

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM011723\  
 Data File : BM038468.D  
 Acq On : 17 Jan 2023 17:29  
 Operator : CG/JU  
 Sample : N3980-02  
 Misc : LOQ-SOIL 5ppm  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2022

Quant Time: Jan 19 04:50:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM011623.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 17 03:06:05 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
 Supervised By :Jagrut Upadhyay 01/27/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.975  | 152  | 70616    | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.787 | 136  | 251296   | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.610 | 164  | 154394   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.351 | 188  | 348497   | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.527 | 240  | 358011   | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 23.950 | 264  | 429290   | 20.000 | ng    | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.522  | 112  | 374634   | 80.926 | ng    | -0.01    |
| 7) Phenol-d6                  | 7.140  | 99   | 461351   | 77.798 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 9.151  | 82   | 387188   | 62.779 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 16.098 | 330  | 194622   | 74.567 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.239 | 172  | 734987   | 59.368 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.968 | 244  | 1273690  | 66.601 | ng    | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.381  | 88   | 8750     | 4.136  | ng    | 97       |
| 3) Pyridine                   | 3.811  | 79   | 24706m   | 4.037  | ng    |          |
| 4) n-Nitrosodimethylamine     | 3.716  | 42   | 17585    | 4.856  | ng    | # 86     |
| 6) Aniline                    | 7.304  | 93   | 33245    | 4.438  | ng    | 94       |
| 8) 2-Chlorophenol             | 7.534  | 128  | 22402    | 4.888  | ng    | 96       |
| 9) Benzaldehyde               | 7.116  | 77   | 20091    | 5.066  | ng    | 91       |
| 10) Phenol                    | 7.163  | 94   | 30602    | 4.952  | ng    | 94       |
| 11) bis(2-Chloroethyl)ether   | 7.399  | 93   | 23615    | 4.715  | ng    | 95       |
| 12) 1,3-Dichlorobenzene       | 7.863  | 146  | 24556    | 5.001  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 8.010  | 146  | 25442    | 5.150  | ng    | 94       |
| 14) 1,2-Dichlorobenzene       | 8.328  | 146  | 24837    | 5.142  | ng    | 96       |
| 15) Benzyl Alcohol            | 8.228  | 79   | 21250    | 4.474  | ng    | 95       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.498  | 45   | 36384    | 5.211  | ng    | 97       |
| 17) 2-Methylphenol            | 8.422  | 107  | 17473    | 4.186  | ng    | 97       |
| 18) Hexachloroethane          | 9.051  | 117  | 10137    | 5.010  | ng    | 96       |
| 19) n-Nitroso-di-n-propyla... | 8.787  | 70   | 19533    | 4.538  | ng    | 99       |
| 20) 3+4-Methylphenols         | 8.751  | 107  | 23079    | 4.118  | ng    | 94       |
| 22) Acetophenone              | 8.810  | 105  | 27629    | 3.720  | ng    | # 95     |
| 24) Nitrobenzene              | 9.193  | 77   | 32423m   | 4.976  | ng    |          |
| 25) Isophorone                | 9.716  | 82   | 48298    | 4.421  | ng    | 98       |
| 26) 2-Nitrophenol             | 9.904  | 139  | 9392     | 4.105  | ng    | 93       |
| 27) 2,4-Dimethylphenol        | 9.957  | 122  | 16606    | 4.263  | ng    | 100      |
| 28) bis(2-Chloroethoxy)met... | 10.198 | 93   | 28866    | 4.698  | ng    | 94       |
| 29) 2,4-Dichlorophenol        | 10.440 | 162  | 18164    | 4.221  | ng    | 92       |
| 30) 1,2,4-Trichlorobenzene    | 10.645 | 180  | 22811    | 4.583  | ng    | 97       |
| 31) Naphthalene               | 10.840 | 128  | 60136    | 4.515  | ng    | 98       |
| 32) Benzoic acid              | 10.034 | 122  | 5587m    | 6.638  | ng    |          |
| 33) 4-Chloroaniline           | 10.957 | 127  | 23310    | 3.988  | ng    | 95       |
| 34) Hexachlorobutadiene       | 11.116 | 225  | 15978    | 4.578  | ng    | 95       |
| 35) Caprolactam               | 11.739 | 113  | 3160     | 2.598  | ng    | # 83     |
| 36) 4-Chloro-3-methylphenol   | 12.075 | 107  | 19522    | 4.160  | ng    | 96       |
| 37) 2-Methylnaphthalene       | 12.445 | 142  | 39437    | 4.050  | ng    | 98       |
| 38) 1-Methylnaphthalene       | 12.663 | 142  | 38261    | 4.185  | ng    | 95       |
| 40) 1,2,4,5-Tetrachloroben... | 12.810 | 216  | 20937    | 3.623  | ng    | 98       |
| 41) Hexachlorocyclopentadiene | 12.781 | 237  | 14985    | 4.561  | ng    | 98       |
| 43) 2,4,6-Trichlorophenol     | 13.051 | 196  | 15356    | 4.204  | ng    | 98       |

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 Sample : N3980-02  
 Misc : LOQ-SOIL 5ppm  
 ALS Vial : 8 Sample Multiplier: 1

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Quant Time: Jan 19 04:50:55 2023  
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Tue Jan 17 03:06:05 2023  
 Response via : Initial Calibration

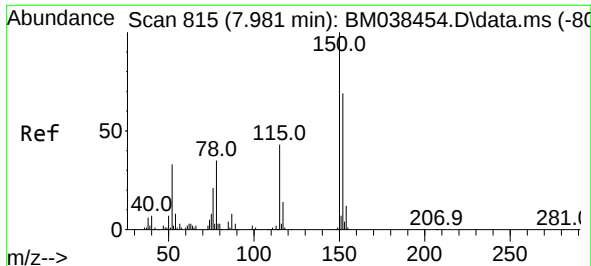
Manual Integrations  
 APPROVED

Reviewed By : Christian Giraldo 01/24/2023  
 Supervised By : Jagrut Upadhyay 01/27/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 13.122 | 196  | 16504    | 3.832 | ng    | 93       |
| 46) 1,1'-Biphenyl             | 13.445 | 154  | 43577    | 3.638 | ng    | 98       |
| 47) 2-Chloronaphthalene       | 13.492 | 162  | 44000    | 4.667 | ng    | 94       |
| 48) 2-Nitroaniline            | 13.704 | 65   | 13320    | 5.648 | ng    | 98       |
| 49) Acenaphthylene            | 14.333 | 152  | 63240    | 4.255 | ng    | 100      |
| 50) Dimethylphthalate         | 14.069 | 163  | 52833    | 4.222 | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 14.198 | 165  | 9958     | 3.912 | ng    | 95       |
| 52) Acenaphthene              | 14.675 | 154  | 39618    | 4.386 | ng    | 99       |
| 53) 3-Nitroaniline            | 14.528 | 138  | 8741     | 5.597 | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.739 | 184  | 5235     | 7.817 | ng    | 86       |
| 55) Dibenzofuran              | 15.010 | 168  | 64899    | 4.220 | ng    | 97       |
| 56) 4-Nitrophenol             | 14.833 | 139  | 6658     | 6.673 | ng    | 94       |
| 57) 2,4-Dinitrotoluene        | 14.980 | 165  | 12918    | 3.651 | ng #  | 94       |
| 58) Fluorene                  | 15.657 | 166  | 50298    | 3.914 | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 15.233 | 232  | 14703    | 3.850 | ng #  | 97       |
| 60) Diethylphthalate          | 15.422 | 149  | 52558    | 4.095 | ng    | 96       |
| 61) 4-Chlorophenyl-phenyle... | 15.645 | 204  | 28376    | 4.023 | ng    | 97       |
| 62) 4-Nitroaniline            | 15.686 | 138  | 8142     | 5.497 | ng    | 95       |
| 63) Azobenzene                | 15.939 | 77   | 59903    | 4.241 | ng    | 98       |
| 65) 4,6-Dinitro-2-methylph... | 15.739 | 198  | 7687     | 3.251 | ng    | 91       |
| 66) n-Nitrosodiphenylamine    | 15.863 | 169  | 43176    | 4.222 | ng    | 95       |
| 67) 4-Bromophenyl-phenylether | 16.539 | 248  | 16391    | 4.066 | ng    | 93       |
| 68) Hexachlorobenzene         | 16.657 | 284  | 19918    | 4.412 | ng    | 97       |
| 69) Atrazine                  | 16.810 | 200  | 12257    | 3.390 | ng    | 97       |
| 70) Pentachlorophenol         | 17.004 | 266  | 10650    | 3.232 | ng    | 94       |
| 71) Phenanthrene              | 17.392 | 178  | 82725    | 4.291 | ng    | 98       |
| 72) Anthracene                | 17.486 | 178  | 81299    | 4.103 | ng    | 99       |
| 73) Carbazole                 | 17.763 | 167  | 70367    | 4.061 | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.310 | 149  | 83891    | 4.076 | ng    | 98       |
| 75) Fluoranthene              | 19.404 | 202  | 95849    | 3.955 | ng    | 97       |
| 77) Benzidine                 | 19.592 | 184  | 29327    | 3.739 | ng    | 99       |
| 78) Pyrene                    | 19.768 | 202  | 101073   | 4.242 | ng    | 98       |
| 80) Butylbenzylphthalate      | 20.657 | 149  | 35880    | 4.120 | ng    | 90       |
| 81) Benzo(a)anthracene        | 21.509 | 228  | 114340   | 4.441 | ng    | 98       |
| 82) 3,3'-Dichlorobenzidine    | 21.445 | 252  | 30655    | 3.697 | ng    | 96       |
| 83) Chrysene                  | 21.562 | 228  | 107916   | 4.313 | ng    | 100      |
| 84) Bis(2-ethylhexyl)phtha... | 21.427 | 149  | 51574    | 4.120 | ng    | 96       |
| 85) Di-n-octyl phthalate      | 22.351 | 149  | 92610    | 4.204 | ng    | 97       |
| 87) Indeno(1,2,3-cd)pyrene    | 26.468 | 276  | 130773   | 4.116 | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.209 | 252  | 120548   | 4.529 | ng    | 97       |
| 89) Benzo(k)fluoranthene      | 23.256 | 252  | 115212m  | 4.185 | ng    |          |
| 90) Benzo(a)pyrene            | 23.839 | 252  | 102857   | 3.938 | ng    | 99       |
| 91) Dibenzo(a,h)anthracene    | 26.480 | 278  | 112568   | 4.222 | ng    | 97       |
| 92) Benzo(g,h,i)perylene      | 27.250 | 276  | 113694   | 4.298 | ng #  | 97       |

