

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM012323\  
 Data File : BM038515.D  
 Acq On : 23 Jan 2023 19:03  
 Operator : CG/JU  
 Sample : N4955-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

Quant Time: Jan 24 05:16:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM012023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 21 01:21:49 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/24/2023  
 Supervised By : Jagrut Upadhyay 01/24/2023

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.969  | 152  | 50182    | 20.000  | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.775 | 136  | 163211   | 20.000  | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.598 | 164  | 103607   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.339 | 188  | 238082   | 20.000  | ng    | 0.00     |
| 76) Chrysene-d12              | 21.515 | 240  | 265619   | 20.000  | ng    | 0.00     |
| 86) Perylene-d12              | 23.927 | 264  | 339332   | 20.000  | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.516  | 112  | 265090   | 87.328  | ng    | 0.00     |
| 7) Phenol-d6                  | 7.128  | 99   | 453410   | 117.068 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.139  | 82   | 290889   | 77.396  | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.086 | 330  | 202799   | 135.927 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.227 | 172  | 652219   | 77.545  | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.956 | 244  | 1063344  | 78.044  | ng    | 0.00     |
| Target Compounds              |        |      |          |         |       |          |
|                               |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.375  | 88   | 11939    | 8.385   | ng    | 97       |
| 3) Pyridine                   | 3.804  | 79   | 20496m   | 5.481   | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.704  | 42   | 13866m   | 7.811   | ng    |          |
| 6) Aniline                    | 7.298  | 93   | 35081    | 7.297   | ng    | 95       |
| 8) 2-Chlorophenol             | 7.528  | 128  | 25071    | 8.085   | ng    | 99       |
| 9) Benzaldehyde               | 7.110  | 77   | 24874m   | 10.827  | ng    |          |
| 10) Phenol                    | 7.157  | 94   | 31724    | 8.197   | ng    | 92       |
| 11) bis(2-Chloroethyl)ether   | 7.392  | 93   | 24007    | 7.862   | ng    | 99       |
| 12) 1,3-Dichlorobenzene       | 7.851  | 146  | 27986m   | 7.938   | ng    |          |
| 13) 1,4-Dichlorobenzene       | 8.004  | 146  | 29615    | 8.314   | ng    | 98       |
| 14) 1,2-Dichlorobenzene       | 8.316  | 146  | 28232    | 8.182   | ng    | 92       |
| 15) Benzyl Alcohol            | 8.216  | 79   | 21897    | 7.562   | ng    | 98       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.498  | 45   | 24390    | 7.606   | ng    | 94       |
| 17) 2-Methylphenol            | 8.416  | 107  | 18861    | 6.886   | ng    | 92       |
| 18) Hexachloroethane          | 9.045  | 117  | 10468    | 7.905   | ng    | 93       |
| 19) n-Nitroso-di-n-propyla... | 8.775  | 70   | 19458    | 7.216   | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.745  | 107  | 24914    | 6.786   | ng    | 95       |
| 22) Acetophenone              | 8.798  | 105  | 37266    | 8.288   | ng    | # 98     |
| 24) Nitrobenzene              | 9.181  | 77   | 31685    | 8.332   | ng    | 98       |
| 25) Isophorone                | 9.704  | 82   | 47701    | 7.691   | ng    | 95       |
| 26) 2-Nitrophenol             | 9.898  | 139  | 10477    | 6.941   | ng    | 94       |
| 27) 2,4-Dimethylphenol        | 9.951  | 122  | 17356    | 6.909   | ng    | 96       |
| 28) bis(2-Chloroethoxy)met... | 10.192 | 93   | 27896    | 7.688   | ng    | 98       |
| 29) 2,4-Dichlorophenol        | 10.428 | 162  | 21771    | 7.387   | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.639 | 180  | 27059    | 8.028   | ng    | 100      |
| 31) Naphthalene               | 10.827 | 128  | 65990    | 7.443   | ng    | 99       |
| 32) Benzoic acid              | 10.028 | 122  | 8755m    | 9.521   | ng    |          |
| 33) 4-Chloroaniline           | 10.945 | 127  | 25313    | 6.840   | ng    | 97       |
| 34) Hexachlorobutadiene       | 11.098 | 225  | 18548    | 8.366   | ng    | 96       |
| 35) Caprolactam               | 11.722 | 113  | 4341     | 6.075   | ng    | 91       |
| 36) 4-Chloro-3-methylphenol   | 12.063 | 107  | 19431    | 7.250   | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.433 | 142  | 43578m   | 6.839   | ng    |          |
| 38) 1-Methylnaphthalene       | 12.651 | 142  | 43266    | 7.199   | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.798 | 216  | 31436    | 8.066   | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.769 | 237  | 16179    | 7.553   | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 13.039 | 196  | 17803    | 7.136   | ng    | 97       |

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 Operator : CG/JU  
 Sample : N4955-01  
 Misc : LOD-MDL-SOIL 8ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022

Manual Integrations  
 APPROVED

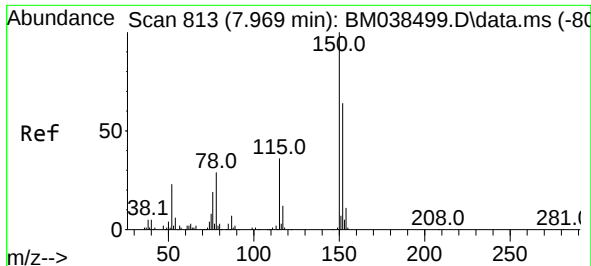
Reviewed By : Christian Giraldo 01/24/2023  
 Supervised By : Jagrut Upadhyay 01/24/2023

Quant Time: Jan 24 05:16:05 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM012023.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sat Jan 21 01:21:49 2023  
 Response via : Initial Calibration

| Compound                       | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|--------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol      | 13.116 | 196  | 20116    | 6.884 | ng    | 97       |
| 46) 1,1'-Biphenyl              | 13.439 | 154  | 63817    | 7.691 | ng    | 99       |
| 47) 2-Chloronaphthalene        | 13.480 | 162  | 50152    | 7.743 | ng    | 99       |
| 48) 2-Nitroaniline             | 13.698 | 65   | 11890    | 6.251 | ng    | 95       |
| 49) Acenaphthylene             | 14.327 | 152  | 70732    | 6.980 | ng    | 99       |
| 50) Dimethylphthalate          | 14.057 | 163  | 59332    | 7.439 | ng    | 100      |
| 51) 2,6-Dinitrotoluene         | 14.186 | 165  | 11409    | 6.797 | ng    | 95       |
| 52) Acenaphthene               | 14.663 | 154  | 44982    | 7.278 | ng    | 98       |
| 53) 3-Nitroaniline             | 14.515 | 138  | 9947     | 5.964 | ng    | 97       |
| 54) 2,4-Dinitrophenol          | 14.733 | 184  | 6027     | 9.175 | ng    | 90       |
| 55) Dibenzofuran               | 14.998 | 168  | 76451    | 7.399 | ng    | 96       |
| 56) 4-Nitrophenol              | 14.827 | 139  | 7269     | 5.292 | ng    | 86       |
| 57) 2,4-Dinitrotoluene         | 14.974 | 165  | 14429    | 6.342 | ng    | 93       |
| 58) Fluorene                   | 15.645 | 166  | 59647    | 7.119 | ng    | 97       |
| 59) 2,3,4,6-Tetrachlorophenol  | 15.221 | 232  | 17351    | 7.264 | ng    | 98       |
| 60) Diethylphthalate           | 15.410 | 149  | 55272    | 7.077 | ng    | 95       |
| 61) 4-Chlorophenyl-phenylether | 15.639 | 204  | 33225    | 7.553 | ng    | 95       |
| 62) 4-Nitroaniline             | 15.674 | 138  | 9648     | 8.065 | ng    | 92       |
| 63) Azobenzene                 | 15.927 | 77   | 58555    | 7.076 | ng    | 97       |
| 65) 4,6-Dinitro-2-methylph...  | 15.733 | 198  | 9268     | 5.997 | ng    | 92       |
| 66) n-Nitrosodiphenylamine     | 15.851 | 169  | 52179    | 7.300 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether  | 16.533 | 248  | 20477    | 7.754 | ng    | 94       |
| 68) Hexachlorobenzene          | 16.645 | 284  | 23514    | 8.251 | ng    | 96       |
| 69) Atrazine                   | 16.798 | 200  | 18370    | 7.704 | ng    | 98       |
| 70) Pentachlorophenol          | 16.992 | 266  | 12813    | 6.315 | ng    | 94       |
| 71) Phenanthrene               | 17.386 | 178  | 97868    | 7.361 | ng    | 98       |
| 72) Anthracene                 | 17.474 | 178  | 94881    | 7.013 | ng    | 99       |
| 73) Carbazole                  | 17.751 | 167  | 84325    | 7.078 | ng    | 99       |
| 74) Di-n-butylphthalate        | 18.298 | 149  | 84388    | 6.447 | ng    | 99       |
| 75) Fluoranthene               | 19.398 | 202  | 115149   | 7.206 | ng    | 97       |
| 77) Benzidine                  | 19.586 | 184  | 46943    | 7.755 | ng    | 98       |
| 78) Pyrene                     | 19.756 | 202  | 127545   | 6.896 | ng    | 98       |
| 80) Butylbenzylphthalate       | 20.644 | 149  | 37601    | 5.879 | ng    | 96       |
| 81) Benzo(a)anthracene         | 21.497 | 228  | 140603   | 7.470 | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine     | 21.433 | 252  | 50454    | 8.346 | ng    | 99       |
| 83) Chrysene                   | 21.550 | 228  | 138864   | 7.544 | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha...  | 21.415 | 149  | 52039    | 5.614 | ng    | # 93     |
| 85) Di-n-octyl phthalate       | 22.339 | 149  | 98315    | 5.965 | ng    | 99       |
| 87) Indeno(1,2,3-cd)pyrene     | 26.438 | 276  | 183838   | 7.321 | ng    | 97       |
| 88) Benzo(b)fluoranthene       | 23.191 | 252  | 156349   | 7.638 | ng    | 98       |
| 89) Benzo(k)fluoranthene       | 23.238 | 252  | 158522m  | 7.484 | ng    |          |
| 90) Benzo(a)pyrene             | 23.821 | 252  | 138322   | 6.816 | ng    | 96       |
| 91) Dibenzo(a,h)anthracene     | 26.456 | 278  | 159848   | 7.648 | ng    | 98       |
| 92) Benzo(g,h,i)perylene       | 27.215 | 276  | 164452   | 7.681 | ng    | 97       |

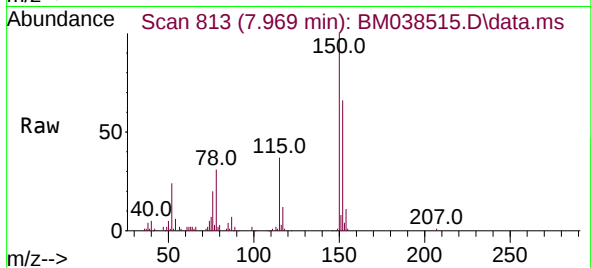
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.969 min Scan# 813  
Delta R.T. -0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

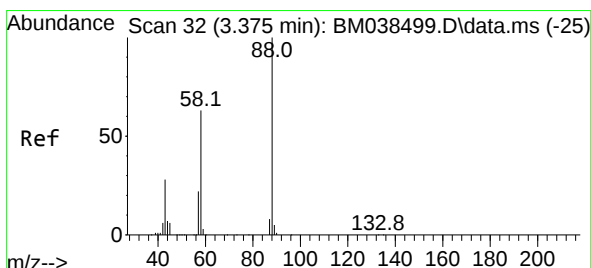
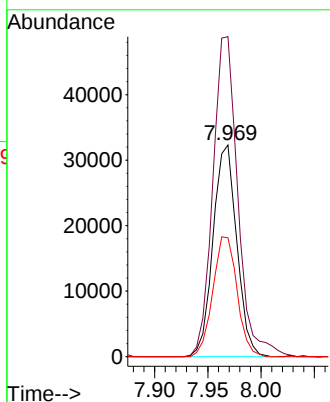
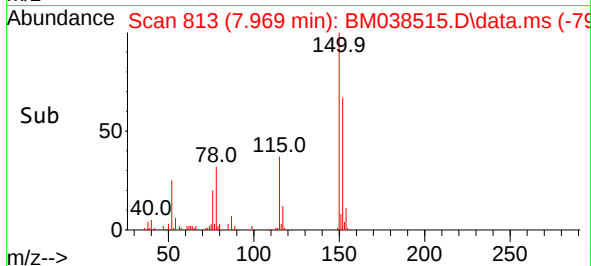
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



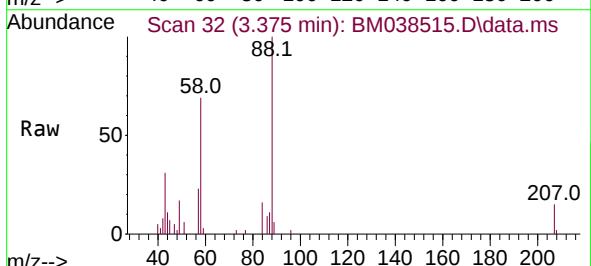
Tgt Ion:152 Resp: 50182  
Ion Ratio Lower Upper  
152 100  
150 151.2 124.2 186.4  
115 56.1 44.8 67.2

Manual Integrations  
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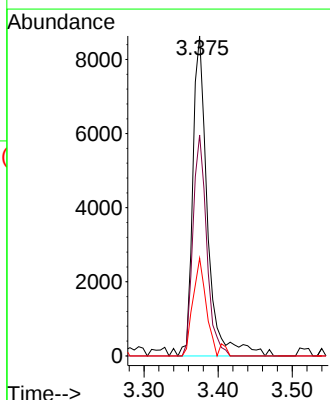
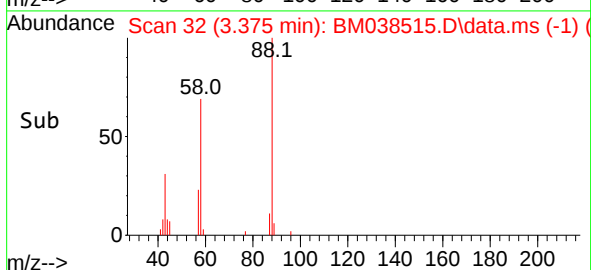
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

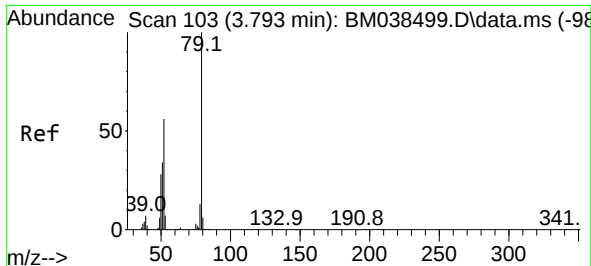


#2  
1,4-Dioxane  
Concen: 8.385 ng  
RT: 3.375 min Scan# 32  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



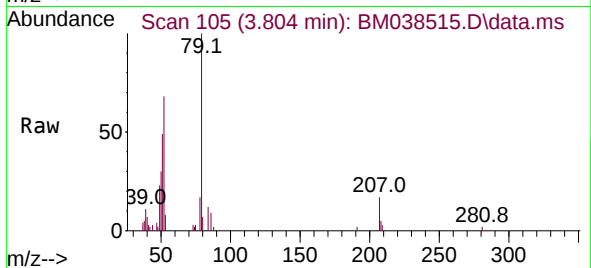
Tgt Ion: 88 Resp: 11939  
Ion Ratio Lower Upper  
88 100  
58 64.3 50.5 75.7  
43 27.1 23.9 35.9





#3  
Pyridine  
Concen: 5.481 ng m  
RT: 3.804 min Scan# 103  
Delta R.T. 0.012 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

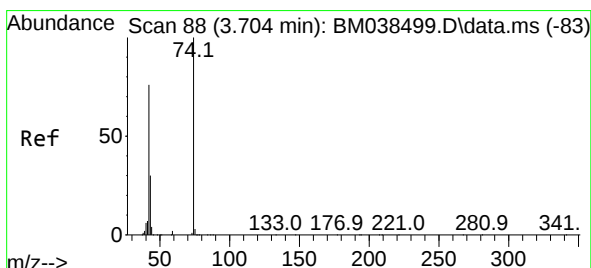
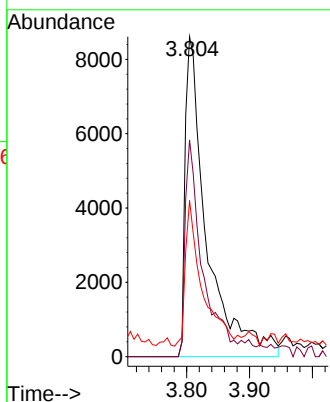
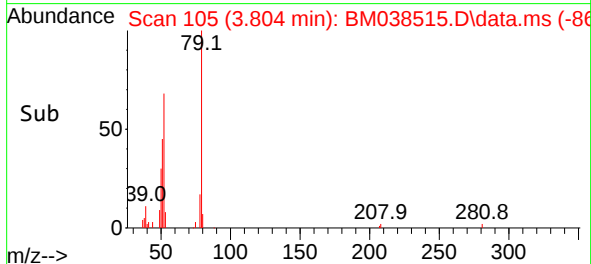
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 79 Resp: 20496  
Ion Ratio Lower Upper  
79 100  
52 67.7 45.0 67.4  
51 48.8 27.1 40.7

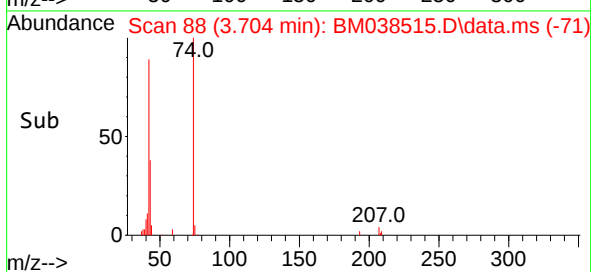
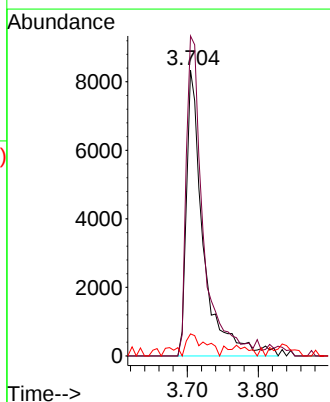
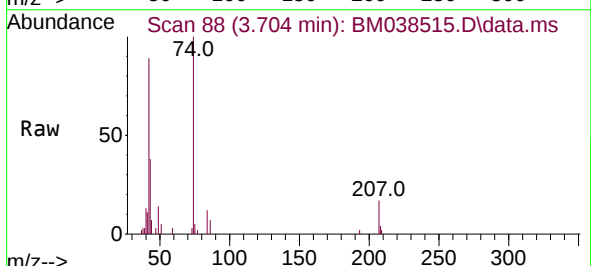
Manual Integrations  
APPROVED

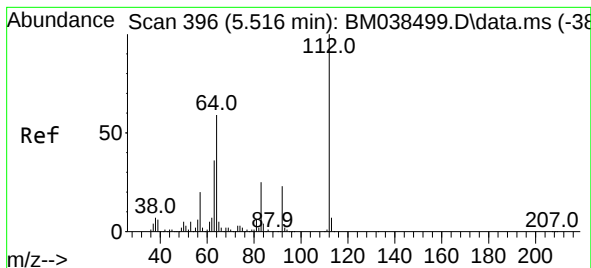
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#4  
n-Nitrosodimethylamine  
Concen: 7.811 ng m  
RT: 3.704 min Scan# 88  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion: 42 Resp: 13866  
Ion Ratio Lower Upper  
42 100  
74 112.0 105.0 157.4  
44 7.7 4.1 6.1





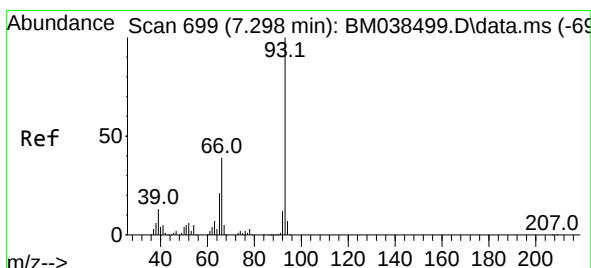
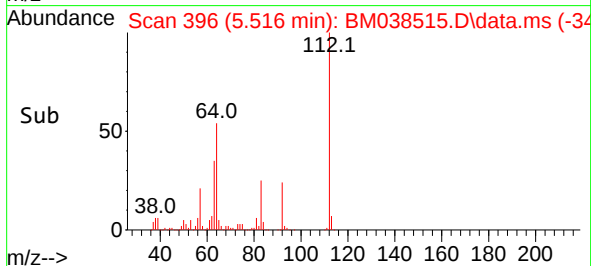
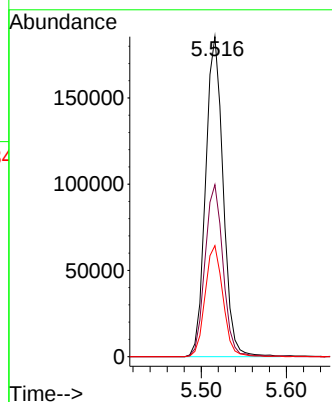
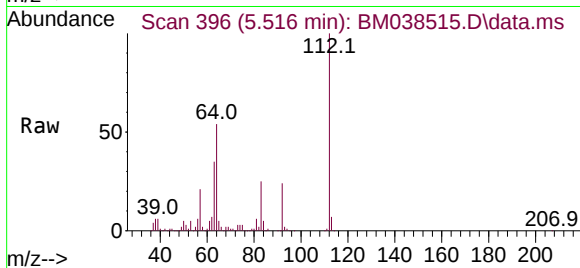
#5  
2-Fluorophenol  
Concen: 87.328 ng  
RT: 5.516 min Scan# 396  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

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Tgt Ion:112 Resp: 265090  
Ion Ratio Lower Upper  
112 100  
64 53.7 47.3 70.9  
63 34.7 28.8 43.2

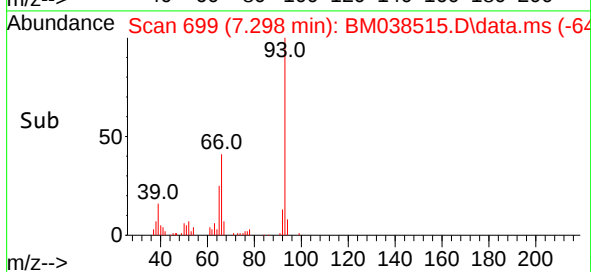
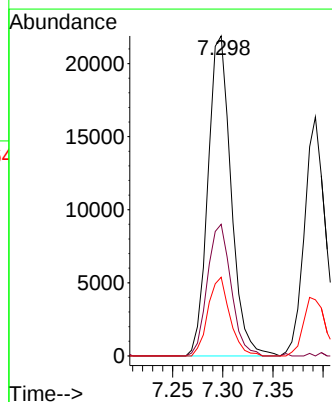
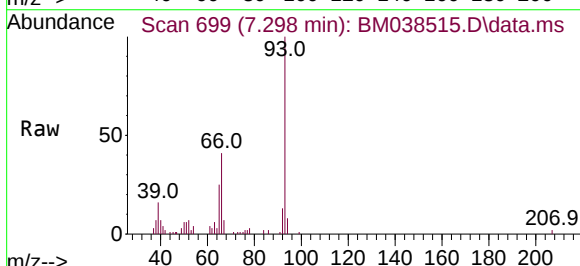
Manual Integrations  
APPROVED

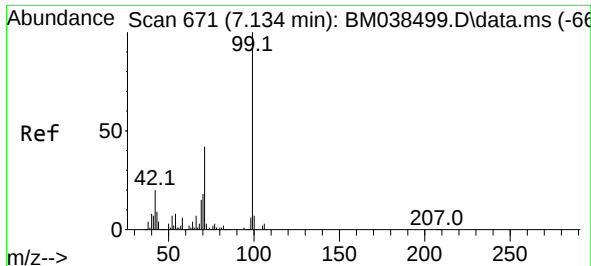
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#6  
Aniline  
Concen: 7.297 ng  
RT: 7.298 min Scan# 699  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

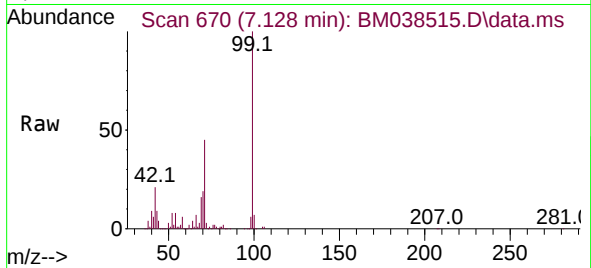
Tgt Ion: 93 Resp: 35081  
Ion Ratio Lower Upper  
93 100  
66 41.1 31.6 47.4  
65 24.6 16.6 24.8





#7  
Phenol-d6  
Concen: 117.068 ng  
RT: 7.128 min Scan# 671  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

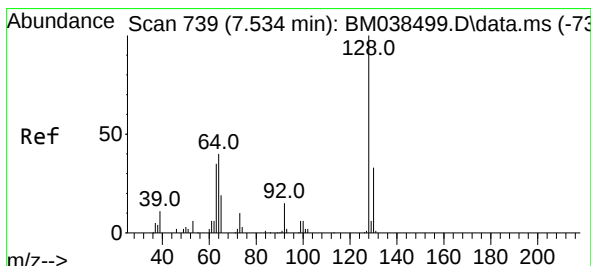
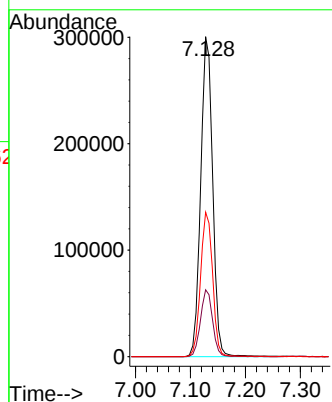
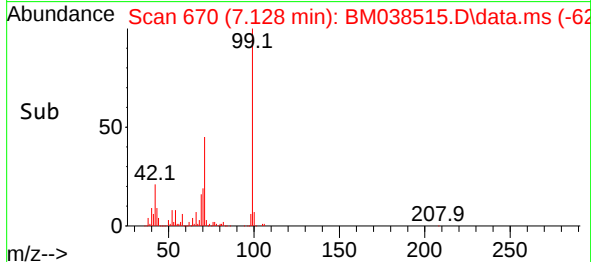
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 99 Resp: 453410  
Ion Ratio Lower Upper  
99 100  
42 20.9 16.0 24.0  
71 45.1 33.8 50.6

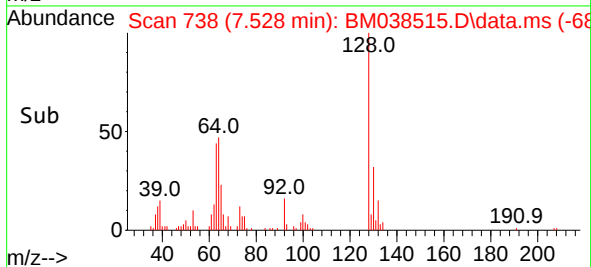
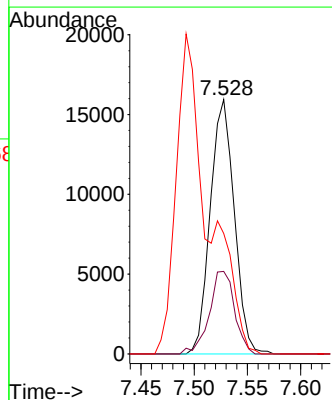
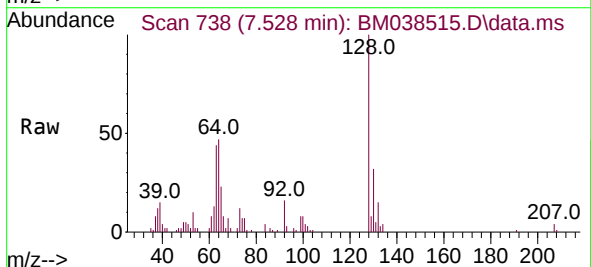
Manual Integrations  
APPROVED

