

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010923\  
 Data File : BG056231.D  
 Acq On : 9 Jan 2023 12:25  
 Operator : CG/JU  
 Sample : N4239-03  
 Misc : SFAM-MDL-S-01-4PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 09 13:54:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010423.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 05 01:03:13 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
 Supervised By :mohammad ahmed 01/12/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 8.332  | 152  | 49478    | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 11.164 | 136  | 193639   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.942 | 164  | 166227   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.680 | 188  | 413948   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.975 | 240  | 398517   | 20.000 | ng/u1  | # 0.00   |
| 88) Perylene-d12              | 25.435 | 264  | 420664   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.631  | 96   | 4536     | 4.152  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 4.066  | 84   | 44290    | 12.692 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.462  | 99   | 77389    | 17.729 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.638  | 67   | 34495    | 19.272 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.856  | 132  | 52385    | 17.936 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 9.019  | 113  | 60738    | 17.463 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.501  | 128  | 28721    | 18.783 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 10.230 | 143  | 35543    | 17.774 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.770 | 165  | 67860    | 17.024 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 11.287 | 131  | 80150    | 17.868 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.331 | 166  | 234497   | 17.779 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.642 | 160  | 261885   | 18.075 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 15.106 | 143  | 31596    | 15.175 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.929 | 176  | 220987   | 17.938 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 16.029 | 200  | 41902    | 14.407 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.780 | 188  | 345028   | 18.135 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 20.042 | 212  | 415914   | 17.838 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 25.194 | 264  | 395158   | 18.318 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.673  | 88   | 1433m    | 1.177  | ng/uL  |          |
| 5) Pyridine                   | 4.096  | 79   | 13749    | 4.025  | ng/u1  | 95       |
| 6) Benzaldehyde               | 7.456  | 77   | 8894     | 5.808  | ng/u1  | 94       |
| 8) Phenol                     | 7.486  | 94   | 18033    | 4.183  | ng/u1  | 97       |
| 10) Bis(2-Chloroethyl)ether   | 7.732  | 93   | 13781    | 4.617  | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.891  | 128  | 12460    | 4.339  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.761  | 108  | 13757    | 4.154  | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.849  | 45   | 2420m    | 4.461  | ng/u1  |          |
| 16) Acetophenone              | 9.154  | 105  | 22395    | 4.185  | ng/u1  | 94       |
| 17) N-Nitroso-di-n-propyla... | 9.131  | 70   | 10110    | 4.265  | ng/u1  | 93       |
| 18) 4-Methylphenol            | 9.084  | 108  | 14314    | 3.980  | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.436  | 117  | 5124     | 4.584  | ng/u1# | 76       |
| 22) Nitrobenzene              | 9.548  | 77   | 14745    | 4.247  | ng/u1  | 92       |
| 23) Isophorone                | 10.065 | 82   | 31108    | 4.250  | ng/u1  | 96       |
| 25) 2-Nitrophenol             | 10.265 | 139  | 8600     | 4.457  | ng/u1# | 78       |
| 26) 2,4-Dimethylphenol        | 10.300 | 107  | 17314    | 4.381  | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.541 | 93   | 18169    | 4.432  | ng/u1# | 95       |
| 29) 2,4-Dichlorophenol        | 10.794 | 162  | 16256    | 4.325  | ng/u1  | 98       |
| 30) Naphthalene               | 11.217 | 128  | 45775    | 4.516  | ng/u1  | 98       |
| 32) 4-Chloroaniline           | 11.311 | 127  | 19627    | 4.283  | ng/u1  | 94       |
| 33) Hexachlorobutadiene       | 11.493 | 225  | 14741    | 4.572  | ng/u1  | 91       |
| 34) Caprolactam               | 12.051 | 113  | 5359m    | 4.543  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.398 | 107  | 14986    | 4.064  | ng/u1  | 87       |
| 36) 2-Methylnaphthalene       | 12.791 | 142  | 33989    | 4.390  | ng/u1  | 93       |

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 Sample : N4239-03  
 Misc : SFAM-MDL-S-01-4PPM  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 09 13:54:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010423.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 05 01:03:13 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
 Supervised By :mohammad ahmed 01/12/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 13.009 | 142  | 32930    | 4.136 | ng/ul  | 94       |
| 39) 1,2,4,5-Tetrachloroben... | 13.150 | 216  | 28069    | 4.362 | ng/ul  | 98       |
| 40) Hexachlorocyclopentadiene | 13.132 | 237  | 15527    | 3.550 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 13.379 | 196  | 16412    | 4.017 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.449 | 196  | 18066m   | 4.066 | ng/ul  |          |
| 43) 1,1'-Biphenyl             | 13.778 | 154  | 52264    | 4.368 | ng/ul  | 94       |
| 44) 2-Chloronaphthalene       | 13.831 | 162  | 41459    | 4.225 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 14.019 | 65   | 6598     | 3.523 | ng/ul# | 65       |
| 47) Dimethylphthalate         | 14.378 | 163  | 53954    | 4.139 | ng/ul  | 98       |
| 48) 2,6-Dinitrotoluene        | 14.501 | 165  | 10908    | 3.985 | ng/ul  | 97       |
| 50) Acenaphthylene            | 14.666 | 152  | 62410    | 4.253 | ng/ul# | 94       |
| 51) 3-Nitroaniline            | 14.836 | 138  | 9942     | 4.796 | ng/ul  | 95       |
| 52) Acenaphthene              | 15.006 | 153  | 44757    | 4.407 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 15.036 | 184  | 7173     | 3.665 | ng/ul# | 91       |
| 55) 4-Nitrophenol             | 15.124 | 109  | 6775     | 3.479 | ng/ul  | 91       |
| 56) Dibenzofuran              | 15.335 | 168  | 68866    | 4.387 | ng/ul  | 99       |
| 57) 2,4-Dinitrotoluene        | 15.282 | 165  | 15864    | 4.067 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.553 | 232  | 15588    | 3.623 | ng/ul# | 93       |
| 59) Diethylphthalate          | 15.723 | 149  | 51311    | 4.233 | ng/ul  | 99       |
| 61) Fluorene                  | 15.982 | 166  | 54396    | 4.302 | ng/ul  | 95       |
| 62) 4-Chlorophenyl-phenyle... | 15.964 | 204  | 33899    | 4.288 | ng/ul  | 96       |
| 63) 4-Nitroaniline            | 15.988 | 138  | 8597     | 4.533 | ng/ul# | 83       |
| 66) 4,6-Dinitro-2-methylph... | 16.040 | 198  | 11751    | 4.233 | ng/ul# | 82       |
| 67) N-Nitrosodiphenylamine    | 16.176 | 169  | 47525    | 4.302 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.857 | 248  | 21914    | 4.127 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.986 | 284  | 23087    | 4.391 | ng/ul# | 94       |
| 70) Atrazine                  | 17.104 | 200  | 21558    | 4.281 | ng/ul  | 96       |
| 71) Pentachlorophenol         | 17.321 | 266  | 11008m   | 3.283 | ng/ul  |          |
| 72) Phenanthrene              | 17.721 | 178  | 91974    | 4.358 | ng/ul  | 98       |
| 74) Anthracene                | 17.809 | 178  | 92120    | 4.299 | ng/ul  | 100      |
| 75) 1,2,3,4-Tetrachloroben... | 13.755 | 216  | 26526    | 4.252 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 15.253 | 250  | 25722    | 4.029 | ng/uL  | 96       |
| 77) Carbazole                 | 18.073 | 167  | 75844    | 4.312 | ng/ul  | 100      |
| 78) Di-n-butylphthalate       | 18.608 | 149  | 76361    | 4.114 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.707 | 202  | 116375   | 4.220 | ng/ul  | 100      |
| 82) Pyrene                    | 20.071 | 202  | 116226   | 4.215 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.929 | 149  | 31617    | 3.909 | ng/ul  | 96       |
| 84) 3,3'-Dichlorobenzidine    | 21.851 | 252  | 45587    | 4.838 | ng/ul# | 99       |
| 85) Benzo(a)anthracene        | 21.957 | 228  | 118246   | 4.303 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.822 | 149  | 47778    | 4.085 | ng/ul  | 95       |
| 87) Chrysene                  | 22.027 | 228  | 111346   | 4.357 | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 23.114 | 149  | 82397    | 4.266 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 24.325 | 252  | 121276   | 4.318 | ng/ul  | 97       |
| 91) Benzo(k)fluoranthene      | 24.395 | 252  | 119229   | 4.339 | ng/ul  | 100      |
| 93) Benzo(a)pyrene            | 25.271 | 252  | 106904   | 4.348 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 29.395 | 276  | 137208   | 4.242 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 29.460 | 278  | 114751m  | 4.245 | ng/ul  |          |
| 96) Benzo(g,h,i)perylene      | 30.653 | 276  | 108109   | 4.134 | ng/ul# | 96       |

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

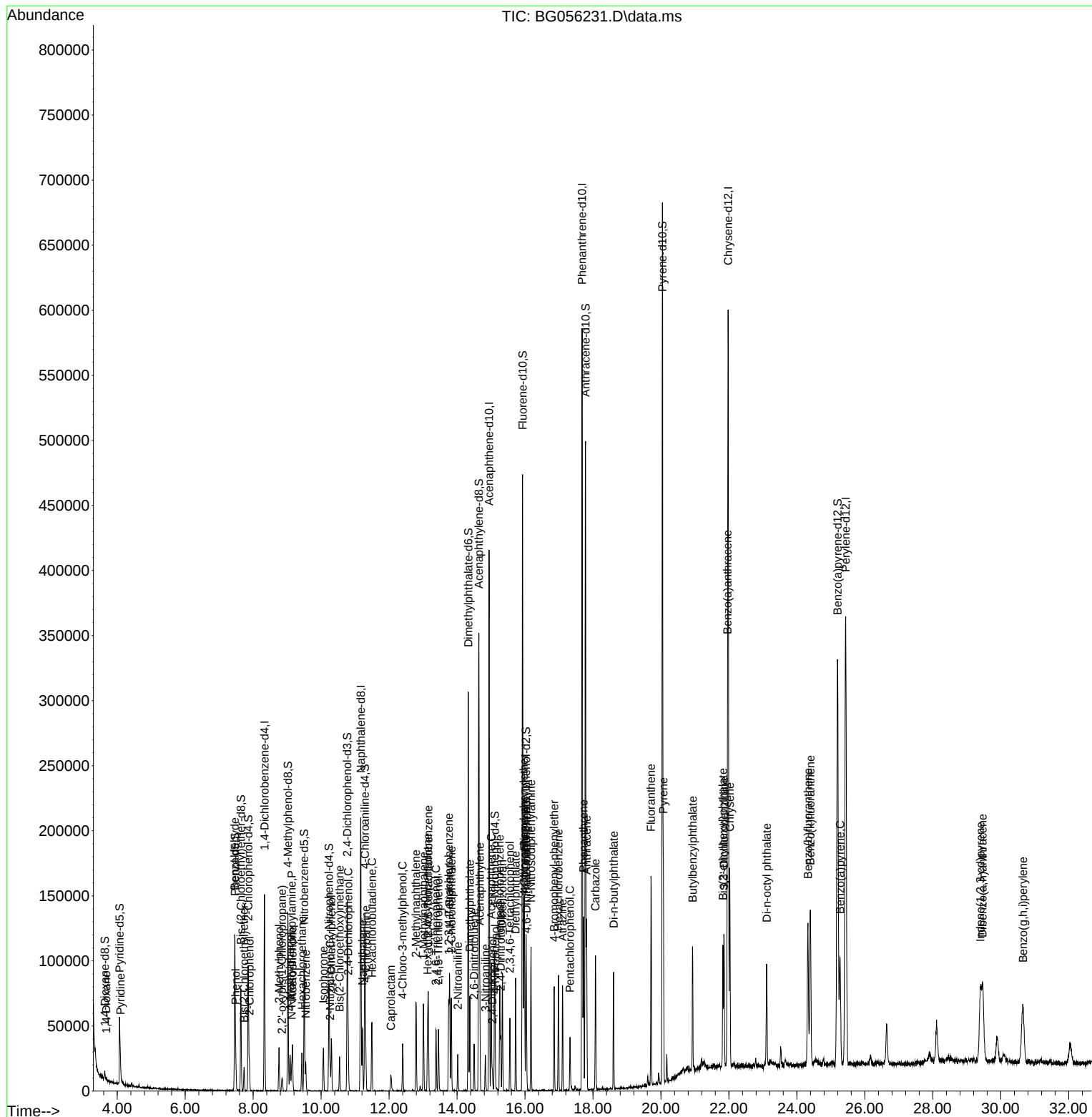
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG010923\  
 Data File : BG056231.D  
 Acq On : 9 Jan 2023 12:25  
 Operator : CG/JU  
 Sample : N4239-03  
 Misc : SFAM-MDL-S-01-4PPM  
 ALS Vial : 6 Sample Multiplier: 1

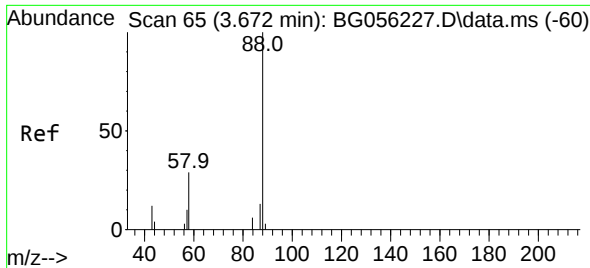
Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-QT3-2022-05

Quant Time: Jan 09 13:54:40 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_G\Methods\SFAM-EPA-BG010423.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Jan 05 01:03:13 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

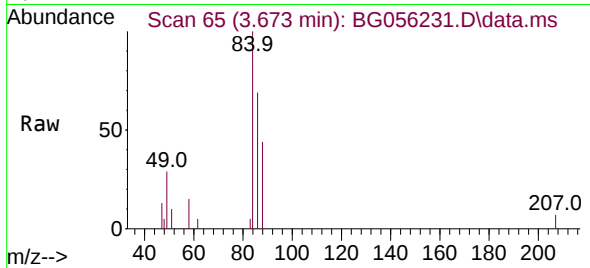
Reviewed By :Jagrut Upadhyay 01/10/2023  
 Supervised By :mohammad ahmed 01/12/2023





#2  
1,4-Dioxane  
Concen: 1.177 ng/uL m  
RT: 3.673 min Scan# 61  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

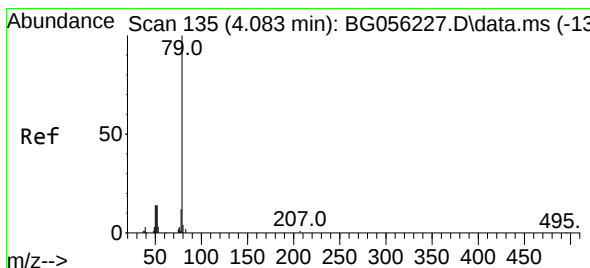
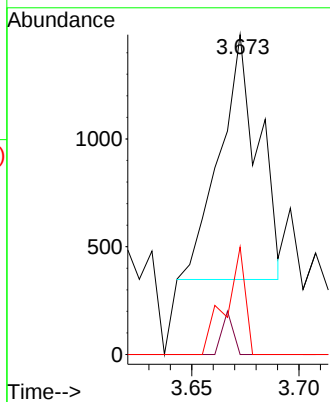
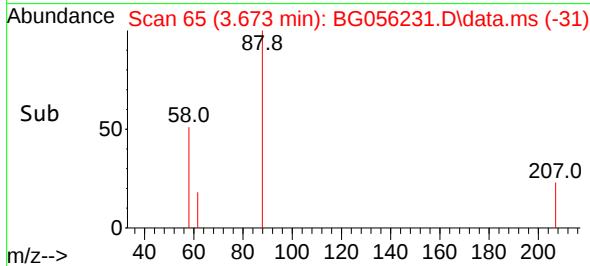
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion: 88 Resp: 143  
Ion Ratio Lower Upper  
88 100  
43 0.0 6.8 10.2  
58 33.6 20.0 30.0

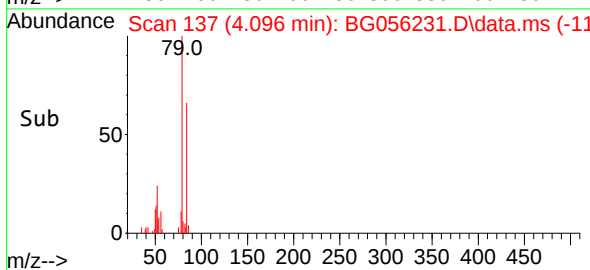
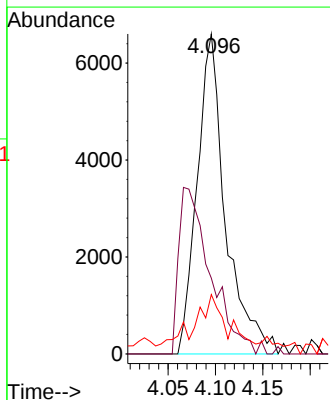
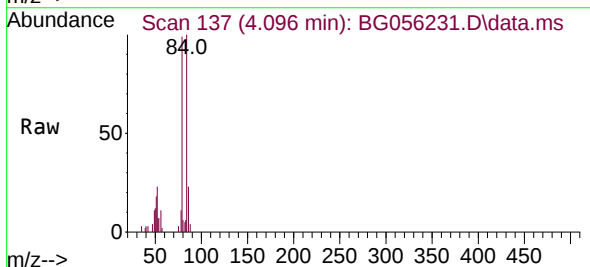
Manual Integrations  
APPROVED

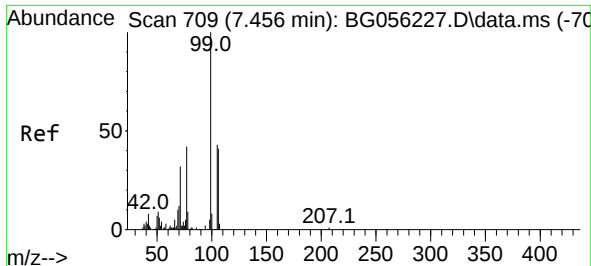
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#5  
Pyridine  
Concen: 4.025 ng/uL  
RT: 4.096 min Scan# 137  
Delta R.T. 0.004 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

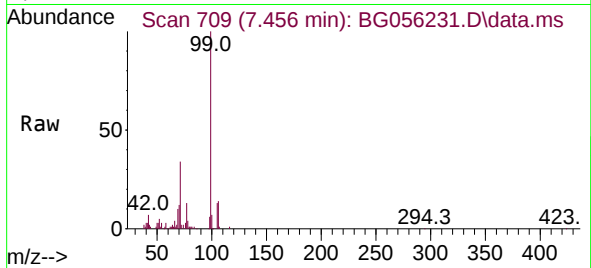
Tgt Ion: 79 Resp: 13749  
Ion Ratio Lower Upper  
79 100  
52 23.7 16.6 25.0  
51 18.5 13.4 20.2





#6  
Benzaldehyde  
Concen: 5.808 ng/ul  
RT: 7.456 min Scan# 709  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

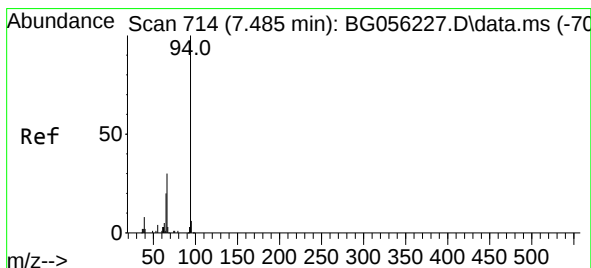
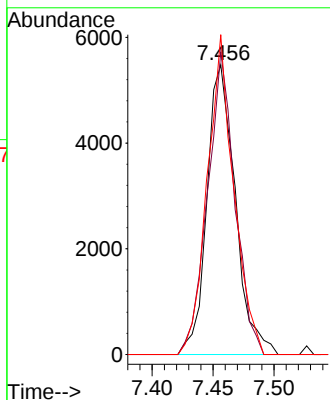
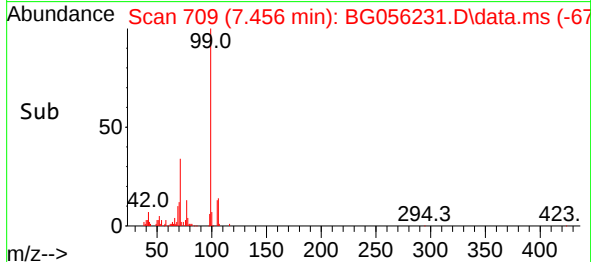
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



Tgt Ion: 77 Resp: 8894  
Ion Ratio Lower Upper  
77 100  
105 104.4 86.5 129.7  
106 110.4 80.8 121.2

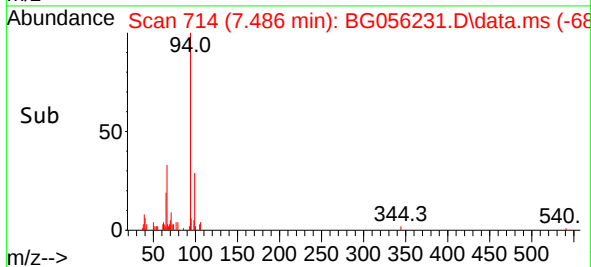
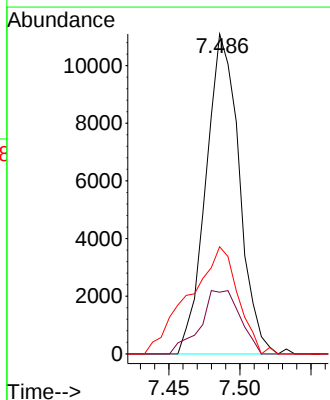
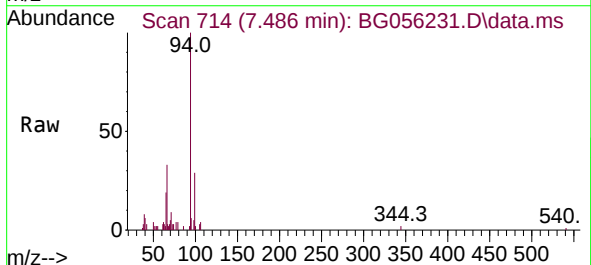
Manual Integrations  
APPROVED

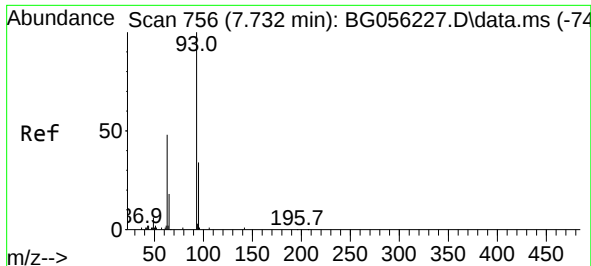
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#8  
Phenol  
Concen: 4.183 ng/ul  
RT: 7.486 min Scan# 714  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