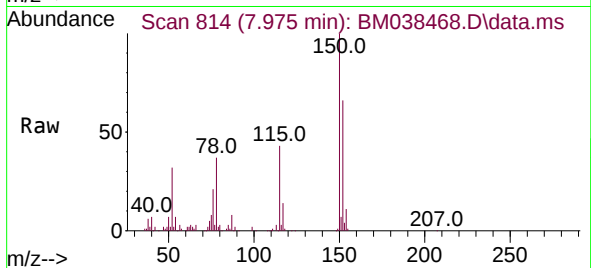
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.975 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

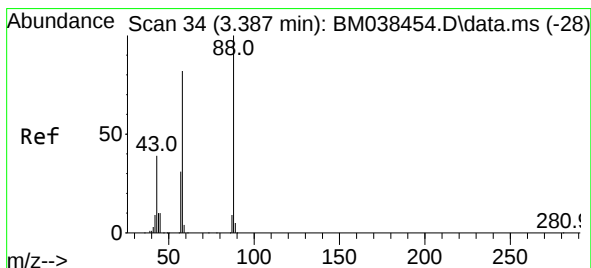
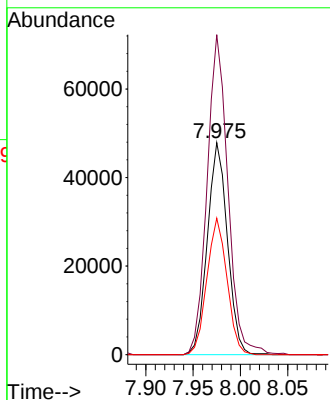
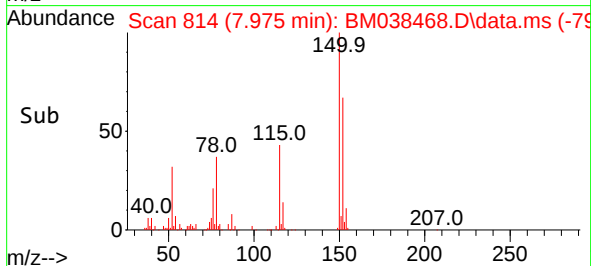
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:152 Resp: 70616  
Ion Ratio Lower Upper  
152 100  
150 151.0 116.0 174.0  
115 64.4 49.4 74.2

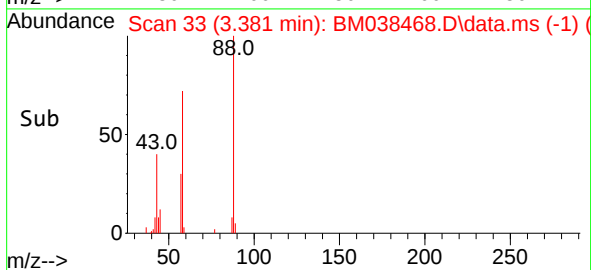
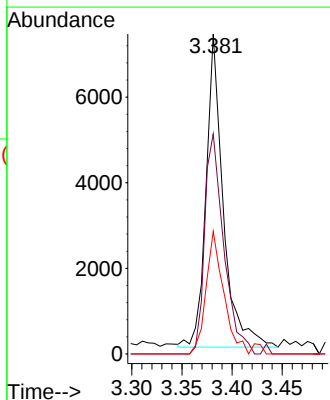
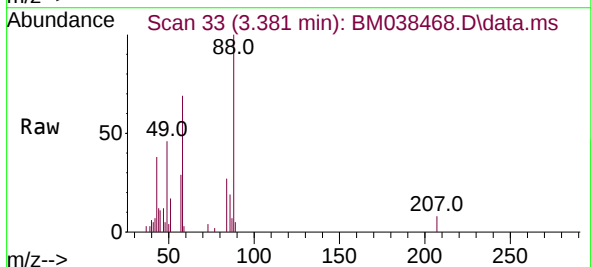
Manual Integrations  
APPROVED

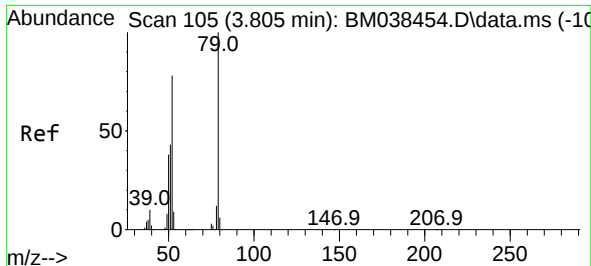
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#2  
1,4-Dioxane  
Concen: 4.136 ng  
RT: 3.381 min Scan# 33  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

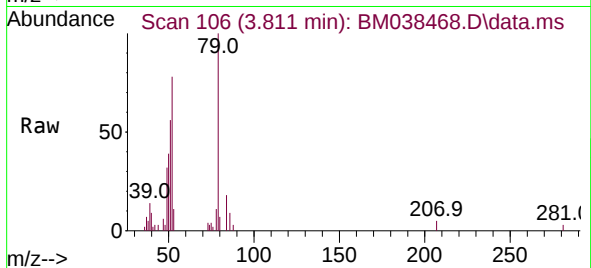
Tgt Ion: 88 Resp: 8750  
Ion Ratio Lower Upper  
88 100  
58 77.4 64.3 96.5  
43 39.8 32.3 48.5





#3  
Pyridine  
Concen: 4.037 ng m  
RT: 3.811 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

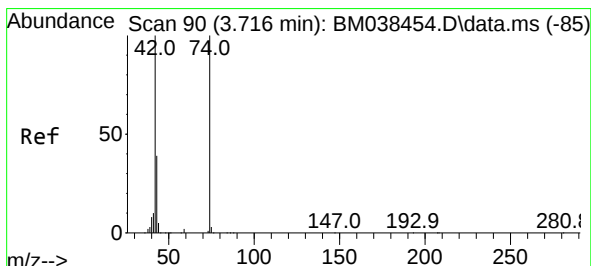
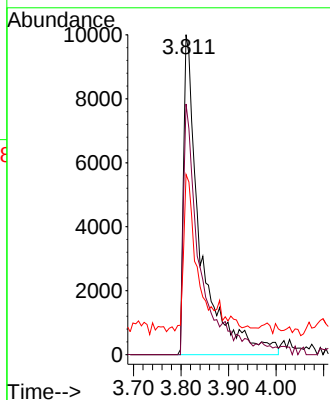
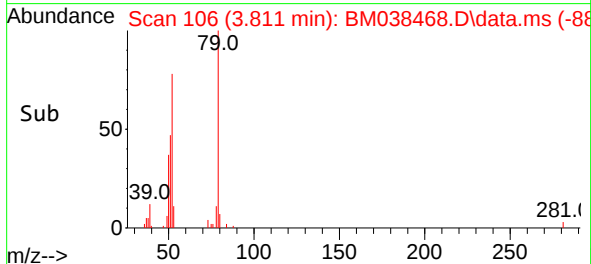
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



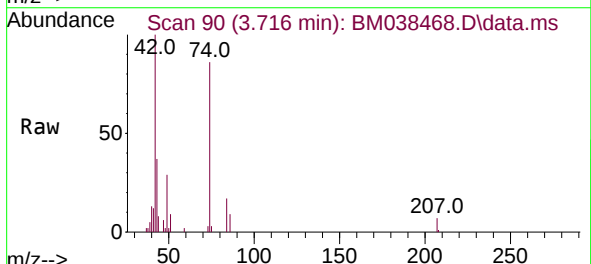
Tgt Ion: 79 Resp: 24706  
Ion Ratio Lower Upper  
79 100  
52 78.3 62.2 93.2  
51 56.3 34.8 52.2

Manual Integrations  
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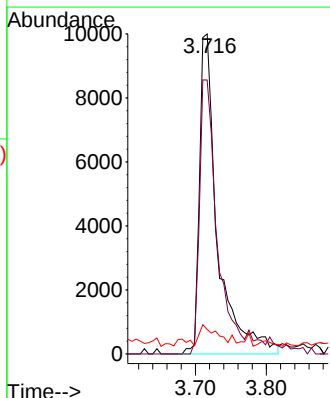
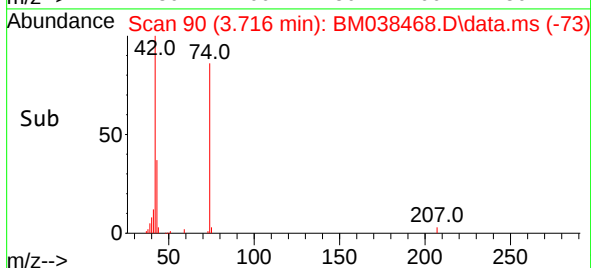
Reviewed By :Christian Giraldo 01/24/2023  
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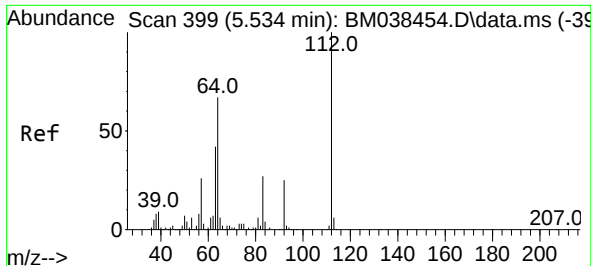


#4  
n-Nitrosodimethylamine  
Concen: 4.856 ng  
RT: 3.716 min Scan# 90  
Delta R.T. 0.000 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



Tgt Ion: 42 Resp: 17585  
Ion Ratio Lower Upper  
42 100  
74 85.6 79.7 119.5  
44 7.6 4.7 7.1