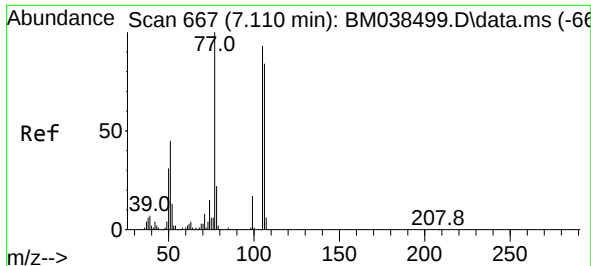
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Supervised By :Jagrut Upadhyay 01/24/2023



#8  
2-Chlorophenol  
Concen: 8.085 ng  
RT: 7.528 min Scan# 738  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

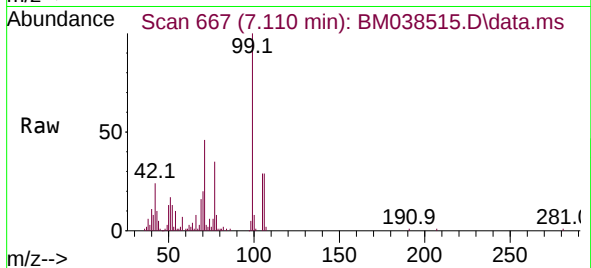
Tgt Ion:128 Resp: 25071  
Ion Ratio Lower Upper  
128 100  
130 32.4 13.2 53.2  
64 47.4 27.7 67.7





#9  
Benzaldehyde  
Concen: 10.827 ng m  
RT: 7.110 min Scan# 667  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

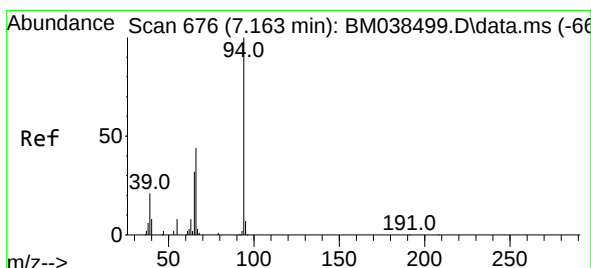
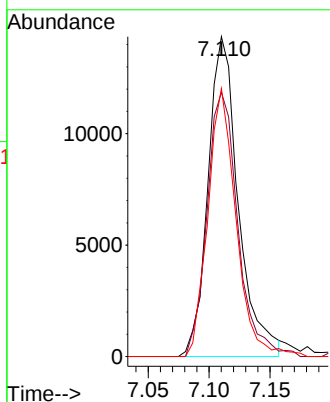
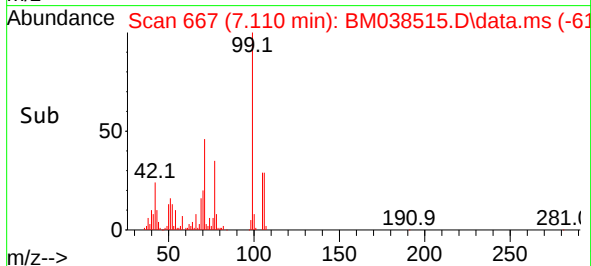
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



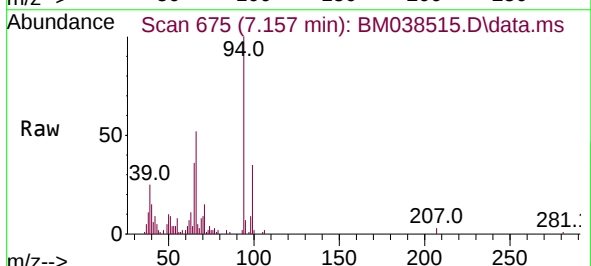
Tgt Ion: 77 Resp: 24874  
Ion Ratio Lower Upper  
77 100  
105 82.6 72.9 112.9  
106 83.8 63.8 103.8

Manual Integrations  
APPROVED

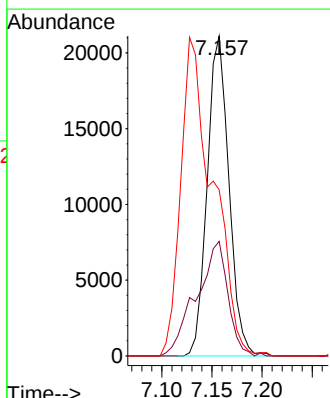
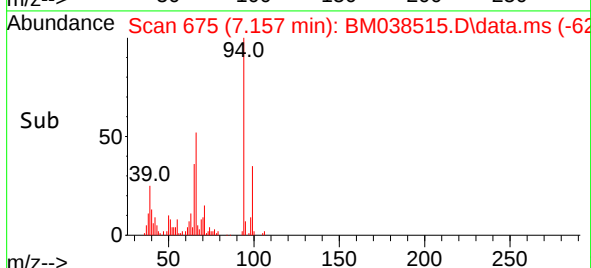
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

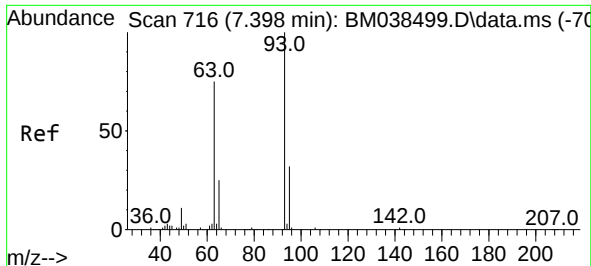


#10  
Phenol  
Concen: 8.197 ng  
RT: 7.157 min Scan# 675  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



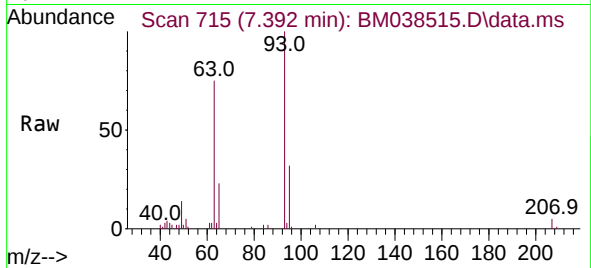
Tgt Ion: 94 Resp: 31724  
Ion Ratio Lower Upper  
94 100  
65 35.8 12.7 52.7  
66 51.9 26.0 66.0





#11  
bis(2-Chloroethyl)ether  
Concen: 7.862 ng  
RT: 7.392 min Scan# 716  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

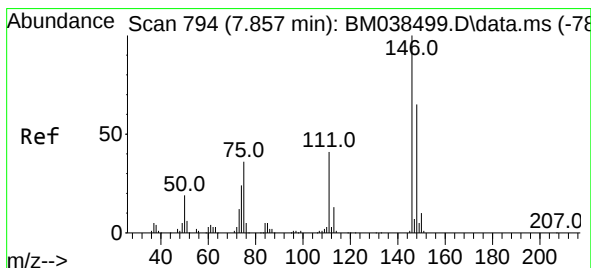
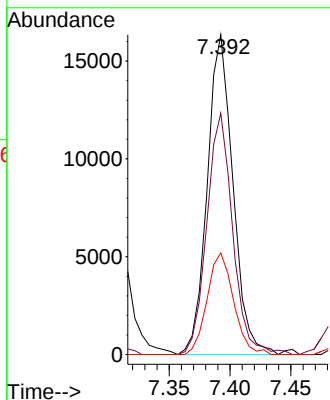
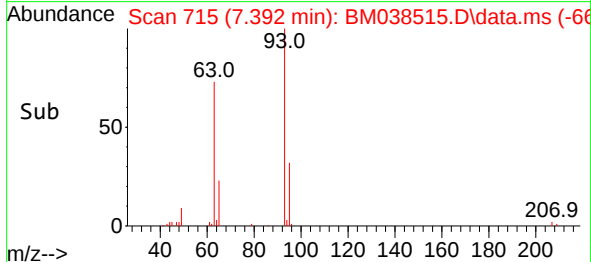
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 93 Resp: 2400  
Ion Ratio Lower Upper  
93 100  
63 75.4 54.4 94.4  
95 31.8 11.4 51.4

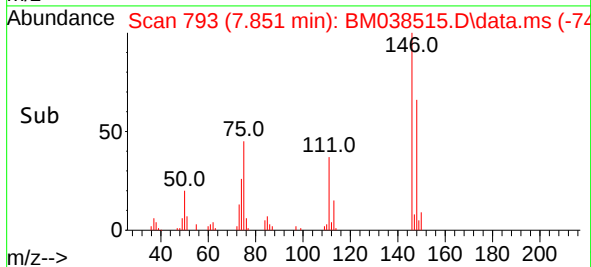
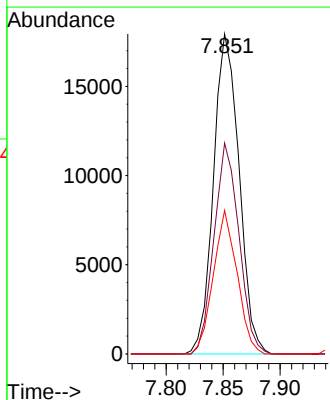
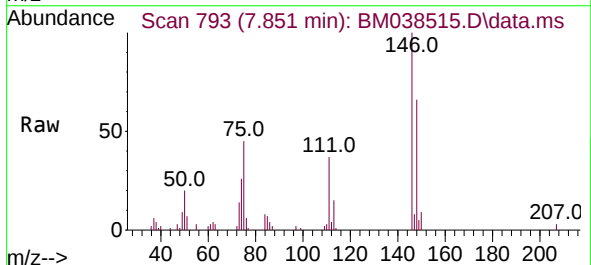
Manual Integrations  
APPROVED

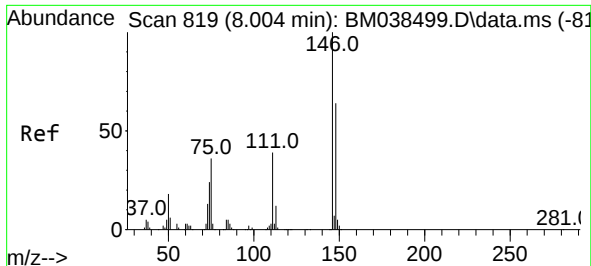
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#12  
1,3-Dichlorobenzene  
Concen: 7.938 ng m  
RT: 7.851 min Scan# 793  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion:146 Resp: 27986  
Ion Ratio Lower Upper  
146 100  
148 65.9 52.1 78.1  
75 44.8 28.7 43.1#





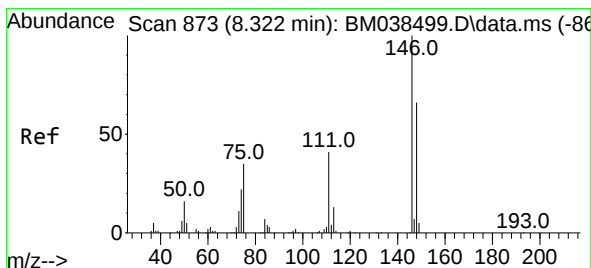
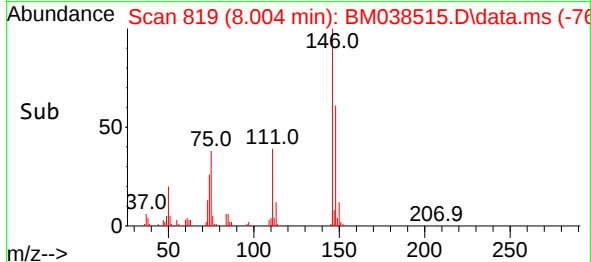
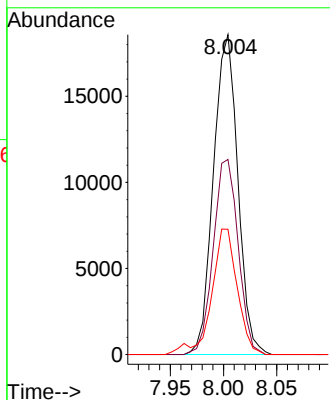
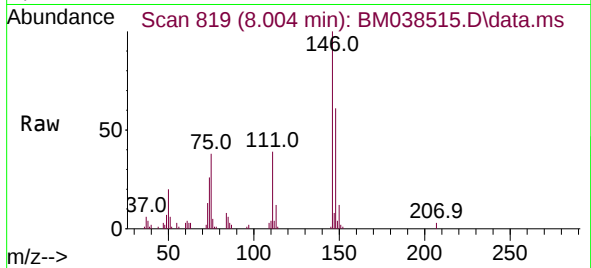
#13  
1,4-Dichlorobenzene  
Concen: 8.314 ng  
RT: 8.004 min Scan# 819  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:146 Resp: 29615  
Ion Ratio Lower Upper  
146 100  
148 61.0 51.3 76.9  
111 39.2 31.4 47.0

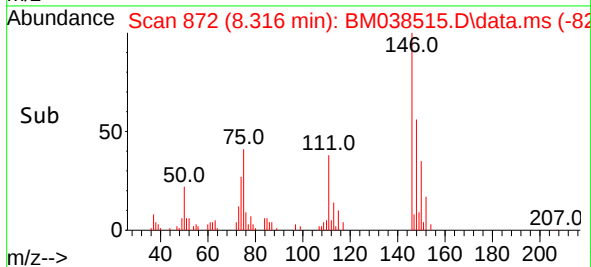
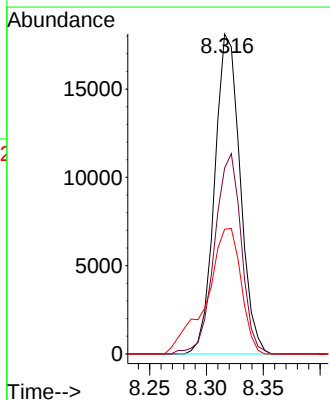
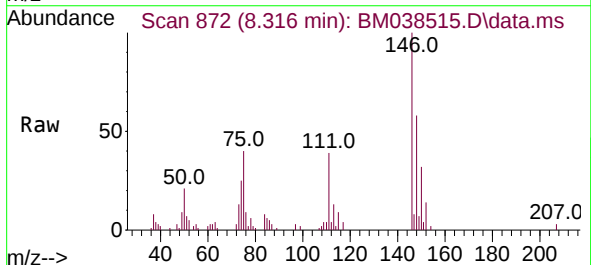
Manual Integrations  
APPROVED

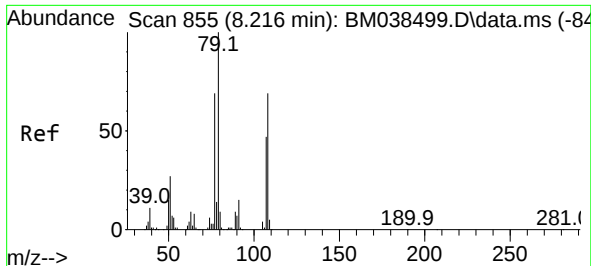
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#14  
1,2-Dichlorobenzene  
Concen: 8.182 ng  
RT: 8.316 min Scan# 872  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

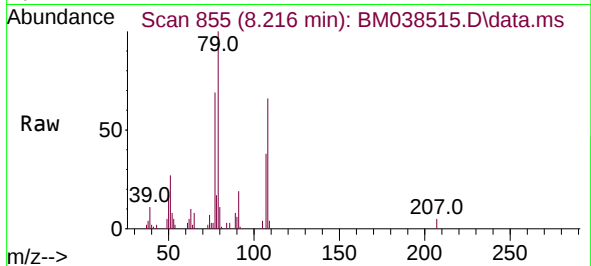
Tgt Ion:146 Resp: 28232  
Ion Ratio Lower Upper  
146 100  
148 58.1 52.7 79.1  
111 39.0 33.2 49.8





#15  
Benzyl Alcohol  
Concen: 7.562 ng  
RT: 8.216 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

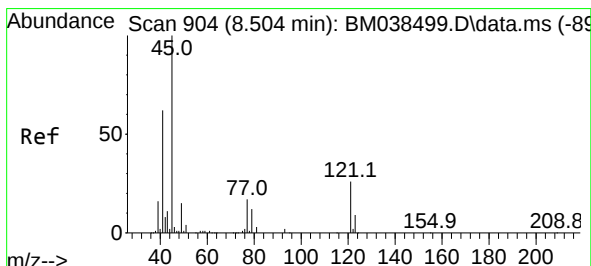
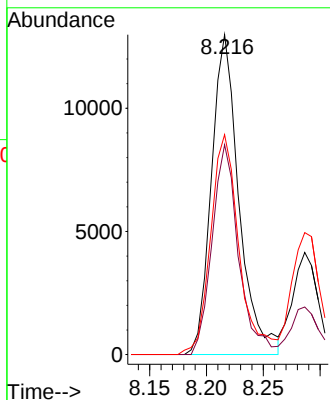
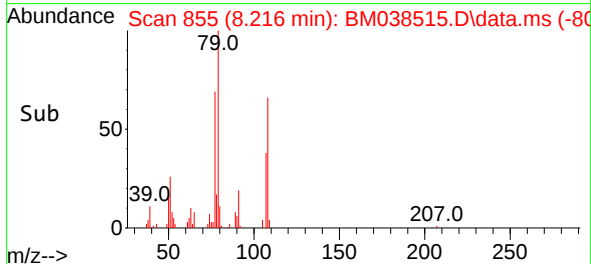
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 79 Resp: 2189  
Ion Ratio Lower Upper  
79 100  
108 65.6 55.0 82.6  
77 68.7 55.0 82.4

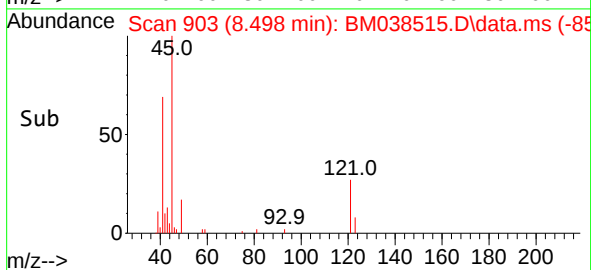
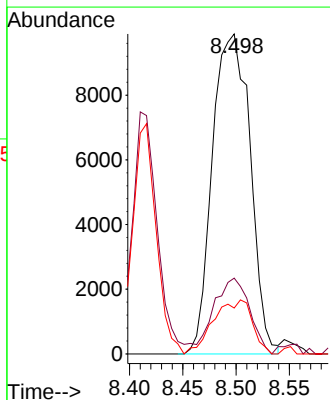
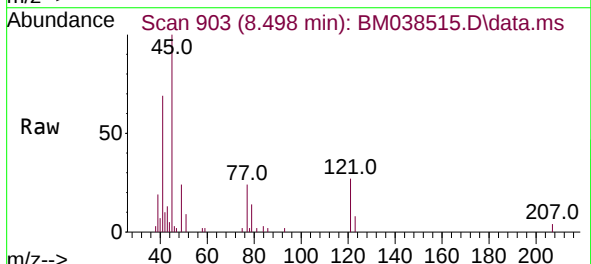
Manual Integrations  
APPROVED

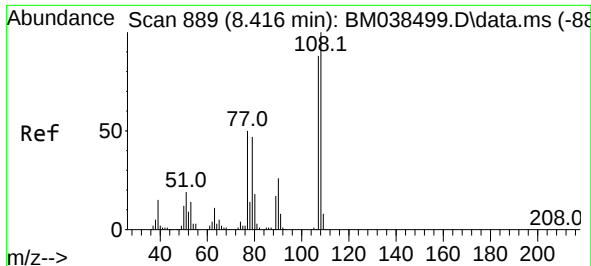
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 7.606 ng  
RT: 8.498 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

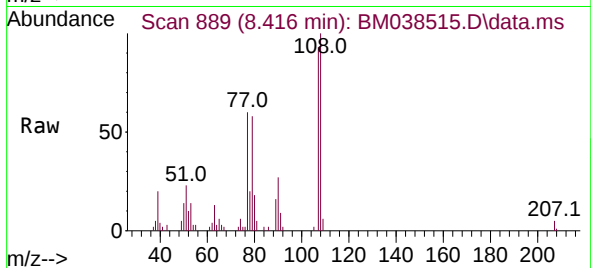
Tgt Ion: 45 Resp: 24390  
Ion Ratio Lower Upper  
45 100  
77 23.7 0.0 39.2  
79 14.3 0.0 34.9





#17  
2-Methylphenol  
Concen: 6.886 ng  
RT: 8.416 min Scan# 889  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

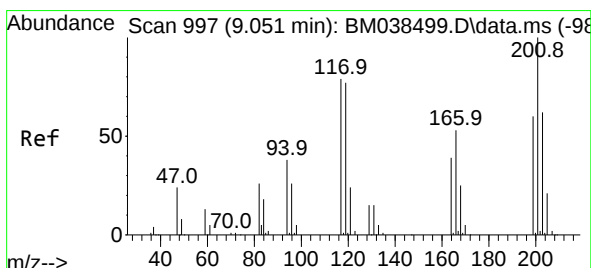
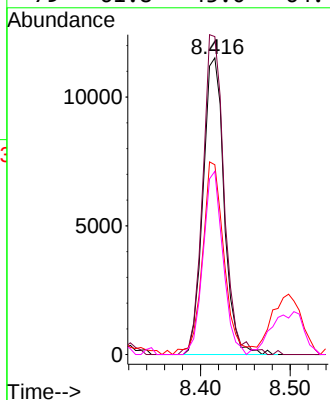
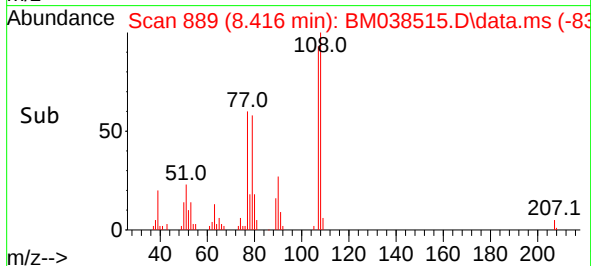
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 1886  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 107.2 | 90.8  | 136.2 |
| 77       | 64.0  | 46.1  | 69.1  |
| 79       | 61.8  | 43.0  | 64.4  |

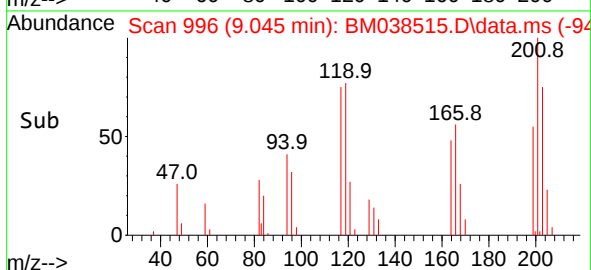
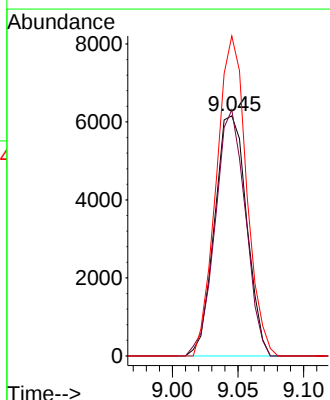
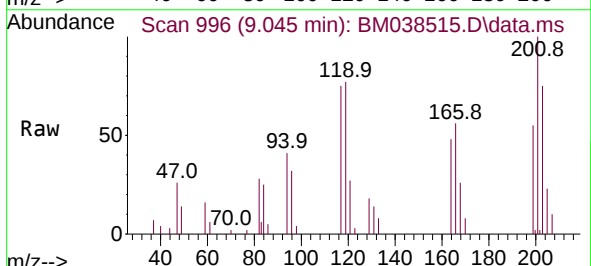
Manual Integrations  
APPROVED

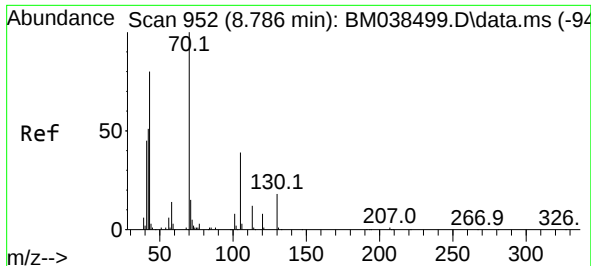
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#18  
Hexachloroethane  
Concen: 7.905 ng  
RT: 9.045 min Scan# 996  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

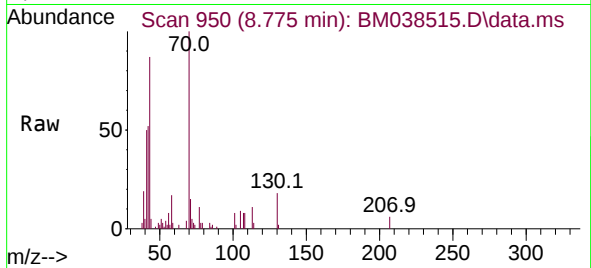
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 10468 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 102.5 | 77.9  | 116.9 |
| 201      | 136.4 | 100.6 | 151.0 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 7.216 ng  
RT: 8.775 min Scan# 91  
Delta R.T. -0.011 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

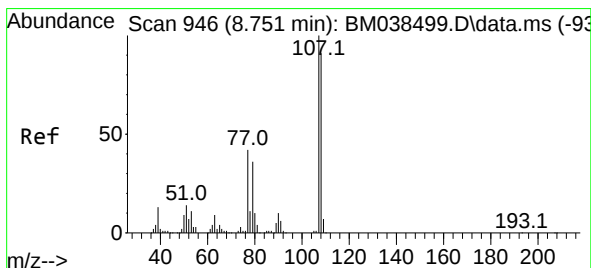
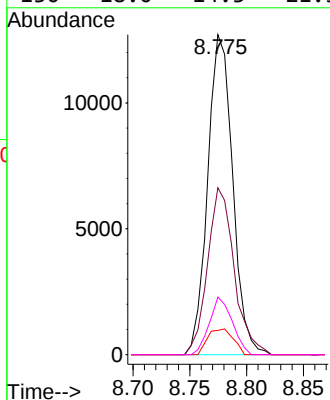
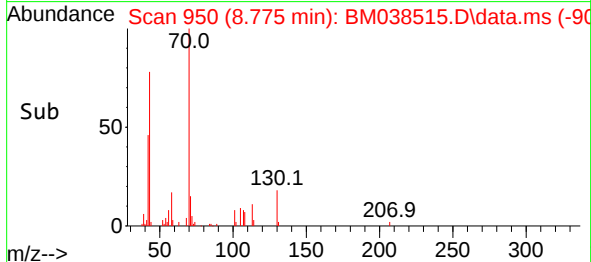
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 70 Resp: 19458  
Ion Ratio Lower Upper  
70 100  
42 52.2 41.4 62.2  
101 7.6 6.5 9.7  
130 18.0 14.3 21.5

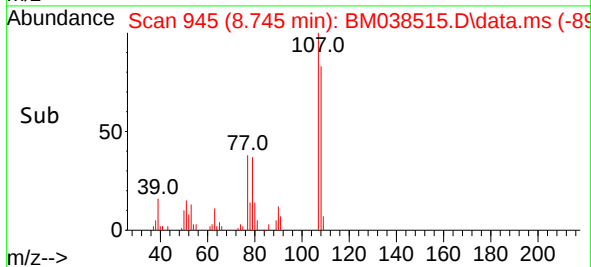
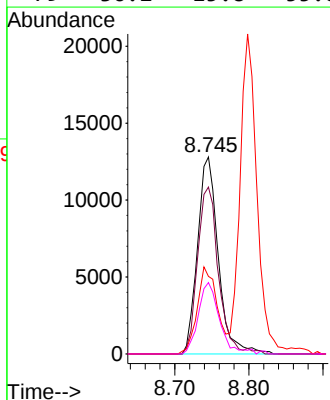
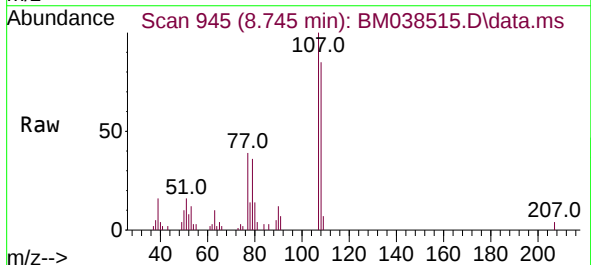
Manual Integrations  
APPROVED

