

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011823\  
 Data File : BM038482.D  
 Acq On : 18 Jan 2023 16:25  
 Operator : CG/JU  
 Sample : N3980-01  
 Misc : LOD-MDL- SOIL 4ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 01/19/2023  
 Supervised By : Jagrut Upadhyay 01/19/2023

Quant Time: Jan 19 06:14:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM011623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 19 06:09:42 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 54505    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.786 | 136  | 194318   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.610 | 164  | 116321   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.351 | 188  | 248506   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.521 | 240  | 240139   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.944 | 264  | 278092   | 20.000  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 422522   | 118.248 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.139  | 99   | 531815   | 116.189 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.151  | 82   | 385919   | 80.921  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.098 | 330  | 220793   | 112.283 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.239 | 172  | 731743   | 78.452  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.962 | 244  | 1166416  | 90.929  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.381  | 88   | 7616     | 4.664   | ng    | 88       |
| 3) Pyridine                   | 3.822  | 79   | 13544m   | 2.867   | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.716  | 42   | 10117    | 3.620   | ng    | # 96     |
| 6) Aniline                    | 7.304  | 93   | 20133    | 3.482   | ng    | 99       |
| 8) 2-Chlorophenol             | 7.534  | 128  | 13762    | 3.890   | ng    | 96       |
| 9) Benzaldehyde               | 7.122  | 77   | 16064    | 5.248   | ng    | 95       |
| 10) Phenol                    | 7.163  | 94   | 17759    | 3.723   | ng    | 84       |
| 11) bis(2-Chloroethyl)ether   | 7.398  | 93   | 14098    | 3.647   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.863  | 146  | 14453    | 3.814   | ng    | 94       |
| 13) 1,4-Dichlorobenzene       | 8.010  | 146  | 14304    | 3.752   | ng    | 95       |
| 14) 1,2-Dichlorobenzene       | 8.328  | 146  | 13972    | 3.748   | ng    | 97       |
| 15) Benzyl Alcohol            | 8.228  | 79   | 12335    | 3.365   | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.510  | 45   | 22176    | 4.115   | ng    | 95       |
| 17) 2-Methylphenol            | 8.422  | 107  | 10093    | 3.133   | ng    | # 92     |
| 18) Hexachloroethane          | 9.051  | 117  | 5943     | 3.805   | ng    | 90       |
| 19) n-Nitroso-di-n-propyla... | 8.786  | 70   | 12030    | 3.621   | ng    | 95       |
| 20) 3+4-Methylphenols         | 8.751  | 107  | 12888    | 2.980   | ng    | 89       |
| 22) Acetophenone              | 8.810  | 105  | 21301    | 3.709   | ng    | # 95     |
| 24) Nitrobenzene              | 9.192  | 77   | 21130m   | 4.193   | ng    |          |
| 25) Isophorone                | 9.716  | 82   | 31902    | 3.776   | ng    | 98       |
| 26) 2-Nitrophenol             | 9.904  | 139  | 5572     | 3.150   | ng    | 92       |
| 27) 2,4-Dimethylphenol        | 9.957  | 122  | 9919     | 3.293   | ng    | 93       |
| 28) bis(2-Chloroethoxy)met... | 10.198 | 93   | 16563    | 3.486   | ng    | 96       |
| 29) 2,4-Dichlorophenol        | 10.439 | 162  | 10369    | 3.116   | ng    | 94       |
| 30) 1,2,4-Trichlorobenzene    | 10.651 | 180  | 13146    | 3.416   | ng    | 97       |
| 31) Naphthalene               | 10.833 | 128  | 36077    | 3.503   | ng    | 98       |
| 32) Benzoic acid              | 10.033 | 122  | 3822m    | 6.459   | ng    |          |
| 33) 4-Chloroaniline           | 10.963 | 127  | 13462    | 2.978   | ng    | 96       |
| 34) Hexachlorobutadiene       | 11.116 | 225  | 8945     | 3.314   | ng    | 94       |
| 35) Caprolactam               | 11.739 | 113  | 1984     | 2.109   | ng    | # 82     |
| 36) 4-Chloro-3-methylphenol   | 12.074 | 107  | 11311    | 3.117   | ng    | 89       |
| 37) 2-Methylnaphthalene       | 12.445 | 142  | 23696    | 3.147   | ng    | 95       |
| 38) 1-Methylnaphthalene       | 12.663 | 142  | 21618m   | 3.058   | ng    |          |
| 40) 1,2,4,5-Tetrachloroben... | 12.804 | 216  | 15383    | 3.533   | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.780 | 237  | 7874     | 3.181   | ng    | 99       |
| 43) 2,4,6-Trichlorophenol     | 13.051 | 196  | 8826     | 3.207   | ng    | 94       |

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 Sample : N3980-01  
 Misc : LOD-MDL- SOIL 4ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 19 06:14:58 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM011623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Thu Jan 19 06:09:42 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Christian Giraldo 01/19/2023  
 Supervised By :Jagrut Upadhyay 01/19/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.127 | 196  | 9597     | 2.958 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 13.445 | 154  | 33155    | 3.674 | ng    | 95       |
| 47) 2-Chloronaphthalene       | 13.492 | 162  | 25590    | 3.603 | ng    | 97       |
| 48) 2-Nitroaniline            | 13.704 | 65   | 7850     | 4.896 | ng    | 85       |
| 49) Acenaphthylene            | 14.333 | 152  | 35916    | 3.207 | ng    | 98       |
| 50) Dimethylphthalate         | 14.068 | 163  | 29884    | 3.170 | ng    | # 96     |
| 51) 2,6-Dinitrotoluene        | 14.192 | 165  | 5332     | 2.780 | ng    | # 76     |
| 52) Acenaphthene              | 14.674 | 154  | 22853    | 3.358 | ng    | 95       |
| 53) 3-Nitroaniline            | 14.527 | 138  | 4347     | 4.596 | ng    | 99       |
| 54) 2,4-Dinitrophenol         | 14.739 | 184  | 2628     | 7.023 | ng    | # 75     |
| 55) Dibenzofuran              | 15.004 | 168  | 38264    | 3.302 | ng    | 98       |
| 56) 4-Nitrophenol             | 14.839 | 139  | 3108     | 5.648 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.980 | 165  | 6713     | 2.518 | ng    | # 80     |
| 58) Fluorene                  | 15.651 | 166  | 29216    | 3.018 | ng    | 98       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.233 | 232  | 8027     | 2.790 | ng    | # 95     |
| 60) Diethylphthalate          | 15.421 | 149  | 30054    | 3.108 | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.645 | 204  | 15740    | 2.962 | ng    | 92       |
| 62) 4-Nitroaniline            | 15.686 | 138  | 4030     | 4.615 | ng    | 91       |
| 63) Azobenzene                | 15.939 | 77   | 35341    | 3.321 | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 198  | 3816     | 2.263 | ng    | 94       |
| 66) n-Nitrosodiphenylamine    | 15.862 | 169  | 23350    | 3.202 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.539 | 248  | 8915     | 3.101 | ng    | 95       |
| 68) Hexachlorobenzene         | 16.657 | 284  | 11348    | 3.525 | ng    | 96       |
| 69) Atrazine                  | 16.809 | 200  | 9111     | 3.533 | ng    | 95       |
| 70) Pentachlorophenol         | 17.004 | 266  | 5437     | 2.314 | ng    | 88       |
| 71) Phenanthrene              | 17.392 | 178  | 47330    | 3.443 | ng    | 98       |
| 72) Anthracene                | 17.486 | 178  | 43907    | 3.107 | ng    | 98       |
| 73) Carbazole                 | 17.756 | 167  | 37835    | 3.062 | ng    | 98       |
| 74) Di-n-butylphthalate       | 18.309 | 149  | 45337    | 3.089 | ng    | 99       |
| 75) Fluoranthene              | 19.403 | 202  | 50463    | 2.920 | ng    | 99       |
| 77) Benzidine                 | 19.597 | 184  | 17066m   | 3.243 | ng    |          |
| 78) Pyrene                    | 19.768 | 202  | 53485    | 3.347 | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.650 | 149  | 18084    | 3.096 | ng    | 88       |
| 81) Benzo(a)anthracene        | 21.509 | 228  | 57942    | 3.355 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.444 | 252  | 19850    | 3.569 | ng    | 98       |
| 83) Chrysene                  | 21.562 | 228  | 55829    | 3.326 | ng    | 98       |
| 84) Bis(2-ethylhexyl)phtha... | 21.421 | 149  | 25405    | 3.025 | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.350 | 149  | 44864    | 3.036 | ng    | # 95     |
| 87) Indeno(1,2,3-cd)pyrene    | 26.456 | 276  | 64375    | 3.128 | ng    | 97       |
| 88) Benzo(b)fluoranthene      | 23.203 | 252  | 58365    | 3.385 | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.250 | 252  | 58131m   | 3.260 | ng    |          |
| 90) Benzo(a)pyrene            | 23.833 | 252  | 50727    | 2.998 | ng    | # 96     |
| 91) Dibenzo(a,h)anthracene    | 26.474 | 278  | 57322    | 3.319 | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 27.238 | 276  | 57054    | 3.330 | ng    | 96       |

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

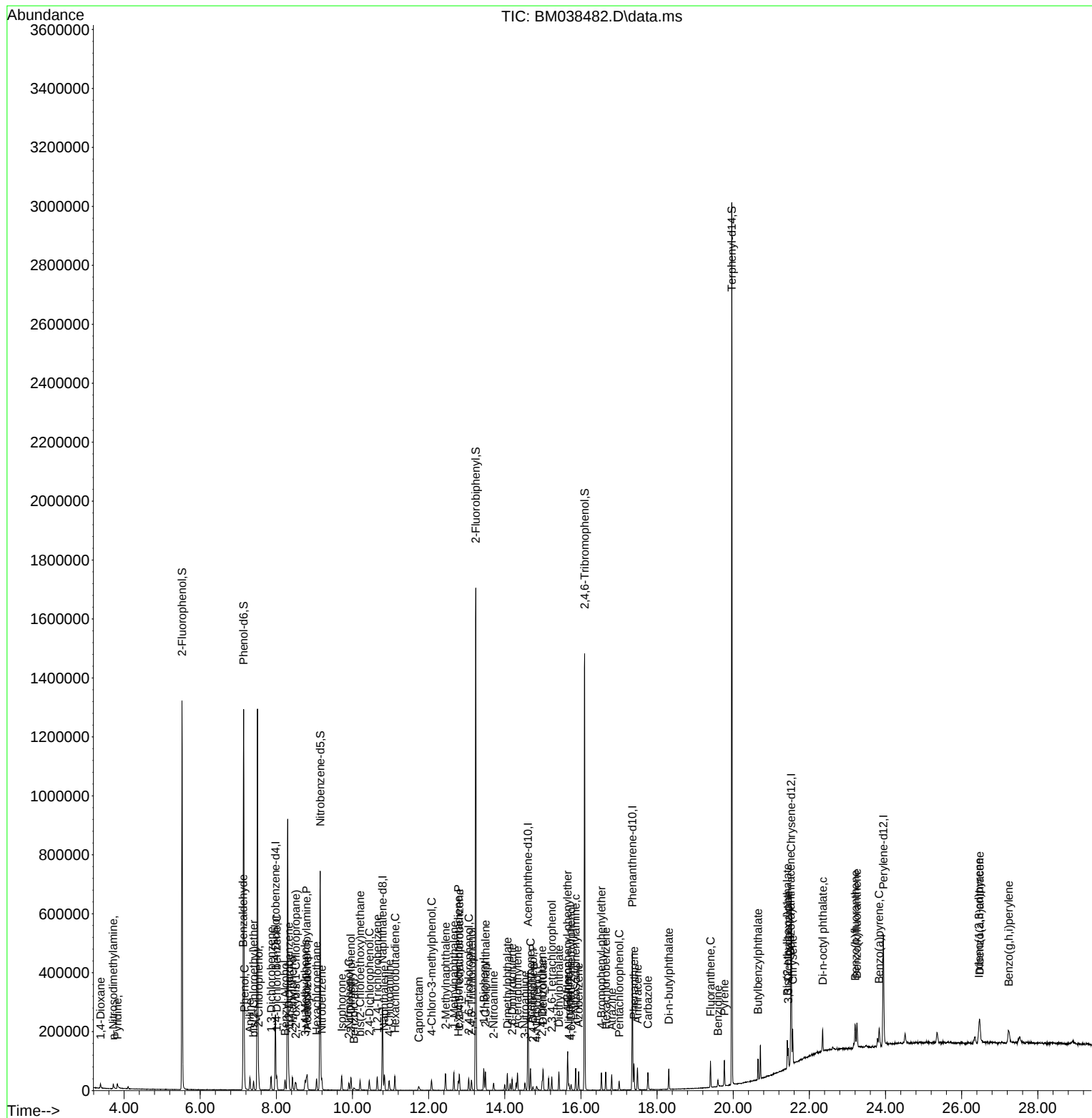
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011823\  
Data File : BM038482.D  
Acq On : 18 Jan 2023 16:25  
Operator : CG/JU  
Sample : N3980-01  
Misc : LOD-MDL- SOIL 4ppm  
ALS Vial : 8 Sample Multiplier: 1

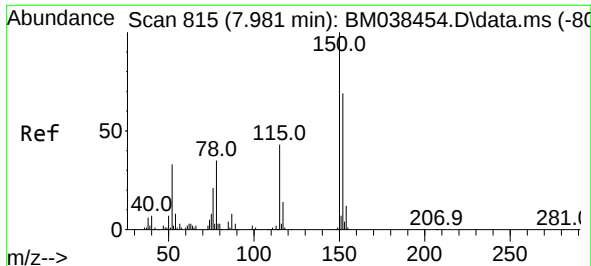
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Quant Time: Jan 19 06:14:58 2023  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM011623.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Thu Jan 19 06:09:42 2023  
Response via : Initial Calibration

Manual Integrations  
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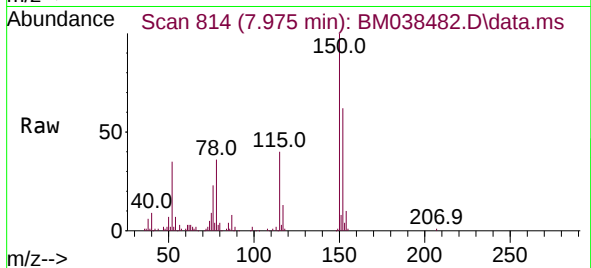
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.975 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

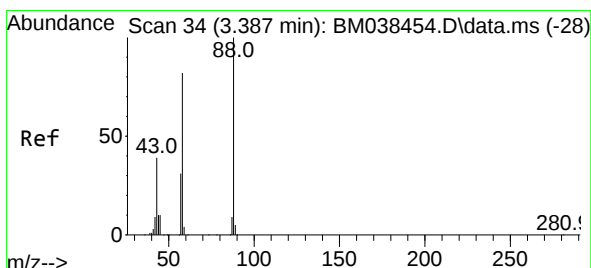
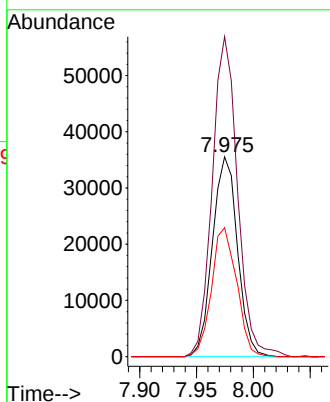
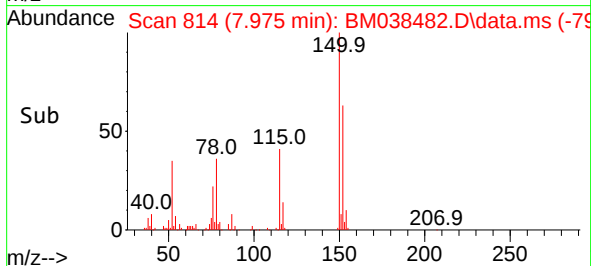
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 152 Resp: 5450  
Ion Ratio Lower Upper  
152 100  
150 160.2 116.0 174.0  
115 64.5 49.4 74.2

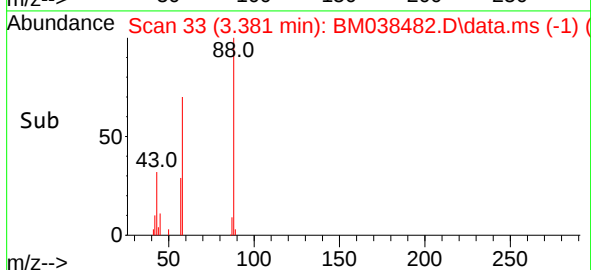
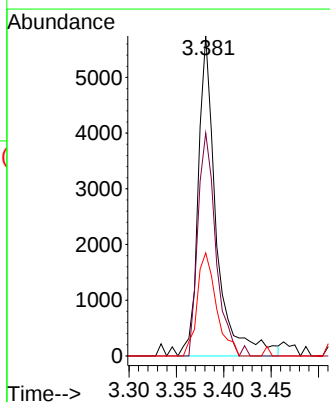
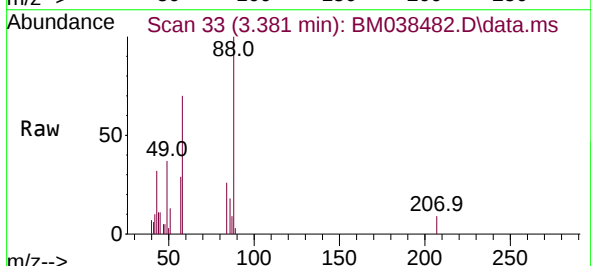
Manual Integrations  
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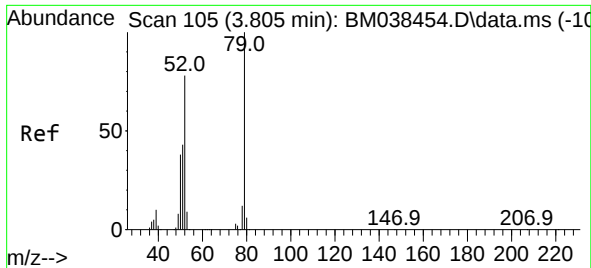
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#2  
1,4-Dioxane  
Concen: 4.664 ng  
RT: 3.381 min Scan# 33  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

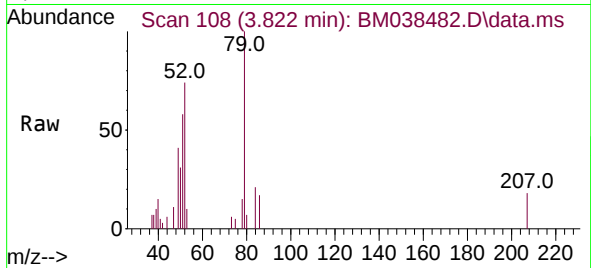
Tgt Ion: 88 Resp: 7616  
Ion Ratio Lower Upper  
88 100  
58 69.1 64.3 96.5  
43 34.2 32.3 48.5





#3  
Pyridine  
Concen: 2.867 ng m  
RT: 3.822 min Scan# 10  
Delta R.T. 0.029 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

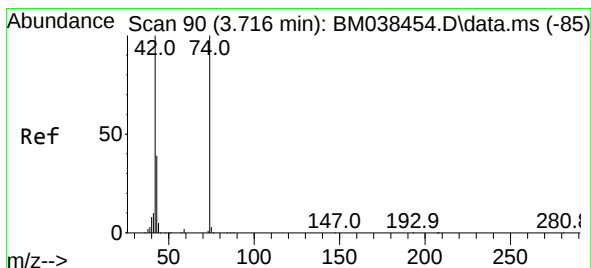
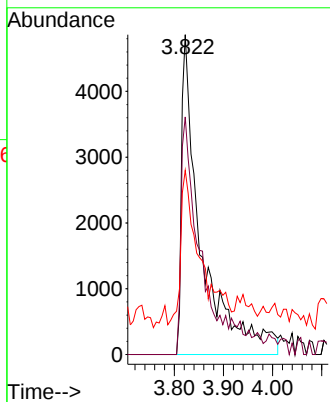
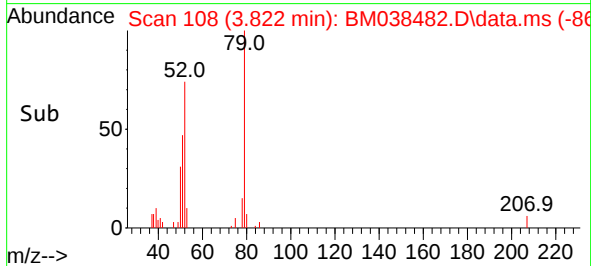
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 79 Resp: 13544  
Ion Ratio Lower Upper  
79 100  
52 74.3 62.2 93.2  
51 57.6 34.8 52.2

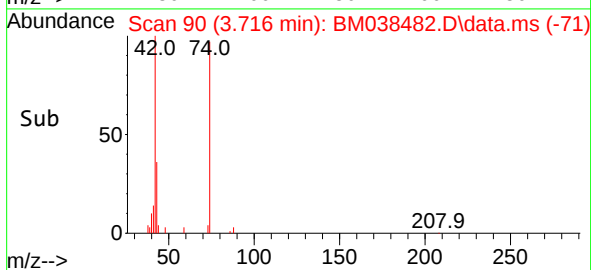
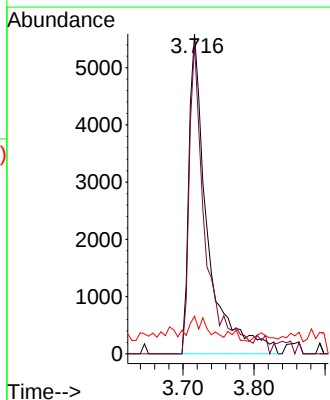
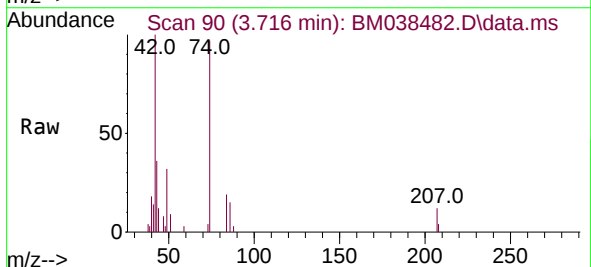
Manual Integrations  
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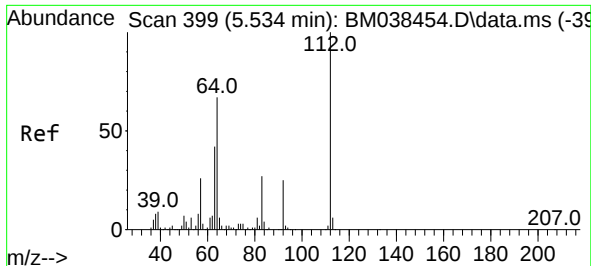
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#4  
n-Nitrosodimethylamine  
Concen: 3.620 ng  
RT: 3.716 min Scan# 90  
Delta R.T. 0.012 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion: 42 Resp: 10117  
Ion Ratio Lower Upper  
42 100  
74 96.9 79.7 119.5  
44 11.8 4.7 7.1





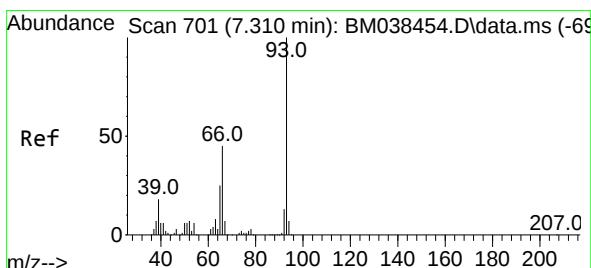
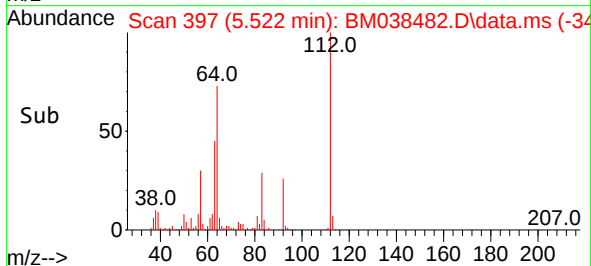
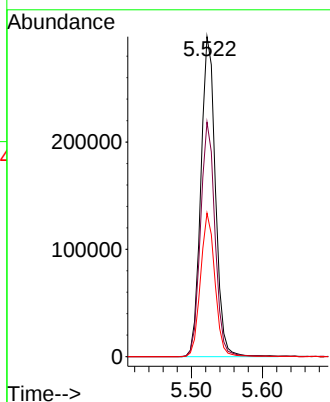
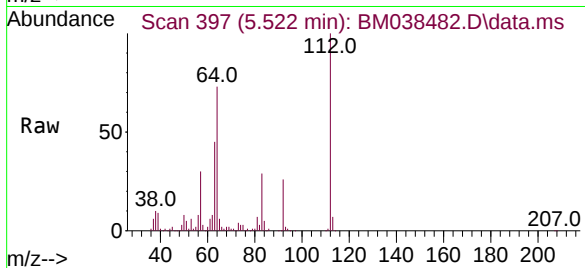
#5  
2-Fluorophenol  
Concen: 118.248 ng  
RT: 5.522 min Scan# 399  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:112 Resp: 422522  
Ion Ratio Lower Upper  
112 100  
64 73.3 53.7 80.5  
63 44.8 33.7 50.5

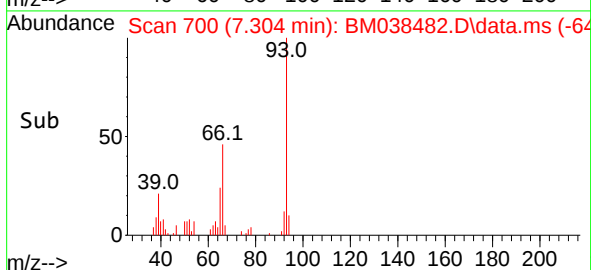
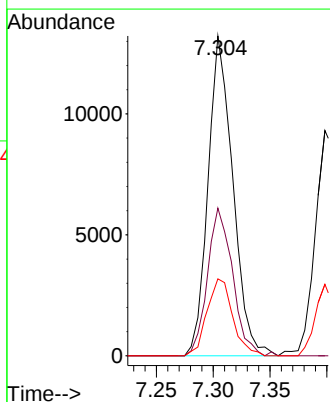
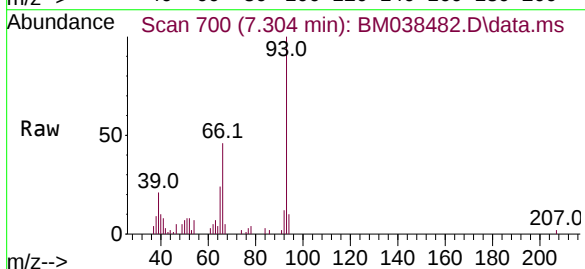
Manual Integrations  
APPROVED

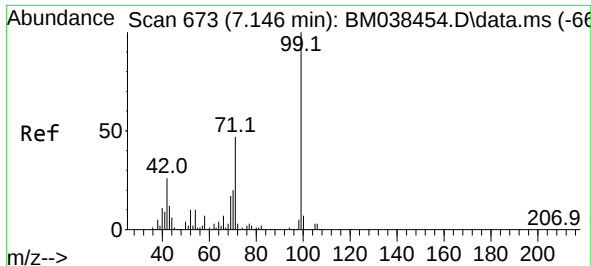
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#6  
Aniline  
Concen: 3.482 ng  
RT: 7.304 min Scan# 700  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

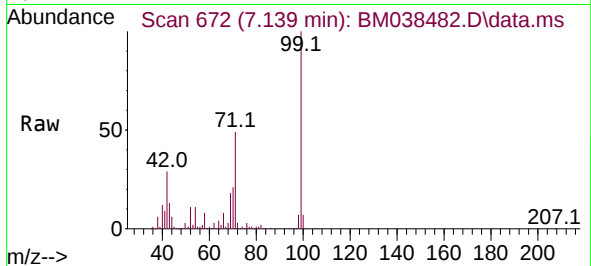
Tgt Ion: 93 Resp: 20133  
Ion Ratio Lower Upper  
93 100  
66 46.2 36.2 54.2  
65 24.1 19.8 29.8





#7  
Phenol-d6  
Concen: 116.189 ng  
RT: 7.139 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