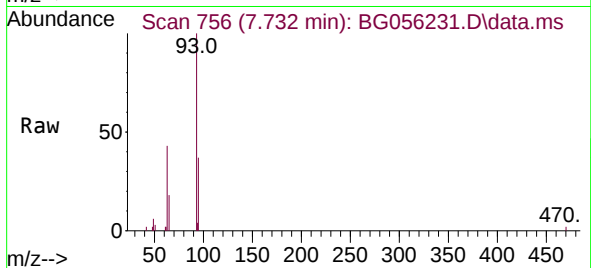
Tgt Ion: 94 Resp: 18033  
Ion Ratio Lower Upper  
94 100  
65 19.3 15.9 23.9  
66 33.5 24.6 37.0





#10  
Bis(2-Chloroethyl)ether  
Concen: 4.617 ng/ul  
RT: 7.732 min Scan# 756  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

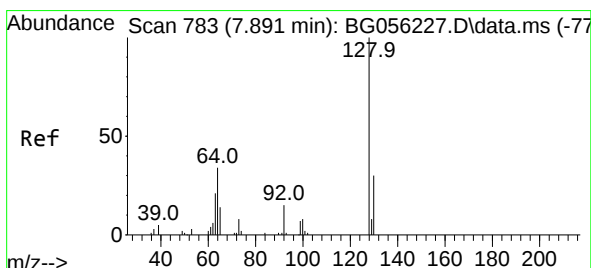
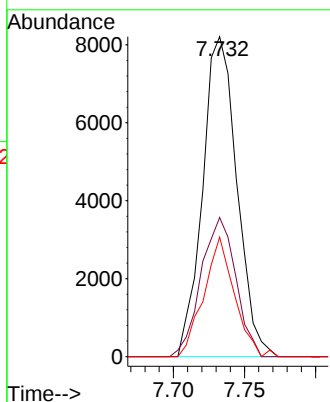
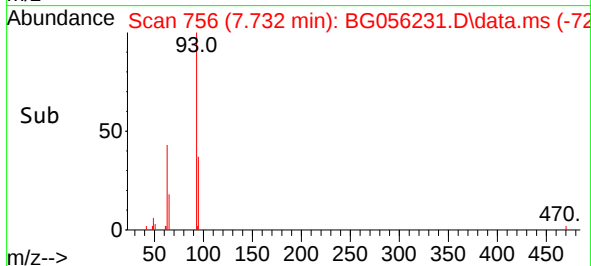
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion: 93 Resp: 1378  
Ion Ratio Lower Upper  
93 100  
63 43.5 37.4 56.2  
95 37.3 28.1 42.1

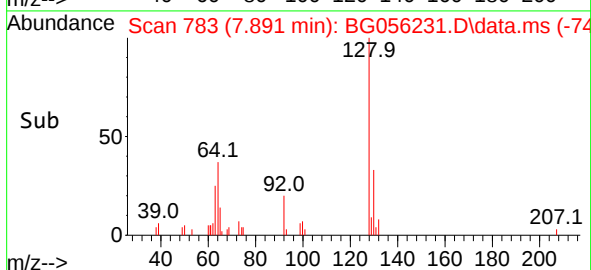
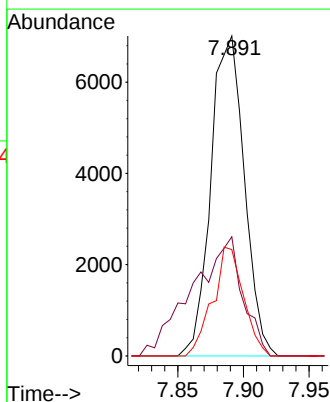
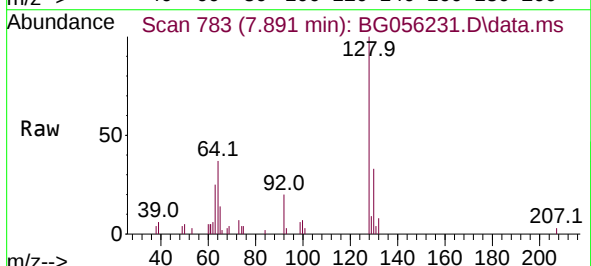
Manual Integrations  
APPROVED

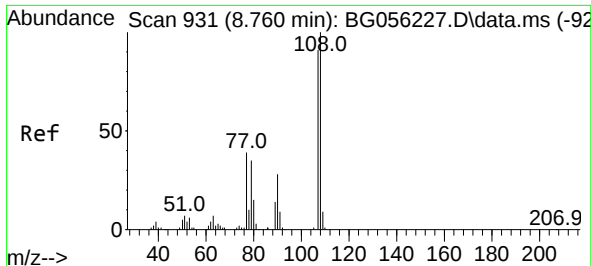
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#12  
2-Chlorophenol  
Concen: 4.339 ng/ul  
RT: 7.891 min Scan# 783  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

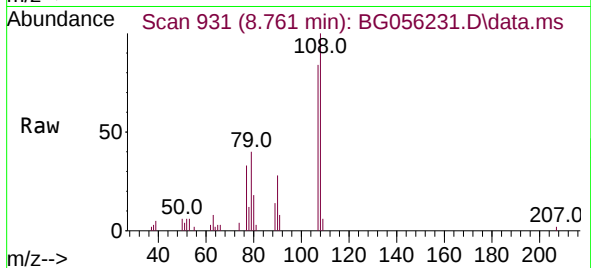
Tgt Ion:128 Resp: 12460  
Ion Ratio Lower Upper  
128 100  
64 37.2 29.0 43.6  
130 33.2 25.3 37.9





#13  
2-Methylphenol  
Concen: 4.154 ng/ul  
RT: 8.761 min Scan# 931  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

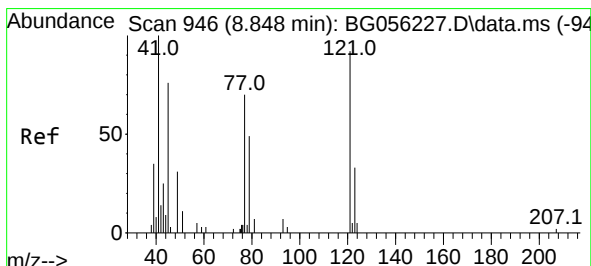
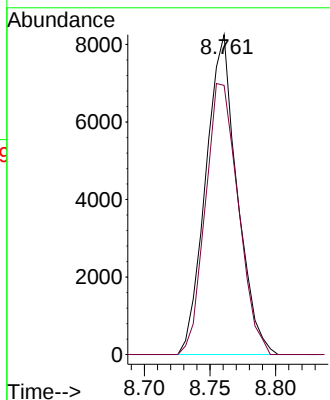
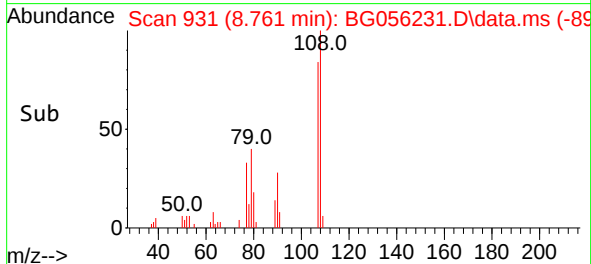
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



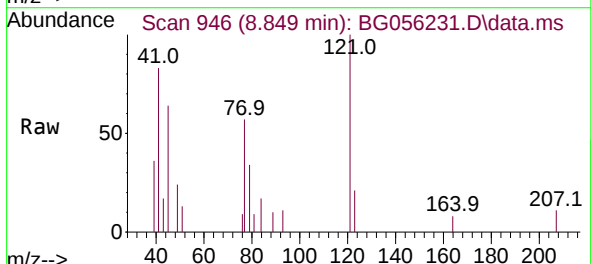
Tgt Ion:108 Resp: 13752  
Ion Ratio Lower Upper  
108 100  
107 84.1 70.5 105.7

Manual Integrations  
APPROVED

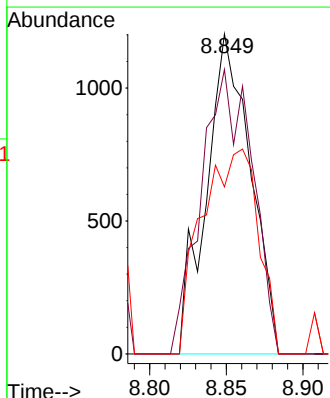
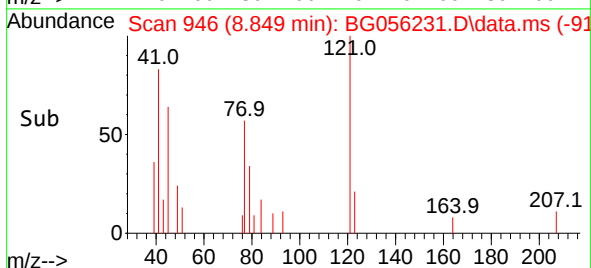
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

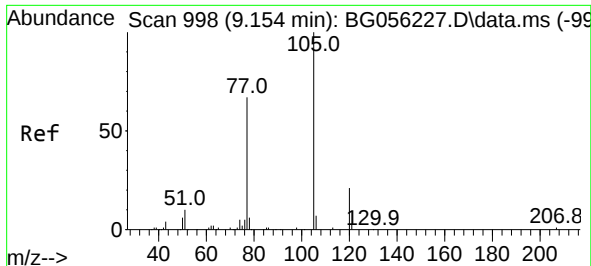


#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.461 ng/ul m  
RT: 8.849 min Scan# 946  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



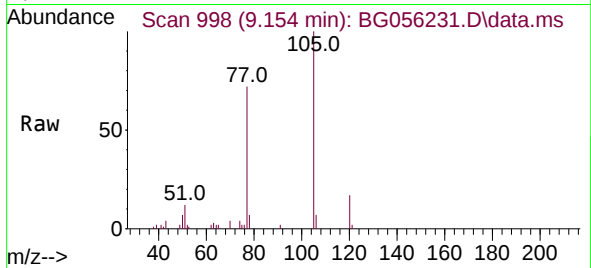
Tgt Ion: 45 Resp: 2420  
Ion Ratio Lower Upper  
45 100  
77 88.9 90.5 135.7#  
79 52.2 75.8 113.6#





#16  
Acetophenone  
Concen: 4.185 ng/ul  
RT: 9.154 min Scan# 998  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

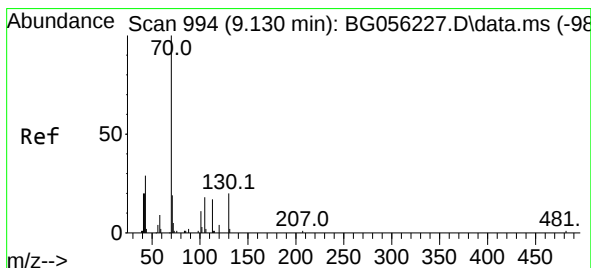
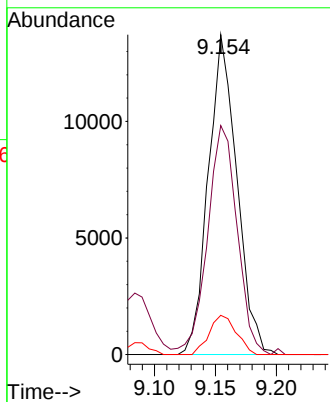
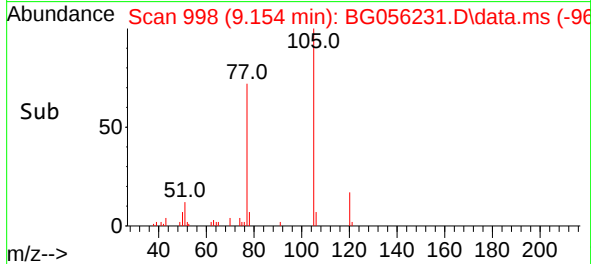
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion:105 Resp: 22395  
Ion Ratio Lower Upper  
105 100  
77 71.6 52.8 79.2  
51 12.3 10.1 15.1

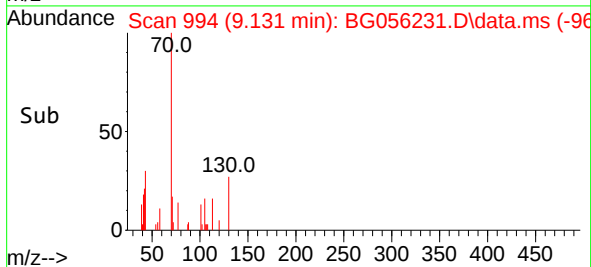
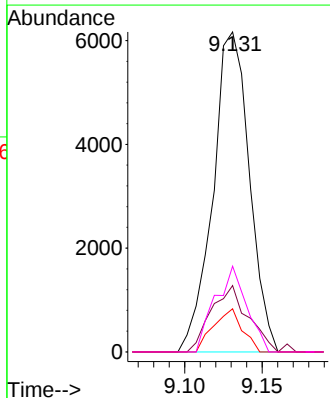
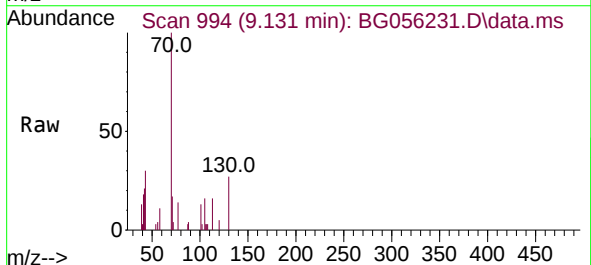
Manual Integrations  
APPROVED

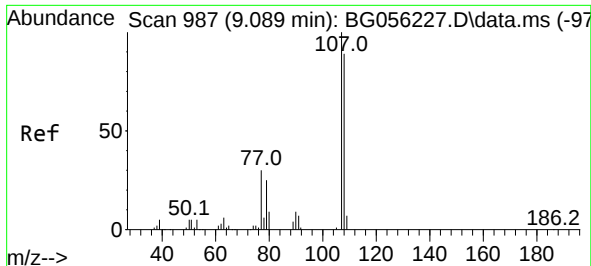
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#17  
N-Nitroso-di-n-propylamine  
Concen: 4.265 ng/ul  
RT: 9.131 min Scan# 994  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

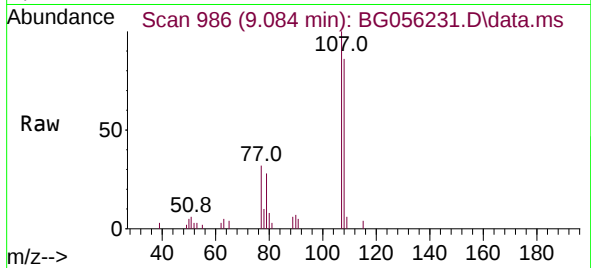
Tgt Ion: 70 Resp: 10110  
Ion Ratio Lower Upper  
70 100  
42 20.7 19.9 29.9  
101 13.5 9.8 14.6  
130 26.8 18.9 28.3





#18  
4-Methylphenol  
Concen: 3.980 ng/ul  
RT: 9.084 min Scan# 987  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

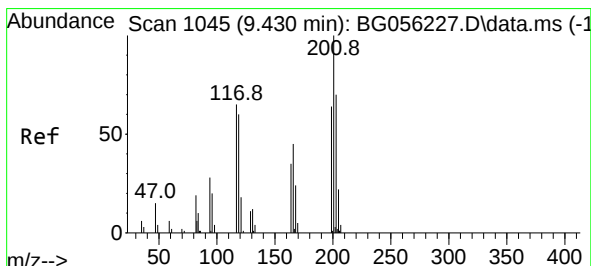
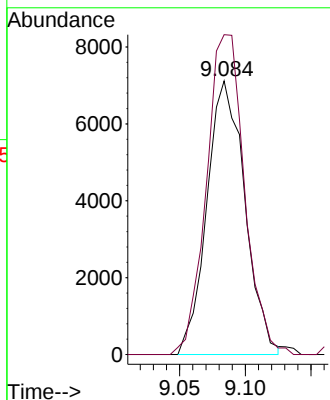
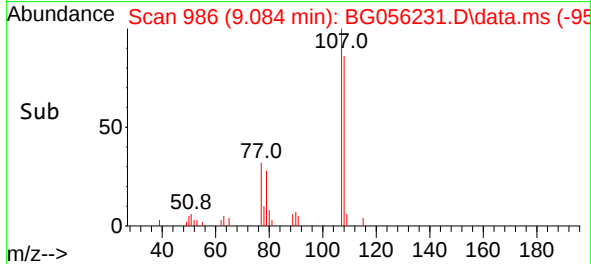
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion:108 Resp: 14314  
Ion Ratio Lower Upper  
108 100  
107 116.9 91.5 137.3

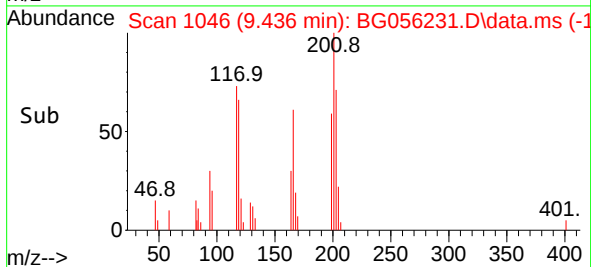
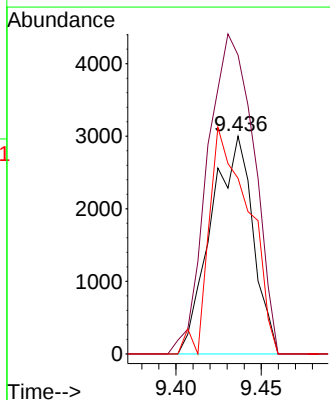
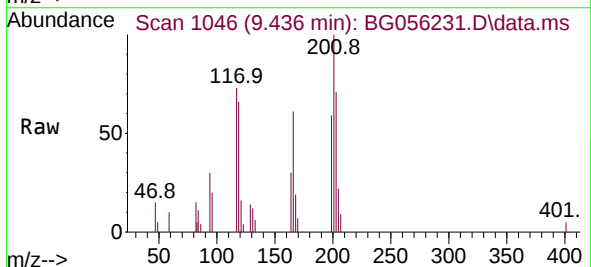
Manual Integrations  
APPROVED

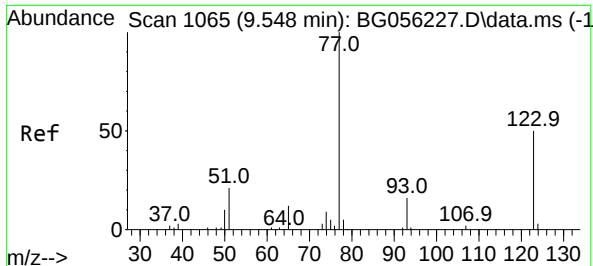
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#19  
Hexachloroethane  
Concen: 4.584 ng/ul  
RT: 9.436 min Scan# 1046  
Delta R.T. 0.004 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

Tgt Ion:117 Resp: 5124  
Ion Ratio Lower Upper  
117 100  
201 137.3 132.0 198.0  
199 80.7 89.4 134.0#





#22

Nitrobenzene

Concen: 4.247 ng/ul

RT: 9.548 min Scan# 1065

Delta R.T. -0.002 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-QT3-2022-05

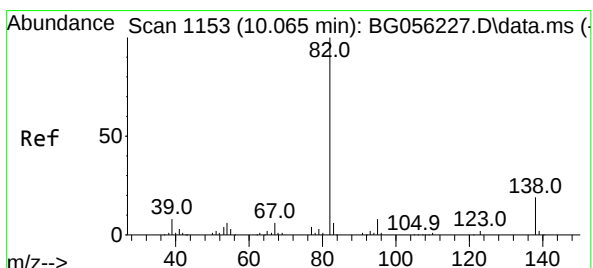
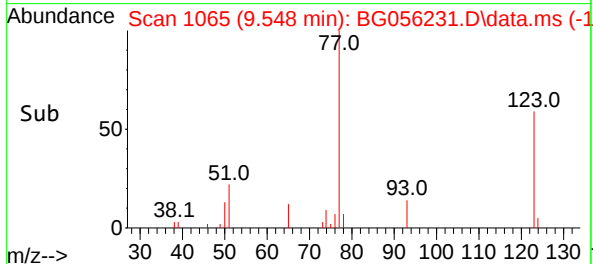
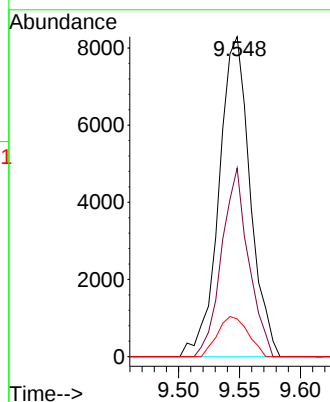
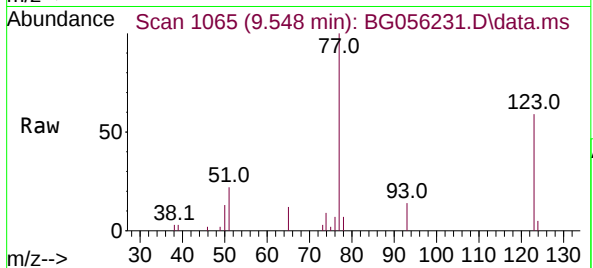
Tgt Ion: 77 Resp: 14745

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 58.9  | 42.2  | 63.2  |
| 65  | 11.8  | 10.5  | 15.7  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#23

Isophorone

Concen: 4.250 ng/ul

RT: 10.065 min Scan# 1153

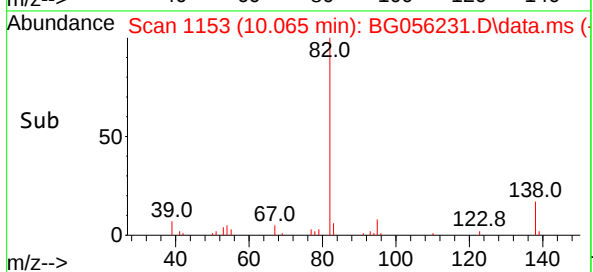
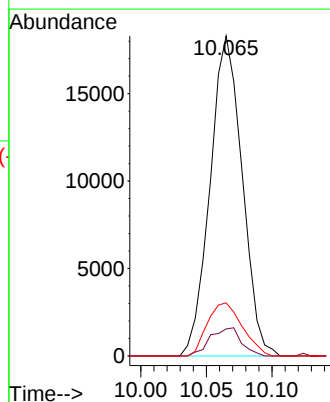
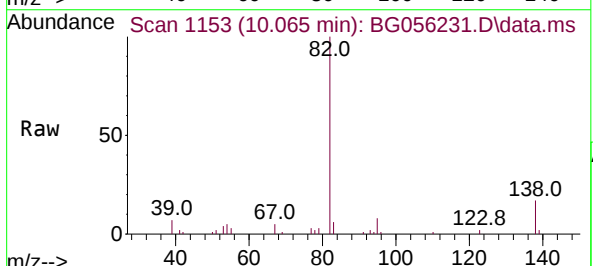
Delta R.T. -0.008 min