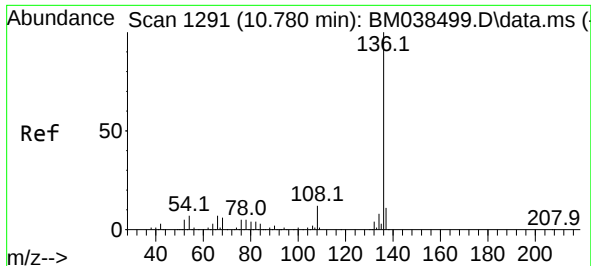
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#20  
3+4-Methylphenols  
Concen: 6.786 ng  
RT: 8.745 min Scan# 945  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion:107 Resp: 24914  
Ion Ratio Lower Upper  
107 100  
108 84.7 70.7 110.7  
77 39.4 22.0 62.0  
79 36.2 15.8 55.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.775 min Scan# 1291

Delta R.T. -0.006 min

Lab File: BM038515.D

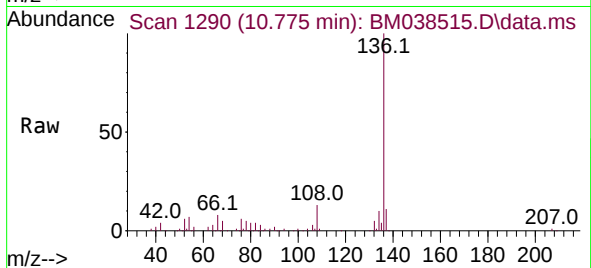
Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:136 Resp: 16321

Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 7.3 6.0 9.0

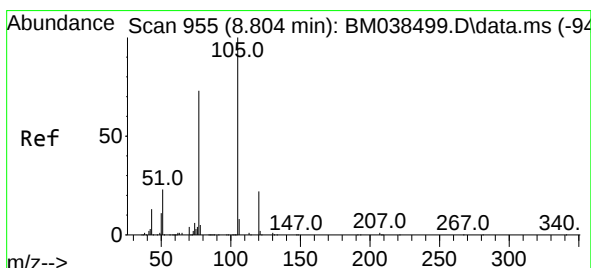
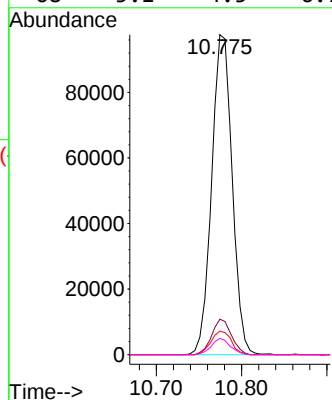
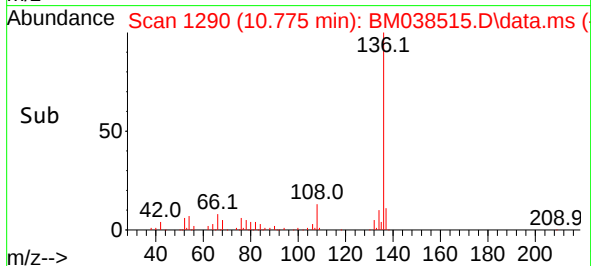
68 5.1 4.5 6.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/24/2023



#22

Acetophenone

Concen: 8.288 ng

RT: 8.798 min Scan# 954

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Tgt Ion:105 Resp: 37266

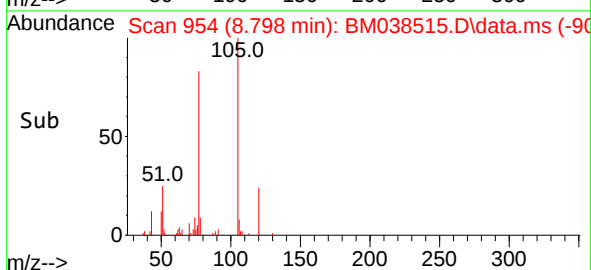
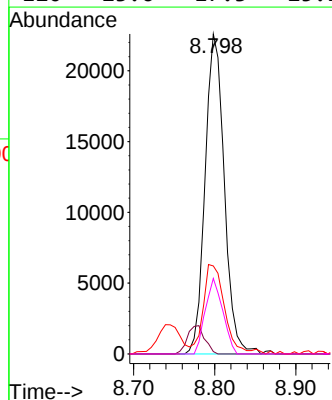
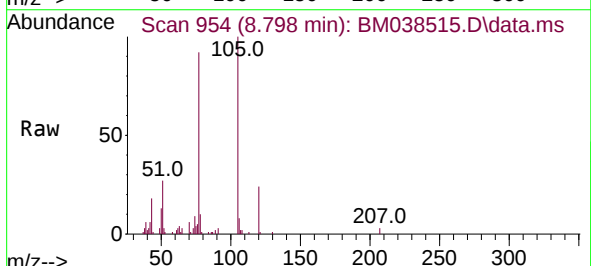
Ion Ratio Lower Upper

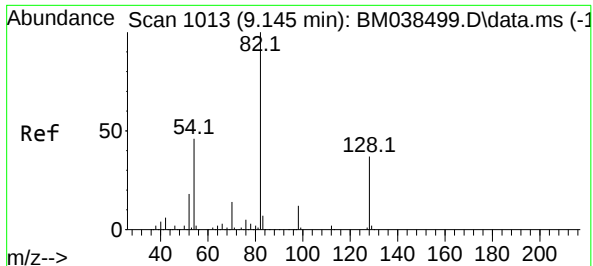
105 100

71 0.7 0.9 1.3

51 27.5 21.8 32.8

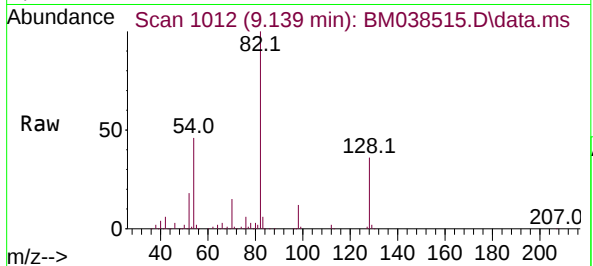
120 23.6 17.3 25.9





#23  
Nitrobenzene-d5  
Concen: 77.396 ng  
RT: 9.139 min Scan# 1012  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

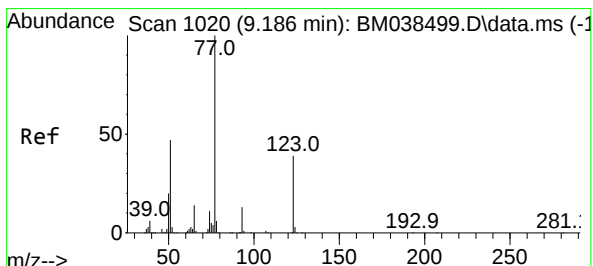
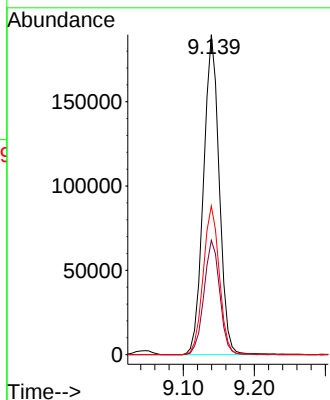
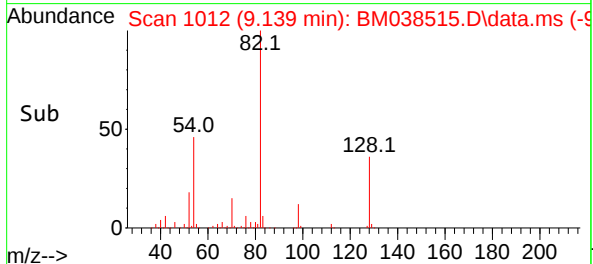
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



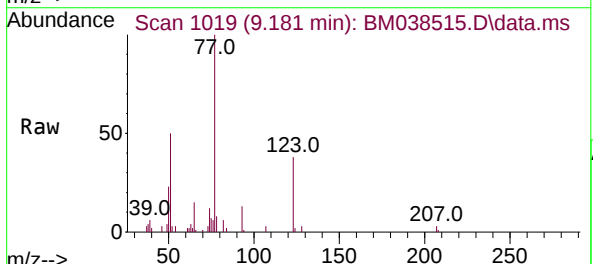
Tgt Ion: 82 Resp: 290889  
Ion Ratio Lower Upper  
82 100  
128 35.7 29.3 43.9  
54 46.4 36.9 55.3

Manual Integrations  
APPROVED

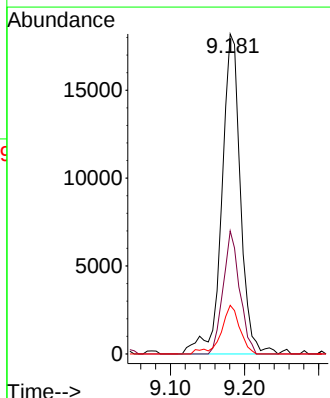
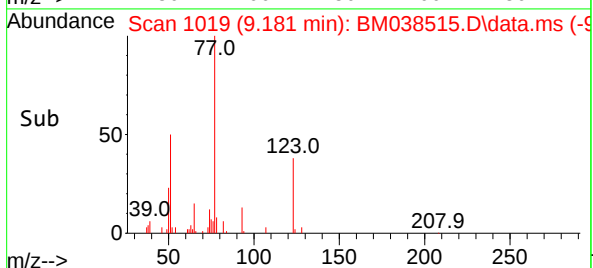
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

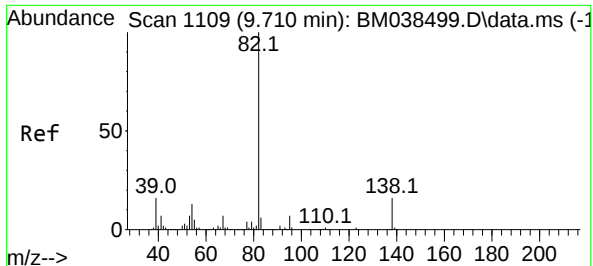


#24  
Nitrobenzene  
Concen: 8.332 ng  
RT: 9.181 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



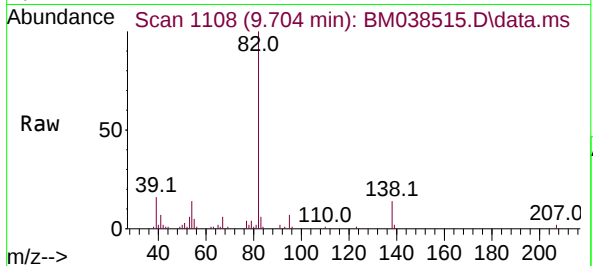
Tgt Ion: 77 Resp: 31685  
Ion Ratio Lower Upper  
77 100  
123 38.4 31.5 47.3  
65 15.2 11.2 16.8





#25  
Isophorone  
Concen: 7.691 ng  
RT: 9.704 min Scan# 1108  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

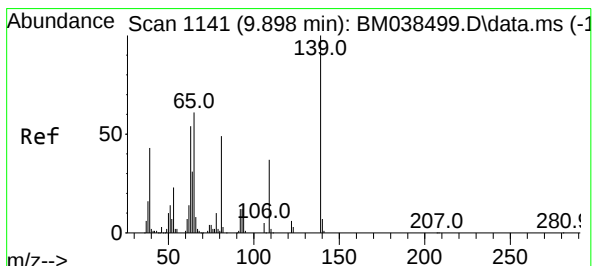
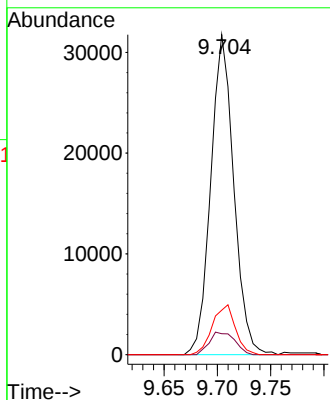
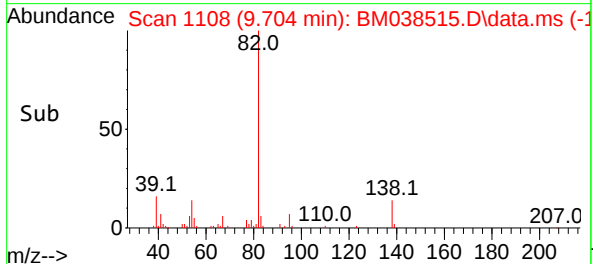
Instrument : BNA\_M  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



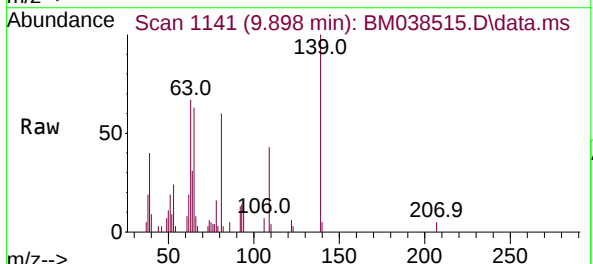
Tgt Ion: 82 Resp: 4770  
Ion Ratio Lower Upper  
82 100  
95 6.5 5.6 8.4  
138 13.9 13.2 19.8

Manual Integrations  
APPROVED

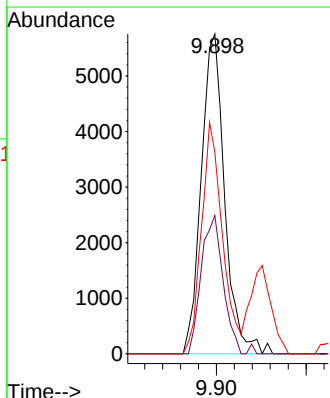
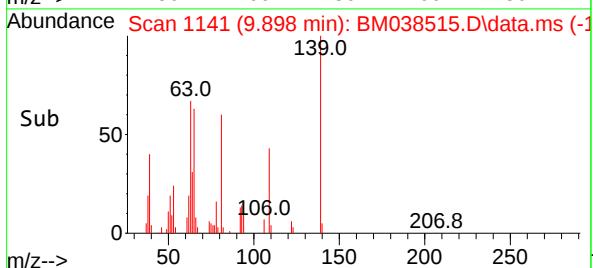
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

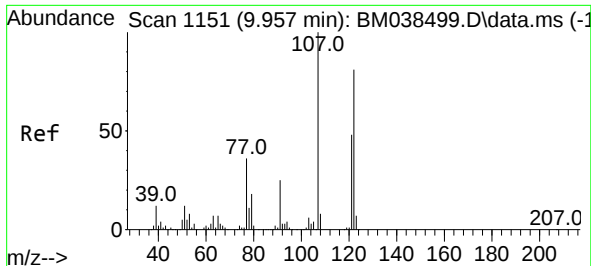


#26  
2-Nitrophenol  
Concen: 6.941 ng  
RT: 9.898 min Scan# 1141  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:139 Resp: 10477  
Ion Ratio Lower Upper  
139 100  
109 43.2 29.3 43.9  
65 63.0 48.6 72.8





#27

2,4-Dimethylphenol

Concen: 6.909 ng

RT: 9.951 min Scan# 1150

Delta R.T. -0.006 min

Lab File: BM038515.D

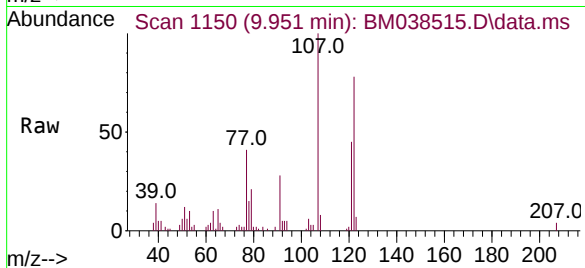
Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



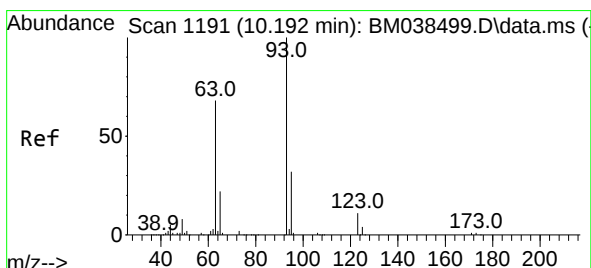
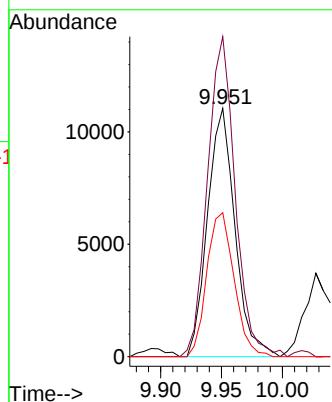
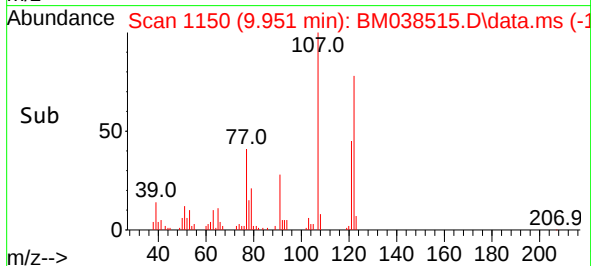
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 122     | 100   |       |       |
| 107     | 128.9 | 98.2  | 147.2 |
| 121     | 58.0  | 47.1  | 70.7  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/24/2023



#28

bis(2-Chloroethoxy)methane

Concen: 7.688 ng

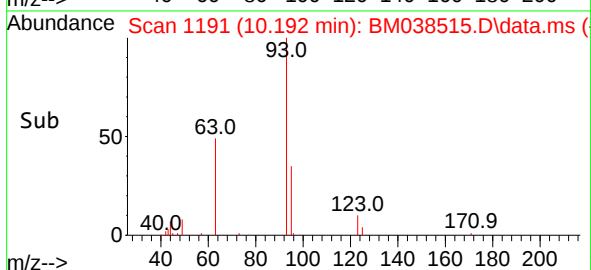
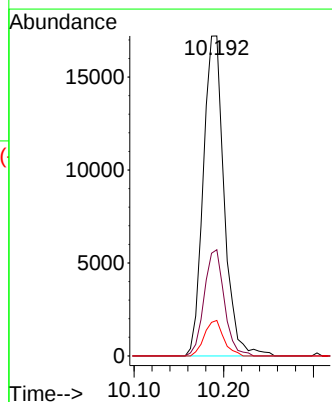
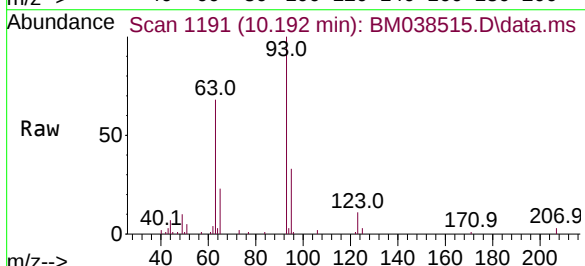
RT: 10.192 min Scan# 1191

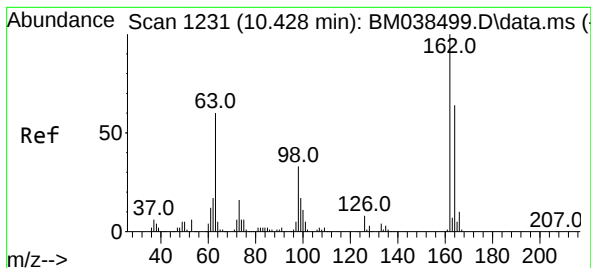
Delta R.T. 0.000 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 33.2  | 25.3  | 37.9  |
| 123     | 11.1  | 8.8   | 13.2  |





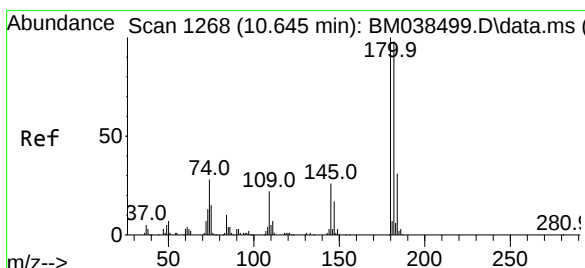
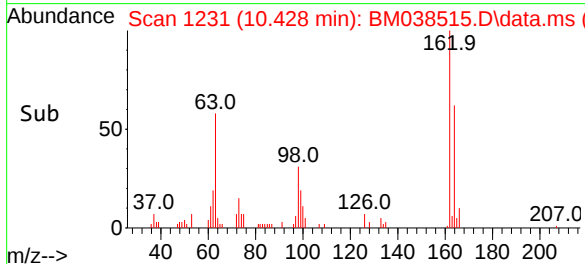
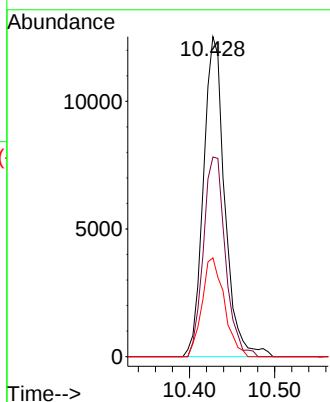
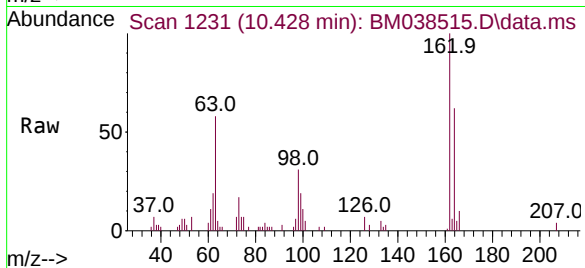
#29  
2,4-Dichlorophenol  
Concen: 7.387 ng  
RT: 10.428 min Scan# 1231  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:162 Resp: 2177  
Ion Ratio Lower Upper  
162 100  
164 62.4 43.7 83.7  
98 30.9 12.9 52.9

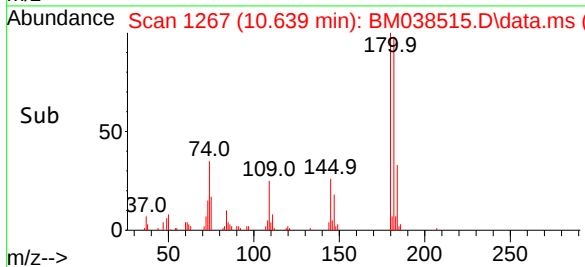
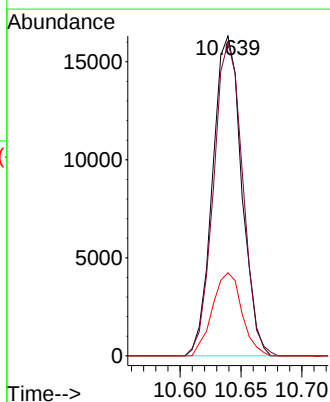
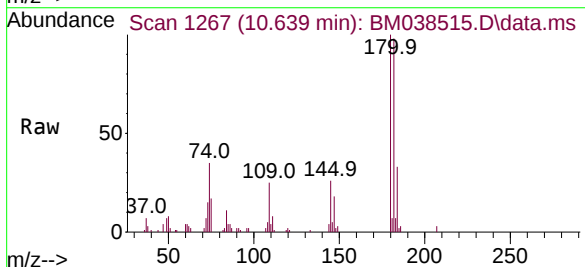
Manual Integrations  
APPROVED

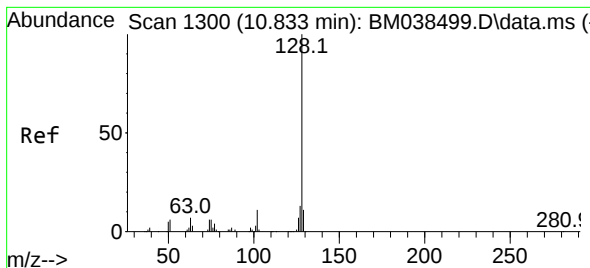
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#30  
1,2,4-Trichlorobenzene  
Concen: 8.028 ng  
RT: 10.639 min Scan# 1267  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

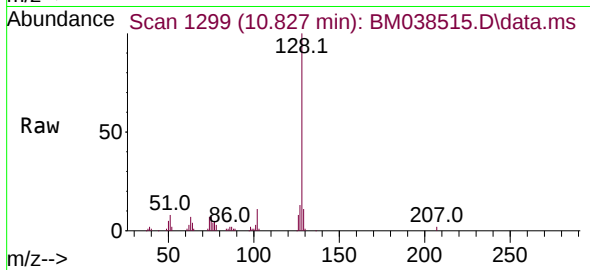
Tgt Ion:180 Resp: 27059  
Ion Ratio Lower Upper  
180 100  
182 98.0 78.3 117.5  
145 26.0 21.0 31.6





#31  
Naphthalene  
Concen: 7.443 ng  
RT: 10.827 min Scan# 1163  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

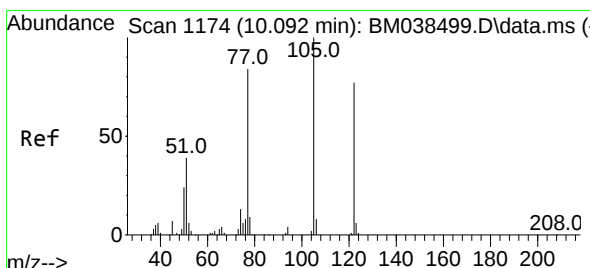
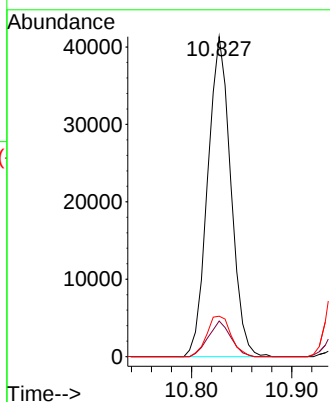
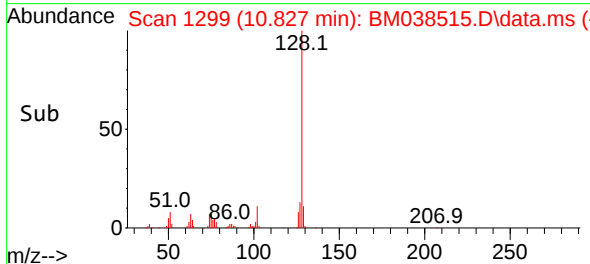
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:128 Resp: 65990  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.8 13.2  
127 12.6 10.3 15.5

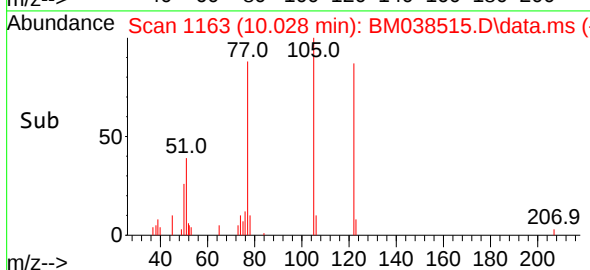
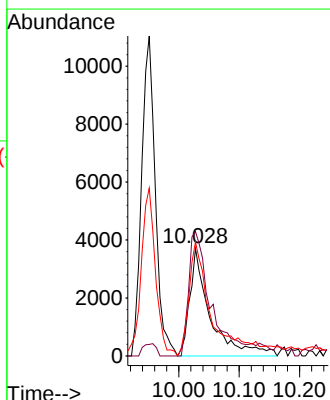
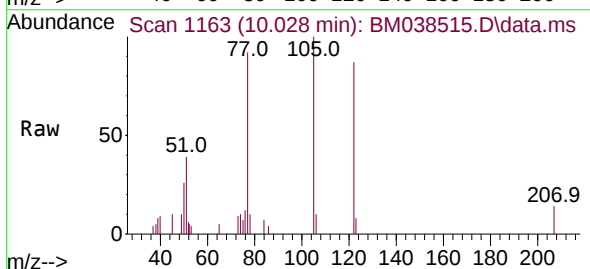
Manual Integrations  
APPROVED