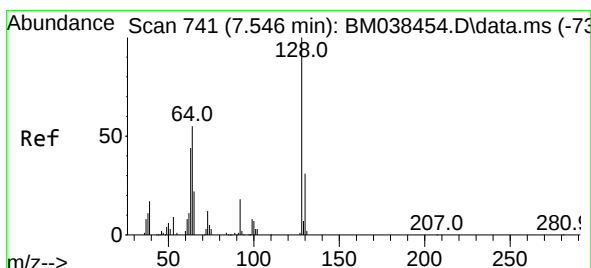
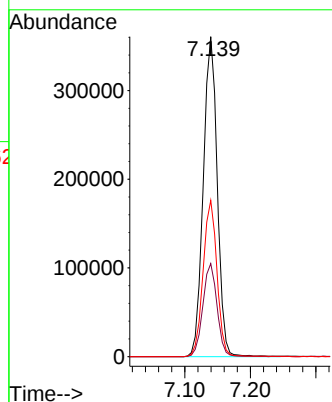
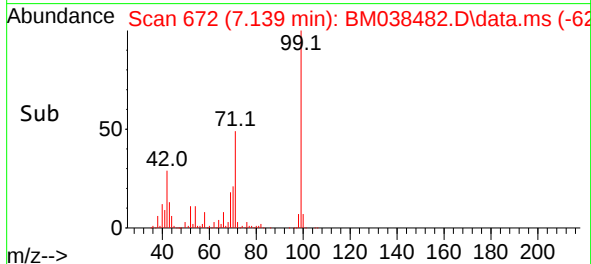
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



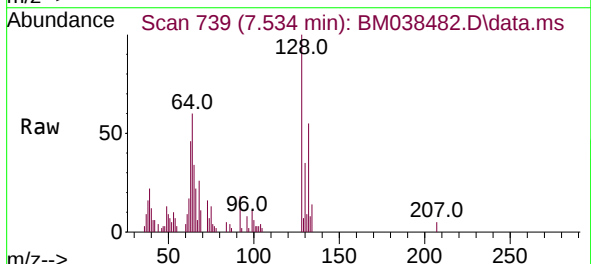
Tgt Ion: 99 Resp: 531815  
Ion Ratio Lower Upper  
99 100  
42 29.1 20.8 31.2  
71 48.8 37.8 56.8

Manual Integrations  
APPROVED

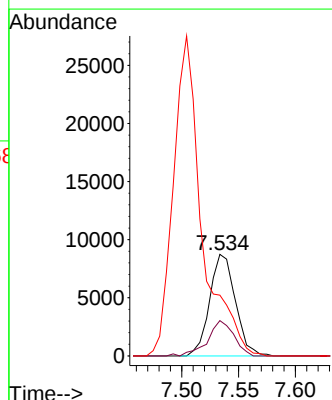
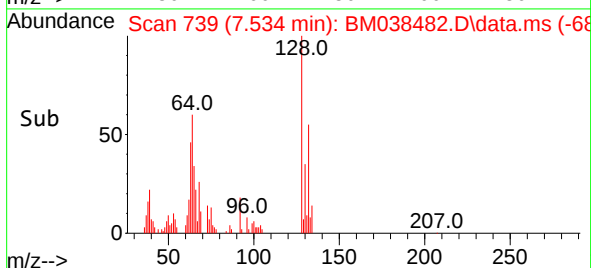
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

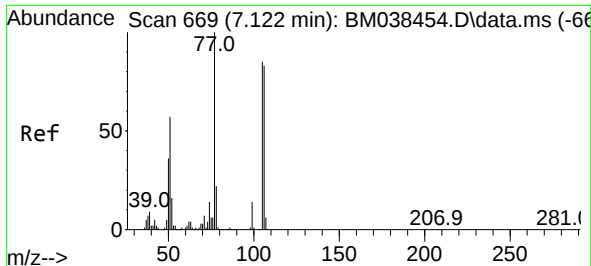


#8  
2-Chlorophenol  
Concen: 3.890 ng  
RT: 7.534 min Scan# 739  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



Tgt Ion:128 Resp: 13762  
Ion Ratio Lower Upper  
128 100  
130 34.8 11.5 51.5  
64 59.8 38.0 78.0





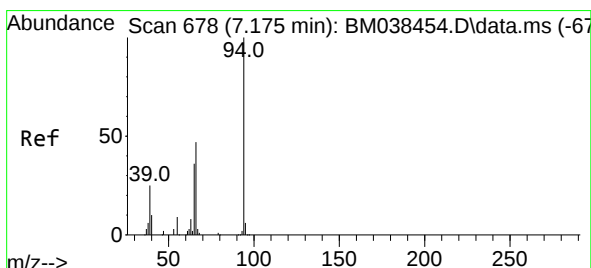
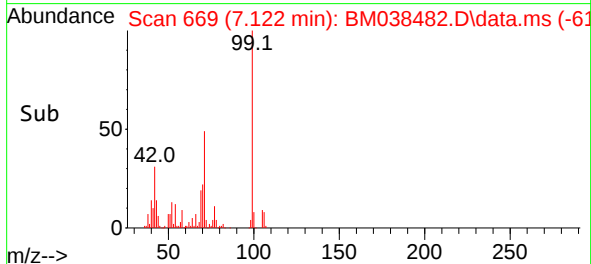
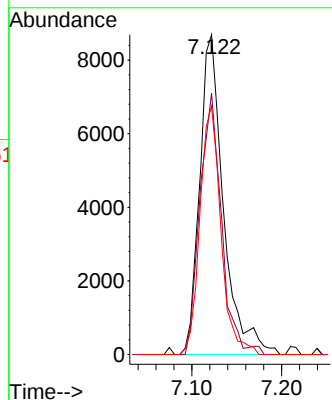
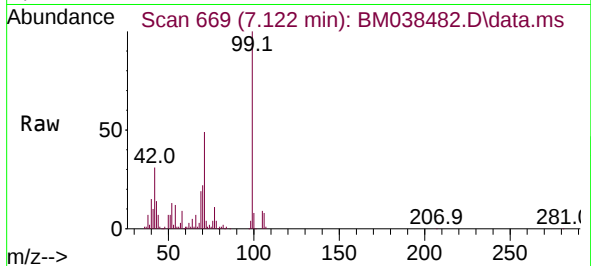
#9  
Benzaldehyde  
Concen: 5.248 ng  
RT: 7.122 min Scan# 60  
Delta R.T. 0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 77 Resp: 16064  
Ion Ratio Lower Upper  
77 100  
105 81.7 65.3 105.3  
106 77.7 62.5 102.5

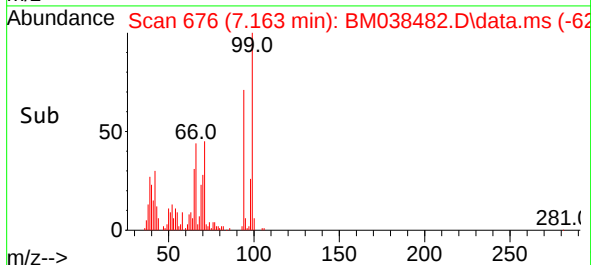
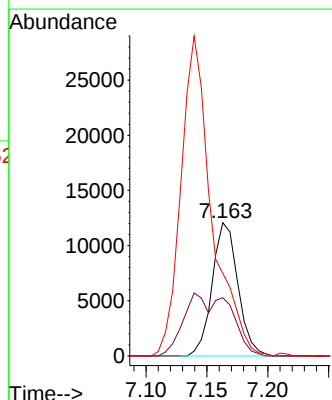
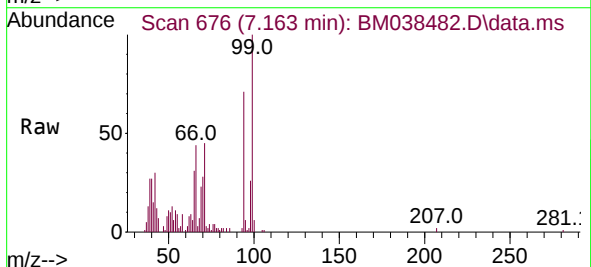
Manual Integrations  
APPROVED

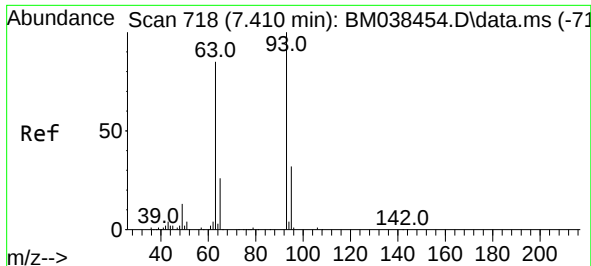
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#10  
Phenol  
Concen: 3.723 ng  
RT: 7.163 min Scan# 676  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion: 94 Resp: 17759  
Ion Ratio Lower Upper  
94 100  
65 43.6 16.3 56.3  
66 62.0 29.2 69.2





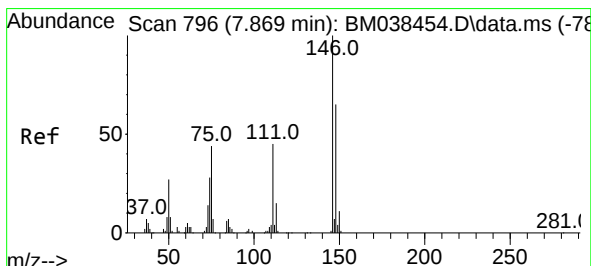
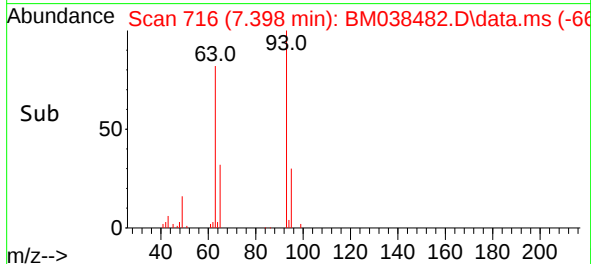
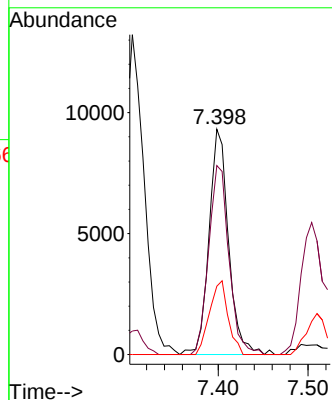
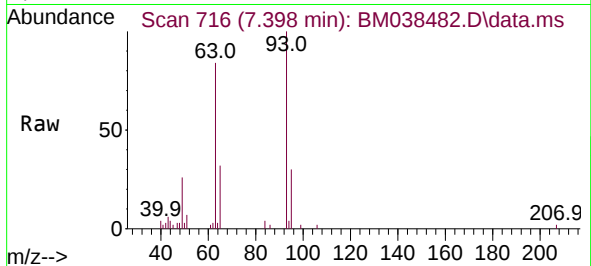
#11  
bis(2-Chloroethyl)ether  
Concen: 3.647 ng  
RT: 7.398 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 93 Resp: 14098  
Ion Ratio Lower Upper  
93 100  
63 83.9 64.6 104.6  
95 30.4 12.0 52.0

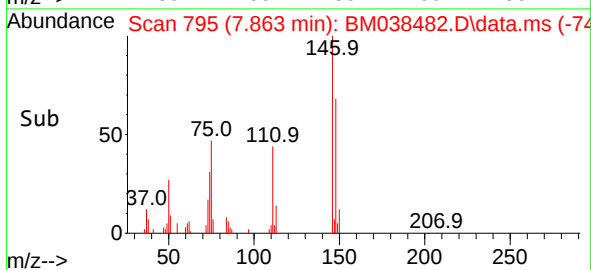
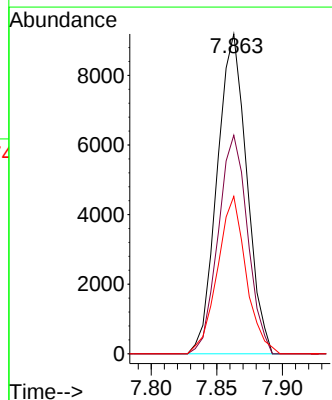
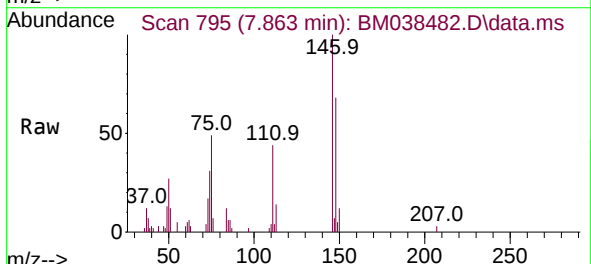
Manual Integrations  
APPROVED

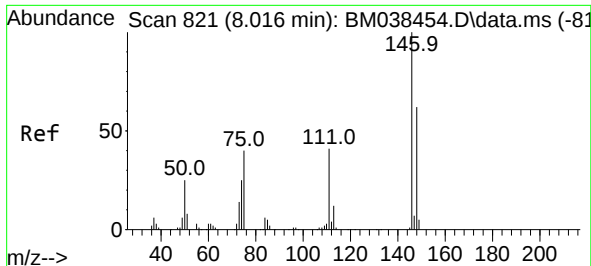
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#12  
1,3-Dichlorobenzene  
Concen: 3.814 ng  
RT: 7.863 min Scan# 795  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:146 Resp: 14453  
Ion Ratio Lower Upper  
146 100  
148 68.3 51.8 77.8  
75 49.2 35.1 52.7





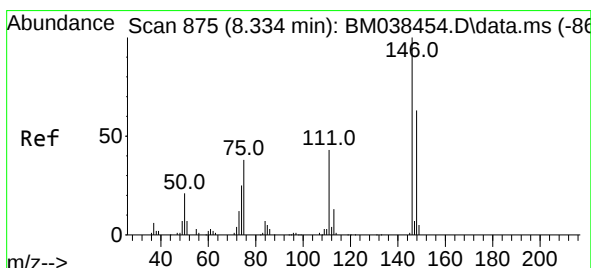
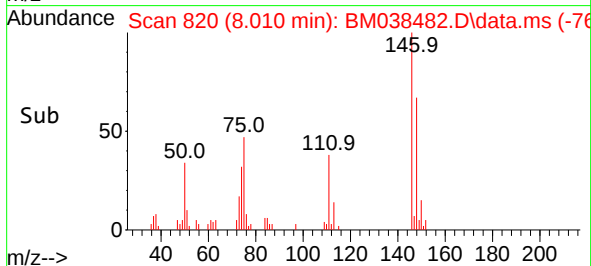
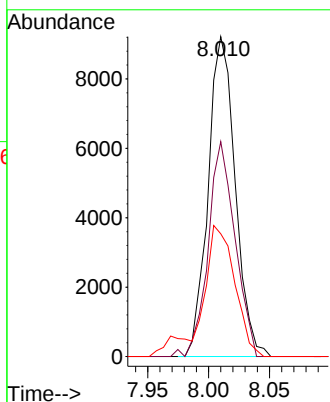
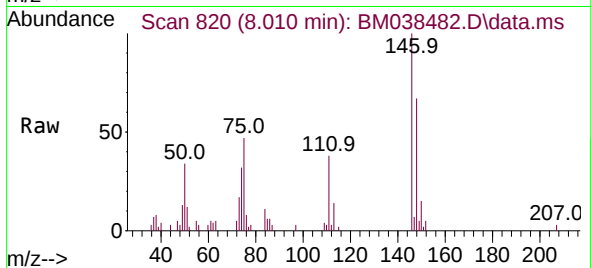
#13  
1,4-Dichlorobenzene  
Concen: 3.752 ng  
RT: 8.010 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:146 Resp: 14304  
Ion Ratio Lower Upper  
146 100  
148 67.2 50.1 75.1  
111 38.4 32.8 49.2

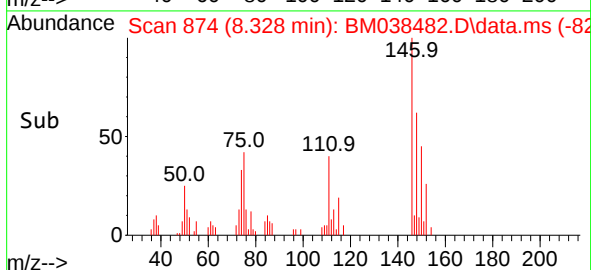
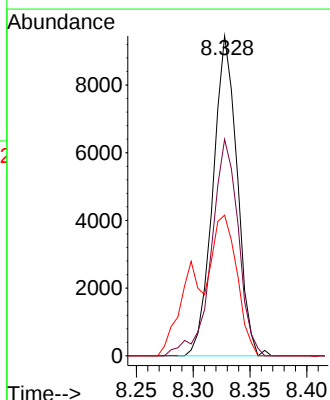
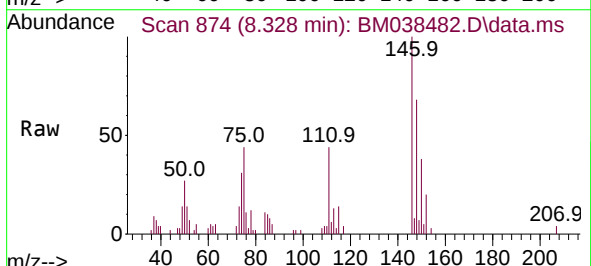
Manual Integrations  
APPROVED

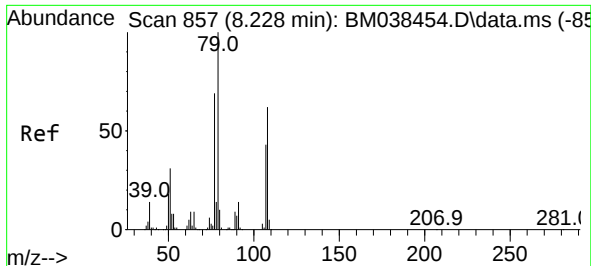
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#14  
1,2-Dichlorobenzene  
Concen: 3.748 ng  
RT: 8.328 min Scan# 874  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:146 Resp: 13972  
Ion Ratio Lower Upper  
146 100  
148 67.7 50.7 76.1  
111 44.0 35.2 52.8





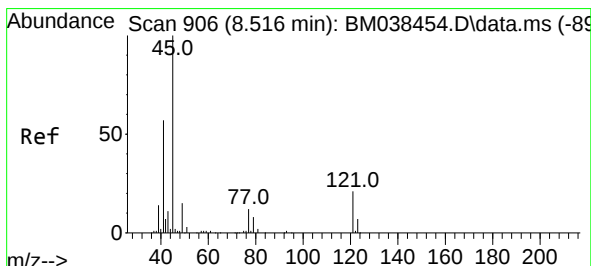
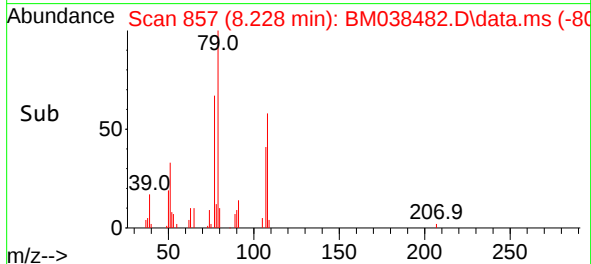
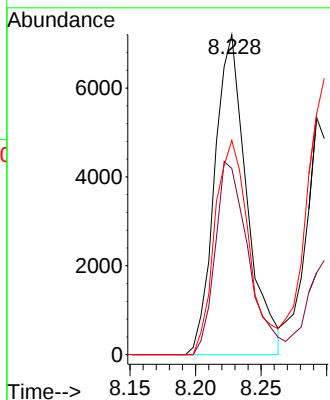
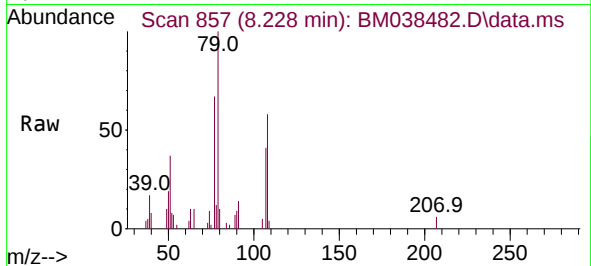
#15  
Benzyl Alcohol  
Concen: 3.365 ng  
RT: 8.228 min Scan# 857  
Delta R.T. 0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 79 Resp: 12335  
Ion Ratio Lower Upper  
79 100  
108 58.2 49.3 73.9  
77 66.9 55.1 82.7

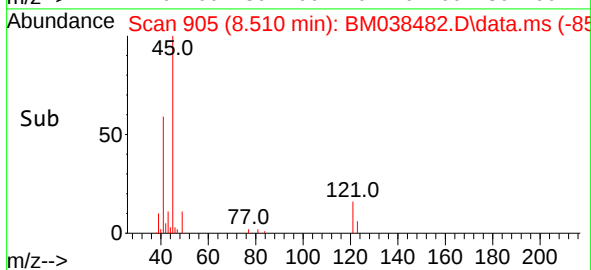
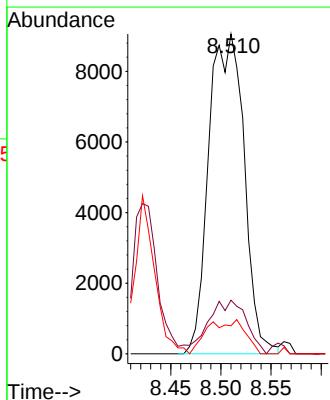
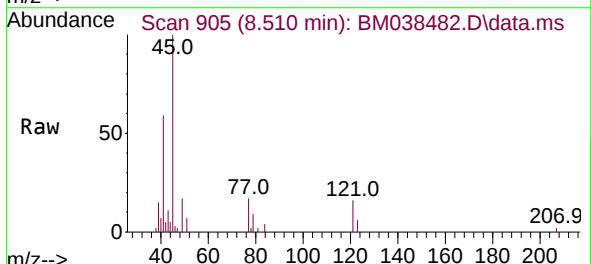
Manual Integrations  
APPROVED

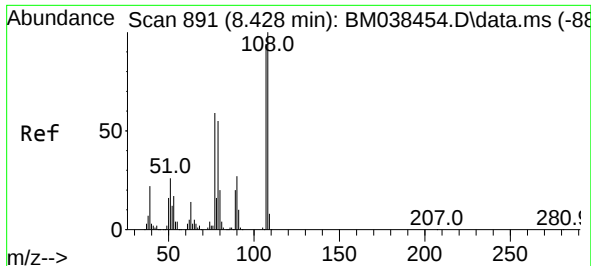
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.115 ng  
RT: 8.510 min Scan# 905  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

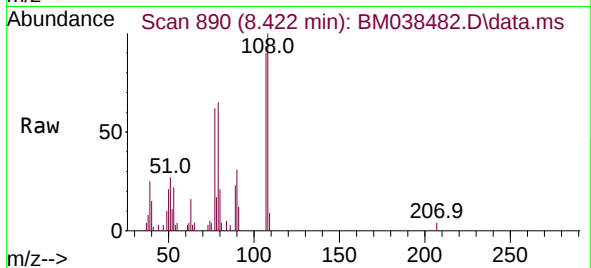
Tgt Ion: 45 Resp: 22176  
Ion Ratio Lower Upper  
45 100  
77 16.8 0.0 34.7  
79 8.8 0.0 30.4





#17  
2-Methylphenol  
Concen: 3.133 ng  
RT: 8.422 min Scan# 891  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

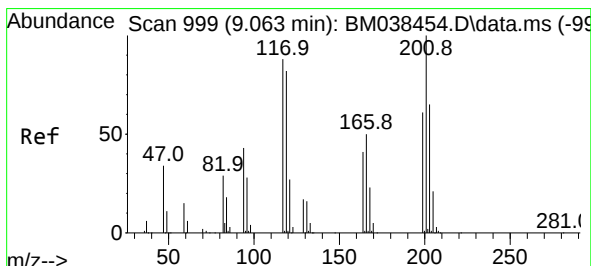
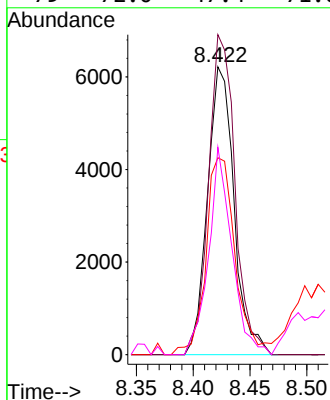
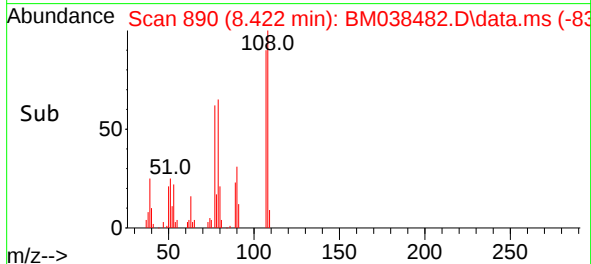
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 1009  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 111.2 | 85.7  | 128.5 |
| 77       | 68.4  | 50.5  | 75.7  |
| 79       | 72.0  | 47.4  | 71.0  |

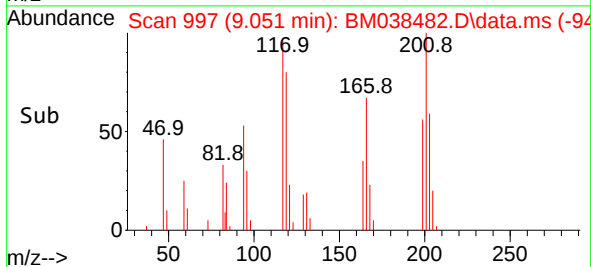
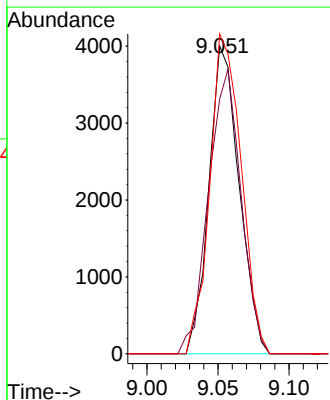
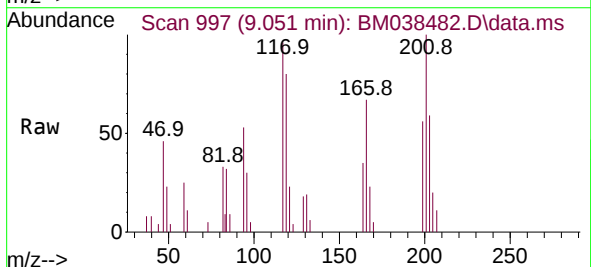
Manual Integrations  
APPROVED

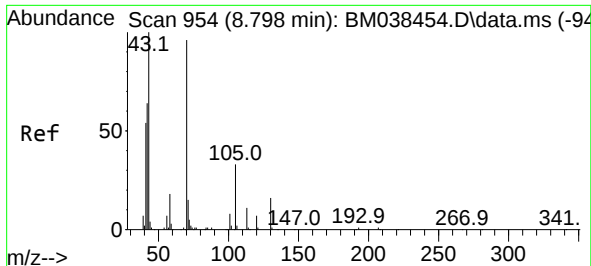
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#18  
Hexachloroethane  
Concen: 3.805 ng  
RT: 9.051 min Scan# 997  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

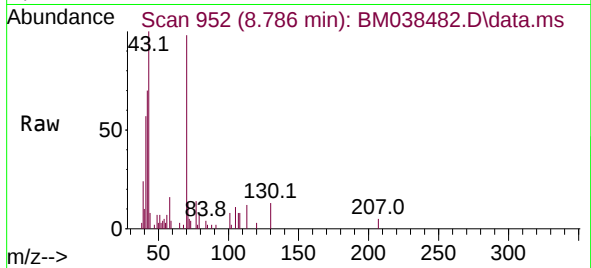
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 5943  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 82.8  | 74.5  | 111.7 |
| 201      | 104.0 | 91.3  | 136.9 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 3.621 ng  
RT: 8.786 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

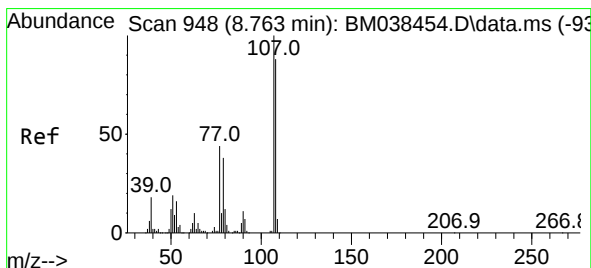
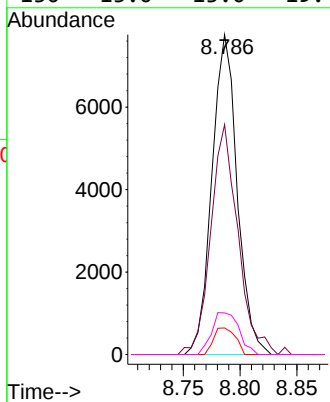
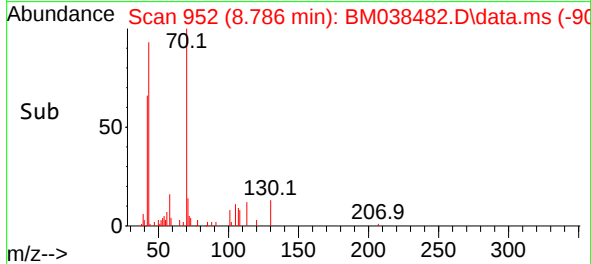
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



