthalate       | 18.162 | 149  | 565666   | 45.412 | ng    | 99       |
| 75) Fluoranthene              | 19.266 | 202  | 582312   | 44.107 | ng    | 98       |
| 77) Benzidine                 | 19.448 | 184  | 176926   | 59.859 | ng    | 99       |
| 78) Pyrene                    | 19.625 | 202  | 600511   | 45.270 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.512 | 149  | 248972   | 45.693 | ng    | 96       |
| 81) Benzo(a)anthracene        | 21.434 | 228  | 600331   | 44.754 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.352 | 252  | 167165   | 36.858 | ng    | 98       |
| 83) Chrysene                  | 21.493 | 228  | 555631   | 43.202 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.334 | 149  | 363279   | 45.624 | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.480 | 149  | 638946   | 45.642 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 28.026 | 276  | 746046   | 44.891 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.549 | 252  | 630295   | 46.519 | ng    | 99       |
| 89) Benzo(k)fluoranthene      | 23.614 | 252  | 613924   | 45.104 | ng    | 99       |
| 90) Benzo(a)pyrene            | 24.378 | 252  | 566865   | 42.602 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 28.079 | 278  | 618703   | 45.024 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 29.119 | 276  | 594956   | 43.177 | ng    | 99       |

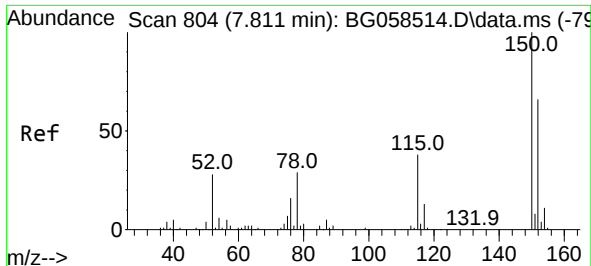
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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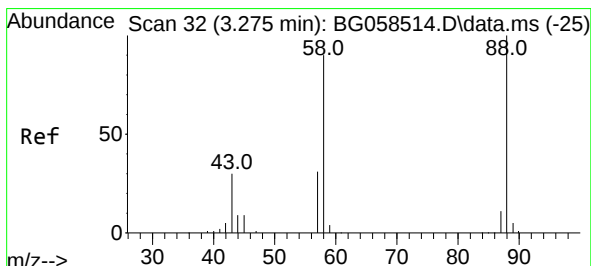
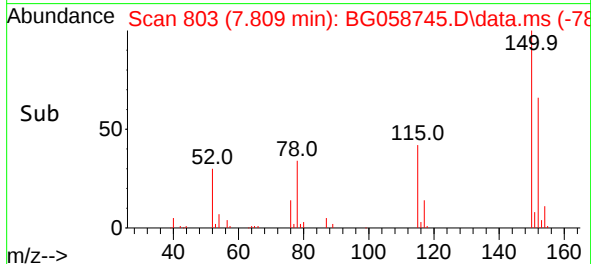
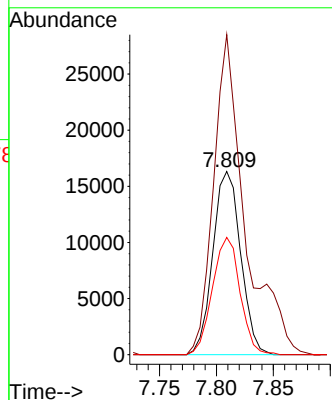
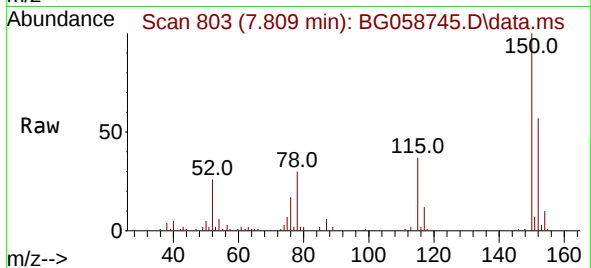




#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.809 min Scan# 80  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

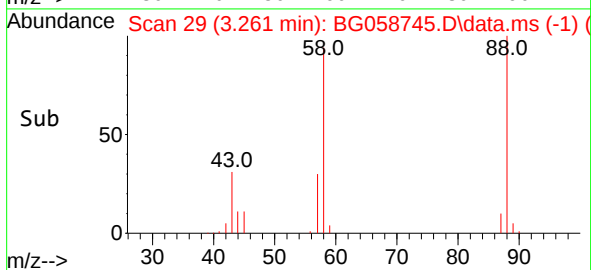
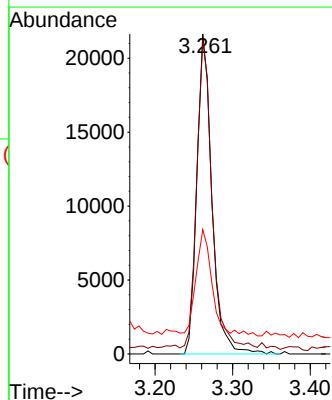
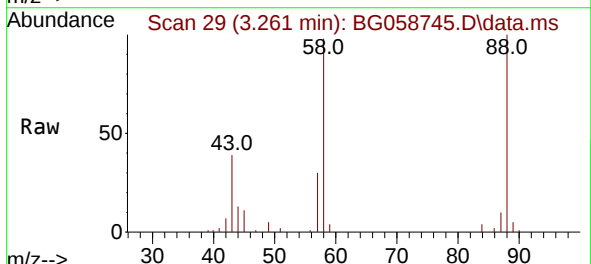
Instrument :  
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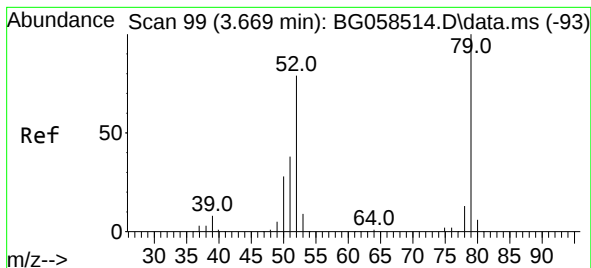
Tgt Ion:152 Resp: 27770  
Ion Ratio Lower Upper  
152 100  
150 174.7 120.5 180.7  
115 64.1 45.9 68.9



#2  
1,4-Dioxane  
Concen: 33.069 ng  
RT: 3.261 min Scan# 29  
Delta R.T. -0.014 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion: 88 Resp: 29114  
Ion Ratio Lower Upper  
88 100  
58 97.1 68.9 103.3  
43 36.2 22.9 34.3#





#3

Pyridine

Concen: 30.548 ng

RT: 3.661 min Scan# 91

Delta R.T. -0.008 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

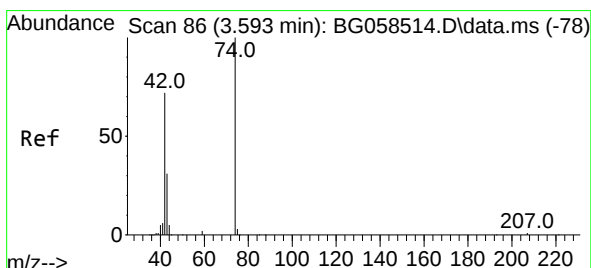
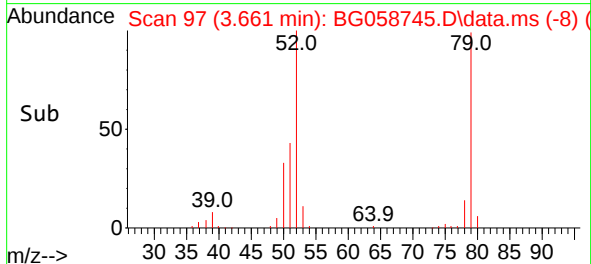
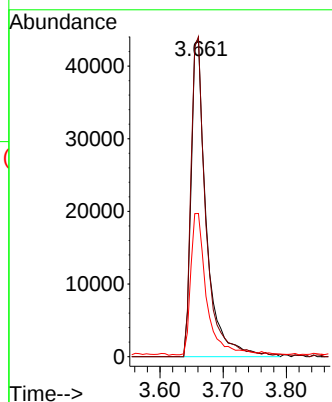
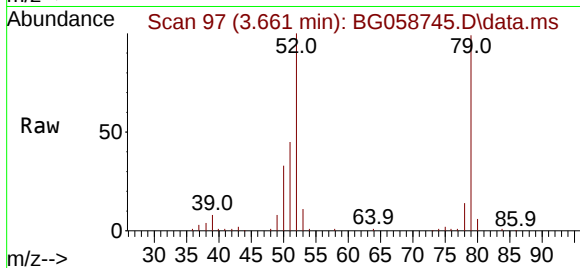
Tgt Ion: 79 Resp: 73325

Ion Ratio Lower Upper

79 100

52 100.6 63.2 94.8#

51 45.0 31.9 47.9



#4

n-Nitrosodimethylamine

Concen: 48.014 ng

RT: 3.579 min Scan# 83

Delta R.T. -0.014 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

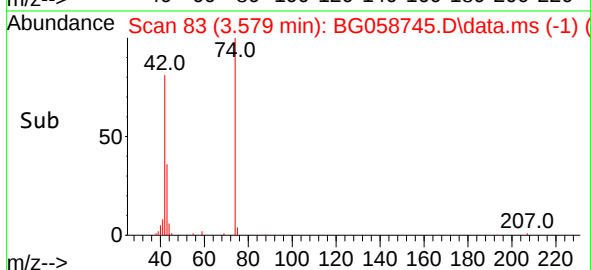
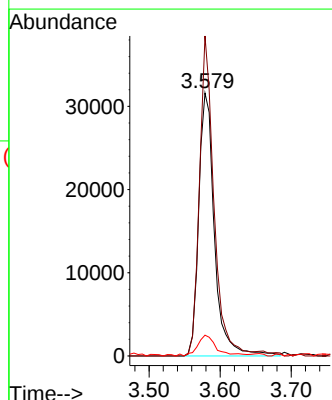
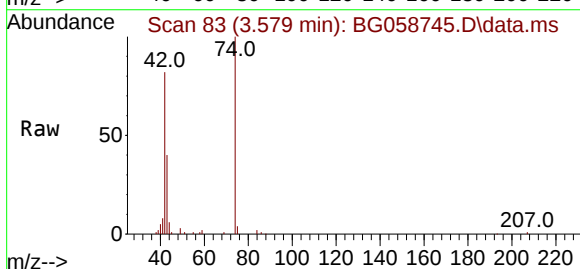
Tgt Ion: 42 Resp: 48831

Ion Ratio Lower Upper

42 100

74 121.7 111.5 167.3

44 7.9 5.4 8.2

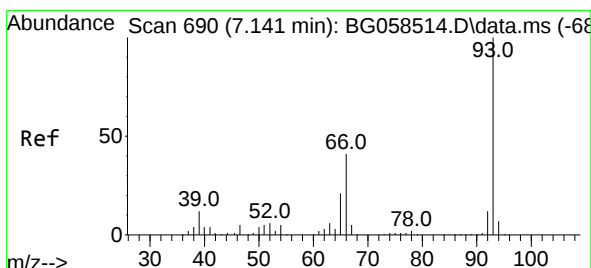
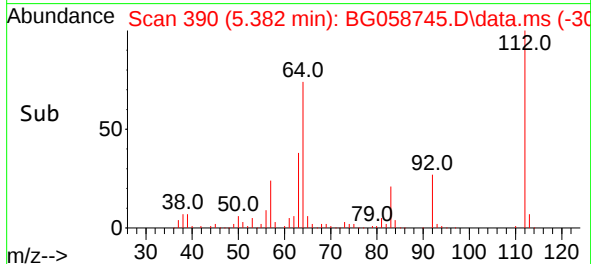
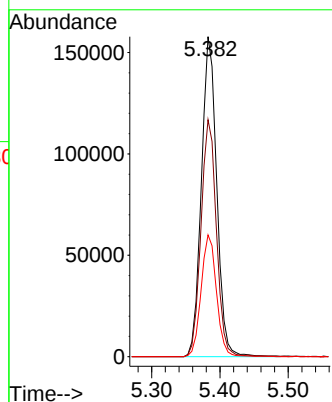
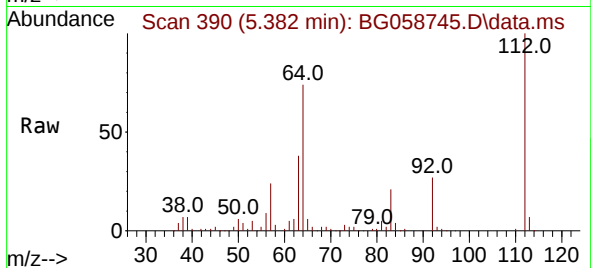




#5  
2-Fluorophenol  
Concen: 136.026 ng  
RT: 5.382 min Scan# 391  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

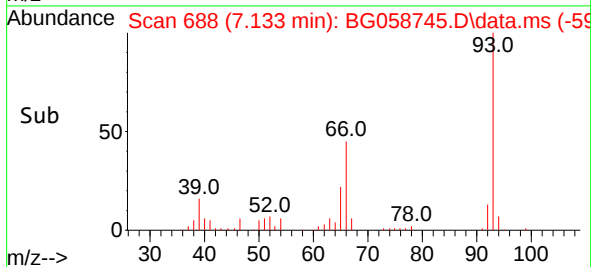
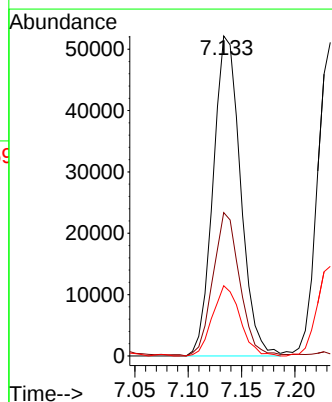
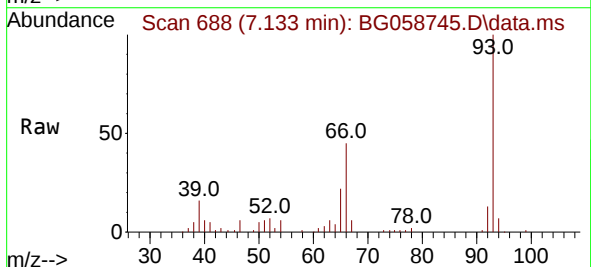
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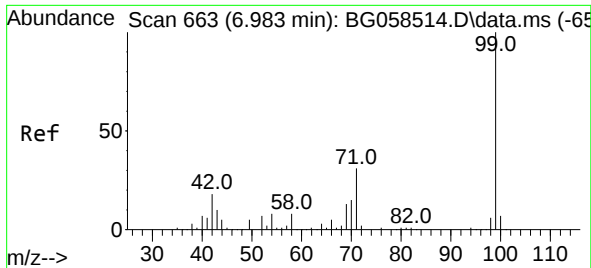
Tgt Ion:112 Resp: 247141  
Ion Ratio Lower Upper  
112 100  
64 74.1 55.3 82.9  
63 38.1 28.3 42.5



#6  
Aniline  
Concen: 29.952 ng  
RT: 7.133 min Scan# 688  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion: 93 Resp: 93230  
Ion Ratio Lower Upper  
93 100  
66 44.8 33.1 49.7  
65 22.0 17.0 25.4

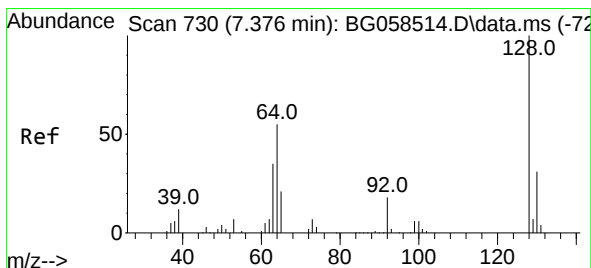
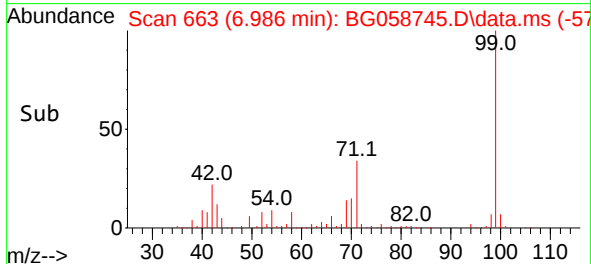
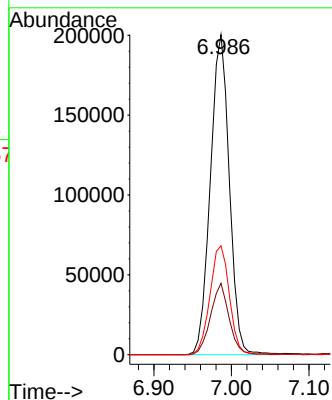
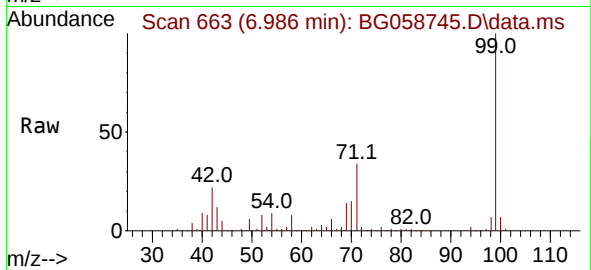




#7  
Phenol-d6  
Concen: 134.854 ng  
RT: 6.986 min Scan# 609  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

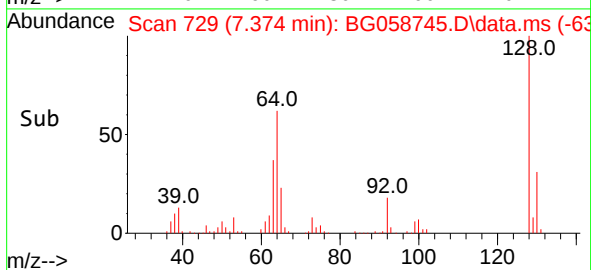
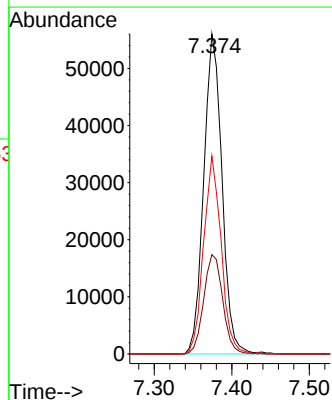
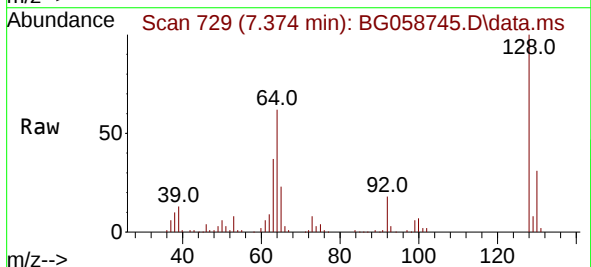
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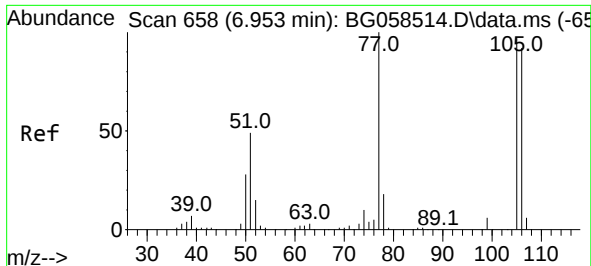
Tgt Ion: 99 Resp: 340929  
Ion Ratio Lower Upper  
99 100  
42 22.3 14.6 21.8#  
71 34.0 25.0 37.4



#8  
2-Chlorophenol  
Concen: 51.476 ng  
RT: 7.374 min Scan# 729  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
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Tgt Ion:128 Resp: 91750  
Ion Ratio Lower Upper  
128 100  
130 31.1 10.9 50.9  
64 61.9 39.0 79.0

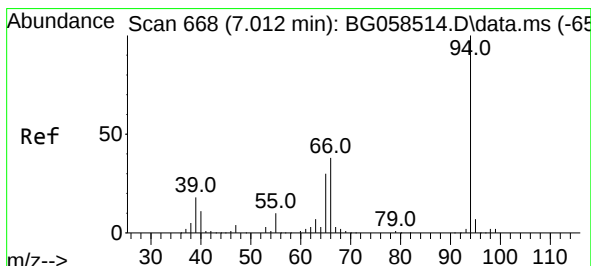
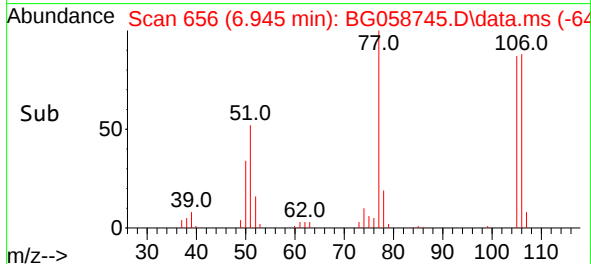
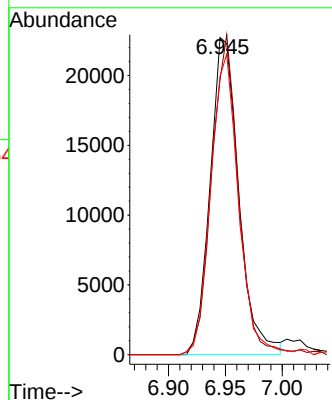
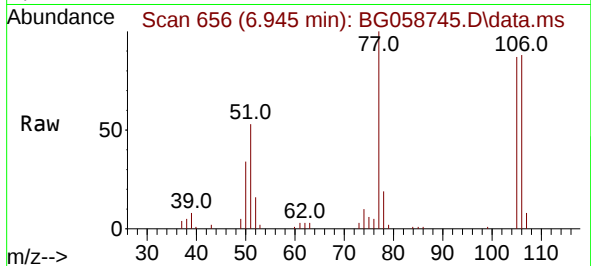




#9  
Benzaldehyde  
Concen: 28.820 ng  
RT: 6.945 min Scan# 61  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

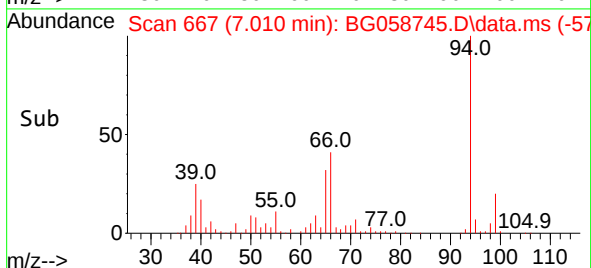
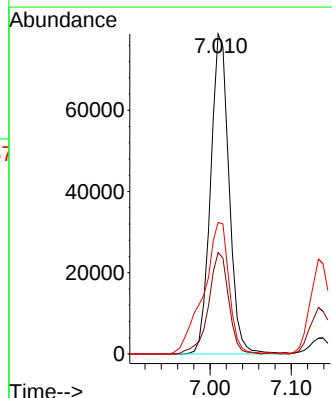
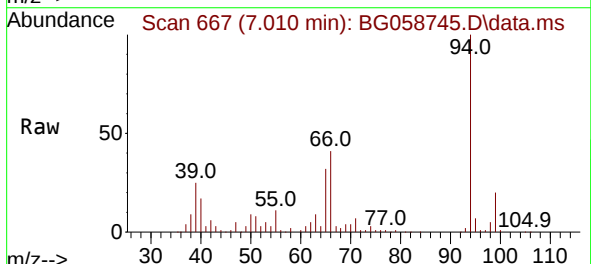
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

Tgt Ion: 77 Resp: 39585  
Ion Ratio Lower Upper  
77 100  
105 86.7 77.1 117.1  
106 87.8 71.6 111.6



#10  
Phenol  
Concen: 50.328 ng  
RT: 7.010 min Scan# 667  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion: 94 Resp: 124290  
Ion Ratio Lower Upper  
94 100  
65 31.7 10.4 50.4  
66 41.1 18.7 58.7

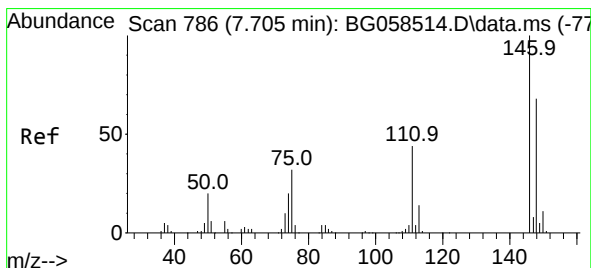
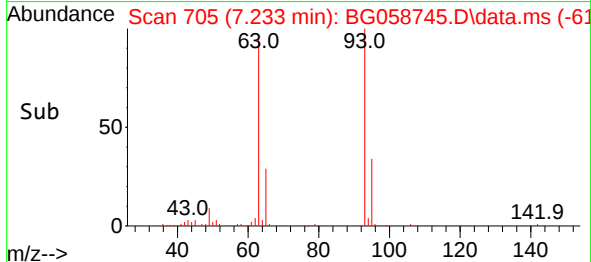
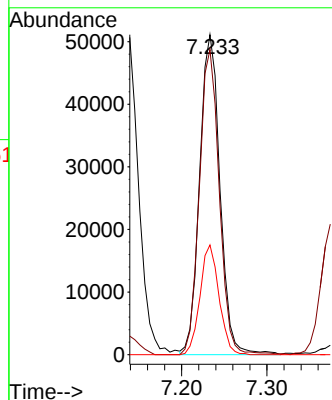
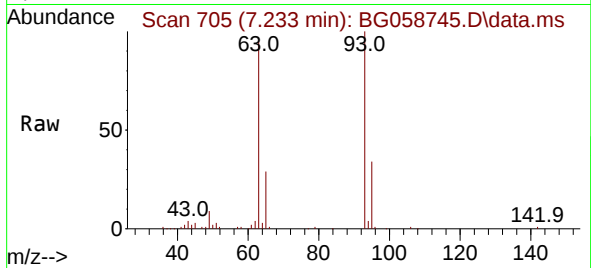