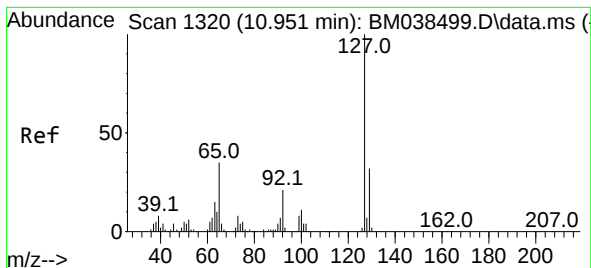
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#32  
Benzoic acid  
Concen: 9.521 ng m  
RT: 10.028 min Scan# 1163  
Delta R.T. -0.064 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion:122 Resp: 8755  
Ion Ratio Lower Upper  
122 100  
105 115.4 107.9 147.9  
77 105.7 88.6 128.6





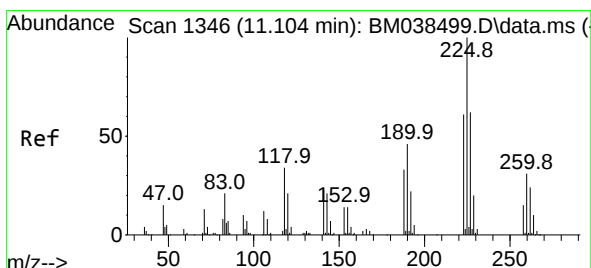
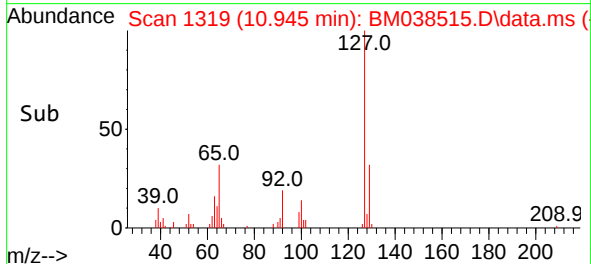
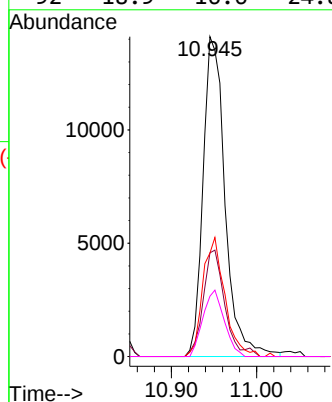
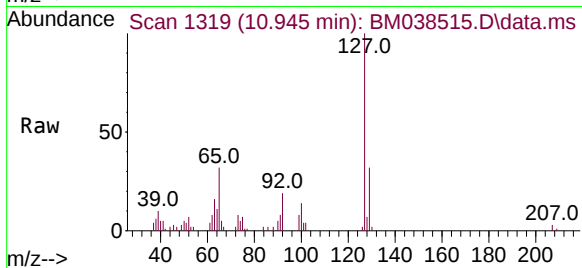
#33  
4-Chloroaniline  
Concen: 6.840 ng  
RT: 10.945 min Scan# 1319  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 127     | 100   |       |       |
| 129     | 32.4  | 25.8  | 38.6  |
| 65      | 32.4  | 28.2  | 42.2  |
| 92      | 18.9  | 16.6  | 24.8  |

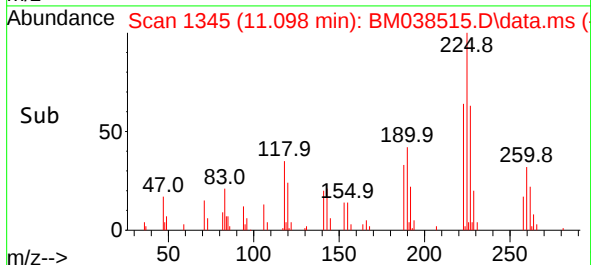
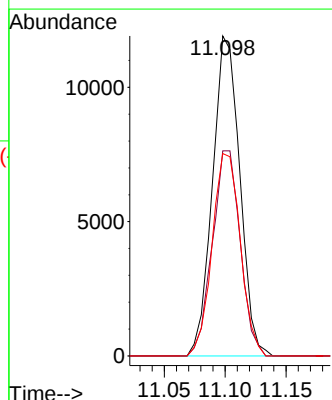
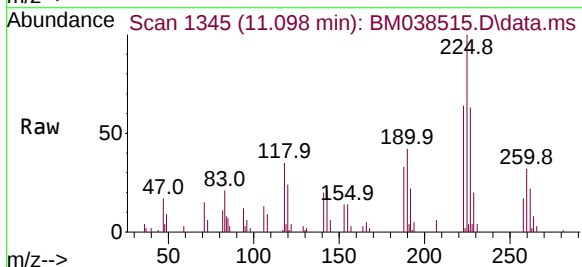
Manual Integrations  
APPROVED

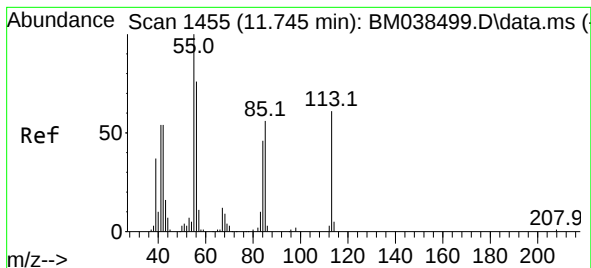
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#34  
Hexachlorobutadiene  
Concen: 8.366 ng  
RT: 11.098 min Scan# 1345  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

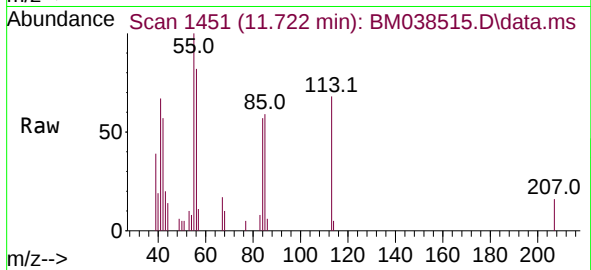
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 66.1  | 48.8  | 73.2  |
| 227     | 63.3  | 49.4  | 74.0  |





#35  
Caprolactam  
Concen: 6.075 ng  
RT: 11.722 min Scan# 1451  
Delta R.T. -0.024 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

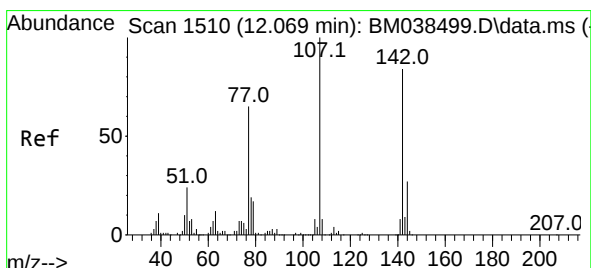
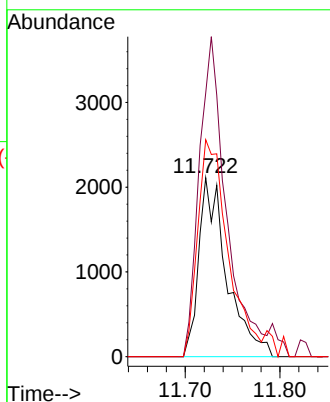
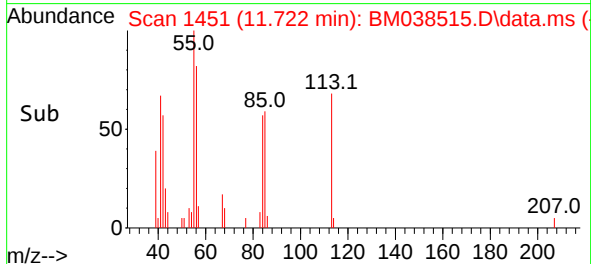
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



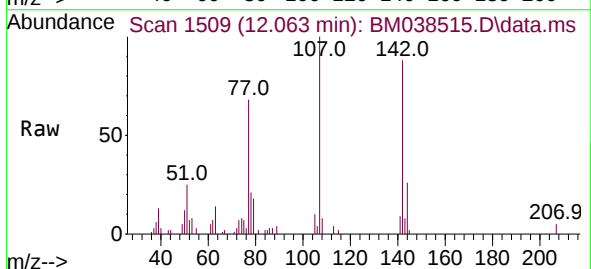
Tgt Ion:113 Resp: 4341  
Ion Ratio Lower Upper  
113 100  
55 147.3 145.0 185.0  
56 121.3 105.7 145.7

Manual Integrations  
APPROVED

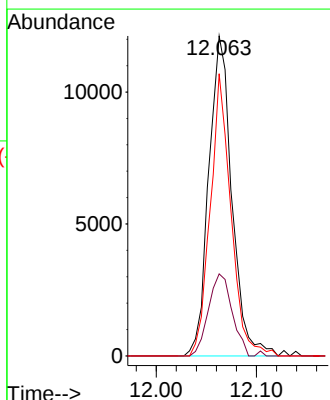
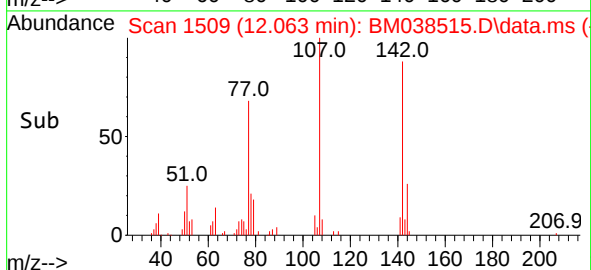
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

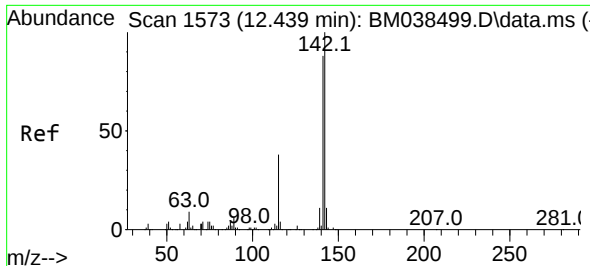


#36  
4-Chloro-3-methylphenol  
Concen: 7.250 ng  
RT: 12.063 min Scan# 1509  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:107 Resp: 19431  
Ion Ratio Lower Upper  
107 100  
144 25.6 22.0 33.0  
142 88.2 67.5 101.3





#37

2-Methylnaphthalene

Concen: 6.839 ng m

RT: 12.433 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM038515.D

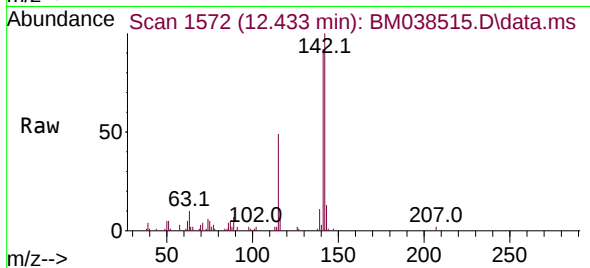
Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

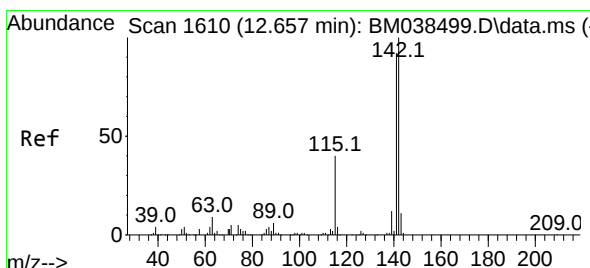
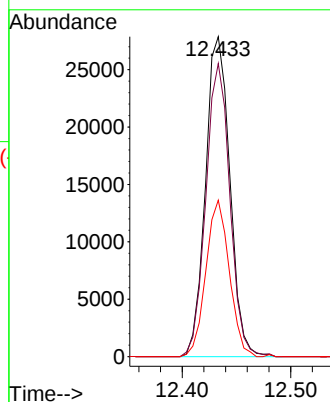
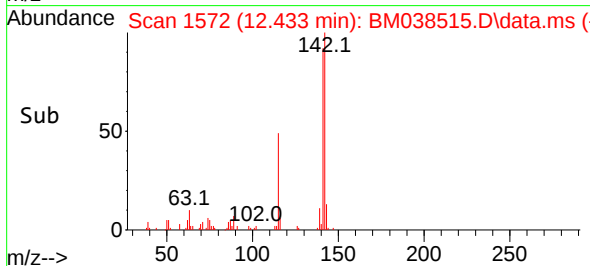


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 43578 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 91.6  | 70.7  | 106.1 |
| 115       | 48.9  | 30.4  | 45.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#38

1-Methylnaphthalene

Concen: 7.199 ng

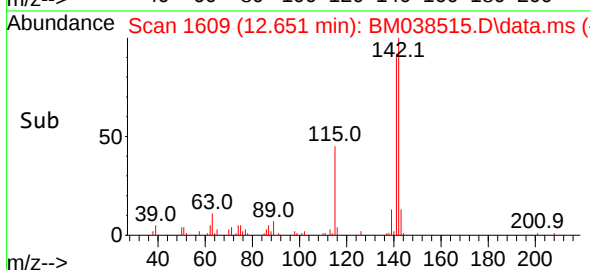
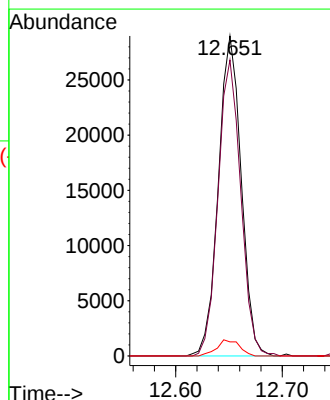
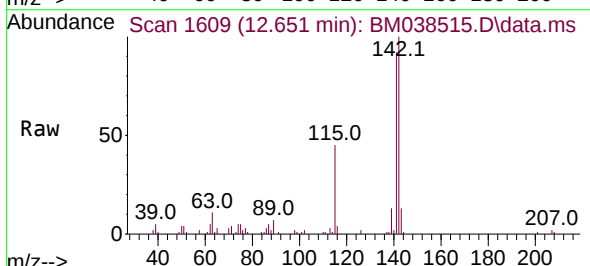
RT: 12.651 min Scan# 1609

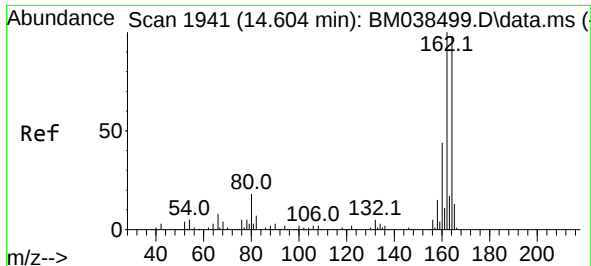
Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 43266 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 141       | 92.5  | 73.4  | 110.0 |
| 116       | 4.4   | 3.3   | 4.9   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.598 min Scan# 1941

Delta R.T. -0.006 min

Lab File: BM038515.D

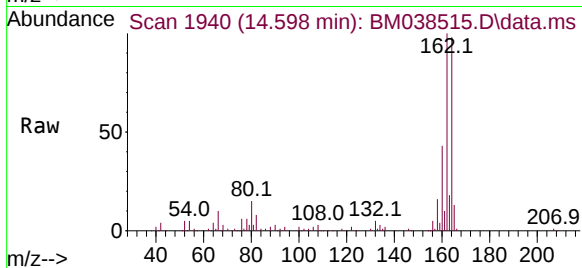
Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



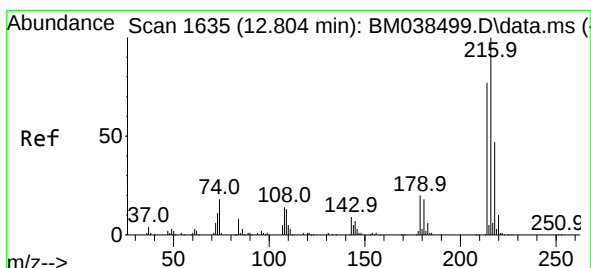
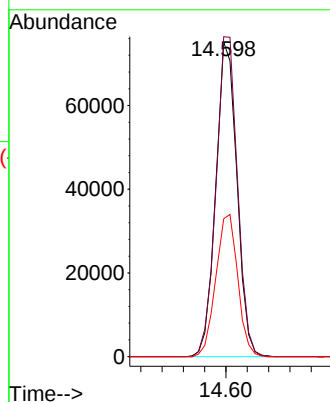
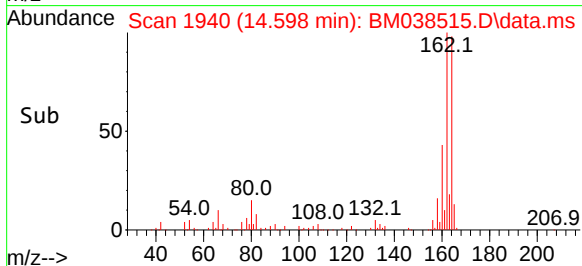
| Tgt Ion:  | 164   | Resp: | 10360 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 164       | 100   |       |       |
| 162       | 101.7 | 82.0  | 123.0 |
| 160       | 43.8  | 35.8  | 53.6  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/24/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.066 ng

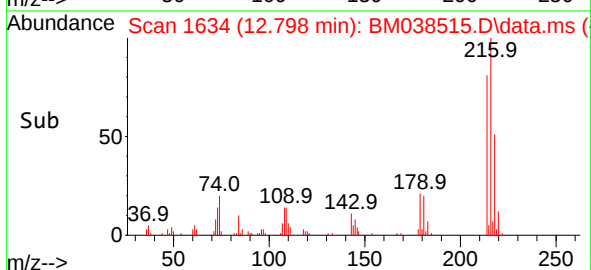
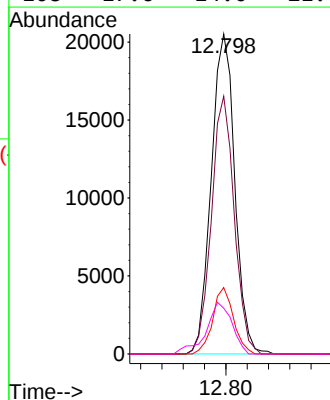
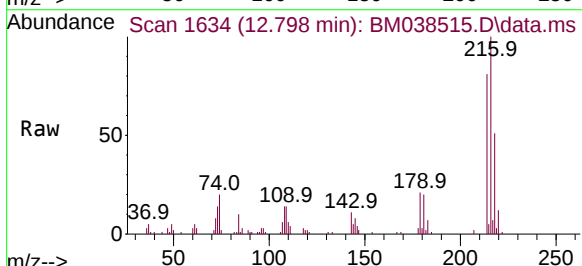
RT: 12.798 min Scan# 1634

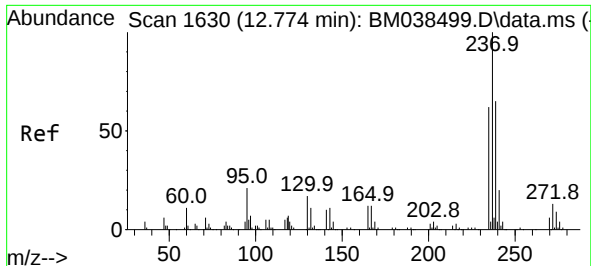
Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

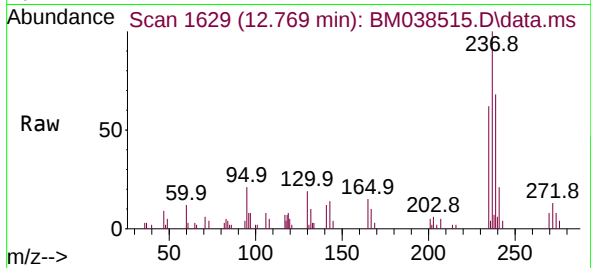
| Tgt Ion:  | 216   | Resp: | 31436 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 78.0  | 61.4  | 92.0  |
| 179       | 18.3  | 15.7  | 23.5  |
| 108       | 17.6  | 14.0  | 21.0  |





#41  
Hexachlorocyclopentadiene  
Concen: 7.553 ng  
RT: 12.769 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

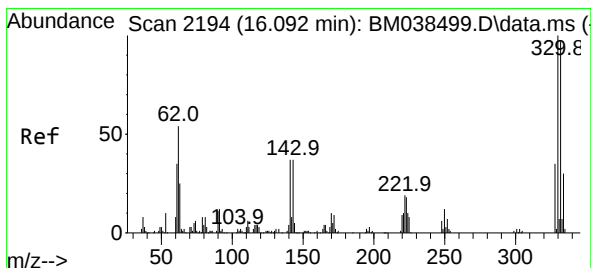
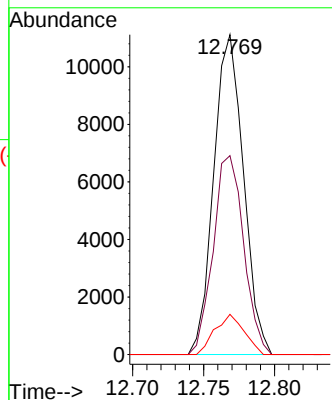
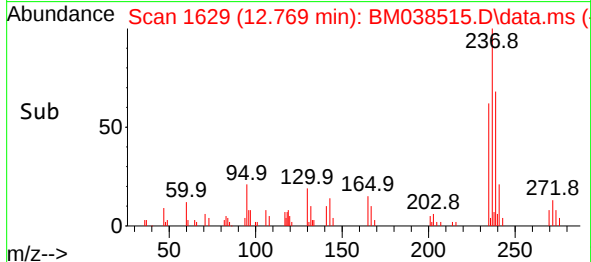
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



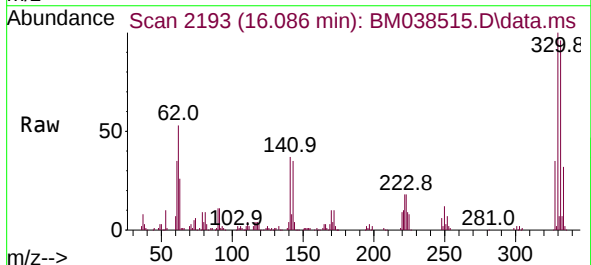
Tgt Ion: 237 Resp: 16179  
Ion Ratio Lower Upper  
237 100  
235 62.2 42.3 82.3  
272 12.6 0.0 32.9

Manual Integrations  
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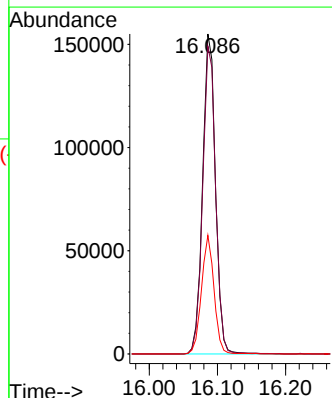
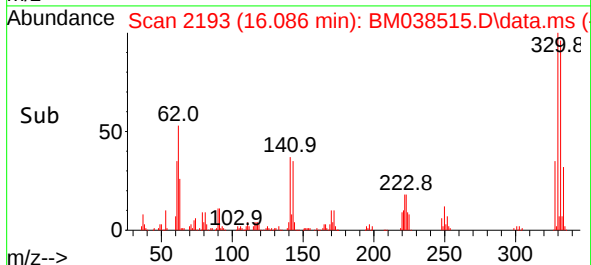
Reviewed By : Christian Giraldo 01/24/2023  
Supervised By : Jagrut Upadhyay 01/24/2023

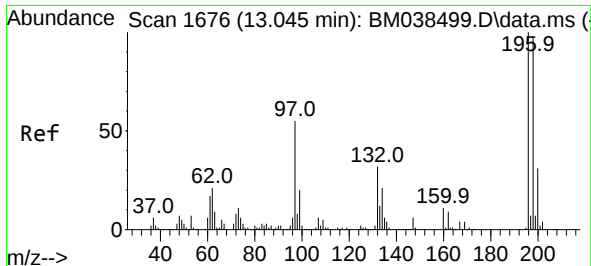


#42  
2,4,6-Tribromophenol  
Concen: 135.927 ng  
RT: 16.086 min Scan# 2193  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion: 330 Resp: 202799  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.5 116.3  
141 36.3 29.0 43.4





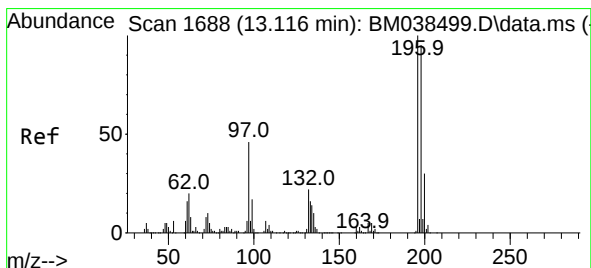
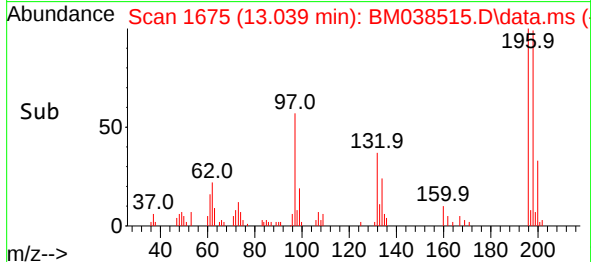
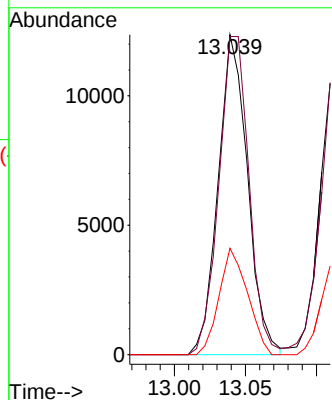
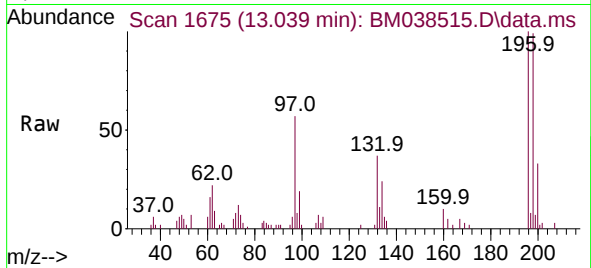
#43  
2,4,6-Trichlorophenol  
Concen: 7.136 ng  
RT: 13.039 min Scan# 1675  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument : BNA\_M  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:196 Resp: 1780  
Ion Ratio Lower Upper  
196 100  
198 99.4 77.9 116.9  
200 33.2 24.5 36.7

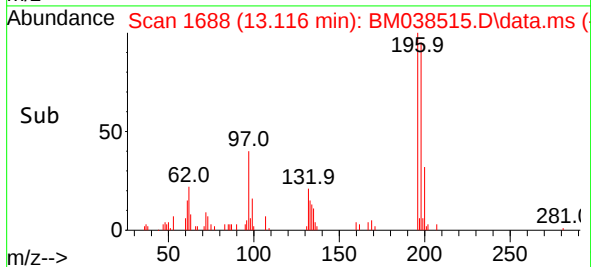
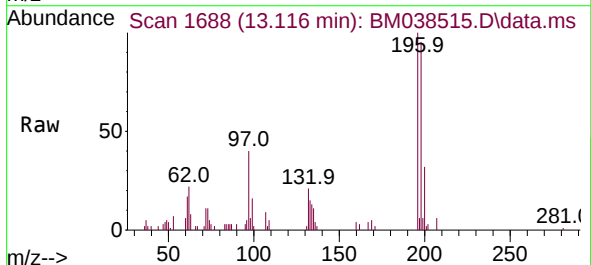
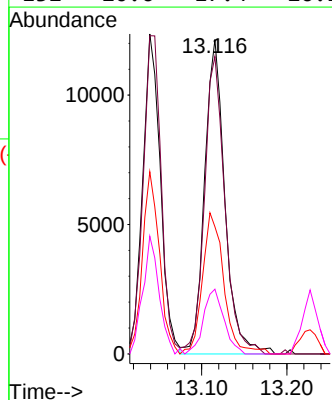
Manual Integrations  
APPROVED