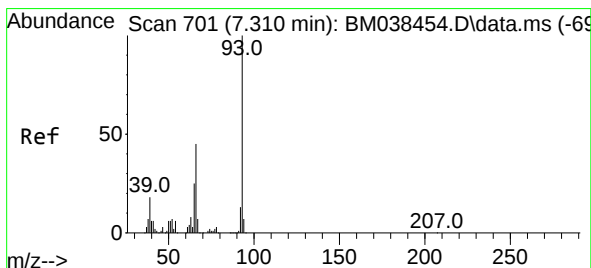
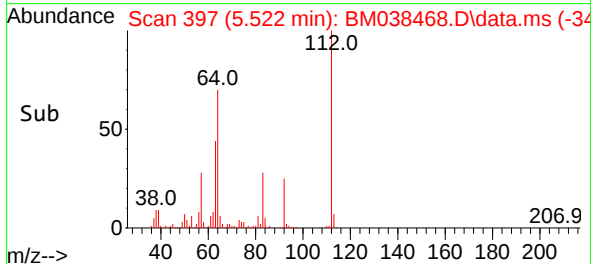
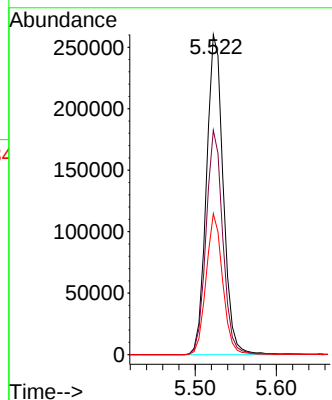
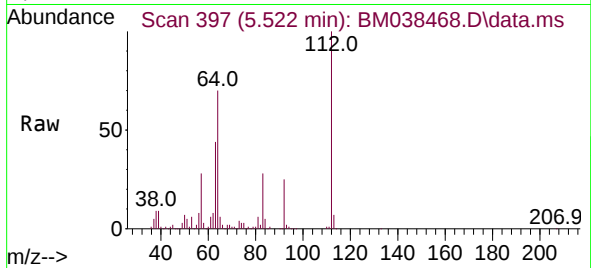
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2-Fluorophenol  
Concen: 80.926 ng  
RT: 5.522 min Scan# 399  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
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BNA\_M  
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Tgt Ion: 112 Resp: 374634  
Ion Ratio Lower Upper  
112 100  
64 70.1 53.7 80.5  
63 44.0 33.7 50.5

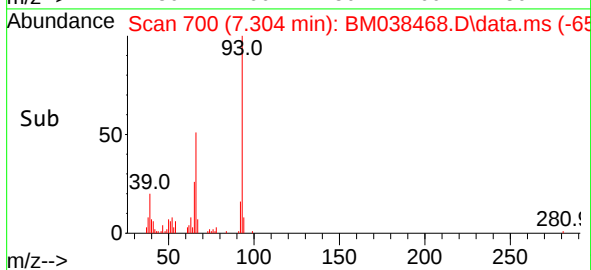
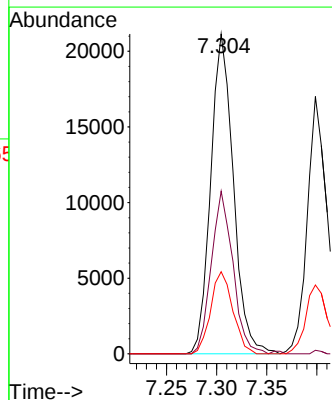
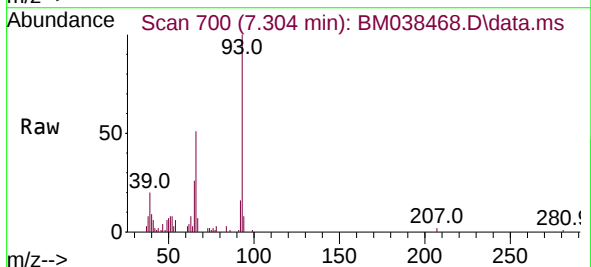
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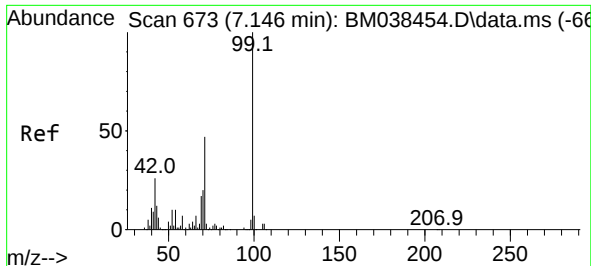
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#6  
Aniline  
Concen: 4.438 ng  
RT: 7.304 min Scan# 700  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion: 93 Resp: 33245  
Ion Ratio Lower Upper  
93 100  
66 50.8 36.2 54.2  
65 25.7 19.8 29.8





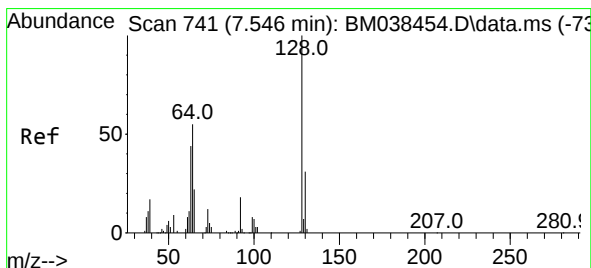
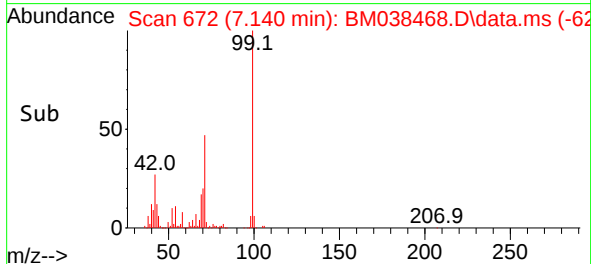
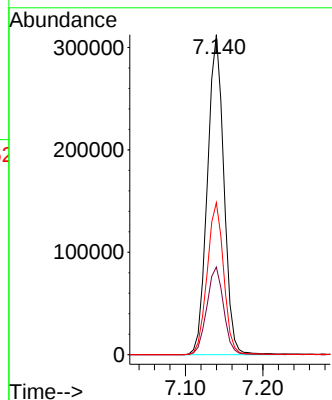
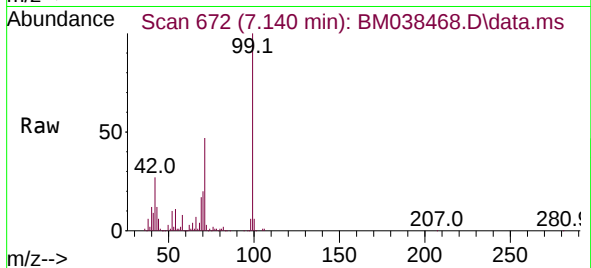
#7  
Phenol-d6  
Concen: 77.798 ng  
RT: 7.140 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion: 99 Resp: 46135  
Ion Ratio Lower Upper  
99 100  
42 27.4 20.8 31.2  
71 47.5 37.8 56.8

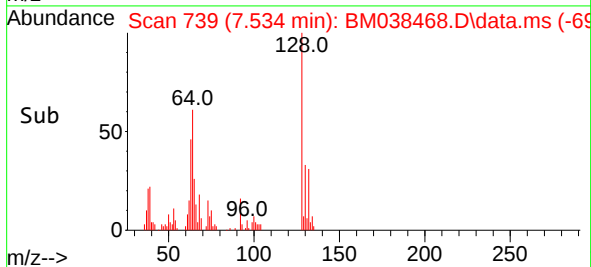
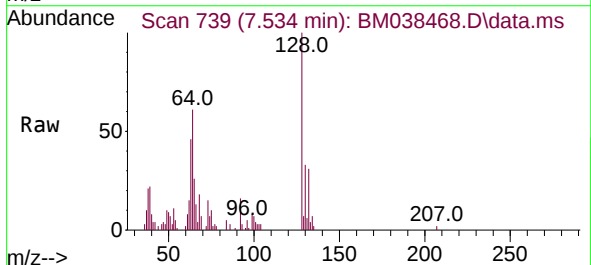
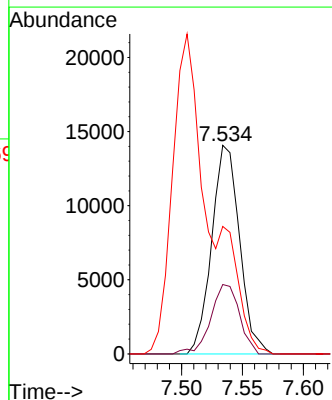
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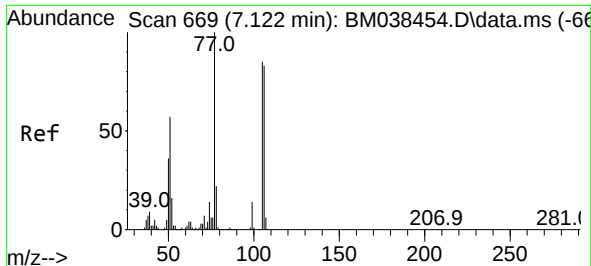
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Supervised By :Jagrut Upadhyay 01/27/2023



#8  
2-Chlorophenol  
Concen: 4.888 ng  
RT: 7.534 min Scan# 739  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:128 Resp: 22402  
Ion Ratio Lower Upper  
128 100  
130 33.3 11.5 51.5  
64 61.1 38.0 78.0





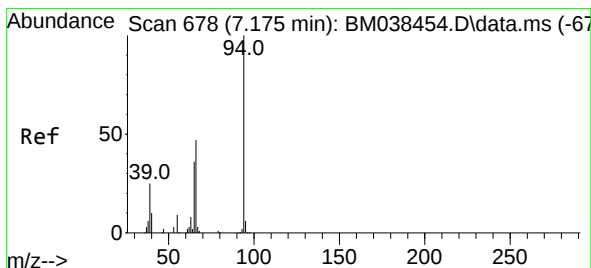
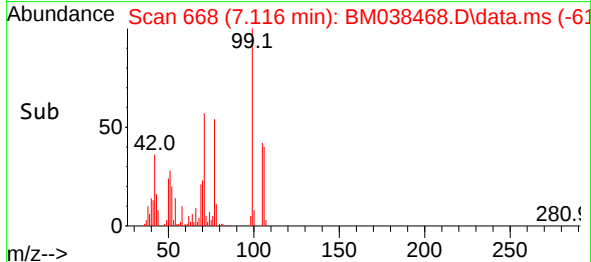
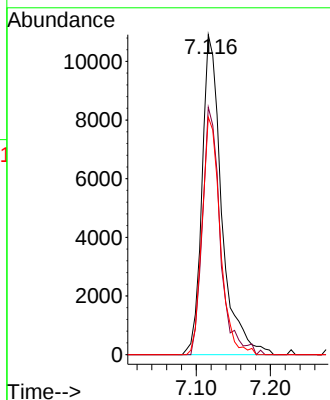
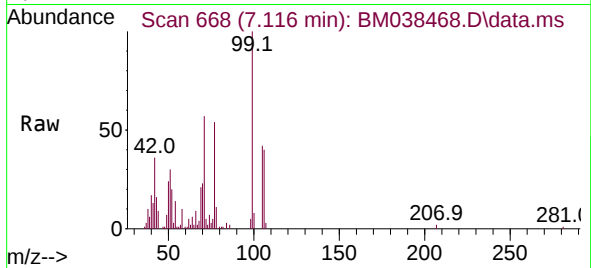
#9  
Benzaldehyde  
Concen: 5.066 ng  
RT: 7.116 min Scan# 609  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument : BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion: 77 Resp: 20091  
Ion Ratio Lower Upper  
77 100  
105 77.3 65.3 105.3  
106 74.2 62.5 102.5