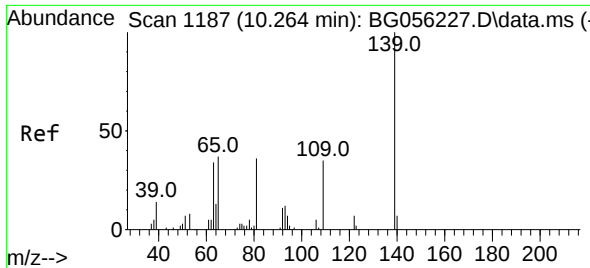
Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Tgt Ion: 82 Resp: 31108

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 8.4   | 6.9   | 10.3  |
| 138 | 16.6  | 15.4  | 23.2  |





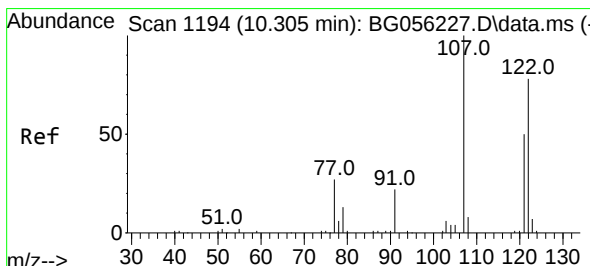
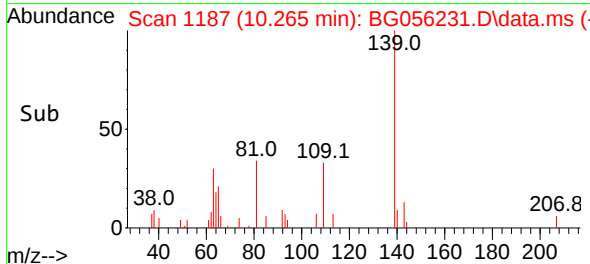
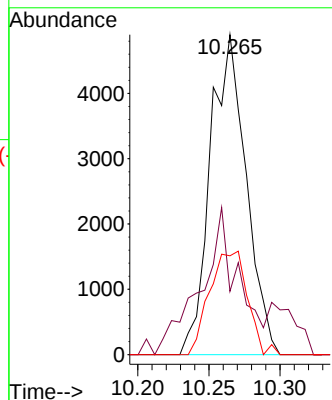
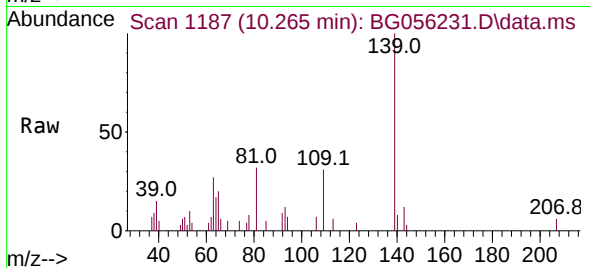
#25  
2-Nitrophenol  
Concen: 4.457 ng/ul  
RT: 10.265 min Scan# 1187  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05

Tgt Ion:139 Resp: 8600  
Ion Ratio Lower Upper  
139 100  
65 19.8 31.2 46.8  
109 30.9 30.1 45.1

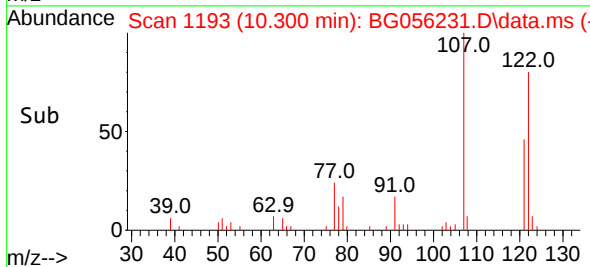
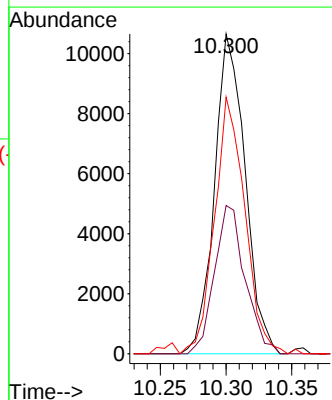
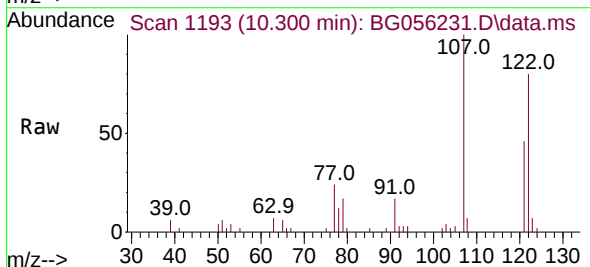
Manual Integrations  
APPROVED

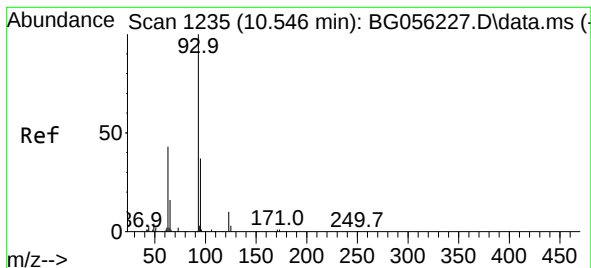
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#26  
2,4-Dimethylphenol  
Concen: 4.381 ng/ul  
RT: 10.300 min Scan# 1193  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

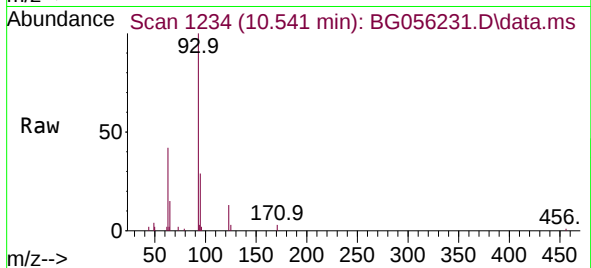
Tgt Ion:107 Resp: 17314  
Ion Ratio Lower Upper  
107 100  
121 46.4 40.5 60.7  
122 80.2 66.8 100.2





#27  
Bis(2-Chloroethoxy)methane  
Concen: 4.432 ng/ul  
RT: 10.541 min Scan# 1234  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

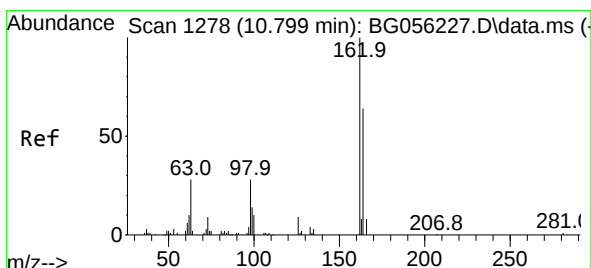
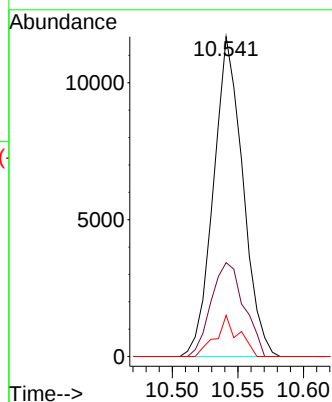
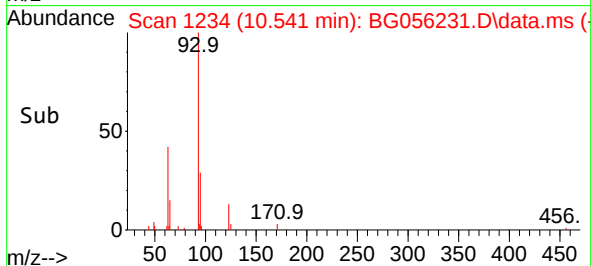
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



Tgt Ion: 93 Resp: 18169  
Ion Ratio Lower Upper  
93 100  
95 29.4 25.4 38.0  
123 12.9 8.5 12.7

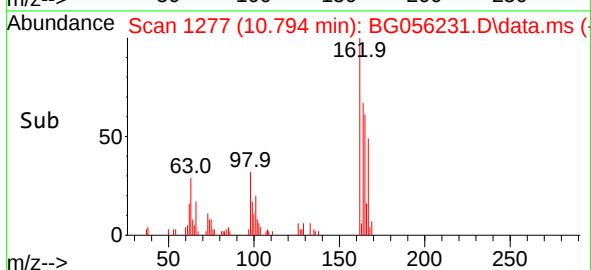
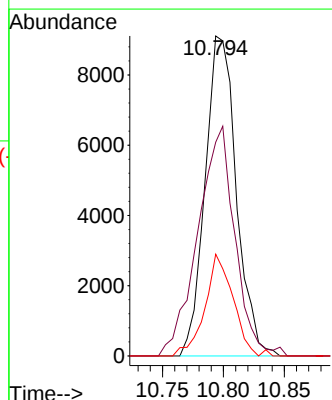
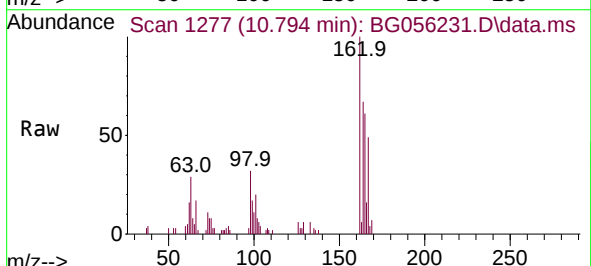
Manual Integrations  
APPROVED

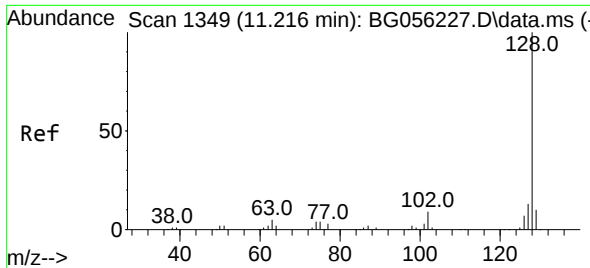
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#29  
2,4-Dichlorophenol  
Concen: 4.325 ng/ul  
RT: 10.794 min Scan# 1277  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

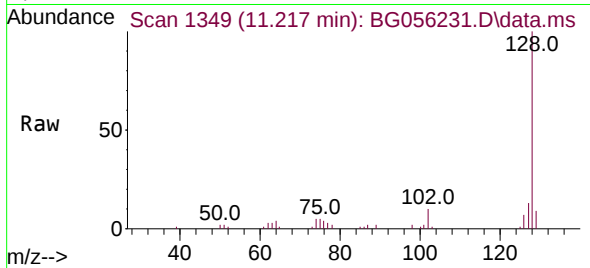
Tgt Ion:162 Resp: 16256  
Ion Ratio Lower Upper  
162 100  
164 66.8 52.5 78.7  
98 31.8 24.7 37.1





#30  
Naphthalene  
Concen: 4.516 ng/ul  
RT: 11.217 min Scan# 1349  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

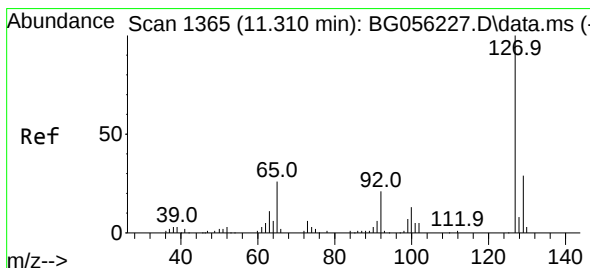
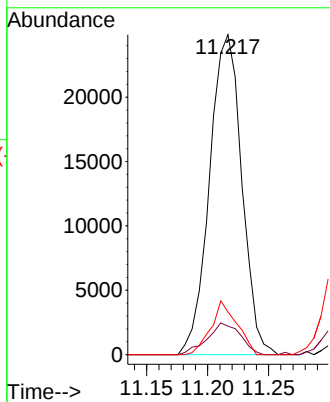
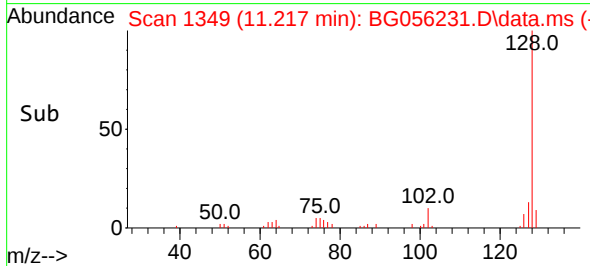
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



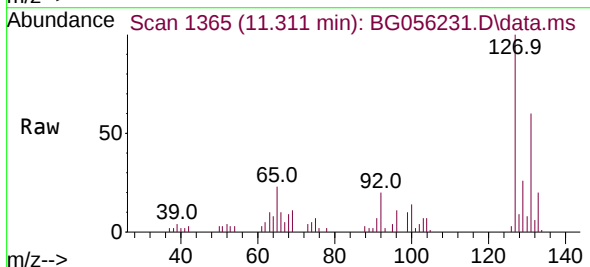
Tgt Ion:128 Resp: 45775  
Ion Ratio Lower Upper  
128 100  
129 8.9 8.5 12.7  
127 13.3 10.9 16.3

Manual Integrations  
APPROVED

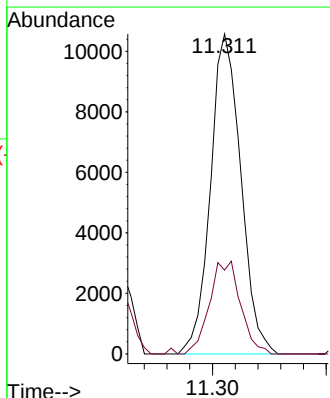
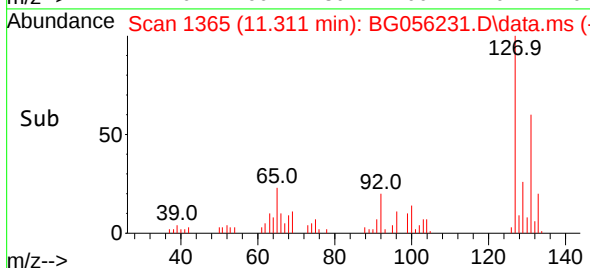
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

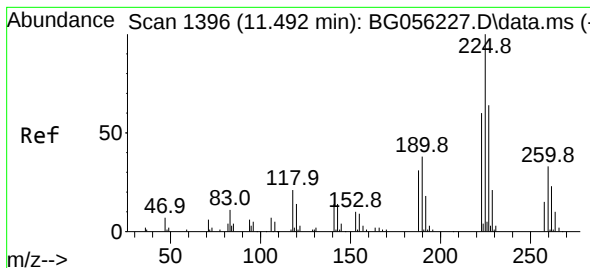


#32  
4-Chloroaniline  
Concen: 4.283 ng/ul  
RT: 11.311 min Scan# 1365  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



Tgt Ion:127 Resp: 19627  
Ion Ratio Lower Upper  
127 100  
129 26.2 23.5 35.3





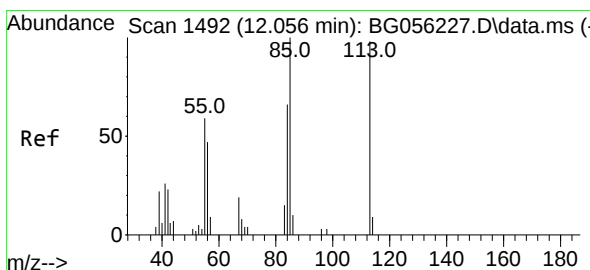
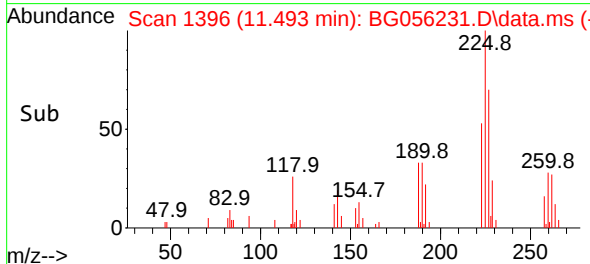
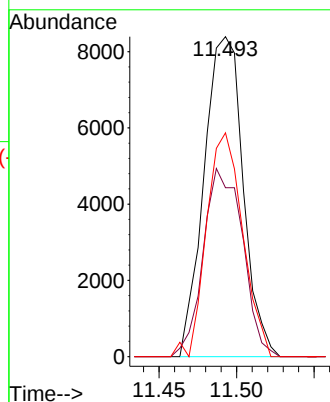
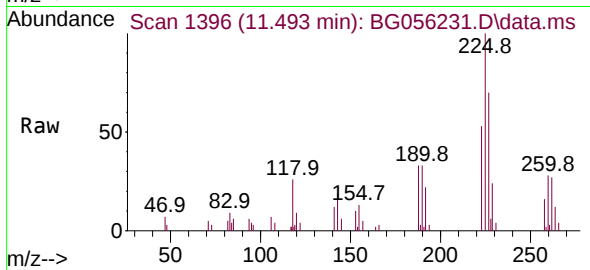
#33  
Hexachlorobutadiene  
Concen: 4.572 ng/ul  
RT: 11.493 min Scan# 1396  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05

Tgt Ion:225 Resp: 1474  
Ion Ratio Lower Upper  
225 100  
223 52.8 49.8 74.6  
227 69.9 51.8 77.6

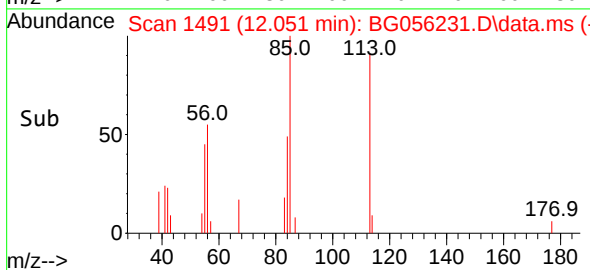
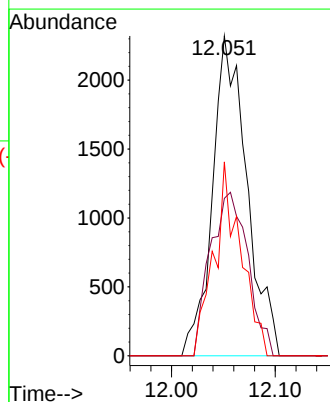
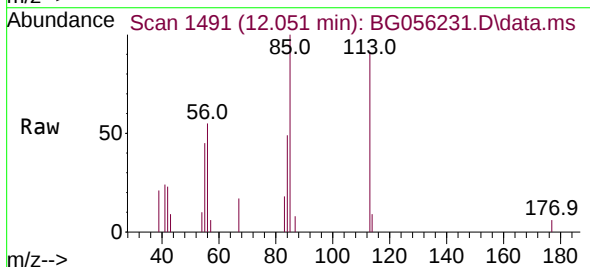
Manual Integrations  
APPROVED

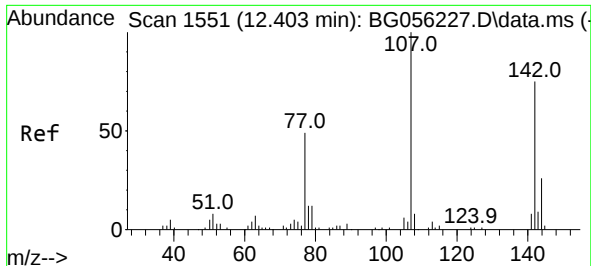
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#34  
Caprolactam  
Concen: 4.543 ng/ul m  
RT: 12.051 min Scan# 1491  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

Tgt Ion:113 Resp: 5359  
Ion Ratio Lower Upper  
113 100  
55 49.2 39.3 58.9  
56 60.6 39.5 59.3#





#35

4-Chloro-3-methylphenol

Concen: 4.064 ng/ul

RT: 12.398 min Scan# 1550

Delta R.T. -0.008 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Instrument :

BNA\_G

ClientSampleId :

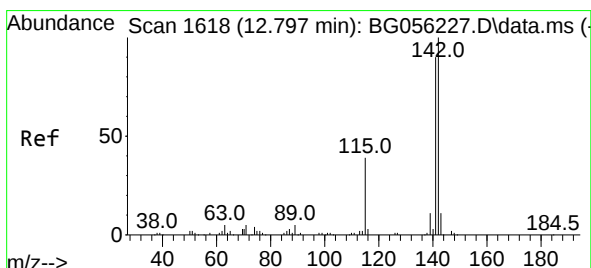
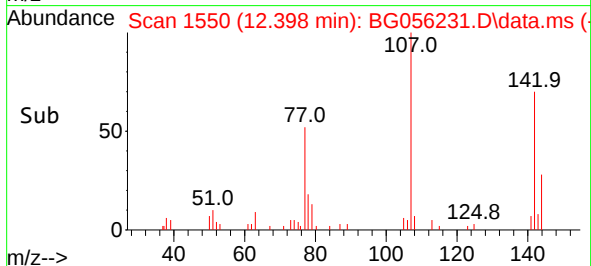
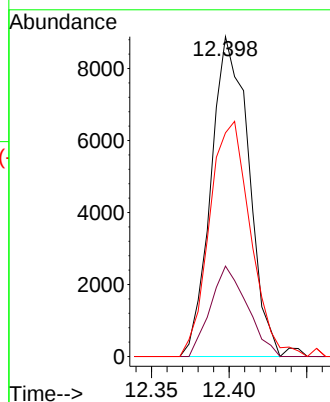
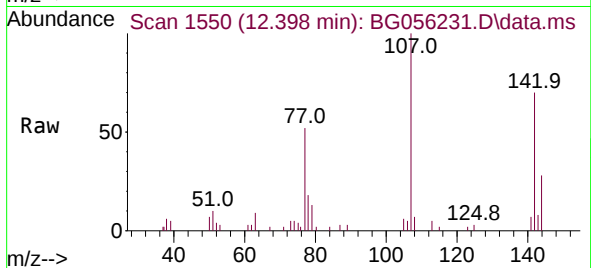
MDL-SOIL-QT3-2022-05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 14986 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 144       | 28.3  | 21.0  | 31.6  |
| 142       | 69.9  | 67.9  | 101.9 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#36