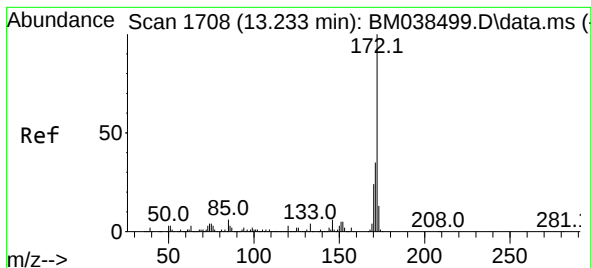
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#44  
2,4,5-Trichlorophenol  
Concen: 6.884 ng  
RT: 13.116 min Scan# 1688  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

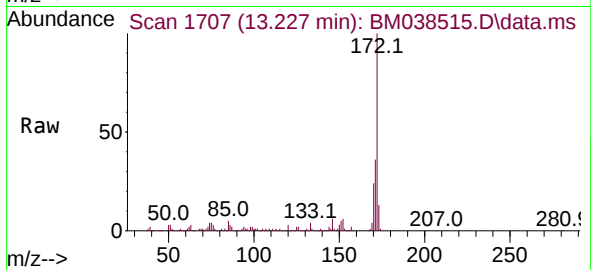
Tgt Ion:196 Resp: 20116  
Ion Ratio Lower Upper  
196 100  
198 94.6 76.0 114.0  
97 40.4 36.9 55.3  
132 20.6 17.4 26.2





#45  
2-Fluorobiphenyl  
Concen: 77.545 ng  
RT: 13.227 min Scan# 1707  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

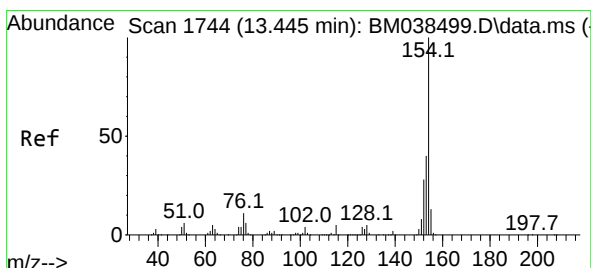
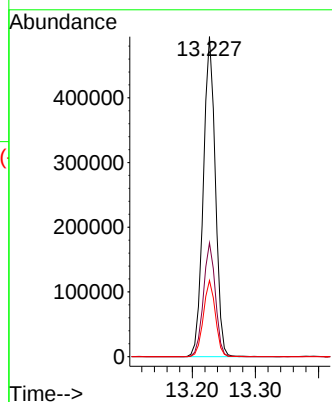
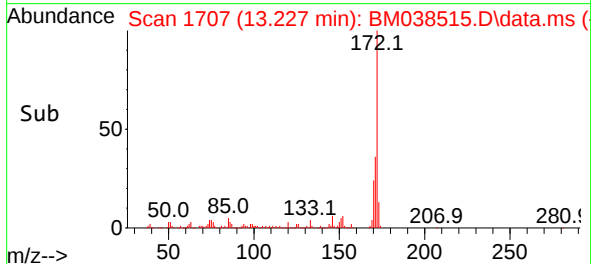
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



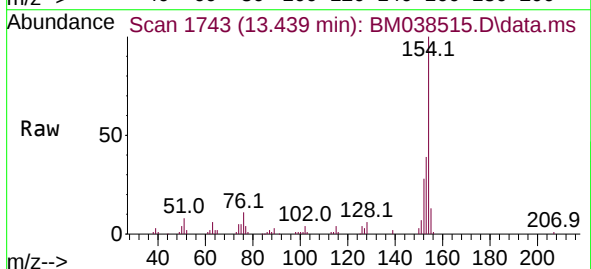
Tgt Ion:172 Resp: 652219  
Ion Ratio Lower Upper  
172 100  
171 35.5 28.0 42.0  
170 23.8 19.5 29.3

Manual Integrations  
APPROVED

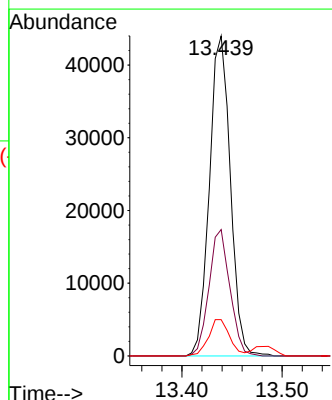
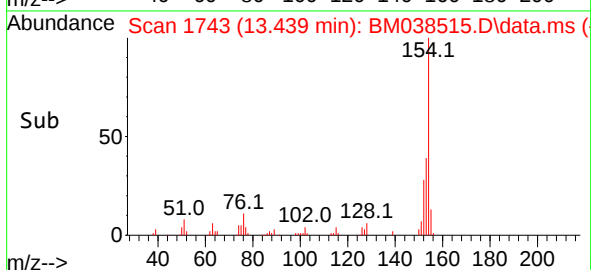
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

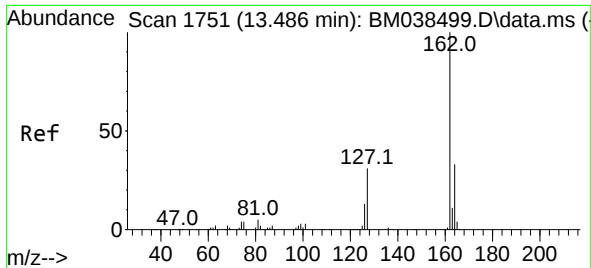


#46  
1,1'-Biphenyl  
Concen: 7.691 ng  
RT: 13.439 min Scan# 1743  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:154 Resp: 63817  
Ion Ratio Lower Upper  
154 100  
153 39.5 20.1 60.1  
76 11.3 0.0 31.3





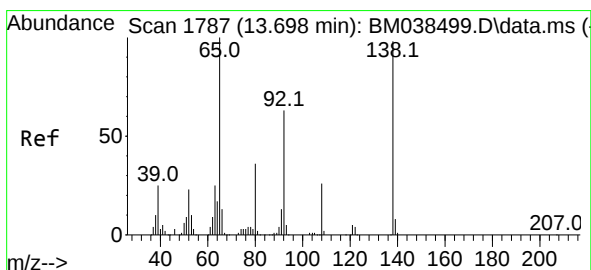
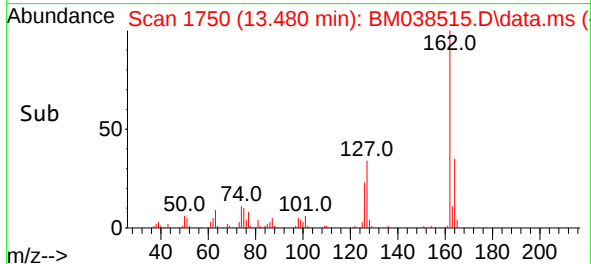
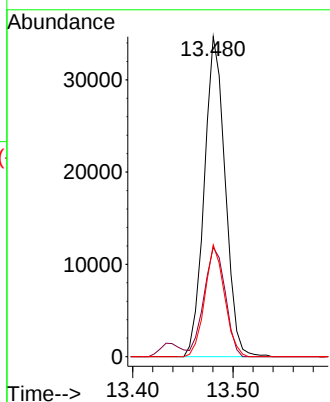
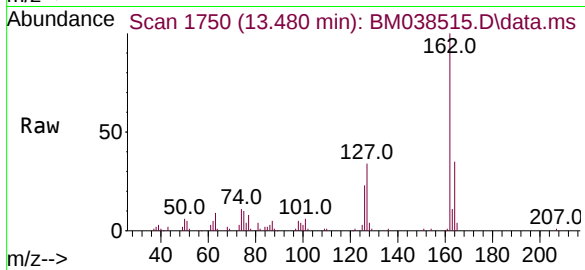
#47  
2-Chloronaphthalene  
Concen: 7.743 ng  
RT: 13.480 min Scan# 1751  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument : BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:162 Resp: 50152  
Ion Ratio Lower Upper  
162 100  
127 34.1 27.4 41.2  
164 34.9 26.7 40.1

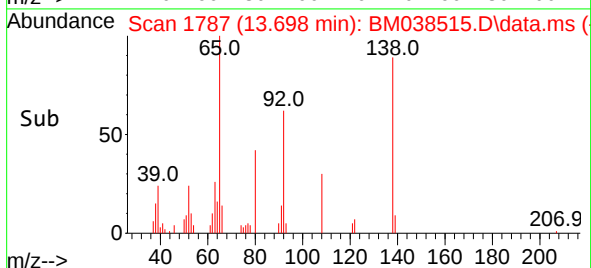
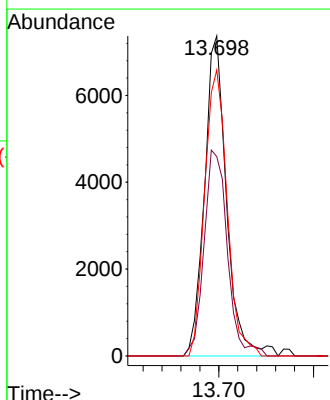
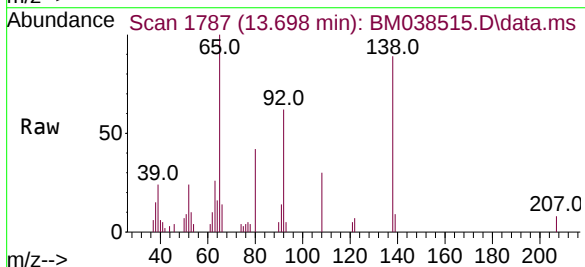
Manual Integrations  
APPROVED

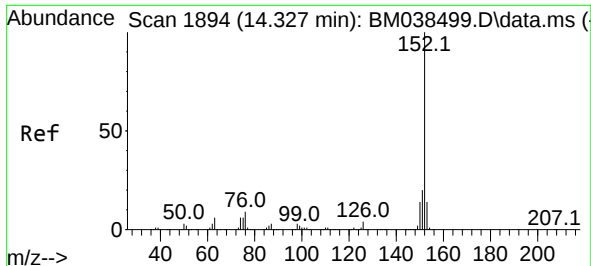
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#48  
2-Nitroaniline  
Concen: 6.251 ng  
RT: 13.698 min Scan# 1787  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

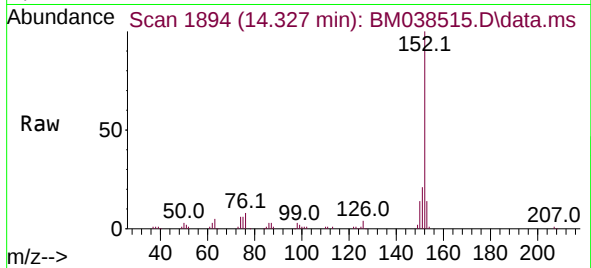
Tgt Ion: 65 Resp: 11890  
Ion Ratio Lower Upper  
65 100  
92 62.3 50.0 75.0  
138 89.3 78.2 117.2





#49  
Acenaphthylene  
Concen: 6.980 ng  
RT: 14.327 min Scan# 1894  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

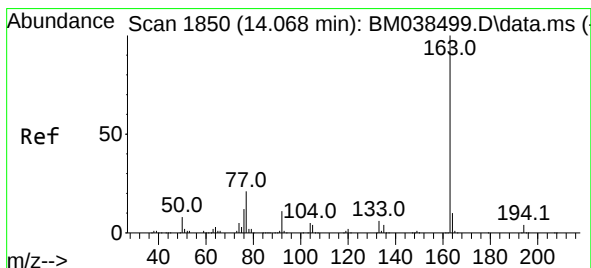
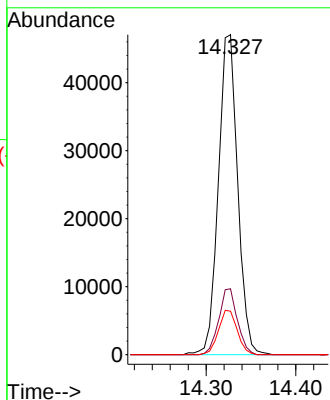
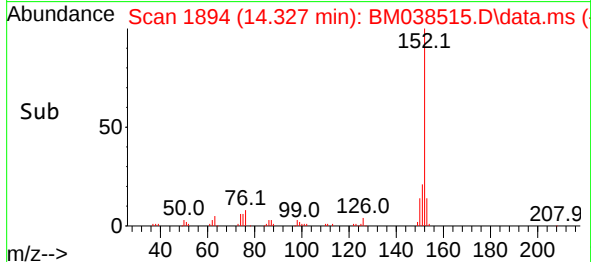
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



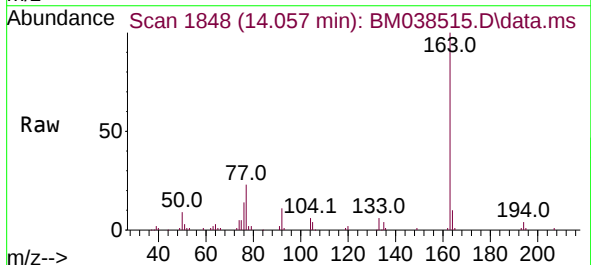
Tgt Ion:152 Resp: 70732  
Ion Ratio Lower Upper  
152 100  
151 20.6 16.0 24.0  
153 13.6 10.8 16.2

Manual Integrations  
APPROVED

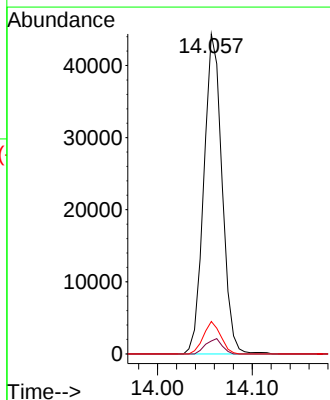
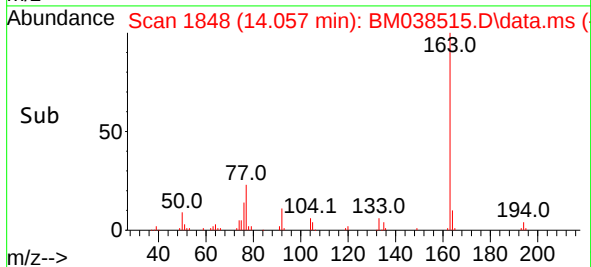
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

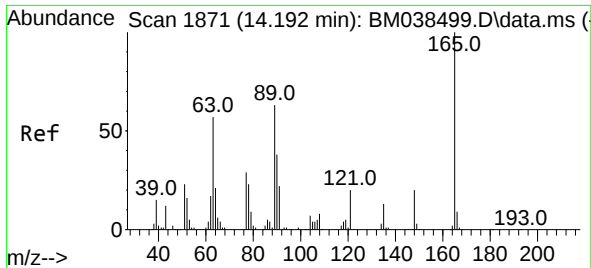


#50  
Dimethylphthalate  
Concen: 7.439 ng  
RT: 14.057 min Scan# 1848  
Delta R.T. -0.012 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:163 Resp: 59332  
Ion Ratio Lower Upper  
163 100  
194 4.0 3.3 4.9  
164 10.1 8.0 12.0





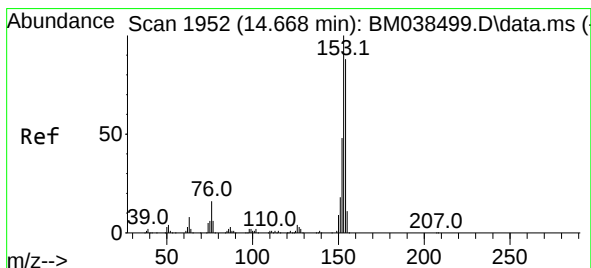
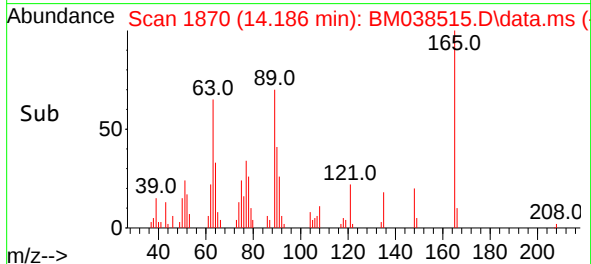
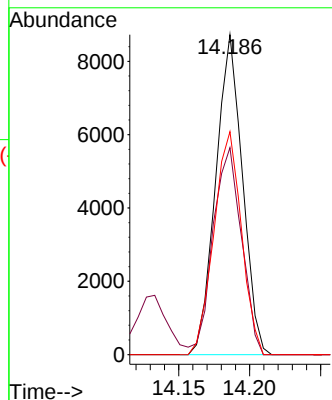
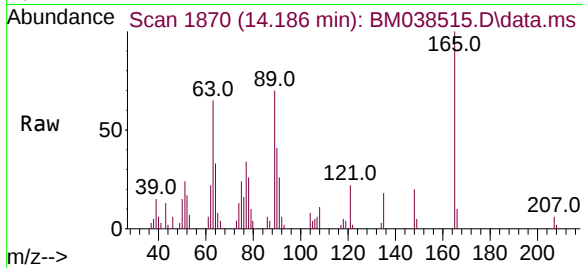
#51  
2,6-Dinitrotoluene  
Concen: 6.797 ng  
RT: 14.186 min Scan# 1871  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:165 Resp: 11409  
Ion Ratio Lower Upper  
165 100  
63 64.7 51.0 76.4  
89 69.7 50.2 75.4

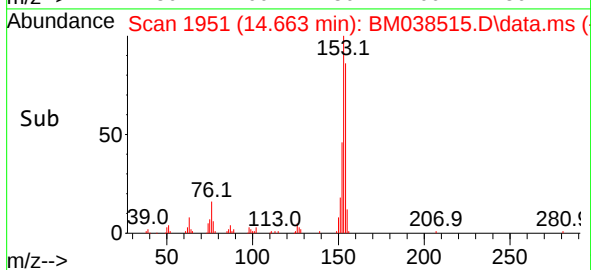
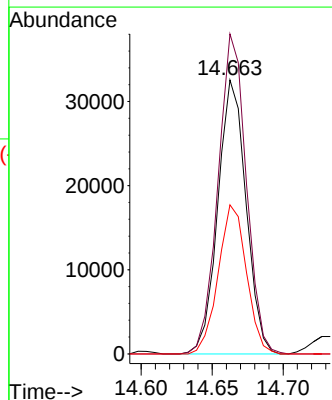
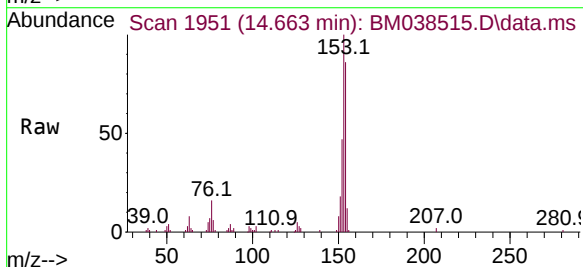
Manual Integrations  
APPROVED

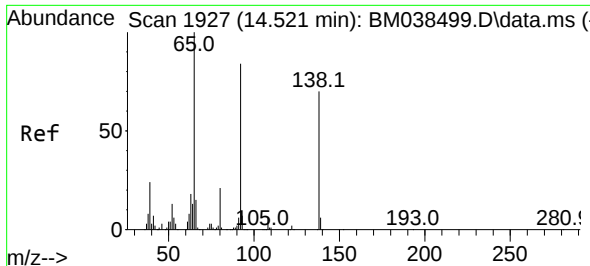
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#52  
Acenaphthene  
Concen: 7.278 ng  
RT: 14.663 min Scan# 1951  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

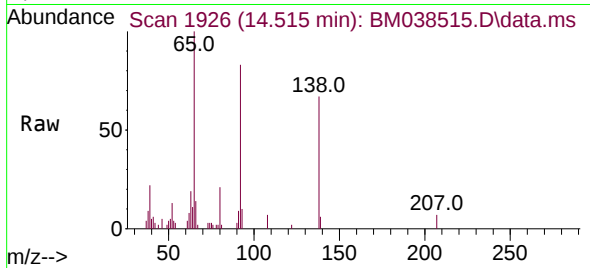
Tgt Ion:154 Resp: 44982  
Ion Ratio Lower Upper  
154 100  
153 116.9 90.7 136.1  
152 54.4 43.8 65.8





#53  
3-Nitroaniline  
Concen: 5.964 ng  
RT: 14.515 min Scan# 1926  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

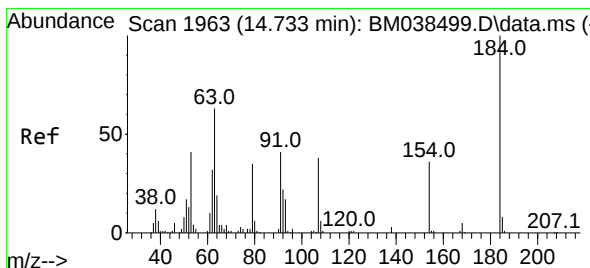
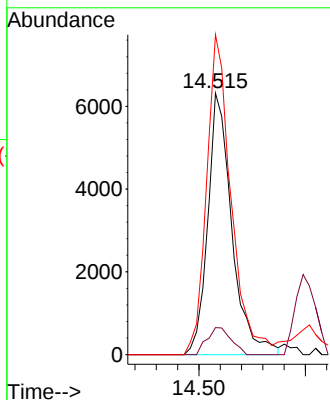
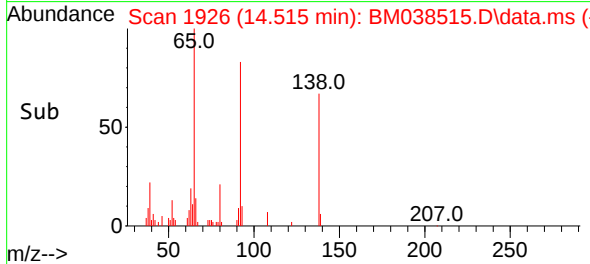
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:138 Resp: 994  
Ion Ratio Lower Upper  
138 100  
108 10.3 7.0 10.4  
92 122.4 95.7 143.5

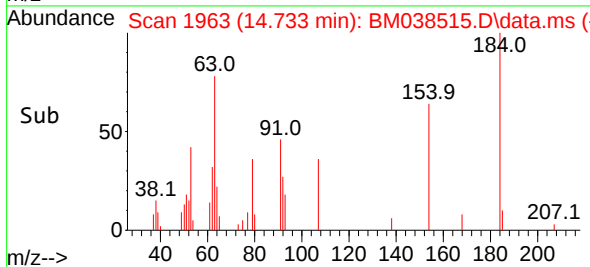
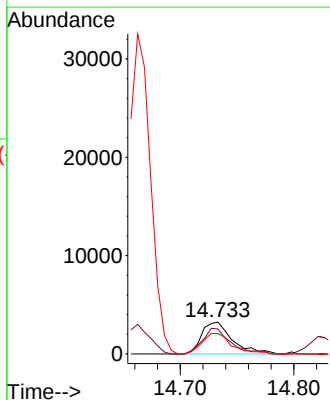
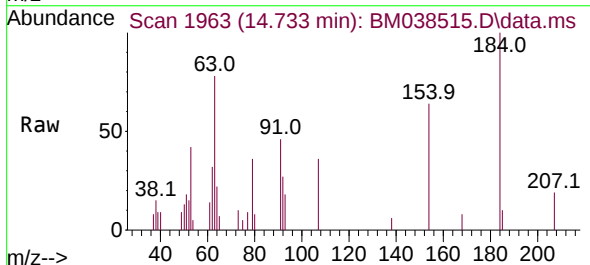
Manual Integrations  
APPROVED

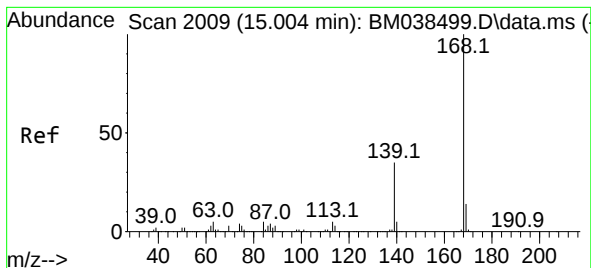
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#54  
2,4-Dinitrophenol  
Concen: 9.175 ng  
RT: 14.733 min Scan# 1963  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion:184 Resp: 6027  
Ion Ratio Lower Upper  
184 100  
63 78.0 52.2 78.4  
154 64.2 48.9 73.3





#55

Dibenzofuran

Concen: 7.399 ng

RT: 14.998 min Scan# 2009

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

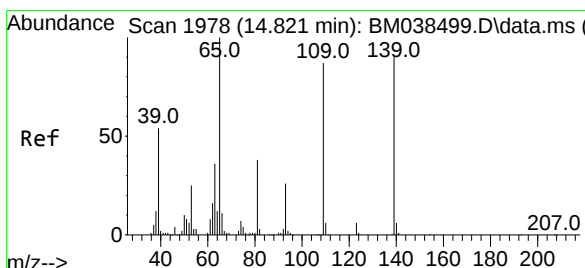
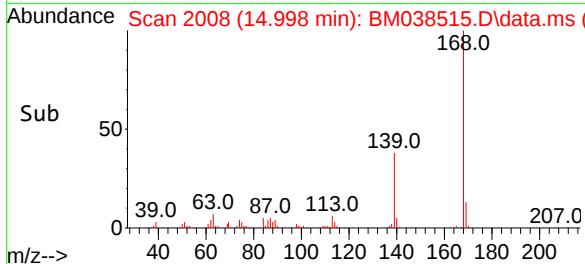
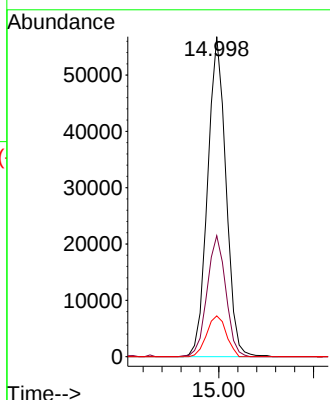
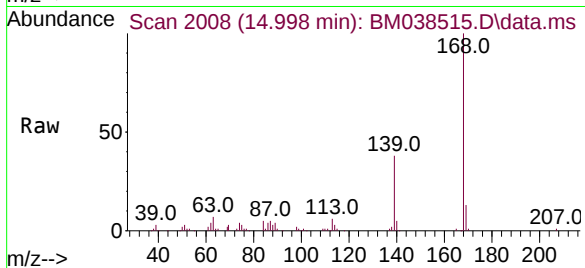
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:168 Resp: 7645  
 Ion Ratio Lower Upper  
 168 100  
 139 37.8 27.9 41.9  
 169 12.7 11.0 16.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
 Supervised By :Jagrut Upadhyay 01/24/2023



#56

4-Nitrophenol

Concen: 5.292 ng

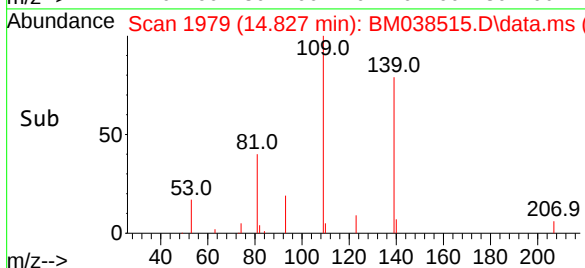
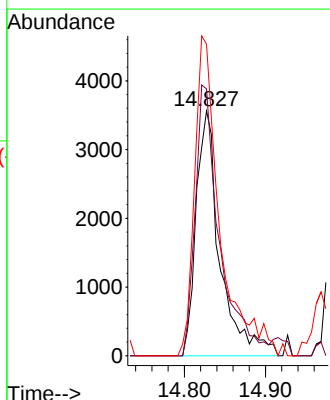
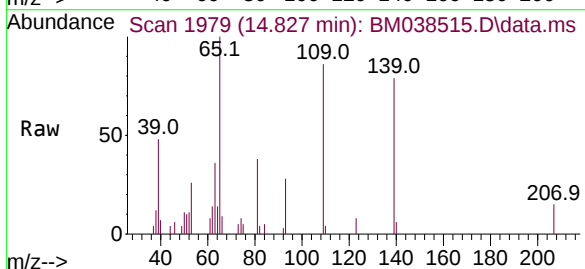
RT: 14.827 min Scan# 1979