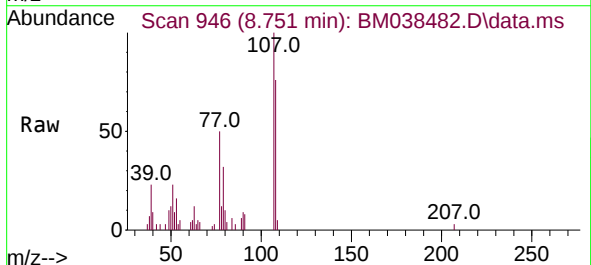
Tgt Ion: 70 Resp: 12030  
Ion Ratio Lower Upper  
70 100  
42 71.9 54.2 81.2  
101 8.3 6.6 10.0  
130 13.0 13.0 19.4

Manual Integrations  
APPROVED

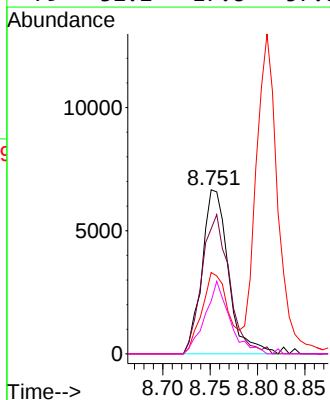
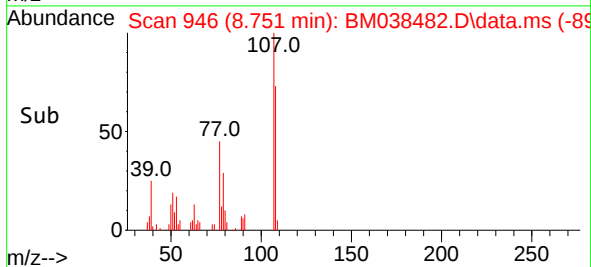
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

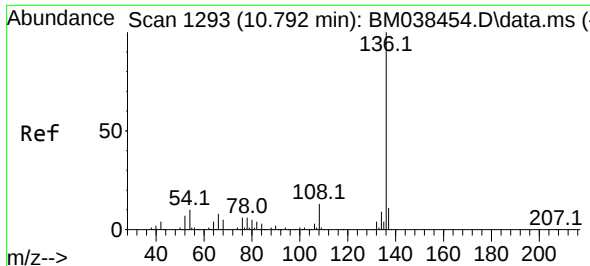


#20  
3+4-Methylphenols  
Concen: 2.980 ng  
RT: 8.751 min Scan# 946  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



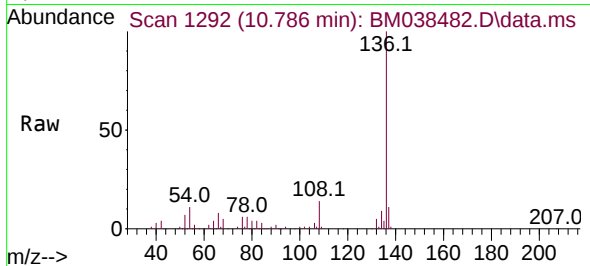
Tgt Ion:107 Resp: 12888  
Ion Ratio Lower Upper  
107 100  
108 76.2 67.6 107.6  
77 49.6 24.1 64.1  
79 32.2 17.8 57.8





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.786 min Scan# 1292  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

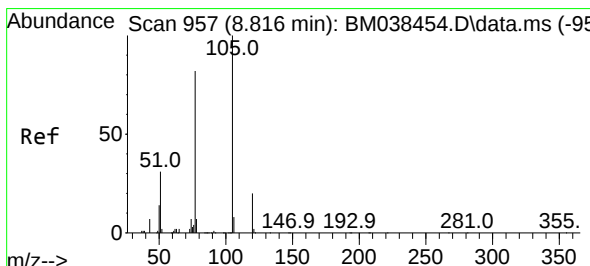
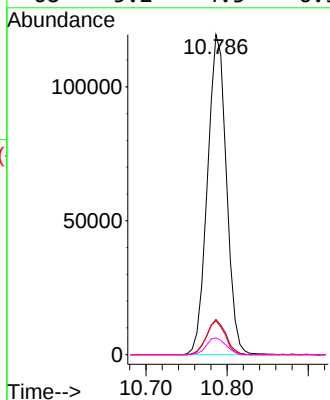
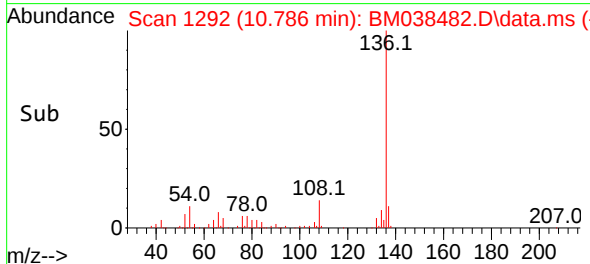
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:136 Resp: 194318  
Ion Ratio Lower Upper  
136 100  
137 11.0 9.0 13.4  
54 10.6 7.6 11.4  
68 5.2 4.3 6.5

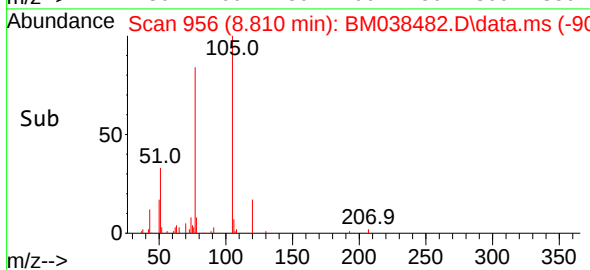
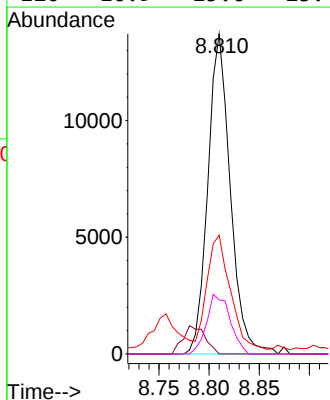
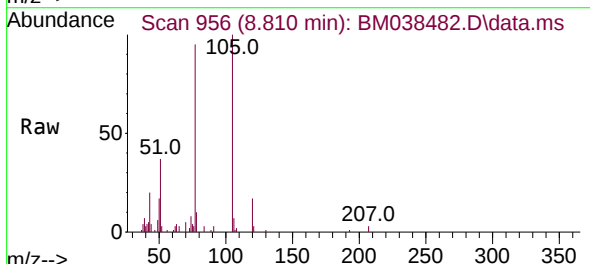
Manual Integrations  
APPROVED

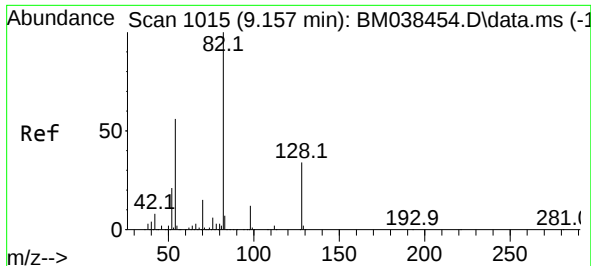
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#22  
Acetophenone  
Concen: 3.709 ng  
RT: 8.810 min Scan# 956  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:105 Resp: 21301  
Ion Ratio Lower Upper  
105 100  
71 0.0 1.0 1.6#  
51 37.1 27.4 41.2  
120 16.9 15.6 23.4





#23

Nitrobenzene-d5

Concen: 80.921 ng

RT: 9.151 min Scan# 1014

Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

Tgt Ion: 82 Resp: 385919

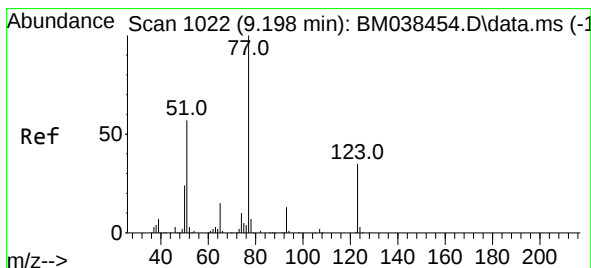
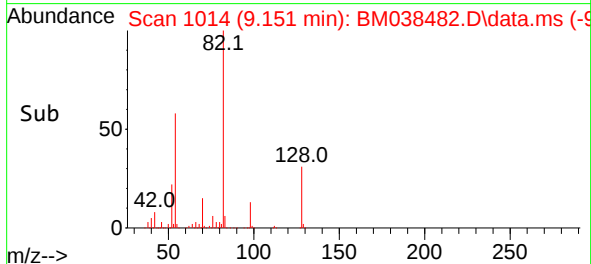
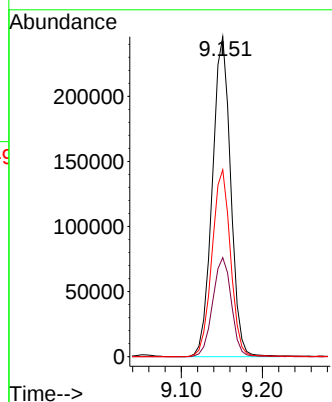
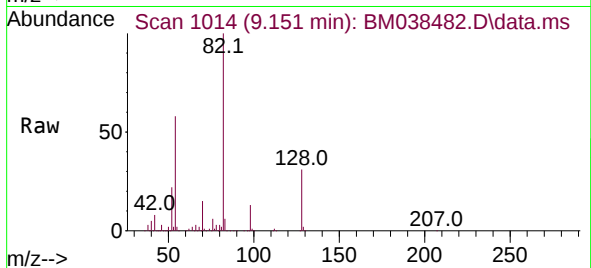
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 128 | 30.9  | 27.0  | 40.6  |
| 54  | 58.4  | 45.0  | 67.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#24

Nitrobenzene

Concen: 4.193 ng m

RT: 9.192 min Scan# 1021

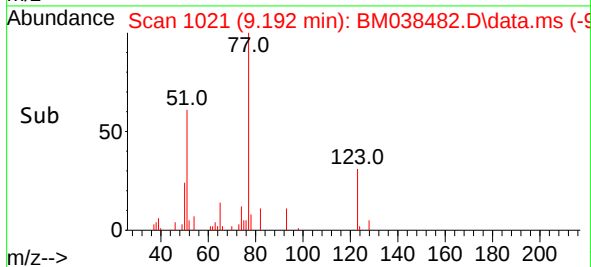
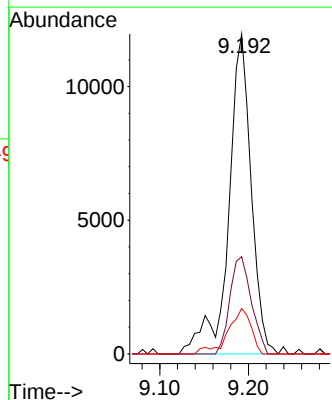
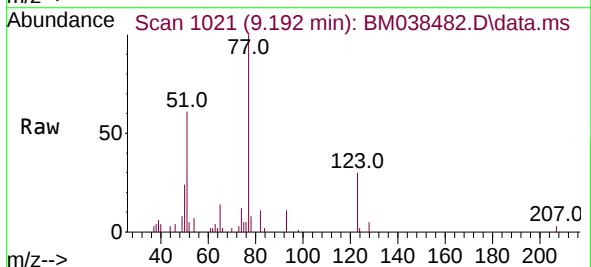
Delta R.T. 0.000 min

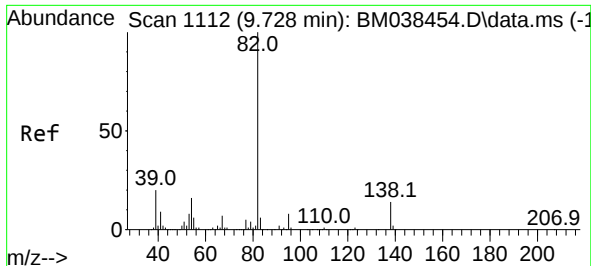
Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Tgt Ion: 77 Resp: 21130

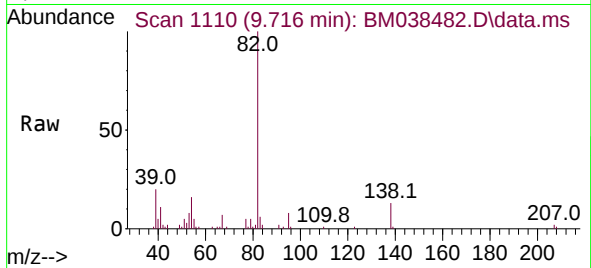
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 77  | 100   |       |       |
| 123 | 30.4  | 28.2  | 42.4  |
| 65  | 14.2  | 12.1  | 18.1  |





#25  
Isophorone  
Concen: 3.776 ng  
RT: 9.716 min Scan# 1110  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

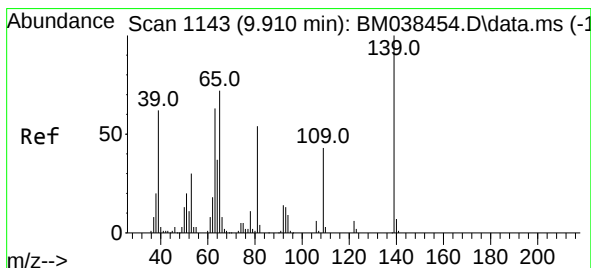
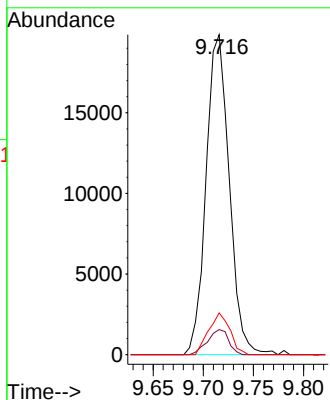
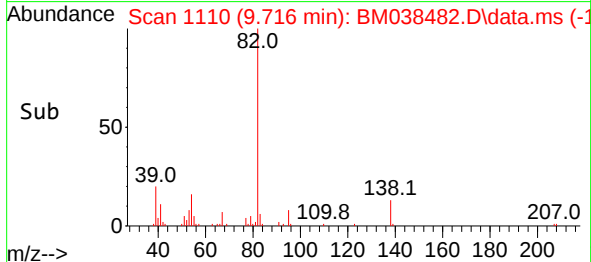
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 82 Resp: 31902  
Ion Ratio Lower Upper  
82 100  
95 7.8 6.1 9.1  
138 13.0 11.5 17.3

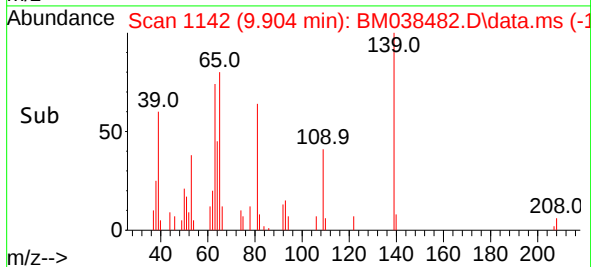
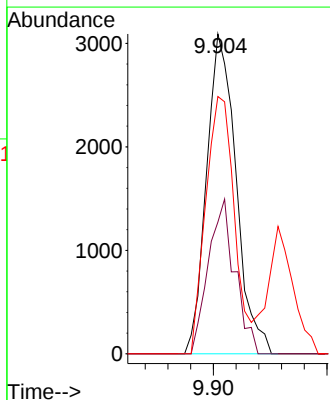
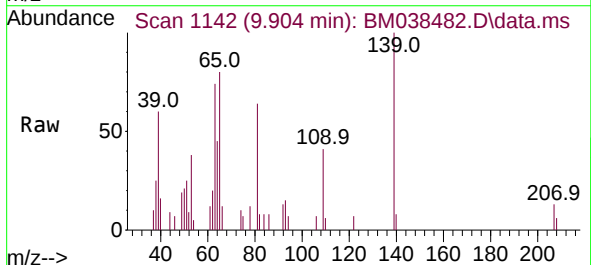
Manual Integrations  
APPROVED

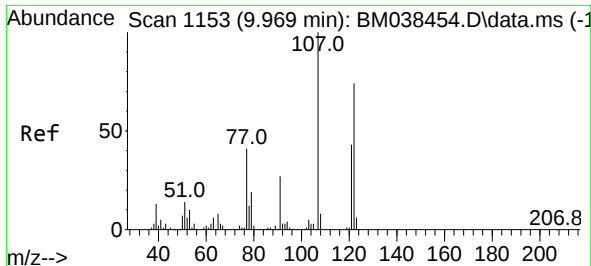
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#26  
2-Nitrophenol  
Concen: 3.150 ng  
RT: 9.904 min Scan# 1142  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:139 Resp: 5572  
Ion Ratio Lower Upper  
139 100  
109 41.2 34.7 52.1  
65 80.4 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 3.293 ng

RT: 9.957 min Scan# 1151

Delta R.T. 0.000 min

Lab File: BM038482.D

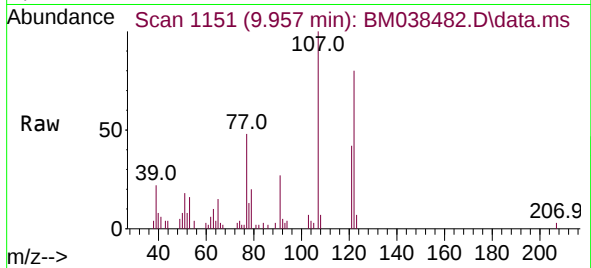
Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



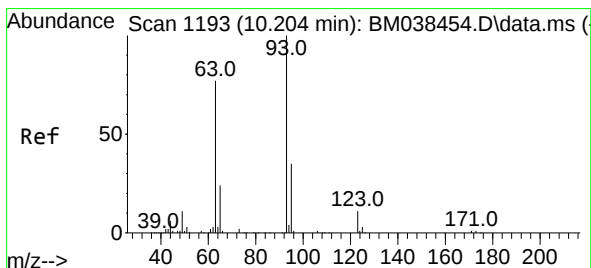
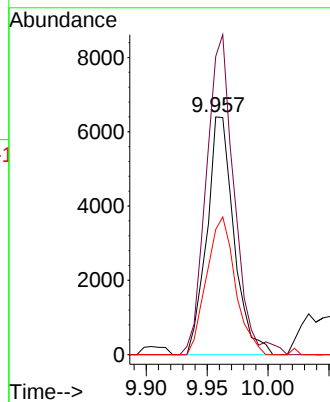
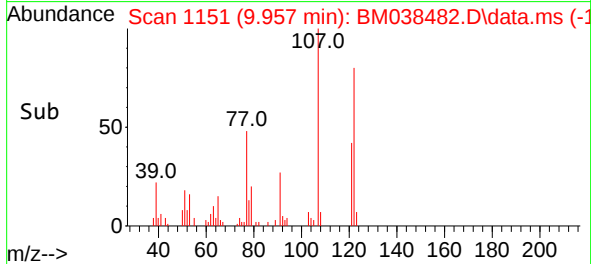
| Tgt Ion:  | 122   | Resp: | 9919  |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 122       | 100   |       |       |
| 107       | 125.5 | 107.4 | 161.0 |
| 121       | 52.6  | 46.6  | 70.0  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#28

bis(2-Chloroethoxy)methane

Concen: 3.486 ng

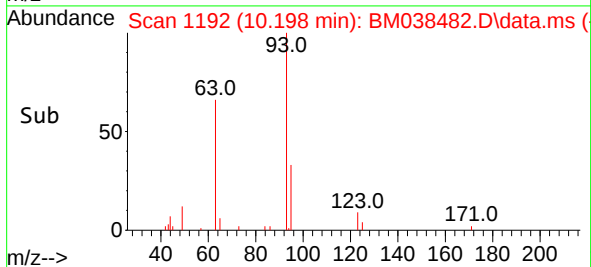
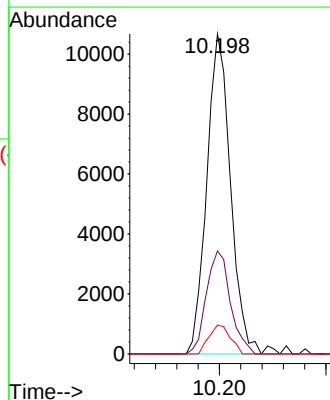
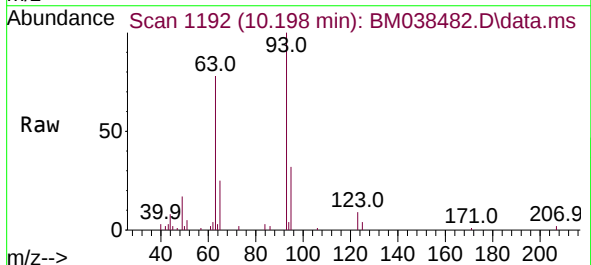
RT: 10.198 min Scan# 1192

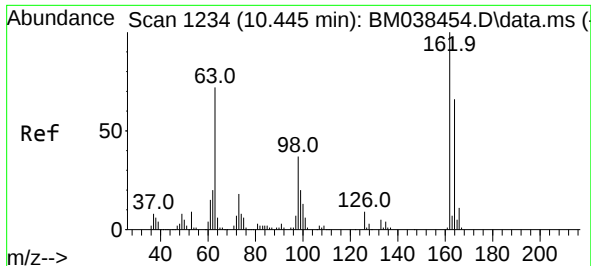
Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

| Tgt Ion:  | 93    | Resp: | 16563 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 32.2  | 27.7  | 41.5  |
| 123       | 9.0   | 8.6   | 13.0  |





#29

2,4-Dichlorophenol

Concen: 3.116 ng

RT: 10.439 min Scan# 1269

Delta R.T. 0.006 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

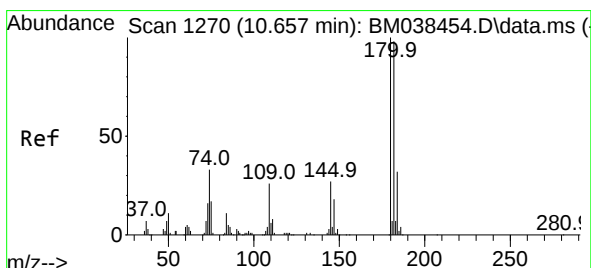
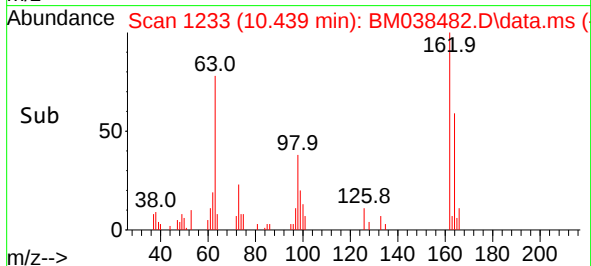
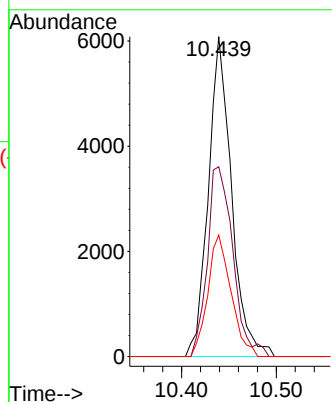
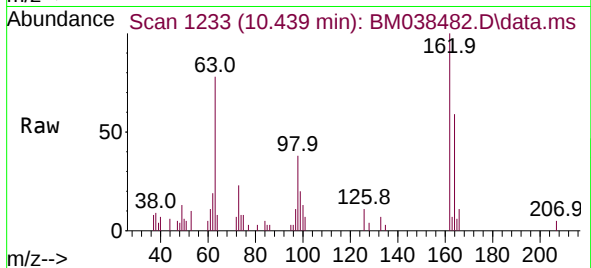
LOD-MDL-SOIL-01-QT3-2022

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 10369 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 59.3  | 46.5  | 86.5  |
| 98        | 38.0  | 17.1  | 57.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#30

1,2,4-Trichlorobenzene

Concen: 3.416 ng

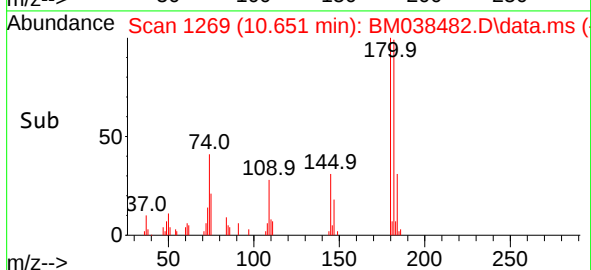
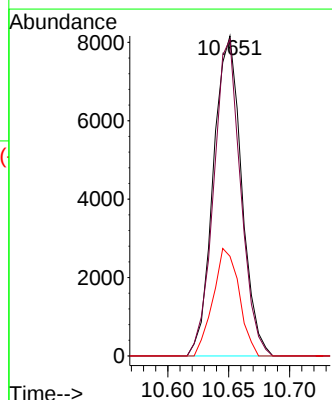
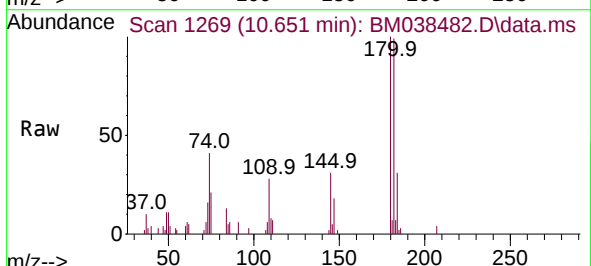
RT: 10.651 min Scan# 1269

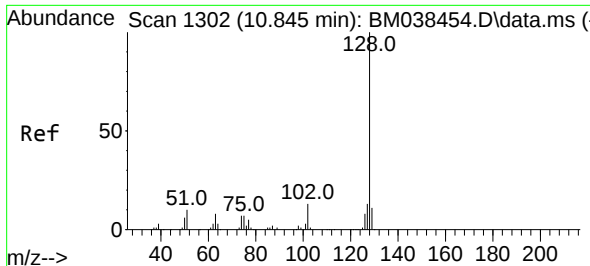
Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 13146 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 98.9  | 78.1  | 117.1 |
| 145       | 31.1  | 21.9  | 32.9  |





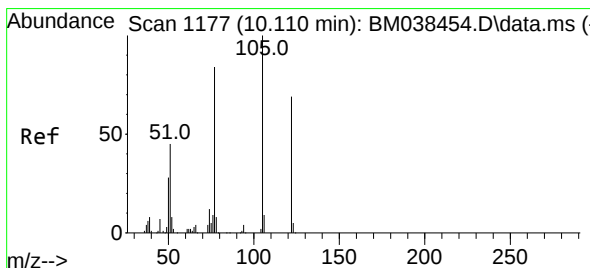
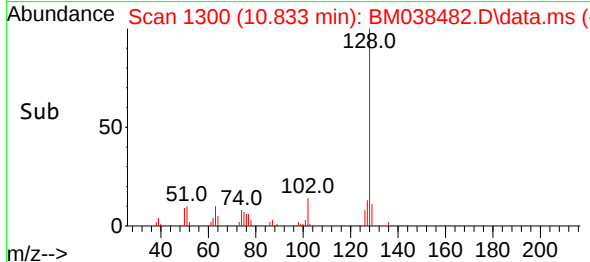
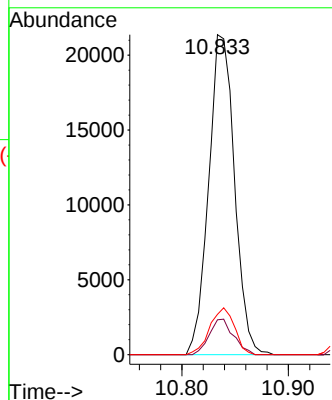
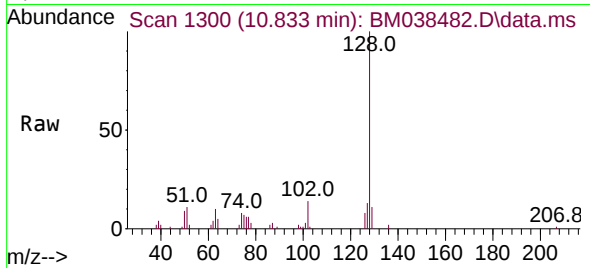
#31  
Naphthalene  
Concen: 3.503 ng  
RT: 10.833 min Scan# 1164  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:128 Resp: 3607  
Ion Ratio Lower Upper  
128 100  
129 10.9 8.9 13.3  
127 12.6 10.8 16.2