2-Methylnaphthalene

Concen: 4.390 ng/ul

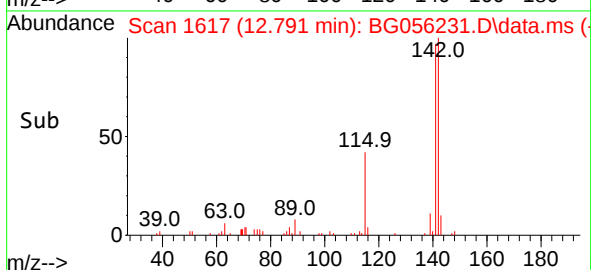
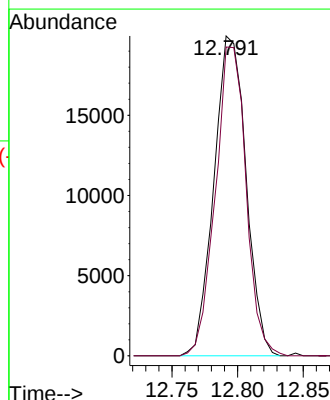
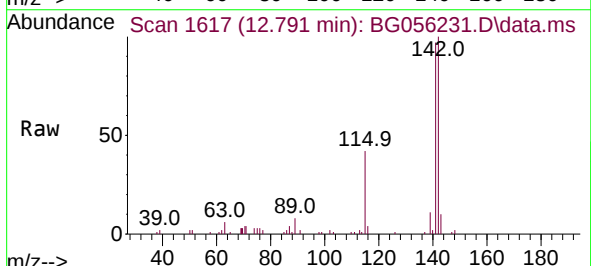
RT: 12.791 min Scan# 1617

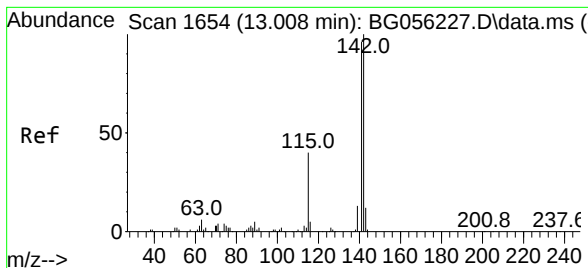
Delta R.T. -0.008 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 33989 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 96.5  | 71.6  | 107.4 |





#37

1-Methylnaphthalene

Concen: 4.136 ng/ul

RT: 13.009 min Scan# 1654

Delta R.T. -0.002 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Instrument :

BNA\_G

ClientSampleId :

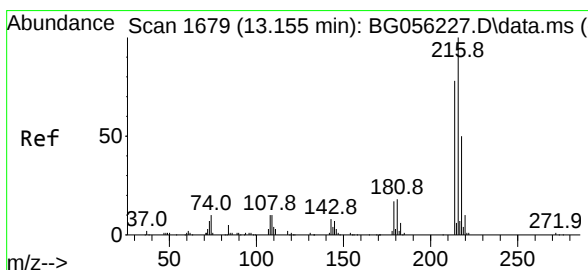
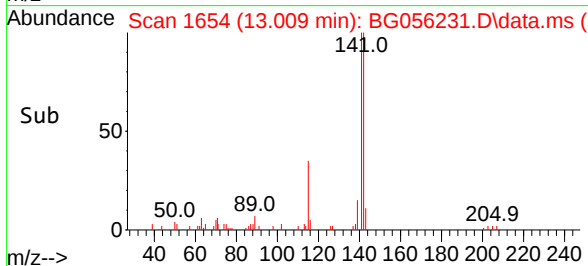
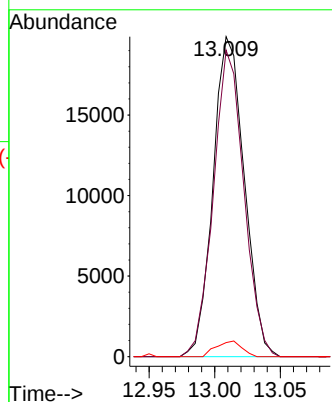
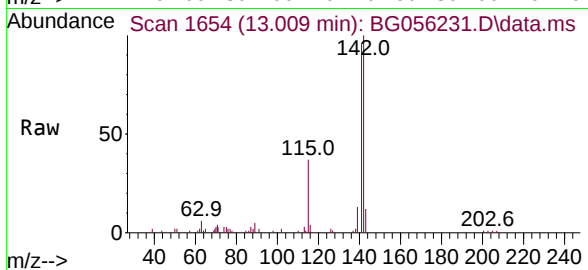
MDL-SOIL-QT3-2022-05

Tgt Ion:142 Resp: 32930  
 Ion Ratio Lower Upper  
 142 100  
 141 95.8 71.7 107.5  
 116 4.4 3.4 5.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
 Supervised By :mohammad ahmed 01/12/2023



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.362 ng/ul

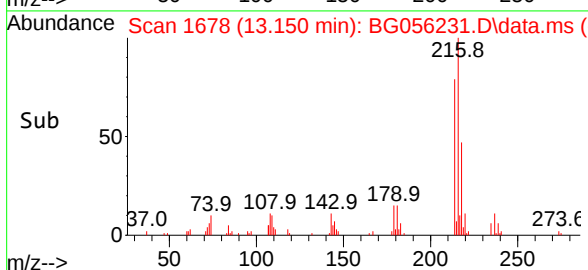
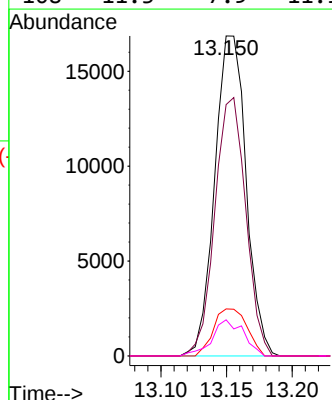
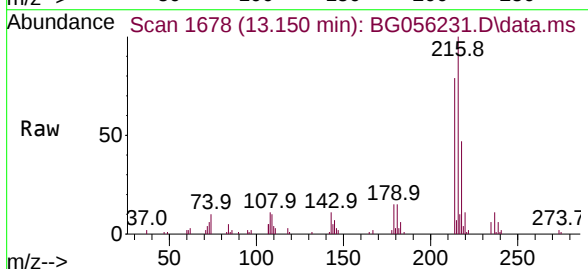
RT: 13.150 min Scan# 1678

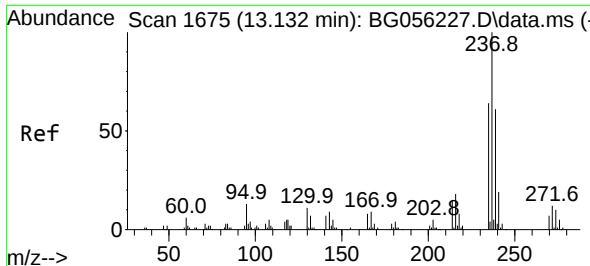
Delta R.T. -0.008 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

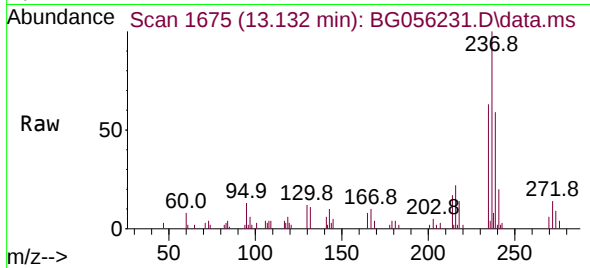
Tgt Ion:216 Resp: 28069  
 Ion Ratio Lower Upper  
 216 100  
 214 78.5 62.0 93.0  
 179 14.7 13.8 20.8  
 108 11.3 7.9 11.9





#40  
Hexachlorocyclopentadiene  
Concen: 3.550 ng/ul  
RT: 13.132 min Scan# 1675  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

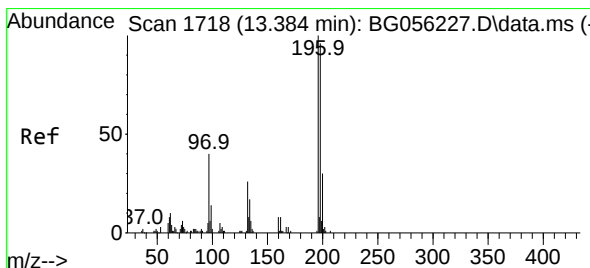
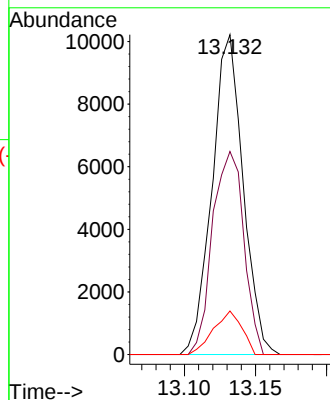
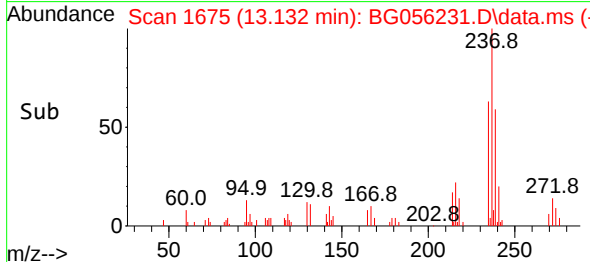
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



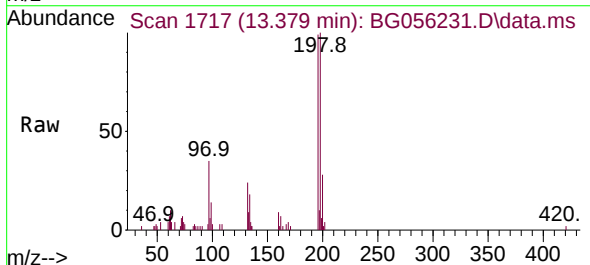
Tgt Ion:237 Resp: 15527  
Ion Ratio Lower Upper  
237 100  
235 58.9 48.6 72.8  
272 12.7 10.2 15.4

Manual Integrations  
APPROVED

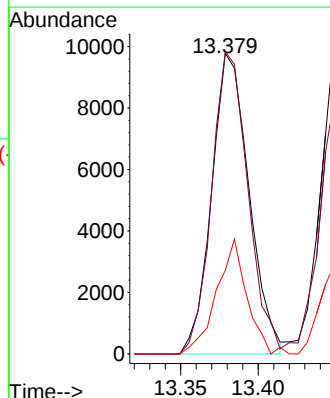
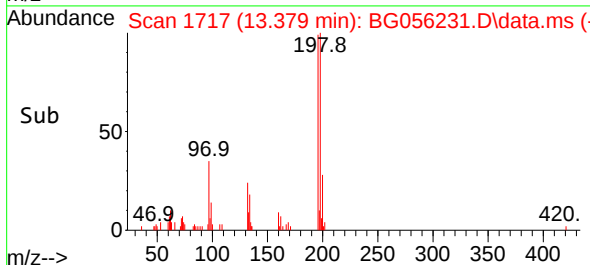
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

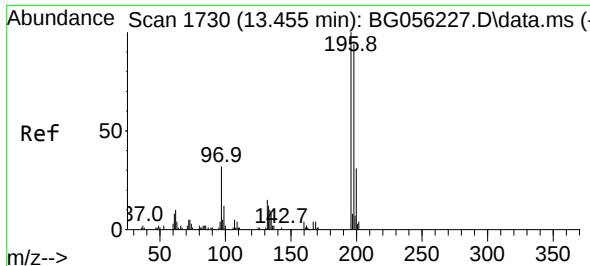


#41  
2,4,6-Trichlorophenol  
Concen: 4.017 ng/ul  
RT: 13.379 min Scan# 1717  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



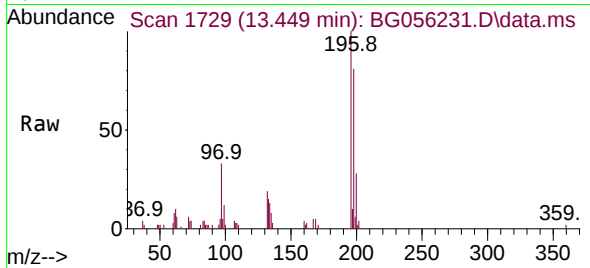
Tgt Ion:196 Resp: 16412  
Ion Ratio Lower Upper  
196 100  
198 100.5 76.2 114.2  
200 30.2 25.0 37.4





#42  
2,4,5-Trichlorophenol  
Concen: 4.066 ng/ul m  
RT: 13.449 min Scan# 1729  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

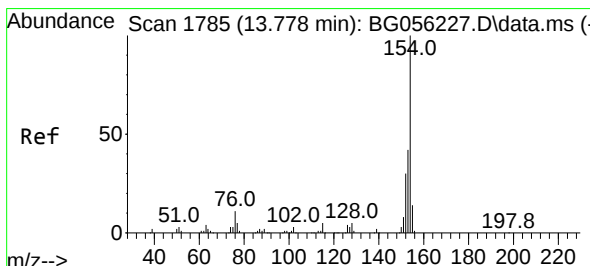
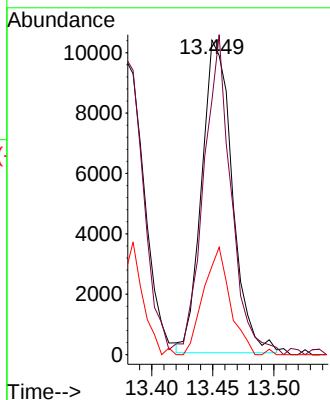
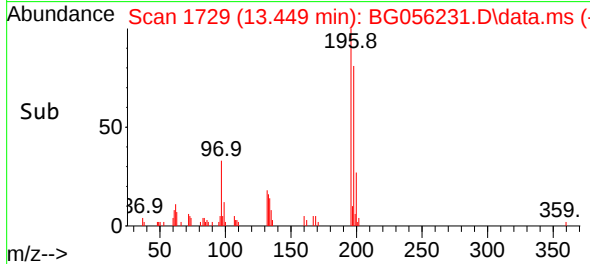
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion:196 Resp: 18066  
Ion Ratio Lower Upper  
196 100  
198 80.9 80.2 120.4  
200 28.1 23.6 35.4

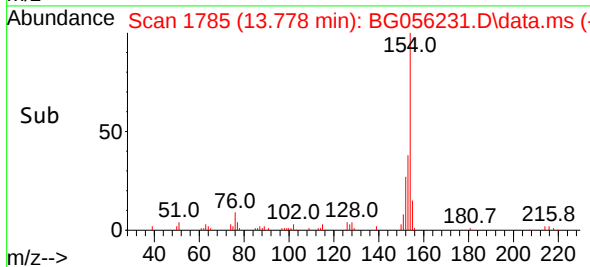
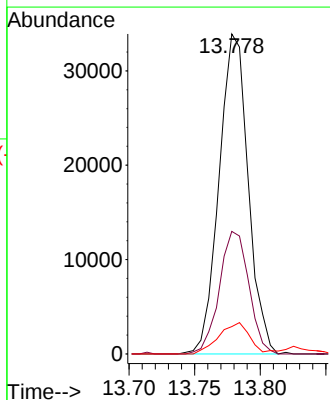
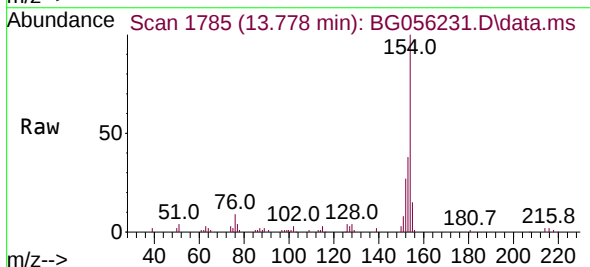
Manual Integrations  
APPROVED

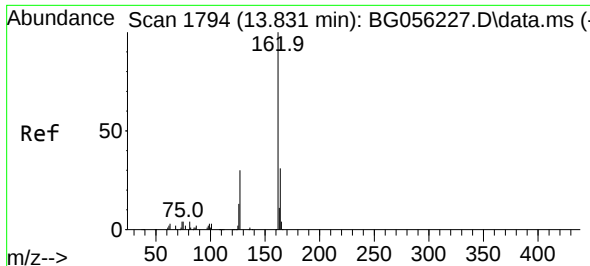
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#43  
1,1'-Biphenyl  
Concen: 4.368 ng/ul  
RT: 13.778 min Scan# 1785  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

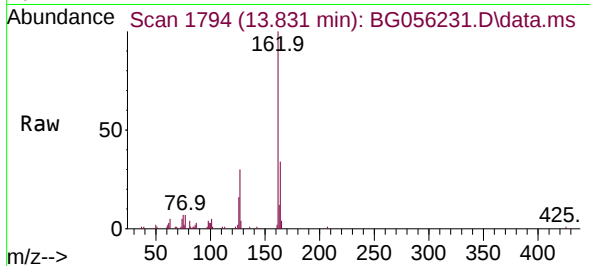
Tgt Ion:154 Resp: 52264  
Ion Ratio Lower Upper  
154 100  
153 38.3 34.0 51.0  
76 8.5 8.5 12.7





#44  
2-Chloronaphthalene  
Concen: 4.225 ng/ul  
RT: 13.831 min Scan# 1794  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

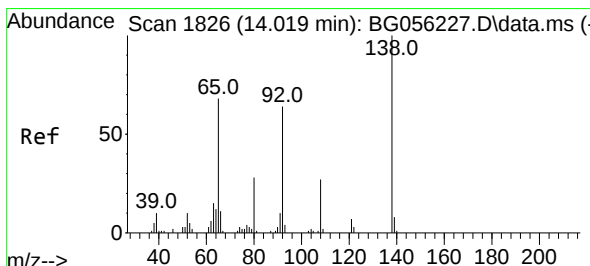
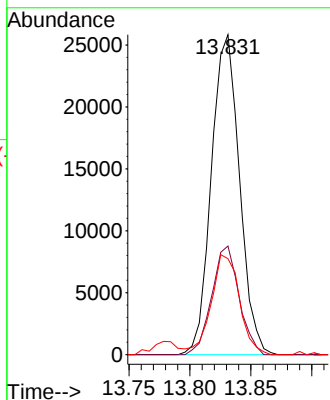
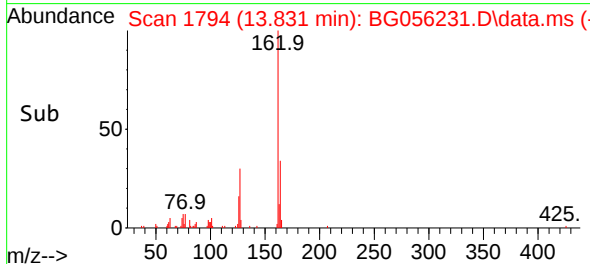
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



Tgt Ion:162 Resp: 41459  
Ion Ratio Lower Upper  
162 100  
164 33.9 25.9 38.9  
127 30.0 24.6 36.8

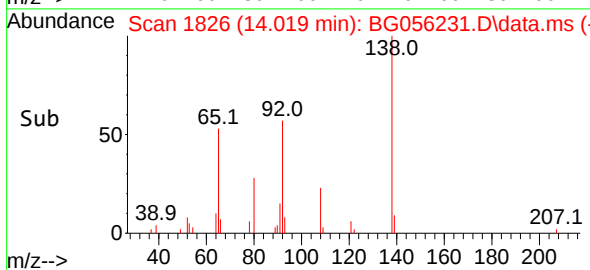
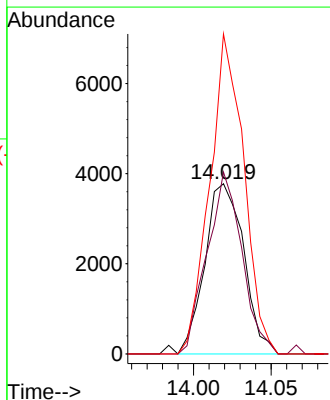
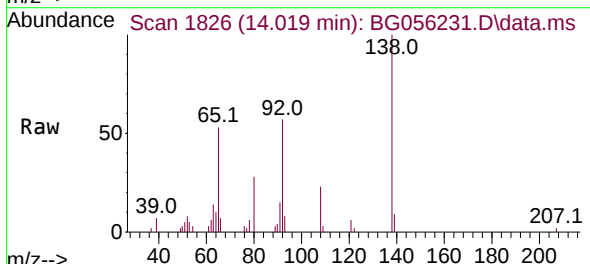
Manual Integrations  
APPROVED

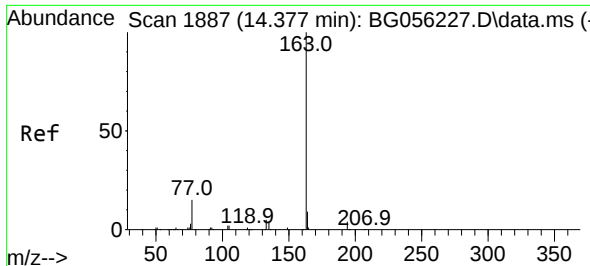
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#45  
2-Nitroaniline  
Concen: 3.523 ng/ul  
RT: 14.019 min Scan# 1826  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

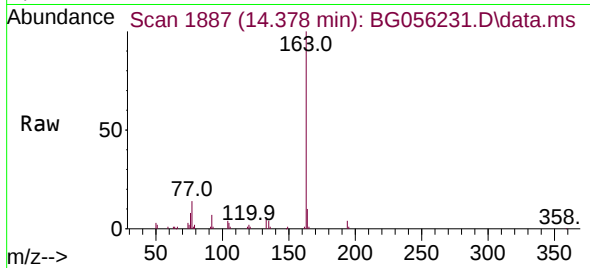
Tgt Ion: 65 Resp: 6598  
Ion Ratio Lower Upper  
65 100  
92 106.9 68.2 102.2#  
138 188.1 109.7 164.5#





#47  
Dimethylphthalate  
Concen: 4.139 ng/ul  
RT: 14.378 min Scan# 1887  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

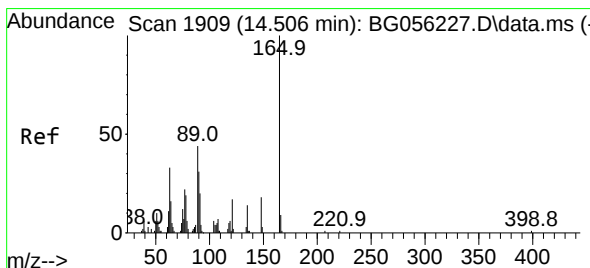
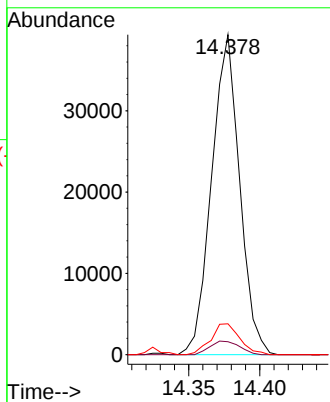
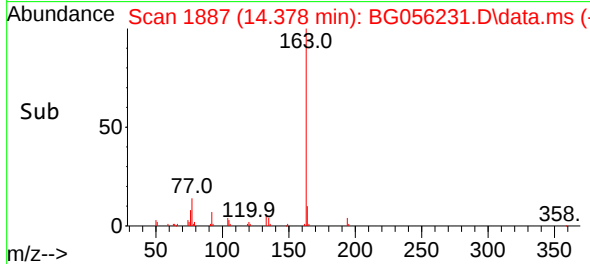
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