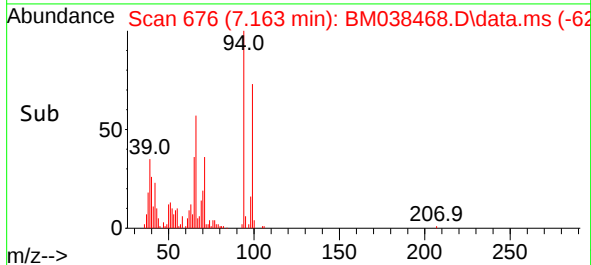
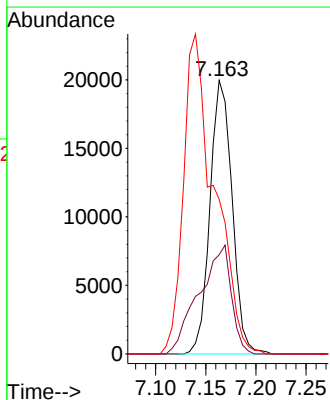
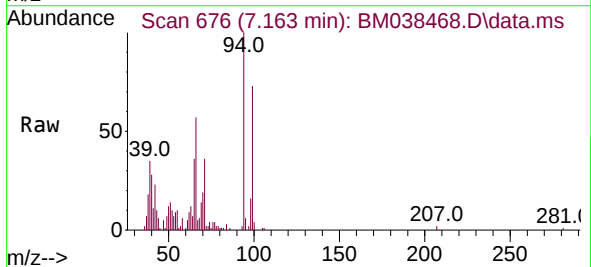
Manual Integrations  
APPROVED

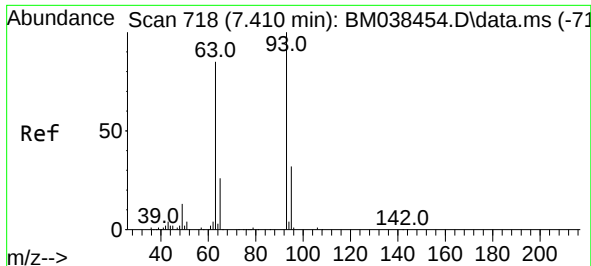
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#10  
Phenol  
Concen: 4.952 ng  
RT: 7.163 min Scan# 676  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

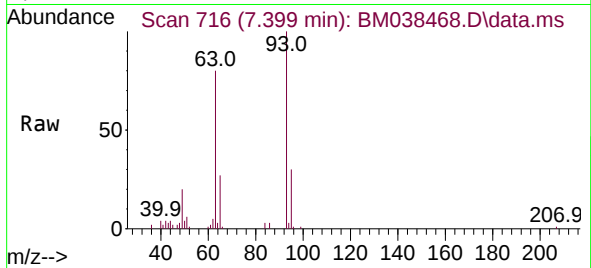
Tgt Ion: 94 Resp: 30602  
Ion Ratio Lower Upper  
94 100  
65 36.2 16.3 56.3  
66 56.5 29.2 69.2





#11  
bis(2-Chloroethyl)ether  
Concen: 4.715 ng  
RT: 7.399 min Scan# 718  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

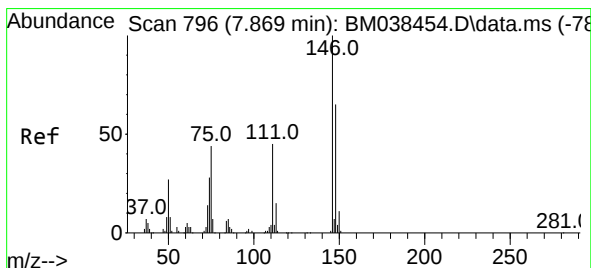
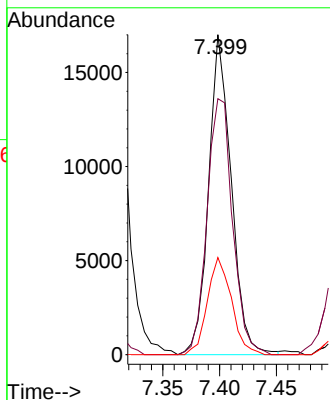
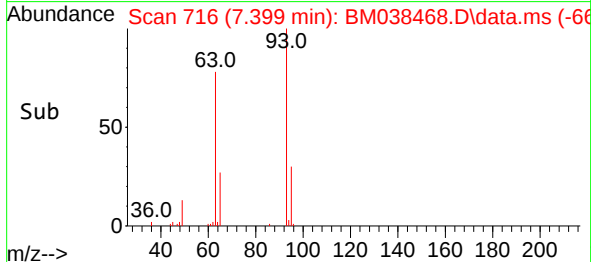
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



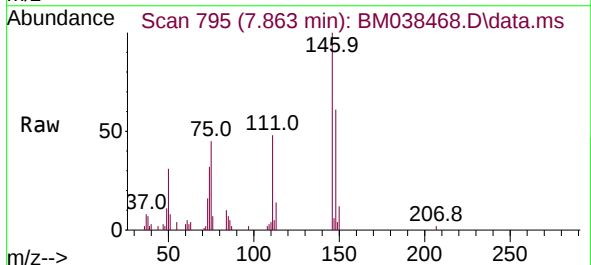
Tgt Ion: 93 Resp: 23615  
Ion Ratio Lower Upper  
93 100  
63 80.0 64.6 104.6  
95 30.3 12.0 52.0

Manual Integrations  
APPROVED

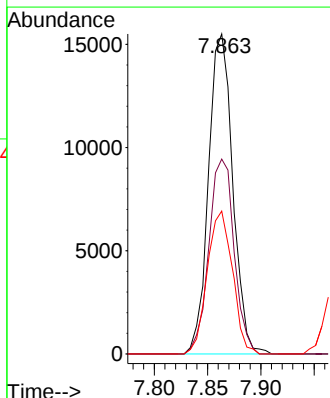
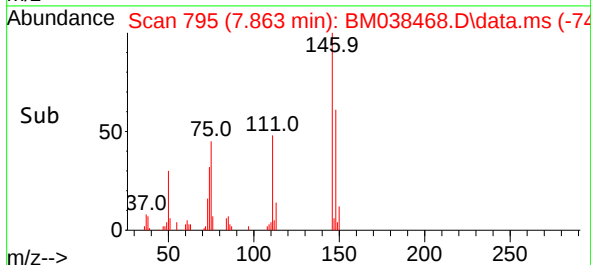
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023

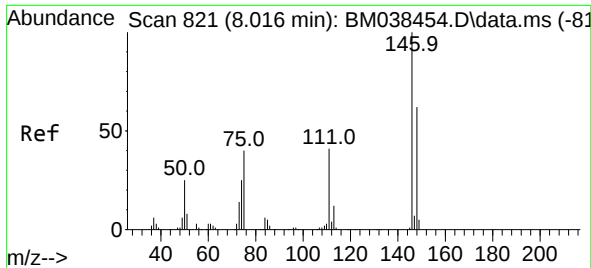


#12  
1,3-Dichlorobenzene  
Concen: 5.001 ng  
RT: 7.863 min Scan# 795  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



Tgt Ion:146 Resp: 24556  
Ion Ratio Lower Upper  
146 100  
148 60.9 51.8 77.8  
75 44.6 35.1 52.7





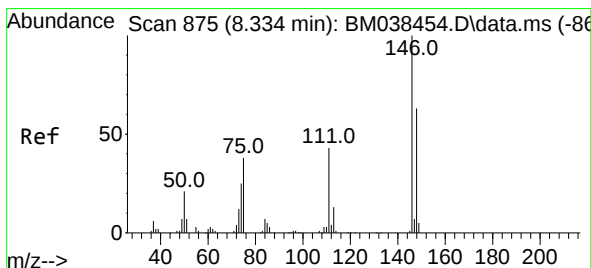
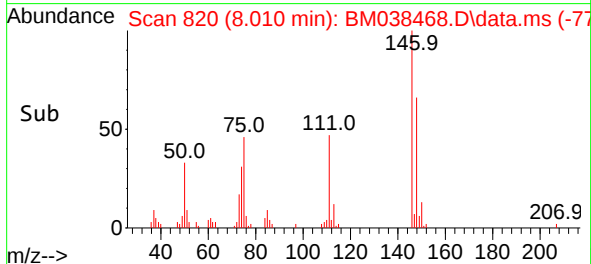
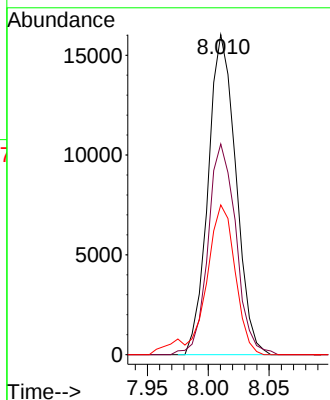
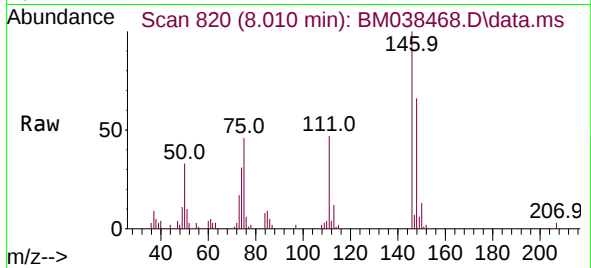
#13  
1,4-Dichlorobenzene  
Concen: 5.150 ng  
RT: 8.010 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion:146 Resp: 25442  
Ion Ratio Lower Upper  
146 100  
148 65.8 50.1 75.1  
111 46.8 32.8 49.2