#11  
bis(2-Chloroethyl)ether  
Concen: 43.525 ng  
RT: 7.233 min Scan# 706  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

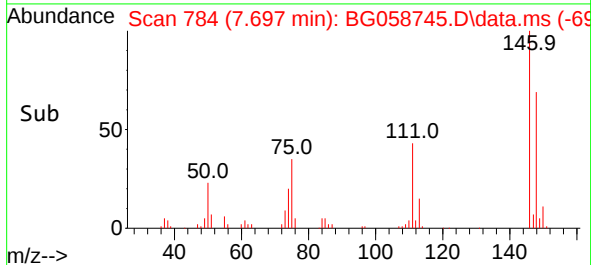
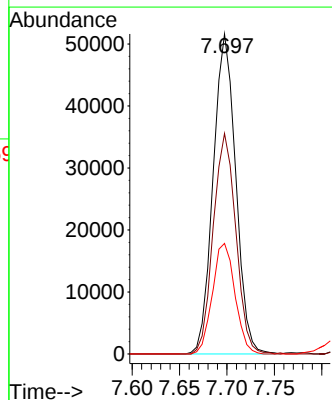
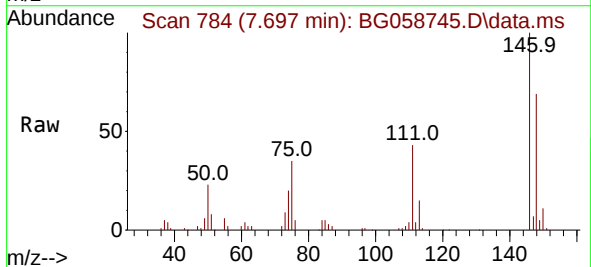
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

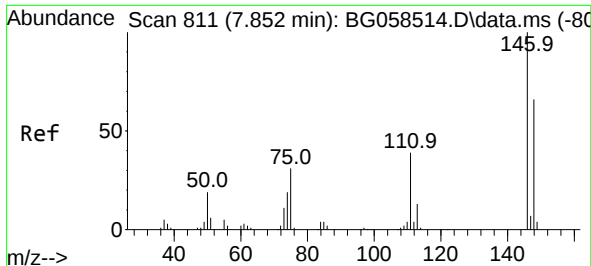
Tgt Ion: 93 Resp: 84741  
Ion Ratio Lower Upper  
93 100  
63 95.3 65.5 105.5  
95 34.3 11.2 51.2



#12  
1,3-Dichlorobenzene  
Concen: 44.935 ng  
RT: 7.697 min Scan# 784  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion: 146 Resp: 85524  
Ion Ratio Lower Upper  
146 100  
148 68.9 54.7 82.1  
75 34.5 25.8 38.8





#13

1,4-Dichlorobenzene

Concen: 47.054 ng

RT: 7.844 min Scan# 809

Delta R.T. -0.008 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

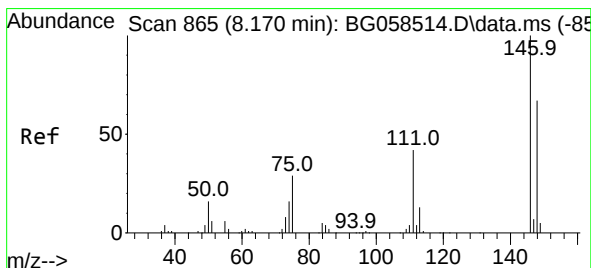
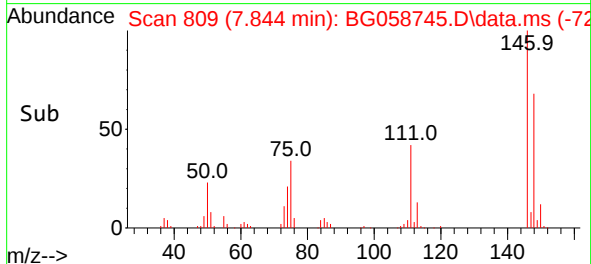
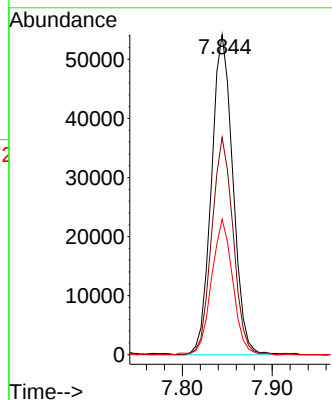
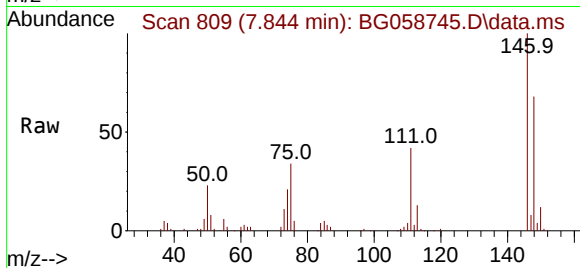
Tgt Ion:146 Resp: 89922

Ion Ratio Lower Upper

146 100

148 67.9 52.8 79.2

111 42.4 31.7 47.5



#14

1,2-Dichlorobenzene

Concen: 46.541 ng

RT: 8.162 min Scan# 863

Delta R.T. -0.008 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

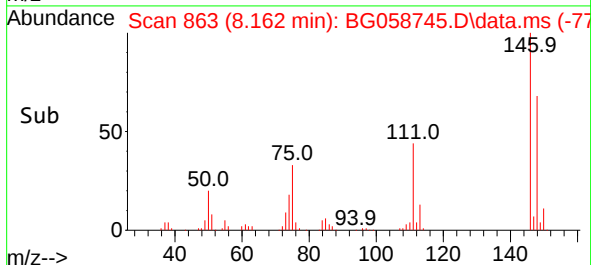
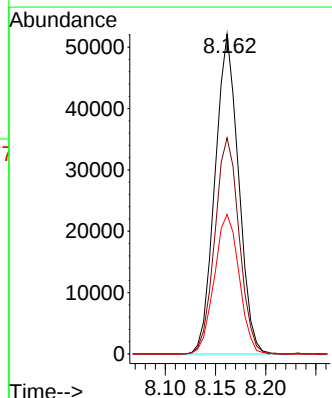
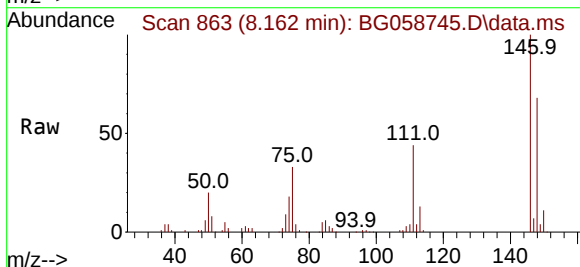
Tgt Ion:146 Resp: 85035

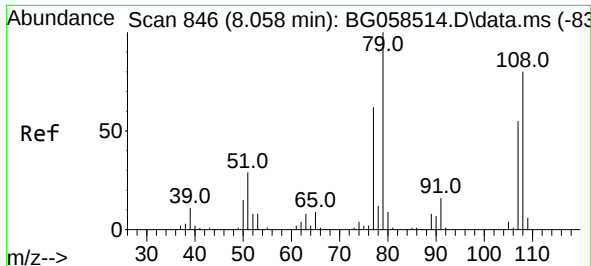
Ion Ratio Lower Upper

146 100

148 67.6 53.4 80.2

111 43.6 34.2 51.2

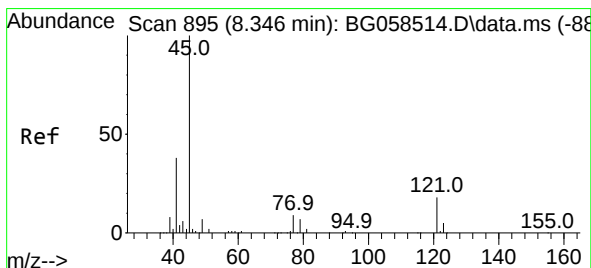
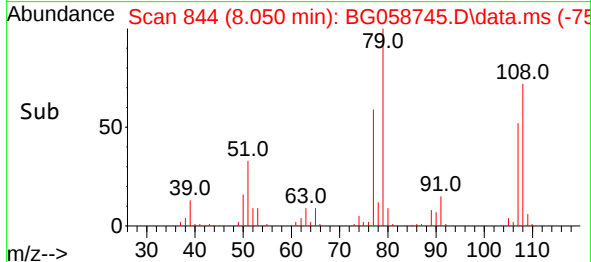
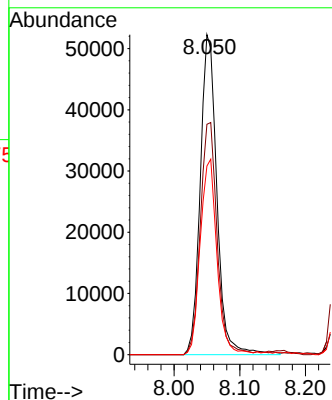
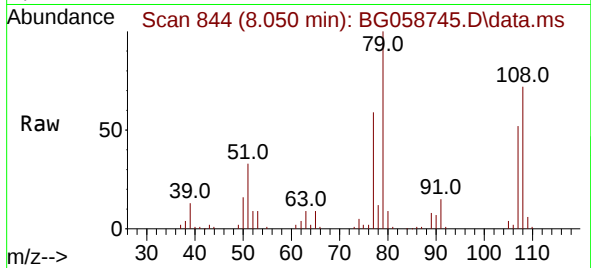




#15  
Benzyl Alcohol  
Concen: 57.606 ng  
RT: 8.050 min Scan# 846  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

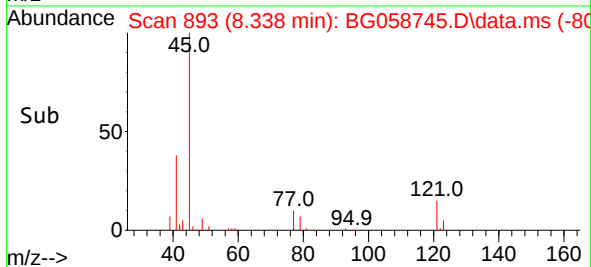
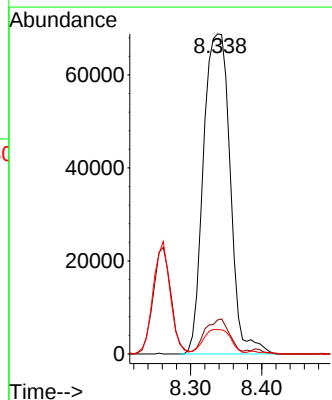
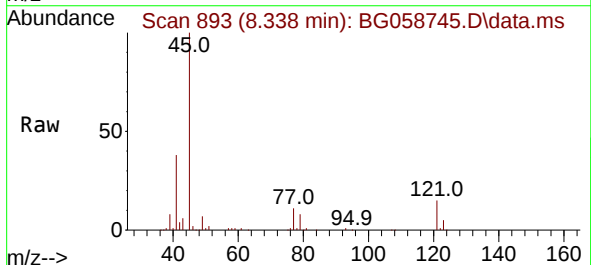
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

Tgt Ion: 79 Resp: 92359  
Ion Ratio Lower Upper  
79 100  
108 72.0 63.8 95.6  
77 59.0 49.8 74.6



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 56.922 ng  
RT: 8.338 min Scan# 893  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion: 45 Resp: 180023  
Ion Ratio Lower Upper  
45 100  
77 10.6 0.0 32.6  
79 7.6 0.0 30.2

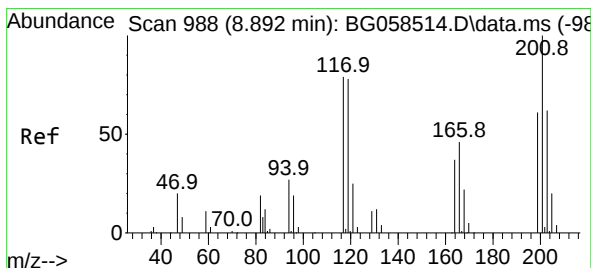
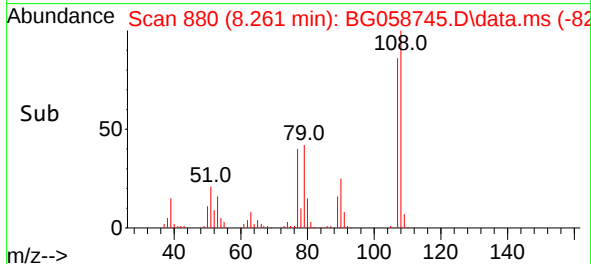
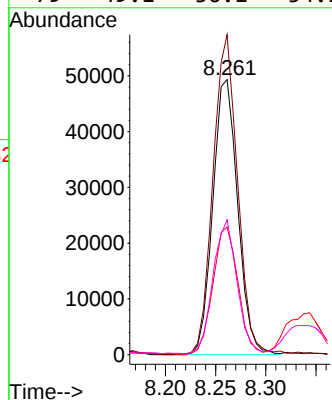
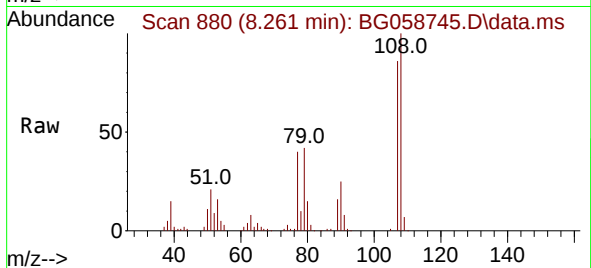




#17  
2-Methylphenol  
Concen: 47.135 ng  
RT: 8.261 min Scan# 81  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

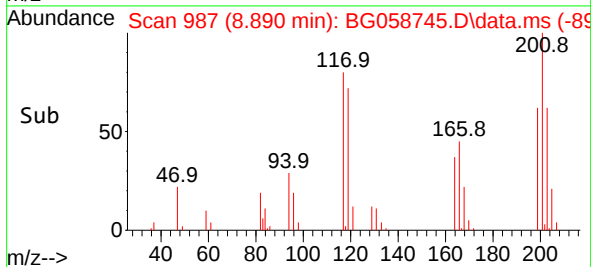
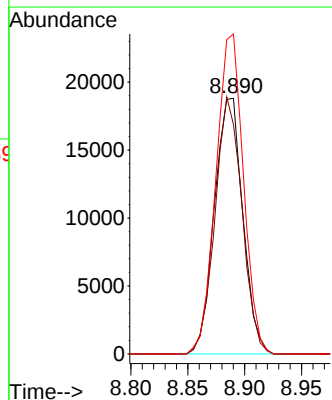
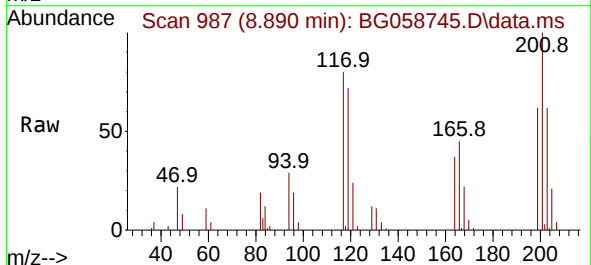
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 85112 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 116.3 | 89.1  | 133.7 |
| 77       | 46.4  | 36.2  | 54.4  |
| 79       | 49.1  | 36.1  | 54.1  |



#18  
Hexachloroethane  
Concen: 46.959 ng  
RT: 8.890 min Scan# 987  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 32618 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 89.7  | 78.6  | 117.8 |
| 201      | 125.2 | 101.4 | 152.0 |

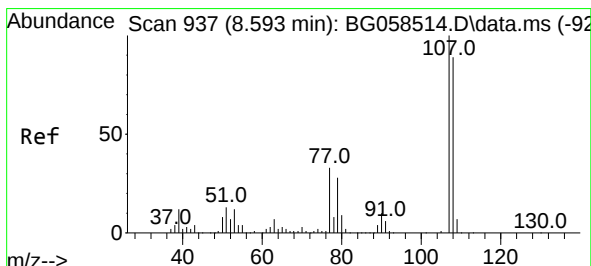
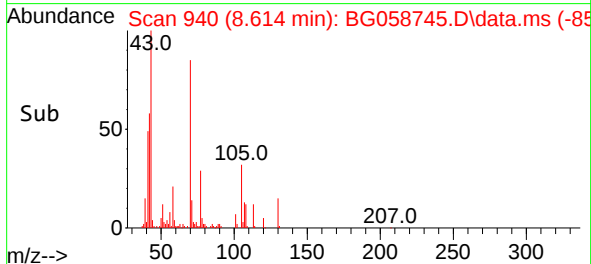
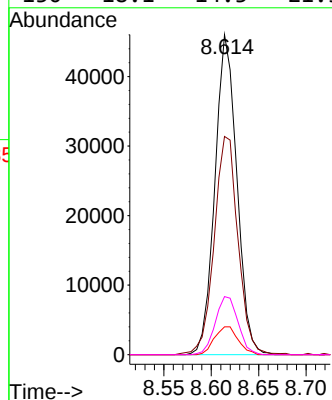
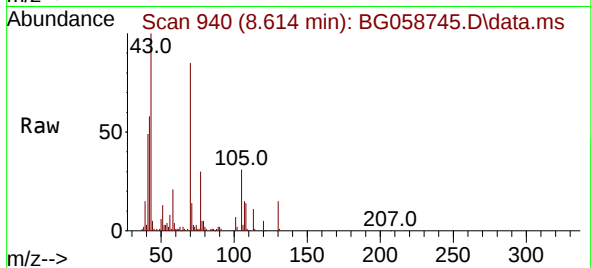




#19  
n-Nitroso-di-n-propylamine  
Concen: 45.353 ng  
RT: 8.614 min Scan# 941  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

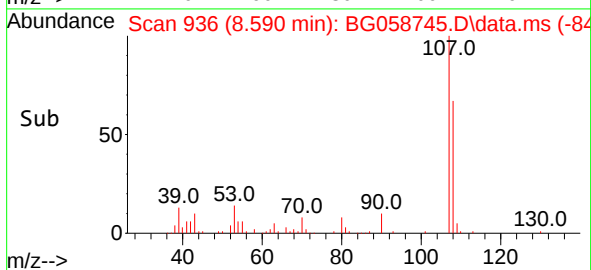
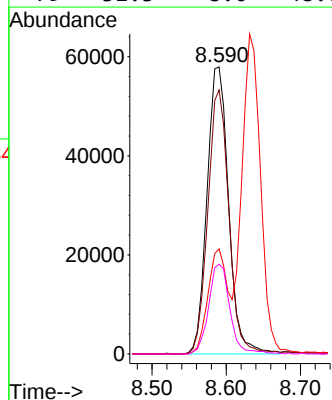
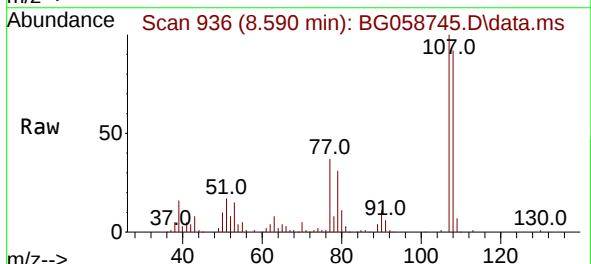
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

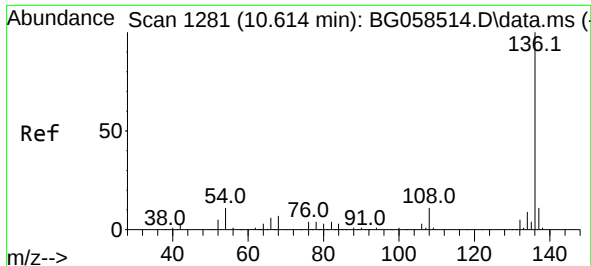
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 70    | Resp: | 74061 |
| Ion      | Ratio | Lower | Upper |
| 70       | 100   |       |       |
| 42       | 68.2  | 49.7  | 74.5  |
| 101      | 8.7   | 7.0   | 10.4  |
| 130      | 18.1  | 14.3  | 21.5  |



#20  
3+4-Methylphenols  
Concen: 48.022 ng  
RT: 8.590 min Scan# 936  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 107   | Resp: | 117294 |
| Ion      | Ratio | Lower | Upper  |
| 107      | 100   |       |        |
| 108      | 92.0  | 69.4  | 109.4  |
| 77       | 36.6  | 13.0  | 53.0   |
| 79       | 31.3  | 8.0   | 48.0   |

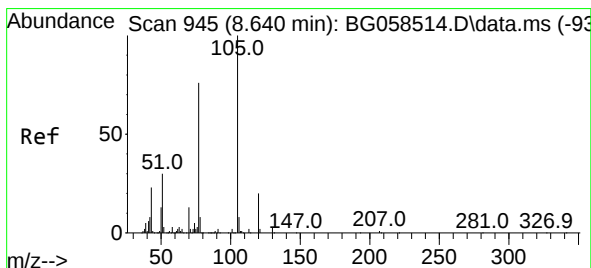
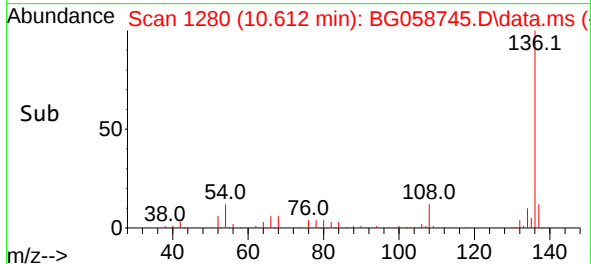
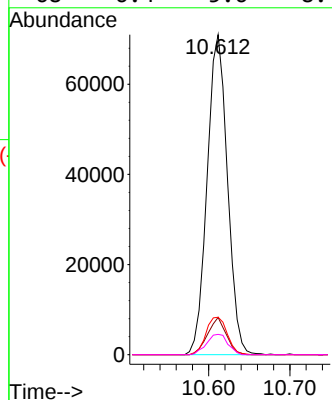
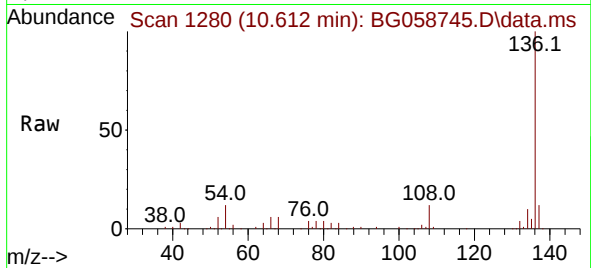




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.612 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

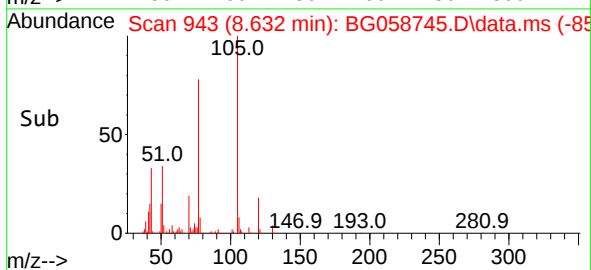
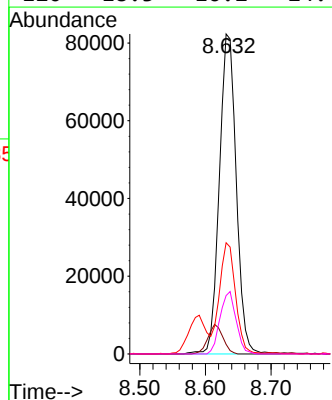
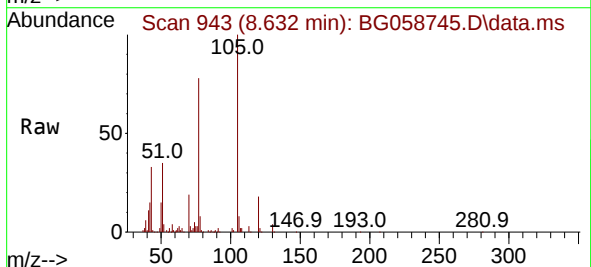
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

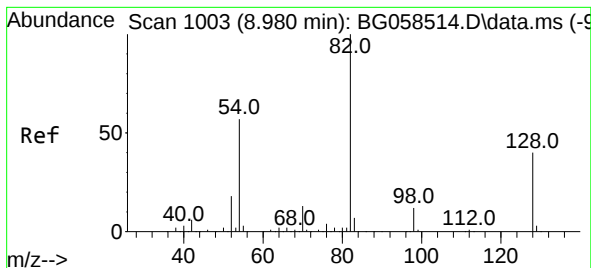
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 136   | Resp: | 123238 |
| Ion      | Ratio | Lower | Upper  |
| 136      | 100   |       |        |
| 137      | 11.7  | 8.6   | 13.0   |
| 54       | 11.7  | 8.9   | 13.3   |
| 68       | 6.4   | 5.6   | 8.4    |



#22  
Acetophenone  
Concen: 44.509 ng  
RT: 8.632 min Scan# 943  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 146873 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 71       | 3.0   | 1.8   | 2.6    |
| 51       | 34.8  | 24.2  | 36.2   |
| 120      | 18.3  | 16.2  | 24.4   |