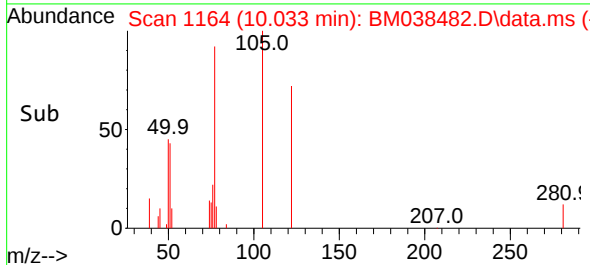
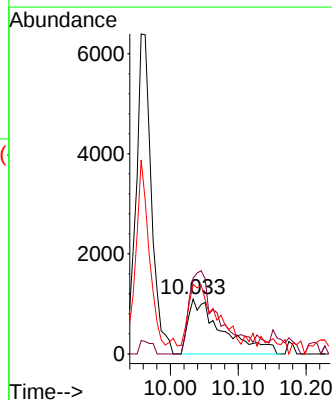
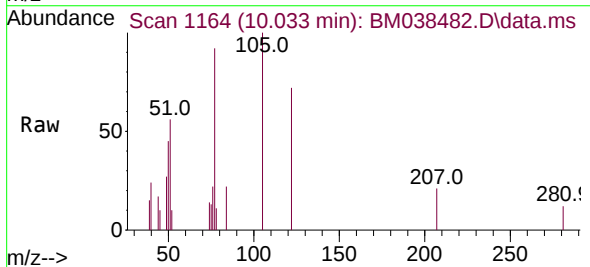
Manual Integrations  
APPROVED

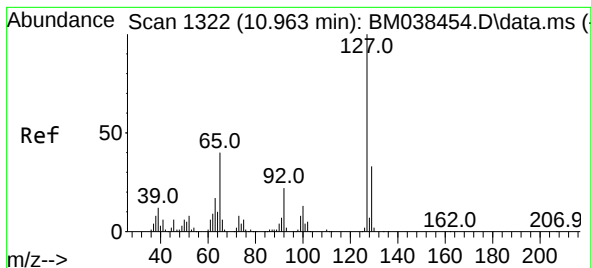
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#32  
Benzoic acid  
Concen: 6.459 ng m  
RT: 10.033 min Scan# 1164  
Delta R.T. -0.065 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:122 Resp: 3822  
Ion Ratio Lower Upper  
122 100  
105 138.1 122.6 162.6  
77 126.5 101.5 141.5





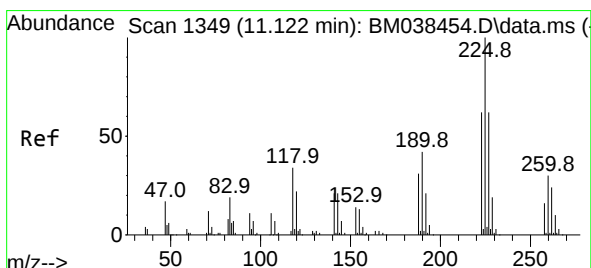
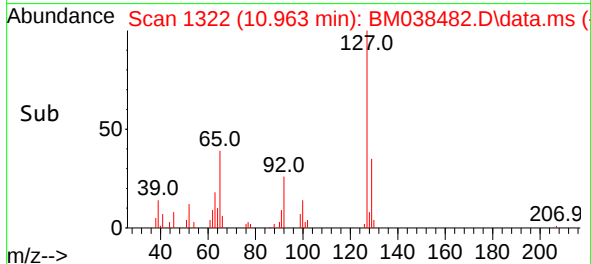
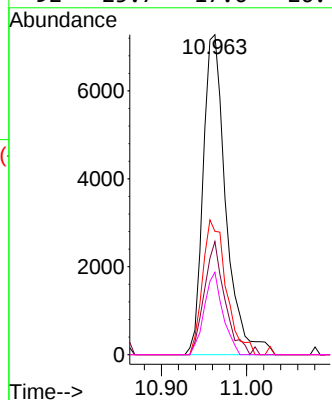
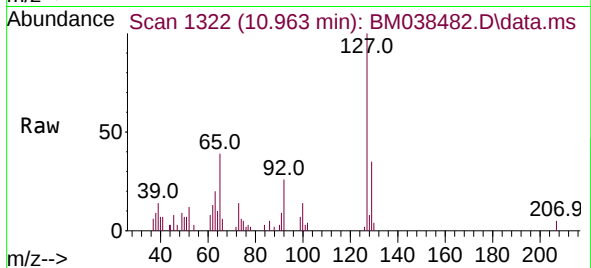
#33  
4-Chloroaniline  
Concen: 2.978 ng  
RT: 10.963 min Scan# 1322  
Delta R.T. 0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 35.3  | 26.4  | 39.6  |
| 65      | 38.5  | 32.1  | 48.1  |
| 92      | 25.7  | 17.6  | 26.4  |

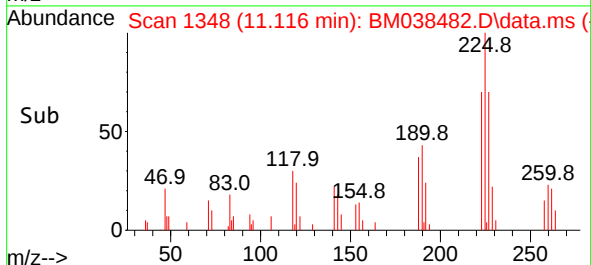
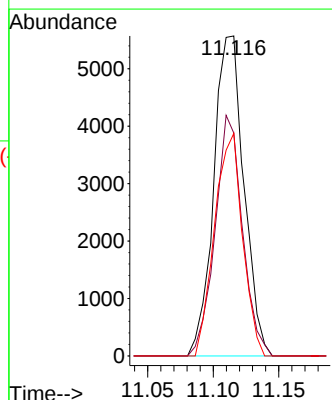
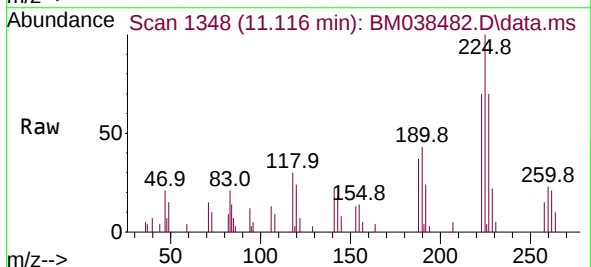
Manual Integrations  
APPROVED

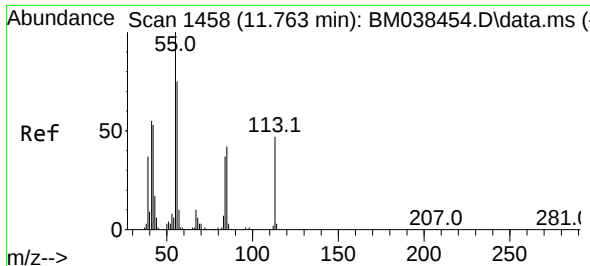
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#34  
Hexachlorobutadiene  
Concen: 3.314 ng  
RT: 11.116 min Scan# 1348  
Delta R.T. 0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

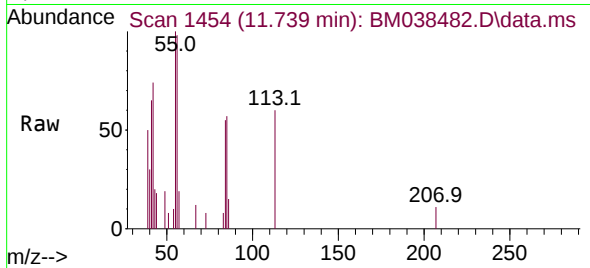
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 67.0  | 49.8  | 74.8  |
| 227     | 66.9  | 49.6  | 74.4  |





#35  
Caprolactam  
Concen: 2.109 ng  
RT: 11.739 min Scan# 1454  
Delta R.T. -0.012 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

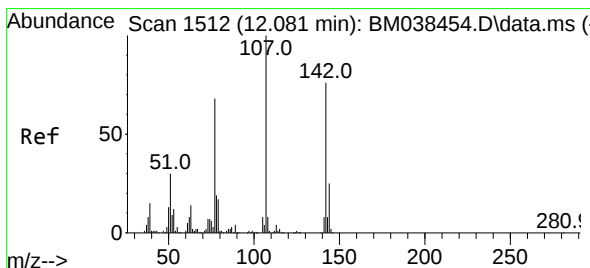
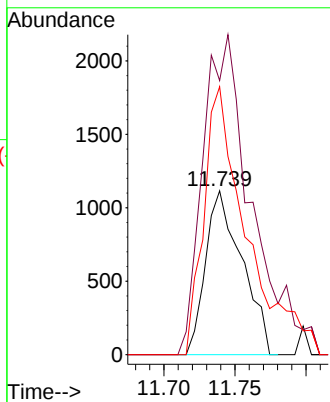
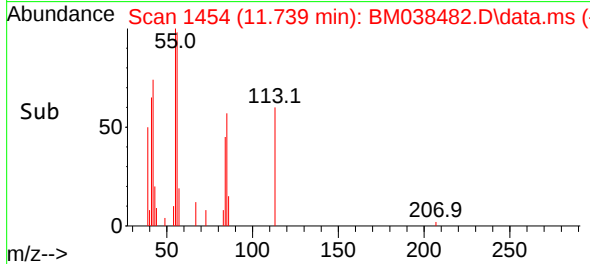
Instrument : BNA\_M  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:113 Resp: 1984  
Ion Ratio Lower Upper  
113 100  
55 167.4 194.2 234.2  
56 163.7 141.6 181.6

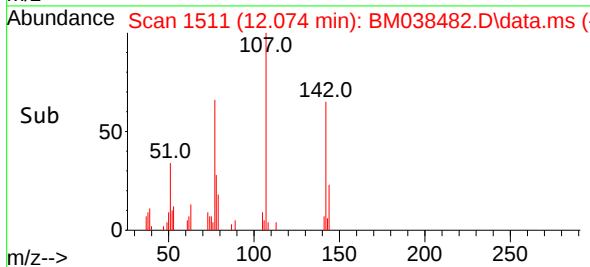
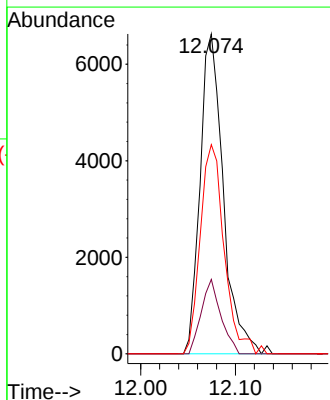
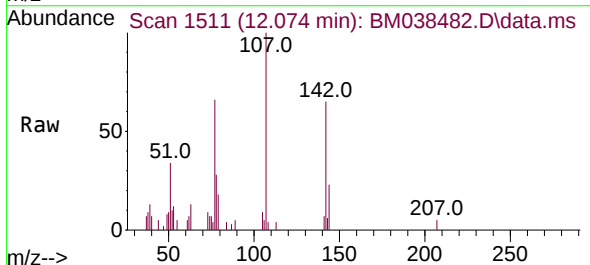
Manual Integrations  
APPROVED

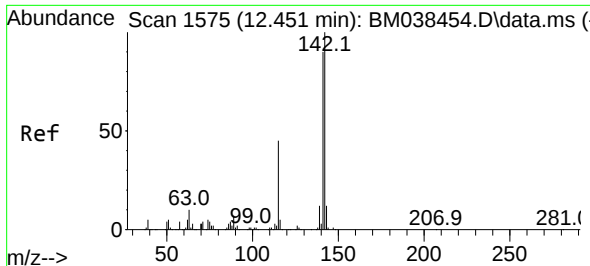
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#36  
4-Chloro-3-methylphenol  
Concen: 3.117 ng  
RT: 12.074 min Scan# 1511  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

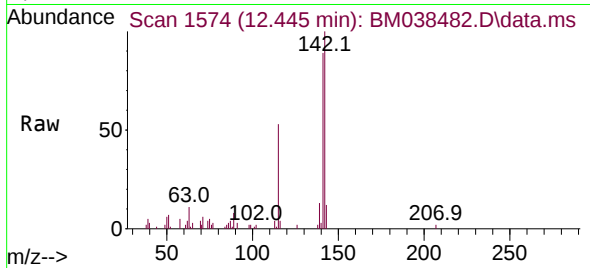
Tgt Ion:107 Resp: 11311  
Ion Ratio Lower Upper  
107 100  
144 23.3 20.3 30.5  
142 65.4 61.2 91.8





#37  
2-Methylnaphthalene  
Concen: 3.147 ng  
RT: 12.445 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

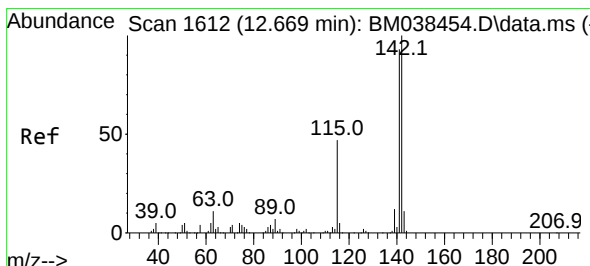
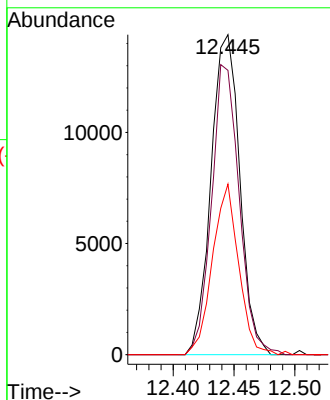
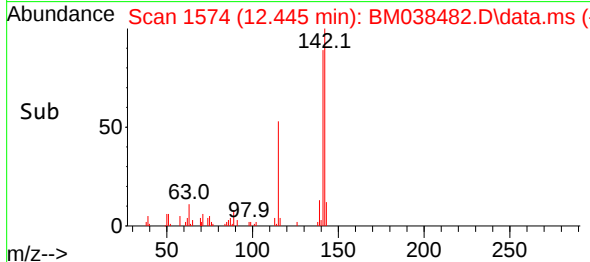
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



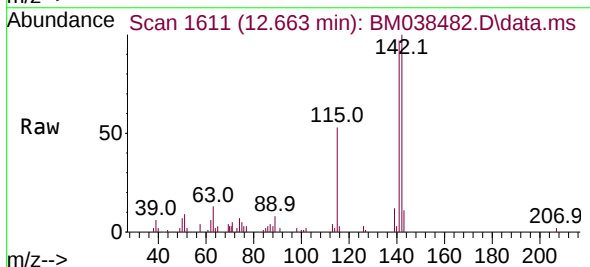
Tgt Ion:142 Resp: 23696  
Ion Ratio Lower Upper  
142 100  
141 88.8 72.0 108.0  
115 53.3 35.9 53.9

Manual Integrations  
APPROVED

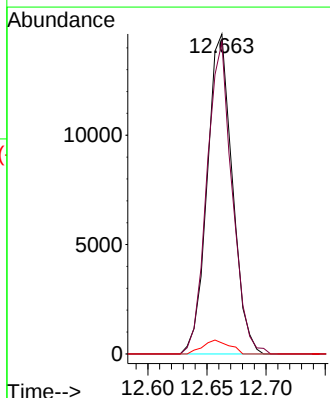
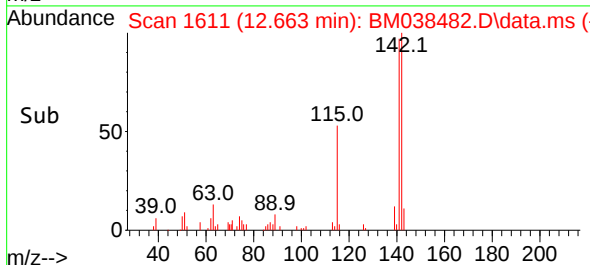
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

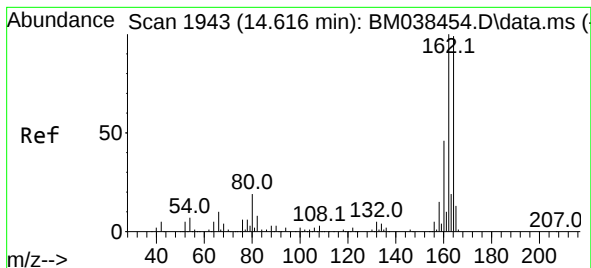


#38  
1-Methylnaphthalene  
Concen: 3.058 ng m  
RT: 12.663 min Scan# 1611  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



Tgt Ion:142 Resp: 21618  
Ion Ratio Lower Upper  
142 100  
141 97.4 74.4 111.6  
116 3.5 3.8 5.8#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.610 min Scan# 1943

Delta R.T. 0.000 min

Lab File: BM038482.D

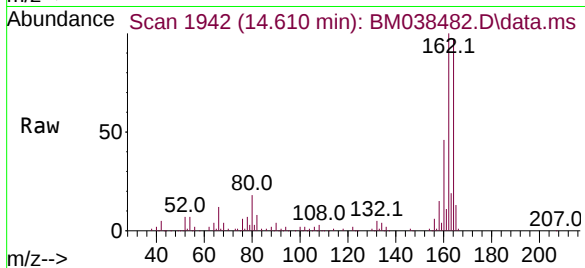
Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:164 Resp: 11632

Ion Ratio Lower Upper

164 100

162 103.4 80.9 121.3

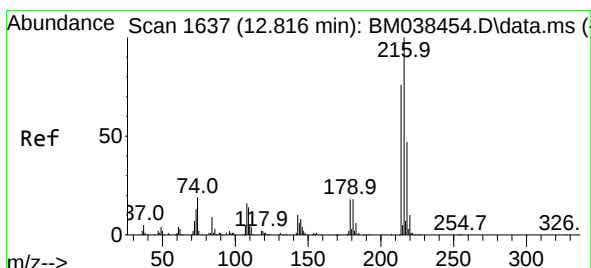
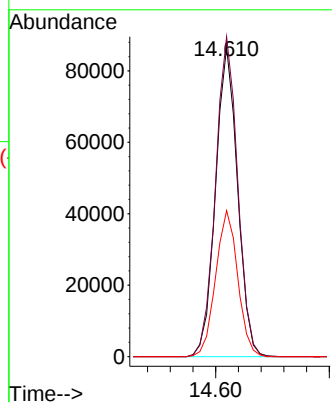
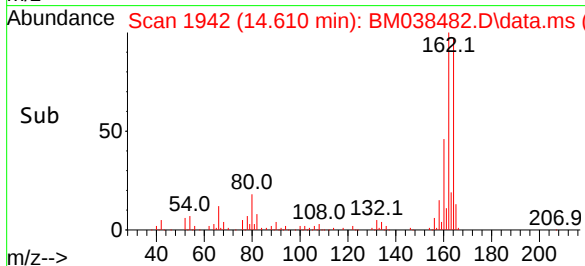
160 47.2 37.4 56.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 3.533 ng

RT: 12.804 min Scan# 1635

Delta R.T. -0.006 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Tgt Ion:216 Resp: 15383

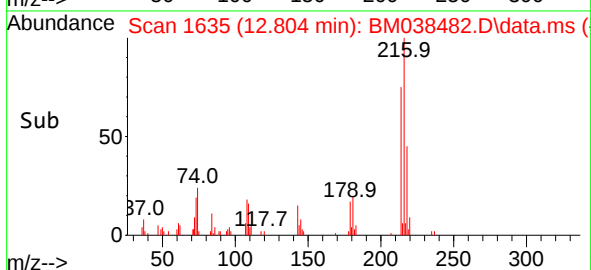
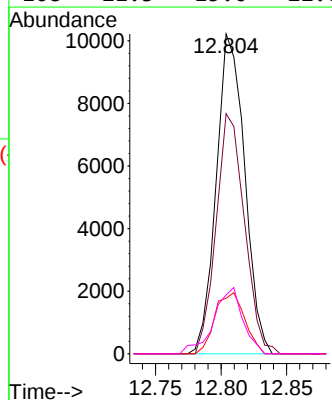
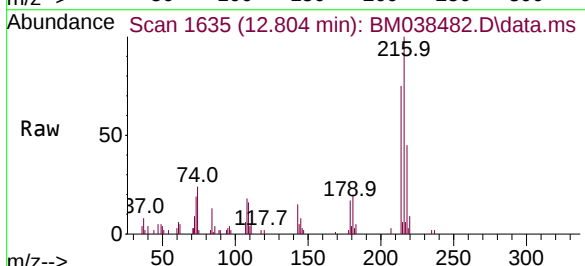
Ion Ratio Lower Upper

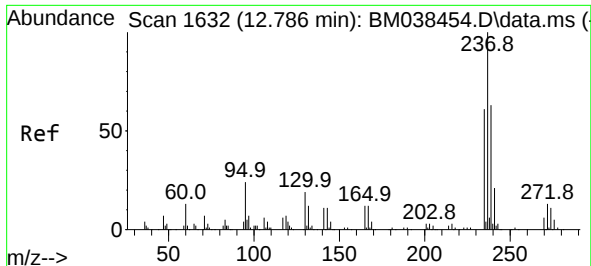
216 100

214 74.8 61.4 92.0

179 20.1 15.3 22.9

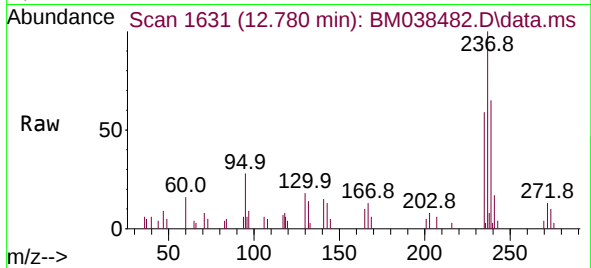
108 21.3 15.0 22.6





#41  
Hexachlorocyclopentadiene  
Concen: 3.181 ng  
RT: 12.780 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

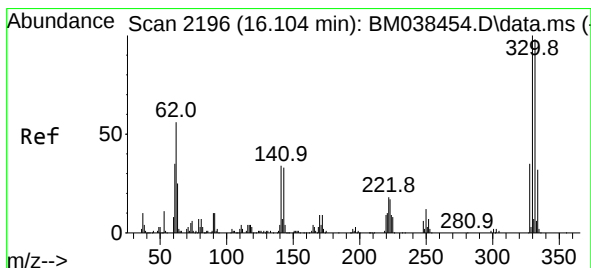
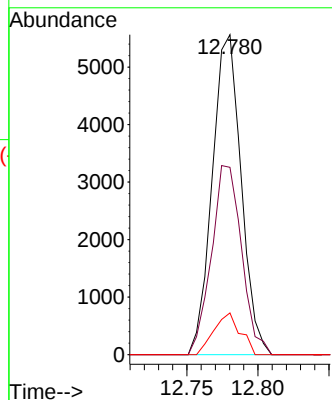
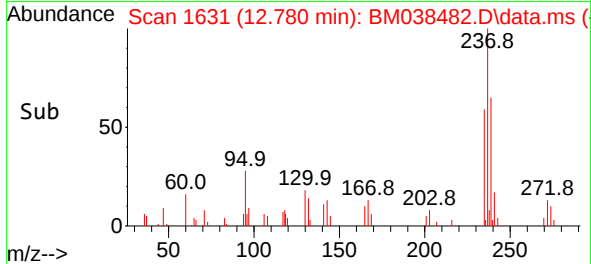
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion: 237 Resp: 7874  
Ion Ratio Lower Upper  
237 100  
235 61.9 40.9 80.9  
272 13.0 0.0 32.6

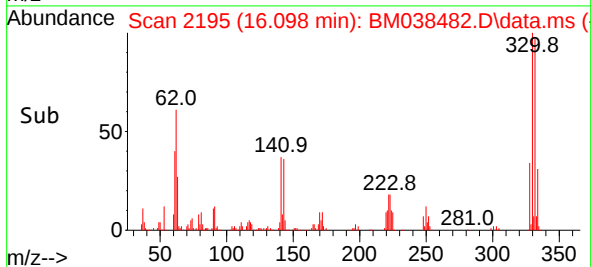
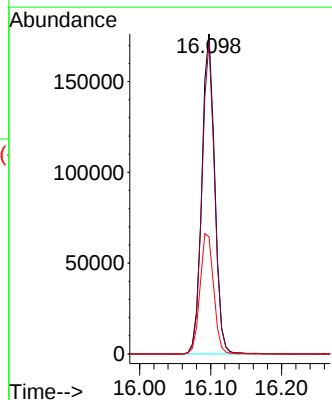
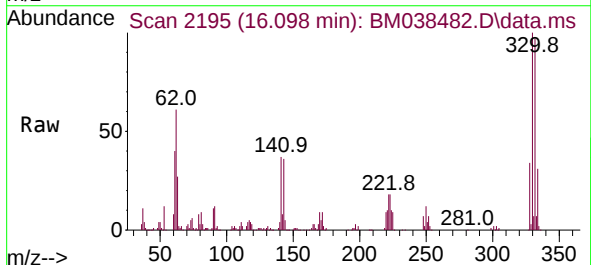
Manual Integrations  
APPROVED

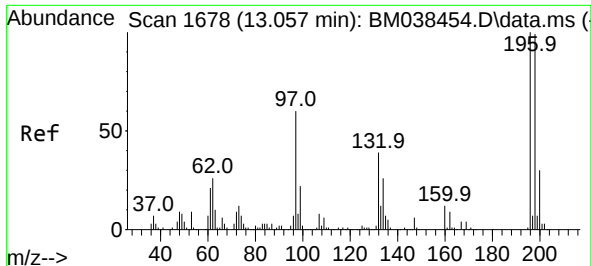
Reviewed By : Christian Giraldo 01/19/2023  
Supervised By : Jagrut Upadhyay 01/19/2023



#42  
2,4,6-Tribromophenol  
Concen: 112.283 ng  
RT: 16.098 min Scan# 2195  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

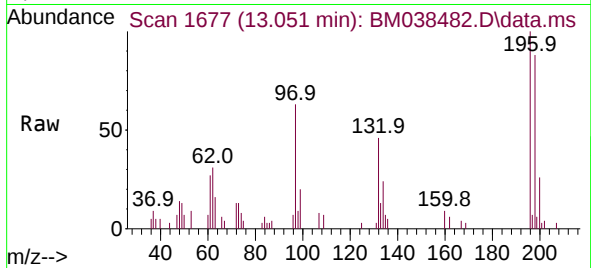
Tgt Ion: 330 Resp: 220793  
Ion Ratio Lower Upper  
330 100  
332 95.8 77.0 115.4  
141 39.7 28.1 42.1





#43  
2,4,6-Trichlorophenol  
Concen: 3.207 ng  
RT: 13.051 min Scan# 1677  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

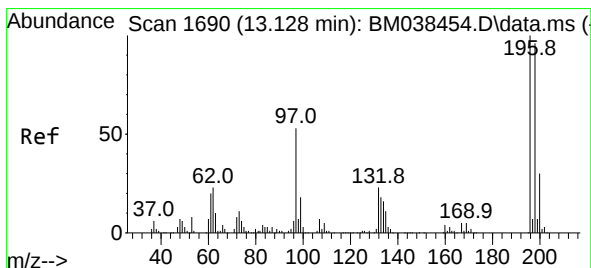
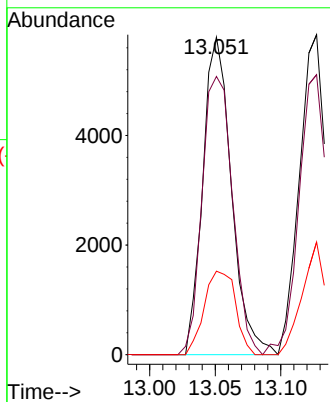
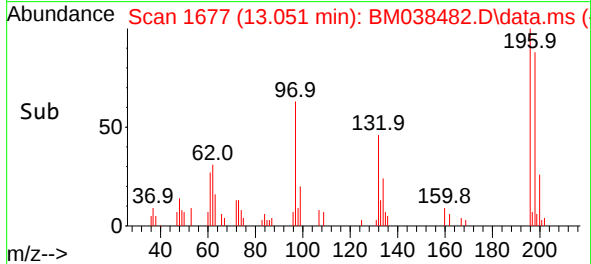
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