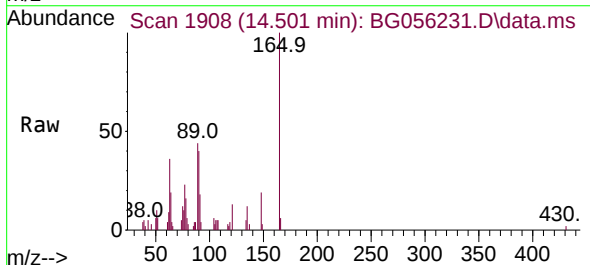
Tgt Ion:163 Resp: 53954  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.5 5.3  
164 9.6 8.6 12.8

Manual Integrations  
APPROVED

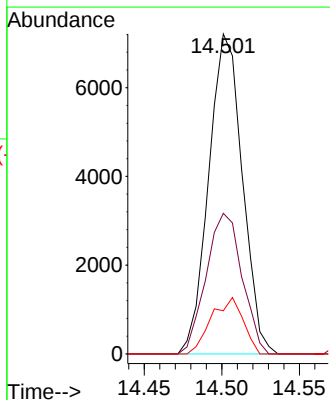
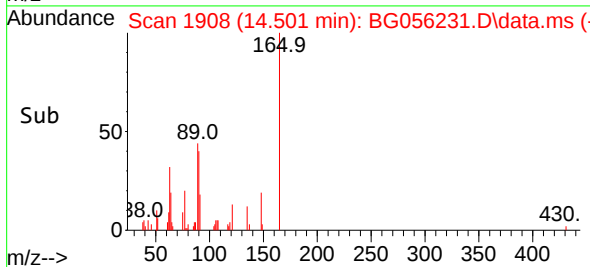
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

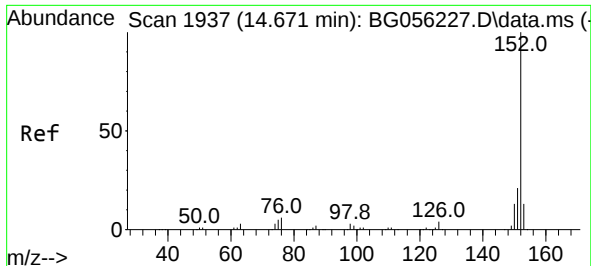


#48  
2,6-Dinitrotoluene  
Concen: 3.985 ng/ul  
RT: 14.501 min Scan# 1908  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



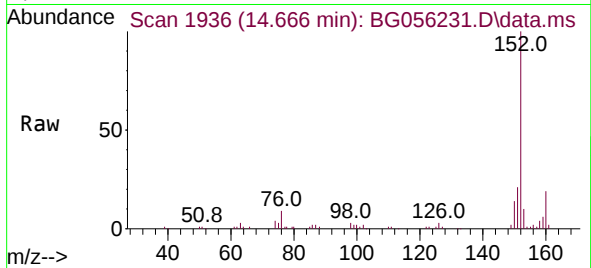
Tgt Ion:165 Resp: 10908  
Ion Ratio Lower Upper  
165 100  
89 43.9 36.2 54.4  
121 13.5 12.2 18.4





#50  
Acenaphthylene  
Concen: 4.253 ng/ul  
RT: 14.666 min Scan# 1936  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

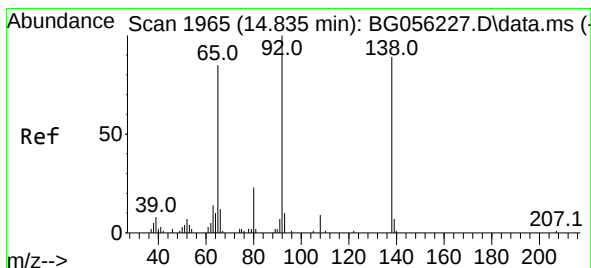
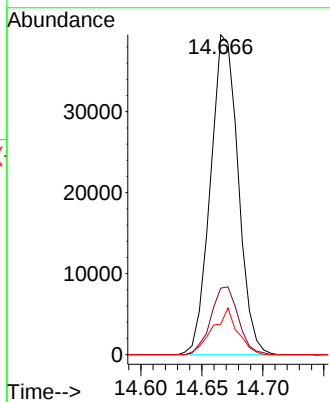
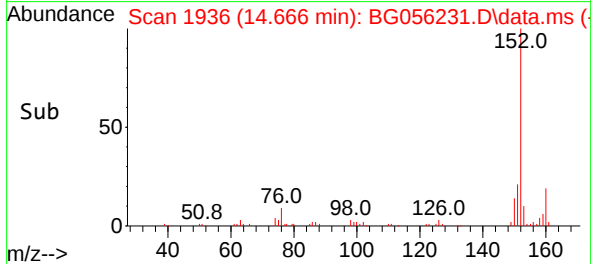
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



Tgt Ion:152 Resp: 62410  
Ion Ratio Lower Upper  
152 100  
151 20.8 15.4 23.2  
153 9.5 10.5 15.7

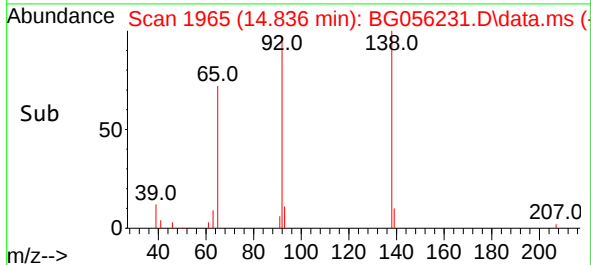
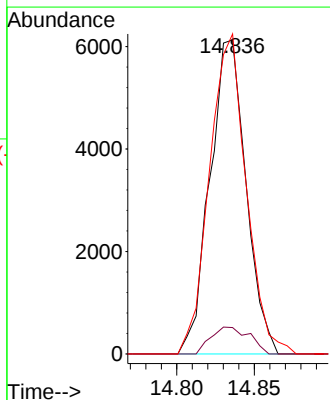
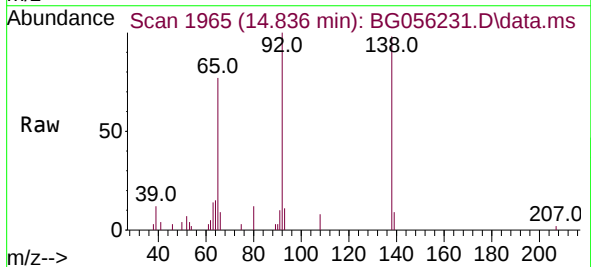
Manual Integrations  
APPROVED

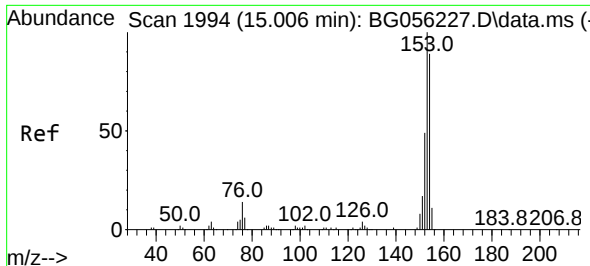
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#51  
3-Nitroaniline  
Concen: 4.796 ng/ul  
RT: 14.836 min Scan# 1965  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

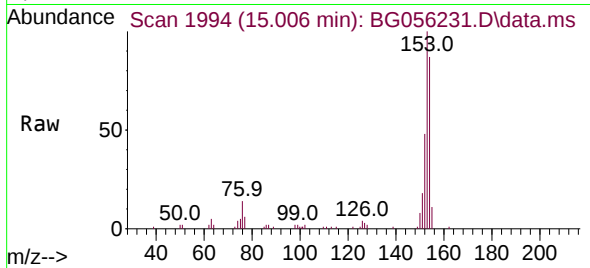
Tgt Ion:138 Resp: 9942  
Ion Ratio Lower Upper  
138 100  
108 8.4 8.3 12.5  
92 101.9 85.2 127.8





#52  
Acenaphthene  
Concen: 4.407 ng/ul  
RT: 15.006 min Scan# 1994  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

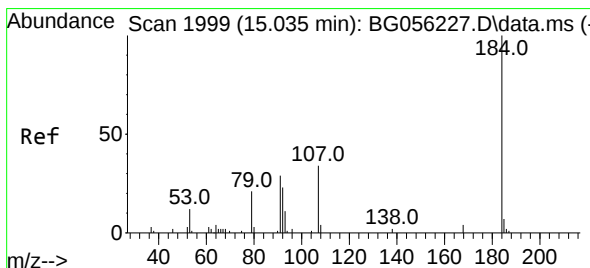
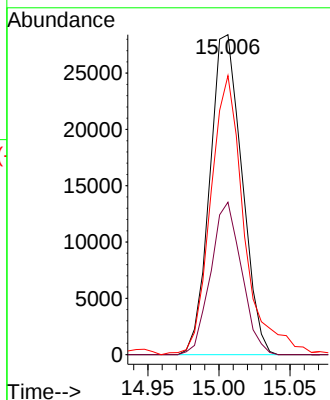
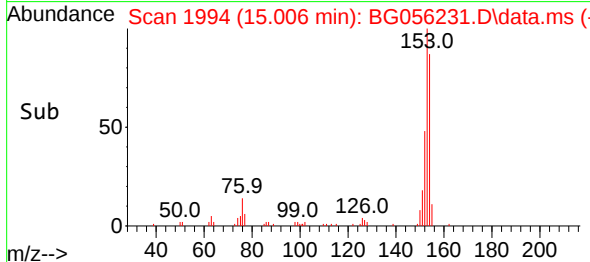
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



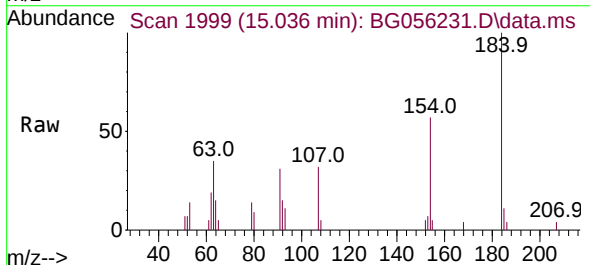
Tgt Ion:153 Resp: 44752  
Ion Ratio Lower Upper  
153 100  
152 47.6 38.0 57.0  
154 87.2 67.7 101.5

Manual Integrations  
APPROVED

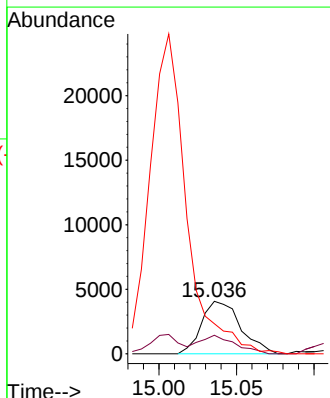
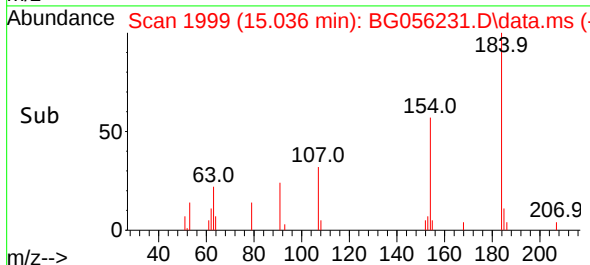
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

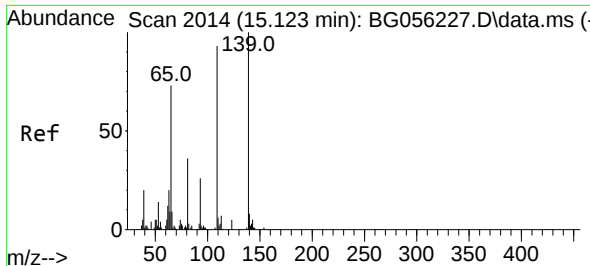


#53  
2,4-Dinitrophenol  
Concen: 3.665 ng/ul  
RT: 15.036 min Scan# 1999  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



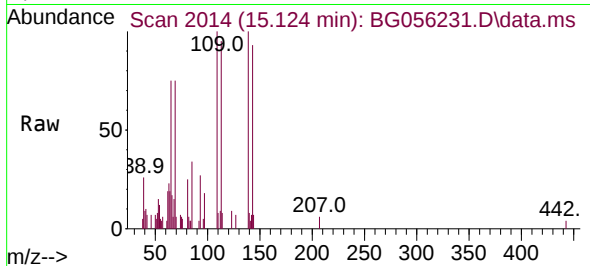
Tgt Ion:184 Resp: 7173  
Ion Ratio Lower Upper  
184 100  
63 35.3 22.4 33.6#  
154 57.3 42.2 63.4





#55  
4-Nitrophenol  
Concen: 3.479 ng/ul  
RT: 15.124 min Scan# 2014  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

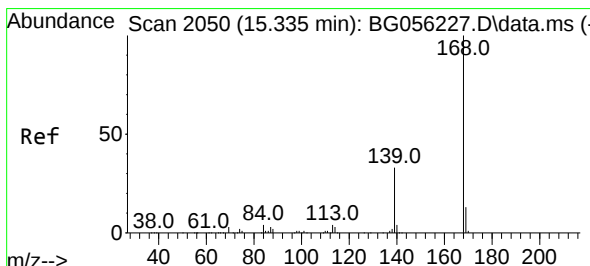
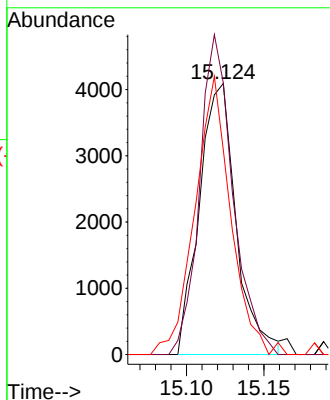
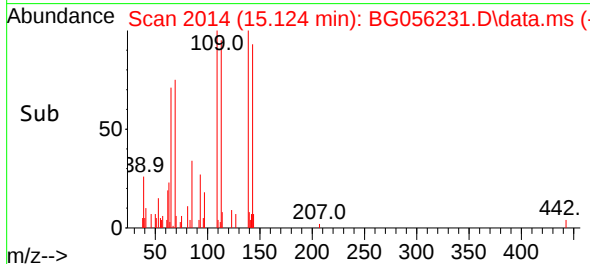
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion:109 Resp: 6775  
Ion Ratio Lower Upper  
109 100  
139 100.1 86.7 130.1  
65 75.4 67.9 101.9

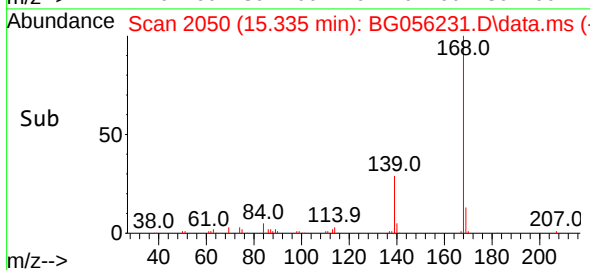
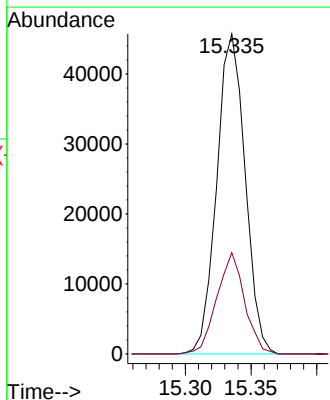
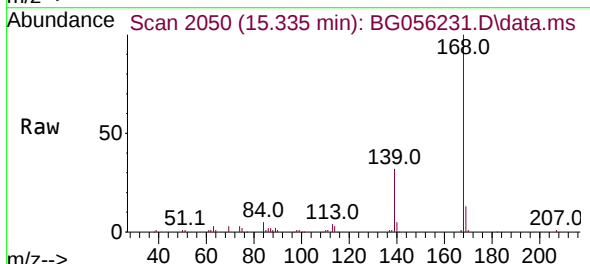
Manual Integrations  
APPROVED

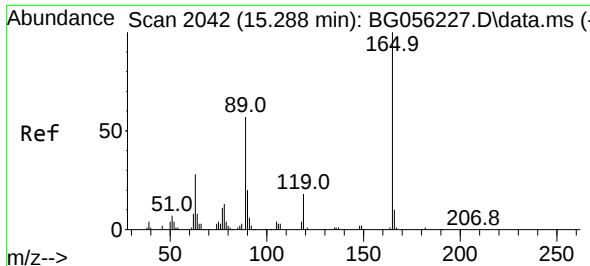
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#56  
Dibenzofuran  
Concen: 4.387 ng/ul  
RT: 15.335 min Scan# 2050  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

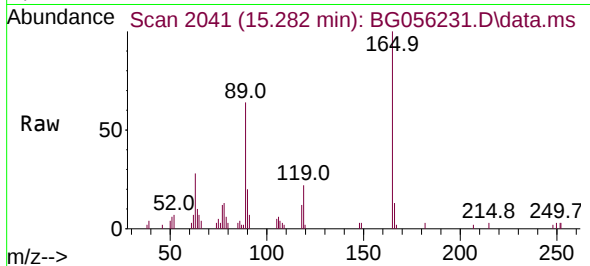
Tgt Ion:168 Resp: 68866  
Ion Ratio Lower Upper  
168 100  
139 31.6 25.0 37.4





#57  
2,4-Dinitrotoluene  
Concen: 4.067 ng/ul  
RT: 15.282 min Scan# 2042  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

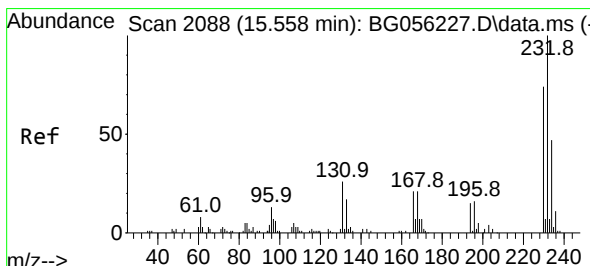
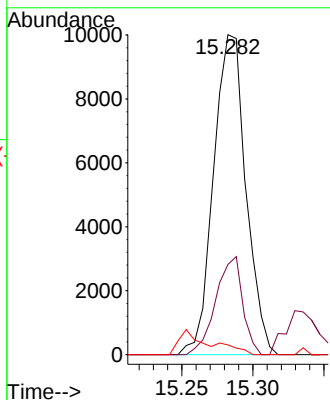
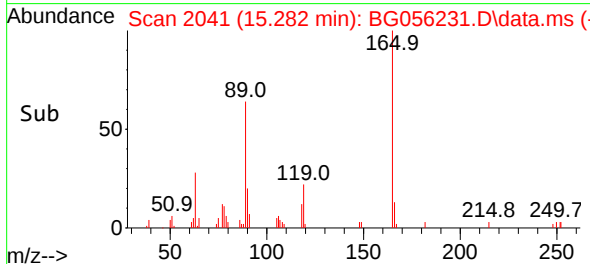
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



Tgt Ion:165 Resp: 15864  
Ion Ratio Lower Upper  
165 100  
63 28.2 20.9 31.3  
182 3.0 2.7 4.1

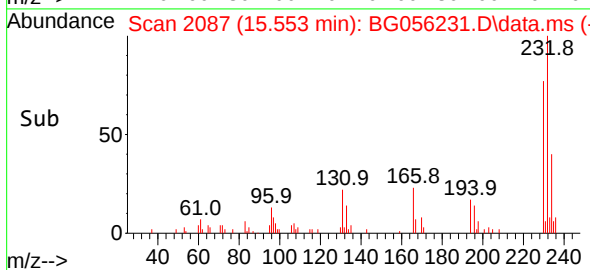
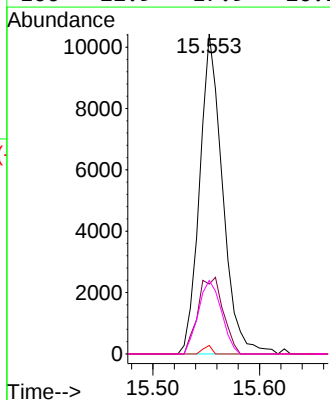
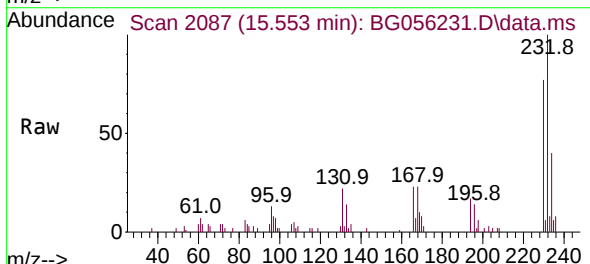
Manual Integrations  
APPROVED

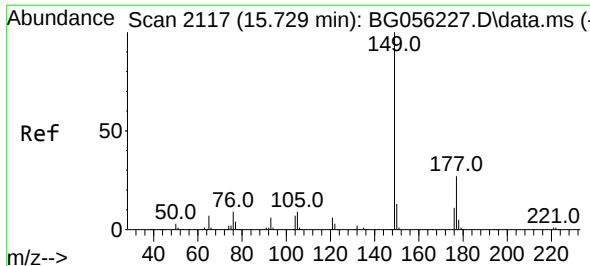
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 3.623 ng/ul  
RT: 15.553 min Scan# 2087  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

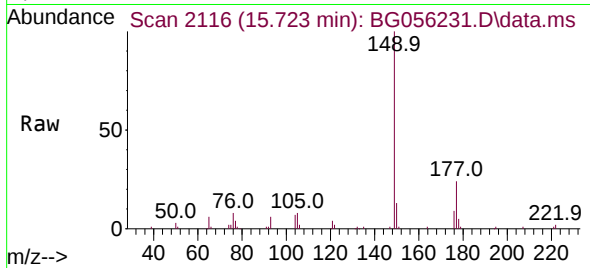
Tgt Ion:232 Resp: 15588  
Ion Ratio Lower Upper  
232 100  
131 21.8 22.9 34.3#  
130 2.6 1.7 2.5#  
166 22.9 17.9 26.9





#59  
Diethylphthalate  
Concen: 4.233 ng/ul  
RT: 15.723 min Scan# 2117  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