#23

Nitrobenzene-d5

Concen: 83.316 ng

RT: 8.978 min Scan# 1002

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

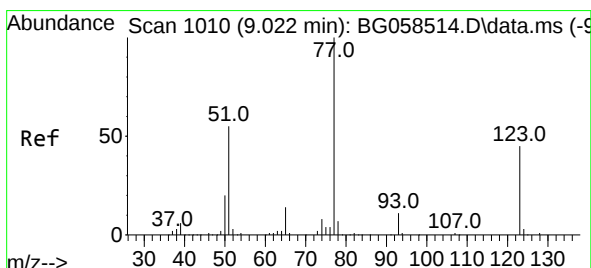
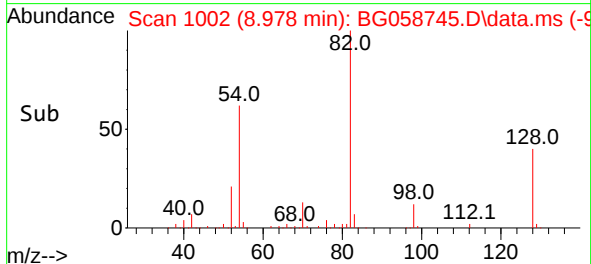
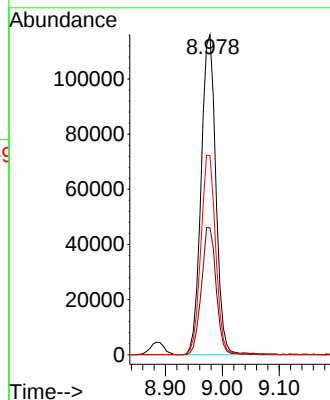
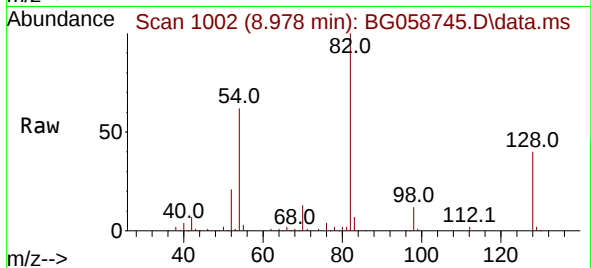
Tgt Ion: 82 Resp: 209011

Ion Ratio Lower Upper

82 100

128 39.6 32.2 48.2

54 62.3 46.0 69.0



#24

Nitrobenzene

Concen: 43.059 ng

RT: 9.019 min Scan# 1009

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

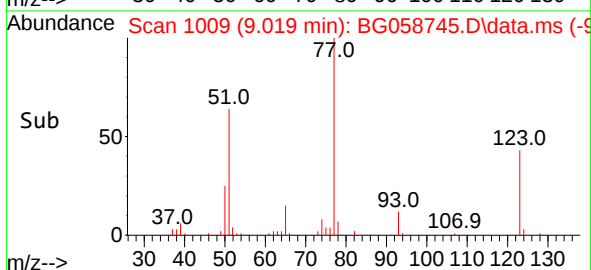
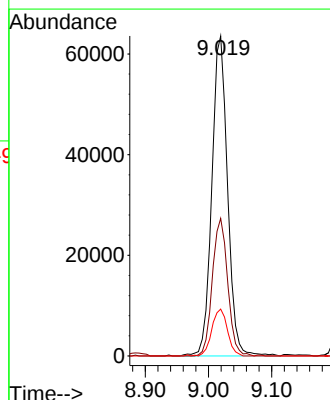
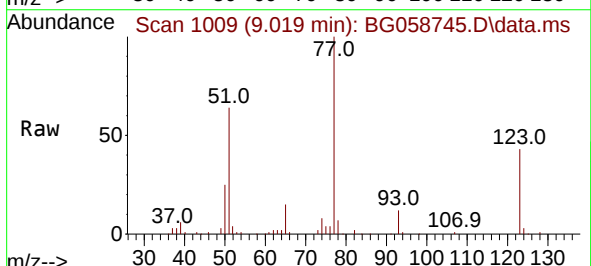
Tgt Ion: 77 Resp: 109815

Ion Ratio Lower Upper

77 100

123 43.0 35.6 53.4

65 14.7 11.4 17.0

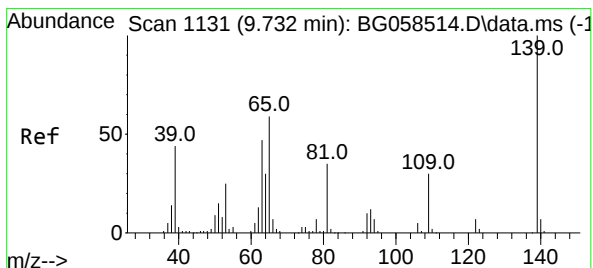
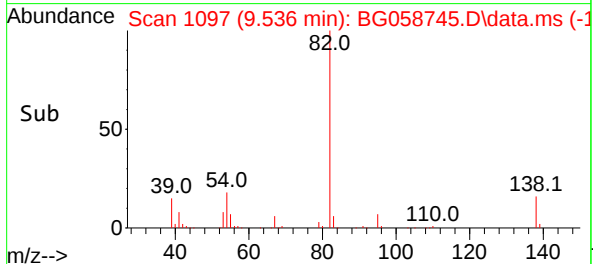
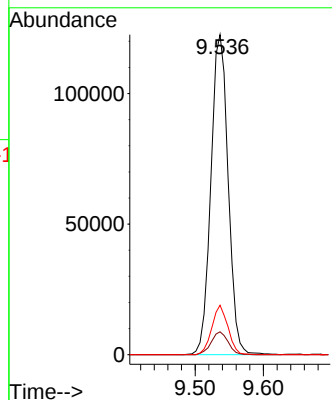
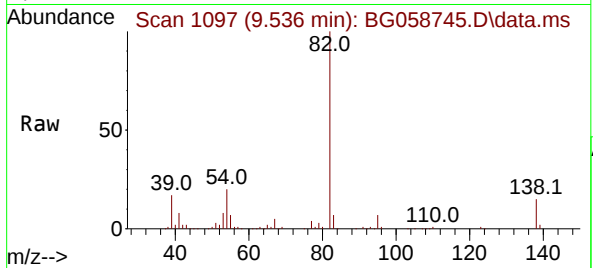




#25  
Isophorone  
Concen: 41.593 ng  
RT: 9.536 min Scan# 1098  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

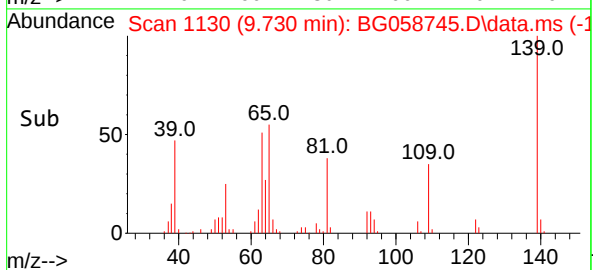
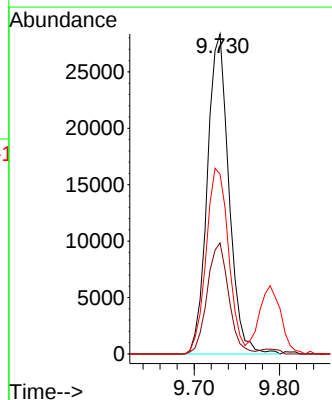
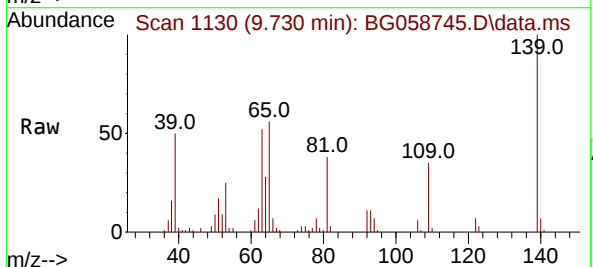
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

Tgt Ion: 82 Resp: 215589  
Ion Ratio Lower Upper  
82 100  
95 7.2 5.1 7.7  
138 15.4 11.9 17.9



#26  
2-Nitrophenol  
Concen: 44.857 ng  
RT: 9.730 min Scan# 1130  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:139 Resp: 49799  
Ion Ratio Lower Upper  
139 100  
109 34.7 24.2 36.2  
65 56.2 47.0 70.4





#27

2,4-Dimethylphenol

Concen: 45.524 ng

RT: 9.789 min Scan# 1141

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

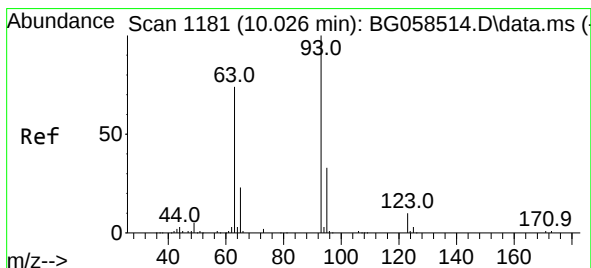
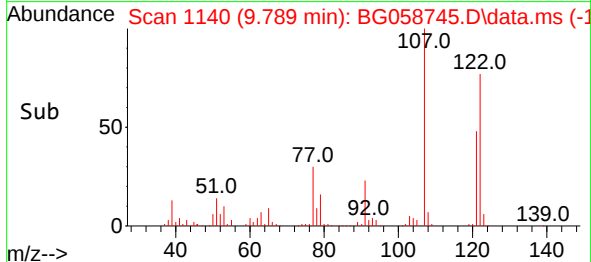
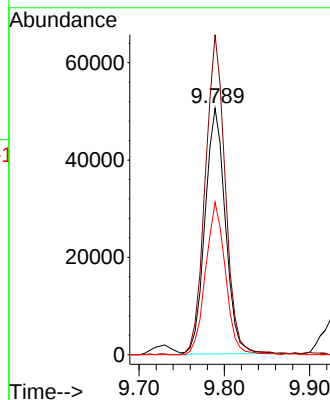
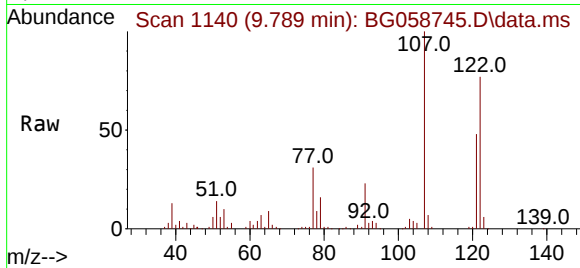
Tgt Ion:122 Resp: 83831

Ion Ratio Lower Upper

122 100

107 129.8 98.0 147.0

121 61.9 47.8 71.6



#28

bis(2-Chloroethoxy)methane

Concen: 42.536 ng

RT: 10.018 min Scan# 1179

Delta R.T. -0.008 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

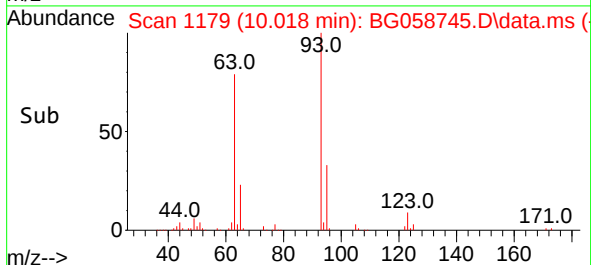
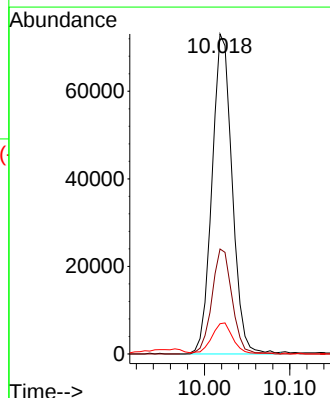
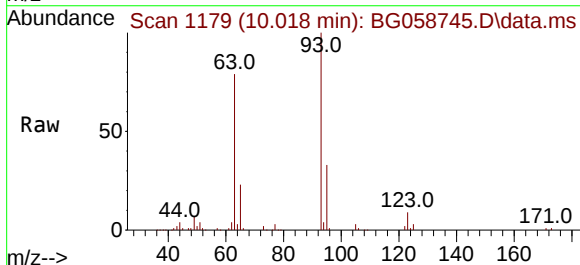
Tgt Ion: 93 Resp: 119984

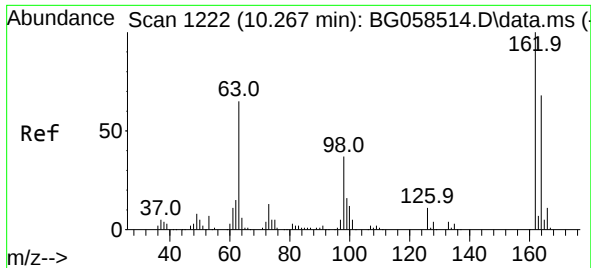
Ion Ratio Lower Upper

93 100

95 32.8 26.0 39.0

123 9.5 7.8 11.8





#29

2,4-Dichlorophenol

Concen: 48.407 ng

RT: 10.265 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

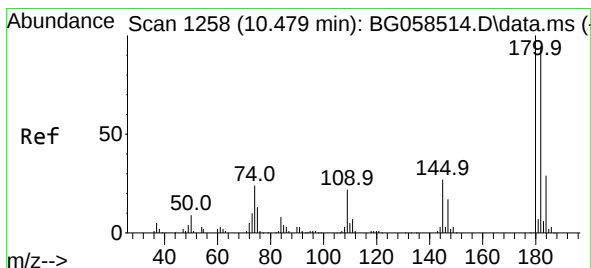
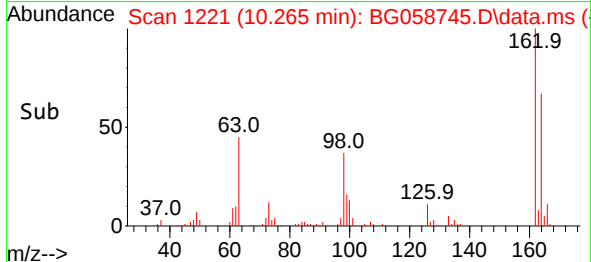
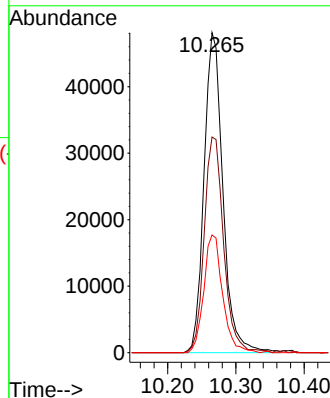
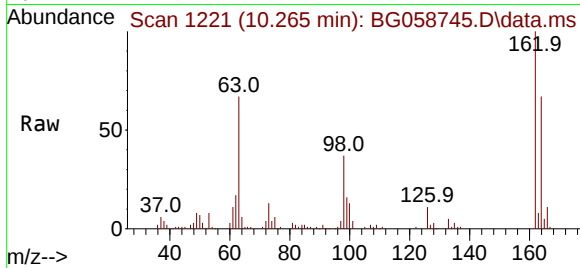
Tgt Ion:162 Resp: 92554

Ion Ratio Lower Upper

162 100

164 67.4 47.6 87.6

98 36.8 17.1 57.1



#30

1,2,4-Trichlorobenzene

Concen: 44.387 ng

RT: 10.476 min Scan# 1257

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

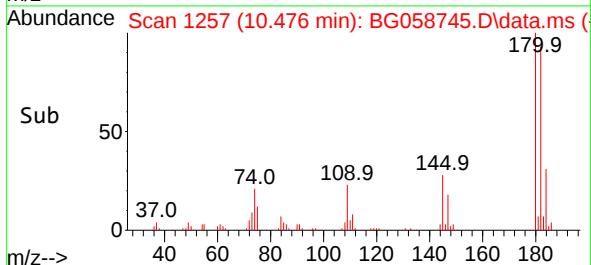
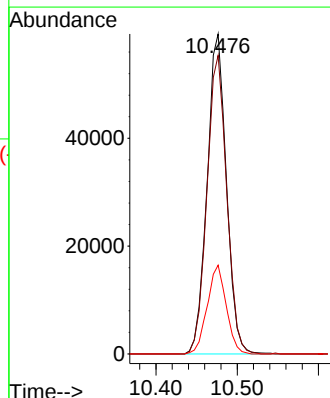
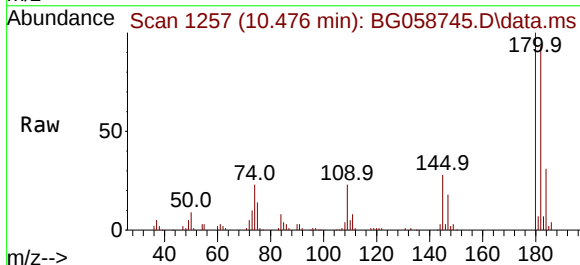
Tgt Ion:180 Resp: 97874

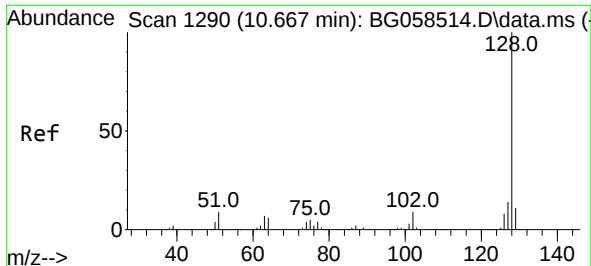
Ion Ratio Lower Upper

180 100

182 93.3 75.0 112.4

145 27.8 21.9 32.9

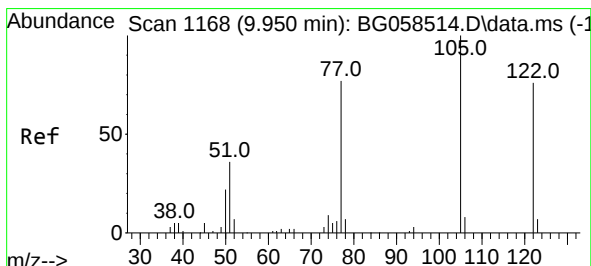
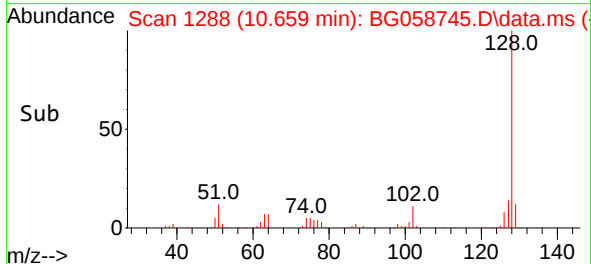
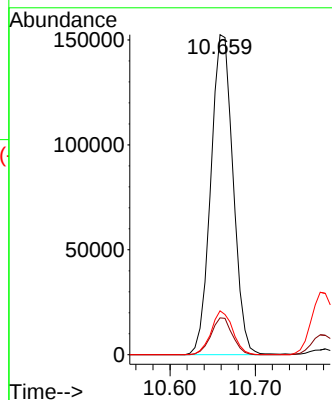
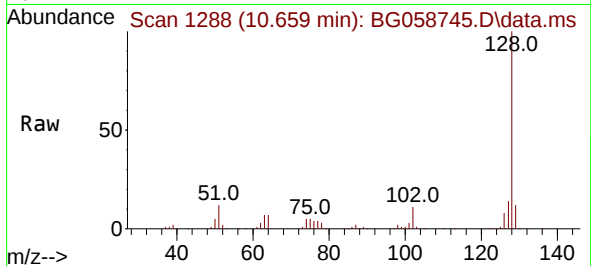




#31  
Naphthalene  
Concen: 42.613 ng  
RT: 10.659 min Scan# 1169  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

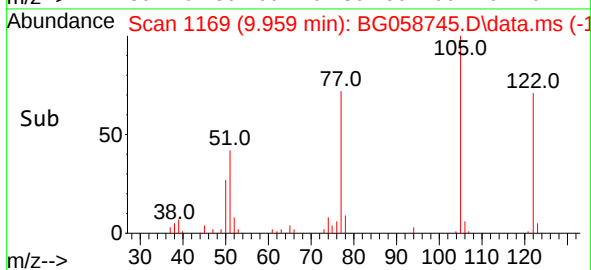
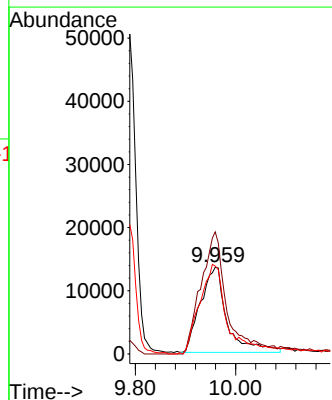
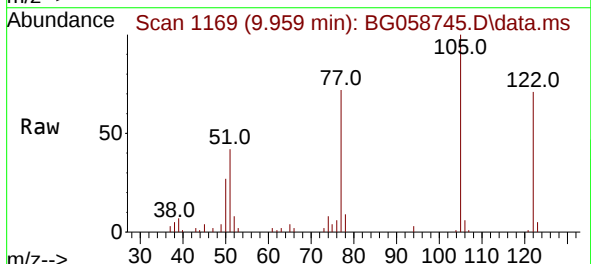
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

Tgt Ion:128 Resp: 276789  
Ion Ratio Lower Upper  
128 100  
129 11.5 8.8 13.2  
127 13.7 10.9 16.3



#32  
Benzoic acid  
Concen: 36.803 ng  
RT: 9.959 min Scan# 1169  
Delta R.T. 0.009 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:122 Resp: 50085  
Ion Ratio Lower Upper  
122 100  
105 140.9 106.5 146.5  
77 101.3 78.1 118.1

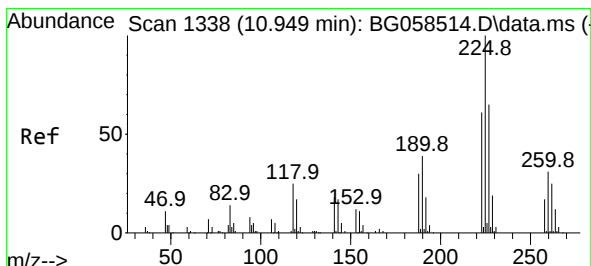
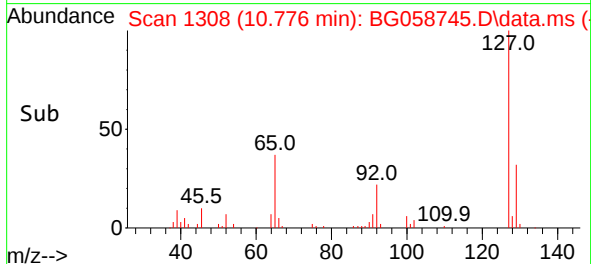
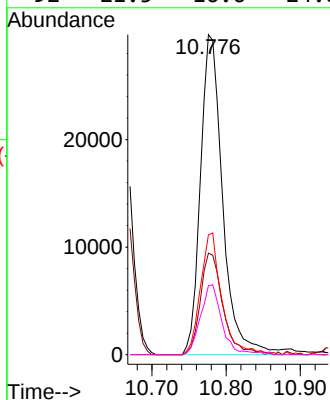
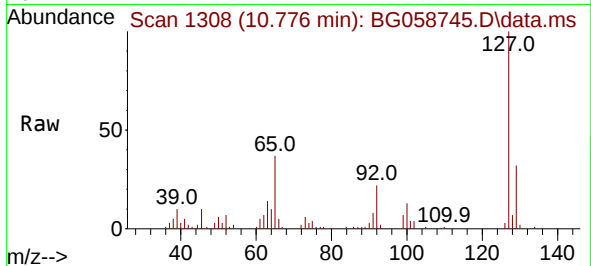




#33  
4-Chloroaniline  
Concen: 22.516 ng  
RT: 10.776 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

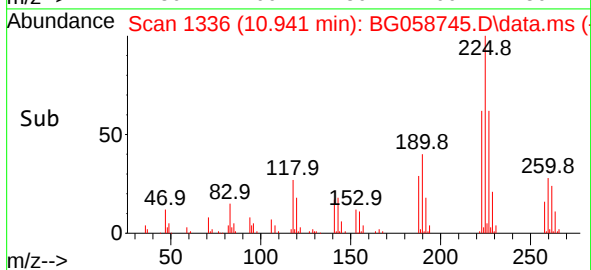
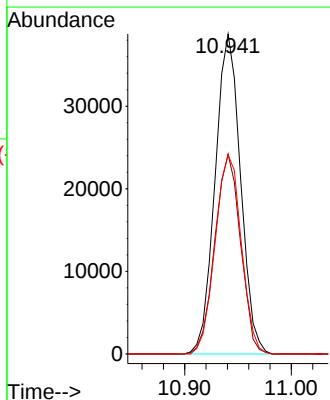
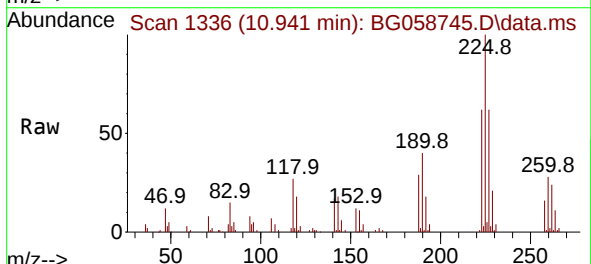
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

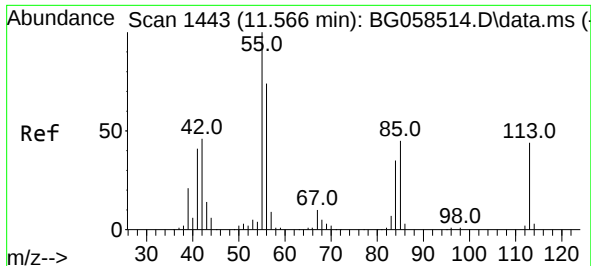
|             |             |
|-------------|-------------|
| Tgt Ion:127 | Resp: 61791 |
| Ion Ratio   | Lower Upper |
| 127 100     |             |
| 129 31.7    | 25.4 38.2   |
| 65 37.5     | 29.5 44.3   |
| 92 21.5     | 16.6 24.8   |



#34  
Hexachlorobutadiene  
Concen: 45.098 ng  
RT: 10.941 min Scan# 1336  
Delta R.T. -0.008 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

|             |             |
|-------------|-------------|
| Tgt Ion:225 | Resp: 64039 |
| Ion Ratio   | Lower Upper |
| 225 100     |             |
| 223 62.4    | 49.0 73.6   |
| 227 62.2    | 51.7 77.5   |