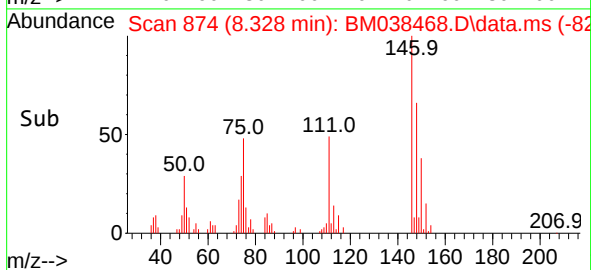
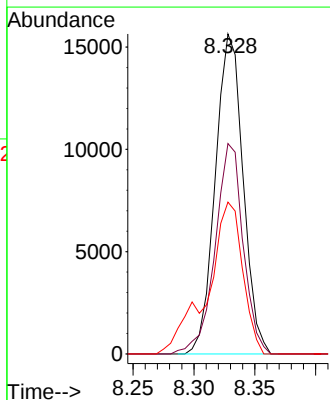
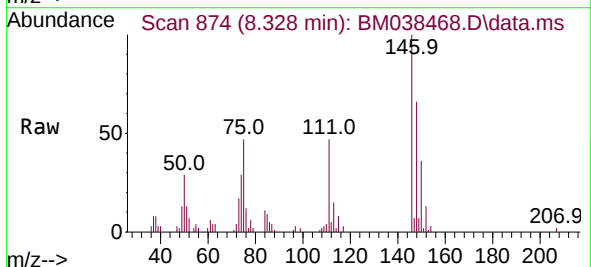
Manual Integrations  
APPROVED

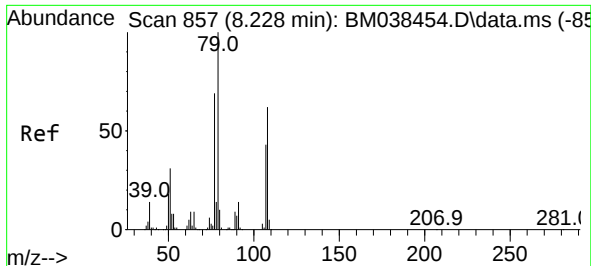
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#14  
1,2-Dichlorobenzene  
Concen: 5.142 ng  
RT: 8.328 min Scan# 874  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:146 Resp: 24837  
Ion Ratio Lower Upper  
146 100  
148 65.7 50.7 76.1  
111 47.5 35.2 52.8





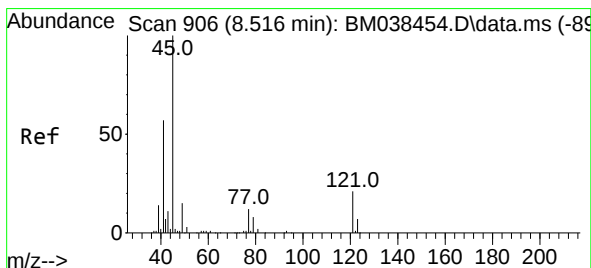
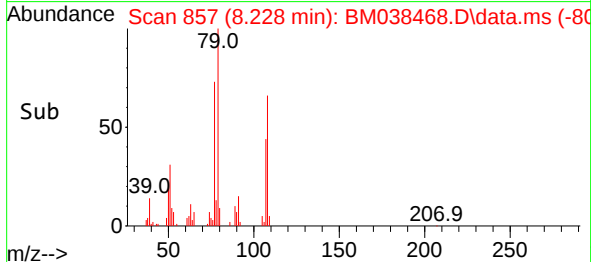
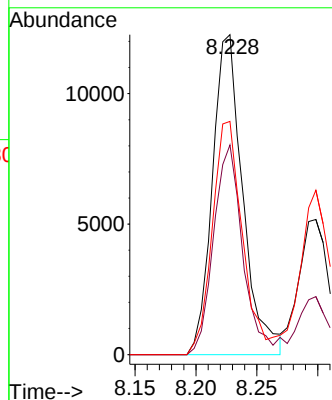
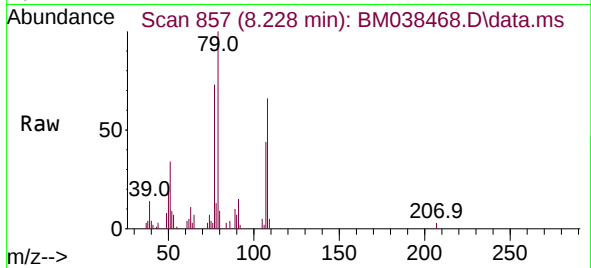
#15  
Benzyl Alcohol  
Concen: 4.474 ng  
RT: 8.228 min Scan# 857  
Delta R.T. 0.000 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion: 79 Resp: 21250  
Ion Ratio Lower Upper  
79 100  
108 65.5 49.3 73.9  
77 72.9 55.1 82.7

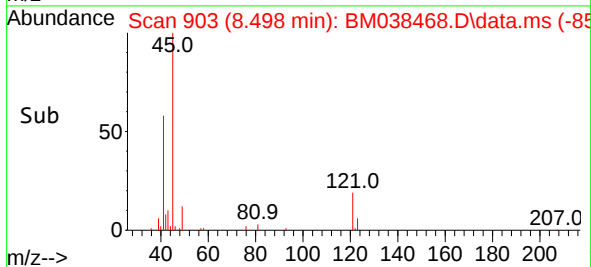
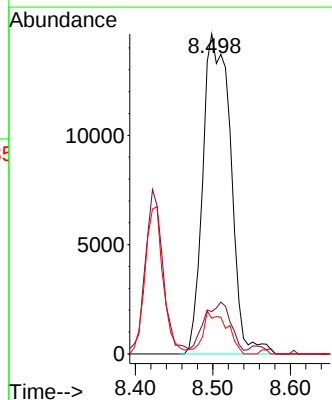
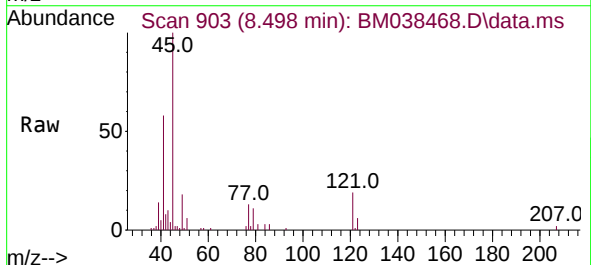
Manual Integrations  
APPROVED

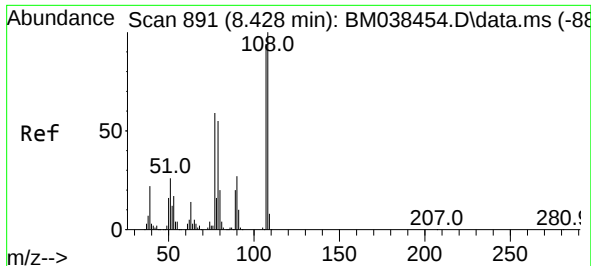
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.211 ng  
RT: 8.498 min Scan# 903  
Delta R.T. -0.018 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

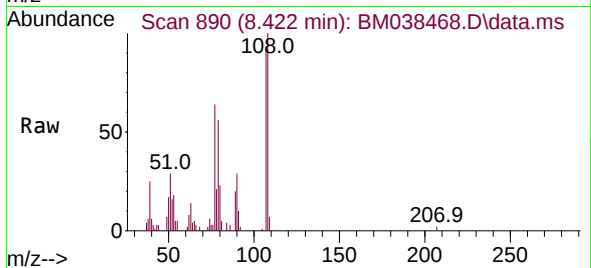
Tgt Ion: 45 Resp: 36384  
Ion Ratio Lower Upper  
45 100  
77 13.2 0.0 34.7  
79 11.1 0.0 30.4





#17  
2-Methylphenol  
Concen: 4.186 ng  
RT: 8.422 min Scan# 891  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

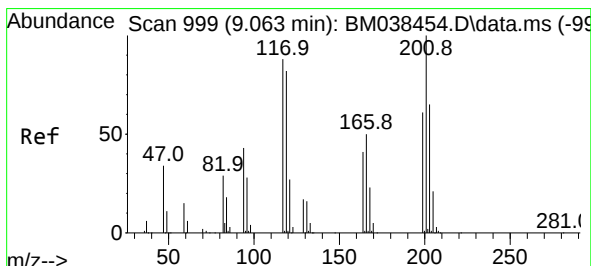
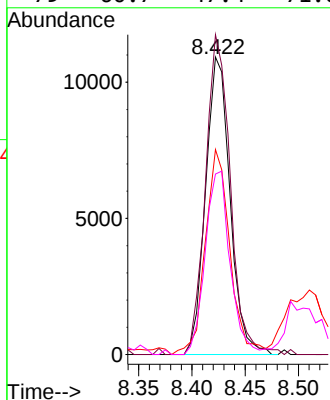
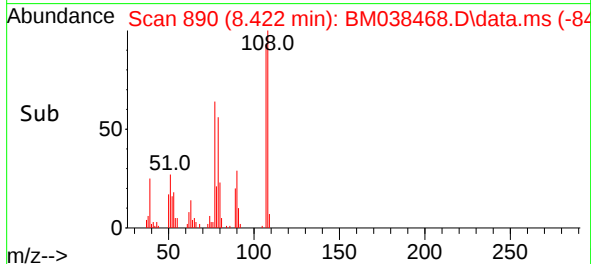
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 17473 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 107.6 | 85.7  | 128.5 |
| 77       | 68.9  | 50.5  | 75.7  |
| 79       | 60.7  | 47.4  | 71.0  |