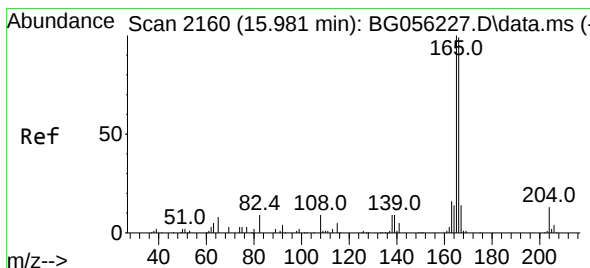
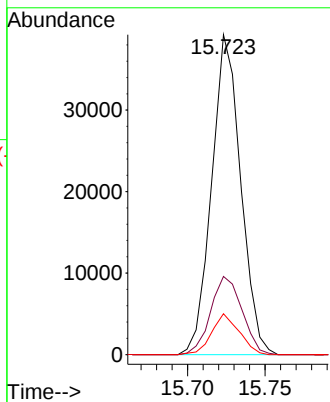
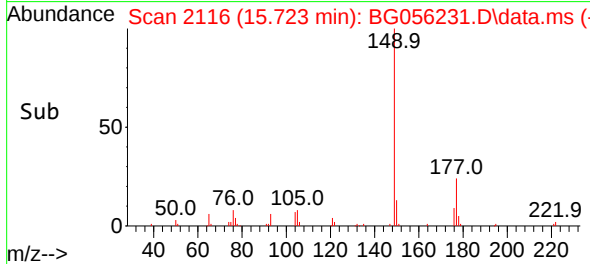
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion:149 Resp: 51311  
Ion Ratio Lower Upper  
149 100  
177 24.4 20.2 30.4  
150 12.8 9.9 14.9

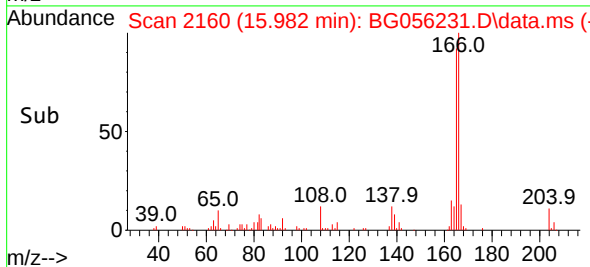
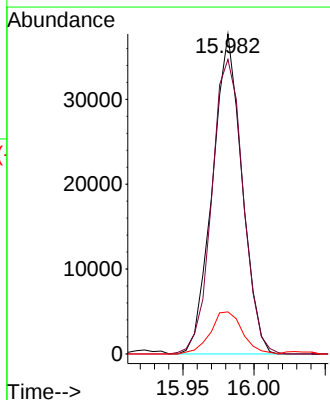
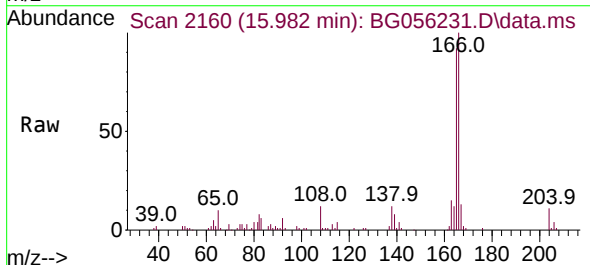
Manual Integrations  
APPROVED

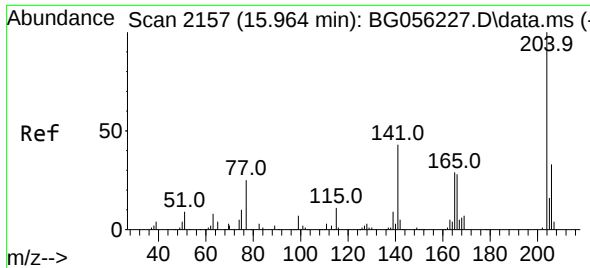
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#61  
Fluorene  
Concen: 4.302 ng/ul  
RT: 15.982 min Scan# 2160  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

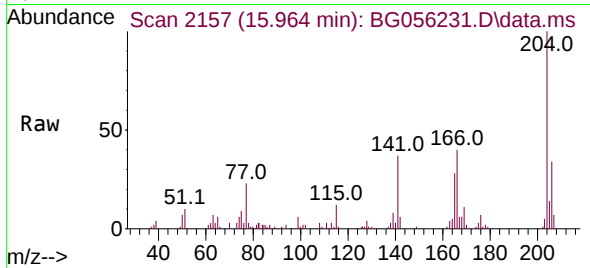
Tgt Ion:166 Resp: 54396  
Ion Ratio Lower Upper  
166 100  
165 92.0 78.5 117.7  
167 13.1 10.4 15.6





#62  
4-Chlorophenyl-phenylether  
Concen: 4.288 ng/ul  
RT: 15.964 min Scan# 2157  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

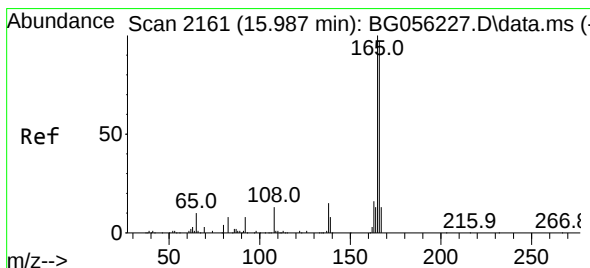
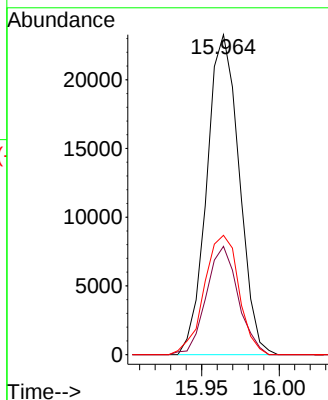
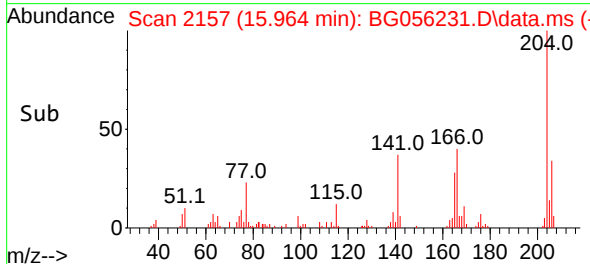
Instrument : BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



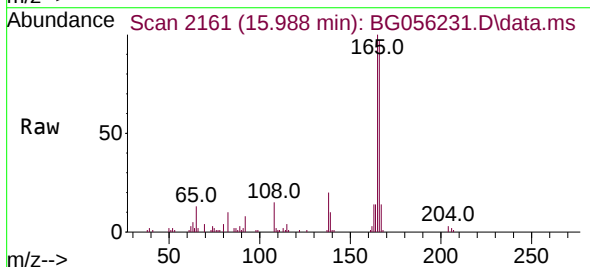
Tgt Ion:204 Resp: 3389  
Ion Ratio Lower Upper  
204 100  
206 33.8 25.0 37.4  
141 37.3 31.6 47.4

Manual Integrations  
APPROVED

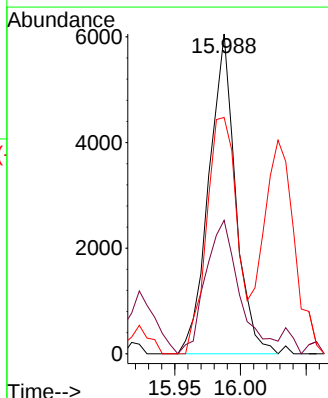
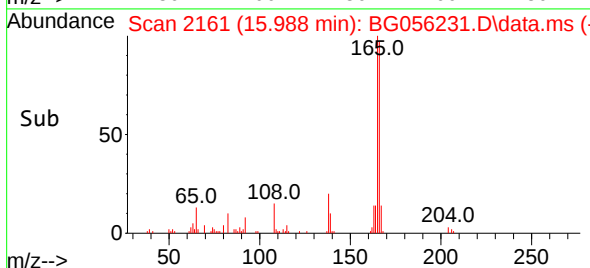
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

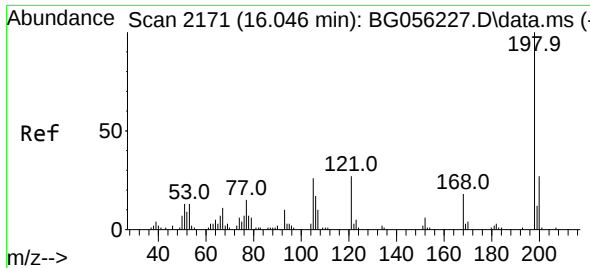


#63  
4-Nitroaniline  
Concen: 4.533 ng/ul  
RT: 15.988 min Scan# 2161  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



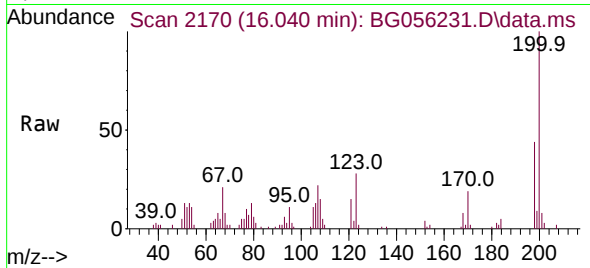
Tgt Ion:138 Resp: 8597  
Ion Ratio Lower Upper  
138 100  
92 41.7 38.8 58.2  
108 73.9 75.0 112.4





#66  
4,6-Dinitro-2-methylphenol  
Concen: 4.233 ng/ul  
RT: 16.040 min Scan# 2171  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

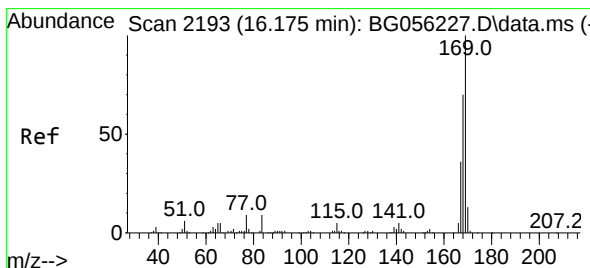
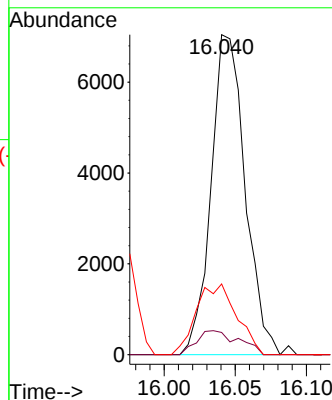
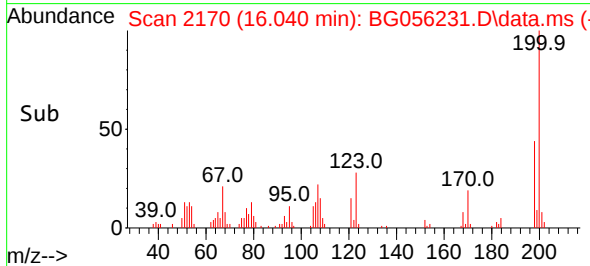
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



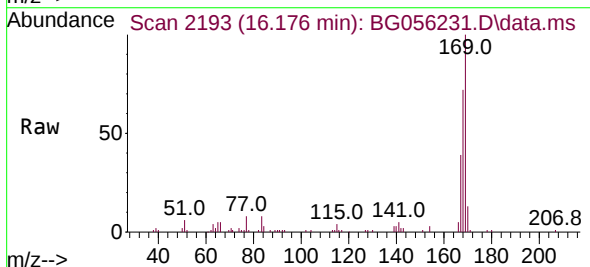
Tgt Ion:198 Resp: 1175  
Ion Ratio Lower Upper  
198 100  
182 6.9 2.2 3.4  
77 22.1 11.4 17.2

Manual Integrations  
APPROVED

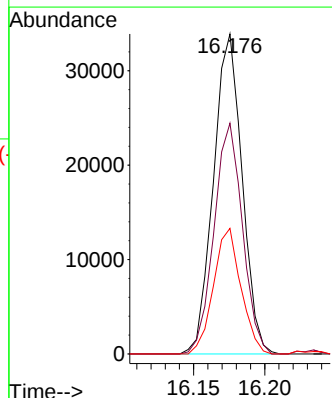
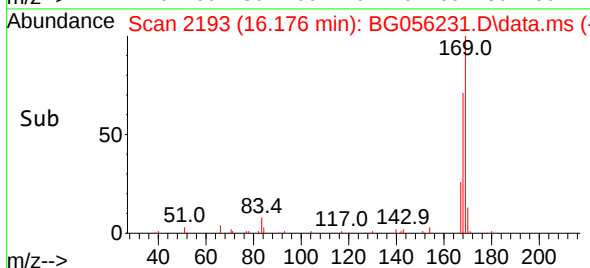
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

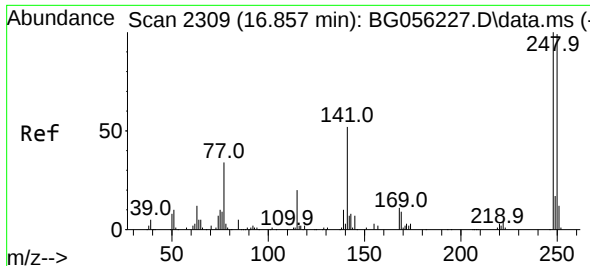


#67  
N-Nitrosodiphenylamine  
Concen: 4.302 ng/ul  
RT: 16.176 min Scan# 2193  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



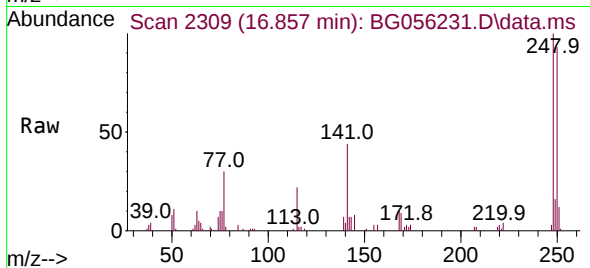
Tgt Ion:169 Resp: 47525  
Ion Ratio Lower Upper  
169 100  
168 72.1 56.1 84.1  
167 39.2 30.3 45.5





#68  
4-Bromophenyl-phenylether  
Concen: 4.127 ng/ul  
RT: 16.857 min Scan# 2309  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

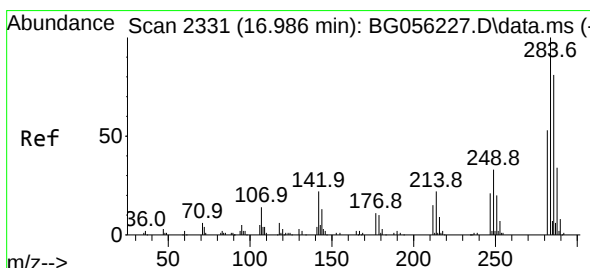
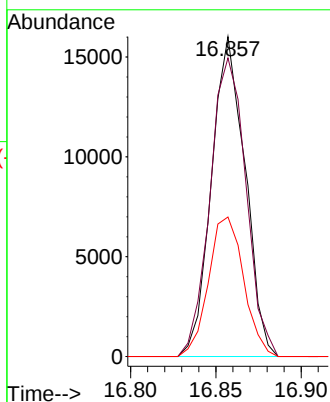
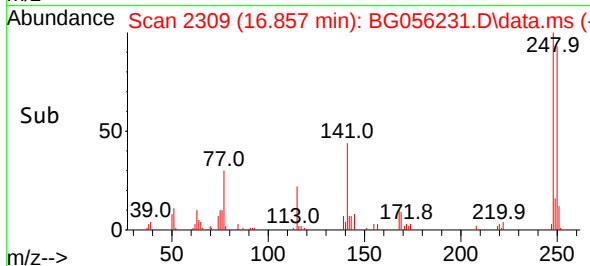
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



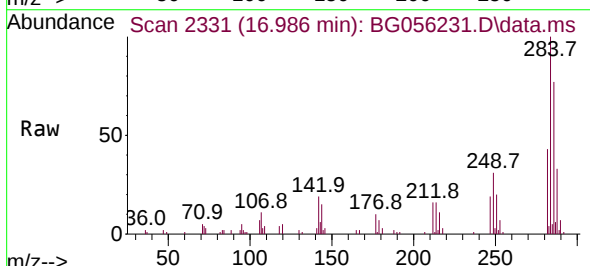
Tgt Ion:248 Resp: 21914  
Ion Ratio Lower Upper  
248 100  
250 93.3 74.8 112.2  
141 43.6 37.0 55.4

Manual Integrations  
APPROVED

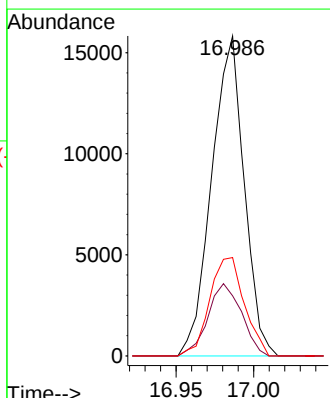
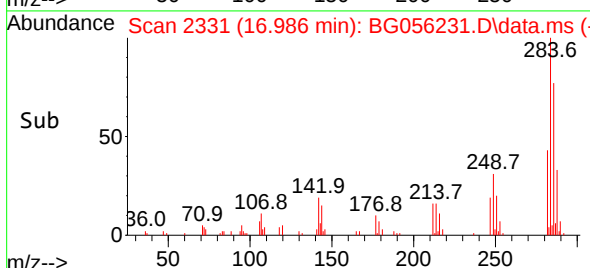
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

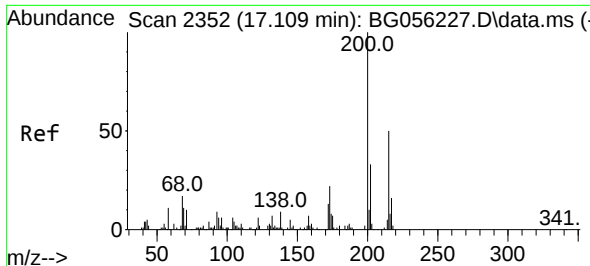


#69  
Hexachlorobenzene  
Concen: 4.391 ng/ul  
RT: 16.986 min Scan# 2331  
Delta R.T. 0.004 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



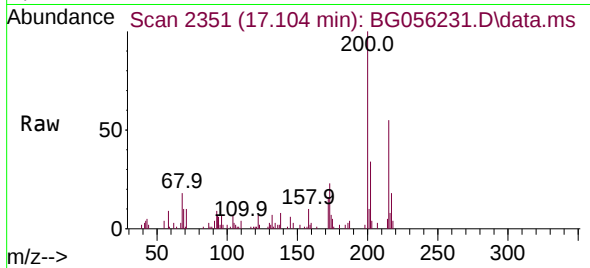
Tgt Ion:284 Resp: 23087  
Ion Ratio Lower Upper  
284 100  
142 17.8 18.9 28.3#  
249 32.5 26.8 40.2





#70  
Atrazine  
Concen: 4.281 ng/ul  
RT: 17.104 min Scan# 2351  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

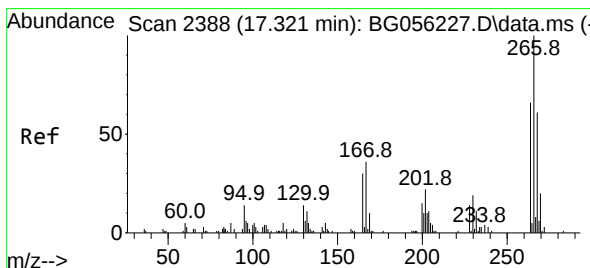
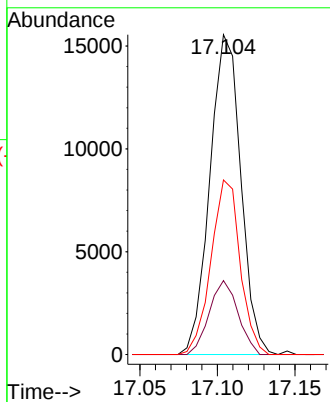
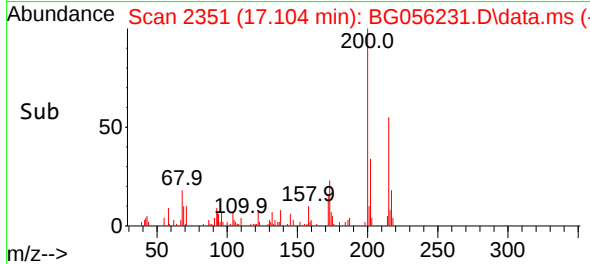
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



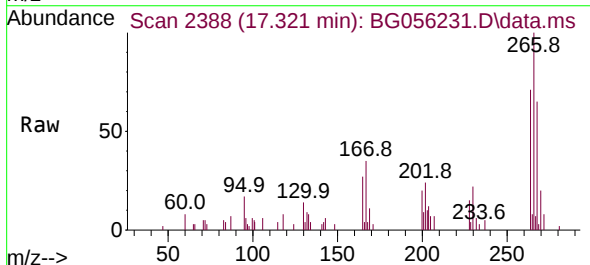
Tgt Ion:200 Resp: 21558  
Ion Ratio Lower Upper  
200 100  
173 23.1 18.0 27.0  
215 54.6 40.8 61.2

Manual Integrations  
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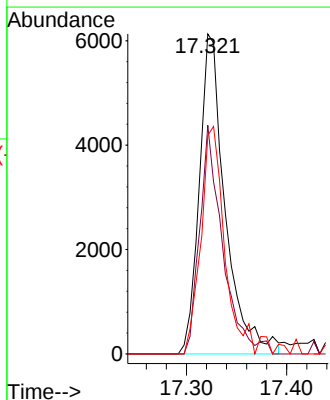
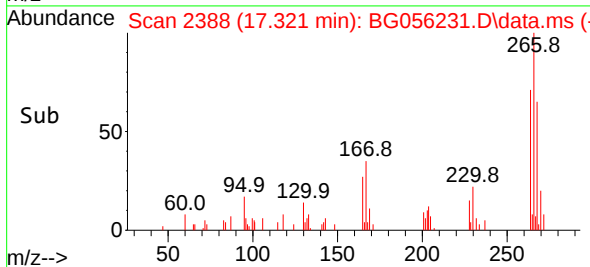
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

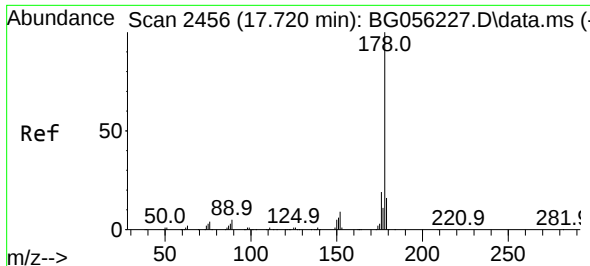


#71  
Pentachlorophenol  
Concen: 3.283 ng/ul m  
RT: 17.321 min Scan# 2388  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



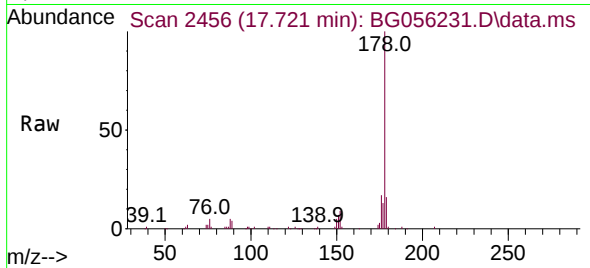
Tgt Ion:266 Resp: 11008  
Ion Ratio Lower Upper  
266 100  
264 71.4 47.7 71.5  
268 65.4 54.3 81.5