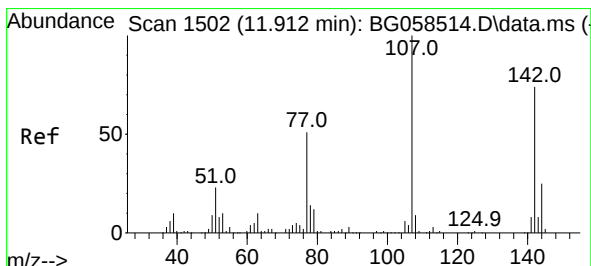
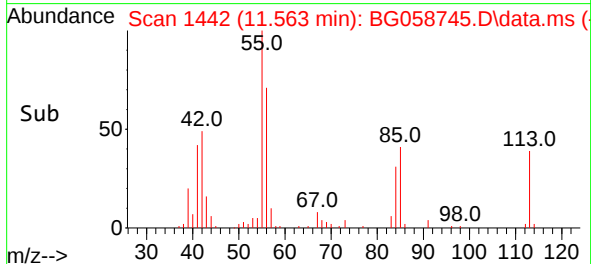
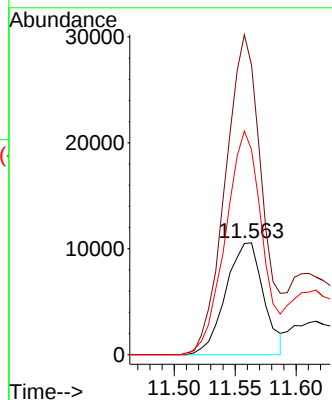
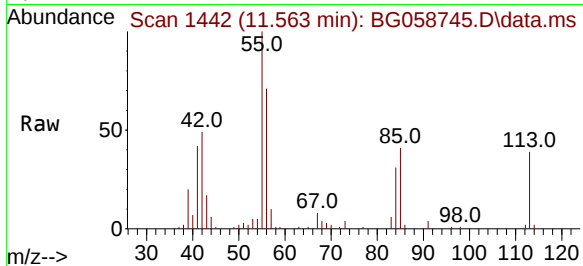




#35  
Caprolactam  
Concen: 32.265 ng  
RT: 11.563 min Scan# 1443  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

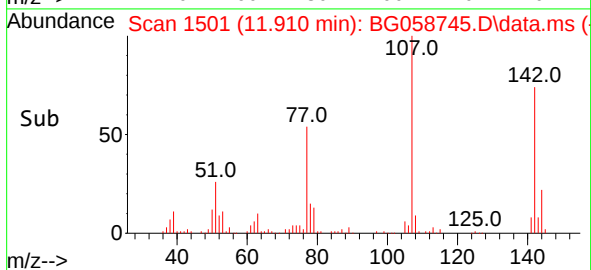
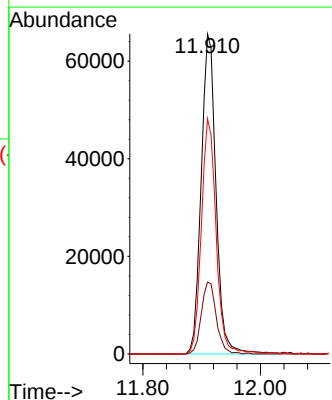
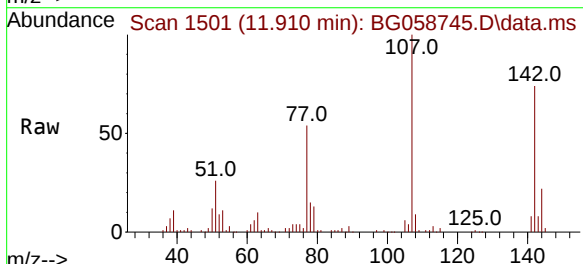
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

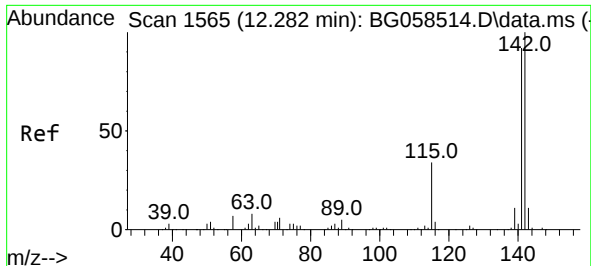
Tgt Ion:113 Resp: 22781  
Ion Ratio Lower Upper  
113 100  
55 258.8 208.0 248.0#  
56 183.1 148.6 188.6



#36  
4-Chloro-3-methylphenol  
Concen: 48.457 ng  
RT: 11.910 min Scan# 1501  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:107 Resp: 114611  
Ion Ratio Lower Upper  
107 100  
144 22.5 19.6 29.4  
142 73.5 59.3 88.9





#37

2-Methylnaphthalene

Concen: 42.286 ng

RT: 12.274 min Scan# 1

Delta R.T. -0.008 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

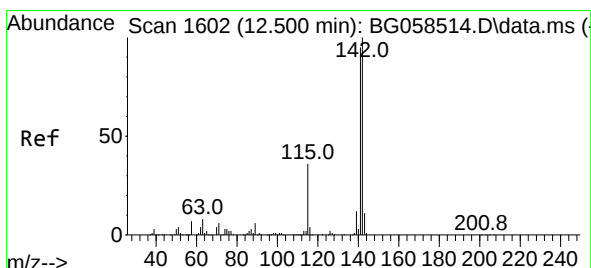
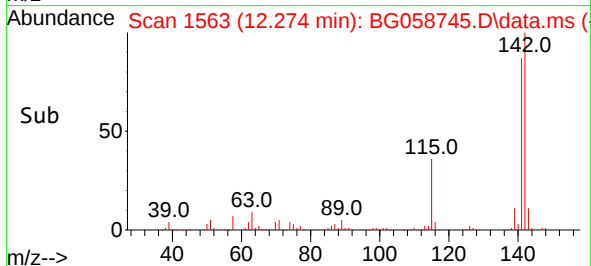
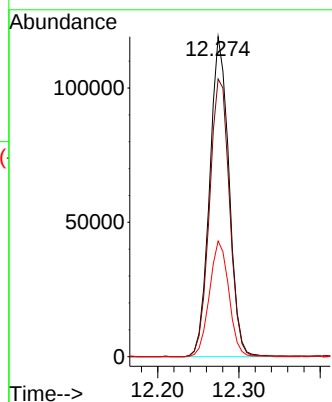
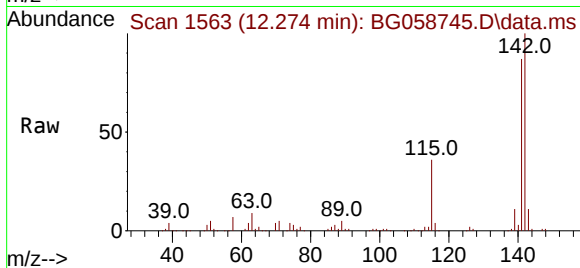
Tgt Ion:142 Resp: 196469

Ion Ratio Lower Upper

142 100

141 86.8 73.5 110.3

115 36.1 27.4 41.0



#38

1-Methylnaphthalene

Concen: 43.233 ng

RT: 12.498 min Scan# 1601

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

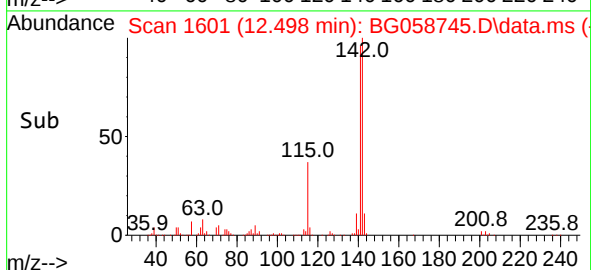
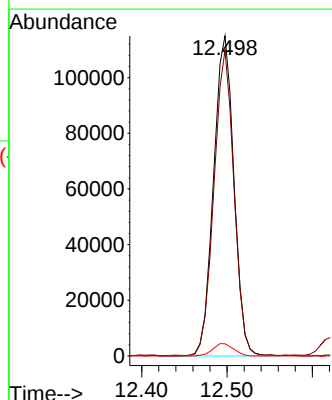
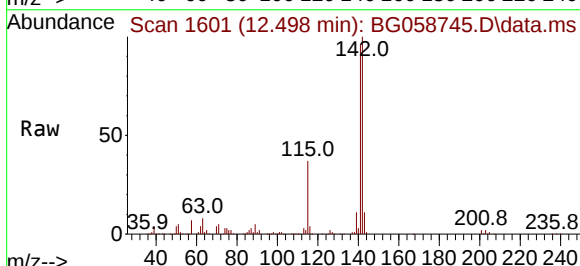
Tgt Ion:142 Resp: 190943

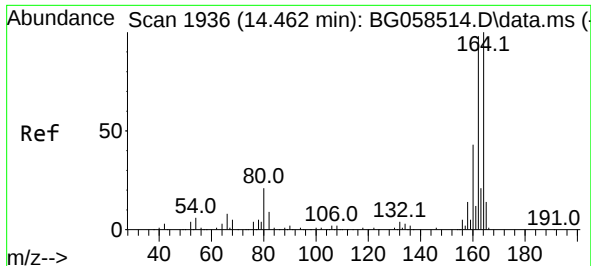
Ion Ratio Lower Upper

142 100

141 95.5 75.7 113.5

116 3.8 3.2 4.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.460 min Scan# 1936

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

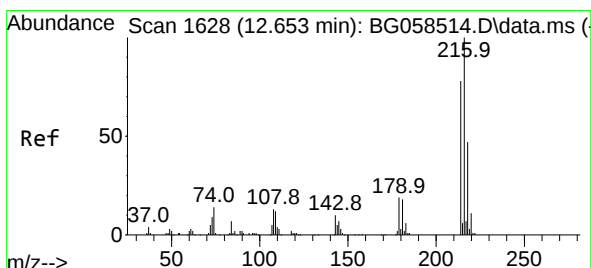
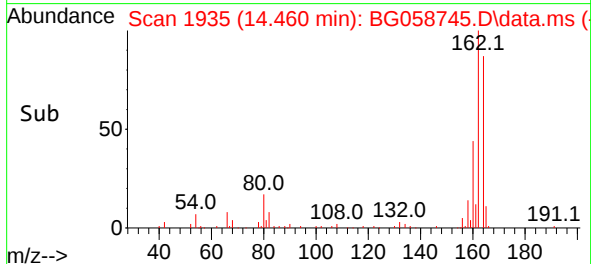
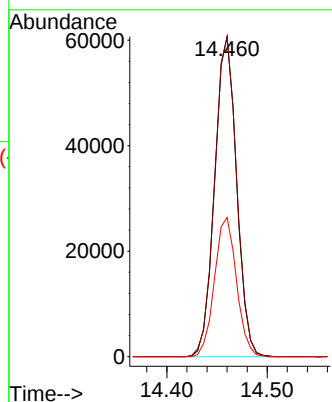
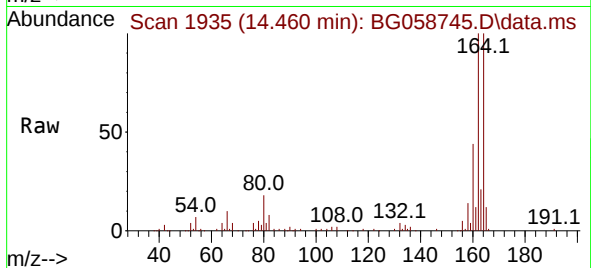
Tgt Ion:164 Resp: 91768

Ion Ratio Lower Upper

164 100

162 100.0 78.3 117.5

160 43.5 34.1 51.1



#40

1,2,4,5-Tetrachlorobenzene

Concen: 42.019 ng

RT: 12.650 min Scan# 1627

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Tgt Ion:216 Resp: 118384

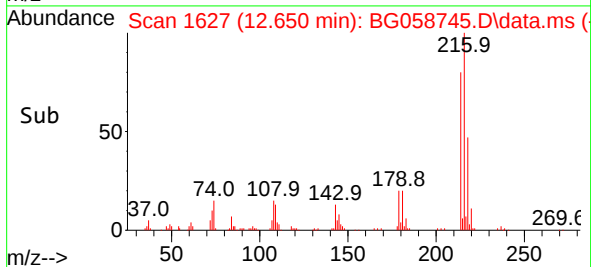
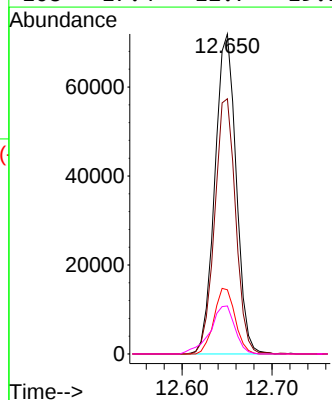
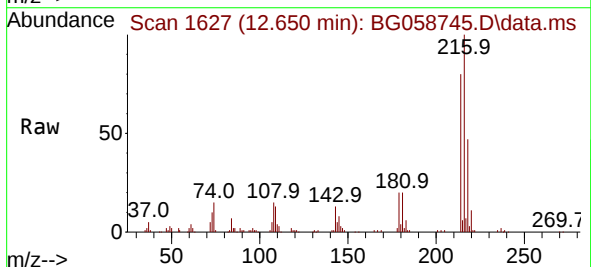
Ion Ratio Lower Upper

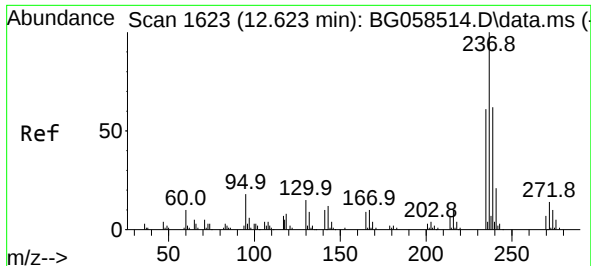
216 100

214 78.5 63.1 94.7

179 20.3 15.6 23.4

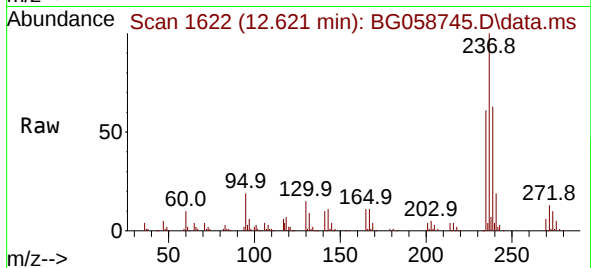
108 17.4 12.7 19.1



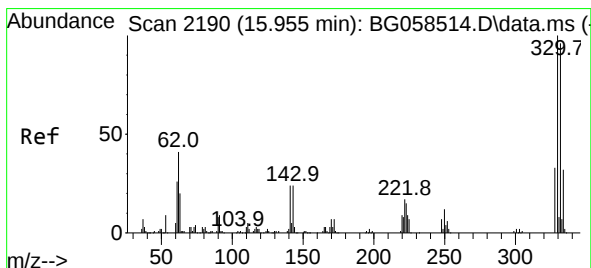
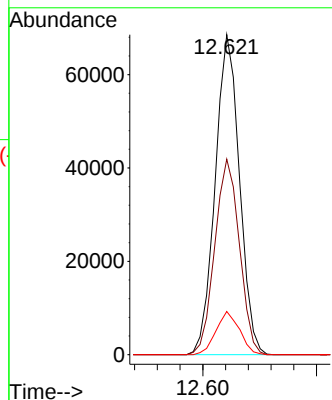
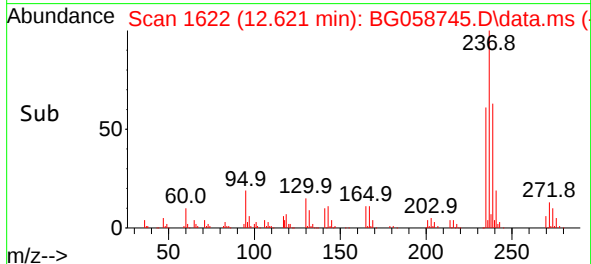


#41  
Hexachlorocyclopentadiene  
Concen: 77.956 ng  
RT: 12.621 min Scan# 1  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

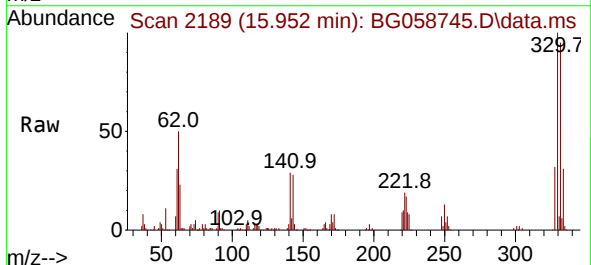
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS



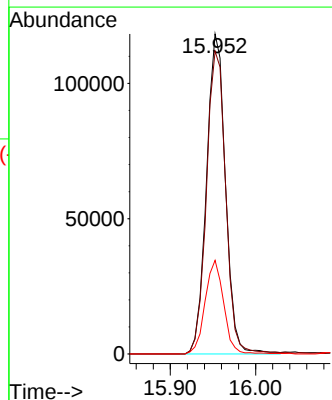
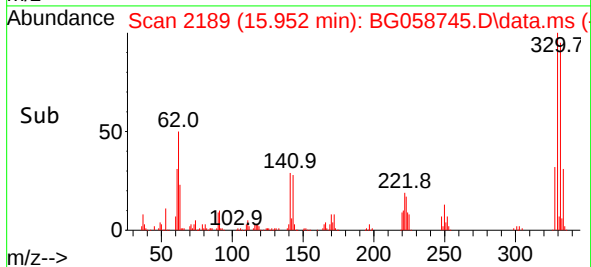
Tgt Ion:237 Resp: 101763  
Ion Ratio Lower Upper  
237 100  
235 61.1 41.0 81.0  
272 13.5 0.0 33.6

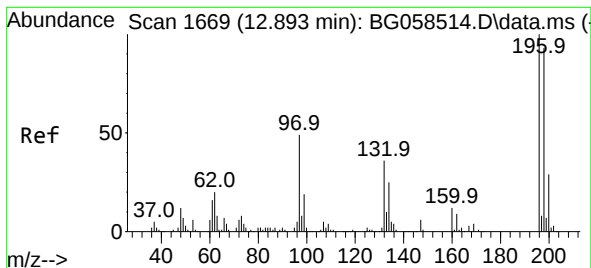


#42  
2,4,6-Tribromophenol  
Concen: 121.512 ng  
RT: 15.952 min Scan# 2189  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43



Tgt Ion:330 Resp: 182772  
Ion Ratio Lower Upper  
330 100  
332 96.5 77.5 116.3  
141 28.7 20.7 31.1





#43

2,4,6-Trichlorophenol

Concen: 43.786 ng

RT: 12.891 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

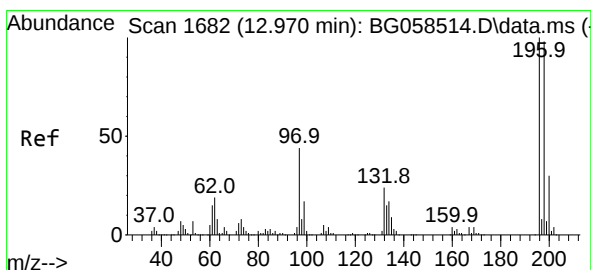
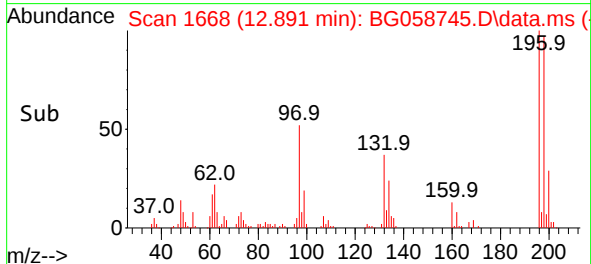
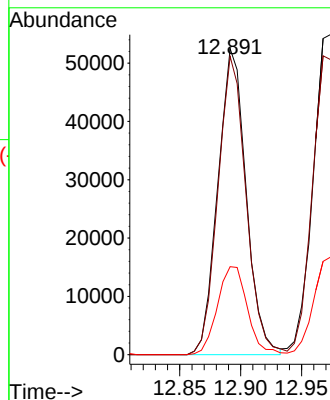
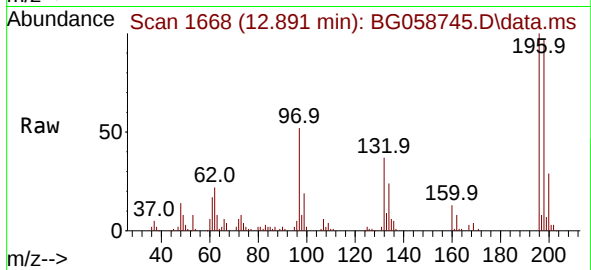
Tgt Ion:196 Resp: 84850

Ion Ratio Lower Upper

196 100

198 97.4 74.2 111.4

200 28.7 22.9 34.3



#44

2,4,5-Trichlorophenol

Concen: 41.166 ng

RT: 12.974 min Scan# 1682

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Tgt Ion:196 Resp: 93959

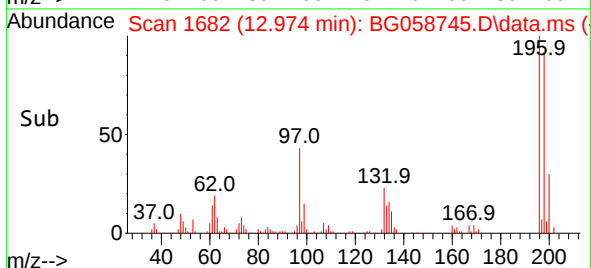
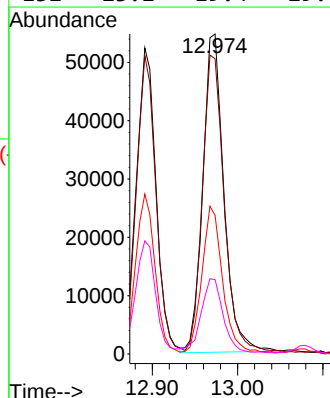
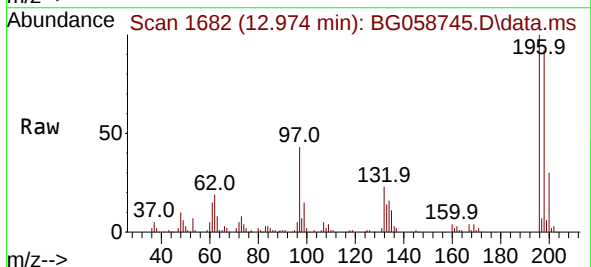
Ion Ratio Lower Upper

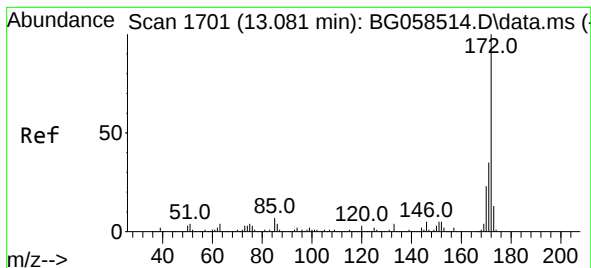
196 100

198 92.2 78.3 117.5

97 43.3 35.2 52.8

132 23.2 19.4 29.0





#45

2-Fluorobiphenyl

Concen: 81.358 ng

RT: 13.079 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

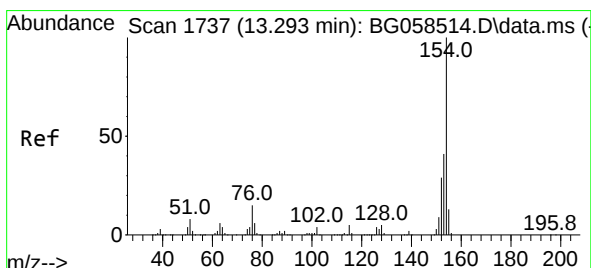
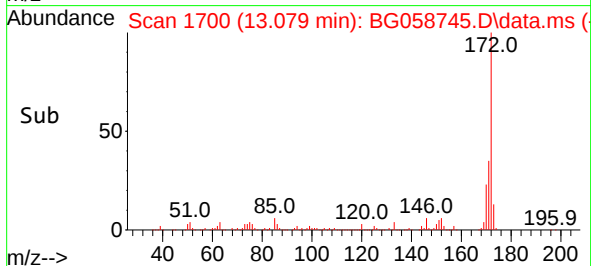
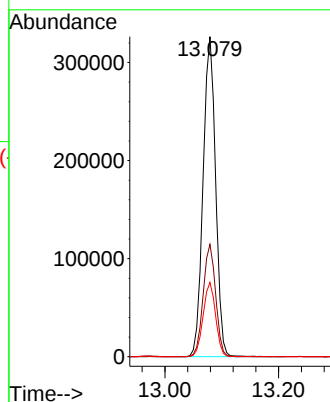
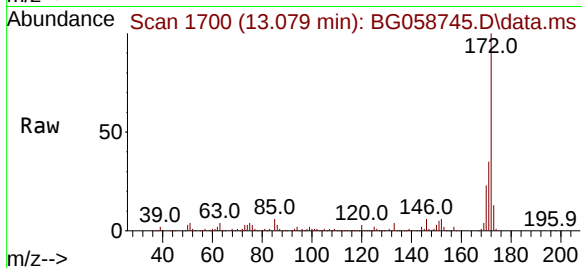
Tgt Ion:172 Resp: 498207

Ion Ratio Lower Upper

172 100

171 35.1 28.0 42.0

170 23.2 18.4 27.6



#46

1,1'-Biphenyl

Concen: 43.179 ng

RT: 13.291 min Scan# 1736

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

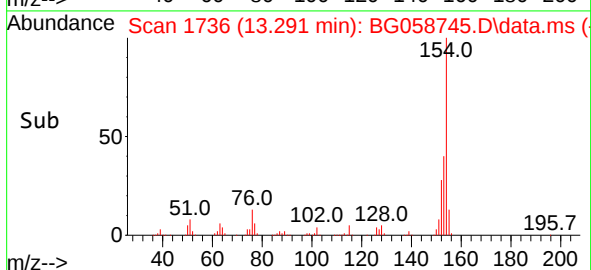
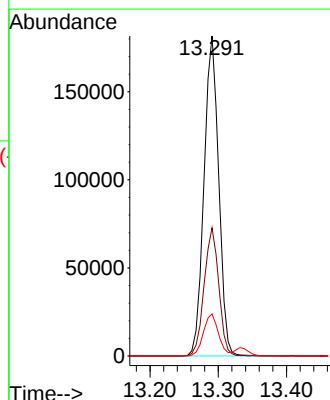
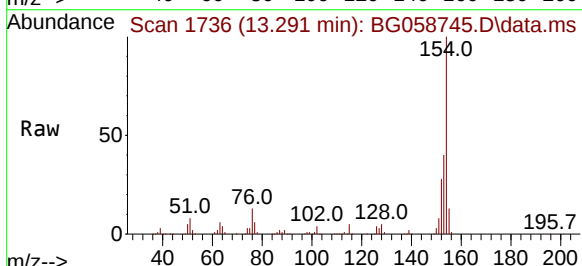
Tgt Ion:154 Resp: 272125