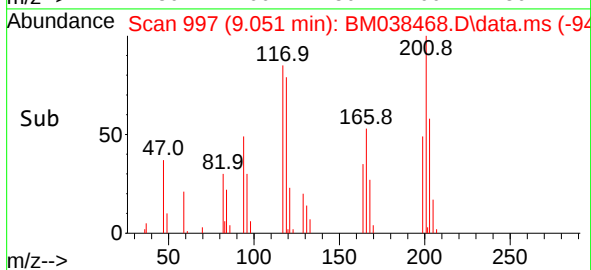
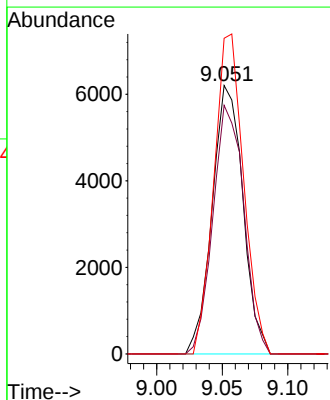
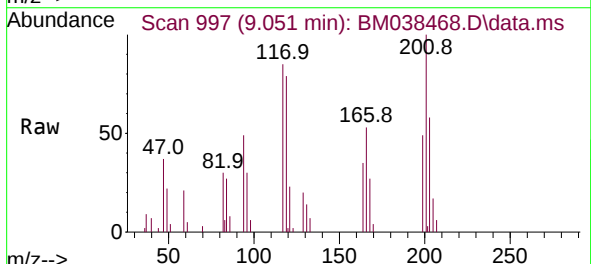
Manual Integrations  
APPROVED

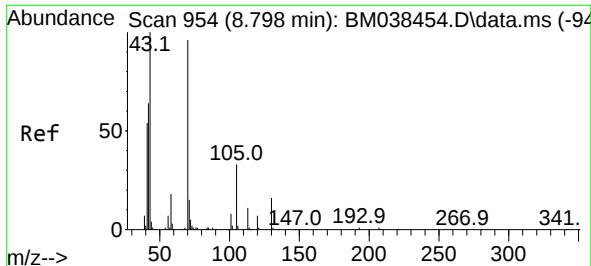
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#18  
Hexachloroethane  
Concen: 5.010 ng  
RT: 9.051 min Scan# 997  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

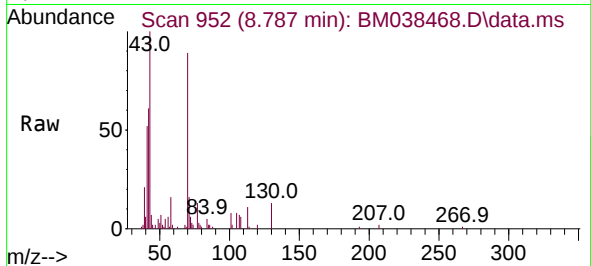
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 10137 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 92.6  | 74.5  | 111.7 |
| 201      | 121.5 | 91.3  | 136.9 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 4.538 ng  
RT: 8.787 min Scan# 91  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

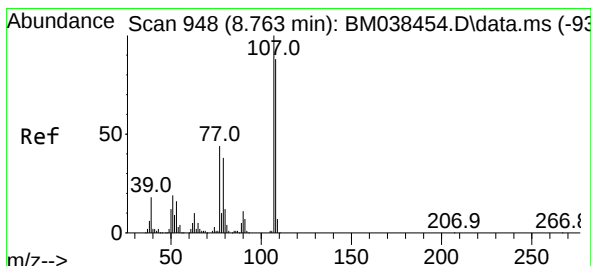
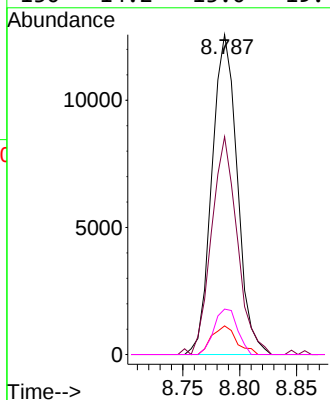
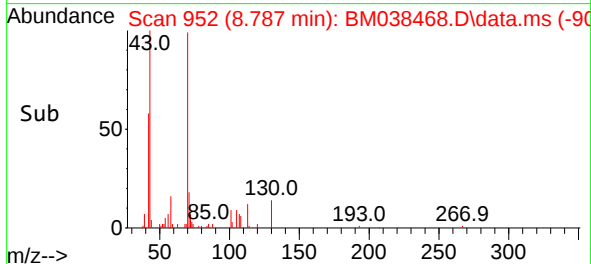
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



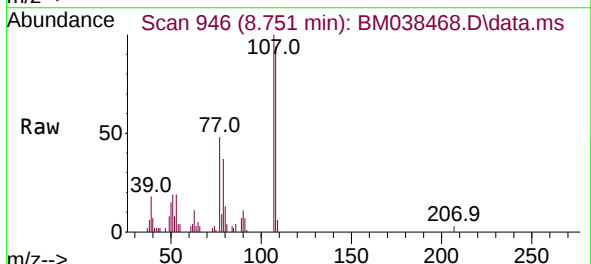
Tgt Ion: 70 Resp: 1953  
Ion Ratio Lower Upper  
70 100  
42 68.1 54.2 81.2  
101 9.0 6.6 10.0  
130 14.2 13.0 19.4

Manual Integrations  
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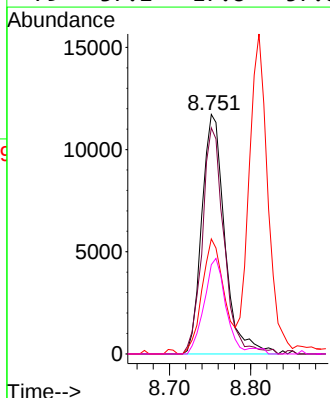
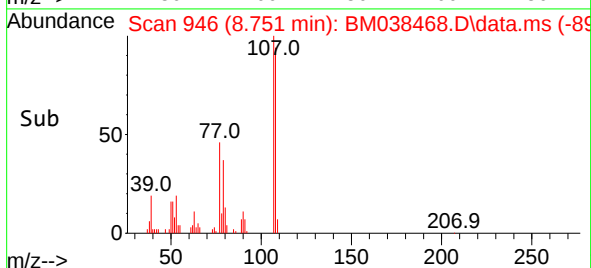
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023

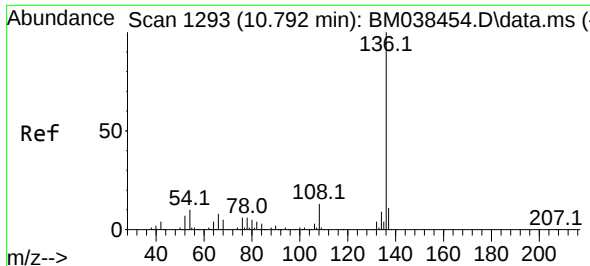


#20  
3+4-Methylphenols  
Concen: 4.118 ng  
RT: 8.751 min Scan# 946  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



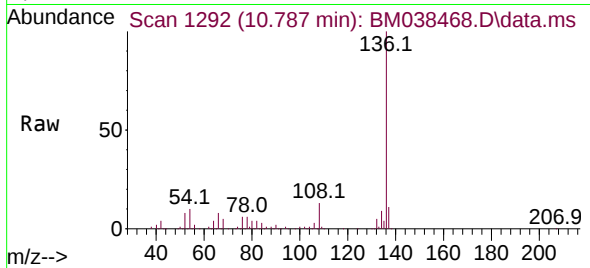
Tgt Ion:107 Resp: 23079  
Ion Ratio Lower Upper  
107 100  
108 94.3 67.6 107.6  
77 48.0 24.1 64.1  
79 37.2 17.8 57.8





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.787 min Scan# 1293  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

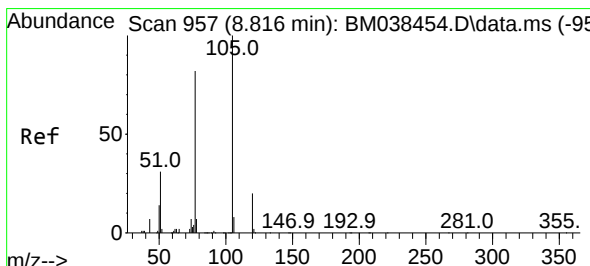
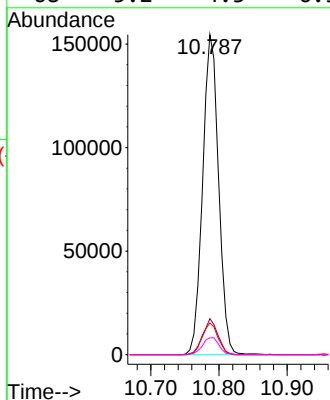
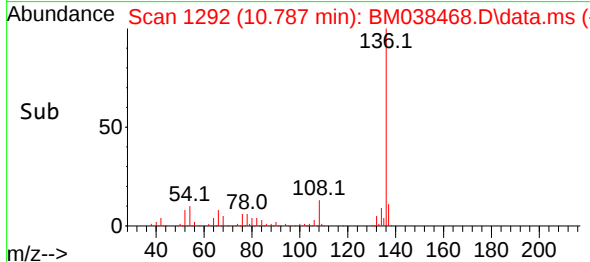
Instrument : BNA\_M  
ClientSampleId : LOQ-SOIL-02-QT3-2022



Tgt Ion:136 Resp: 251296  
Ion Ratio Lower Upper  
136 100  
137 11.2 9.0 13.4  
54 9.9 7.6 11.4  
68 5.2 4.3 6.5

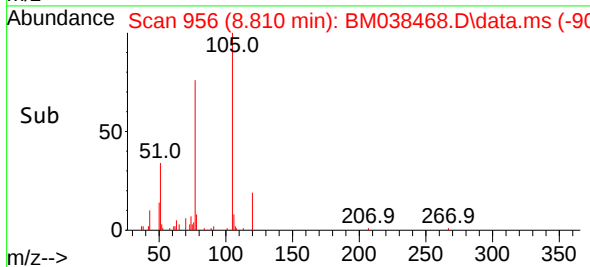
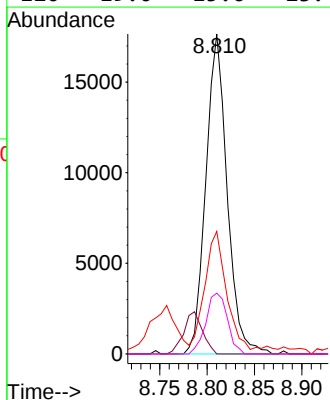
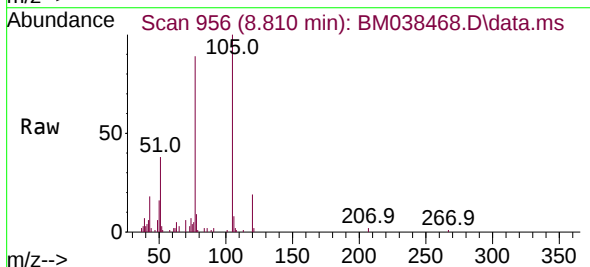
Manual Integrations  
APPROVED