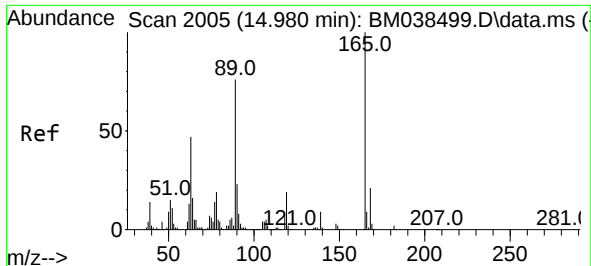
Delta R.T. 0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

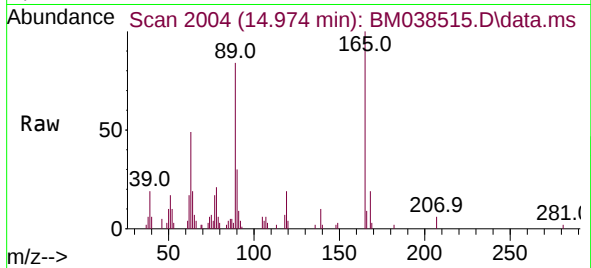
Tgt Ion:139 Resp: 7269  
 Ion Ratio Lower Upper  
 139 100  
 109 109.0 76.8 116.8  
 65 127.2 91.7 131.7





#57  
2,4-Dinitrotoluene  
Concen: 6.342 ng  
RT: 14.974 min Scan# 2005  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

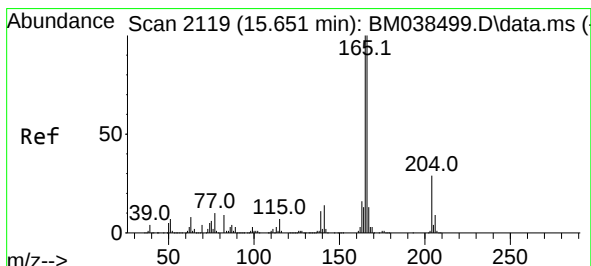
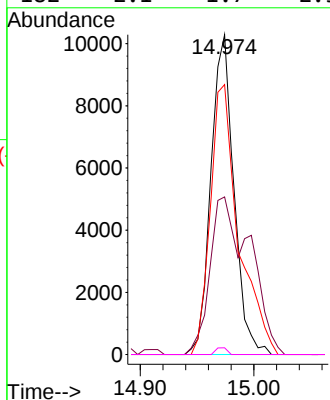
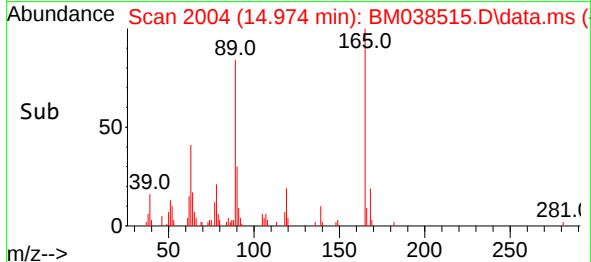
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:165 Resp: 14429  
Ion Ratio Lower Upper  
165 100  
63 49.3 37.8 56.8  
89 84.4 60.9 91.3  
182 2.1 1.7 2.5

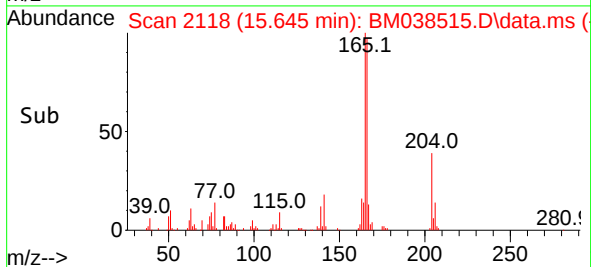
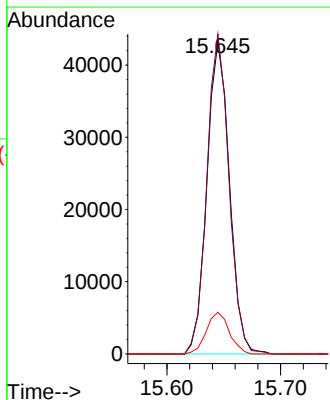
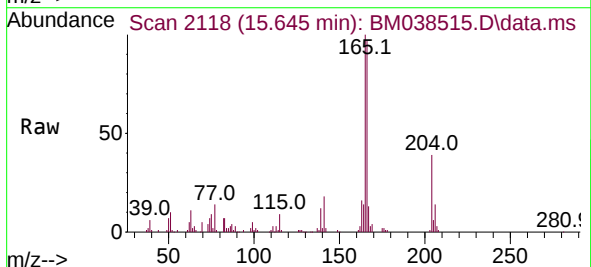
Manual Integrations  
APPROVED

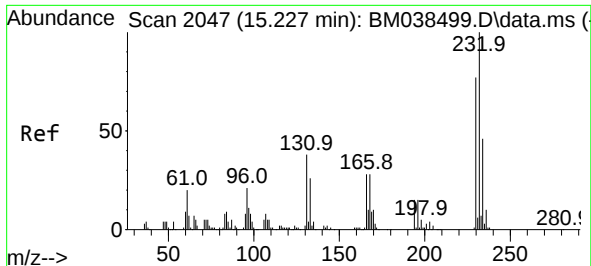
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#58  
Fluorene  
Concen: 7.119 ng  
RT: 15.645 min Scan# 2118  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

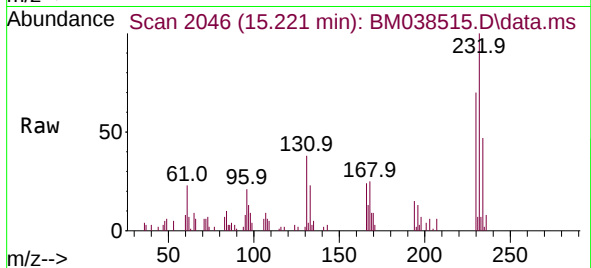
Tgt Ion:166 Resp: 59647  
Ion Ratio Lower Upper  
166 100  
165 102.6 79.6 119.4  
167 13.3 10.5 15.7





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 7.264 ng  
RT: 15.221 min Scan# 2046  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

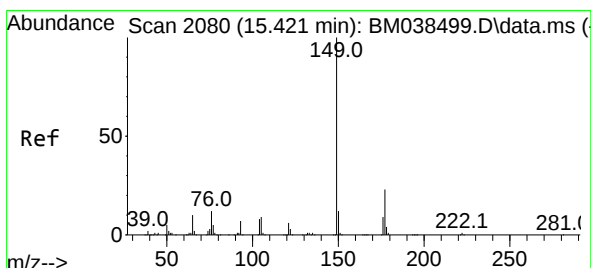
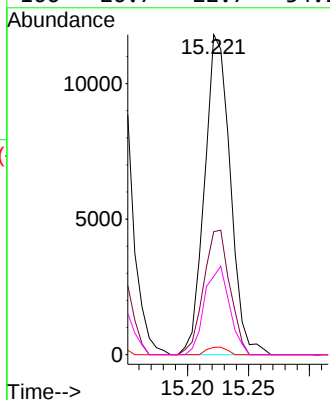
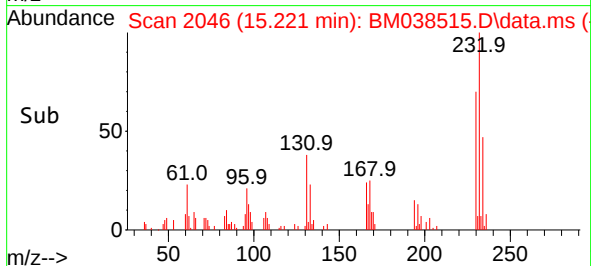
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



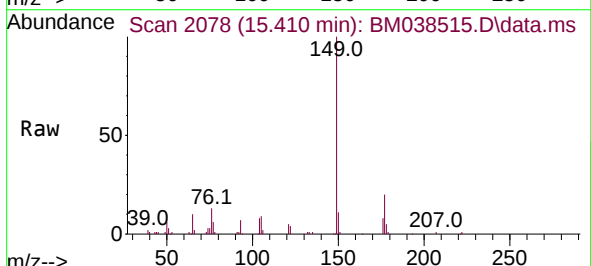
Tgt Ion:232 Resp: 1735  
Ion Ratio Lower Upper  
232 100  
131 39.7 31.0 46.4  
130 1.8 1.8 2.6  
166 26.7 22.7 34.1

Manual Integrations  
APPROVED

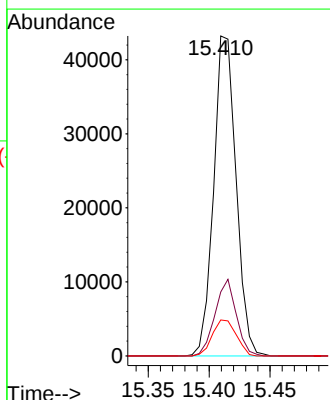
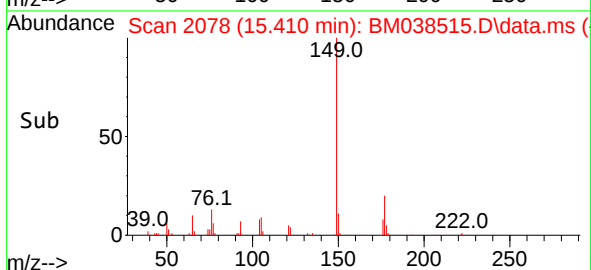
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

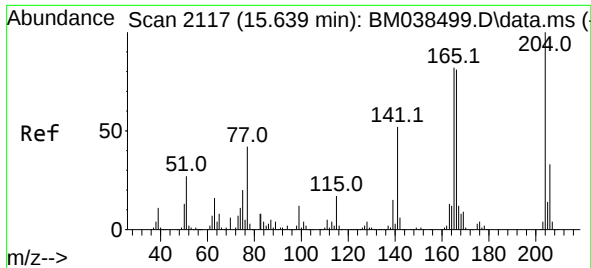


#60  
Diethylphthalate  
Concen: 7.077 ng  
RT: 15.410 min Scan# 2078  
Delta R.T. -0.012 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



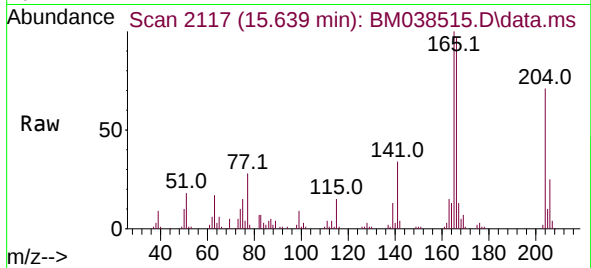
Tgt Ion:149 Resp: 55272  
Ion Ratio Lower Upper  
149 100  
177 20.0 18.6 27.8  
150 11.2 9.5 14.3





#61  
4-Chlorophenyl-phenylether  
Concen: 7.553 ng  
RT: 15.639 min Scan# 2117  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

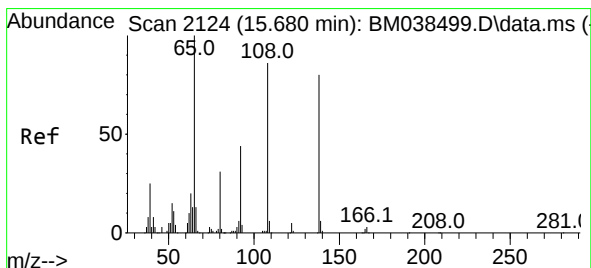
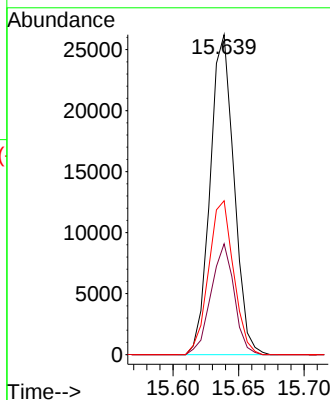
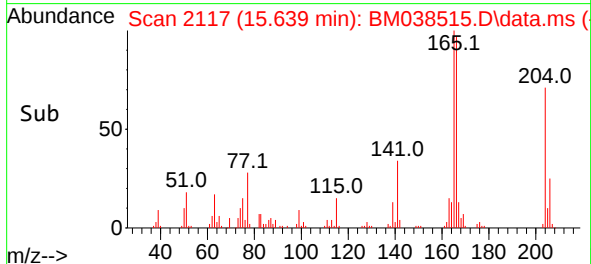
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



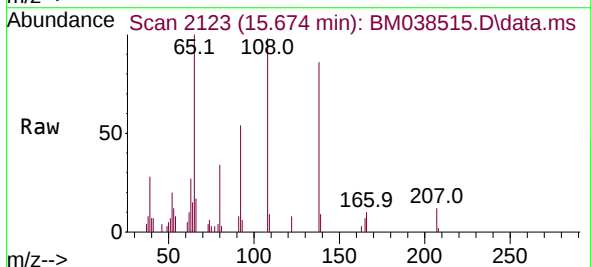
Tgt Ion: 204 Resp: 33225  
Ion Ratio Lower Upper  
204 100  
206 34.6 26.2 39.4  
141 48.1 41.5 62.3

Manual Integrations  
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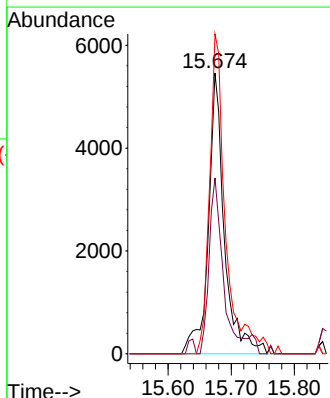
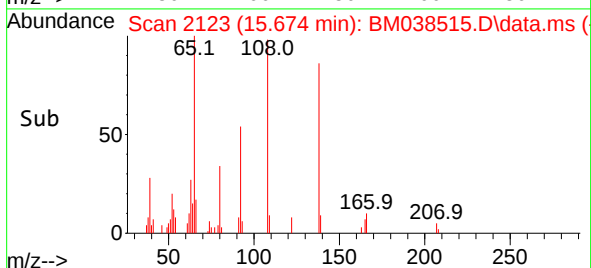
Reviewed By : Christian Giraldo 01/24/2023  
Supervised By : Jagrut Upadhyay 01/24/2023

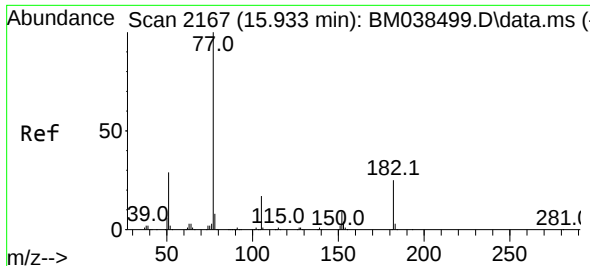


#62  
4-Nitroaniline  
Concen: 8.065 ng  
RT: 15.674 min Scan# 2123  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



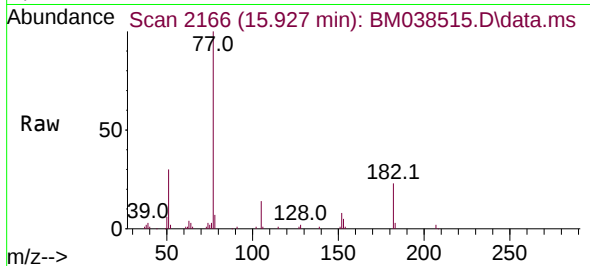
Tgt Ion: 138 Resp: 9648  
Ion Ratio Lower Upper  
138 100  
92 62.6 35.2 75.2  
108 113.9 87.3 127.3





#63  
Azobenzene  
Concen: 7.076 ng  
RT: 15.927 min Scan# 2166  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

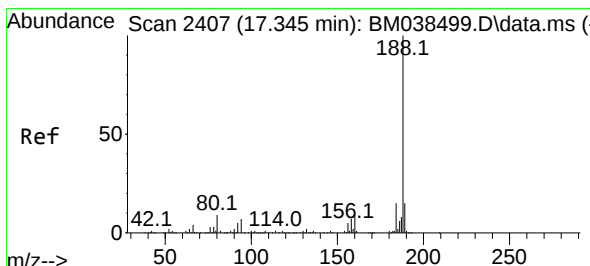
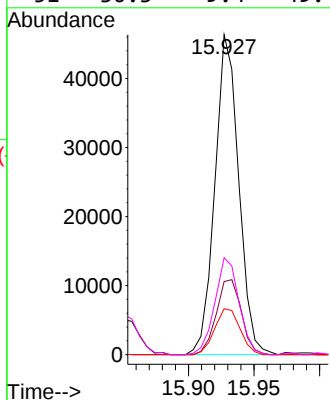
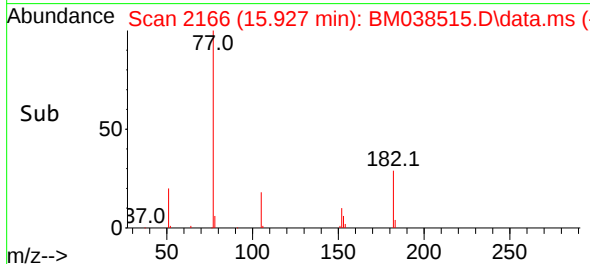
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 77 Resp: 5855  
Ion Ratio Lower Upper  
77 100  
182 22.8 4.7 44.7  
105 14.3 0.0 36.7  
51 30.3 9.4 49.4

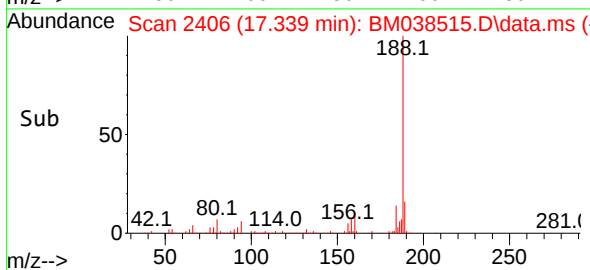
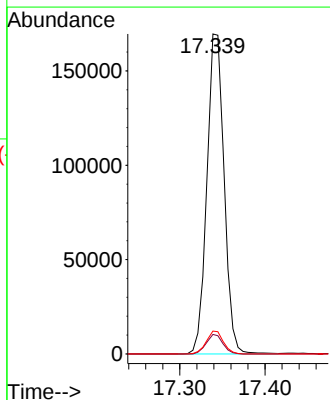
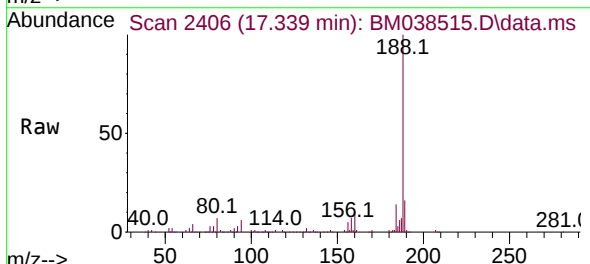
Manual Integrations  
APPROVED

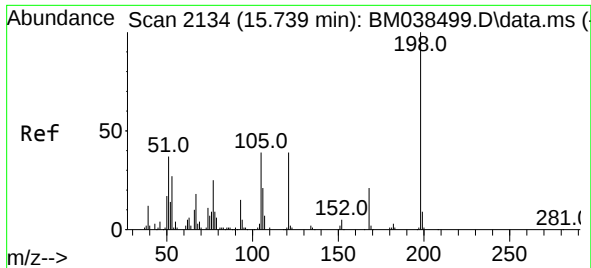
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.339 min Scan# 2406  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion:188 Resp: 238082  
Ion Ratio Lower Upper  
188 100  
94 6.1 6.0 9.0  
80 7.1 6.9 10.3





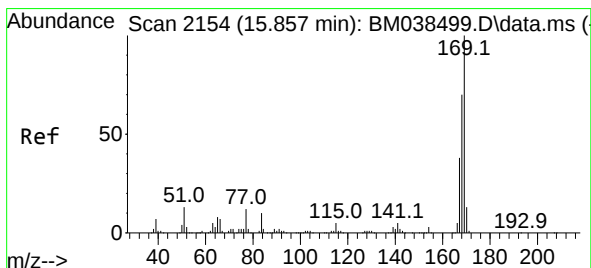
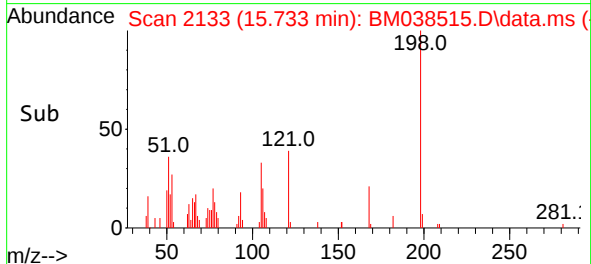
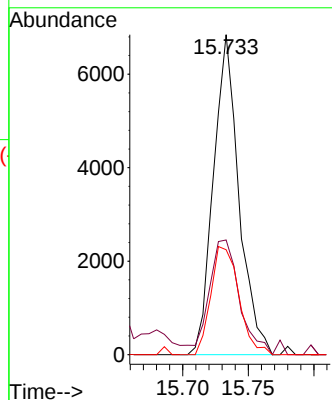
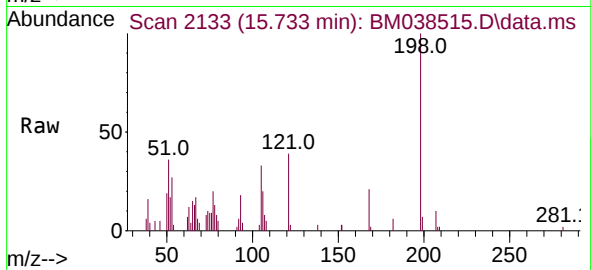
#65  
4,6-Dinitro-2-methylphenol  
Concen: 5.997 ng  
RT: 15.733 min Scan# 2133  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:198 Resp: 9268  
Ion Ratio Lower Upper  
198 100  
51 35.8 18.8 58.8  
105 32.8 19.7 59.7

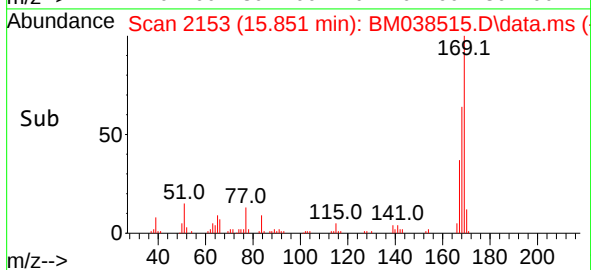
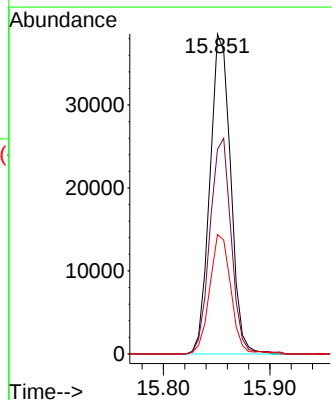
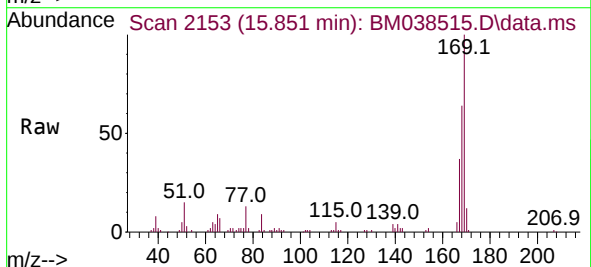
Manual Integrations  
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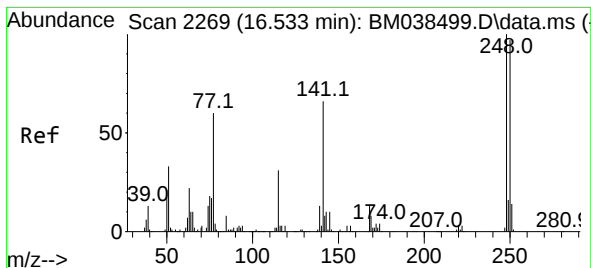
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#66  
n-Nitrosodiphenylamine  
Concen: 7.300 ng  
RT: 15.851 min Scan# 2153  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

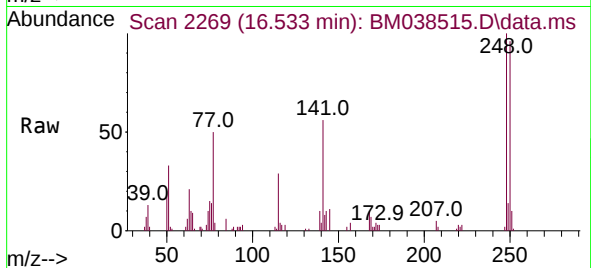
Tgt Ion:169 Resp: 52179  
Ion Ratio Lower Upper  
169 100  
168 63.9 55.8 83.8  
167 37.3 30.3 45.5





#67  
4-Bromophenyl-phenylether  
Concen: 7.754 ng  
RT: 16.533 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

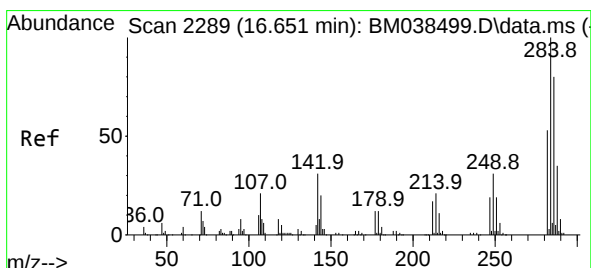
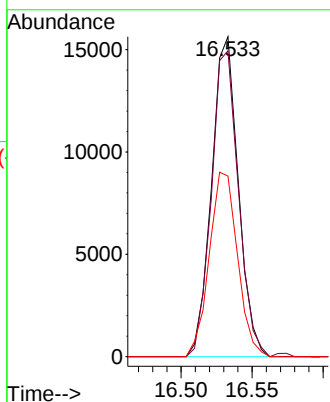
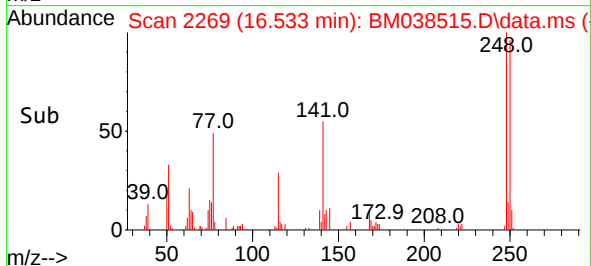
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



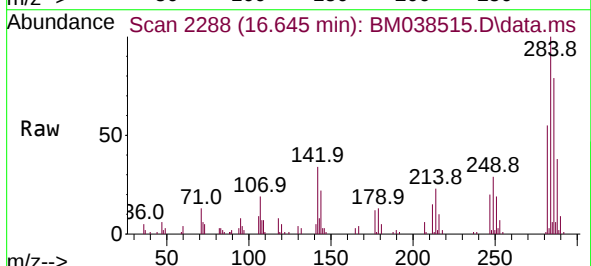
Tgt Ion:248 Resp: 2047  
Ion Ratio Lower Upper  
248 100  
250 95.6 77.6 116.4  
141 56.4 52.5 78.7

Manual Integrations  
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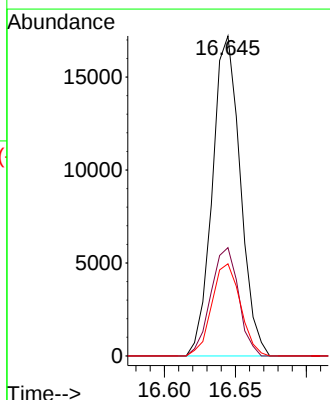
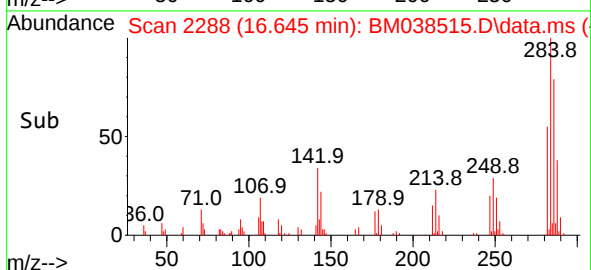
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