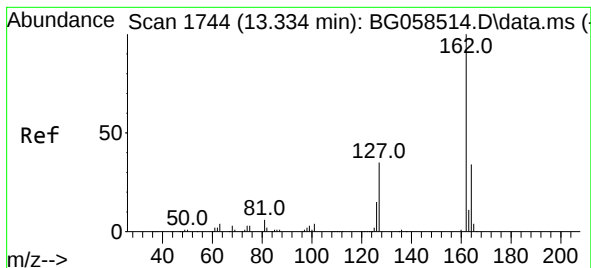
Ion Ratio Lower Upper

154 100

153 40.0 21.2 61.2

76 13.2 0.0 34.7





#47

2-Chloronaphthalene

Concen: 44.050 ng

RT: 13.332 min Scan# 1

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

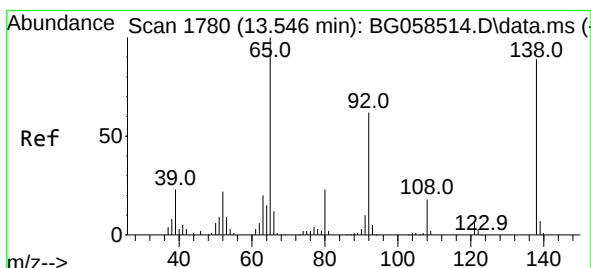
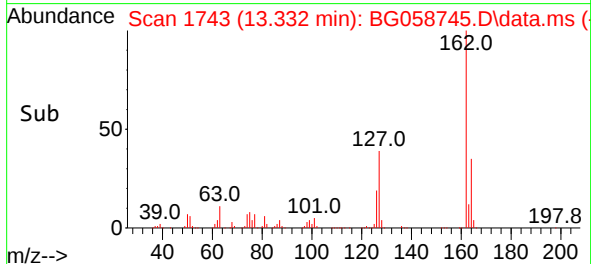
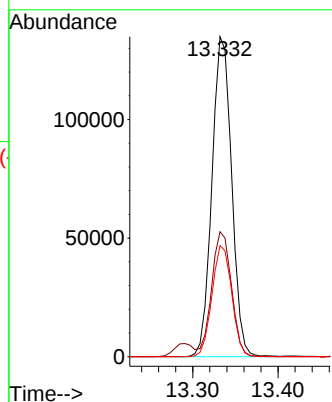
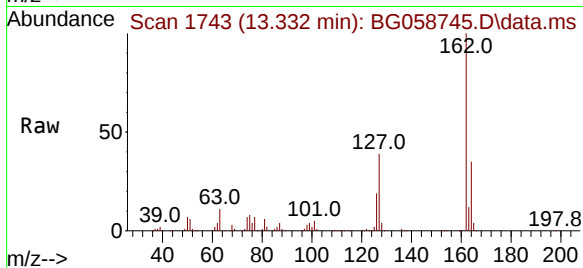
Tgt Ion:162 Resp: 216454

Ion Ratio Lower Upper

162 100

127 39.1 30.9 46.3

164 34.7 27.2 40.8



#48

2-Nitroaniline

Concen: 45.952 ng

RT: 13.543 min Scan# 1779

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

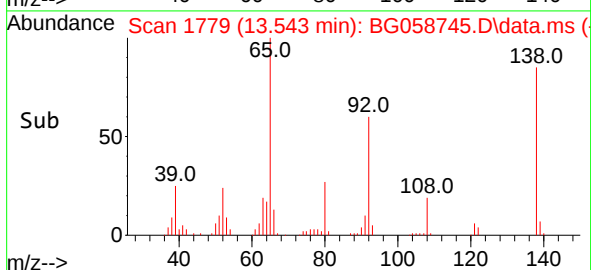
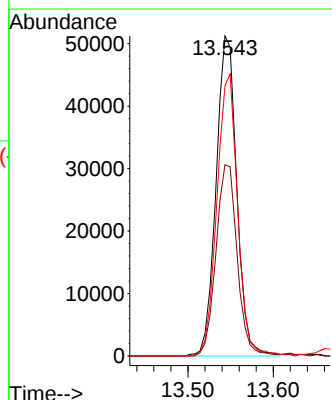
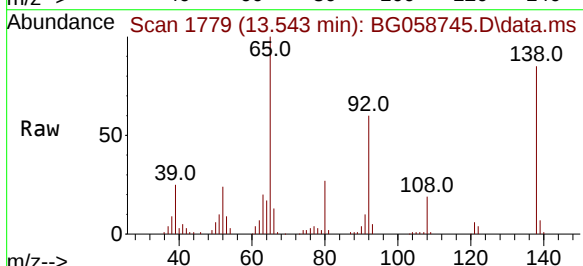
Tgt Ion: 65 Resp: 86187

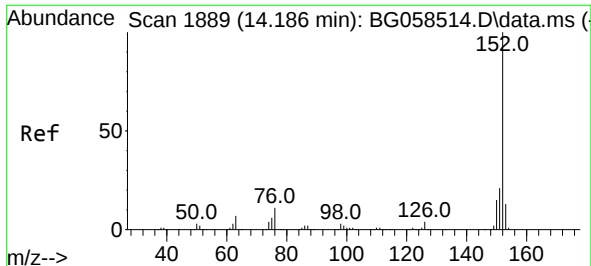
Ion Ratio Lower Upper

65 100

92 59.7 49.2 73.8

138 84.5 71.5 107.3

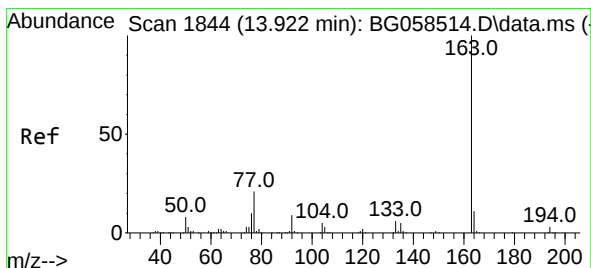
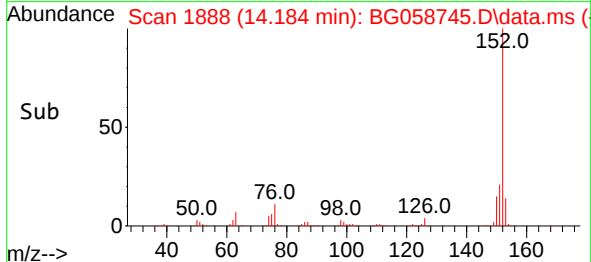
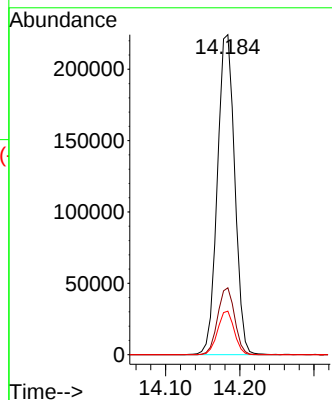
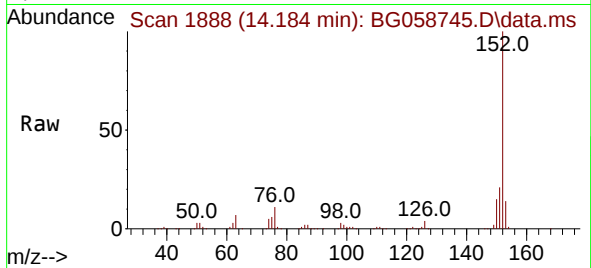




#49  
Acenaphthylene  
Concen: 44.277 ng  
RT: 14.184 min Scan# 1888  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

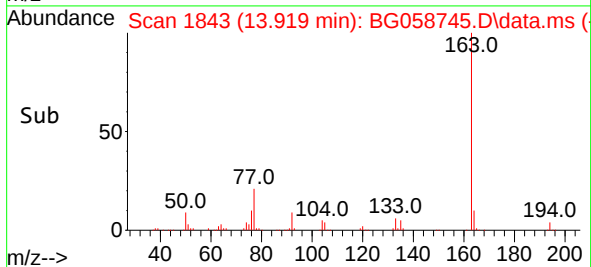
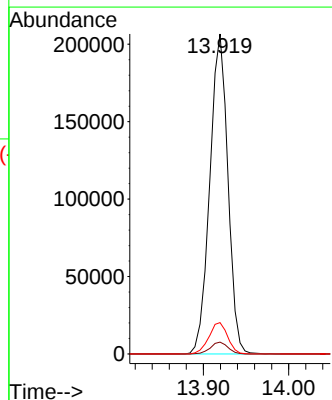
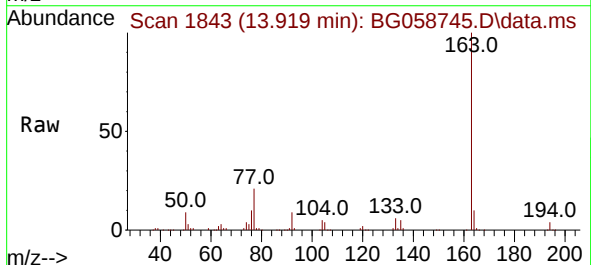
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

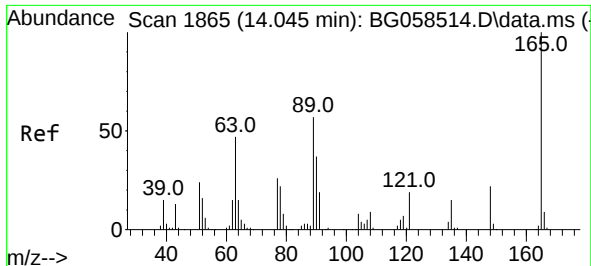
Tgt Ion:152 Resp: 364259  
Ion Ratio Lower Upper  
152 100  
151 20.9 16.5 24.7  
153 13.6 10.7 16.1



#50  
Dimethylphthalate  
Concen: 44.207 ng  
RT: 13.919 min Scan# 1843  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:163 Resp: 304672  
Ion Ratio Lower Upper  
163 100  
194 3.7 2.7 4.1  
164 9.8 8.6 12.8

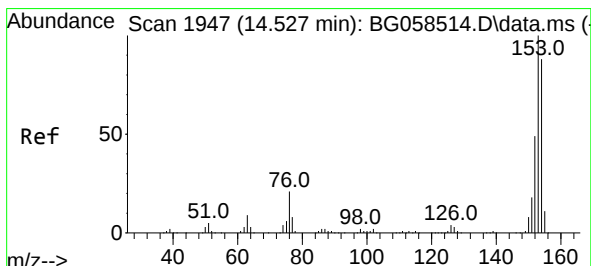
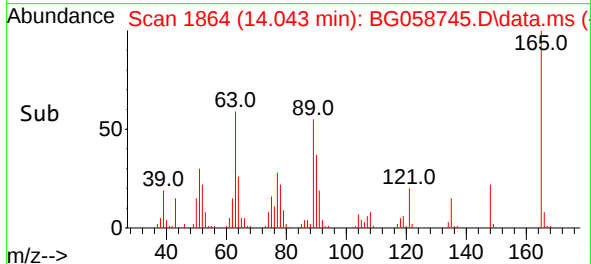
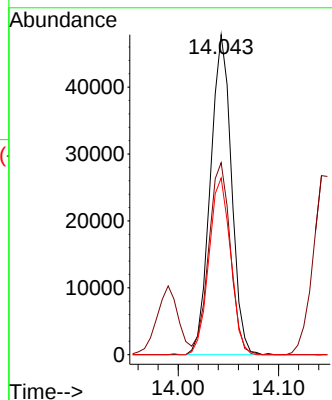
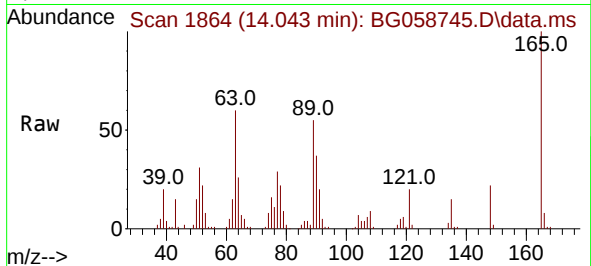




#51  
2,6-Dinitrotoluene  
Concen: 46.070 ng  
RT: 14.043 min Scan# 1865  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

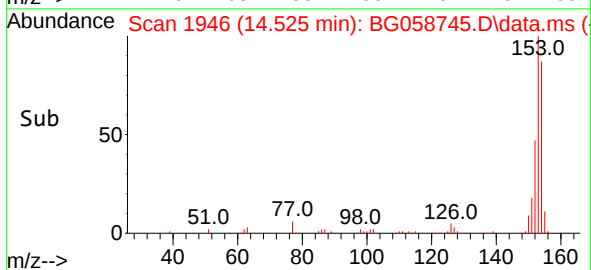
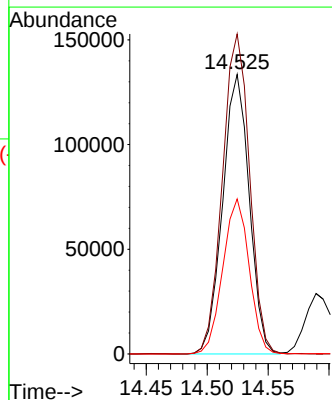
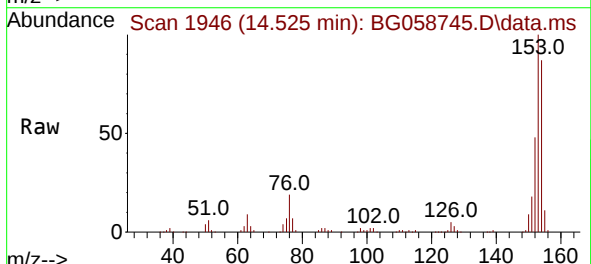
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

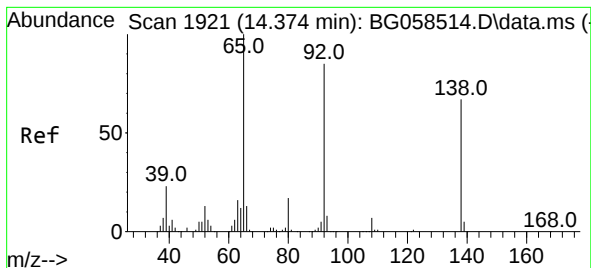
Tgt Ion:165 Resp: 69668  
Ion Ratio Lower Upper  
165 100  
63 60.0 46.4 69.6  
89 55.2 45.3 67.9



#52  
Acenaphthene  
Concen: 42.591 ng  
RT: 14.525 min Scan# 1946  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:154 Resp: 202462  
Ion Ratio Lower Upper  
154 100  
153 114.5 91.1 136.7  
152 55.4 44.6 66.8

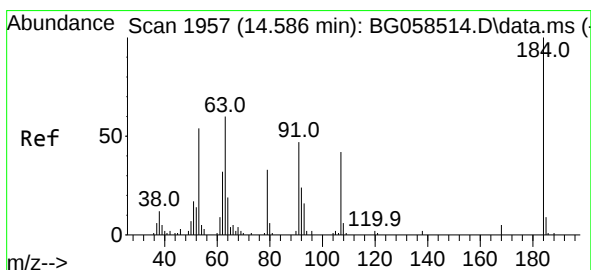
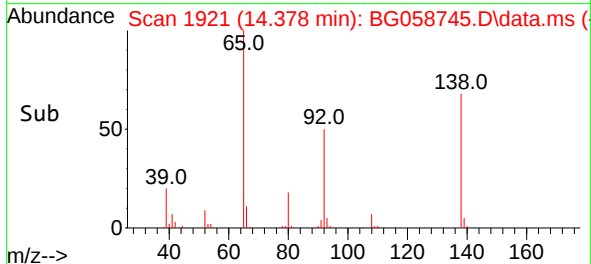
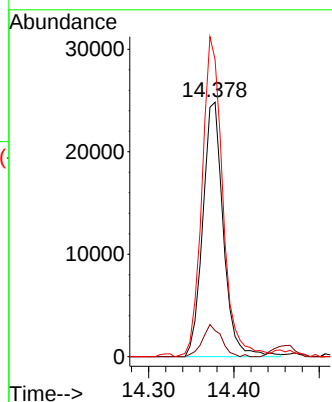
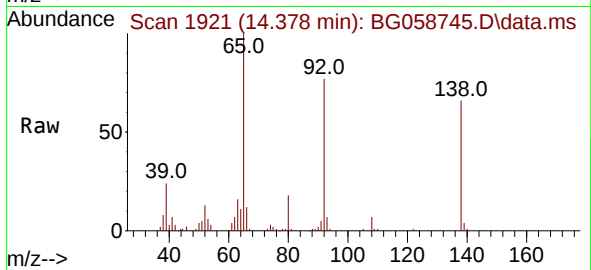




#53  
3-Nitroaniline  
Concen: 27.464 ng  
RT: 14.378 min Scan# 1921  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

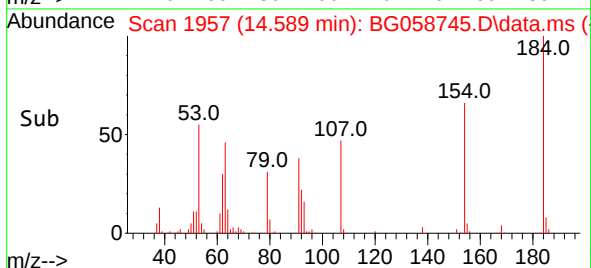
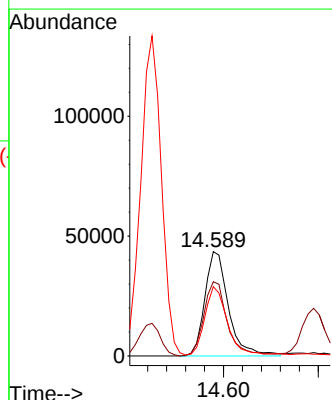
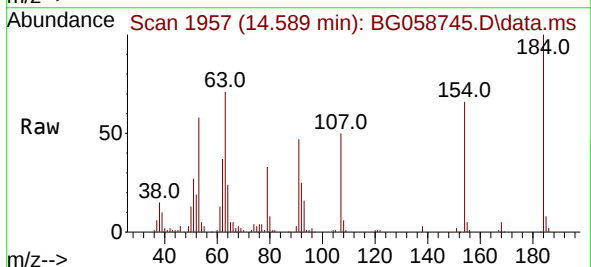
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

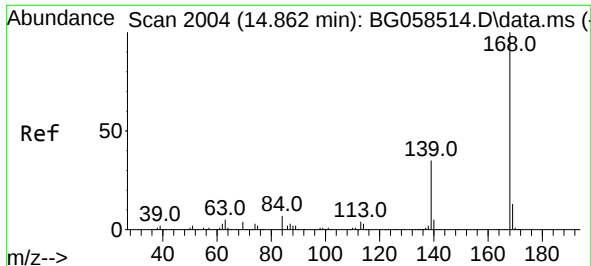
Tgt Ion:138 Resp: 41552  
Ion Ratio Lower Upper  
138 100  
108 10.2 8.3 12.5  
92 116.7 101.1 151.7



#54  
2,4-Dinitrophenol  
Concen: 87.467 ng  
RT: 14.589 min Scan# 1957  
Delta R.T. 0.003 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:184 Resp: 75220  
Ion Ratio Lower Upper  
184 100  
63 71.3 56.7 85.1  
154 66.5 46.1 69.1

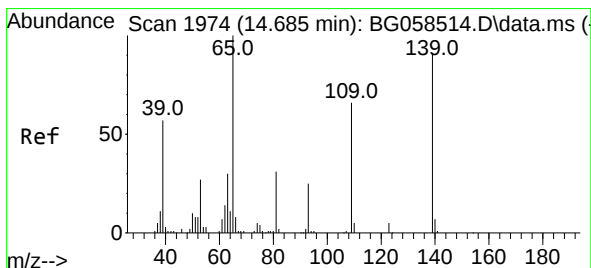
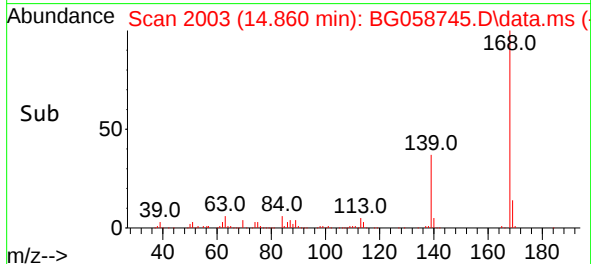
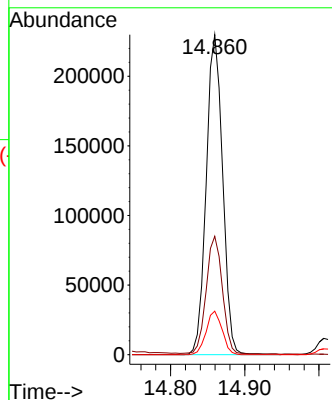
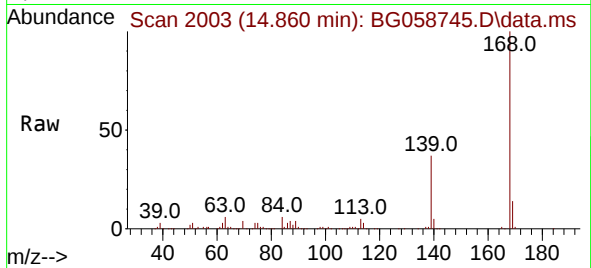




#55  
Dibenzofuran  
Concen: 43.189 ng  
RT: 14.860 min Scan# 20  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

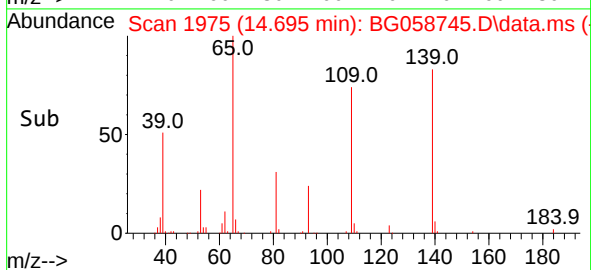
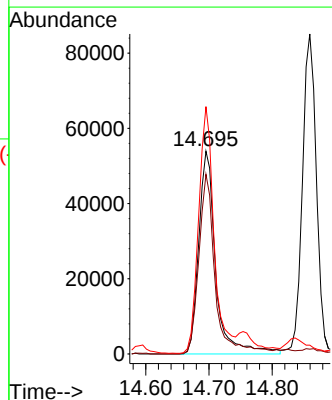
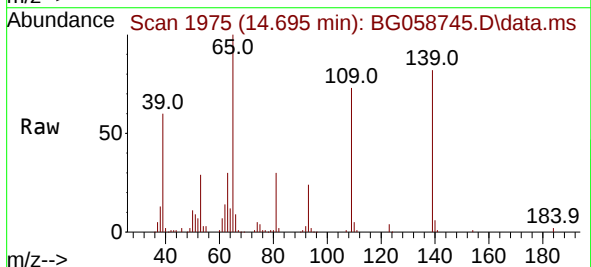
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

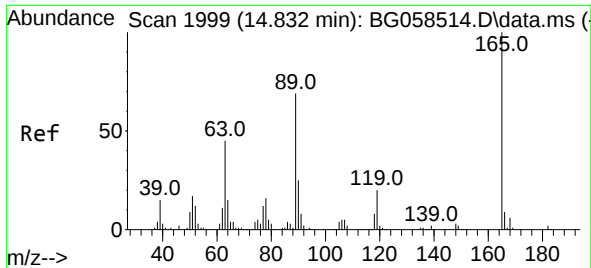
Tgt Ion:168 Resp: 352779  
Ion Ratio Lower Upper  
168 100  
139 37.0 27.8 41.8  
169 13.6 10.6 16.0



#56  
4-Nitrophenol  
Concen: 89.854 ng  
RT: 14.695 min Scan# 1975  
Delta R.T. 0.010 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:139 Resp: 101215  
Ion Ratio Lower Upper  
139 100  
109 88.6 52.5 92.5  
65 122.0 90.5 130.5

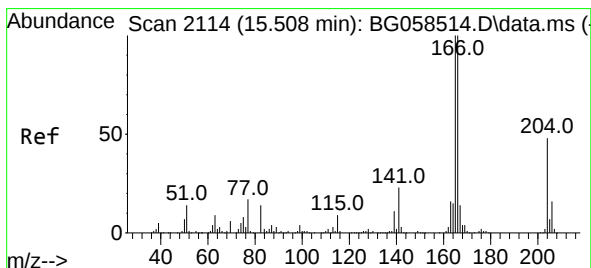
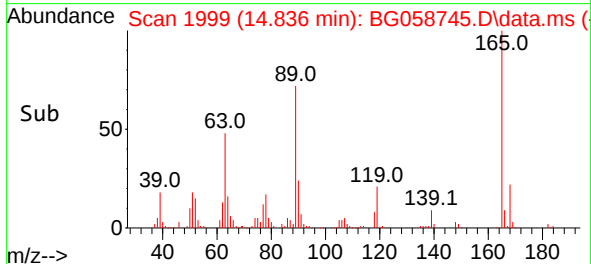
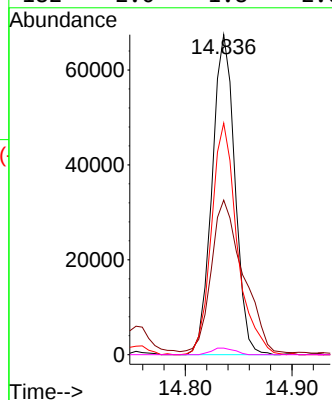
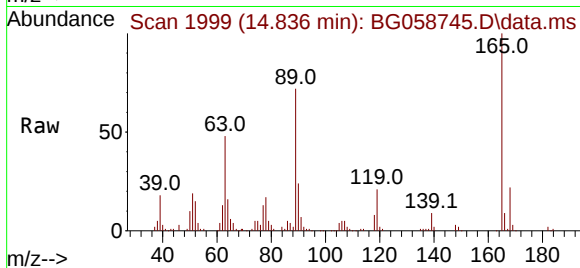