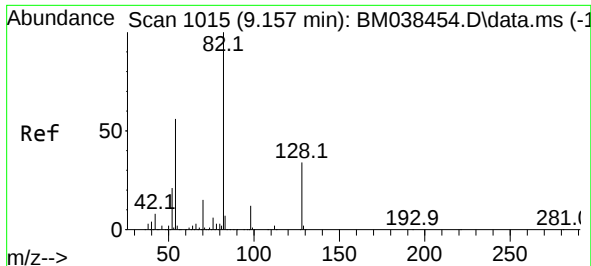
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#22  
Acetophenone  
Concen: 3.720 ng  
RT: 8.810 min Scan# 956  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:105 Resp: 27629  
Ion Ratio Lower Upper  
105 100  
71 0.0 1.0 1.6#  
51 38.3 27.4 41.2  
120 19.0 15.6 23.4





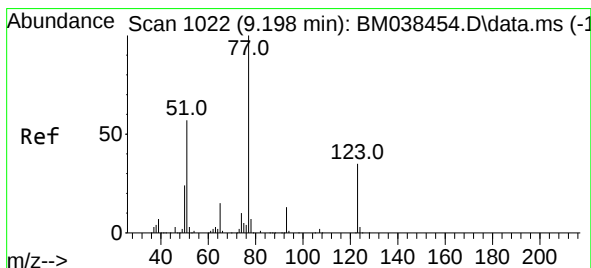
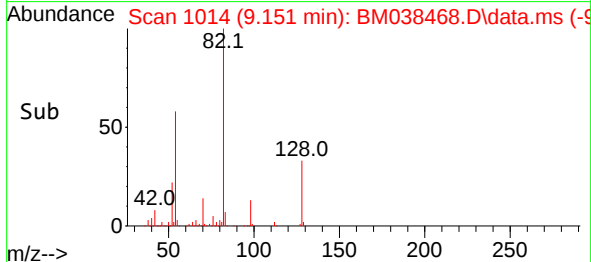
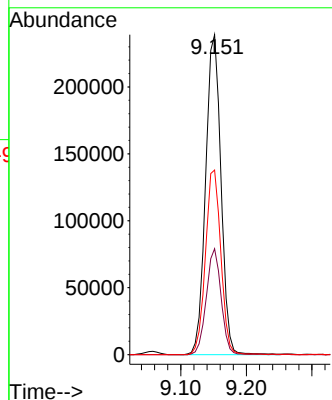
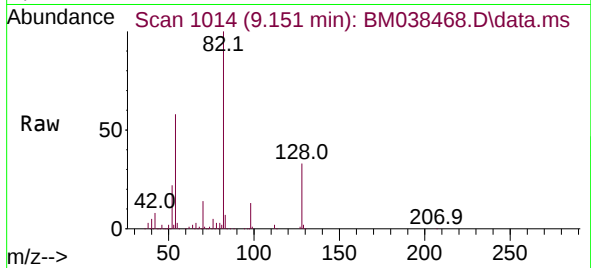
#23  
Nitrobenzene-d5  
Concen: 62.779 ng  
RT: 9.151 min Scan# 1014  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion: 82 Resp: 387188  
Ion Ratio Lower Upper  
82 100  
128 33.1 27.0 40.6  
54 57.7 45.0 67.6

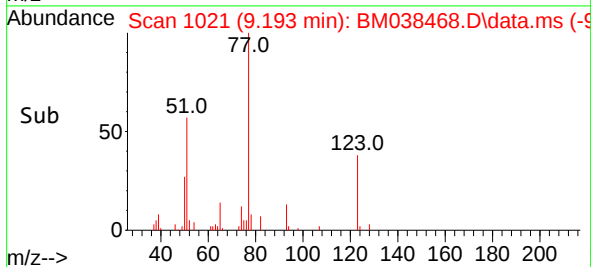
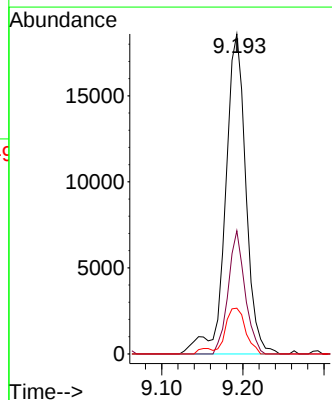
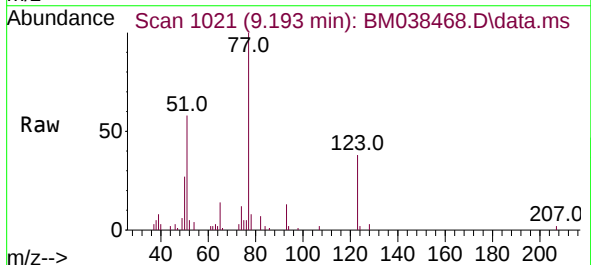
Manual Integrations  
APPROVED

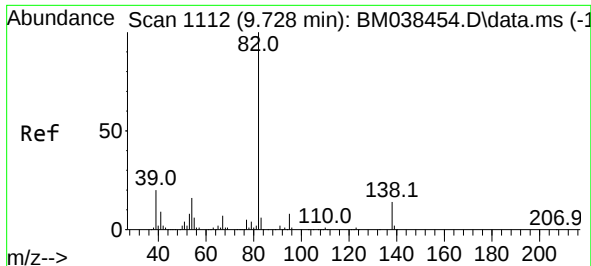
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#24  
Nitrobenzene  
Concen: 4.976 ng m  
RT: 9.193 min Scan# 1021  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

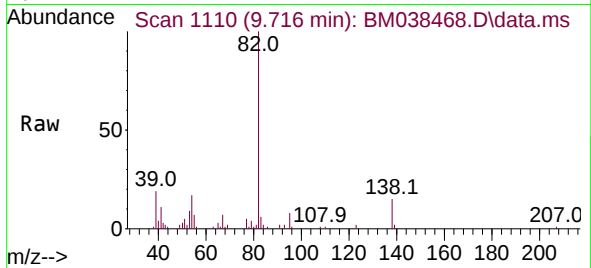
Tgt Ion: 77 Resp: 32423  
Ion Ratio Lower Upper  
77 100  
123 38.5 28.2 42.4  
65 14.3 12.1 18.1





#25  
Isophorone  
Concen: 4.421 ng  
RT: 9.716 min Scan# 1110  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

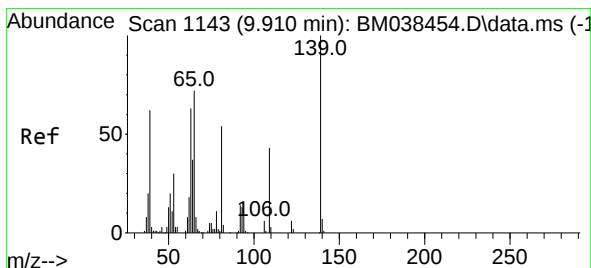
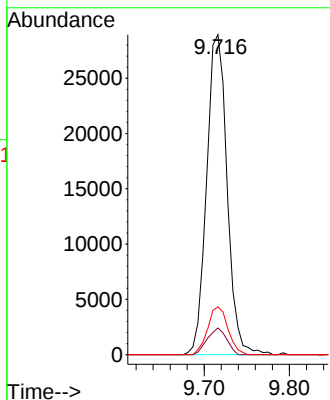
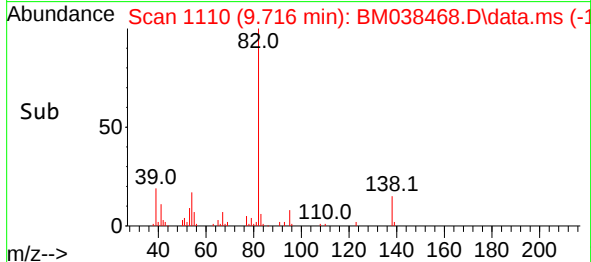
Instrument : BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion: 82 Resp: 48298  
Ion Ratio Lower Upper  
82 100  
95 8.3 6.1 9.1  
138 14.9 11.5 17.3

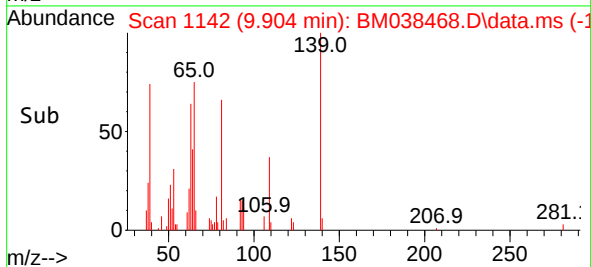
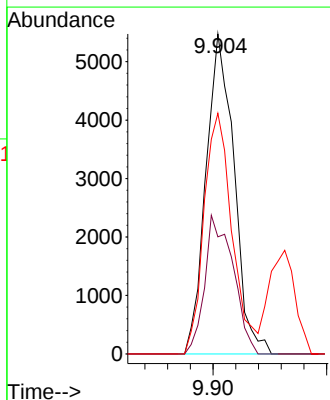
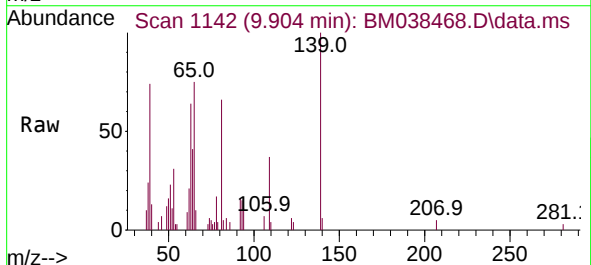
Manual Integrations  
APPROVED

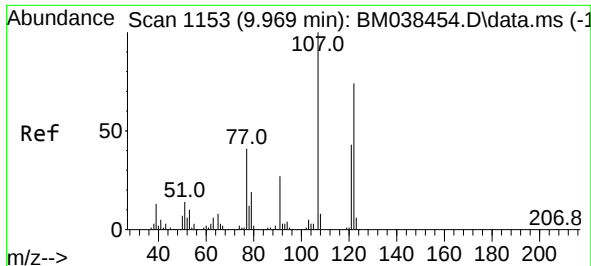
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#26  
2-Nitrophenol  
Concen: 4.105 ng  
RT: 9.904 min Scan# 1142  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:139 Resp: 9392  
Ion Ratio Lower Upper  
139 100  
109 36.6 34.7 52.1  
65 75.2 57.4 86.0