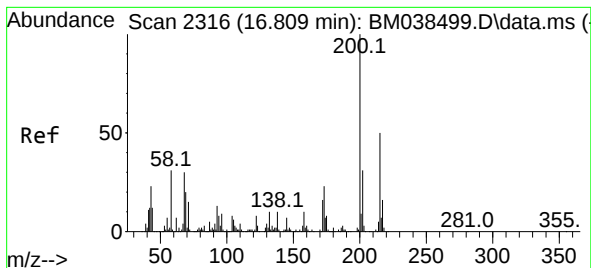


#68  
Hexachlorobenzene  
Concen: 8.251 ng  
RT: 16.645 min Scan# 2288  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:284 Resp: 23514  
Ion Ratio Lower Upper  
284 100  
142 33.8 25.2 37.8  
249 28.8 24.4 36.6





#69

Atrazine

Concen: 7.704 ng

RT: 16.798 min Scan# 2314

Delta R.T. -0.012 min

Lab File: BM038515.D

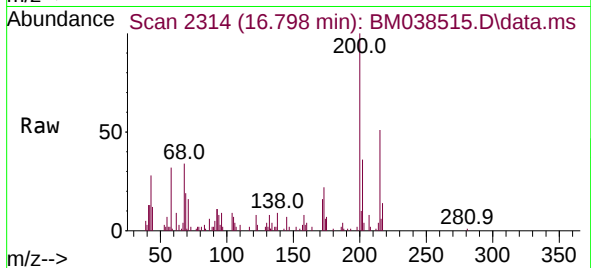
Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



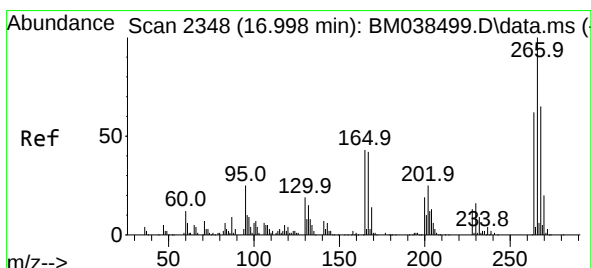
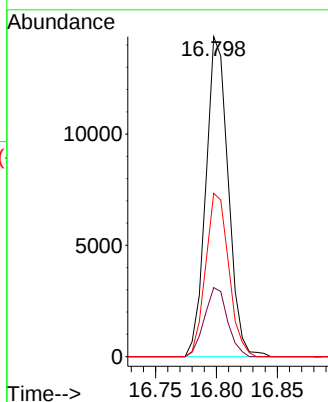
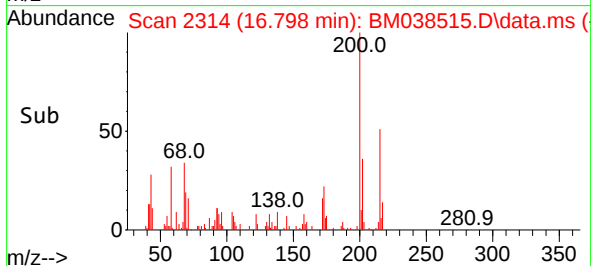
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 200   | Resp: | 18370 |
| Ion Ratio | Lower | Upper |       |
| 200       | 100   |       |       |
| 173       | 21.6  | 3.5   | 43.5  |
| 215       | 51.0  | 30.0  | 70.0  |

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/24/2023



#70

Pentachlorophenol

Concen: 6.315 ng

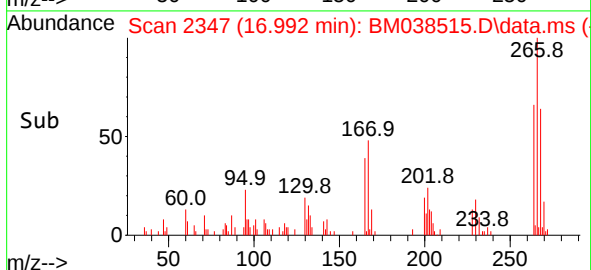
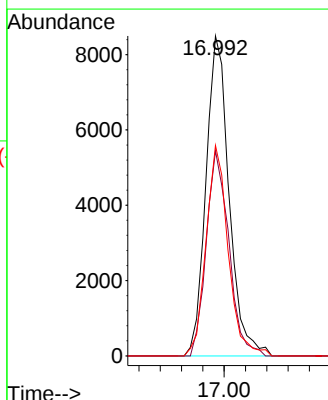
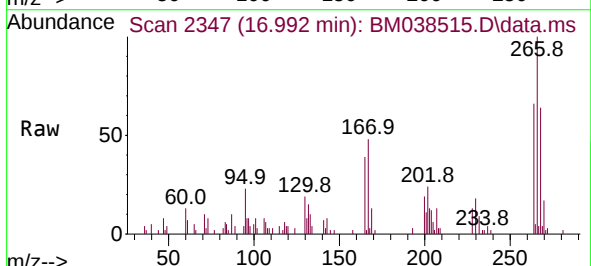
RT: 16.992 min Scan# 2347

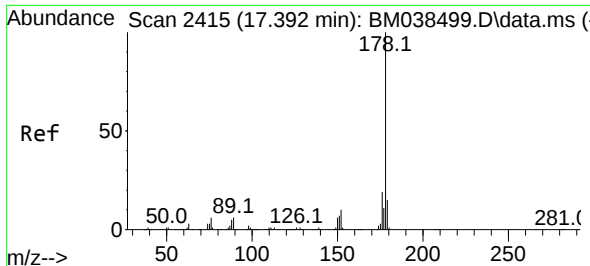
Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 266   | Resp: | 12813 |
| Ion Ratio | Lower | Upper |       |
| 266       | 100   |       |       |
| 268       | 64.1  | 51.7  | 77.5  |
| 264       | 71.1  | 49.4  | 74.0  |





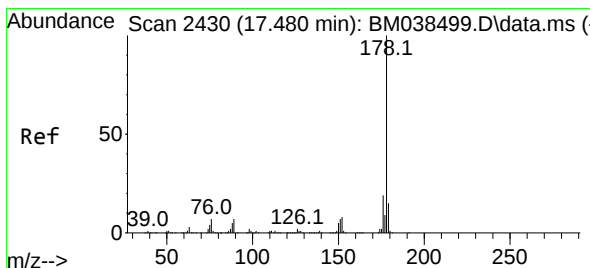
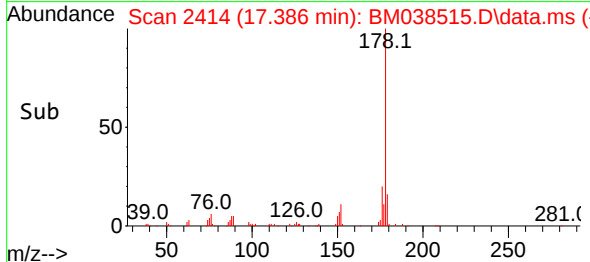
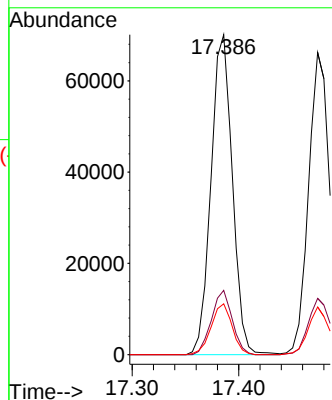
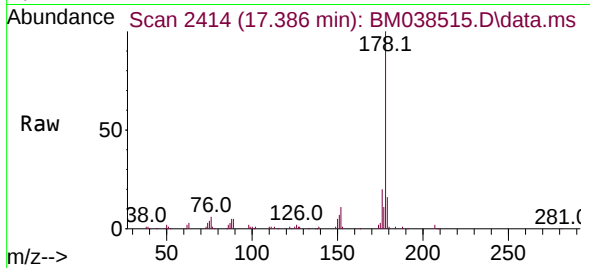
#71  
Phenanthrene  
Concen: 7.361 ng  
RT: 17.386 min Scan# 2415  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument : BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:178 Resp: 97868  
Ion Ratio Lower Upper  
178 100  
176 20.1 15.4 23.2  
179 15.9 12.2 18.4

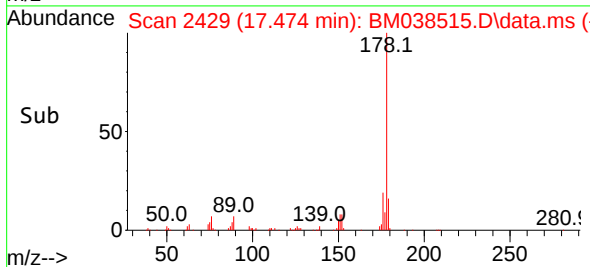
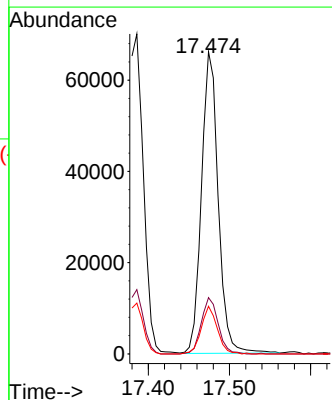
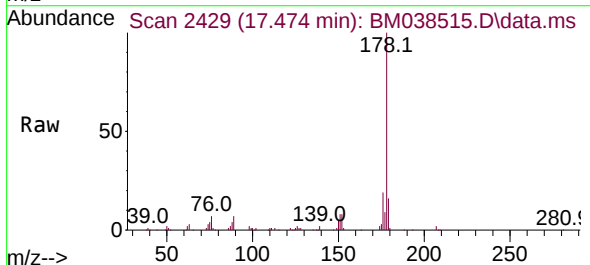
Manual Integrations  
APPROVED

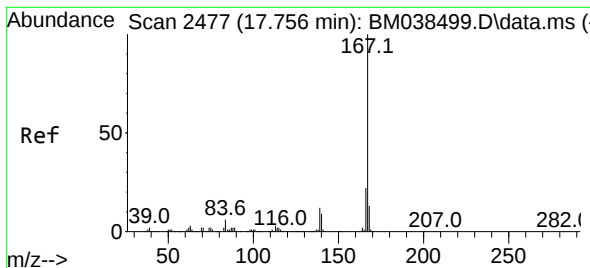
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#72  
Anthracene  
Concen: 7.013 ng  
RT: 17.474 min Scan# 2429  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion:178 Resp: 94881  
Ion Ratio Lower Upper  
178 100  
176 18.6 15.0 22.6  
179 15.7 12.2 18.4





#73

Carbazole

Concen: 7.078 ng

RT: 17.751 min Scan# 24

Delta R.T. -0.006 min

Lab File: BM038515.D

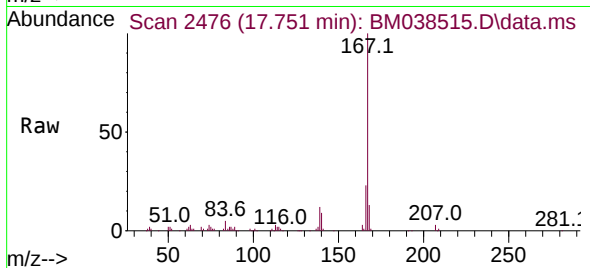
Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:167 Resp: 84325

Ion Ratio Lower Upper

167 100

166 22.8 17.7 26.5

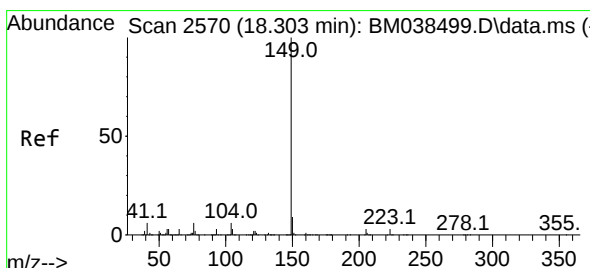
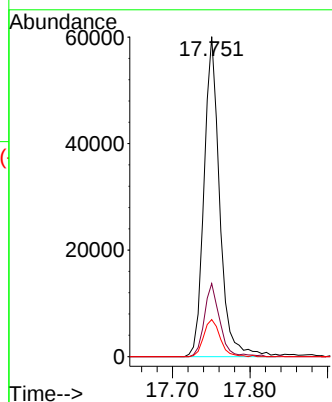
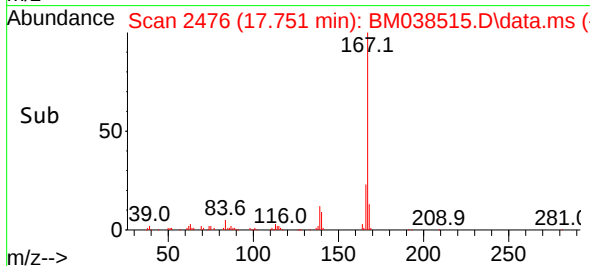
139 11.6 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/24/2023



#74

Di-n-butylphthalate

Concen: 6.447 ng

RT: 18.298 min Scan# 2569

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

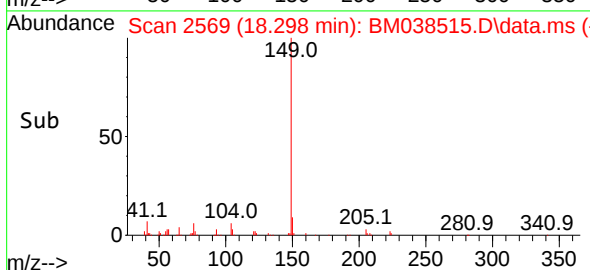
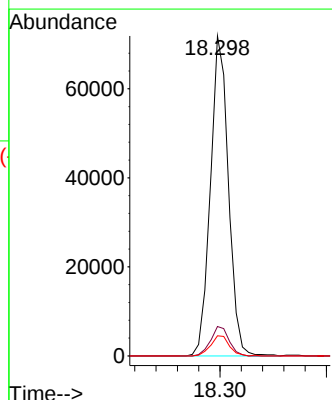
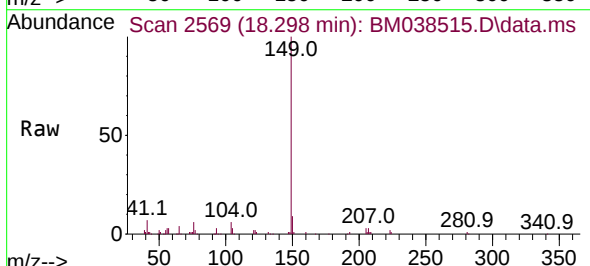
Tgt Ion:149 Resp: 84388

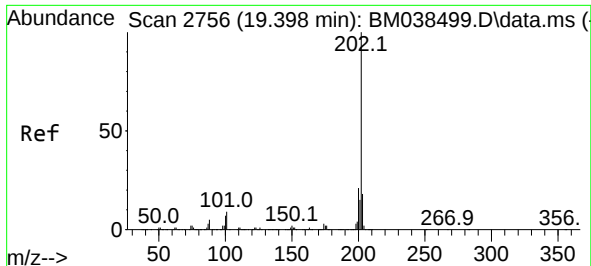
Ion Ratio Lower Upper

149 100

150 9.2 7.4 11.0

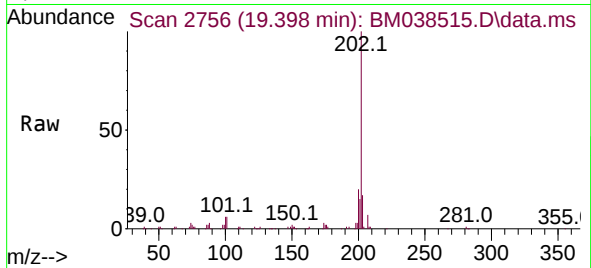
104 6.3 4.6 6.8





#75  
Fluoranthene  
Concen: 7.206 ng  
RT: 19.398 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

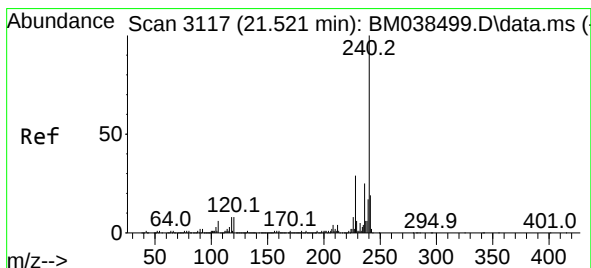
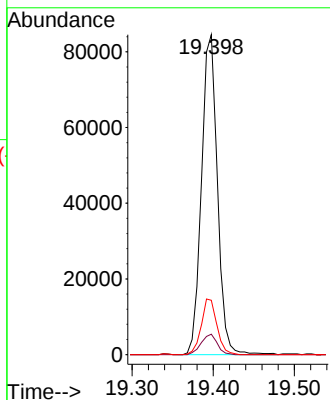
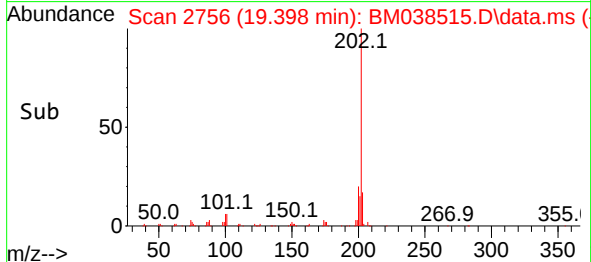
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



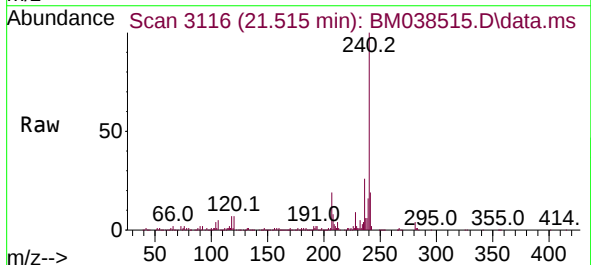
Tgt Ion:202 Resp: 115149  
Ion Ratio Lower Upper  
202 100  
101 6.4 0.0 28.7  
203 17.0 0.0 37.6

Manual Integrations  
APPROVED

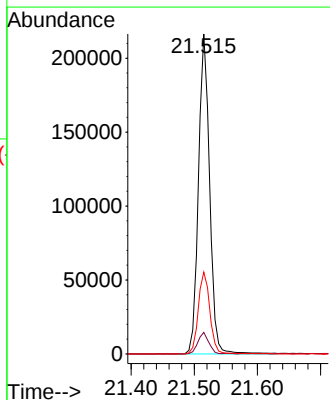
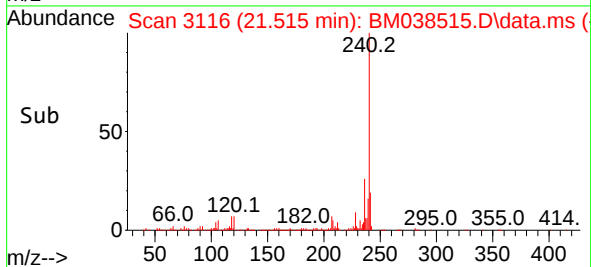
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

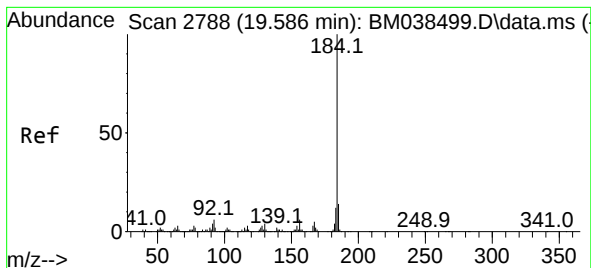


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.515 min Scan# 3116  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:240 Resp: 265619  
Ion Ratio Lower Upper  
240 100  
120 6.7 6.2 9.2  
236 25.6 20.2 30.2





#77

Benzidine

Concen: 7.755 ng

RT: 19.586 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

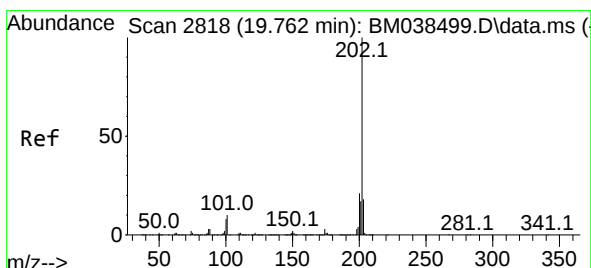
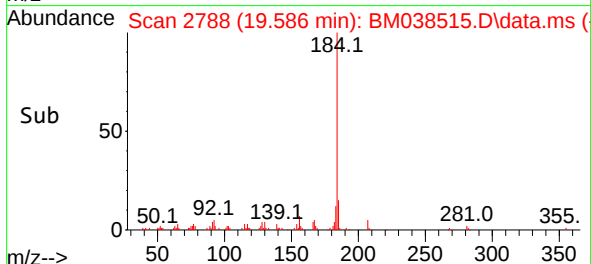
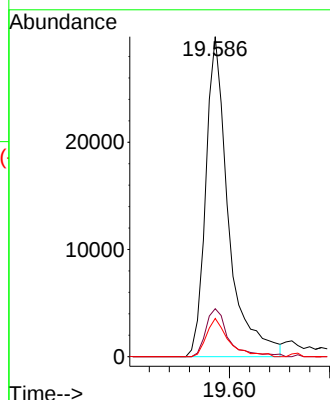
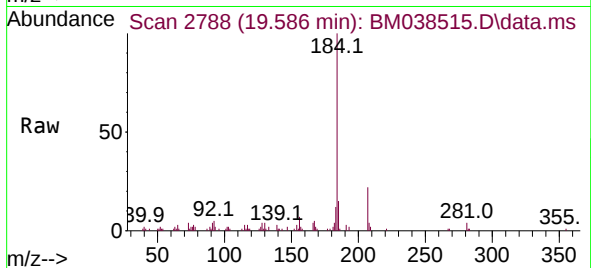
LOD-MDL-SOIL-01-QT4-2022

|             |             |
|-------------|-------------|
| Tgt Ion:184 | Resp: 46943 |
| Ion Ratio   | Lower Upper |
| 184 100     |             |
| 185 15.0    | 10.9 16.3   |
| 183 11.9    | 9.3 13.9    |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#78

Pyrene

Concen: 6.896 ng

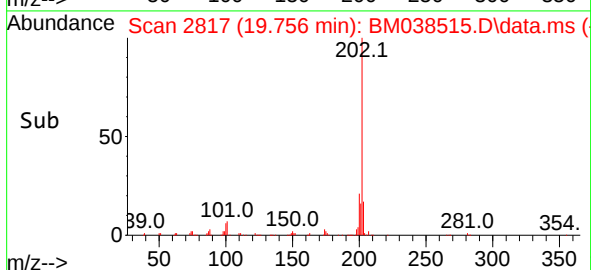
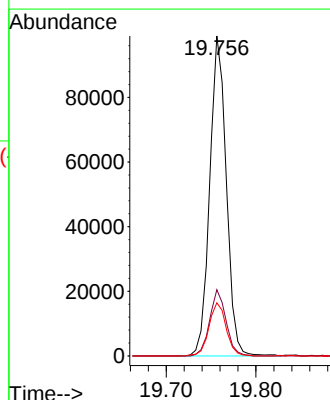
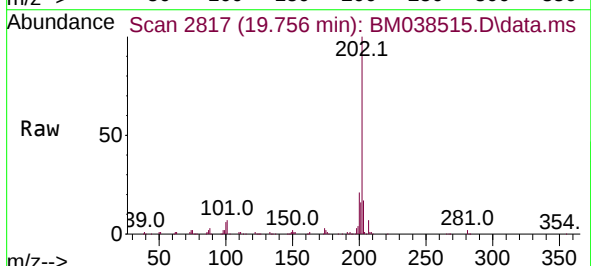
RT: 19.756 min Scan# 2817

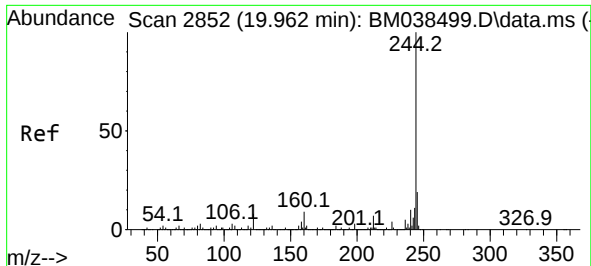
Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

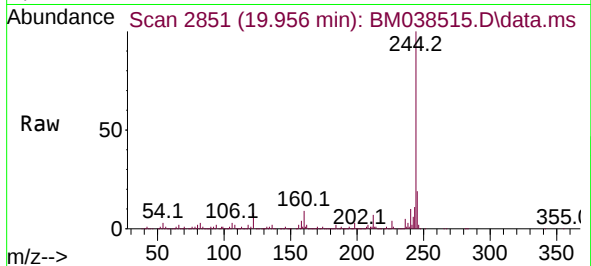
|             |              |
|-------------|--------------|
| Tgt Ion:202 | Resp: 127545 |
| Ion Ratio   | Lower Upper  |
| 202 100     |              |
| 200 20.7    | 17.0 25.4    |
| 203 16.6    | 14.2 21.2    |





#79  
 Terphenyl-d14  
 Concen: 78.044 ng  
 RT: 19.956 min Scan# 2851  
 Delta R.T. -0.006 min  
 Lab File: BM038515.D  
 Acq: 23 Jan 2023 19:03

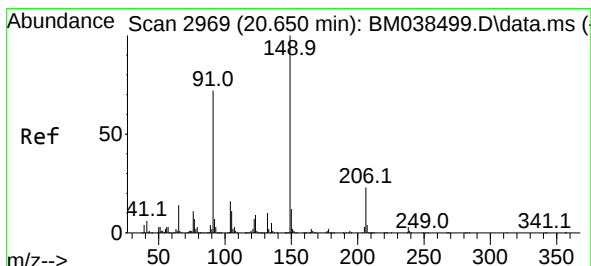
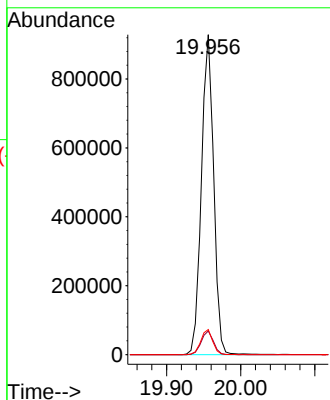
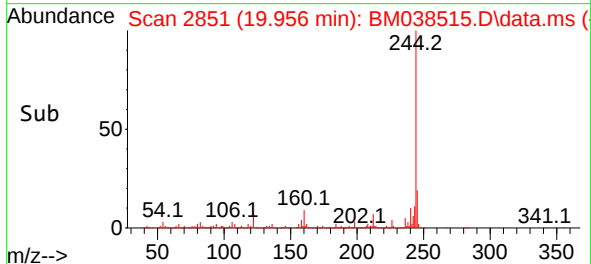
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:244 Resp: 106334  
 Ion Ratio Lower Upper  
 244 100  
 212 7.4 6.0 9.0  
 122 7.8 6.7 10.1

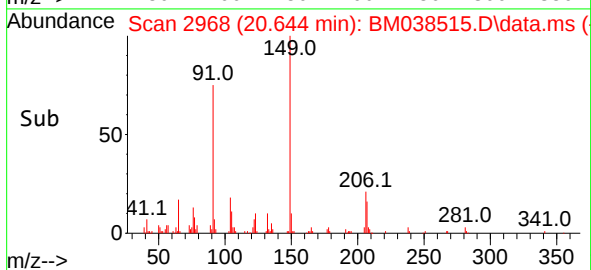
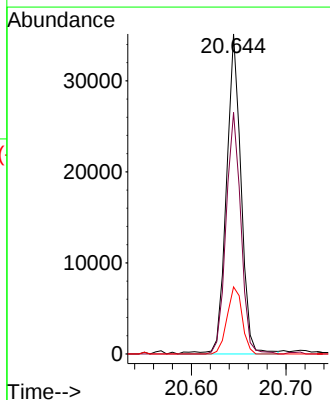
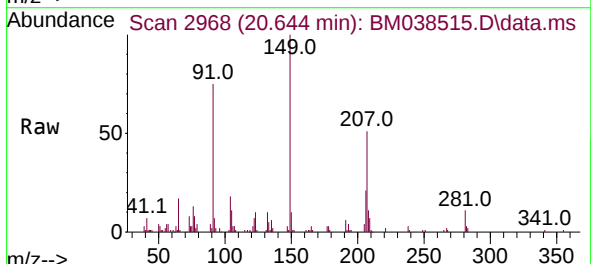
Manual Integrations  
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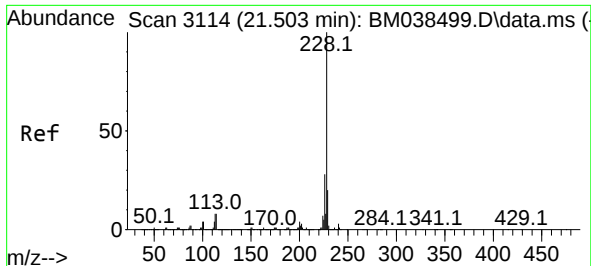
Reviewed By :Christian Giraldo 01/24/2023  
 Supervised By :Jagrut Upadhyay 01/24/2023