#57  
2,4-Dinitrotoluene  
Concen: 47.828 ng  
RT: 14.836 min Scan# 1999  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

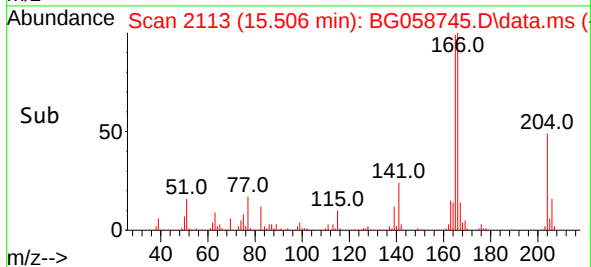
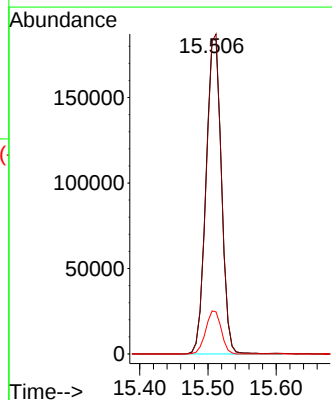
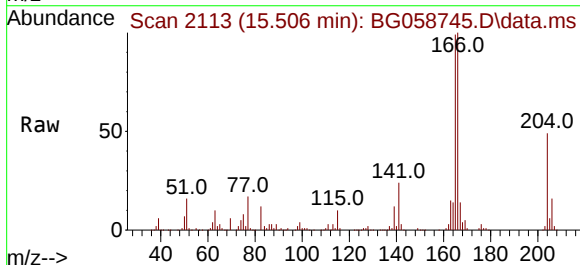
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 165   | Resp: | 100272 |
| Ion      | Ratio | Lower | Upper  |
| 165      | 100   |       |        |
| 63       | 48.3  | 36.6  | 54.8   |
| 89       | 72.4  | 55.4  | 83.0   |
| 182      | 2.0   | 1.8   | 2.6    |



#58  
Fluorene  
Concen: 44.722 ng  
RT: 15.506 min Scan# 2113  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 166   | Resp: | 290197 |
| Ion      | Ratio | Lower | Upper  |
| 166      | 100   |       |        |
| 165      | 99.3  | 80.0  | 120.0  |
| 167      | 13.7  | 11.3  | 16.9   |

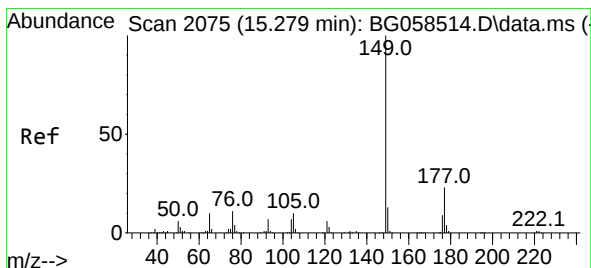
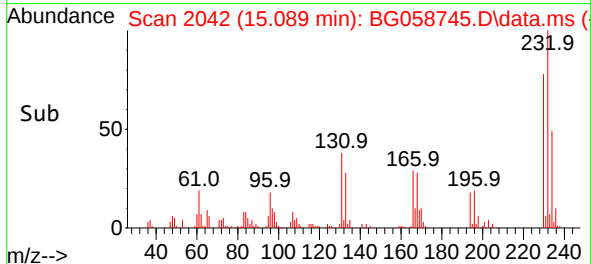
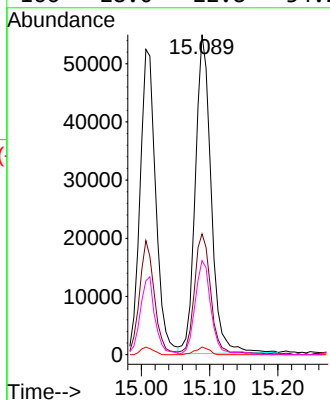
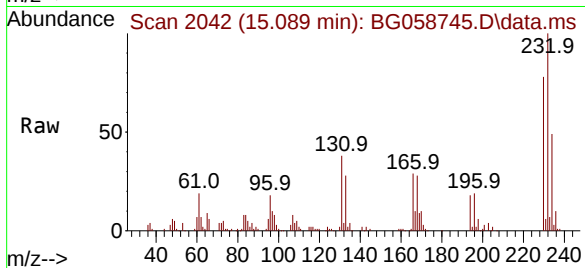




#59  
2,3,4,6-Tetrachlorophenol  
Concen: 45.423 ng  
RT: 15.089 min Scan# 2042  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

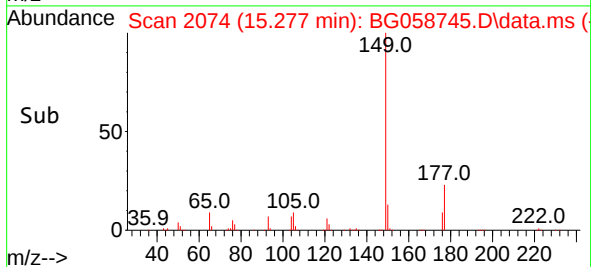
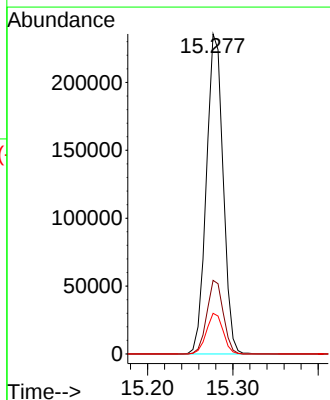
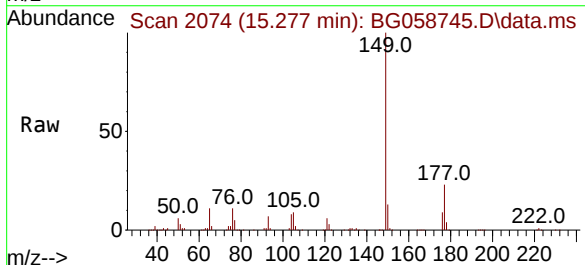
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

Tgt Ion:232 Resp: 88468  
Ion Ratio Lower Upper  
232 100  
131 38.7 30.0 45.0  
130 2.1 1.5 2.3  
166 28.0 22.8 34.2



#60  
Diethylphthalate  
Concen: 45.691 ng  
RT: 15.277 min Scan# 2074  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:149 Resp: 320807  
Ion Ratio Lower Upper  
149 100  
177 23.0 18.2 27.4  
150 12.7 10.2 15.4

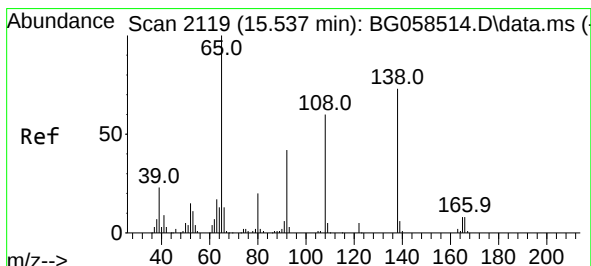
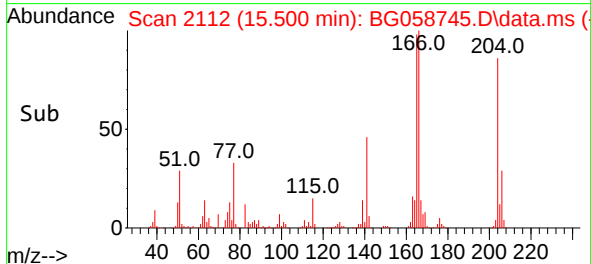
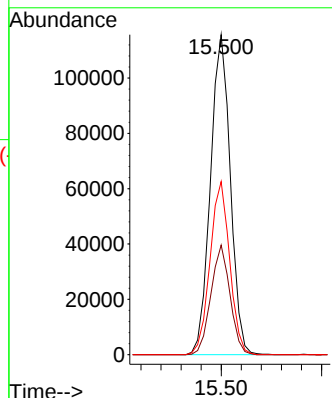
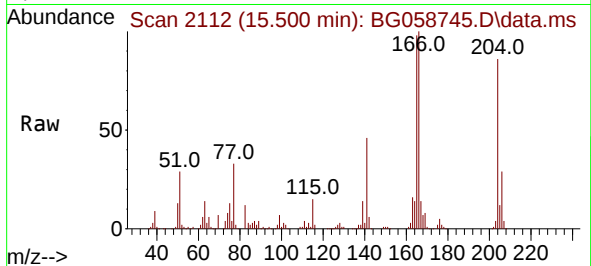




#61  
4-Chlorophenyl-phenylether  
Concen: 43.988 ng  
RT: 15.500 min Scan# 2113  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

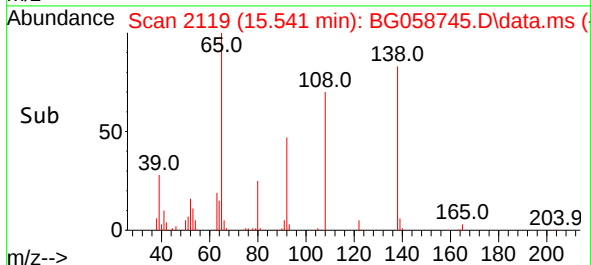
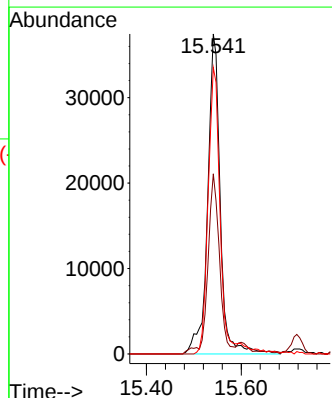
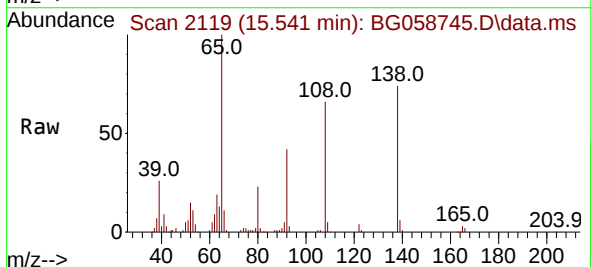
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

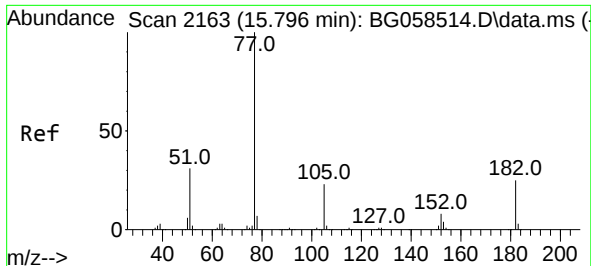
Tgt Ion:204 Resp: 159133  
Ion Ratio Lower Upper  
204 100  
206 34.2 27.0 40.4  
141 54.1 40.8 61.2



#62  
4-Nitroaniline  
Concen: 48.261 ng  
RT: 15.541 min Scan# 2119  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:138 Resp: 69170  
Ion Ratio Lower Upper  
138 100  
92 56.3 37.3 77.3  
108 89.4 62.6 102.6

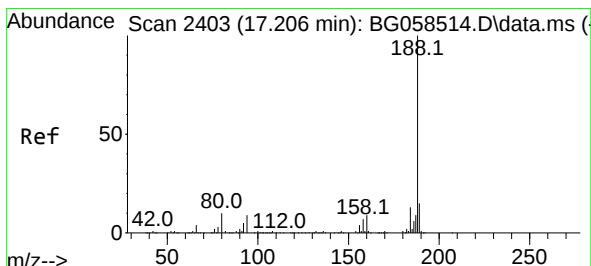
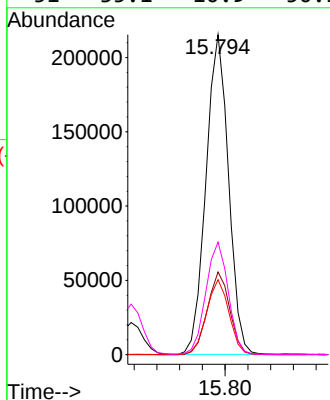
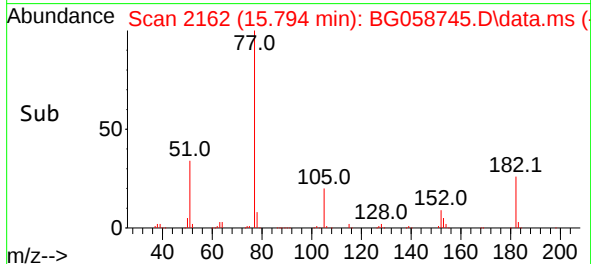
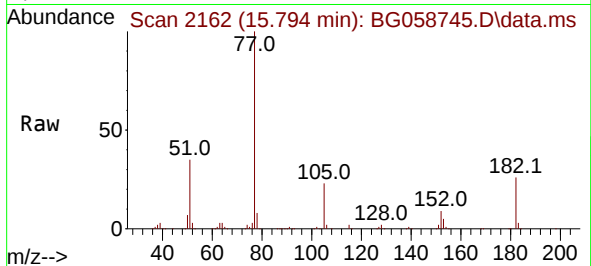




#63  
 Azobenzene  
 Concen: 42.814 ng  
 RT: 15.794 min Scan# 2163  
 Delta R.T. -0.002 min  
 Lab File: BG058745.D  
 Acq: 16 Aug 2023 12:43

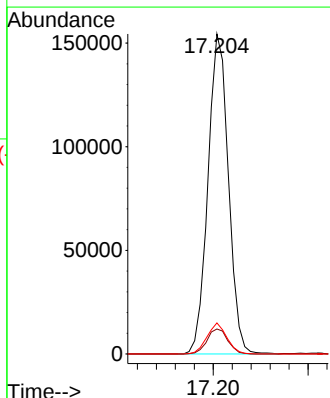
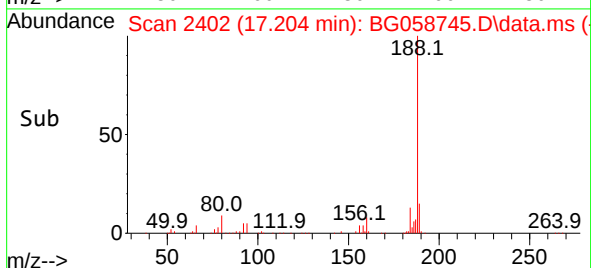
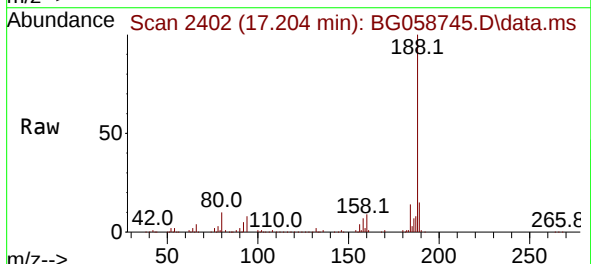
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB154469BS

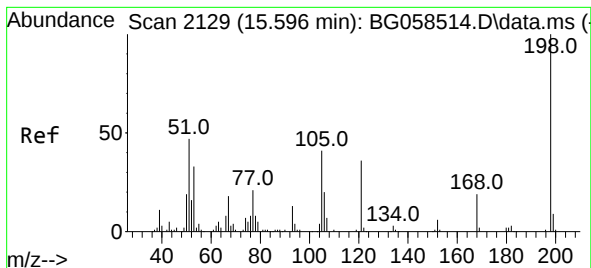
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 77    | Resp: | 296086 |
| Ion      | Ratio | Lower | Upper  |
| 77       | 100   |       |        |
| 182      | 25.8  | 4.6   | 44.6   |
| 105      | 23.4  | 3.3   | 43.3   |
| 51       | 35.1  | 10.9  | 50.9   |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.204 min Scan# 2402  
 Delta R.T. -0.002 min  
 Lab File: BG058745.D  
 Acq: 16 Aug 2023 12:43

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 188   | Resp: | 231752 |
| Ion      | Ratio | Lower | Upper  |
| 188      | 100   |       |        |
| 94       | 7.8   | 7.0   | 10.6   |
| 80       | 9.7   | 8.1   | 12.1   |

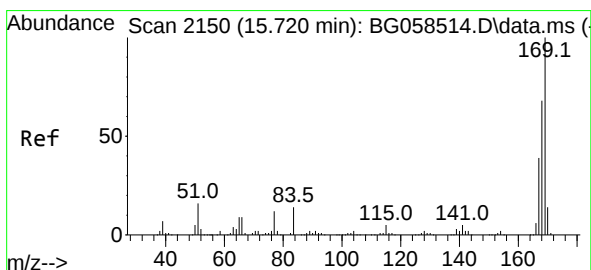
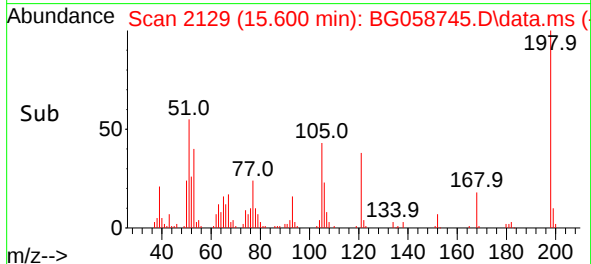
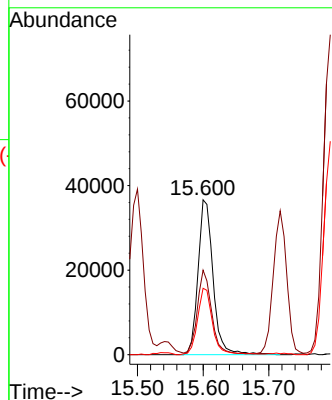
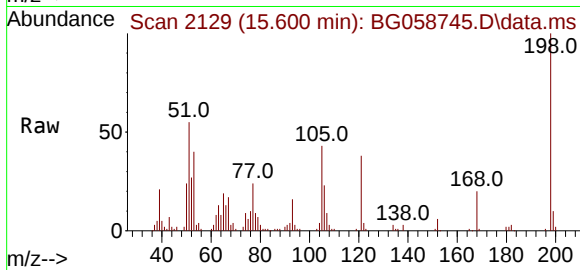




#65  
4,6-Dinitro-2-methylphenol  
Concen: 45.777 ng  
RT: 15.600 min Scan# 2129  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

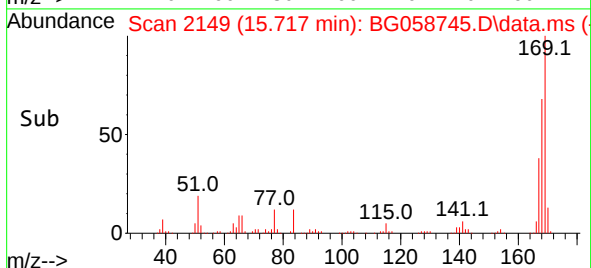
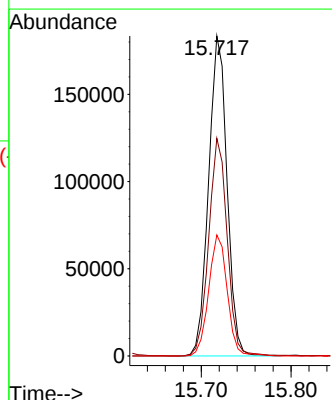
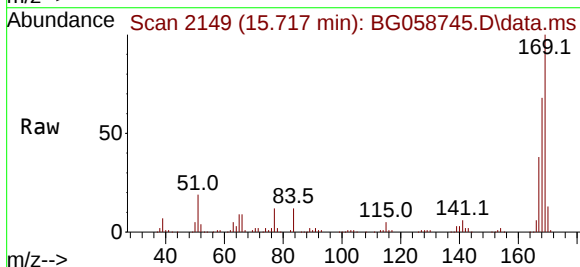
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

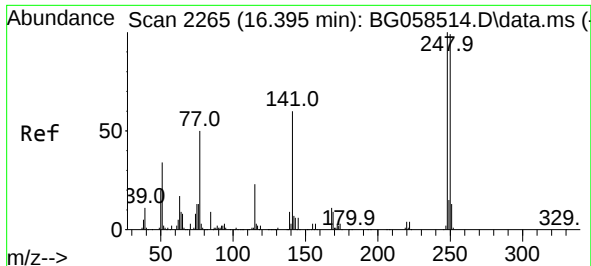
Tgt Ion:198 Resp: 58497  
Ion Ratio Lower Upper  
198 100  
51 54.5 29.3 69.3  
105 42.9 21.0 61.0



#66  
n-Nitrosodiphenylamine  
Concen: 43.379 ng  
RT: 15.717 min Scan# 2149  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:169 Resp: 261655  
Ion Ratio Lower Upper  
169 100  
168 68.0 54.6 82.0  
167 37.8 31.3 46.9

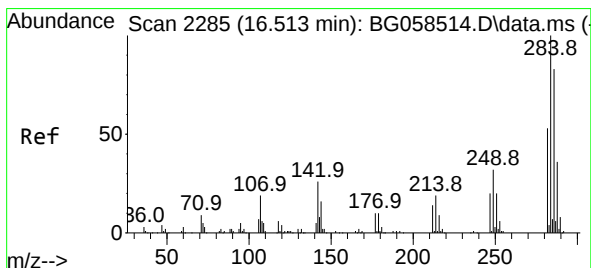
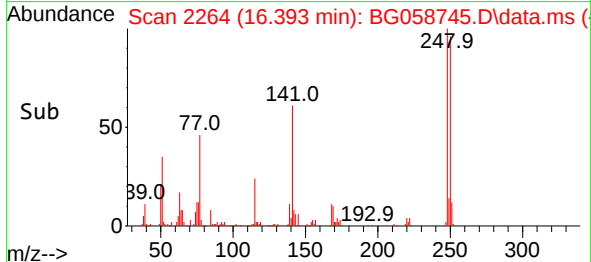
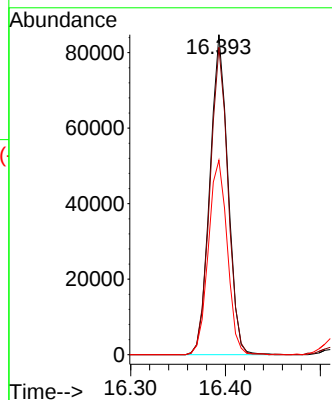
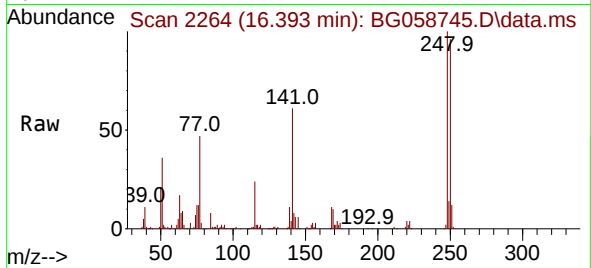




#67  
4-Bromophenyl-phenylether  
Concen: 42.492 ng  
RT: 16.393 min Scan# 211  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

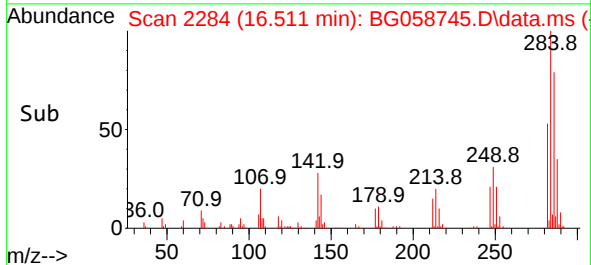
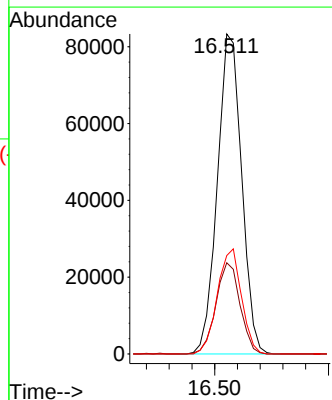
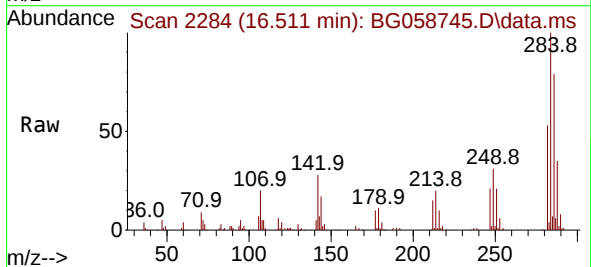
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

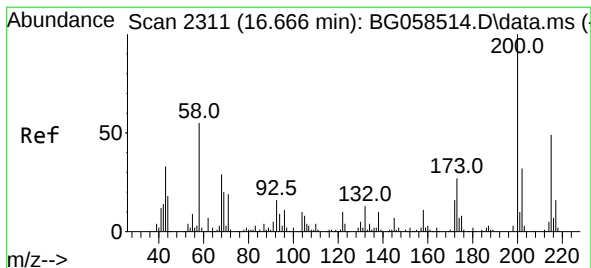
Tgt Ion:248 Resp: 111694  
Ion Ratio Lower Upper  
248 100  
250 96.1 79.5 119.3  
141 60.8 48.2 72.2



#68  
Hexachlorobenzene  
Concen: 44.372 ng  
RT: 16.511 min Scan# 2284  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:284 Resp: 123593  
Ion Ratio Lower Upper  
284 100  
142 28.5 21.0 31.4  
249 30.8 25.5 38.3