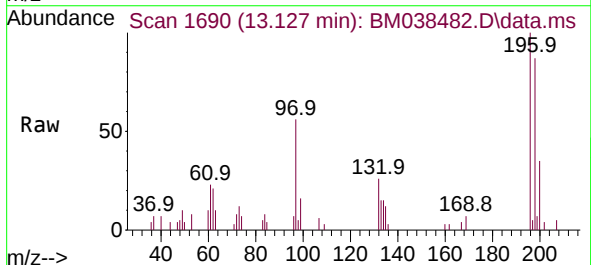
Tgt Ion:196 Resp: 8826  
Ion Ratio Lower Upper  
196 100  
198 93.3 78.8 118.2  
200 26.3 24.4 36.6

Manual Integrations  
APPROVED

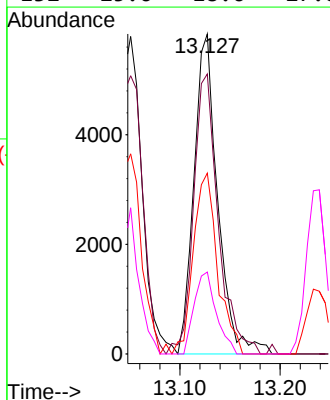
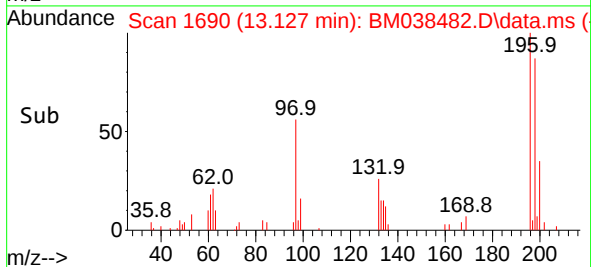
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

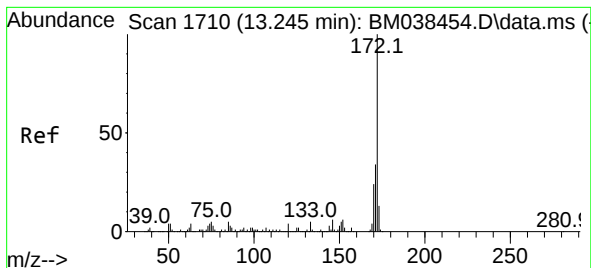


#44  
2,4,5-Trichlorophenol  
Concen: 2.958 ng  
RT: 13.127 min Scan# 1690  
Delta R.T. 0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



Tgt Ion:196 Resp: 9597  
Ion Ratio Lower Upper  
196 100  
198 87.5 77.4 116.2  
97 56.5 42.4 63.6  
132 25.6 18.6 27.8





#45

2-Fluorobiphenyl

Concen: 78.452 ng

RT: 13.239 min Scan# 1709

Delta R.T. 0.000 min

Lab File: BM038482.D

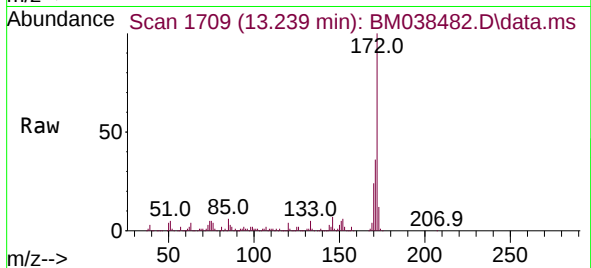
Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



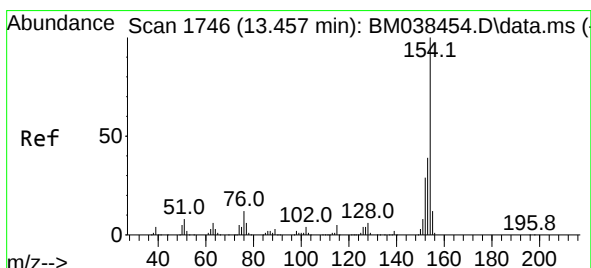
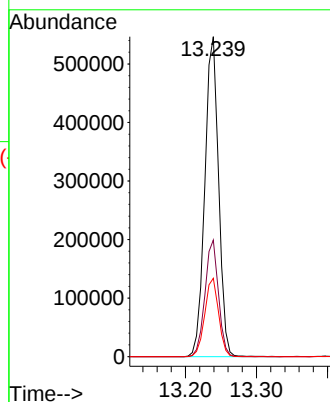
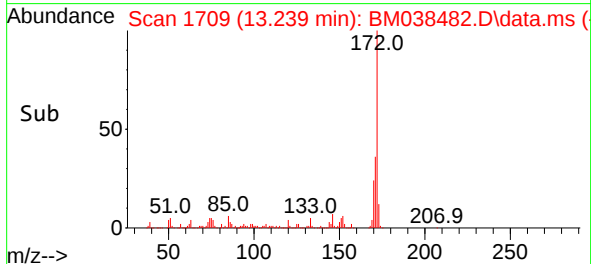
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 172     | 100   |       |       |
| 171     | 36.4  | 27.5  | 41.3  |
| 170     | 24.5  | 19.0  | 28.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#46

1,1'-Biphenyl

Concen: 3.674 ng

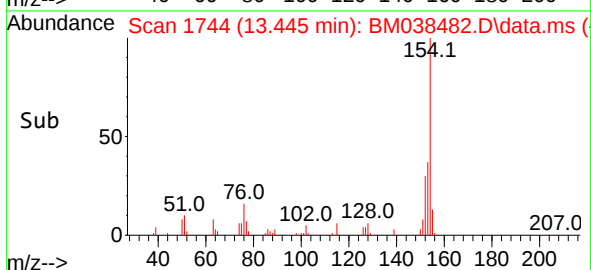
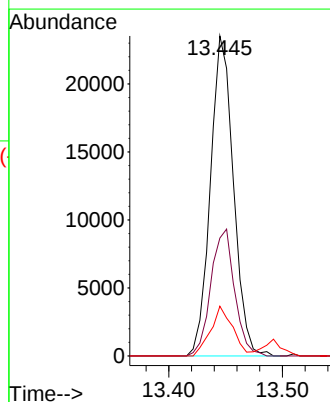
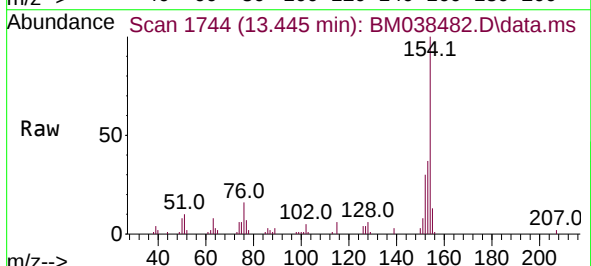
RT: 13.445 min Scan# 1744

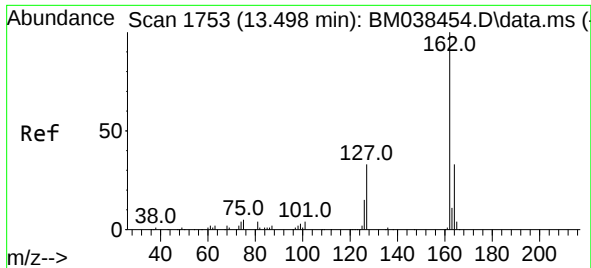
Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 154     | 100   |       |       |
| 153     | 36.8  | 19.3  | 59.3  |
| 76      | 15.5  | 0.0   | 32.2  |





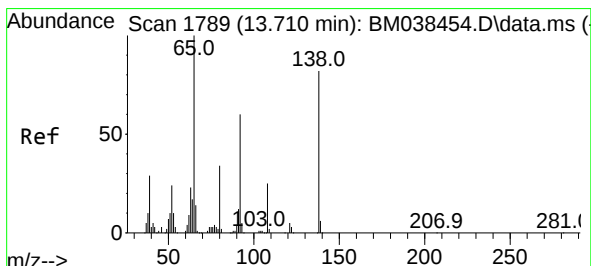
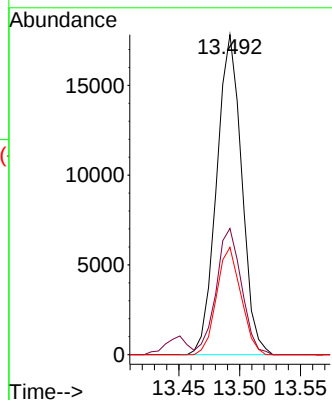
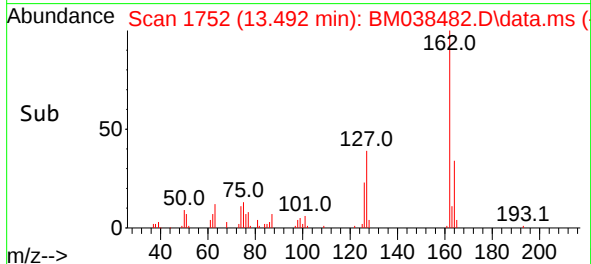
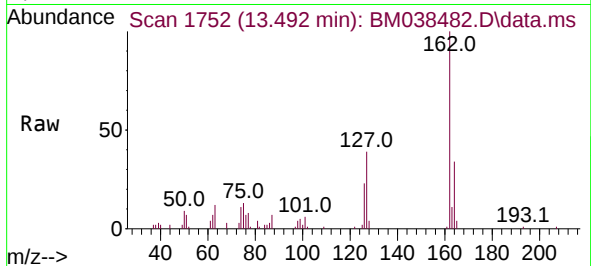
#47  
2-Chloronaphthalene  
Concen: 3.603 ng  
RT: 13.492 min Scan# 1753  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:162 Resp: 25590  
Ion Ratio Lower Upper  
162 100  
127 39.4 29.5 44.3  
164 33.5 26.2 39.4

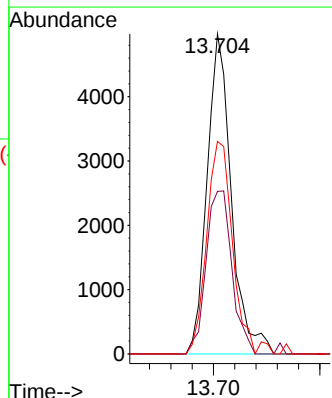
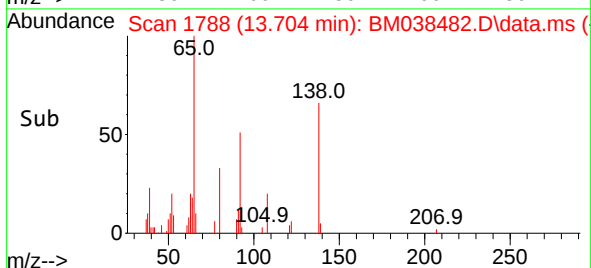
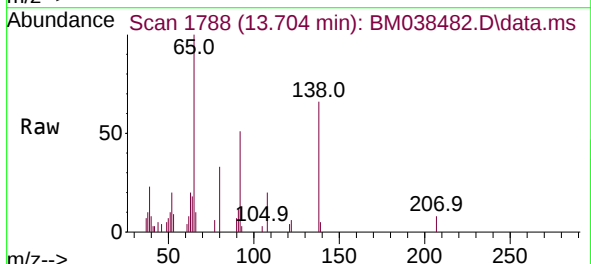
Manual Integrations  
APPROVED

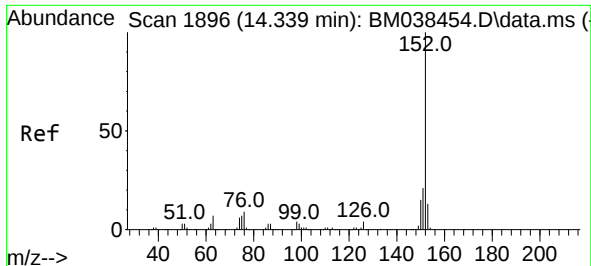
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#48  
2-Nitroaniline  
Concen: 4.896 ng  
RT: 13.704 min Scan# 1788  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

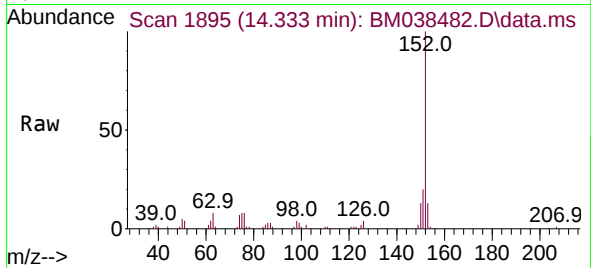
Tgt Ion: 65 Resp: 7850  
Ion Ratio Lower Upper  
65 100  
92 50.8 47.6 71.4  
138 66.4 65.8 98.8





#49  
Acenaphthylene  
Concen: 3.207 ng  
RT: 14.333 min Scan# 1895  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

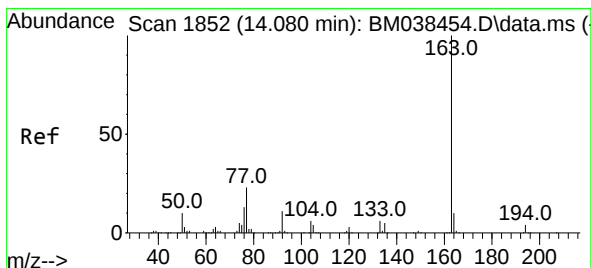
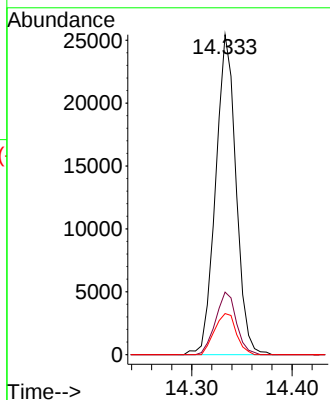
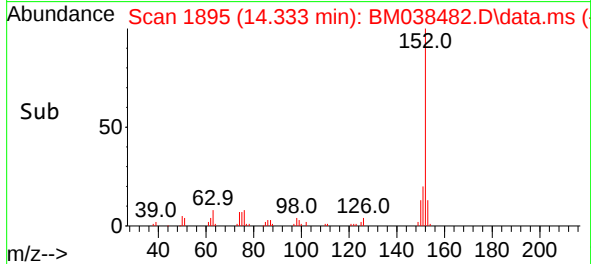
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



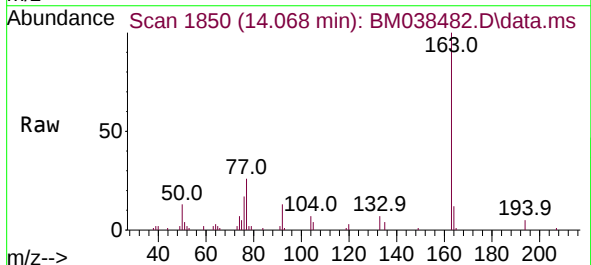
Tgt Ion:152 Resp: 35916  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.4 24.6  
153 12.8 10.6 15.8

Manual Integrations  
APPROVED

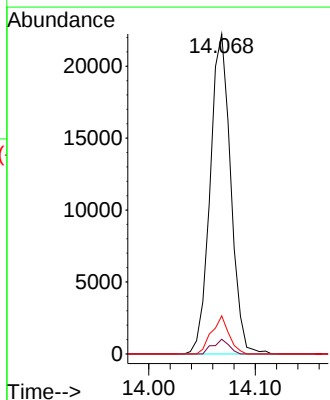
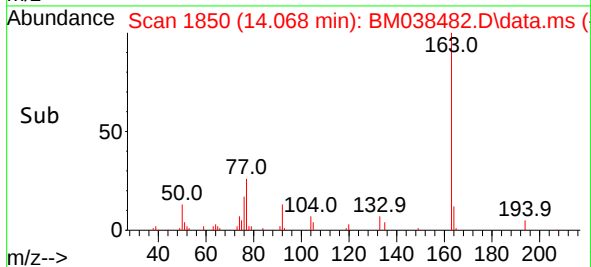
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

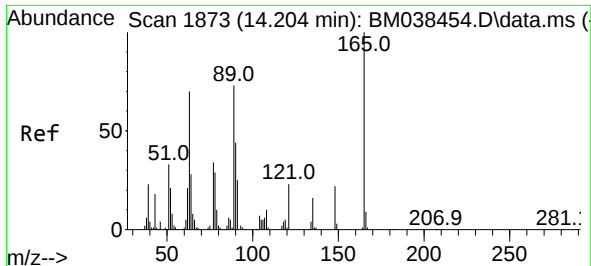


#50  
Dimethylphthalate  
Concen: 3.170 ng  
RT: 14.068 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



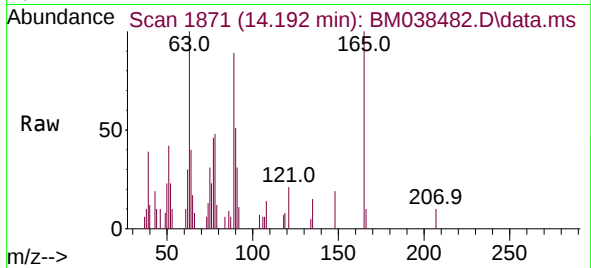
Tgt Ion:163 Resp: 29884  
Ion Ratio Lower Upper  
163 100  
194 4.6 3.6 5.4  
164 11.9 7.8 11.8#





#51  
2,6-Dinitrotoluene  
Concen: 2.780 ng  
RT: 14.192 min Scan# 1873  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

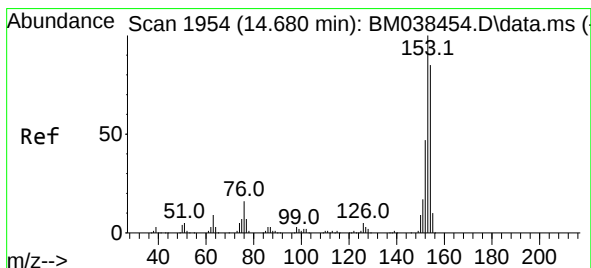
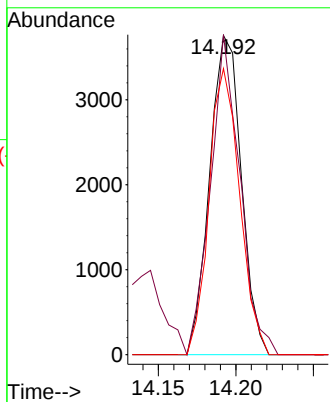
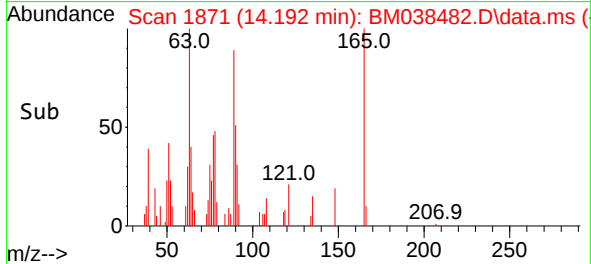
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



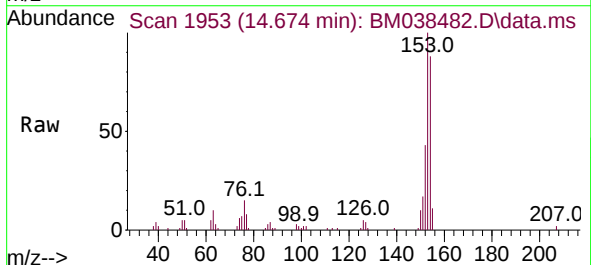
Tgt Ion:165 Resp: 5332  
Ion Ratio Lower Upper  
165 100  
63 100.3 60.9 91.3  
89 89.6 58.6 87.8

Manual Integrations  
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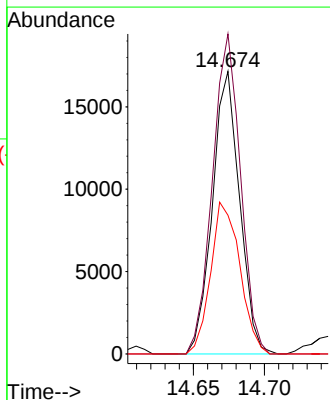
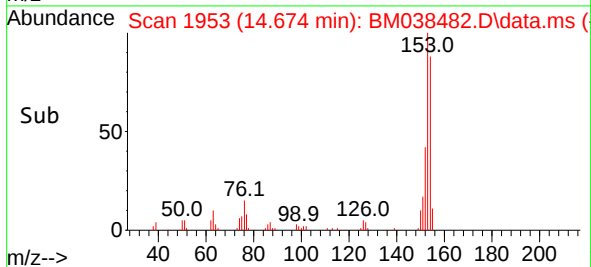
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

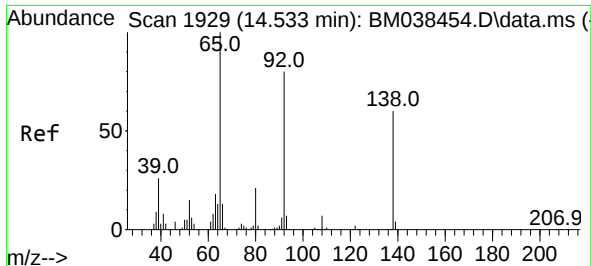


#52  
Acenaphthene  
Concen: 3.358 ng  
RT: 14.674 min Scan# 1953  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



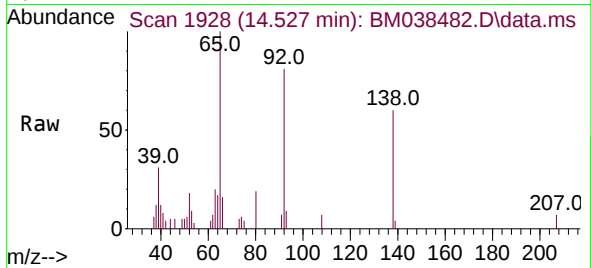
Tgt Ion:154 Resp: 22853  
Ion Ratio Lower Upper  
154 100  
153 113.3 93.8 140.6  
152 49.1 44.2 66.4





#53  
3-Nitroaniline  
Concen: 4.596 ng  
RT: 14.527 min Scan# 1928  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

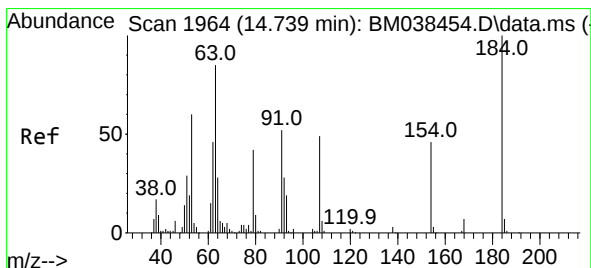
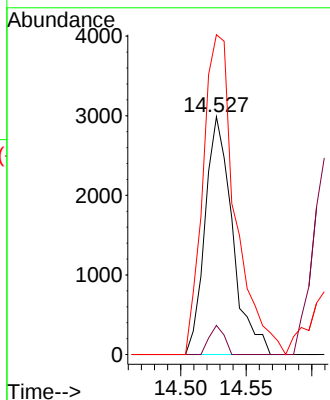
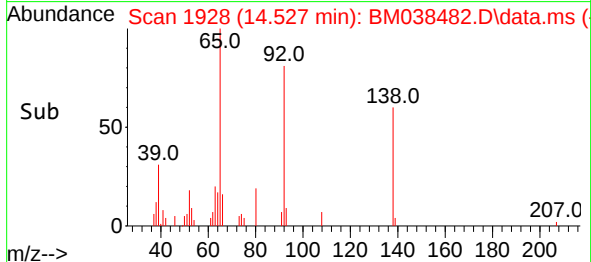
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:138 Resp: 434  
Ion Ratio Lower Upper  
138 100  
108 12.3 8.9 13.3  
92 134.5 106.4 159.6

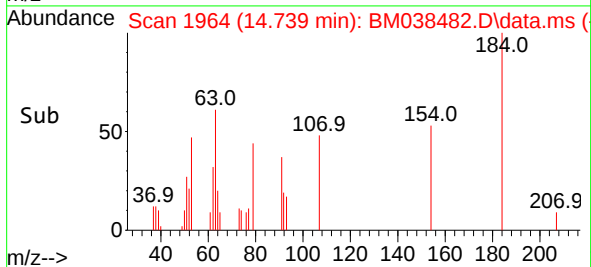
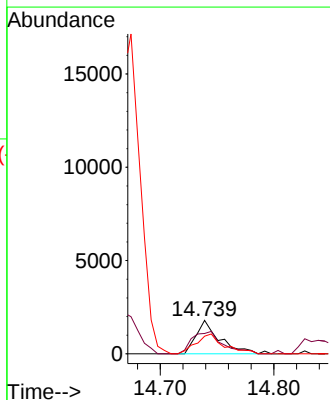
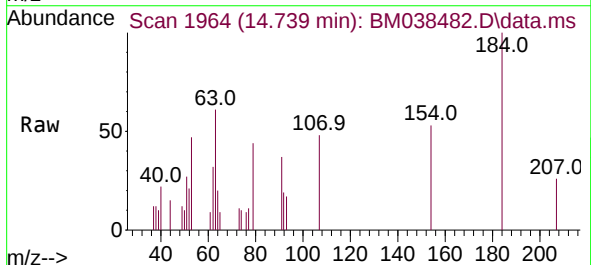
Manual Integrations  
APPROVED

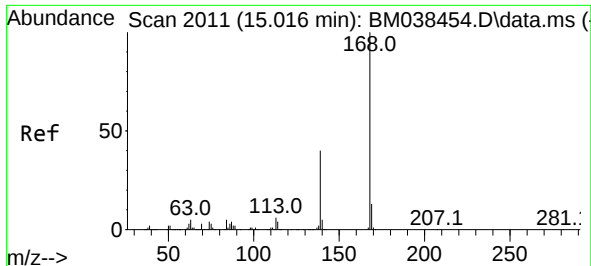
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#54  
2,4-Dinitrophenol  
Concen: 7.023 ng  
RT: 14.739 min Scan# 1964  
Delta R.T. 0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

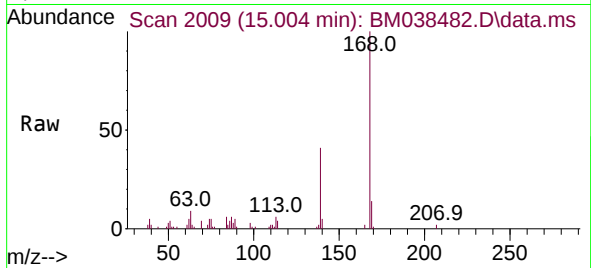
Tgt Ion:184 Resp: 2628  
Ion Ratio Lower Upper  
184 100  
63 60.9 70.0 105.0#  
154 52.8 55.6 83.4#





#55  
Dibenzenofuran  
Concen: 3.302 ng  
RT: 15.004 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

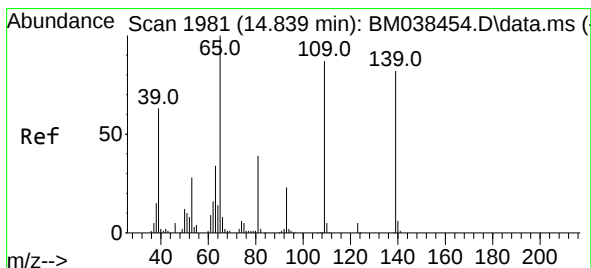
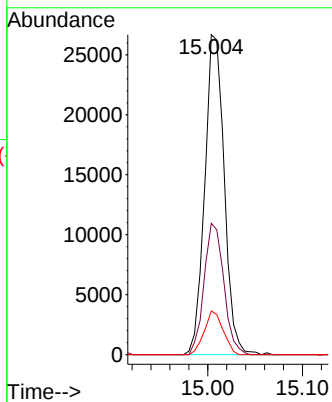
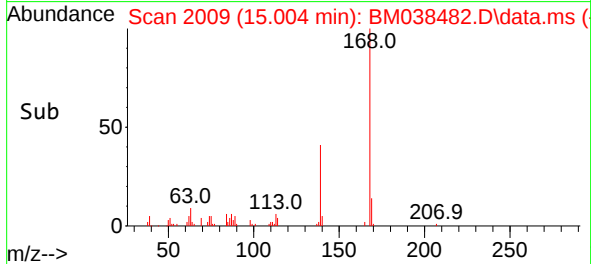
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:168 Resp: 38264  
Ion Ratio Lower Upper  
168 100  
139 41.0 31.9 47.9  
169 13.6 10.5 15.7