#72  
Phenanthrene  
Concen: 4.358 ng/ul  
RT: 17.721 min Scan# 2456  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

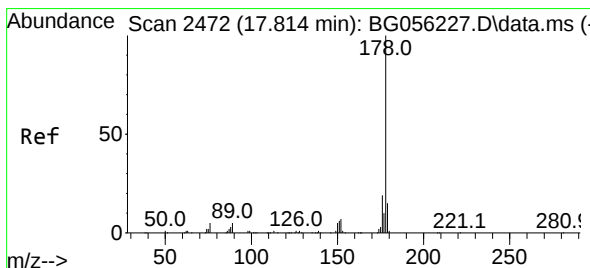
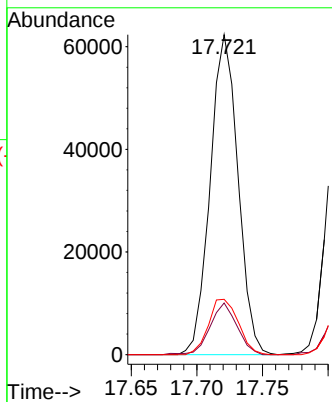
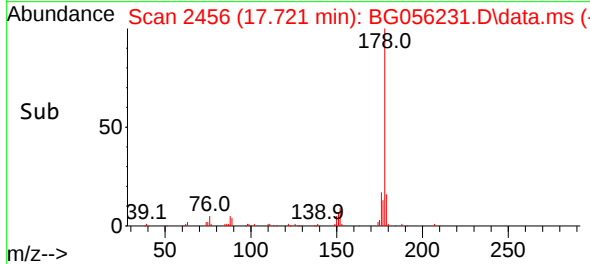
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



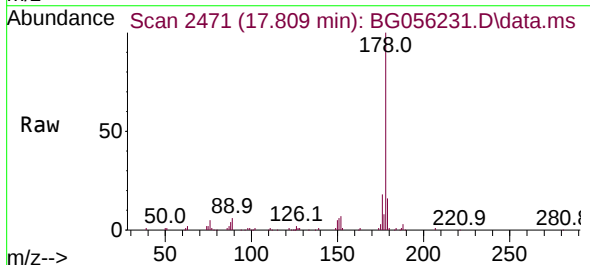
Tgt Ion:178 Resp: 91974  
Ion Ratio Lower Upper  
178 100  
179 16.1 12.4 18.6  
176 17.3 15.0 22.6

Manual Integrations  
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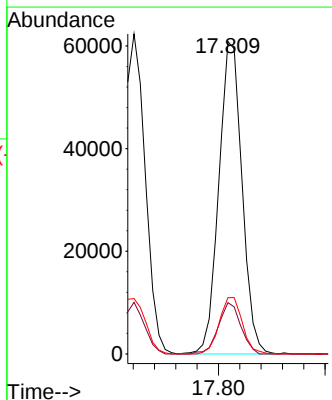
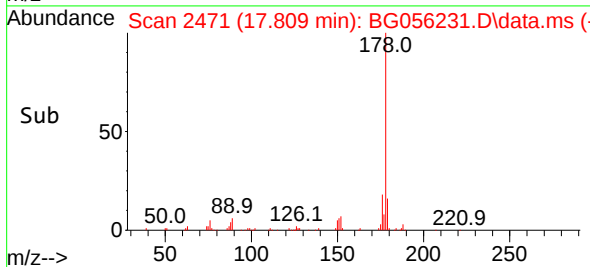
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

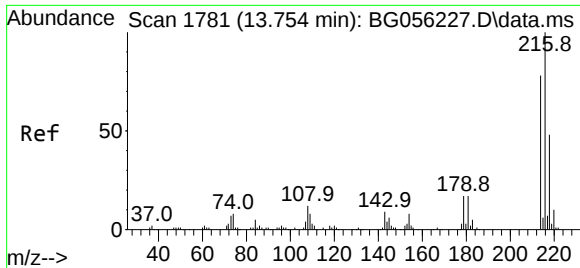


#74  
Anthracene  
Concen: 4.299 ng/ul  
RT: 17.809 min Scan# 2471  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



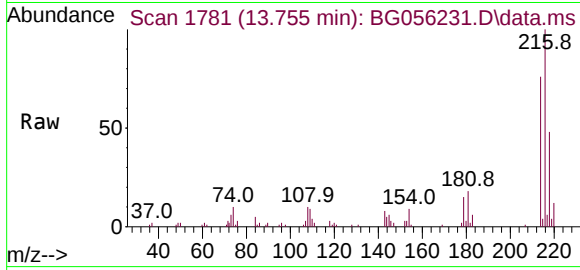
Tgt Ion:178 Resp: 92120  
Ion Ratio Lower Upper  
178 100  
179 16.4 13.0 19.6  
176 18.0 14.2 21.4





#75  
1,2,3,4-Tetrachlorobenzene  
Concen: 4.252 ng/uL  
RT: 13.755 min Scan# 11  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

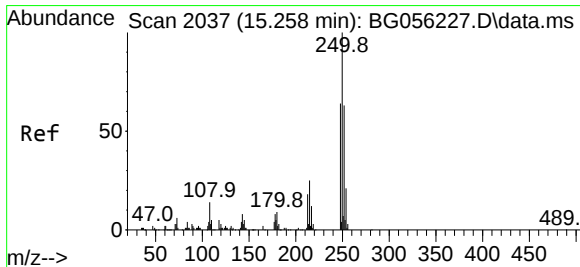
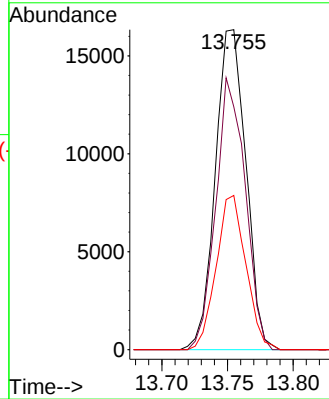
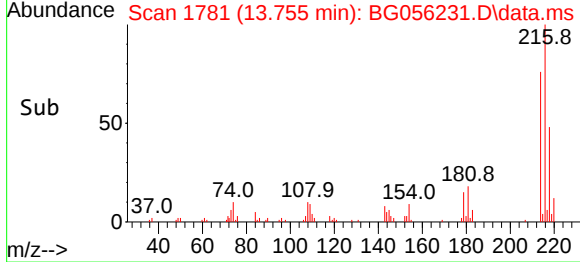
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



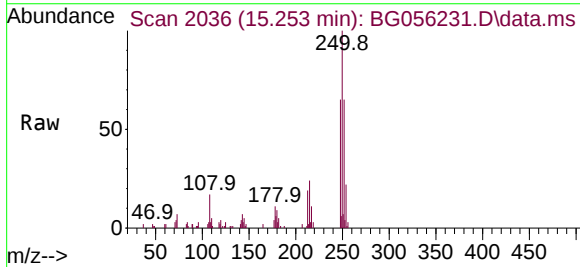
Tgt Ion:216 Resp: 26526  
Ion Ratio Lower Upper  
216 100  
214 80.3 62.4 93.6  
218 48.2 39.4 59.0

Manual Integrations  
APPROVED

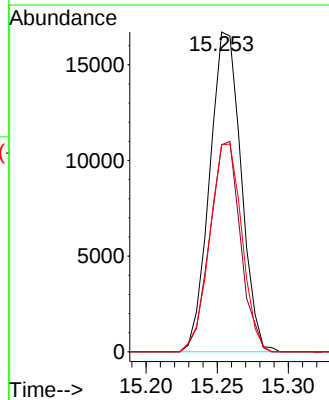
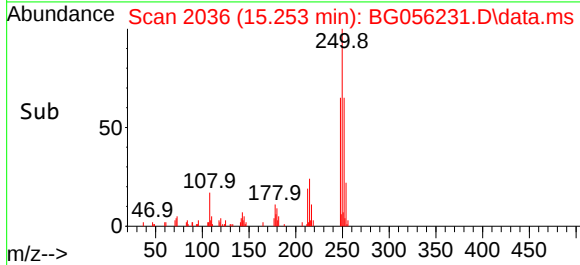
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

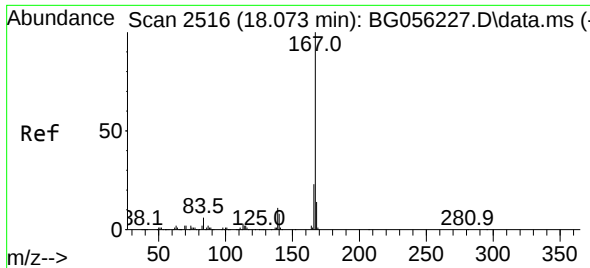


#76  
Pentachlorobenzene  
Concen: 4.029 ng/uL  
RT: 15.253 min Scan# 2036  
Delta R.T. -0.008 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



Tgt Ion:250 Resp: 25722  
Ion Ratio Lower Upper  
250 100  
248 70.3 51.6 77.4  
252 68.6 55.2 82.8





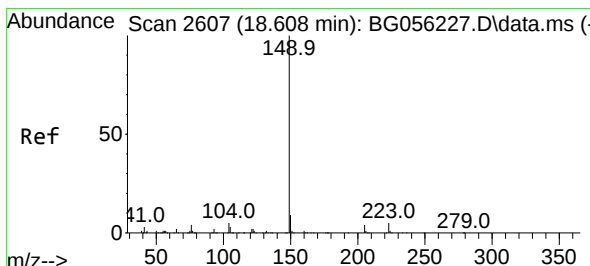
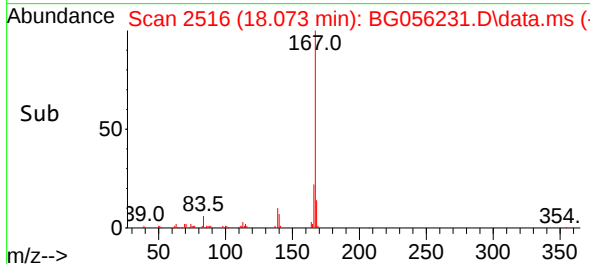
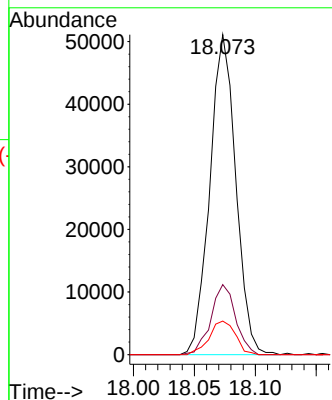
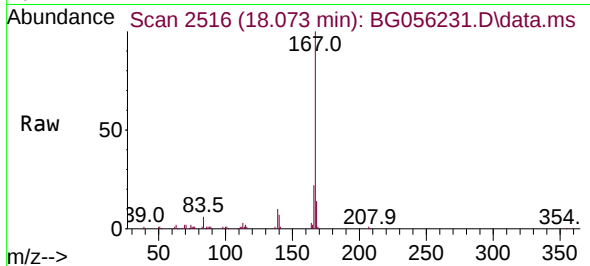
#77  
 Carbazole  
 Concen: 4.312 ng/ul  
 RT: 18.073 min Scan# 2516  
 Delta R.T. -0.002 min  
 Lab File: BG056231.D  
 Acq: 9 Jan 2023 12:25

Instrument :  
 BNA\_G  
 ClientSampleId :  
 MDL-SOIL-QT3-2022-05

Tgt Ion:167 Resp: 75844  
 Ion Ratio Lower Upper  
 167 100  
 166 21.9 17.4 26.0  
 139 10.5 8.6 12.8

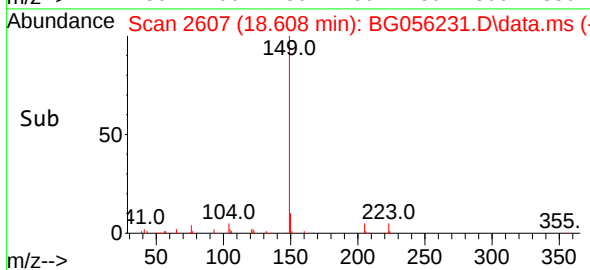
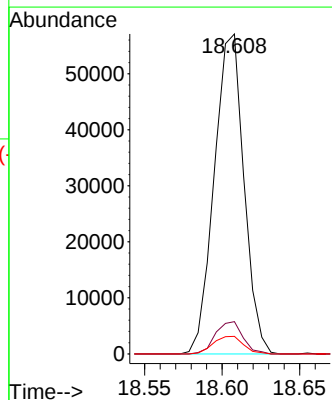
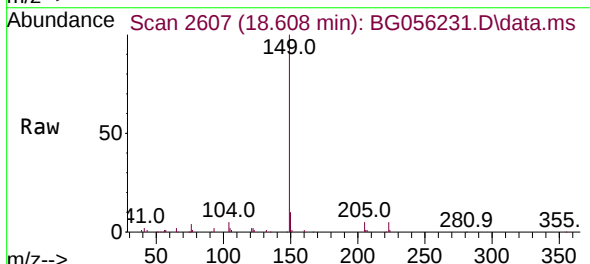
Manual Integrations  
 APPROVED

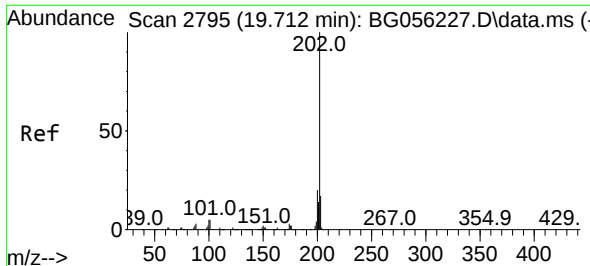
Reviewed By :Jagrut Upadhyay 01/10/2023  
 Supervised By :mohammad ahmed 01/12/2023



#78  
 Di-n-butylphthalate  
 Concen: 4.114 ng/ul  
 RT: 18.608 min Scan# 2607  
 Delta R.T. 0.004 min  
 Lab File: BG056231.D  
 Acq: 9 Jan 2023 12:25

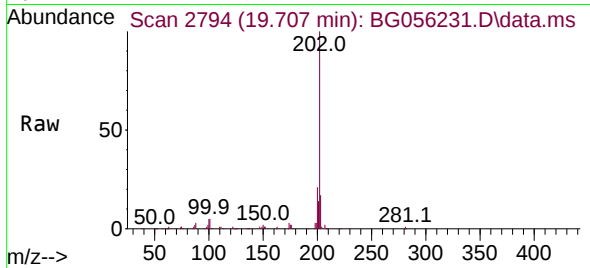
Tgt Ion:149 Resp: 76361  
 Ion Ratio Lower Upper  
 149 100  
 150 10.1 7.1 10.7  
 104 5.5 4.2 6.4





#80  
Fluoranthene  
Concen: 4.220 ng/ul  
RT: 19.707 min Scan# 21  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

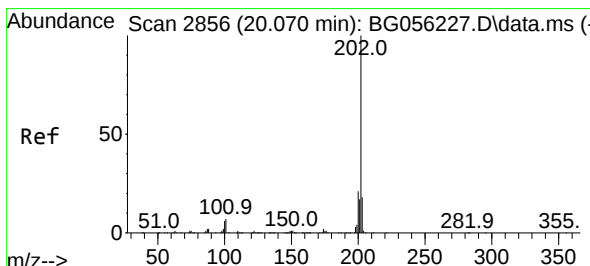
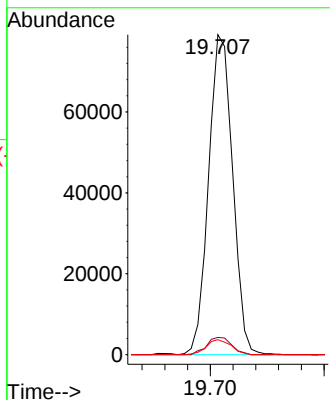
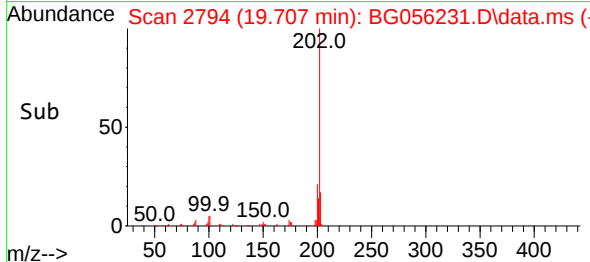
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion:202 Resp: 116375  
Ion Ratio Lower Upper  
202 100  
101 5.4 4.4 6.6  
100 4.7 3.8 5.6

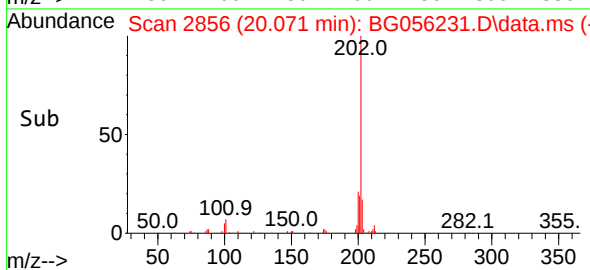
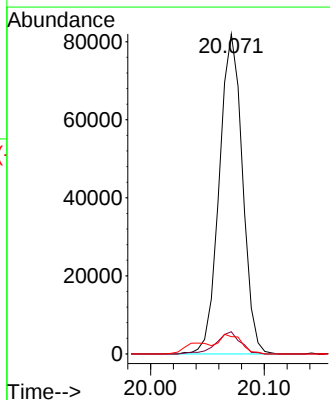
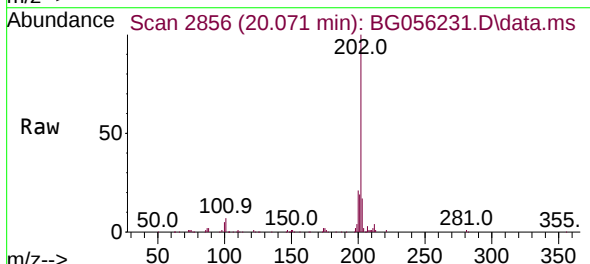
Manual Integrations  
APPROVED

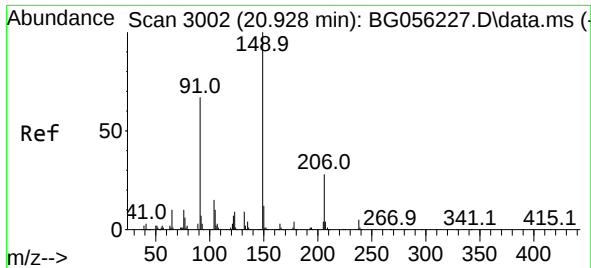
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#82  
Pyrene  
Concen: 4.215 ng/ul  
RT: 20.071 min Scan# 2856  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

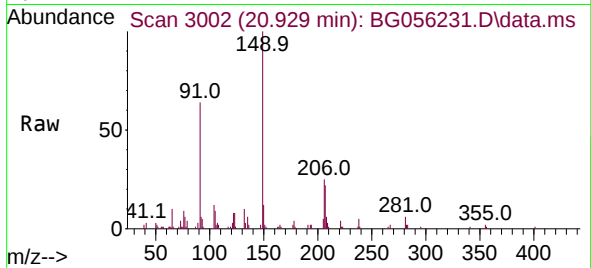
Tgt Ion:202 Resp: 116226  
Ion Ratio Lower Upper  
202 100  
101 6.9 5.2 7.8  
100 5.4 4.2 6.2





#83  
Butylbenzylphthalate  
Concen: 3.909 ng/ul  
RT: 20.929 min Scan# 3002  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

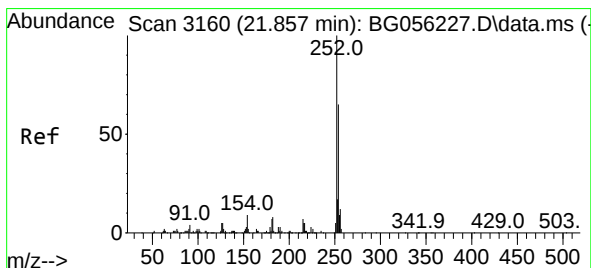
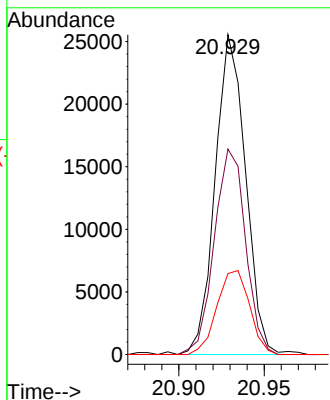
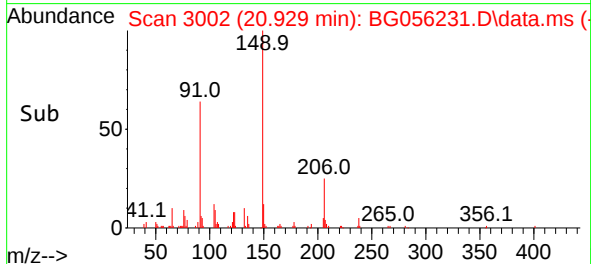
Instrument : BNA\_G  
ClientSampleId : MDL-SOIL-QT3-2022-05



Tgt Ion:149 Resp: 31617  
Ion Ratio Lower Upper  
149 100  
91 64.2 50.0 75.0  
206 25.3 23.2 34.8

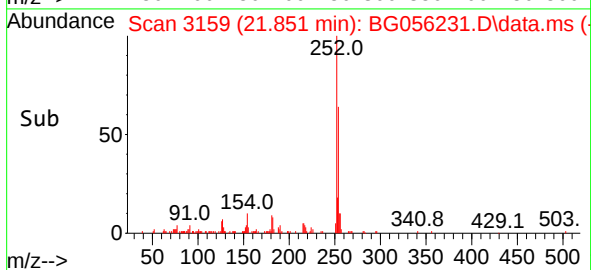
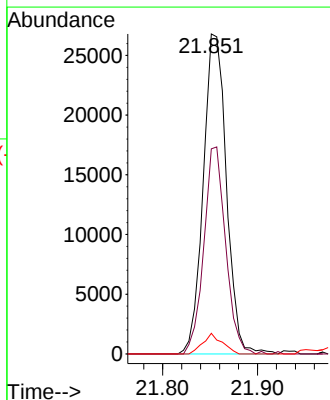
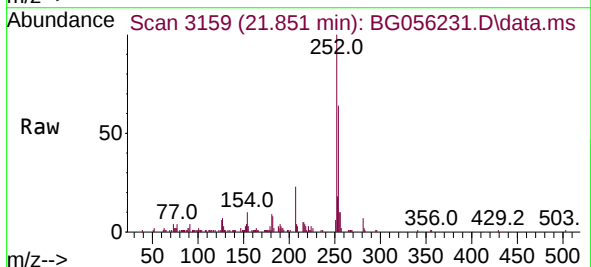
Manual Integrations  
APPROVED