#69

Atrazine

Concen: 53.537 ng

RT: 16.669 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

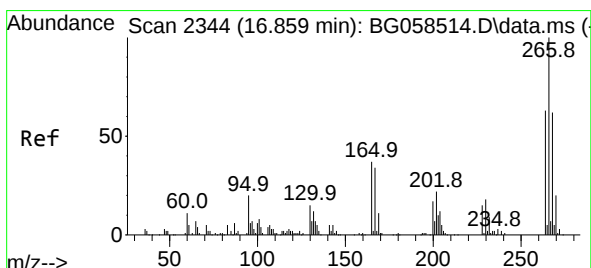
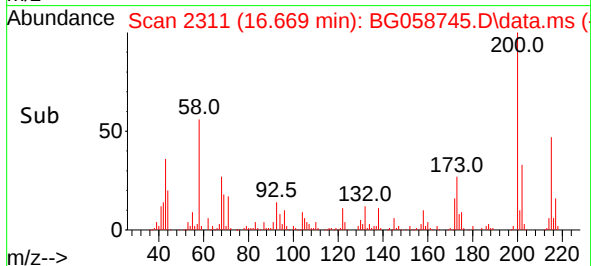
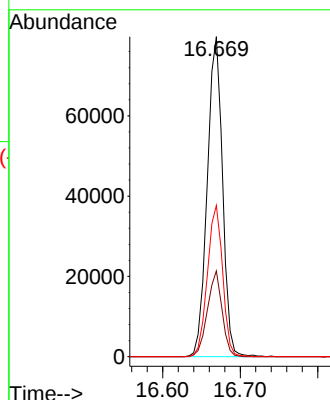
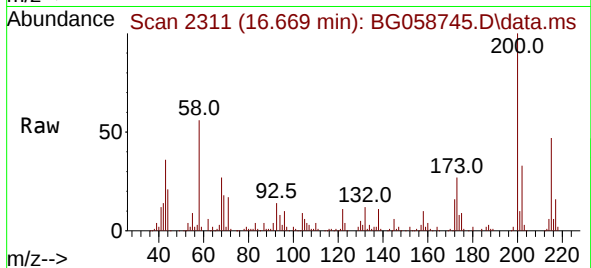
Tgt Ion:200 Resp: 109013

Ion Ratio Lower Upper

200 100

173 26.8 6.5 46.5

215 47.2 28.9 68.9



#70

Pentachlorophenol

Concen: 70.102 ng

RT: 16.863 min Scan# 2344

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

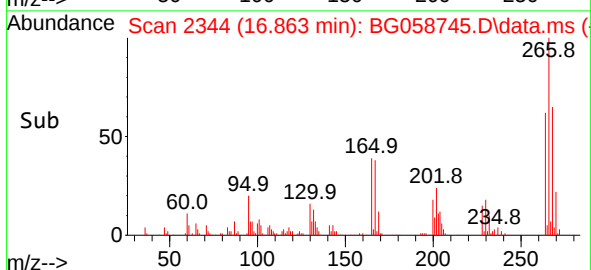
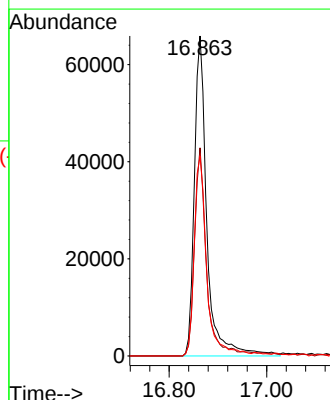
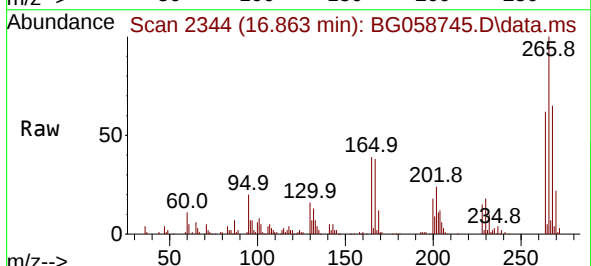
Tgt Ion:266 Resp: 118186

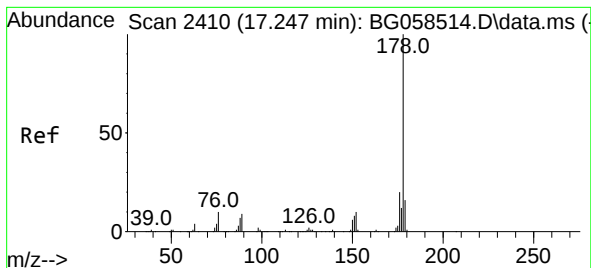
Ion Ratio Lower Upper

266 100

268 65.0 49.9 74.9

264 62.4 50.2 75.4





#71

Phenanthrene

Concen: 44.272 ng

RT: 17.251 min Scan# 2410

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

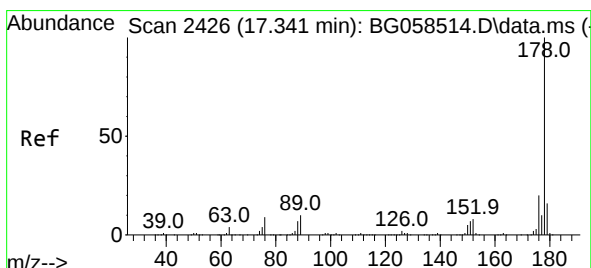
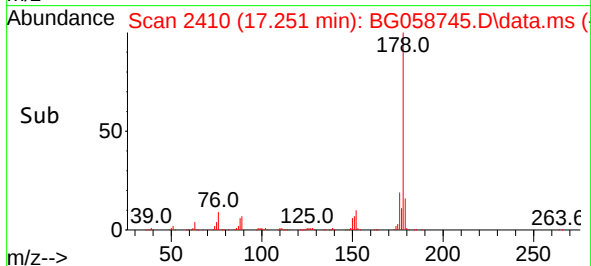
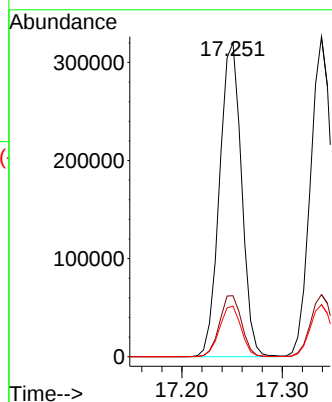
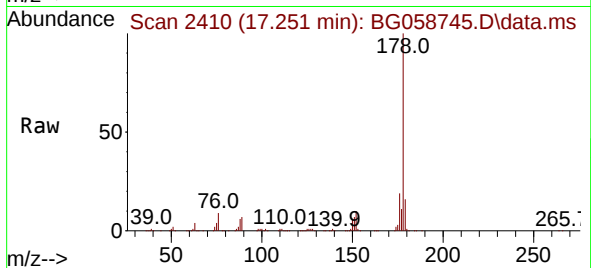
Tgt Ion:178 Resp: 486585

Ion Ratio Lower Upper

178 100

176 19.4 16.3 24.5

179 16.1 13.1 19.7



#72

Anthracene

Concen: 43.501 ng

RT: 17.339 min Scan# 2425

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

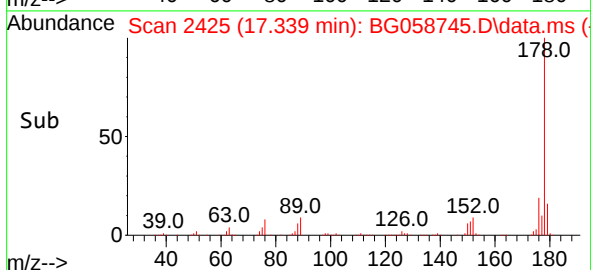
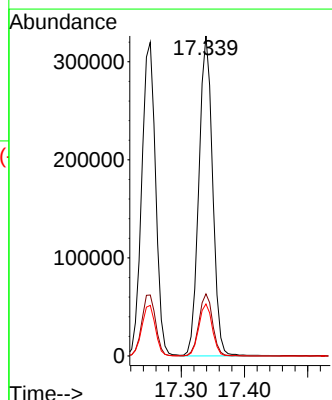
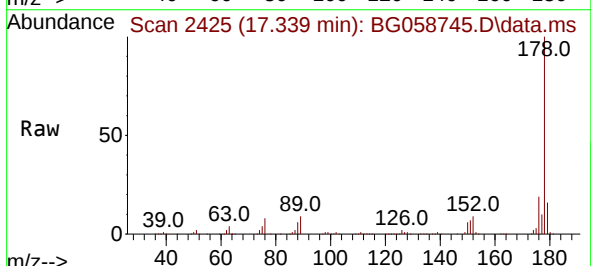
Tgt Ion:178 Resp: 490573

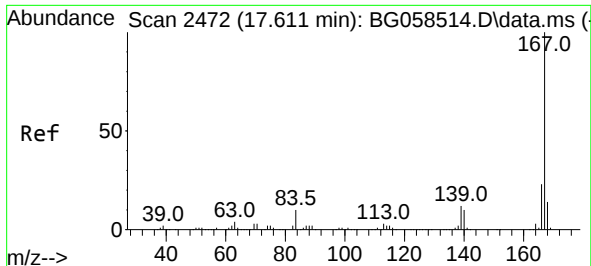
Ion Ratio Lower Upper

178 100

176 19.4 16.0 24.0

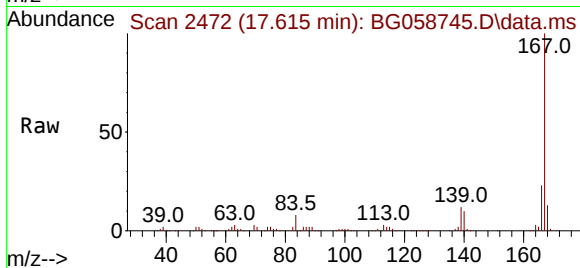
179 16.3 12.9 19.3





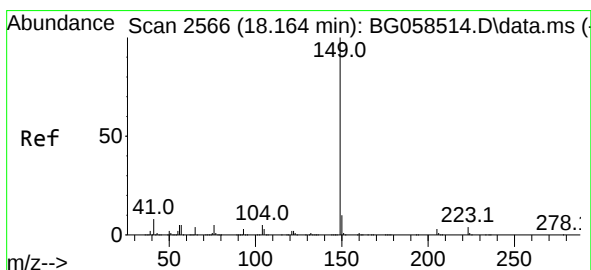
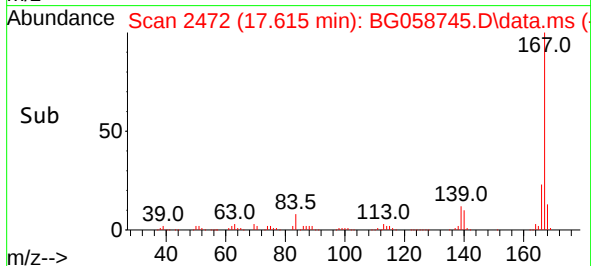
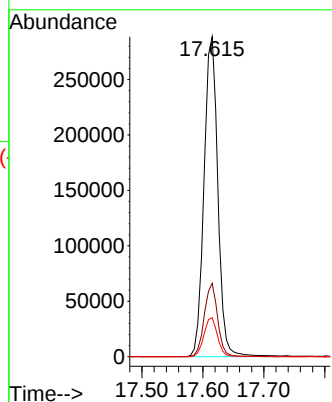
#73  
 Carbazole  
 Concen: 45.865 ng  
 RT: 17.615 min Scan# 2472  
 Delta R.T. 0.004 min  
 Lab File: BG058745.D  
 Acq: 16 Aug 2023 12:43

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB154469BS



Tgt Ion:167 Resp: 456109  

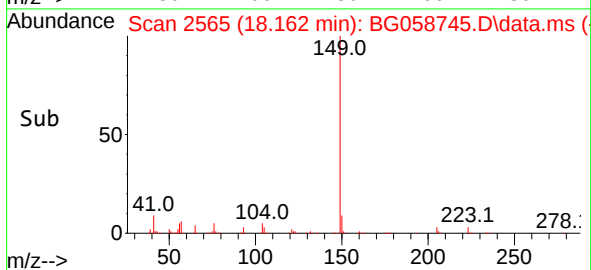
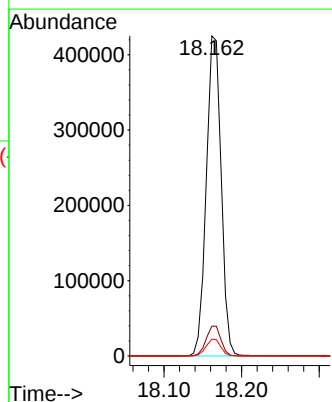
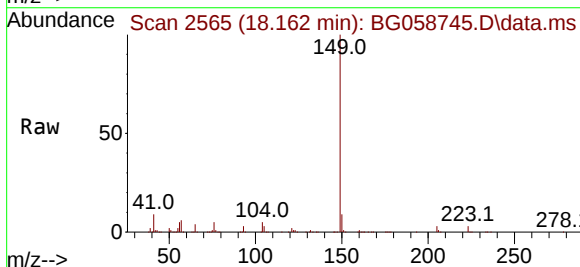
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.9  | 18.4  | 27.6  |
| 139 | 12.2  | 10.0  | 15.0  |

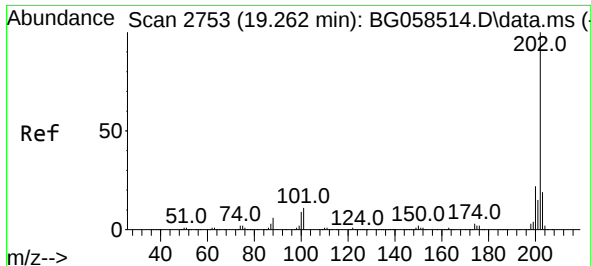


#74  
 Di-n-butylphthalate  
 Concen: 45.412 ng  
 RT: 18.162 min Scan# 2565  
 Delta R.T. -0.002 min  
 Lab File: BG058745.D  
 Acq: 16 Aug 2023 12:43

Tgt Ion:149 Resp: 565666  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.3   | 7.8   | 11.6  |
| 104 | 5.2   | 4.0   | 6.0   |

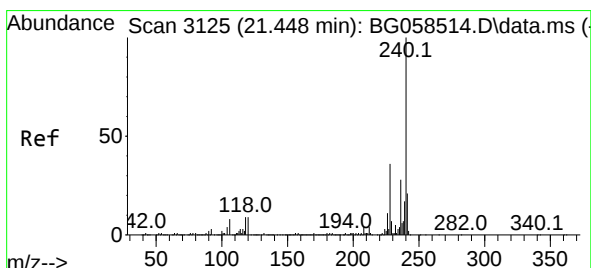
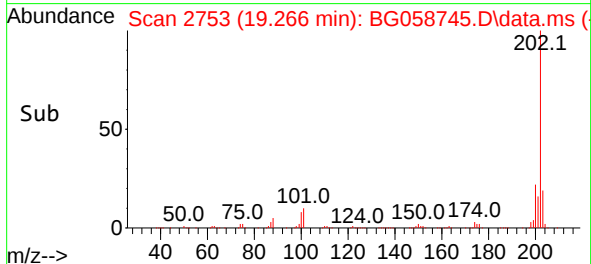
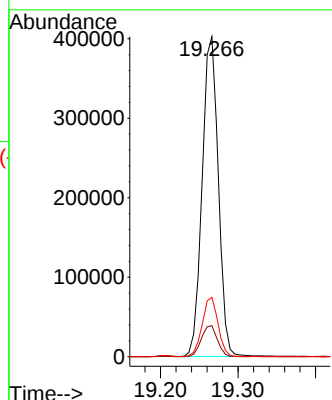
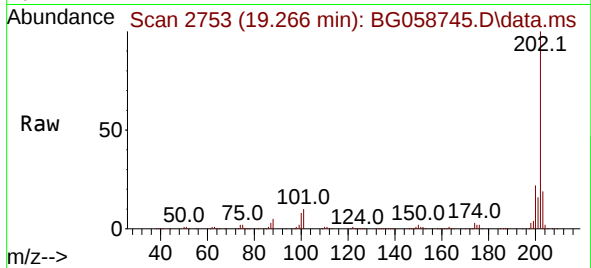




#75  
Fluoranthene  
Concen: 44.107 ng  
RT: 19.266 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

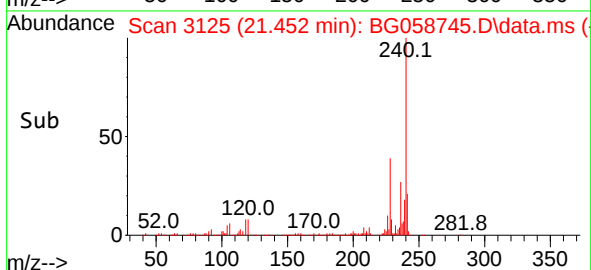
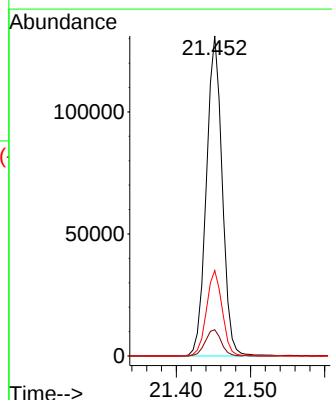
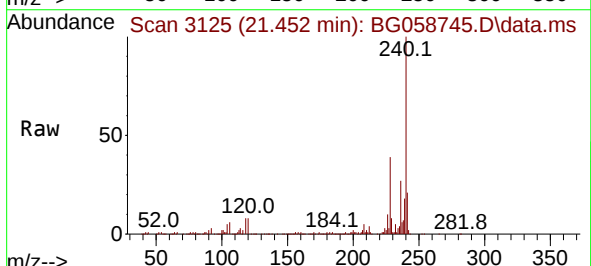
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

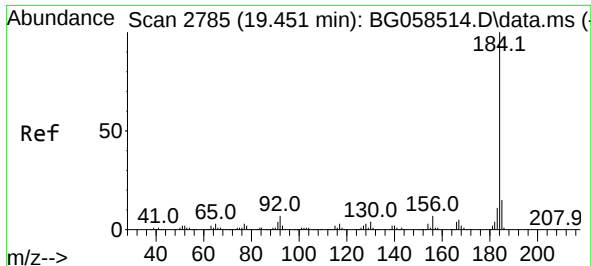
Tgt Ion:202 Resp: 582312  
Ion Ratio Lower Upper  
202 100  
101 9.7 0.0 31.4  
203 18.6 0.0 39.0



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.452 min Scan# 3125  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:240 Resp: 194916  
Ion Ratio Lower Upper  
240 100  
120 8.2 7.4 11.0  
236 26.7 22.2 33.4

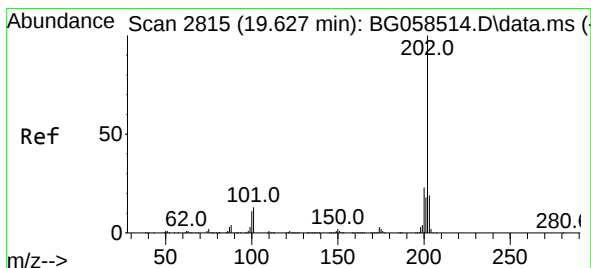
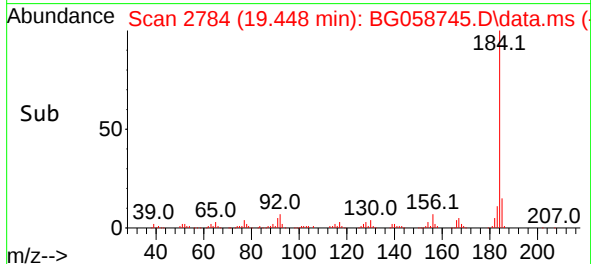
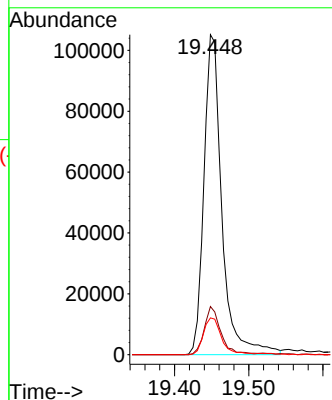
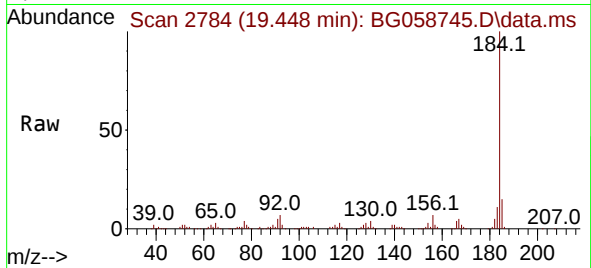




#77  
Benzidine  
Concen: 59.859 ng  
RT: 19.448 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

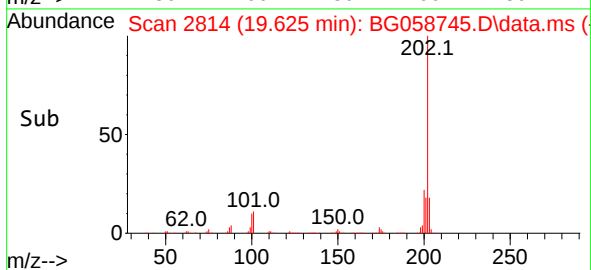
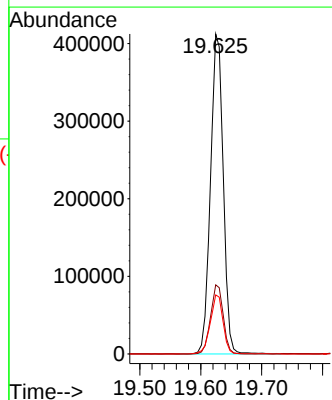
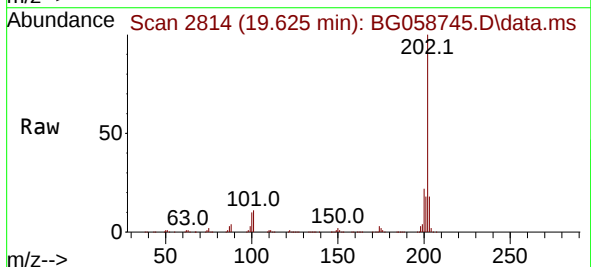
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

Tgt Ion:184 Resp: 176926  
Ion Ratio Lower Upper  
184 100  
185 15.0 11.9 17.9  
183 11.5 8.7 13.1



#78  
Pyrene  
Concen: 45.270 ng  
RT: 19.625 min Scan# 2814  
Delta R.T. -0.002 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:202 Resp: 600511  
Ion Ratio Lower Upper  
202 100  
200 21.6 18.2 27.2  
203 18.5 15.1 22.7

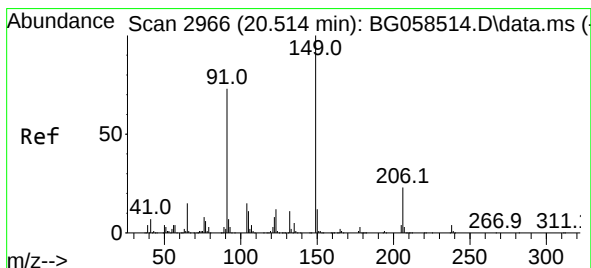
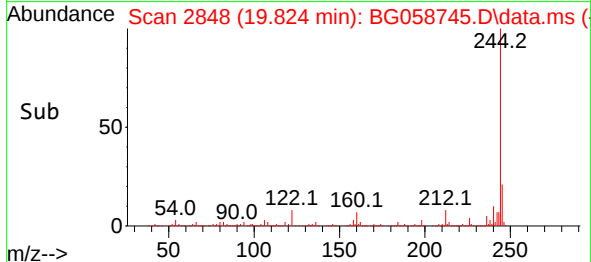
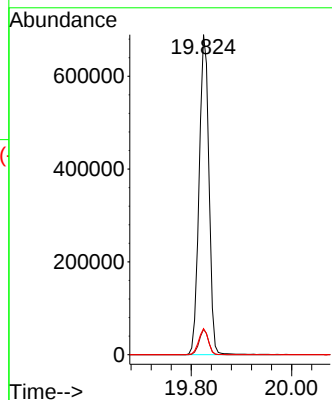
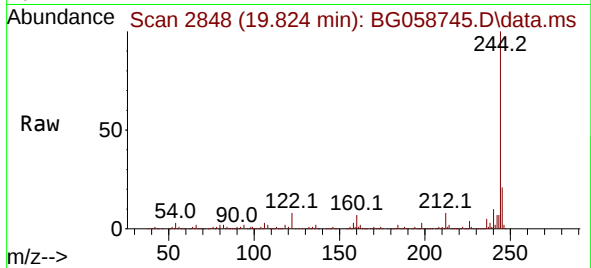




#79  
 Terphenyl-d14  
 Concen: 89.988 ng  
 RT: 19.824 min Scan# 21  
 Delta R.T. -0.002 min  
 Lab File: BG058745.D  
 Acq: 16 Aug 2023 12:43

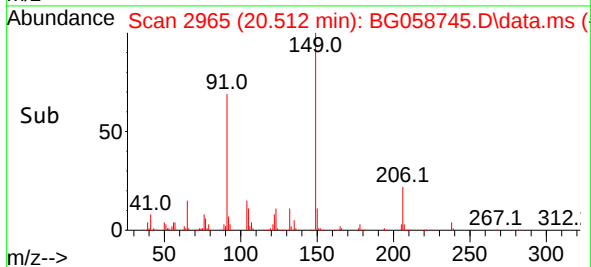
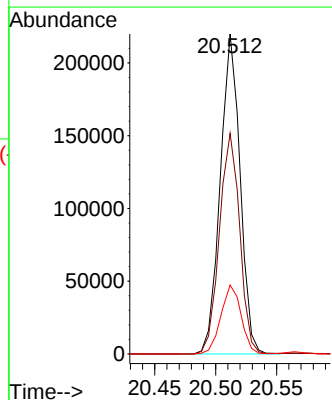
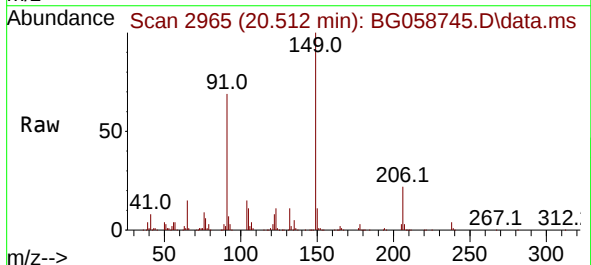
Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB154469BS