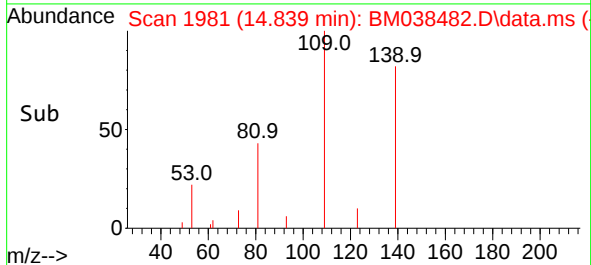
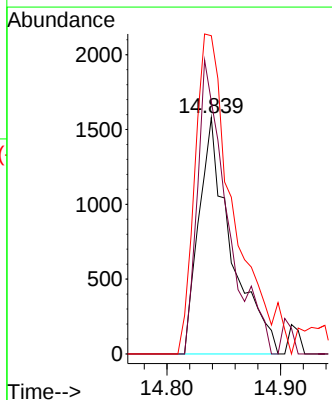
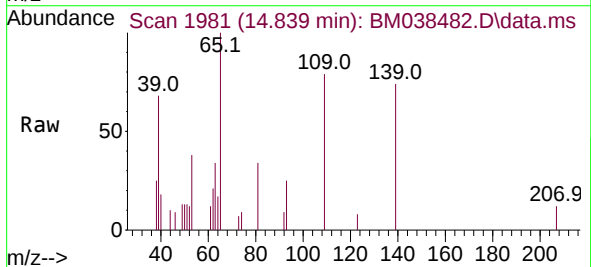
Manual Integrations  
APPROVED

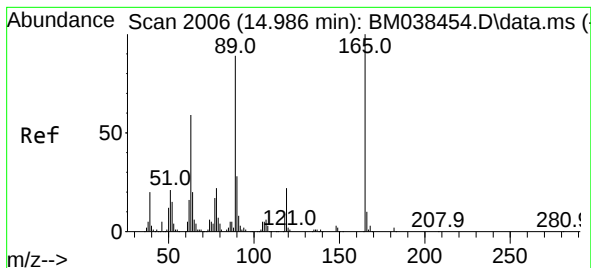
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#56  
4-Nitrophenol  
Concen: 5.648 ng  
RT: 14.839 min Scan# 1981  
Delta R.T. 0.012 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

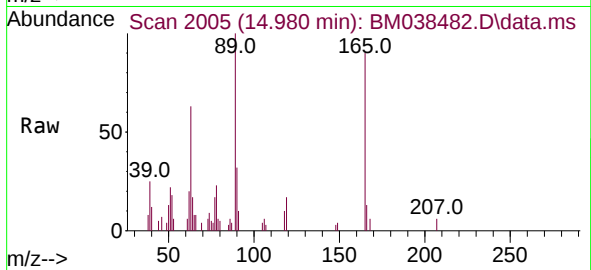
Tgt Ion:139 Resp: 3108  
Ion Ratio Lower Upper  
139 100  
109 106.8 86.0 126.0  
65 134.7 102.7 142.7





#57  
2,4-Dinitrotoluene  
Concen: 2.518 ng  
RT: 14.980 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

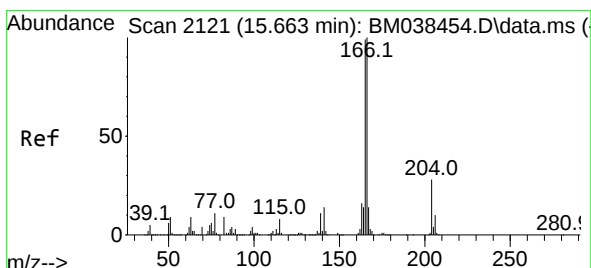
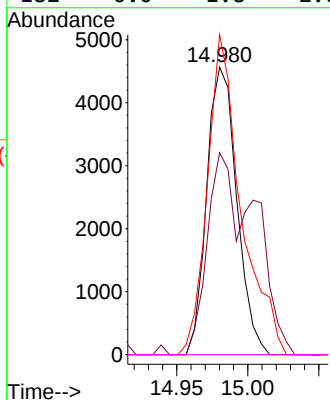
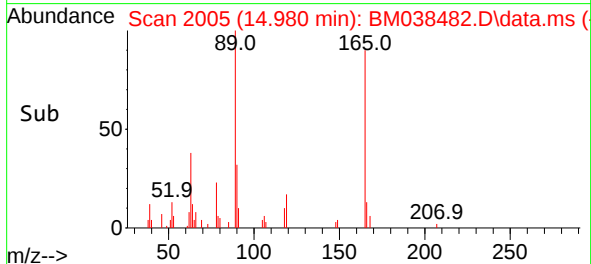
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:165 Resp: 6713  
Ion Ratio Lower Upper  
165 100  
63 70.3 47.7 71.5  
89 111.3 71.5 107.3  
182 0.0 1.8 2.6#

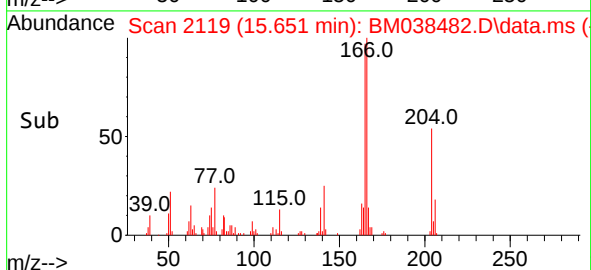
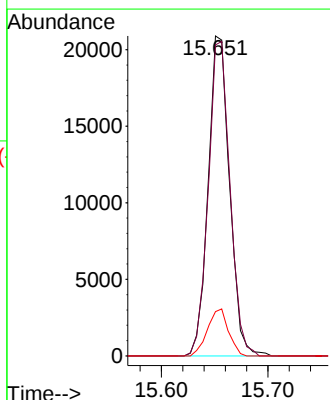
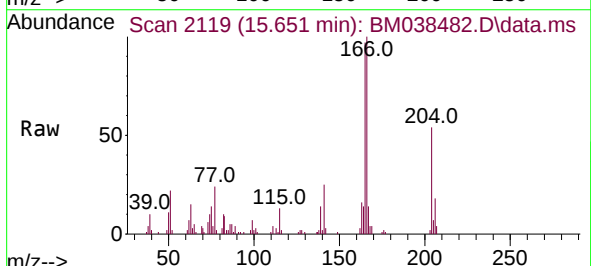
Manual Integrations  
APPROVED

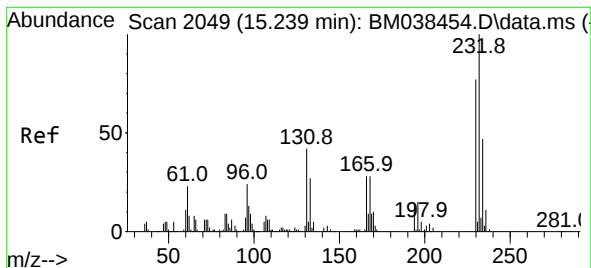
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#58  
Fluorene  
Concen: 3.018 ng  
RT: 15.651 min Scan# 2119  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

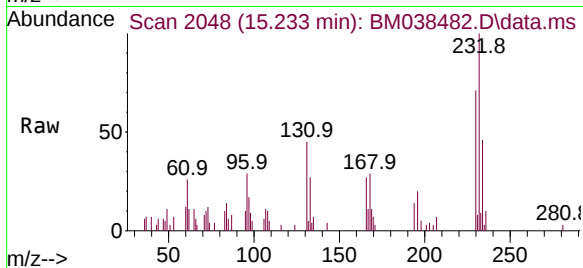
Tgt Ion:166 Resp: 29216  
Ion Ratio Lower Upper  
166 100  
165 97.2 79.2 118.8  
167 13.8 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 2.790 ng  
RT: 15.233 min Scan# 2049  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

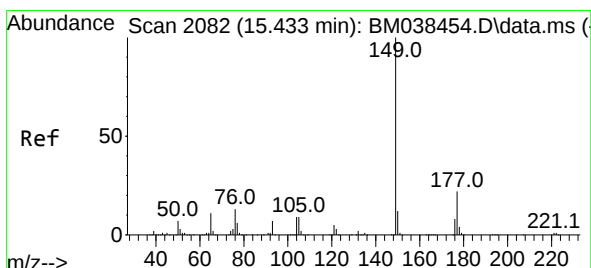
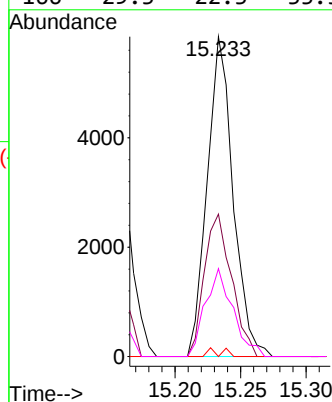
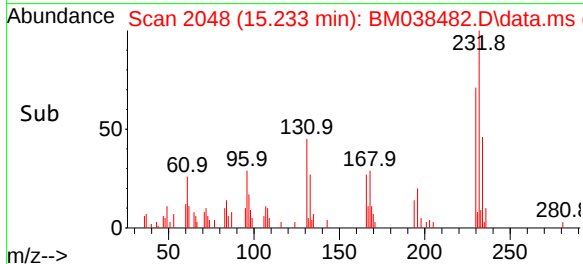
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



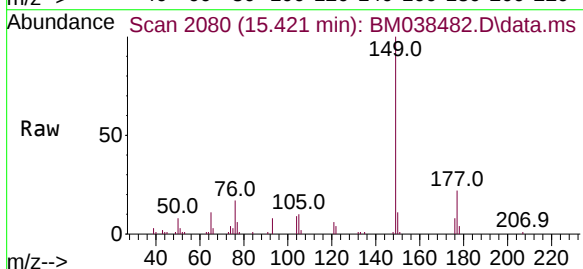
Tgt Ion:232 Resp: 802  
Ion Ratio Lower Upper  
232 100  
131 46.8 33.8 50.6  
130 1.4 1.9 2.9  
166 29.3 22.3 33.5

Manual Integrations  
APPROVED

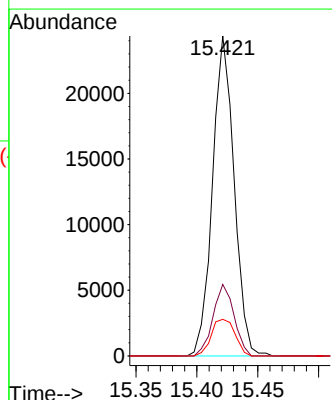
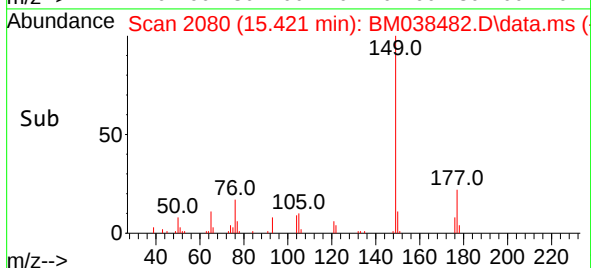
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

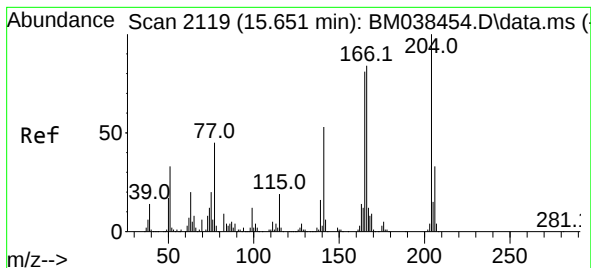


#60  
Diethylphthalate  
Concen: 3.108 ng  
RT: 15.421 min Scan# 2080  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



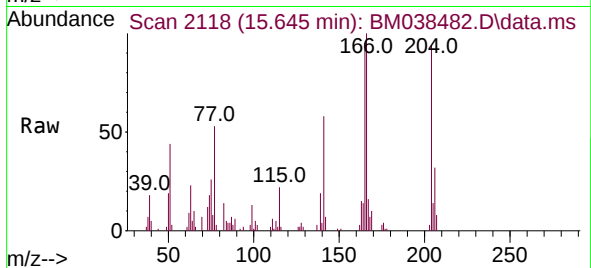
Tgt Ion:149 Resp: 30054  
Ion Ratio Lower Upper  
149 100  
177 22.3 17.8 26.6  
150 11.4 9.5 14.3





#61  
4-Chlorophenyl-phenylether  
Concen: 2.962 ng  
RT: 15.645 min Scan# 2118  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

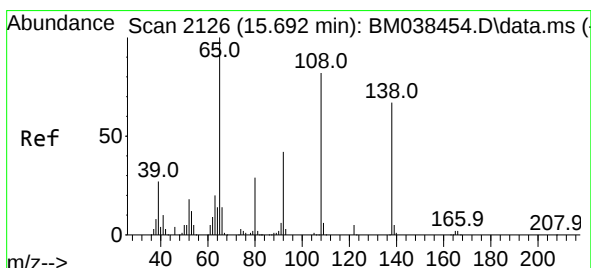
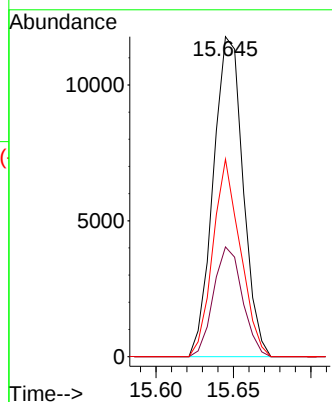
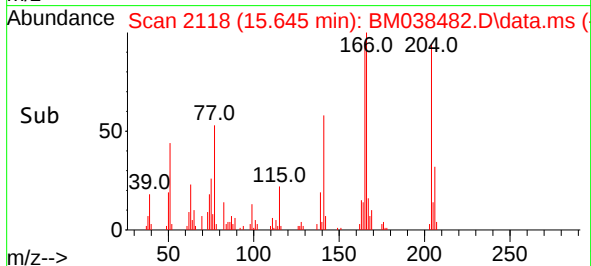
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



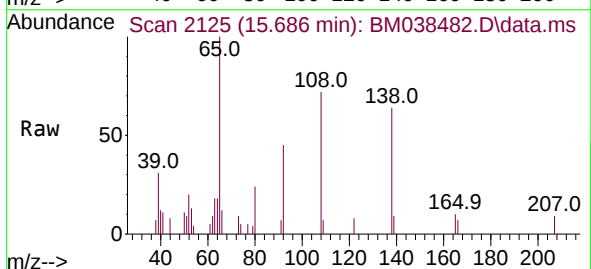
Tgt Ion:204 Resp: 15740  
Ion Ratio Lower Upper  
204 100  
206 34.3 26.2 39.4  
141 61.7 42.5 63.7

Manual Integrations  
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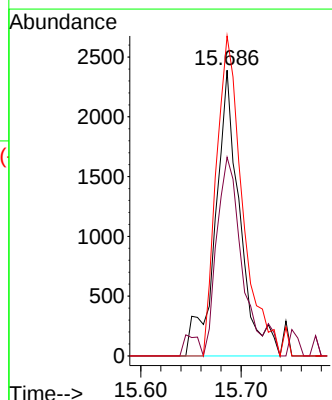
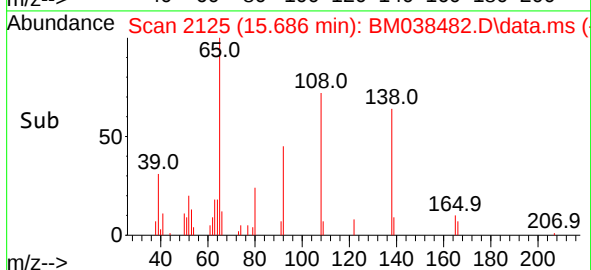
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

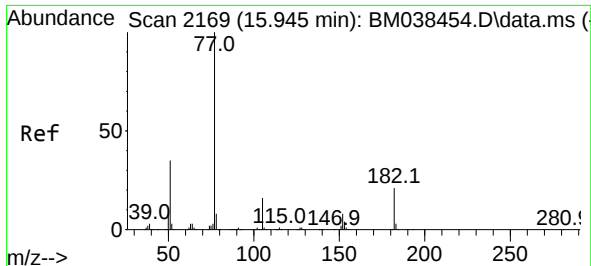


#62  
4-Nitroaniline  
Concen: 4.615 ng  
RT: 15.686 min Scan# 2125  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



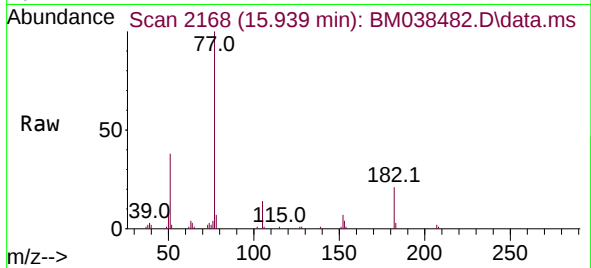
Tgt Ion:138 Resp: 4030  
Ion Ratio Lower Upper  
138 100  
92 69.5 42.1 82.1  
108 112.0 102.5 142.5





#63  
Azobenzene  
Concen: 3.321 ng  
RT: 15.939 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

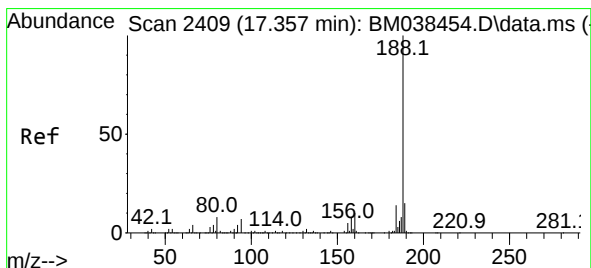
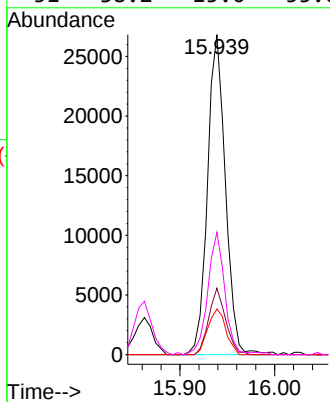
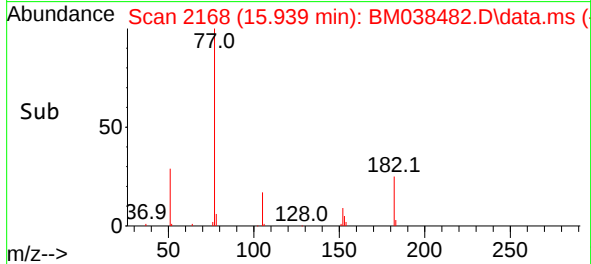
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



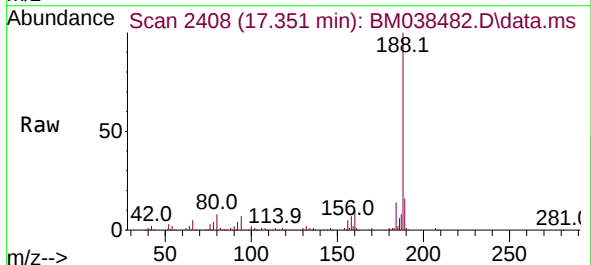
Tgt Ion: 77 Resp: 3534  
Ion Ratio Lower Upper  
77 100  
182 20.8 1.1 41.1  
105 14.2 0.0 36.4  
51 38.2 15.0 55.0

Manual Integrations  
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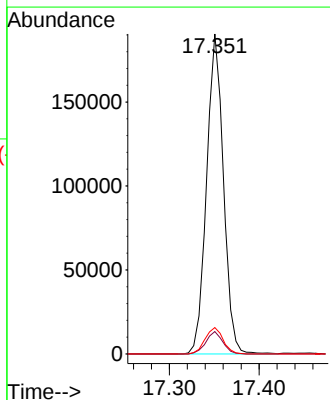
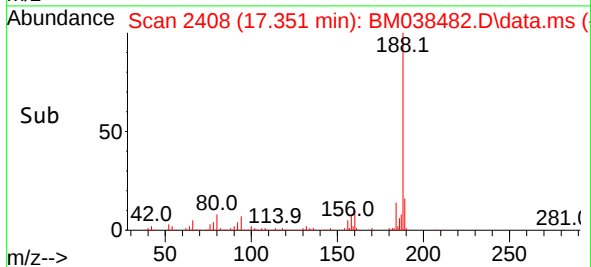
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

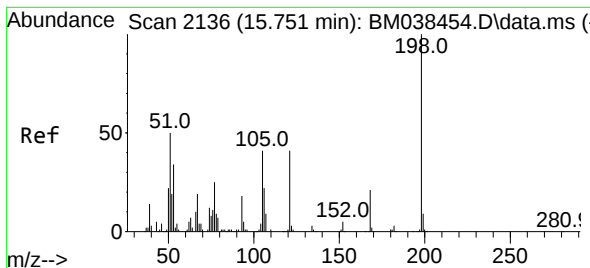


#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.351 min Scan# 2408  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



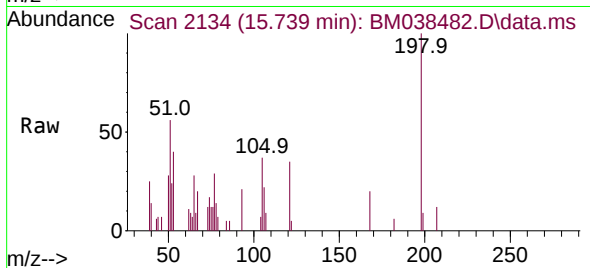
Tgt Ion:188 Resp: 248506  
Ion Ratio Lower Upper  
188 100  
94 7.0 5.4 8.0  
80 8.2 6.5 9.7





#65  
4,6-Dinitro-2-methylphenol  
Concen: 2.263 ng  
RT: 15.739 min Scan# 2136  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

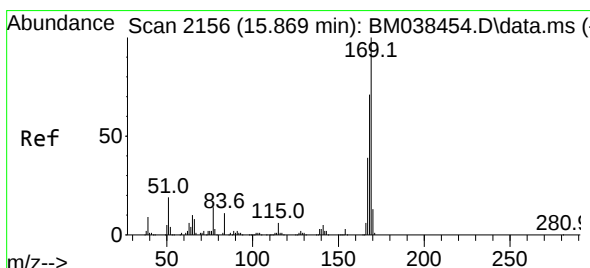
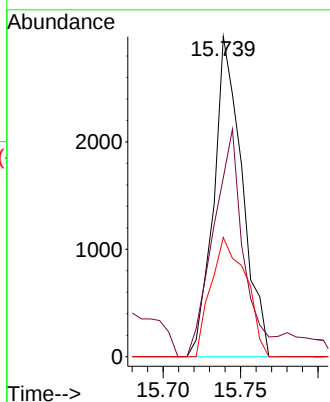
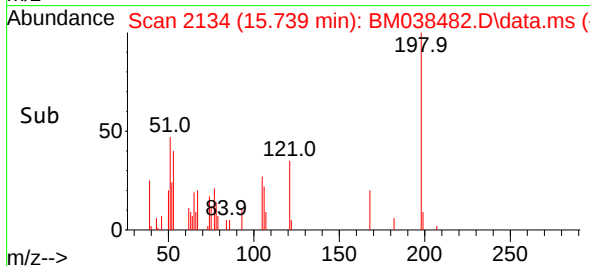
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



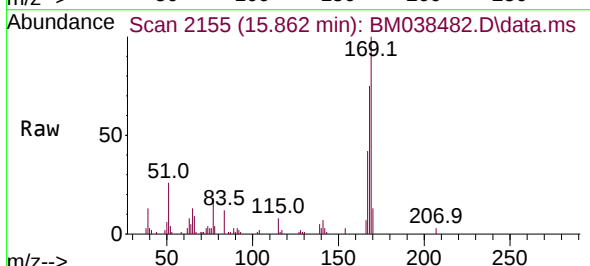
Tgt Ion:198 Resp: 3816  
Ion Ratio Lower Upper  
198 100  
51 55.9 31.6 71.6  
105 37.2 21.5 61.5

Manual Integrations  
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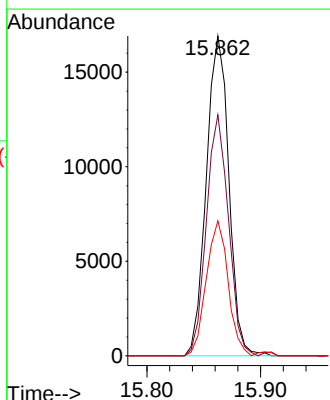
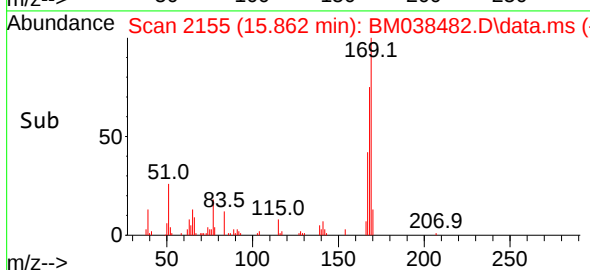
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

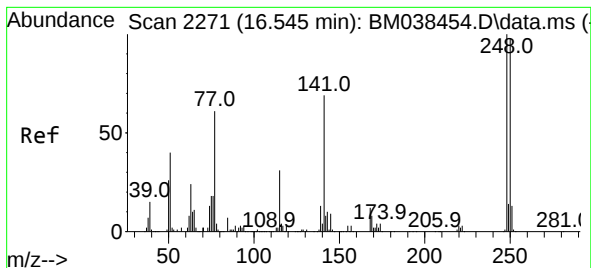


#66  
n-Nitrosodiphenylamine  
Concen: 3.202 ng  
RT: 15.862 min Scan# 2155  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



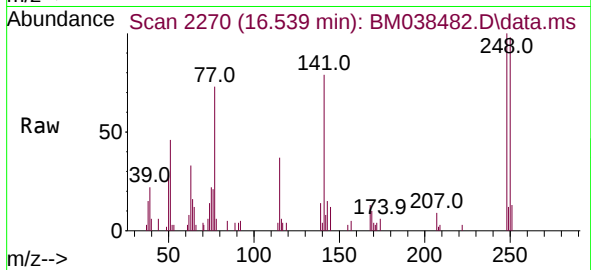
Tgt Ion:169 Resp: 23350  
Ion Ratio Lower Upper  
169 100  
168 75.3 56.6 85.0  
167 42.2 31.1 46.7





#67  
4-Bromophenyl-phenylether  
Concen: 3.101 ng  
RT: 16.539 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

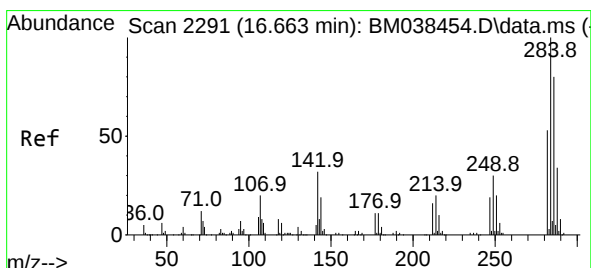
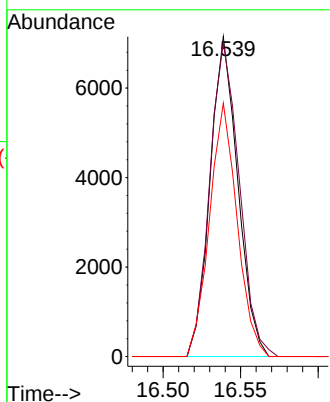
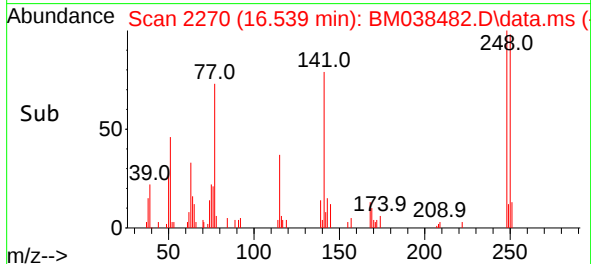
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



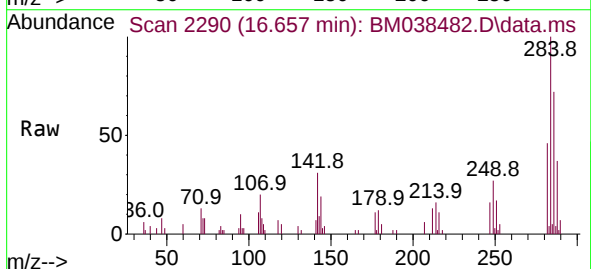
Tgt Ion:248 Resp: 8915  
Ion Ratio Lower Upper  
248 100  
250 98.3 78.3 117.5  
141 79.2 55.1 82.7