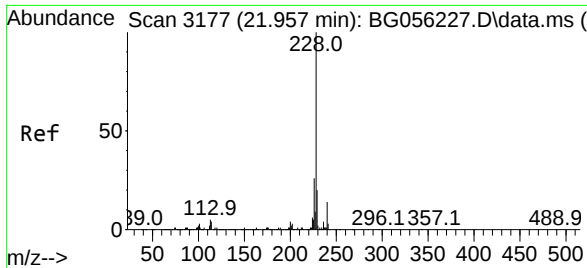
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#84  
3,3'-Dichlorobenzidine  
Concen: 4.838 ng/ul  
RT: 21.851 min Scan# 3159  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

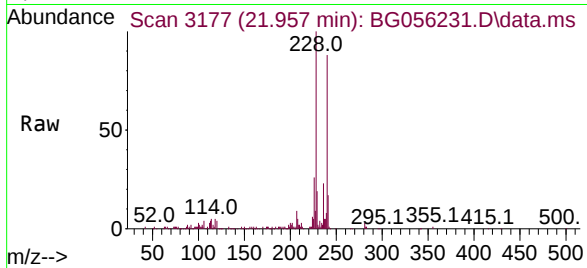
Tgt Ion:252 Resp: 45587  
Ion Ratio Lower Upper  
252 100  
254 64.1 51.1 76.7  
126 6.4 3.8 5.6





#85  
Benzo(a)anthracene  
Concen: 4.303 ng/ul  
RT: 21.957 min Scan# 3177  
Delta R.T. 0.004 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

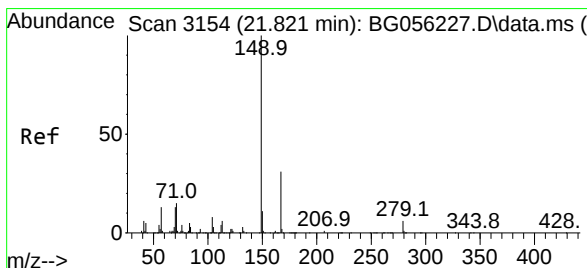
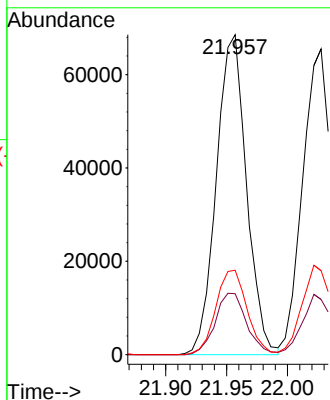
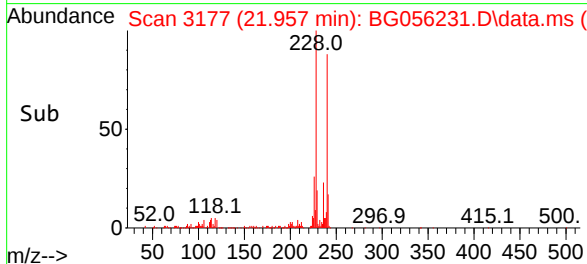
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



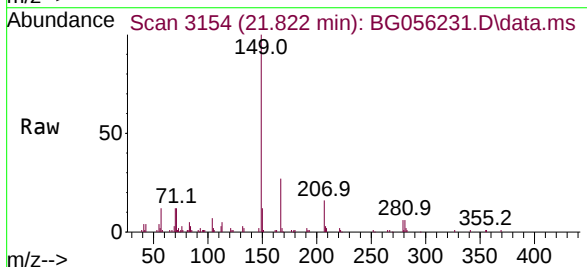
Tgt Ion:228 Resp: 118246  
Ion Ratio Lower Upper  
228 100  
229 19.0 15.9 23.9  
226 26.4 22.2 33.2

Manual Integrations  
APPROVED

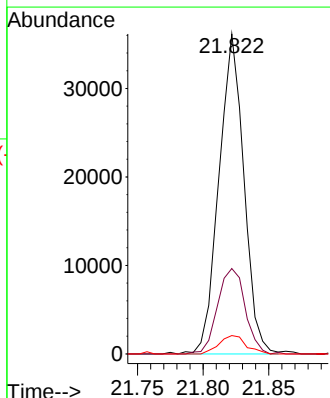
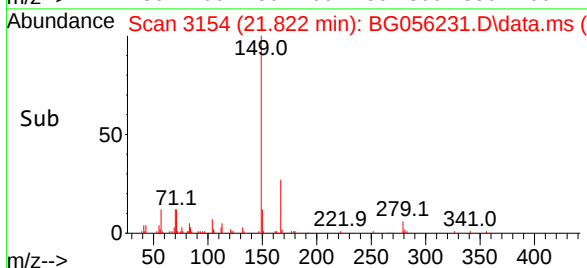
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023

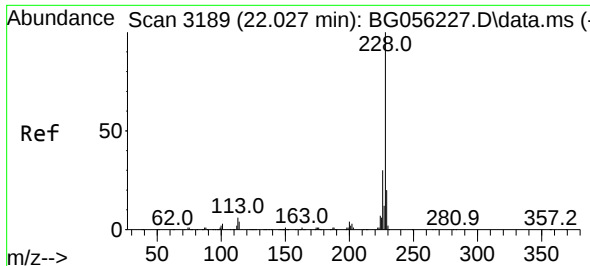


#86  
Bis(2-ethylhexyl)phthalate  
Concen: 4.085 ng/ul  
RT: 21.822 min Scan# 3154  
Delta R.T. -0.002 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25



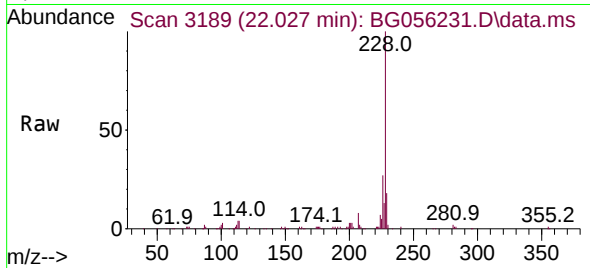
Tgt Ion:149 Resp: 47778  
Ion Ratio Lower Upper  
149 100  
167 26.7 23.7 35.5  
279 5.7 4.9 7.3





#87  
Chrysene  
Concen: 4.357 ng/ul  
RT: 22.027 min Scan# 3189  
Delta R.T. 0.004 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

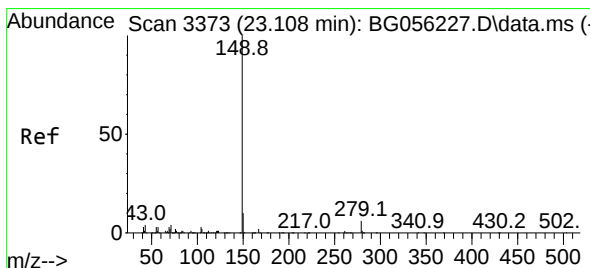
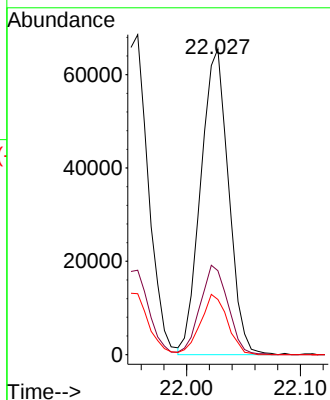
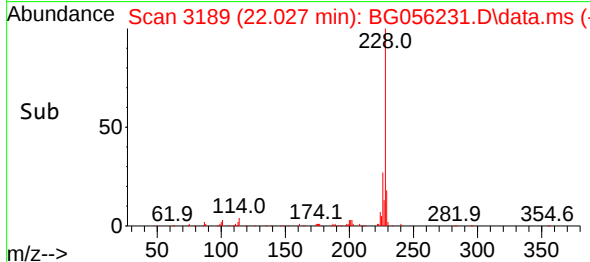
Instrument :  
BNA\_G  
ClientSampleId :  
MDL-SOIL-QT3-2022-05



Tgt Ion:228 Resp: 111346  
Ion Ratio Lower Upper  
228 100  
226 27.5 24.5 36.7  
229 18.0 15.8 23.8

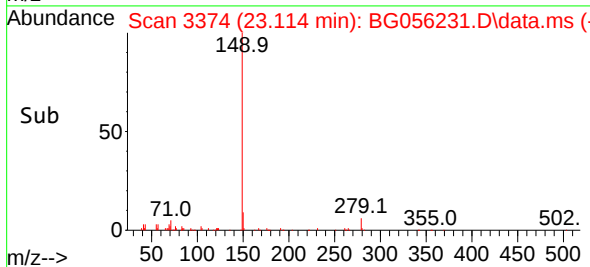
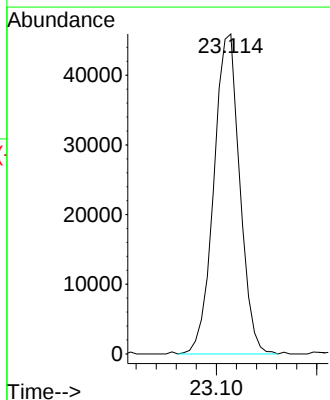
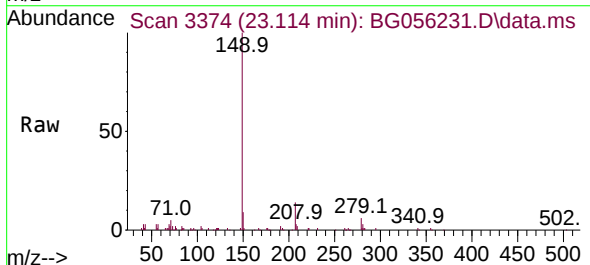
Manual Integrations  
APPROVED

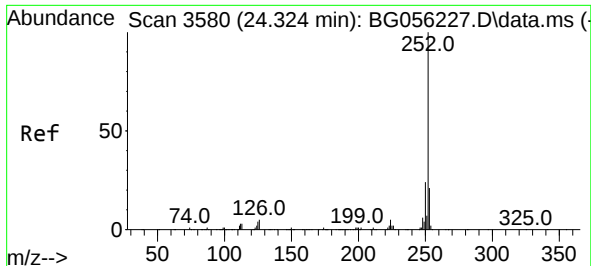
Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#89  
Di-n-octyl phthalate  
Concen: 4.266 ng/ul  
RT: 23.114 min Scan# 3374  
Delta R.T. 0.004 min  
Lab File: BG056231.D  
Acq: 9 Jan 2023 12:25

Tgt Ion:149 Resp: 82397





#90

Benzo(b)fluoranthene

Concen: 4.318 ng/ul

RT: 24.325 min Scan# 3580

Delta R.T. -0.002 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-QT3-2022-05

Tgt Ion:252 Resp: 121276

Ion Ratio Lower Upper

252 100

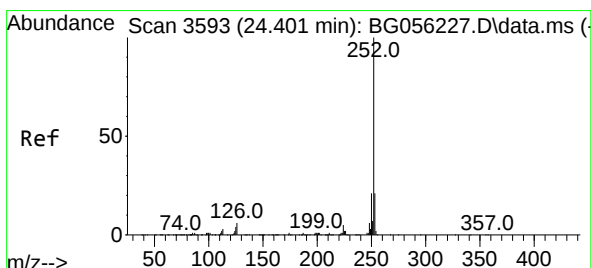
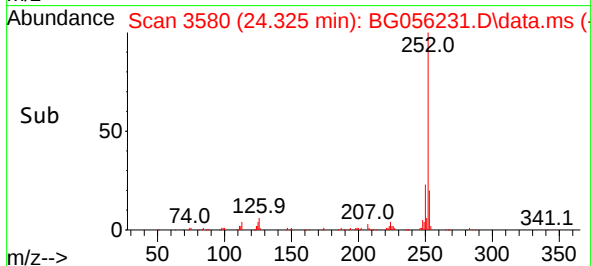
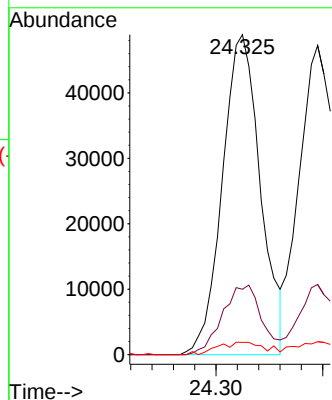
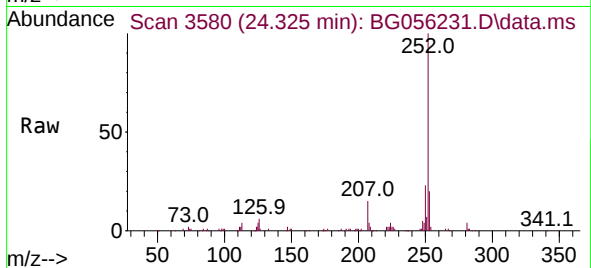
253 20.4 17.4 26.2

125 3.8 3.0 4.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#91

Benzo(k)fluoranthene

Concen: 4.339 ng/ul

RT: 24.395 min Scan# 3592

Delta R.T. -0.008 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

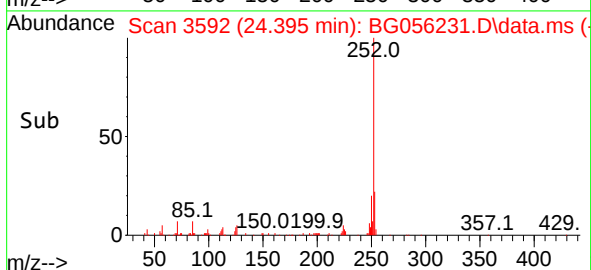
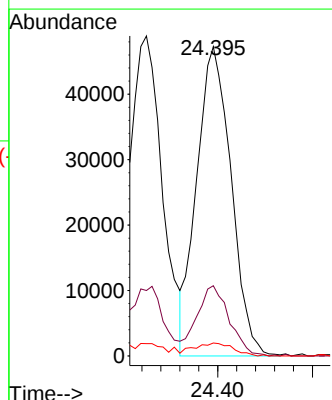
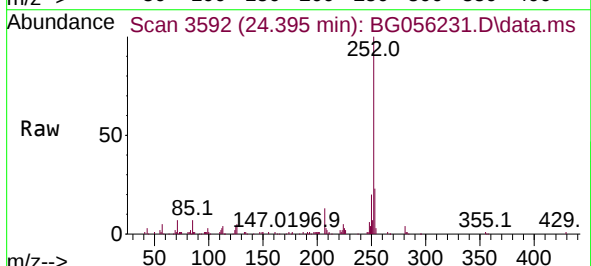
Tgt Ion:252 Resp: 119229

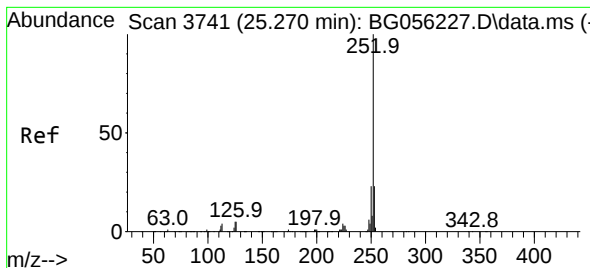
Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

125 4.2 3.1 4.7





#93

Benzo(a)pyrene

Concen: 4.348 ng/ul

RT: 25.271 min Scan# 3741

Delta R.T. -0.002 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Instrument :

BNA\_G

ClientSampleId :

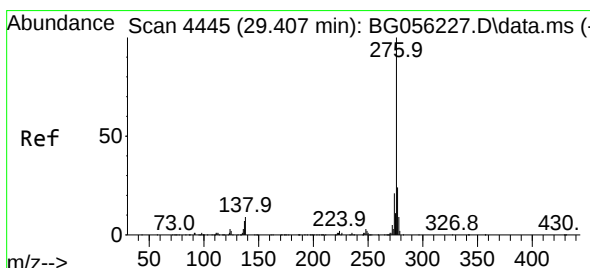
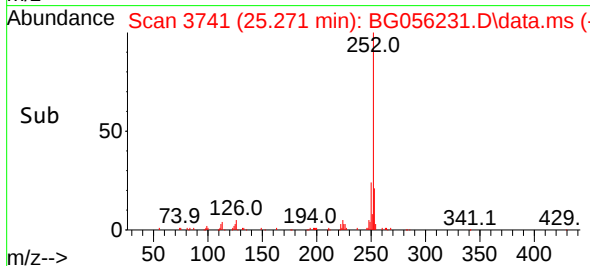
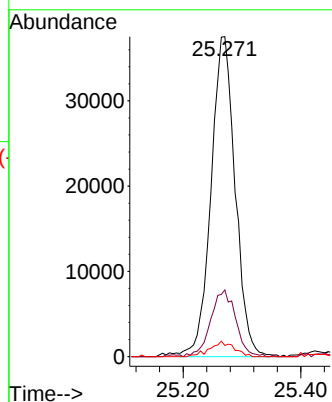
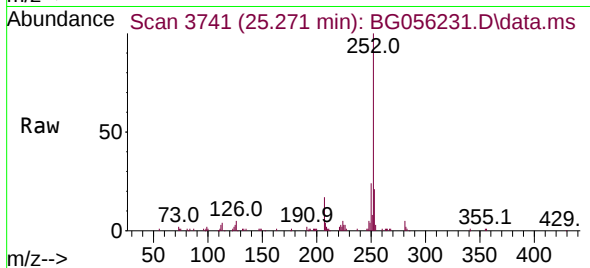
MDL-SOIL-QT3-2022-05

Tgt Ion:252 Resp: 106904

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 252 | 100   |       |       |
| 253 | 20.9  | 17.3  | 25.9  |
| 125 | 3.5   | 3.2   | 4.8   |

Manual Integrations  
APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.242 ng/ul

RT: 29.395 min Scan# 4443

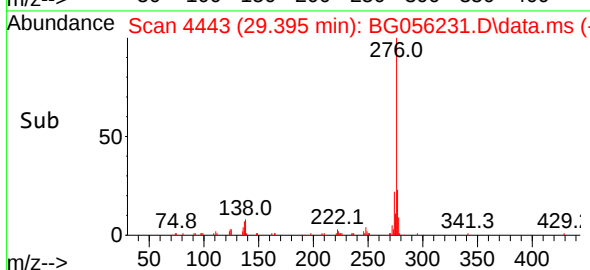
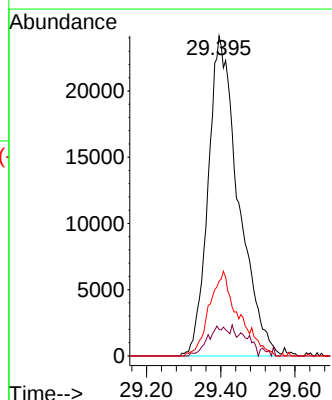
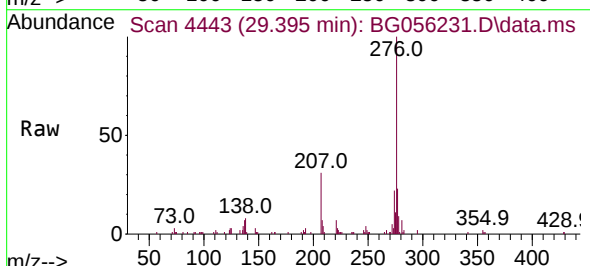
Delta R.T. -0.014 min

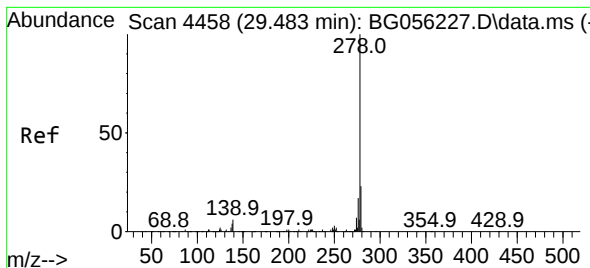
Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Tgt Ion:276 Resp: 137208

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 276 | 100   |       |       |
| 138 | 8.3   | 6.2   | 9.2   |
| 277 | 23.3  | 19.8  | 29.6  |





#95

Dibenzo(a,h)anthracene

Concen: 4.245 ng/ul m

RT: 29.460 min Scan# 4454

Delta R.T. -0.014 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Instrument :

BNA\_G

ClientSampleId :

MDL-SOIL-QT3-2022-05

Tgt Ion:278 Resp: 11475

Ion Ratio Lower Upper

278 100

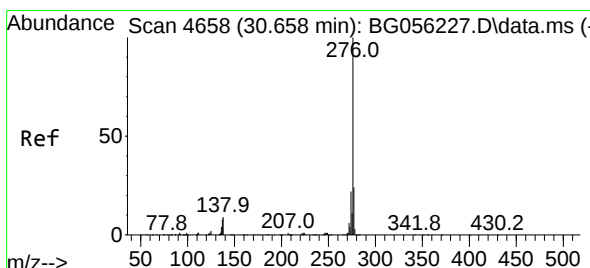
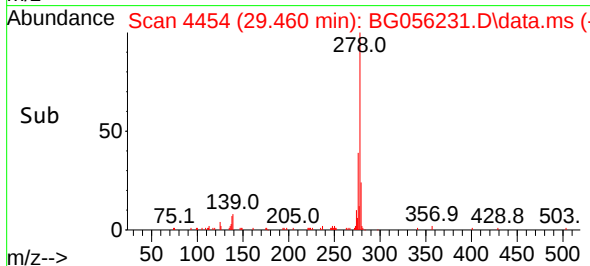
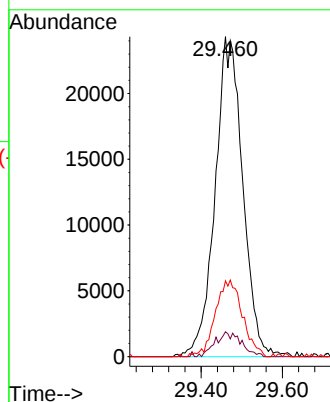
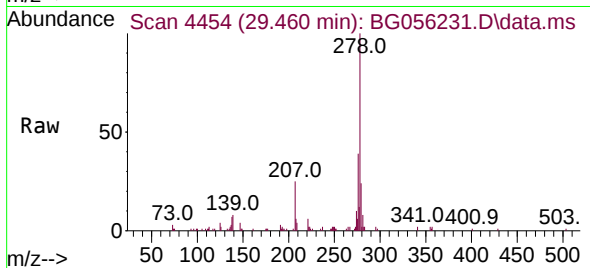
139 7.8 5.0 7.4

279 23.7 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/10/2023  
Supervised By :mohammad ahmed 01/12/2023



#96

Benzo(g,h,i)perylene

Concen: 4.134 ng/ul

RT: 30.653 min Scan# 4657

Delta R.T. -0.014 min

Lab File: BG056231.D

Acq: 9 Jan 2023 12:25

Tgt Ion:276 Resp: 108109

Ion Ratio Lower Upper

276 100

138 11.6 5.8 8.8

277 24.6 19.1 28.7