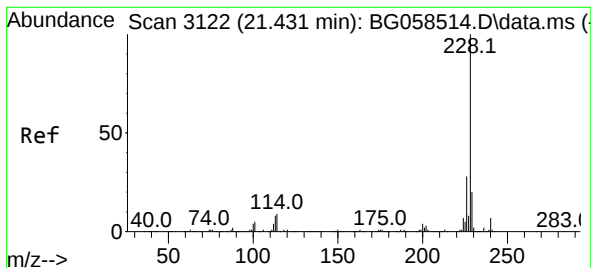
Tgt Ion:244 Resp: 932719  
 Ion Ratio Lower Upper  
 244 100  
 212 7.9 5.9 8.9  
 122 8.2 6.8 10.2



#80  
 Butylbenzylphthalate  
 Concen: 45.693 ng  
 RT: 20.512 min Scan# 2965  
 Delta R.T. -0.002 min  
 Lab File: BG058745.D  
 Acq: 16 Aug 2023 12:43

Tgt Ion:149 Resp: 248972  
 Ion Ratio Lower Upper  
 149 100  
 91 69.0 58.4 87.6  
 206 21.6 18.3 27.5





#81

Benzo(a)anthracene

Concen: 44.754 ng

RT: 21.434 min Scan# 3122

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

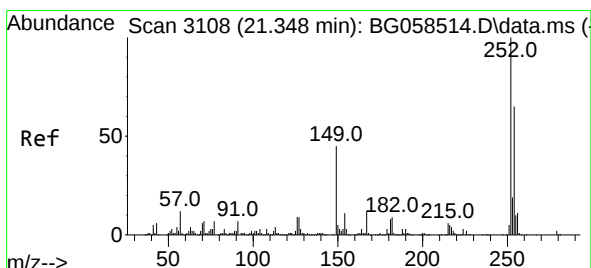
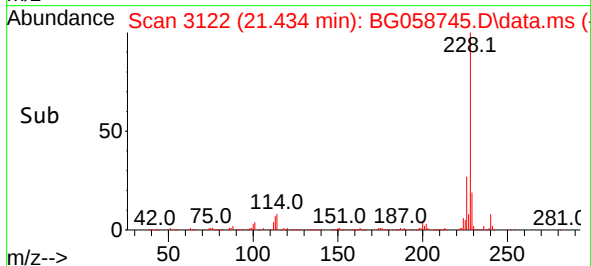
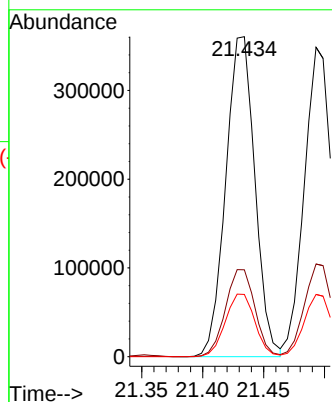
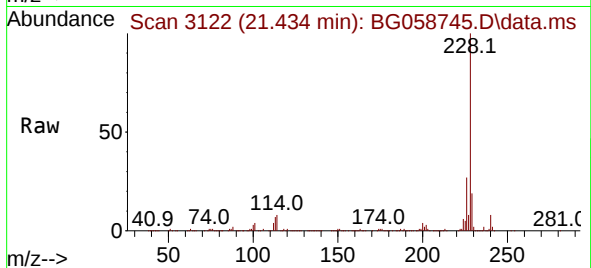
Tgt Ion:228 Resp: 600331

Ion Ratio Lower Upper

228 100

226 27.2 22.6 33.8

229 19.4 16.3 24.5



#82

3,3'-Dichlorobenzidine

Concen: 36.858 ng

RT: 21.352 min Scan# 3108

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

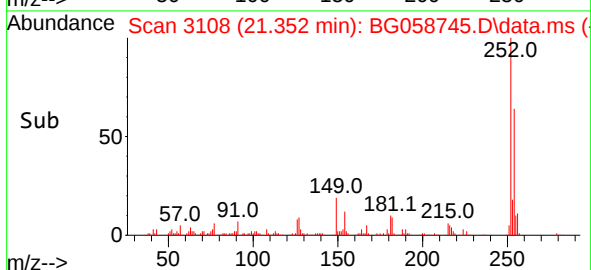
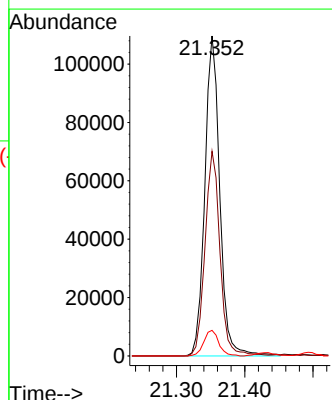
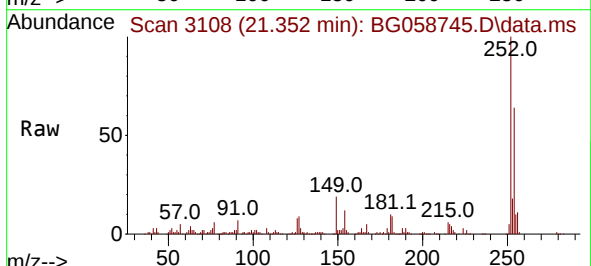
Tgt Ion:252 Resp: 167165

Ion Ratio Lower Upper

252 100

254 63.9 52.2 78.4

126 8.0 7.2 10.8





#83

Chrysene

Concen: 43.202 ng

RT: 21.493 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

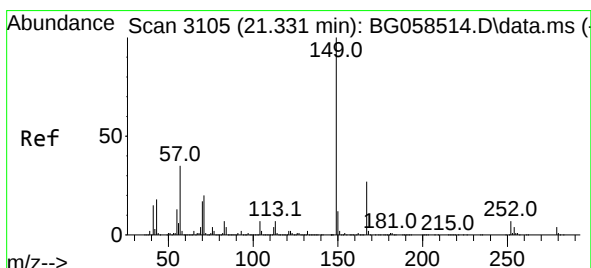
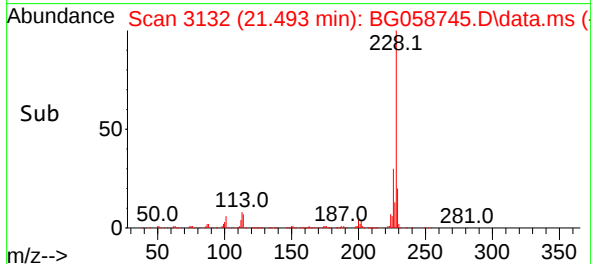
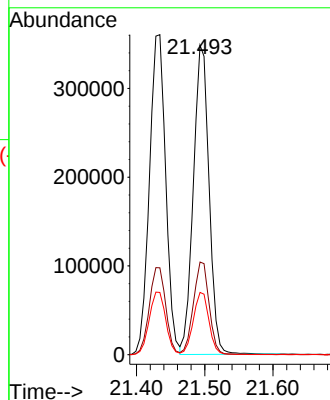
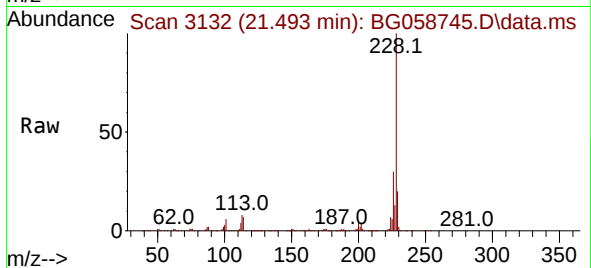
Tgt Ion:228 Resp: 555631

Ion Ratio Lower Upper

228 100

226 30.0 25.0 37.6

229 20.1 16.3 24.5



#84

Bis(2-ethylhexyl)phthalate

Concen: 45.624 ng

RT: 21.334 min Scan# 3105

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

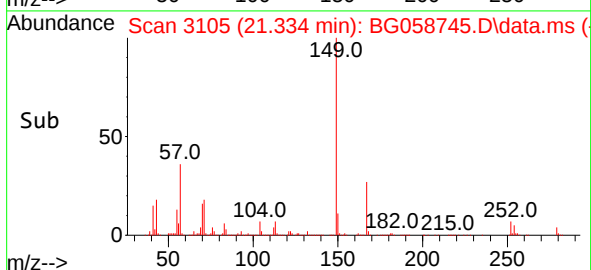
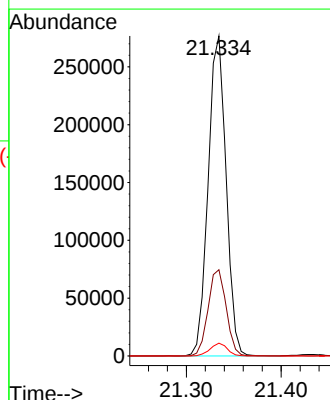
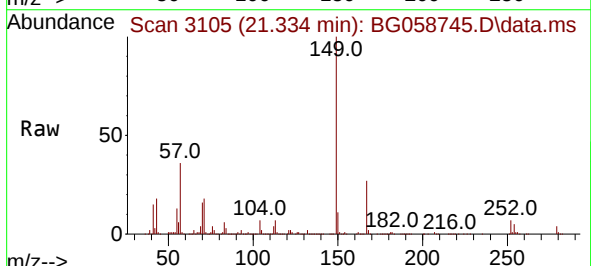
Tgt Ion:149 Resp: 363279

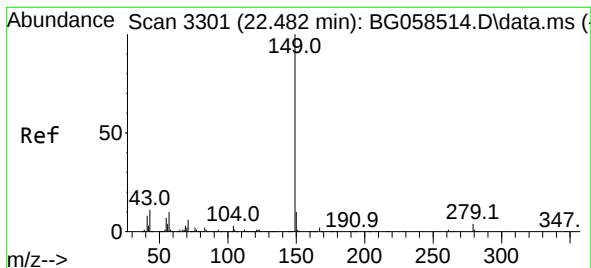
Ion Ratio Lower Upper

149 100

167 27.0 21.8 32.8

279 4.0 2.9 4.3





#85

Di-n-octyl phthalate

Concen: 45.642 ng

RT: 22.480 min Scan# 31

Delta R.T. -0.002 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

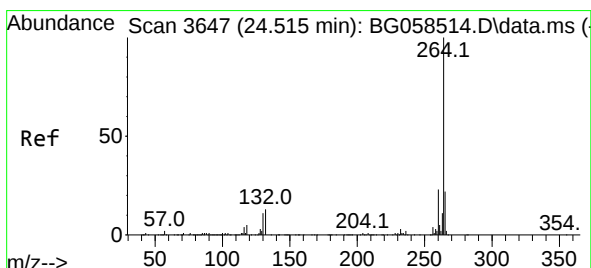
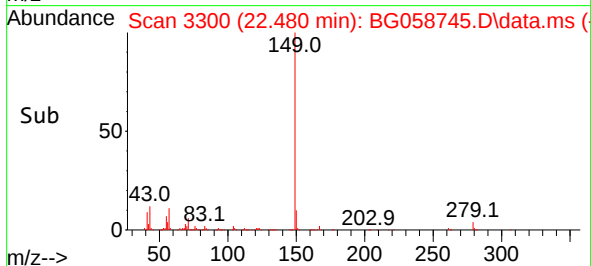
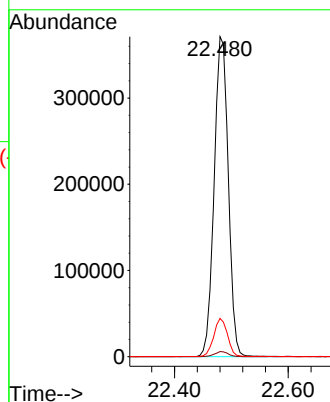
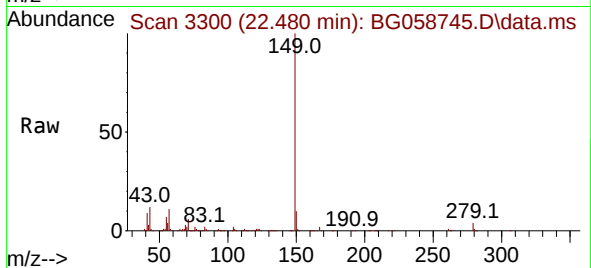
Tgt Ion:149 Resp: 638946

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

43 11.5 8.2 12.2



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.525 min Scan# 3648

Delta R.T. 0.010 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

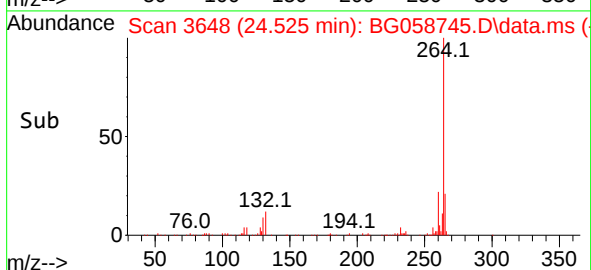
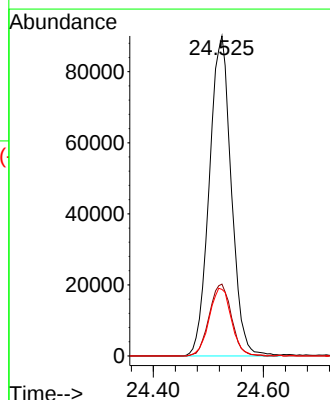
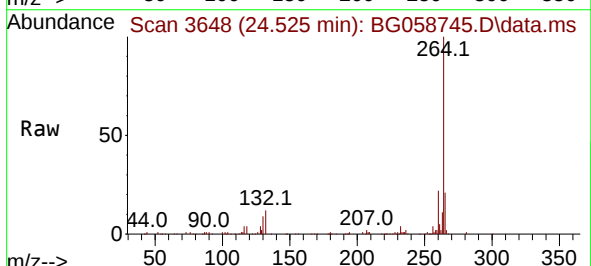
Tgt Ion:264 Resp: 249809

Ion Ratio Lower Upper

264 100

260 22.4 18.4 27.6

265 20.8 17.9 26.9





#87

Indeno(1,2,3-cd)pyrene

Concen: 44.891 ng

RT: 28.026 min Scan# 41

Delta R.T. 0.015 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

Instrument :

BNA\_G

ClientSampleId :

PB154469BS

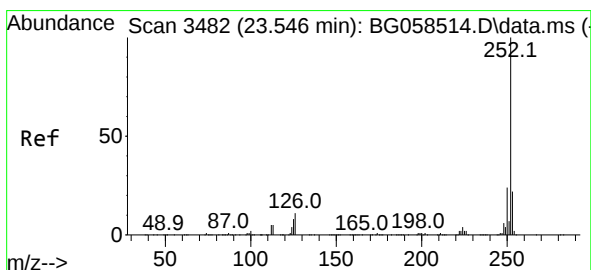
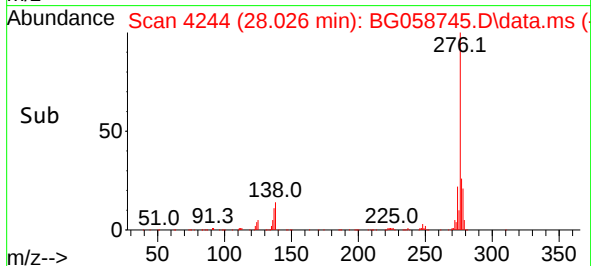
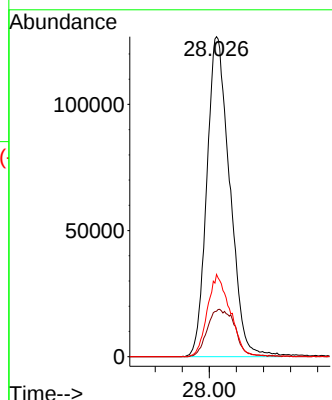
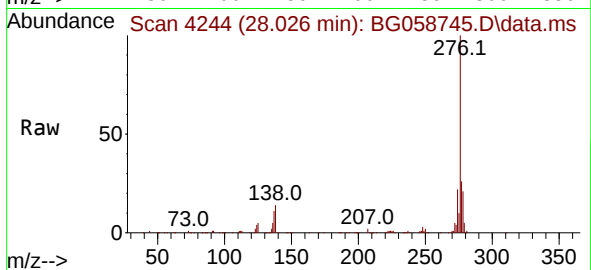
Tgt Ion:276 Resp: 746046

Ion Ratio Lower Upper

276 100

138 17.8 16.0 24.0

277 25.5 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 46.519 ng

RT: 23.549 min Scan# 3482

Delta R.T. 0.004 min

Lab File: BG058745.D

Acq: 16 Aug 2023 12:43

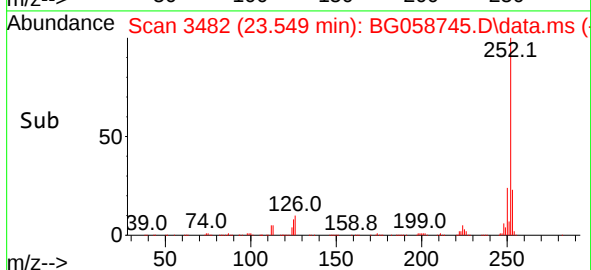
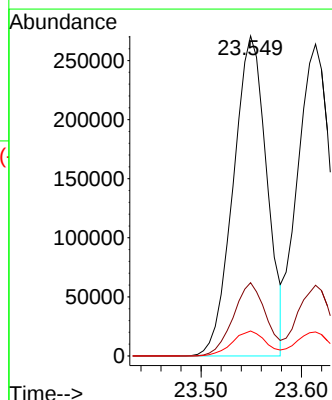
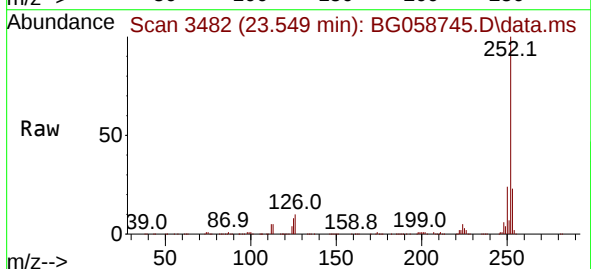
Tgt Ion:252 Resp: 630295

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 7.8 6.6 9.8

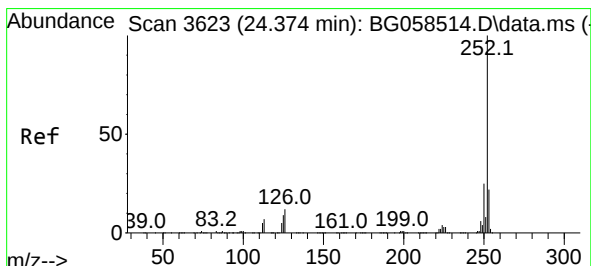
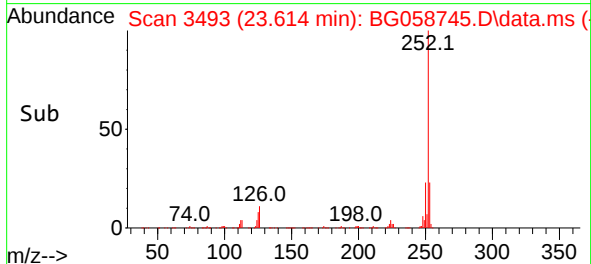
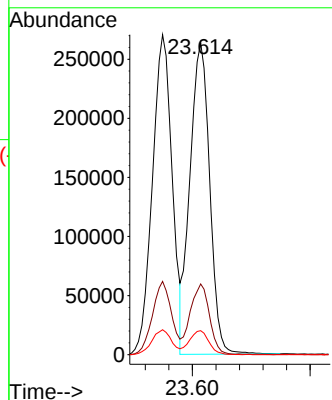
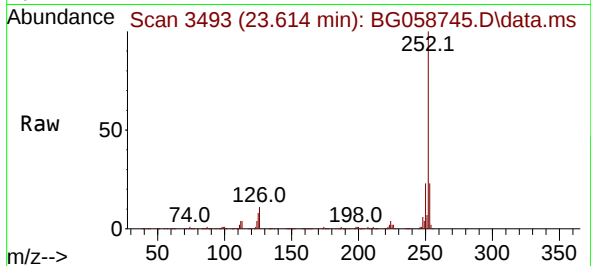




#89  
Benzo(k)fluoranthene  
Concen: 45.104 ng  
RT: 23.614 min Scan# 3493  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

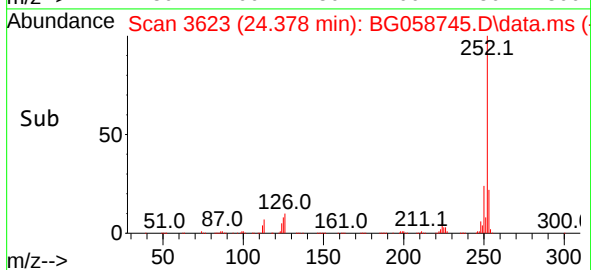
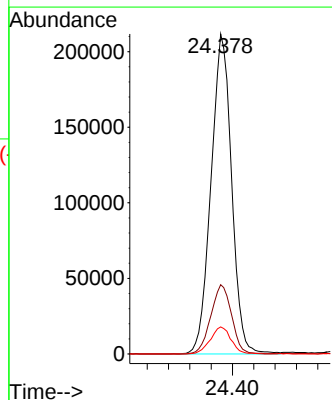
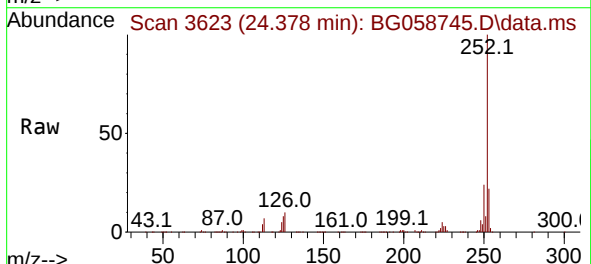
Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

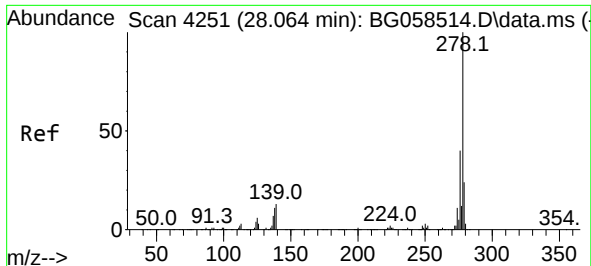
Tgt Ion:252 Resp: 613924  
Ion Ratio Lower Upper  
252 100  
253 22.7 17.9 26.9  
125 7.7 6.6 10.0



#90  
Benzo(a)pyrene  
Concen: 42.602 ng  
RT: 24.378 min Scan# 3623  
Delta R.T. 0.004 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:252 Resp: 566865  
Ion Ratio Lower Upper  
252 100  
253 21.6 17.5 26.3  
125 8.4 7.4 11.2

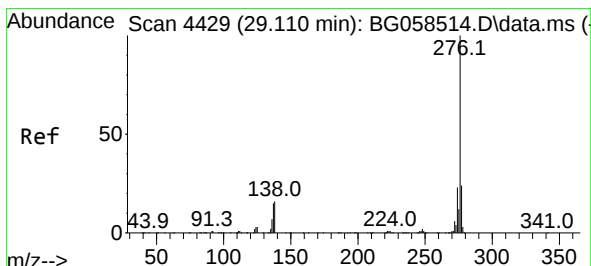
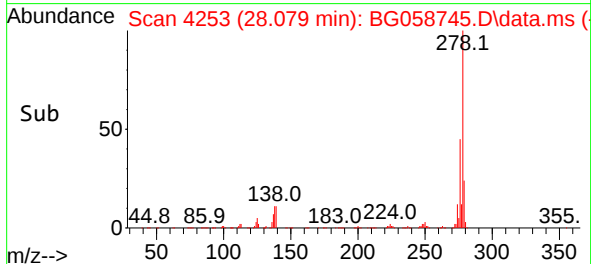
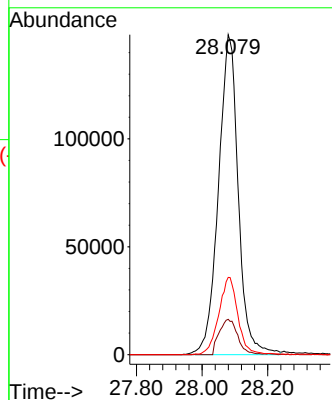
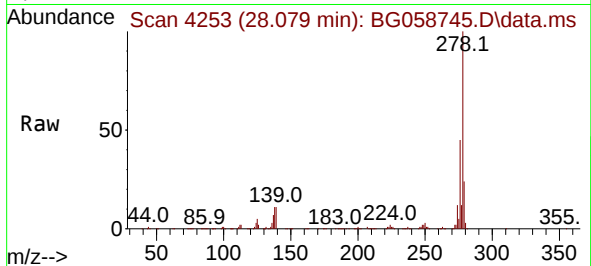




#91  
Dibenzo(a,h)anthracene  
Concen: 45.024 ng  
RT: 28.079 min Scan# 41  
Delta R.T. 0.015 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Instrument :  
BNA\_G  
ClientSampleId :  
PB154469BS

Tgt Ion:278 Resp: 618703  
Ion Ratio Lower Upper  
278 100  
139 11.0 10.4 15.6  
279 24.1 19.0 28.6



#92  
Benzo(g,h,i)perylene  
Concen: 43.177 ng  
RT: 29.119 min Scan# 4430  
Delta R.T. 0.010 min  
Lab File: BG058745.D  
Acq: 16 Aug 2023 12:43

Tgt Ion:276 Resp: 594956  
Ion Ratio Lower Upper  
276 100  
277 23.5 18.9 28.3  
138 15.6 13.0 19.4