Manual Integrations  
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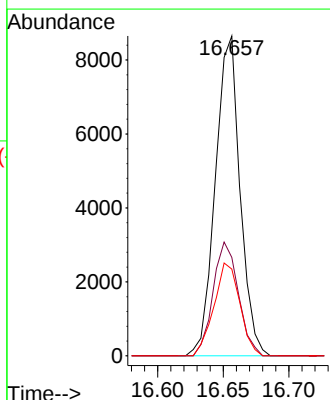
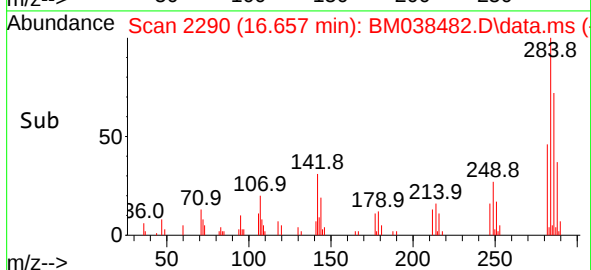
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023

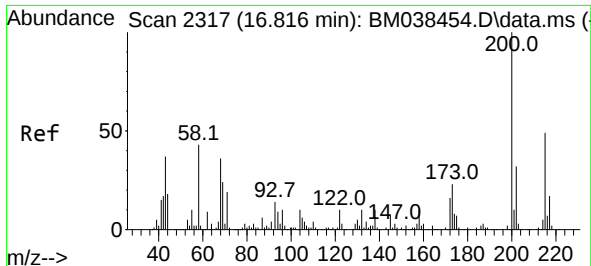


#68  
Hexachlorobenzene  
Concen: 3.525 ng  
RT: 16.657 min Scan# 2290  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25



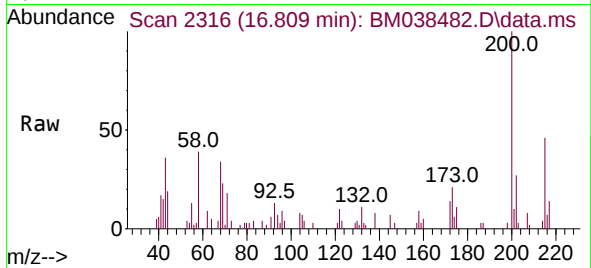
Tgt Ion:284 Resp: 11348  
Ion Ratio Lower Upper  
284 100  
142 30.8 26.0 39.0  
249 27.1 23.8 35.8





#69  
 Atrazine  
 Concen: 3.533 ng  
 RT: 16.809 min Scan# 2317  
 Delta R.T. 0.000 min  
 Lab File: BM038482.D  
 Acq: 18 Jan 2023 16:25

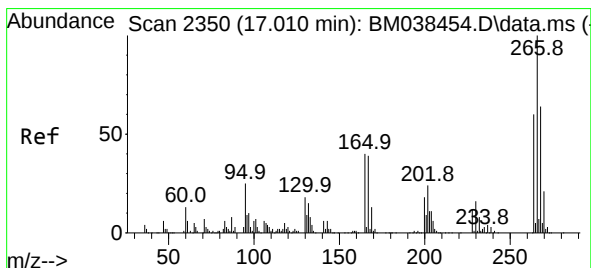
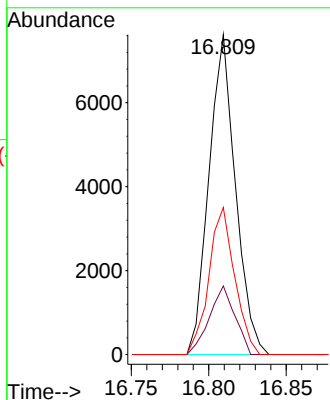
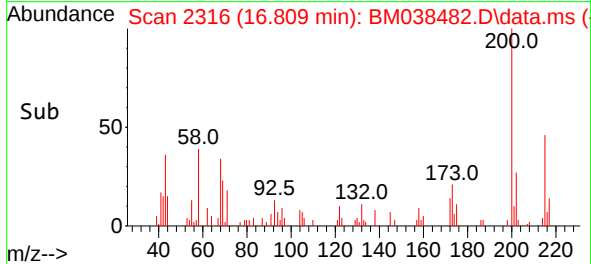
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022



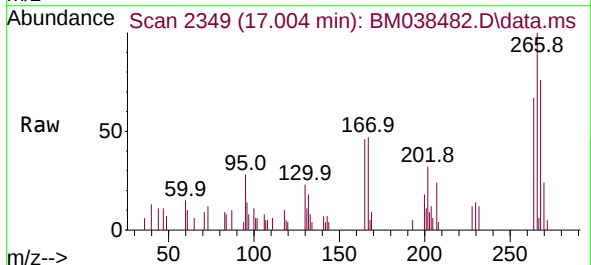
Tgt Ion:200 Resp: 911  
 Ion Ratio Lower Upper  
 200 100  
 173 21.5 3.4 43.4  
 215 46.0 29.3 69.3

Manual Integrations  
 APPROVED

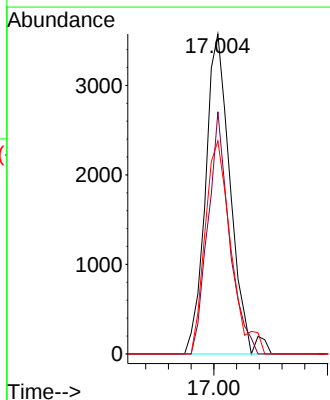
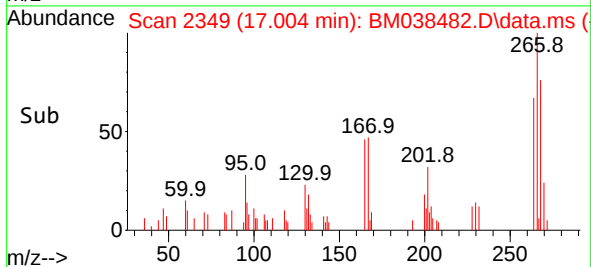
Reviewed By :Christian Giraldo 01/19/2023  
 Supervised By :Jagrut Upadhyay 01/19/2023

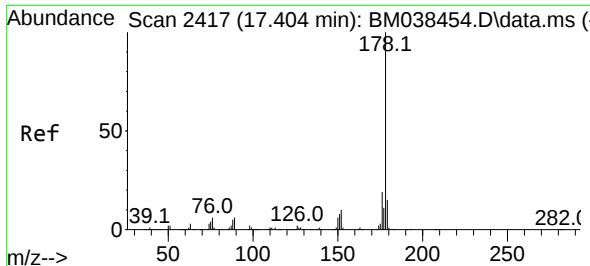


#70  
 Pentachlorophenol  
 Concen: 2.314 ng  
 RT: 17.004 min Scan# 2349  
 Delta R.T. 0.006 min  
 Lab File: BM038482.D  
 Acq: 18 Jan 2023 16:25



Tgt Ion:266 Resp: 5437  
 Ion Ratio Lower Upper  
 266 100  
 268 75.7 51.4 77.0  
 264 66.6 48.2 72.2





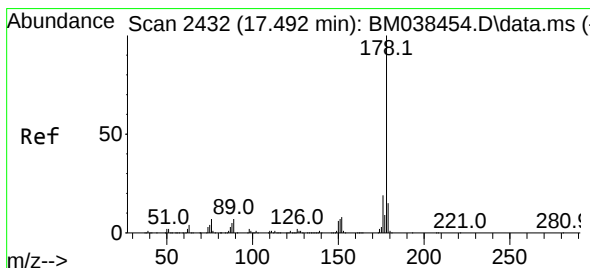
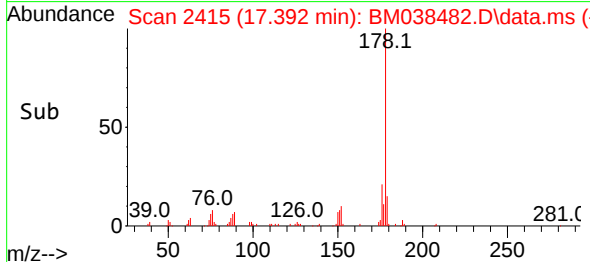
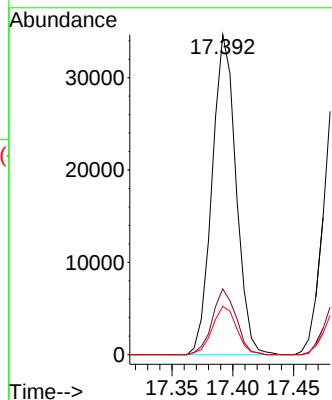
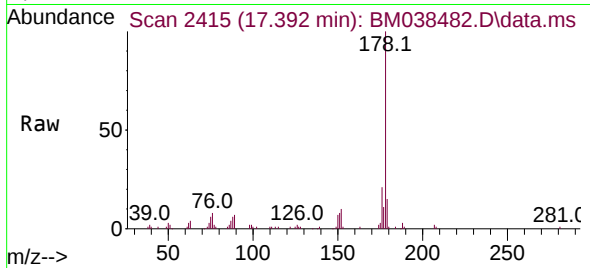
#71  
Phenanthrene  
Concen: 3.443 ng  
RT: 17.392 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:178 Resp: 47330  
Ion Ratio Lower Upper  
178 100  
176 20.5 15.4 23.0  
179 15.1 12.1 18.1

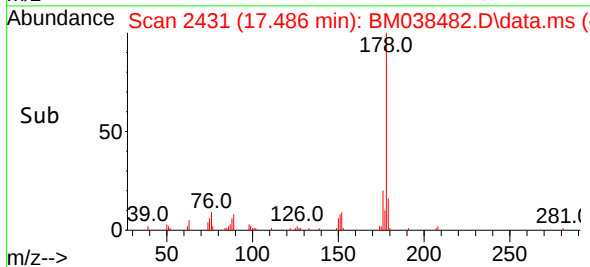
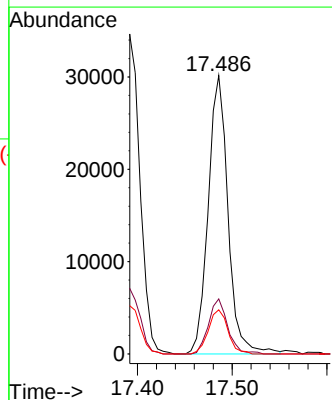
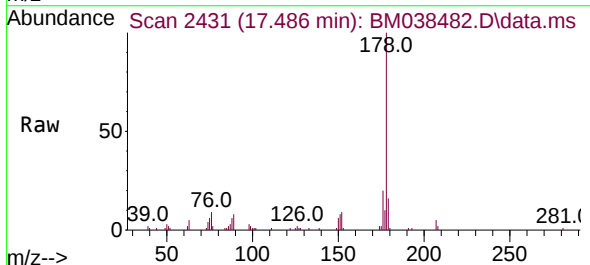
Manual Integrations  
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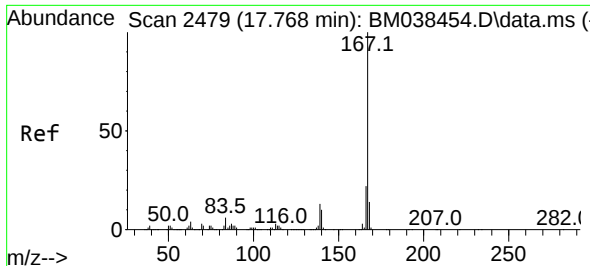
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#72  
Anthracene  
Concen: 3.107 ng  
RT: 17.486 min Scan# 2431  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

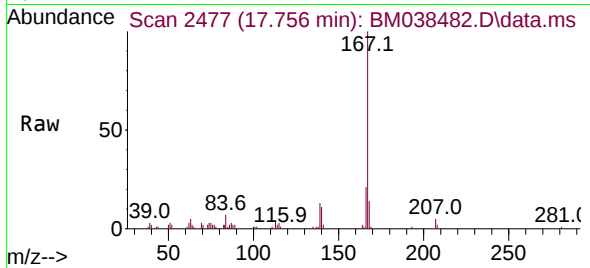
Tgt Ion:178 Resp: 43907  
Ion Ratio Lower Upper  
178 100  
176 19.8 15.0 22.6  
179 15.8 12.2 18.2





#73  
 Carbazole  
 Concen: 3.062 ng  
 RT: 17.756 min Scan# 2479  
 Delta R.T. 0.000 min  
 Lab File: BM038482.D  
 Acq: 18 Jan 2023 16:25

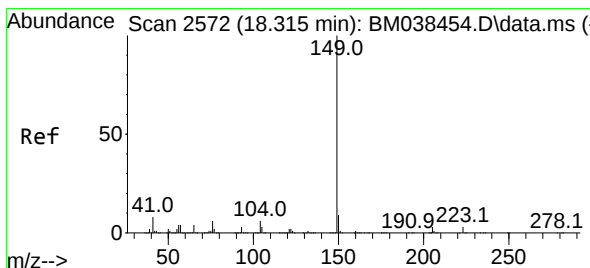
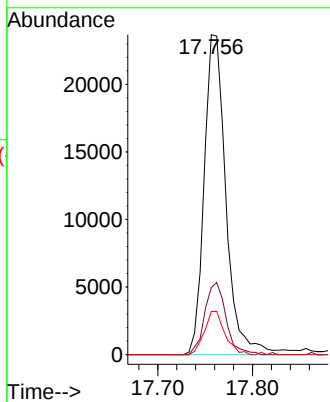
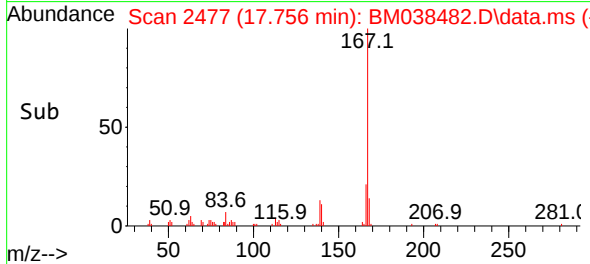
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022



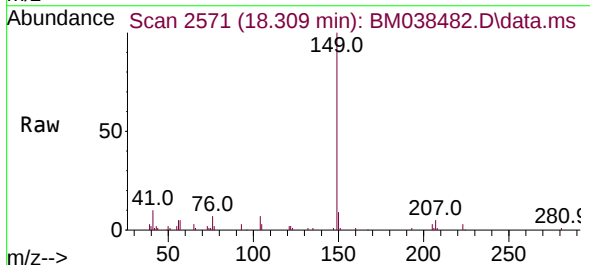
Tgt Ion:167 Resp: 37835  
 Ion Ratio Lower Upper  
 167 100  
 166 21.0 17.4 26.0  
 139 13.5 10.1 15.1

Manual Integrations  
 APPROVED

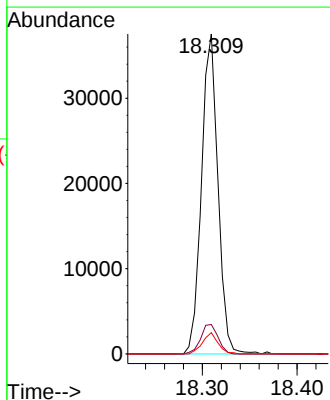
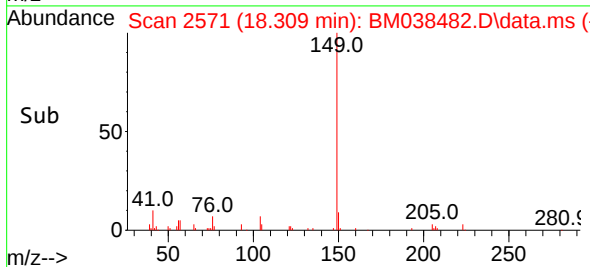
Reviewed By :Christian Giraldo 01/19/2023  
 Supervised By :Jagrut Upadhyay 01/19/2023

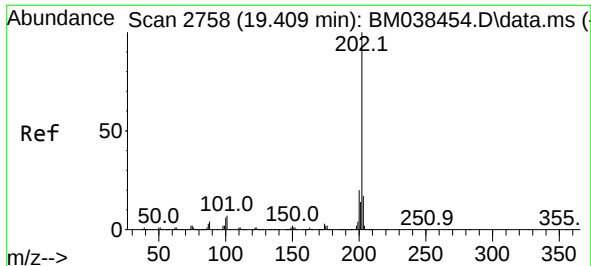


#74  
 Di-n-butylphthalate  
 Concen: 3.089 ng  
 RT: 18.309 min Scan# 2571  
 Delta R.T. 0.000 min  
 Lab File: BM038482.D  
 Acq: 18 Jan 2023 16:25



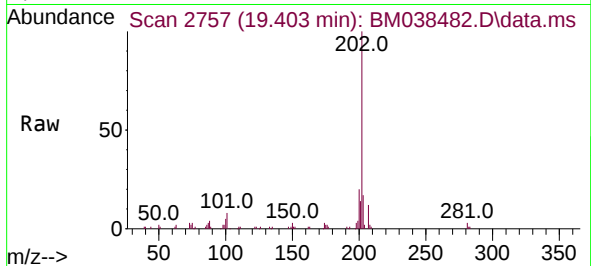
Tgt Ion:149 Resp: 45337  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.4 11.2  
 104 6.6 4.7 7.1





#75  
Fluoranthene  
Concen: 2.920 ng  
RT: 19.403 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

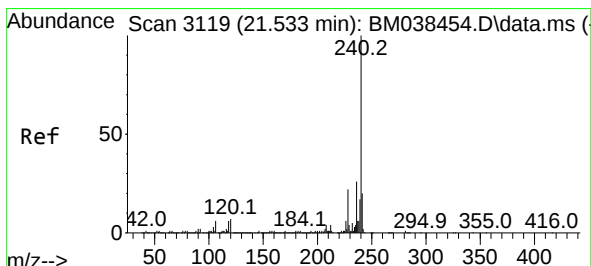
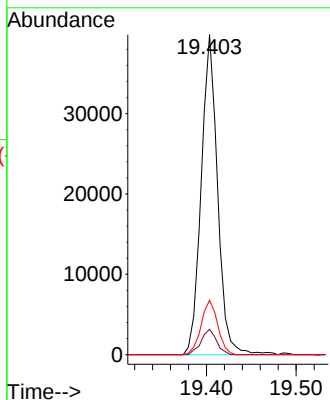
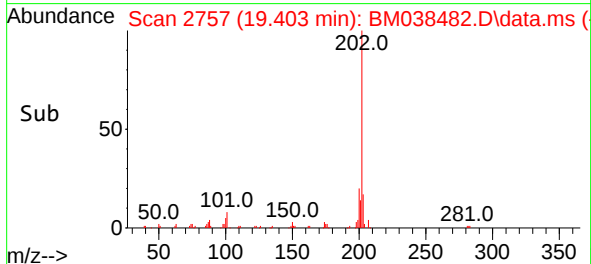
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022



Tgt Ion:202 Resp: 50463  
Ion Ratio Lower Upper  
202 100  
101 7.9 0.0 27.4  
203 17.0 0.0 37.1

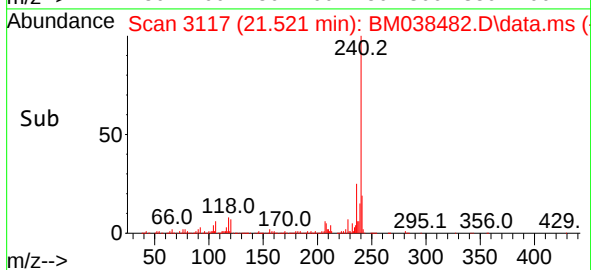
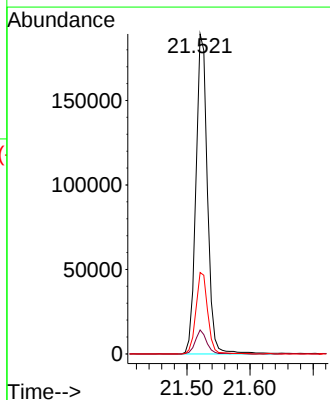
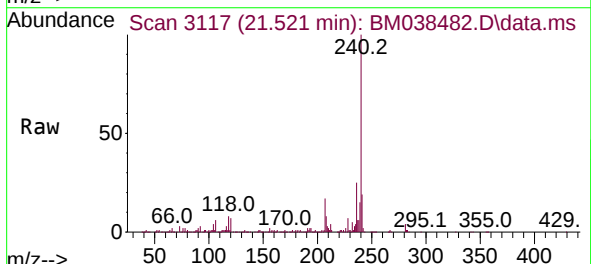
Manual Integrations  
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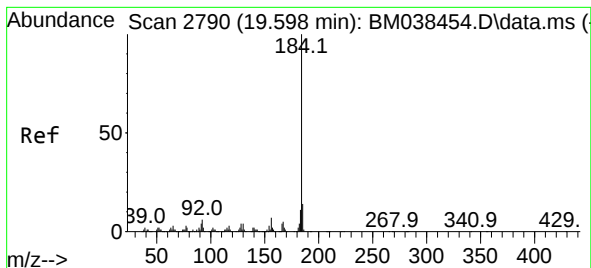
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.521 min Scan# 3117  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:240 Resp: 240139  
Ion Ratio Lower Upper  
240 100  
120 7.5 5.6 8.4  
236 25.4 21.0 31.4





#77

Benzidine

Concen: 3.243 ng m

RT: 19.597 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM038482.D

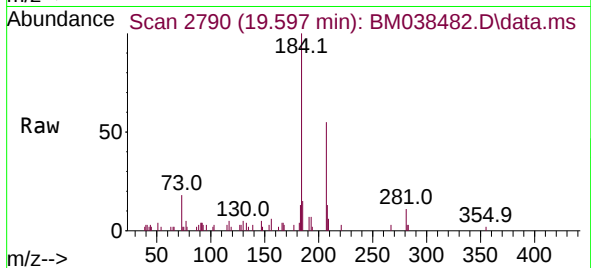
Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022



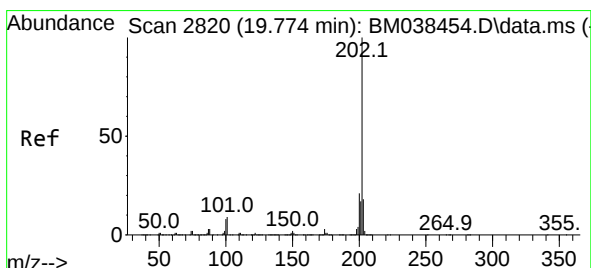
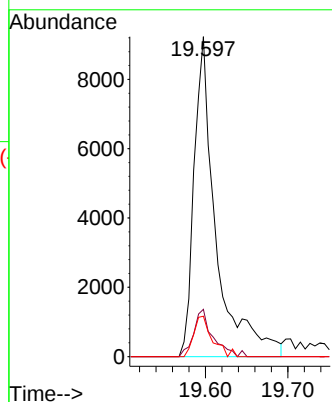
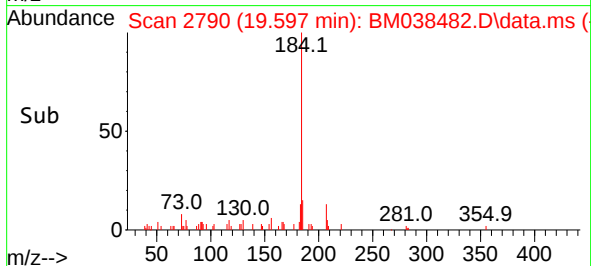
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 17066 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 185       | 14.8  | 11.1  | 16.7  |
| 183       | 12.6  | 8.6   | 13.0  |

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#78

Pyrene

Concen: 3.347 ng

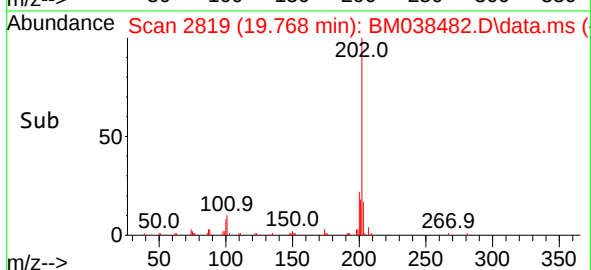
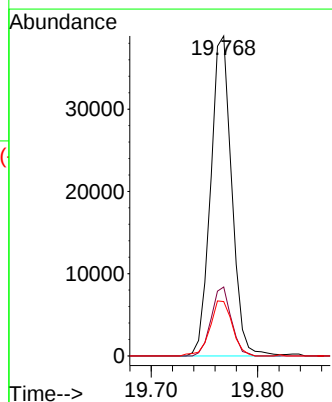
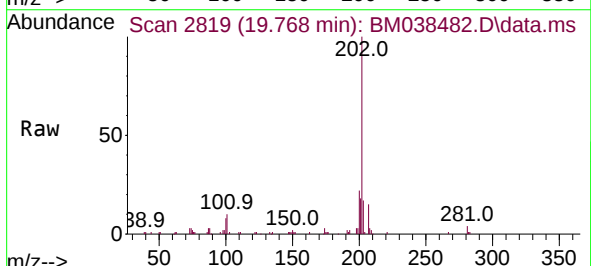
RT: 19.768 min Scan# 2819

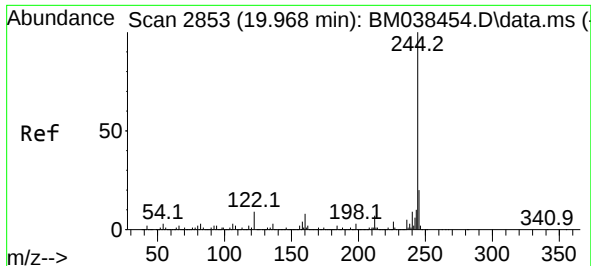
Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

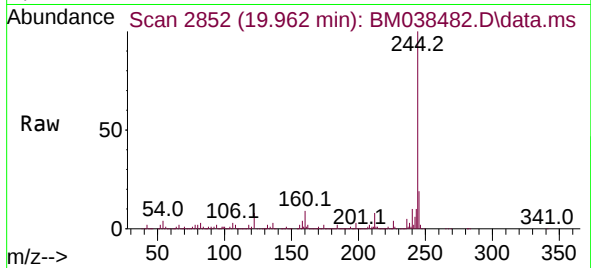
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 53485 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 200       | 21.5  | 16.9  | 25.3  |
| 203       | 17.0  | 14.2  | 21.2  |





#79  
 Terphenyl-d14  
 Concen: 90.929 ng  
 RT: 19.962 min Scan# 2852  
 Delta R.T. 0.000 min  
 Lab File: BM038482.D  
 Acq: 18 Jan 2023 16:25

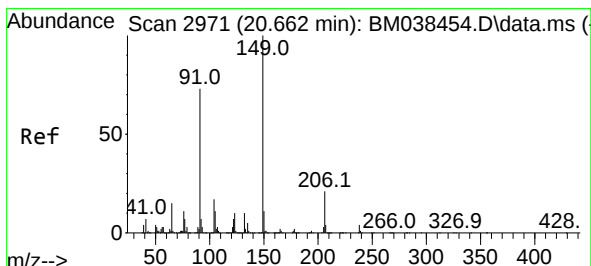
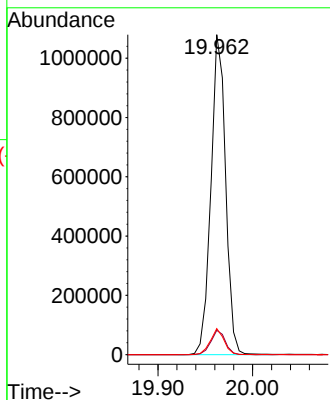
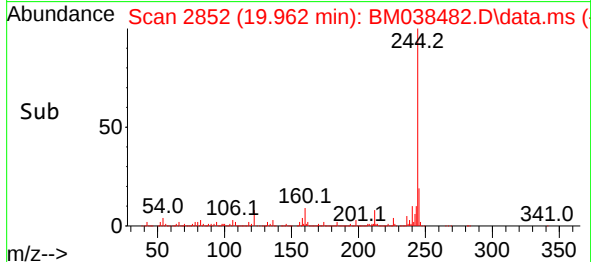
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2022



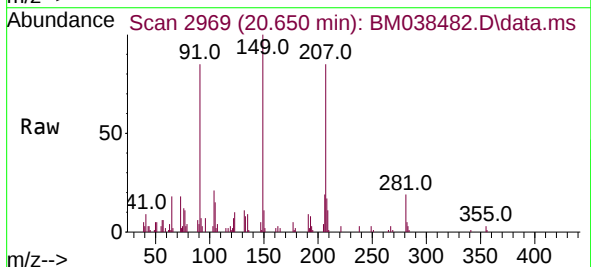
Tgt Ion:244 Resp: 1166416  
 Ion Ratio Lower Upper  
 244 100  
 212 7.6 5.8 8.8  
 122 8.1 7.1 10.7