#80  
 Butylbenzylphthalate  
 Concen: 5.879 ng  
 RT: 20.644 min Scan# 2968  
 Delta R.T. -0.006 min  
 Lab File: BM038515.D  
 Acq: 23 Jan 2023 19:03

Tgt Ion:149 Resp: 37601  
 Ion Ratio Lower Upper  
 149 100  
 91 75.4 57.5 86.3  
 206 20.9 18.2 27.2





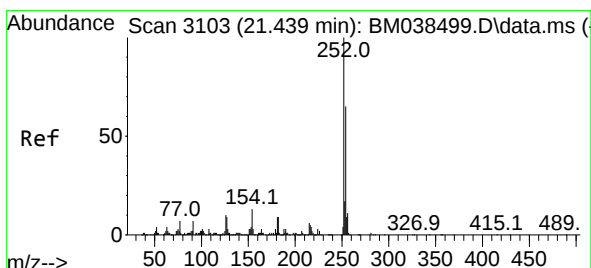
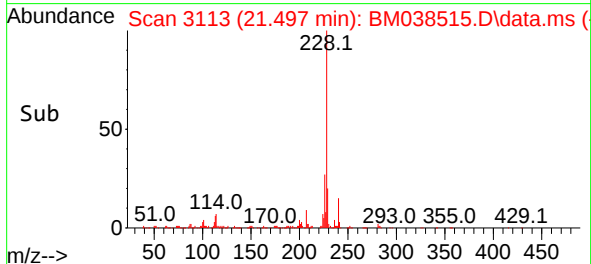
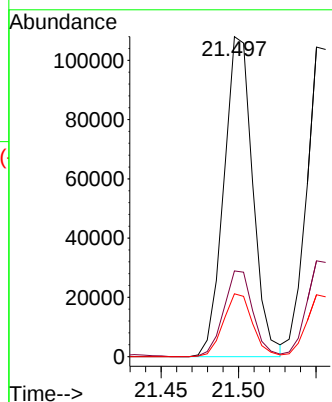
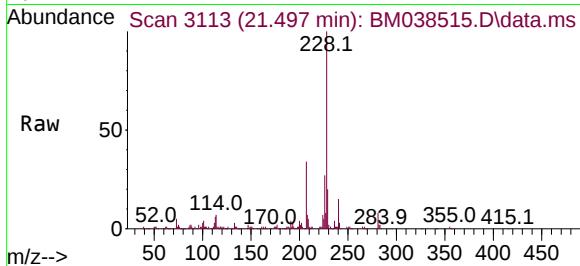
#81  
Benzo(a)anthracene  
Concen: 7.470 ng  
RT: 21.497 min Scan# 3114  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Instrument : BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:228 Resp: 140603  
Ion Ratio Lower Upper  
228 100  
226 26.8 22.2 33.2  
229 19.6 16.0 24.0

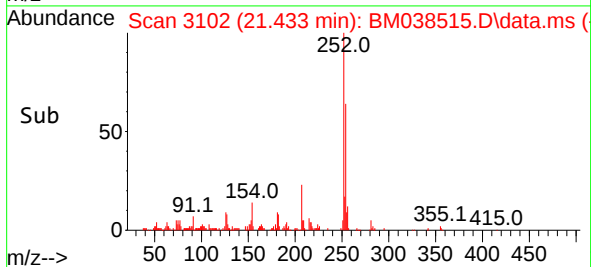
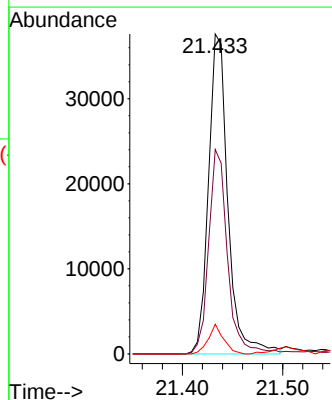
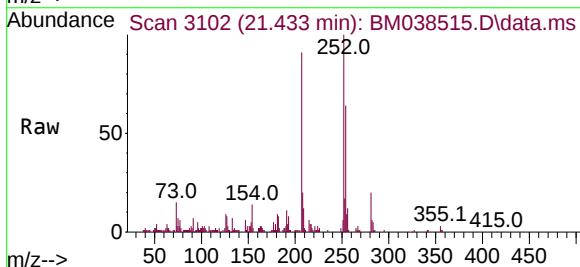
Manual Integrations  
APPROVED

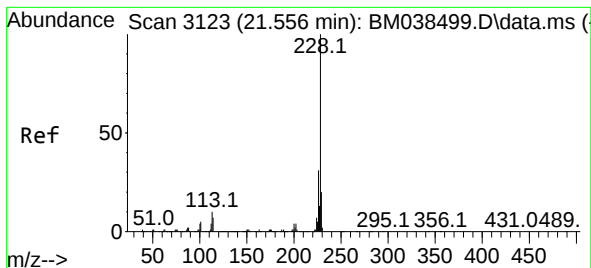
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#82  
3,3'-Dichlorobenzidine  
Concen: 8.346 ng  
RT: 21.433 min Scan# 3102  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

Tgt Ion:252 Resp: 50454  
Ion Ratio Lower Upper  
252 100  
254 63.9 51.9 77.9  
126 9.3 7.7 11.5





#83

Chrysene

Concen: 7.544 ng

RT: 21.550 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

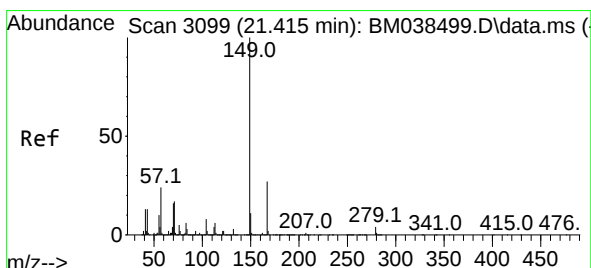
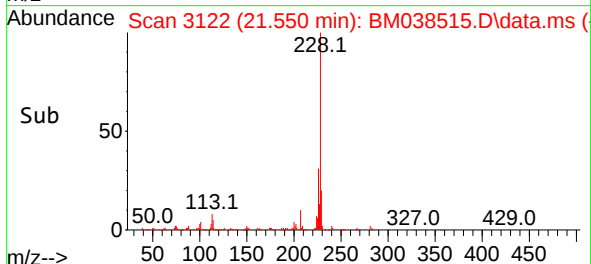
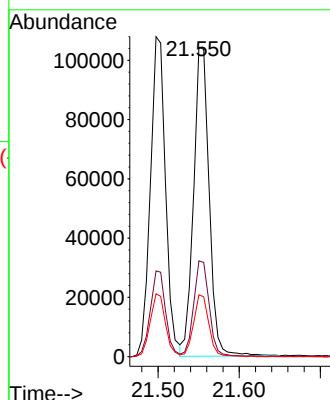
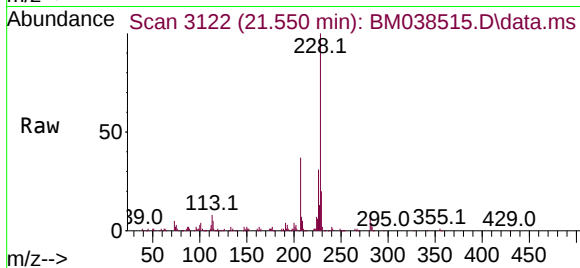
Tgt Ion:228 Resp: 138864

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 226 | 30.9  | 24.4  | 36.6  |
| 229 | 20.0  | 15.7  | 23.5  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.614 ng

RT: 21.415 min Scan# 3099

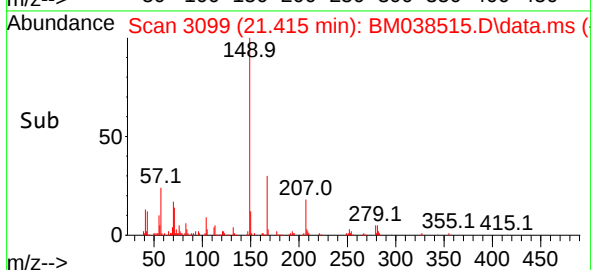
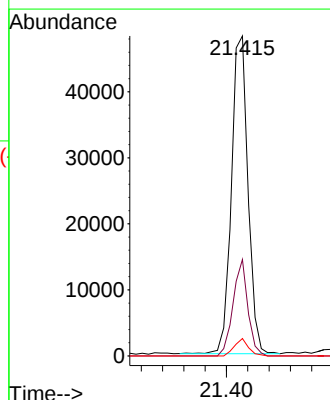
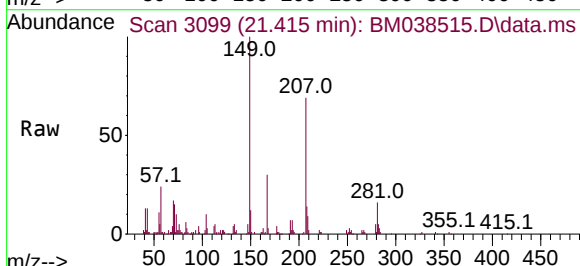
Delta R.T. 0.000 min

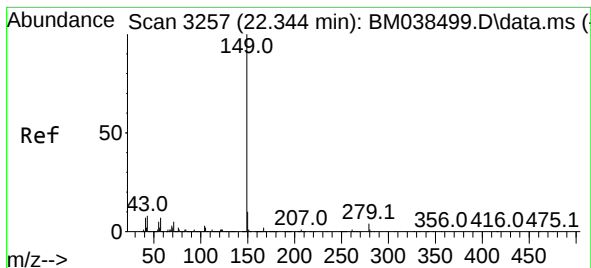
Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

Tgt Ion:149 Resp: 52039

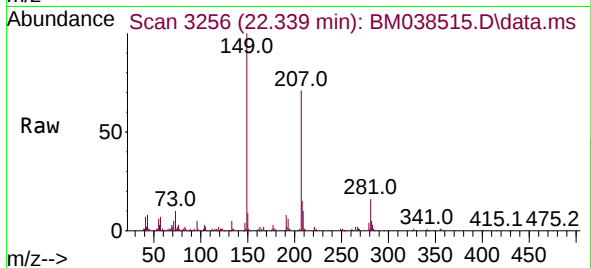
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 30.1  | 21.3  | 31.9  |
| 279 | 5.4   | 3.0   | 4.4#  |





#85  
Di-n-octyl phthalate  
Concen: 5.965 ng  
RT: 22.339 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

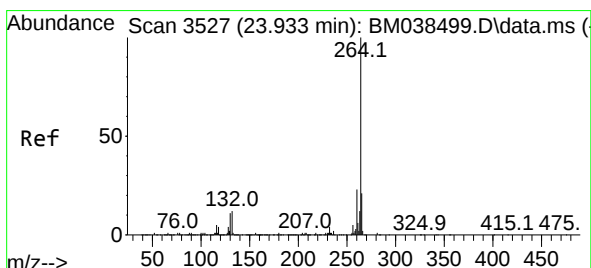
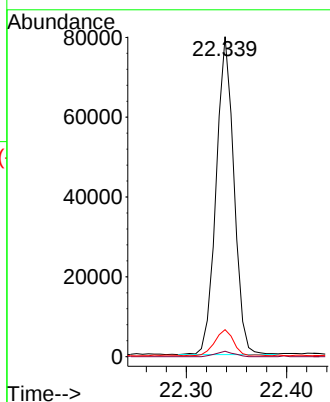
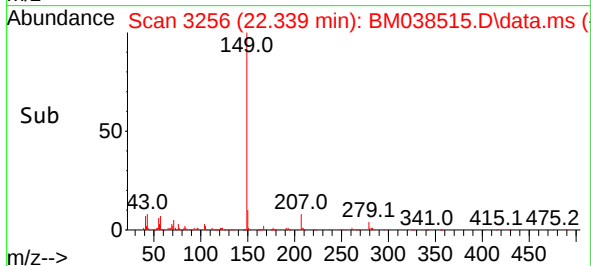
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



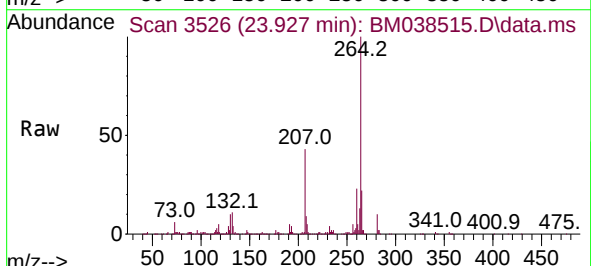
Tgt Ion:149 Resp: 98315  
Ion Ratio Lower Upper  
149 100  
167 1.7 1.3 1.9  
43 8.8 6.7 10.1

Manual Integrations  
APPROVED

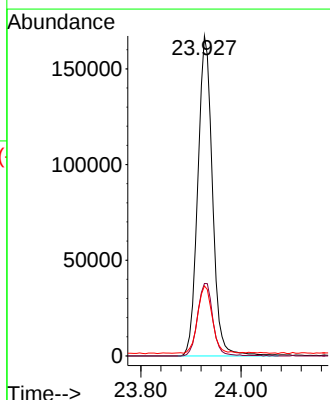
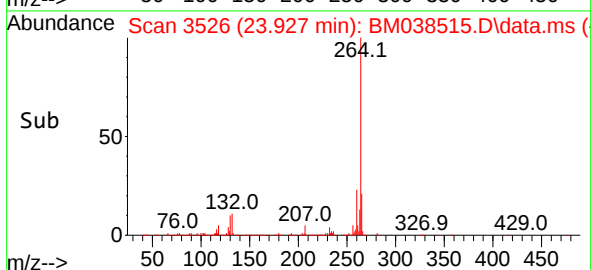
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

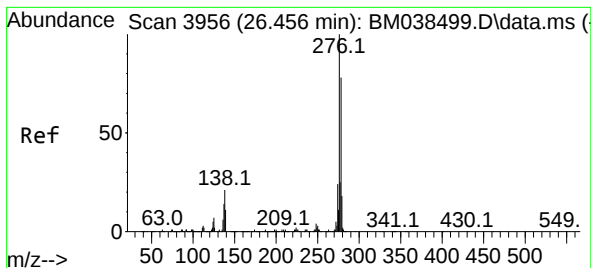


#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.927 min Scan# 3526  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:264 Resp: 339332  
Ion Ratio Lower Upper  
264 100  
260 22.6 18.5 27.7  
265 21.9 17.8 26.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.321 ng

RT: 26.438 min Scan# 3956

Delta R.T. -0.018 min

Lab File: BM038515.D

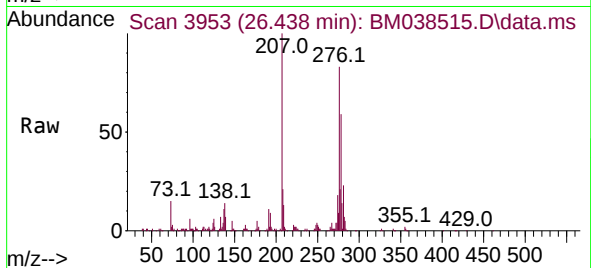
Acq: 23 Jan 2023 19:03

Instrument :

BNA\_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



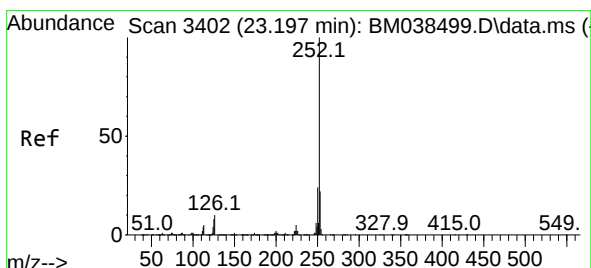
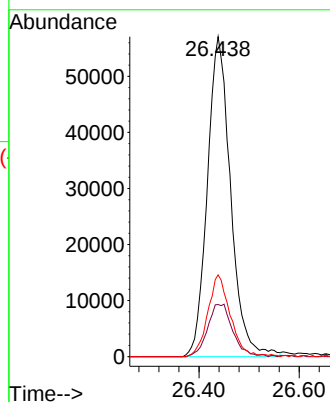
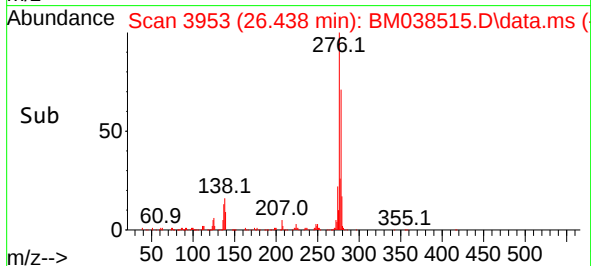
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 276     | 100   |       |       |
| 138     | 17.5  | 15.8  | 23.8  |
| 277     | 24.4  | 20.1  | 30.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/24/2023



#88

Benzo(b)fluoranthene

Concen: 7.638 ng

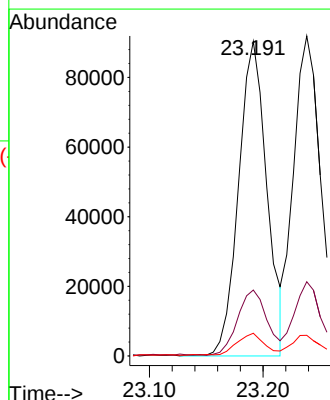
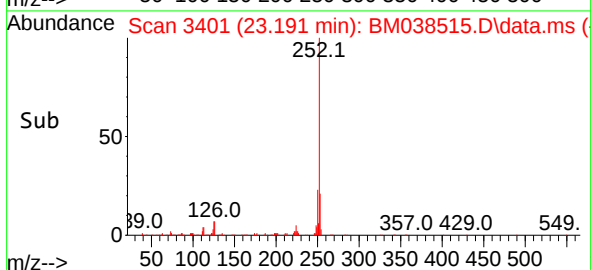
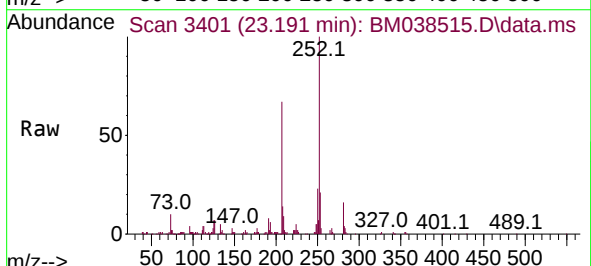
RT: 23.191 min Scan# 3401

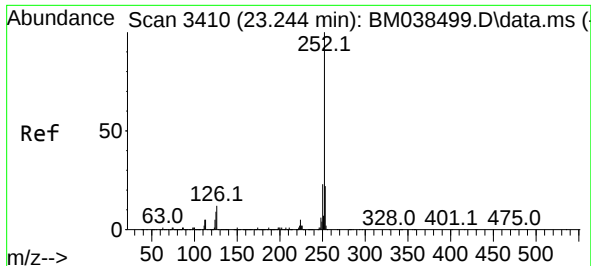
Delta R.T. -0.006 min

Lab File: BM038515.D

Acq: 23 Jan 2023 19:03

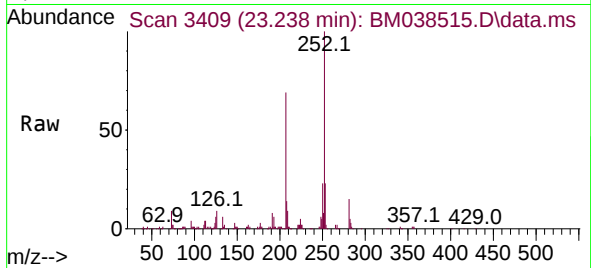
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 252     | 100   |       |       |
| 253     | 20.9  | 17.4  | 26.0  |
| 125     | 7.2   | 6.4   | 9.6   |





#89  
Benzo(k)fluoranthene  
Concen: 7.484 ng m  
RT: 23.238 min Scan# 3410  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

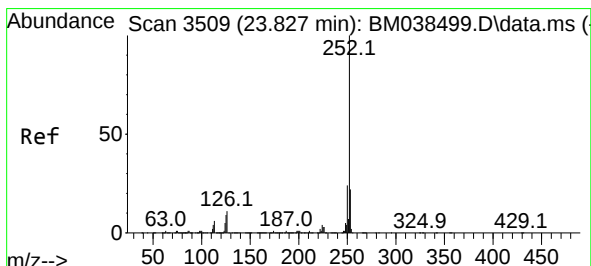
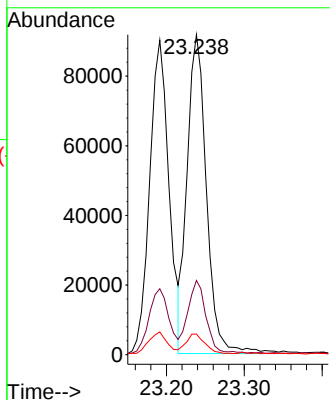
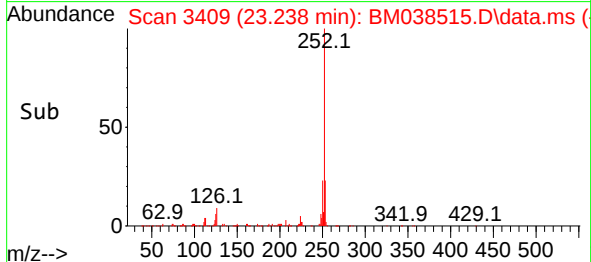
Instrument :  
BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



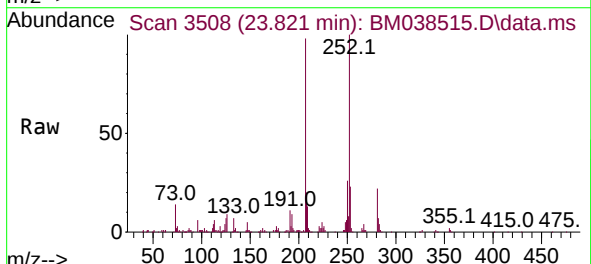
Tgt Ion:252 Resp: 158522  
Ion Ratio Lower Upper  
252 100  
253 23.2 17.8 26.8  
125 6.4 6.8 10.2

Manual Integrations  
APPROVED

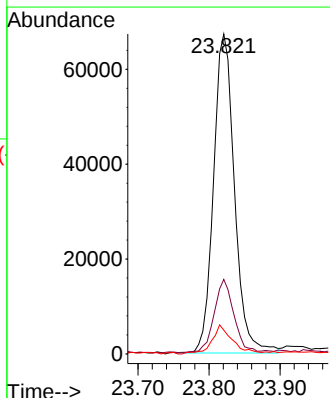
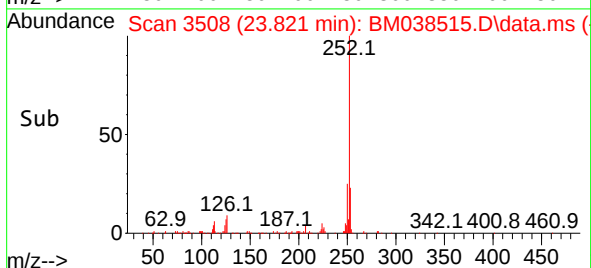
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023

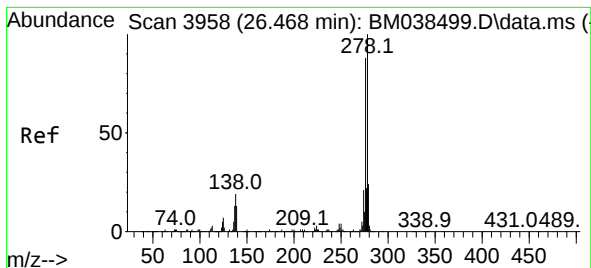


#90  
Benzo(a)pyrene  
Concen: 6.816 ng  
RT: 23.821 min Scan# 3508  
Delta R.T. -0.006 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



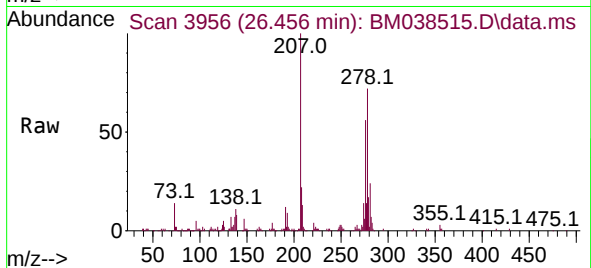
Tgt Ion:252 Resp: 138322  
Ion Ratio Lower Upper  
252 100  
253 23.3 17.4 26.0  
125 7.4 7.3 10.9





#91  
Dibenzo(a,h)anthracene  
Concen: 7.648 ng  
RT: 26.456 min Scan# 3956  
Delta R.T. -0.012 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03

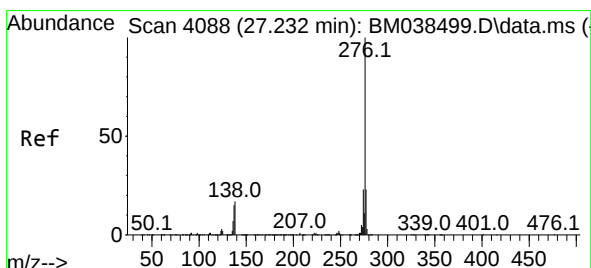
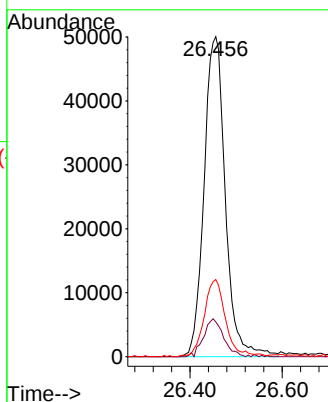
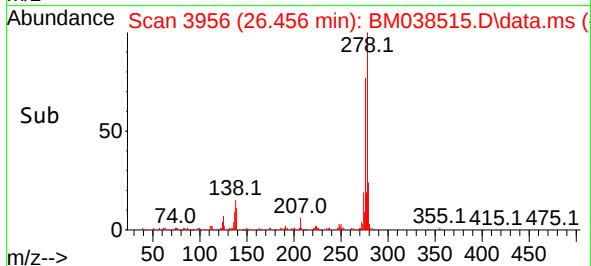
Instrument : BNA\_M  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2022



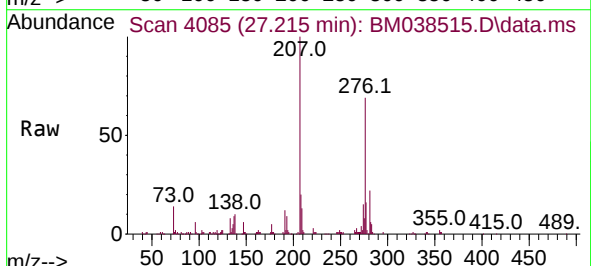
Tgt Ion:278 Resp: 159848  
Ion Ratio Lower Upper  
278 100  
139 10.8 10.3 15.5  
279 24.1 19.3 28.9

Manual Integrations  
APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/24/2023



#92  
Benzo(g,h,i)perylene  
Concen: 7.681 ng  
RT: 27.215 min Scan# 4085  
Delta R.T. -0.018 min  
Lab File: BM038515.D  
Acq: 23 Jan 2023 19:03



Tgt Ion:276 Resp: 164452  
Ion Ratio Lower Upper  
276 100  
277 22.9 18.8 28.2  
138 14.9 13.8 20.8