Manual Integrations  
 APPROVED

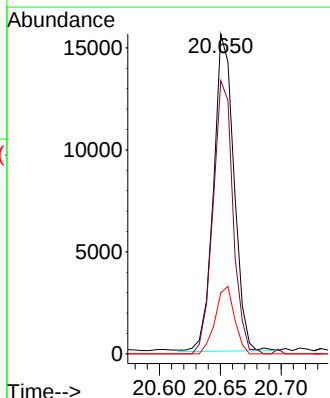
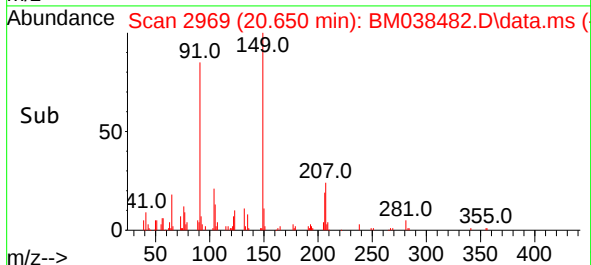
Reviewed By :Christian Giraldo 01/19/2023  
 Supervised By :Jagrut Upadhyay 01/19/2023

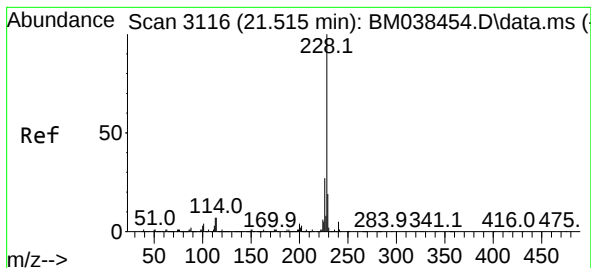


#80  
 Butylbenzylphthalate  
 Concen: 3.096 ng  
 RT: 20.650 min Scan# 2969  
 Delta R.T. -0.006 min  
 Lab File: BM038482.D  
 Acq: 18 Jan 2023 16:25



Tgt Ion:149 Resp: 18084  
 Ion Ratio Lower Upper  
 149 100  
 91 85.4 58.3 87.5  
 206 19.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 3.355 ng

RT: 21.509 min Scan# 3116

Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

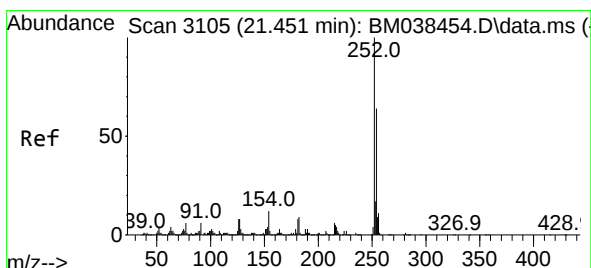
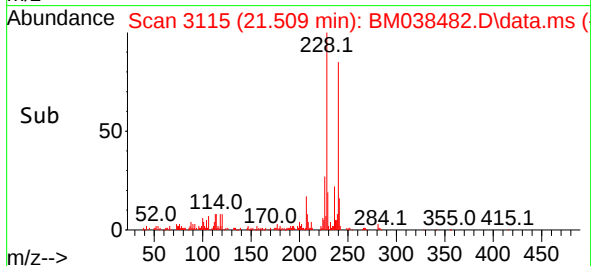
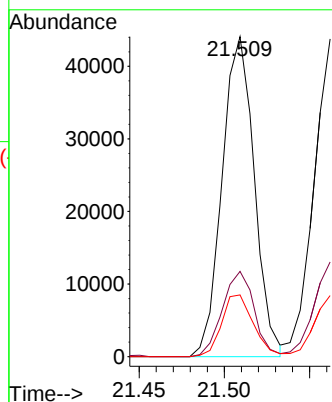
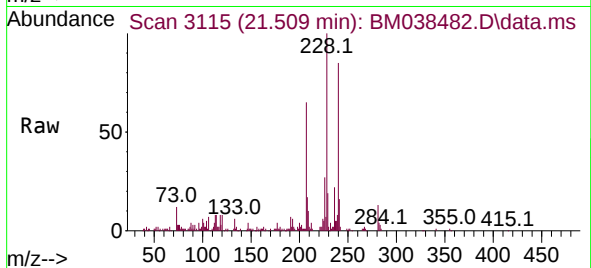
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 228   | Resp: | 5794 |
| Ion Ratio | Lower | Upper |      |
| 228       | 100   |       |      |
| 226       | 26.6  | 22.0  | 33.0 |
| 229       | 19.3  | 15.4  | 23.0 |

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#82

3,3'-Dichlorobenzidine

Concen: 3.569 ng

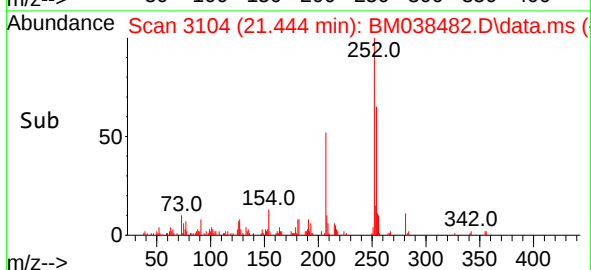
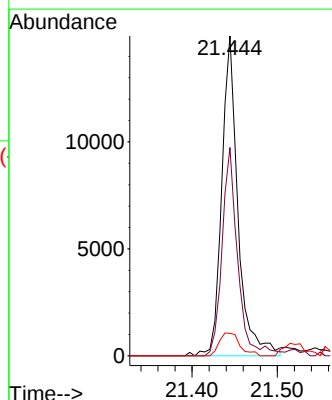
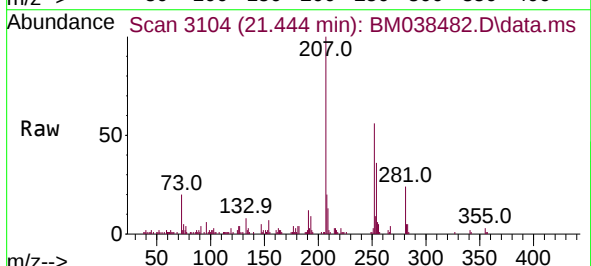
RT: 21.444 min Scan# 3104

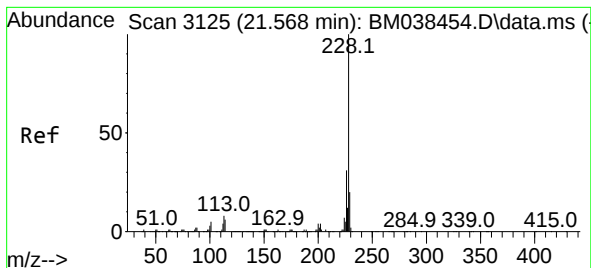
Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 19850 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 65.1  | 51.2  | 76.8  |
| 126       | 7.0   | 6.3   | 9.5   |





#83

Chrysene

Concen: 3.326 ng

RT: 21.562 min Scan# 3125

Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

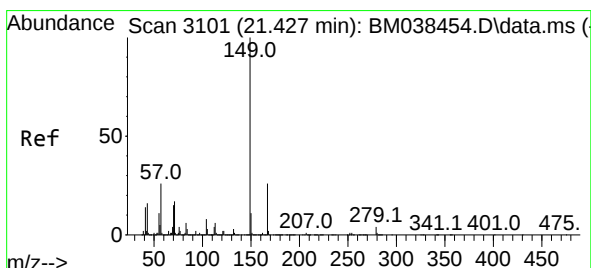
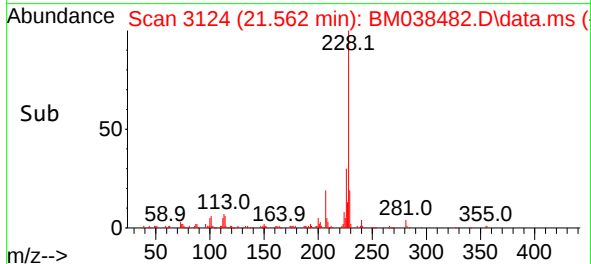
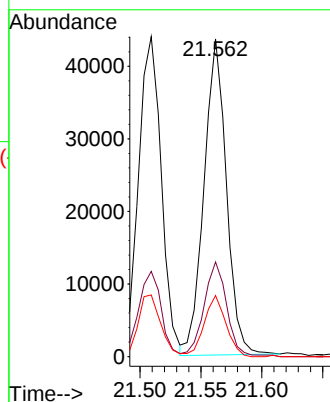
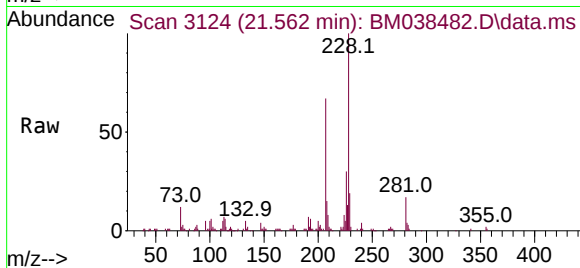
LOD-MDL-SOIL-01-QT3-2022

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 228   | Resp: | 55829 |
| Ion Ratio | Lower | Upper |       |
| 228       | 100   |       |       |
| 226       | 29.8  | 24.6  | 36.8  |
| 229       | 19.2  | 16.1  | 24.1  |

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.025 ng

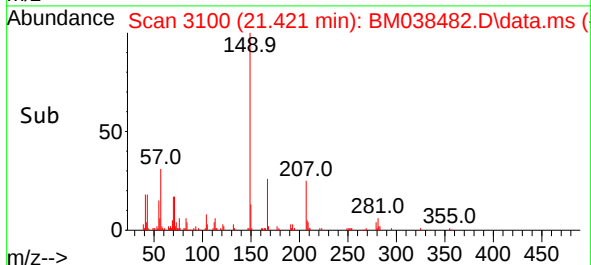
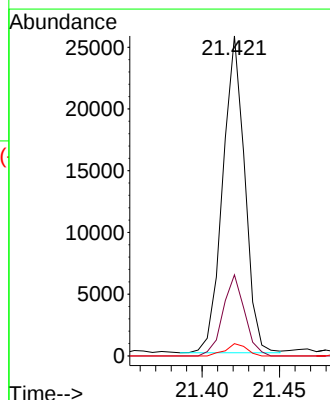
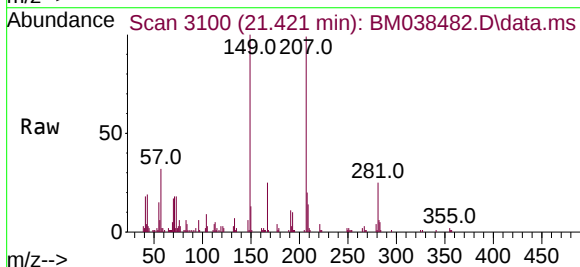
RT: 21.421 min Scan# 3100

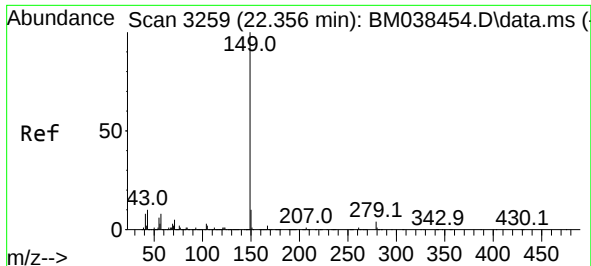
Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 149   | Resp: | 25405 |
| Ion Ratio | Lower | Upper |       |
| 149       | 100   |       |       |
| 167       | 25.3  | 21.0  | 31.4  |
| 279       | 3.8   | 3.4   | 5.0   |





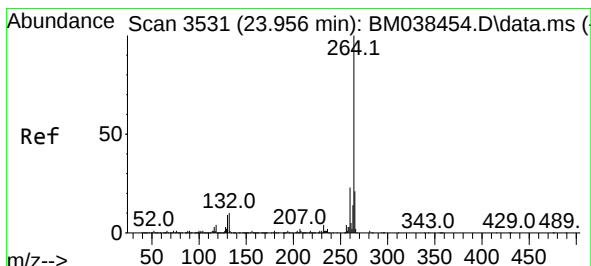
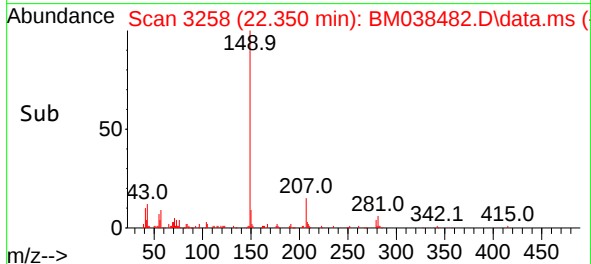
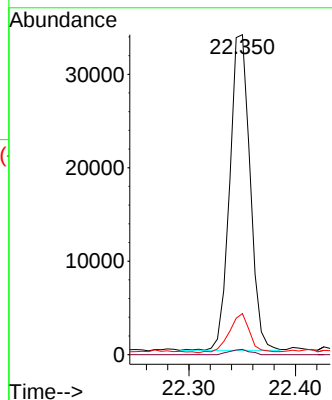
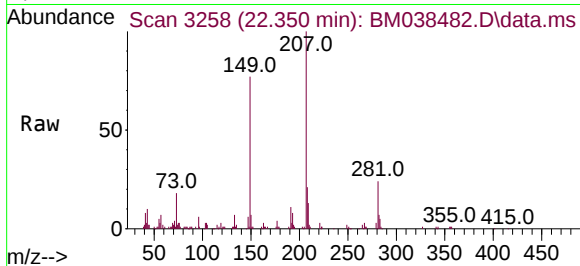
#85  
Di-n-octyl phthalate  
Concen: 3.036 ng  
RT: 22.350 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:149 Resp: 44864  
Ion Ratio Lower Upper  
149 100  
167 1.6 1.3 1.9  
43 12.7 8.4 12.6

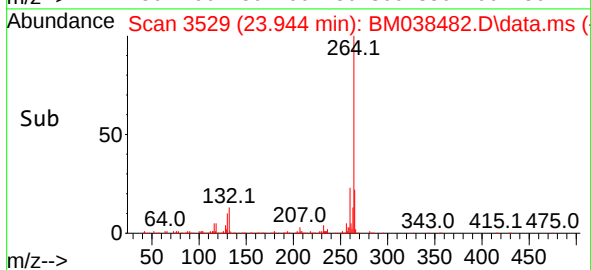
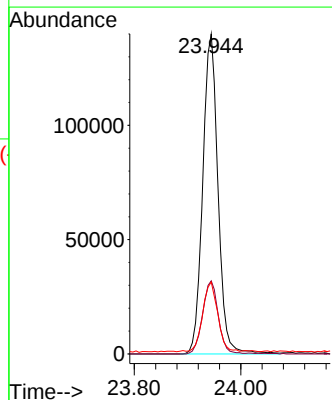
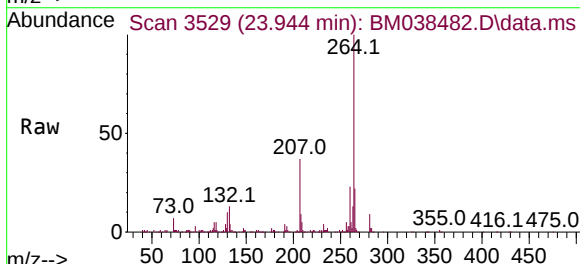
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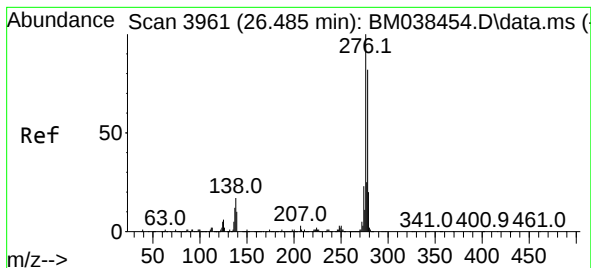
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.944 min Scan# 3529  
Delta R.T. 0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:264 Resp: 278092  
Ion Ratio Lower Upper  
264 100  
260 22.9 18.2 27.4  
265 22.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.128 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.012 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

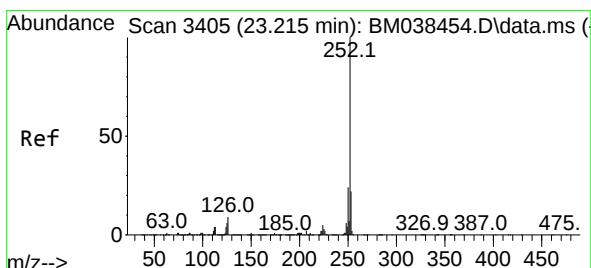
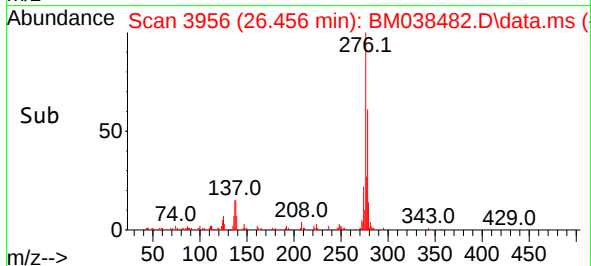
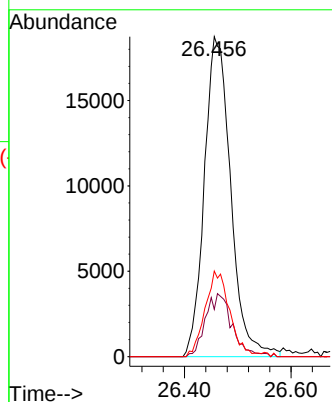
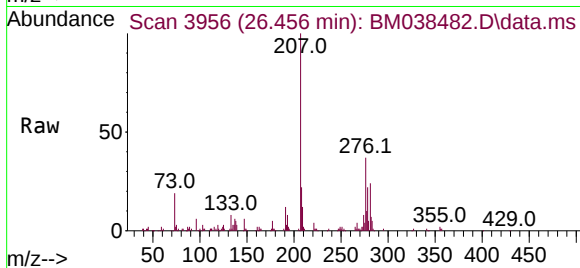
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 64375 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 19.8  | 13.4  | 20.2  |
| 277       | 24.8  | 19.8  | 29.8  |

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Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#88

Benzo(b)fluoranthene

Concen: 3.385 ng

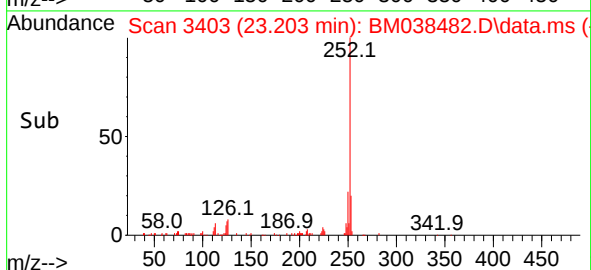
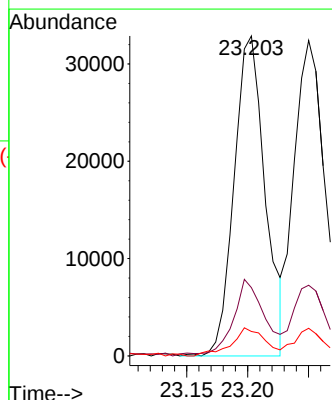
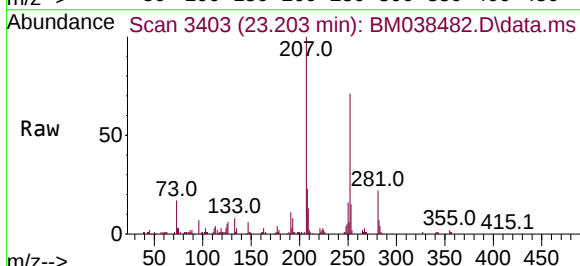
RT: 23.203 min Scan# 3403

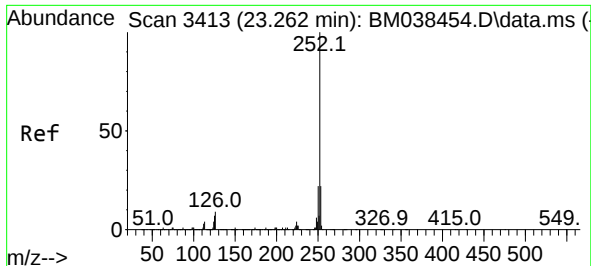
Delta R.T. 0.000 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 58365 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.3  | 17.8  | 26.6  |
| 125       | 7.6   | 5.1   | 7.7   |





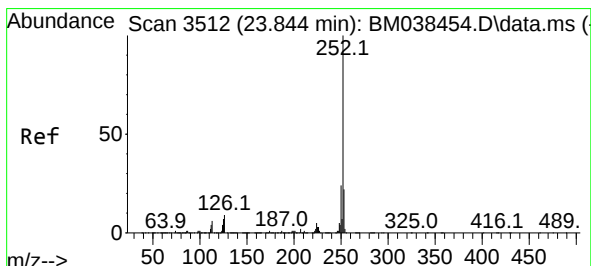
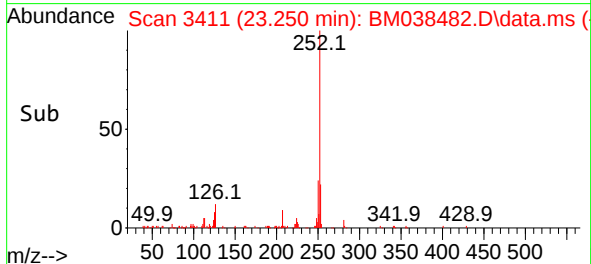
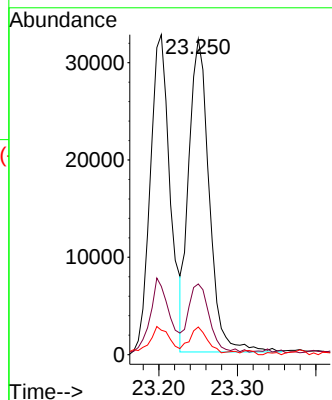
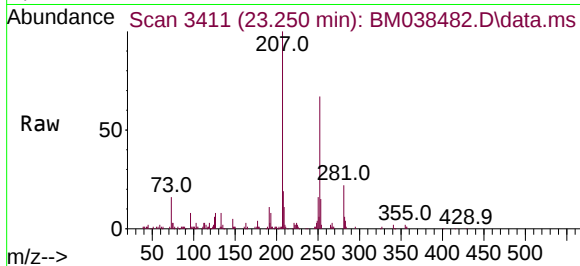
#89  
Benzo(k)fluoranthene  
Concen: 3.260 ng m  
RT: 23.250 min Scan# 3413  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Instrument : BNA\_M  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2022

Tgt Ion:252 Resp: 5813  
Ion Ratio Lower Upper  
252 100  
253 22.4 17.6 26.4  
125 8.8 5.5 8.3

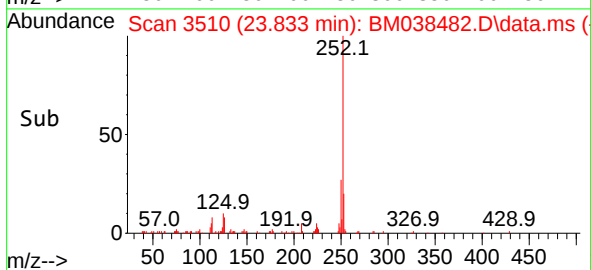
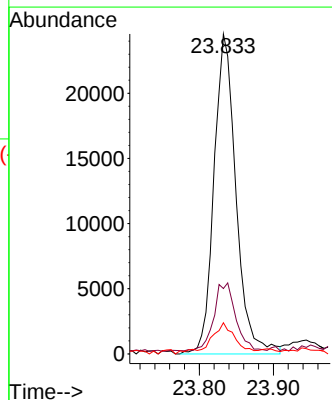
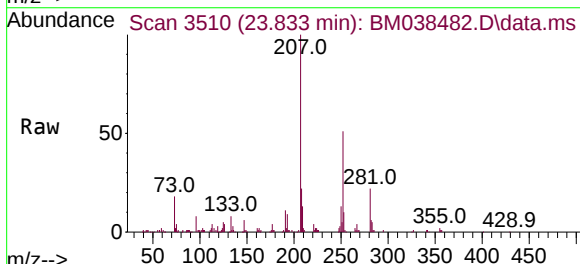
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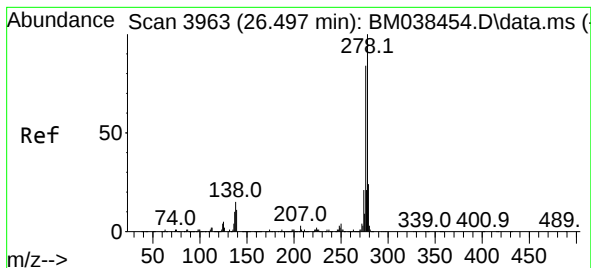
Reviewed By :Christian Giraldo 01/19/2023  
Supervised By :Jagrut Upadhyay 01/19/2023



#90  
Benzo(a)pyrene  
Concen: 2.998 ng  
RT: 23.833 min Scan# 3510  
Delta R.T. -0.006 min  
Lab File: BM038482.D  
Acq: 18 Jan 2023 16:25

Tgt Ion:252 Resp: 50727  
Ion Ratio Lower Upper  
252 100  
253 20.4 17.6 26.4  
125 9.7 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 3.319 ng

RT: 26.474 min Scan# 3963

Delta R.T. -0.006 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2022

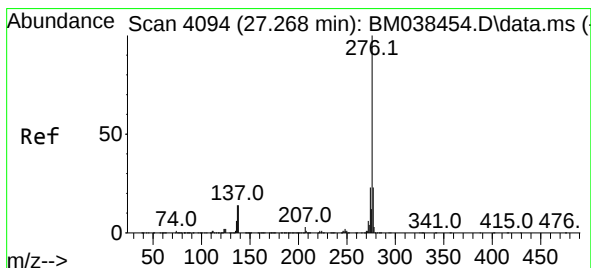
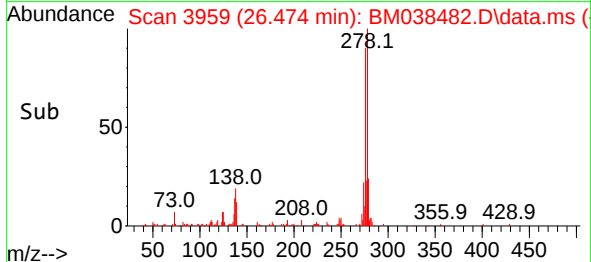
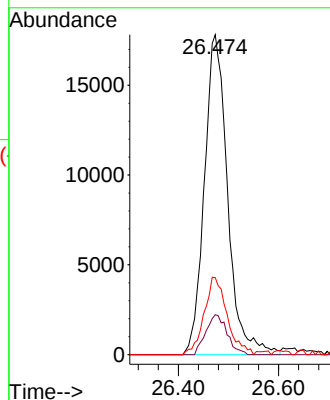
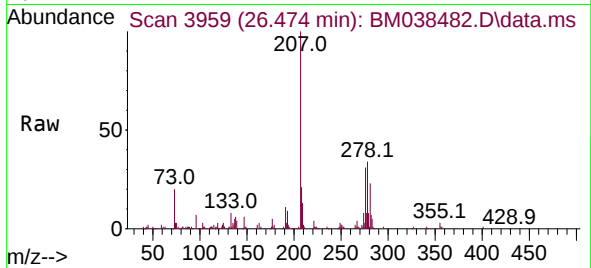
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 278   | Resp: | 5732 |
| Ion Ratio | Lower | Upper |      |
| 278       | 100   |       |      |
| 139       | 12.5  | 8.4   | 12.6 |
| 279       | 24.1  | 19.0  | 28.6 |

Manual Integrations

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Reviewed By :Christian Giraldo 01/19/2023

Supervised By :Jagrut Upadhyay 01/19/2023



#92

Benzo(g,h,i)perylene

Concen: 3.330 ng

RT: 27.238 min Scan# 4089

Delta R.T. -0.012 min

Lab File: BM038482.D

Acq: 18 Jan 2023 16:25

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 57054 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 277       | 26.2  | 18.6  | 27.8  |
| 138       | 13.6  | 11.3  | 16.9  |