#27

2,4-Dimethylphenol

Concen: 4.263 ng

RT: 9.957 min Scan# 1151

Delta R.T. -0.012 min

Lab File: BM038468.D

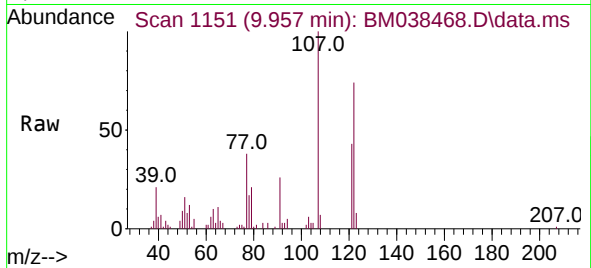
Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



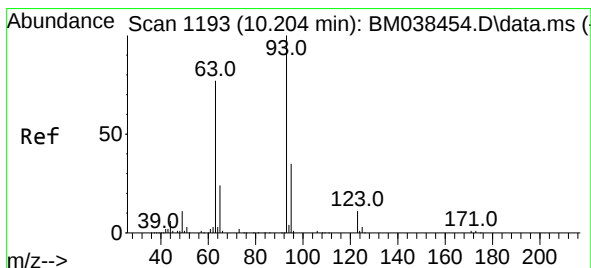
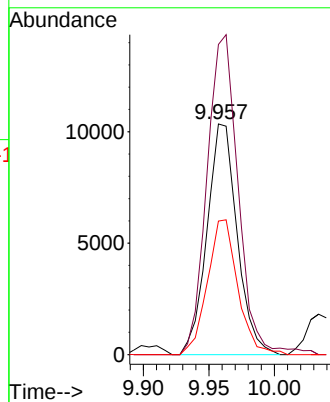
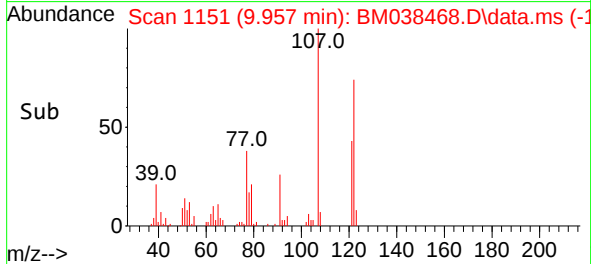
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 122   | Resp: | 16606 |
| Ion      | Ratio | Lower | Upper |
| 122      | 100   |       |       |
| 107      | 134.6 | 107.4 | 161.0 |
| 121      | 57.9  | 46.6  | 70.0  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#28

bis(2-Chloroethoxy)methane

Concen: 4.698 ng

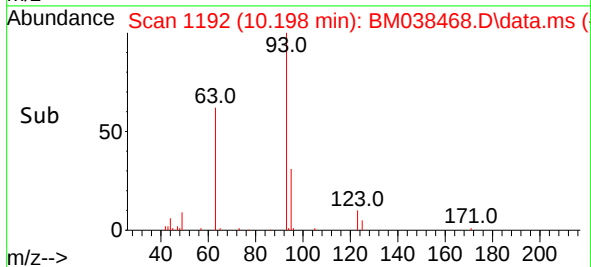
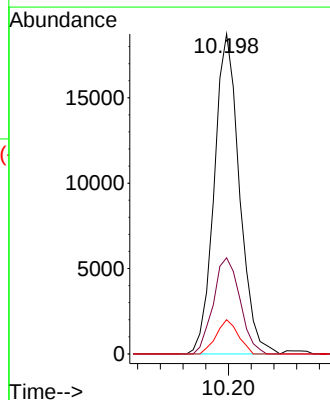
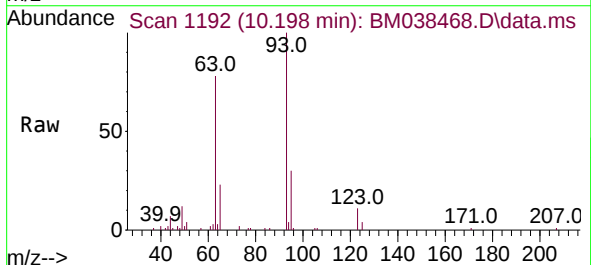
RT: 10.198 min Scan# 1192

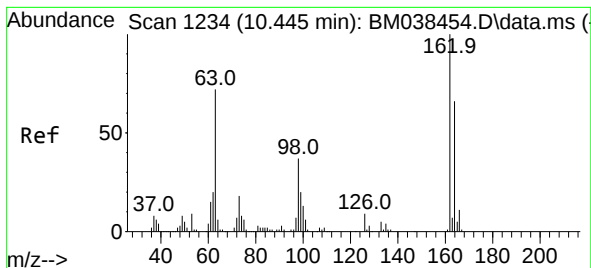
Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 93    | Resp: | 28866 |
| Ion      | Ratio | Lower | Upper |
| 93       | 100   |       |       |
| 95       | 30.1  | 27.7  | 41.5  |
| 123      | 10.7  | 8.6   | 13.0  |





#29

2,4-Dichlorophenol

Concen: 4.221 ng

RT: 10.440 min Scan# 1234

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

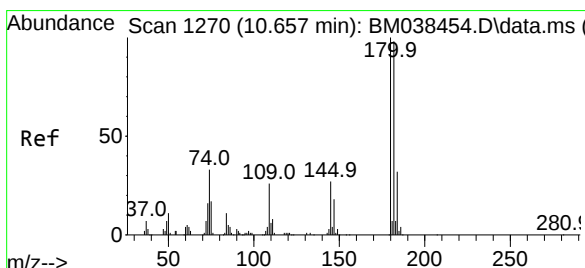
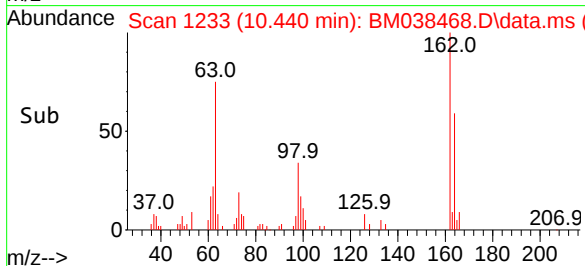
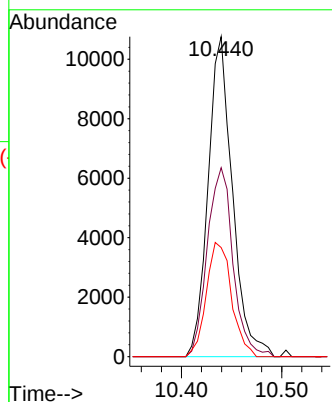
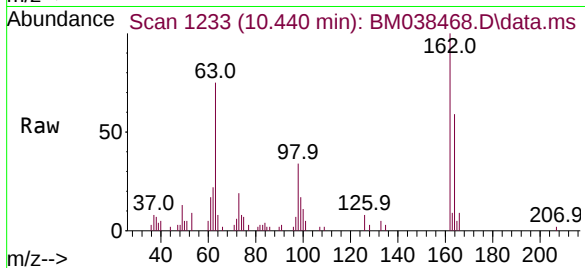
LOQ-SOIL-02-QT3-2022

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 18164 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 59.0  | 46.5  | 86.5  |
| 98        | 34.1  | 17.1  | 57.1  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#30

1,2,4-Trichlorobenzene

Concen: 4.583 ng

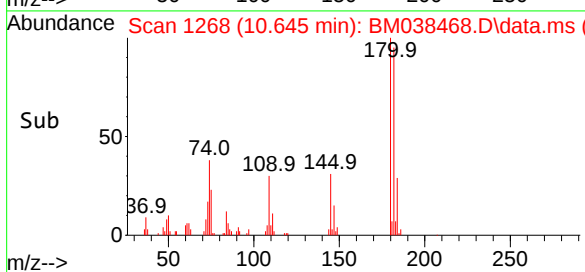
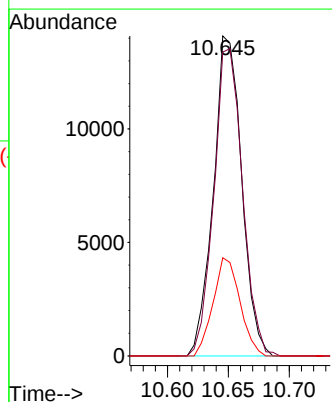
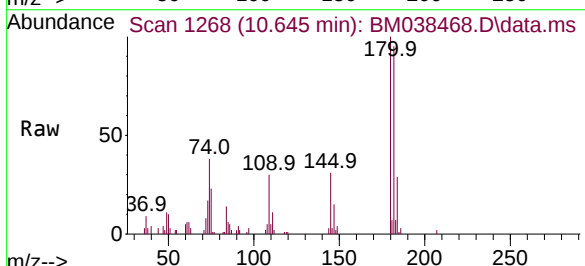
RT: 10.645 min Scan# 1268

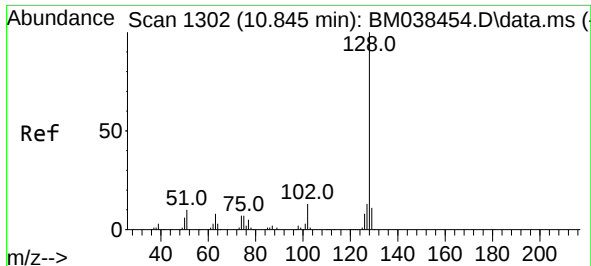
Delta R.T. -0.012 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 22811 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 94.9  | 78.1  | 117.1 |
| 145       | 30.7  | 21.9  | 32.9  |





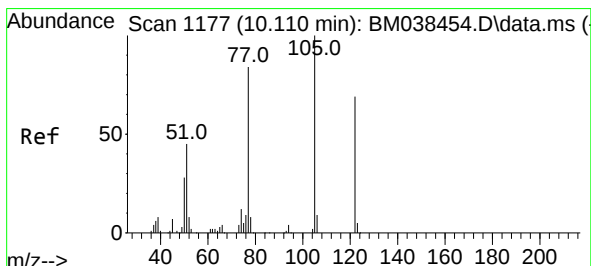
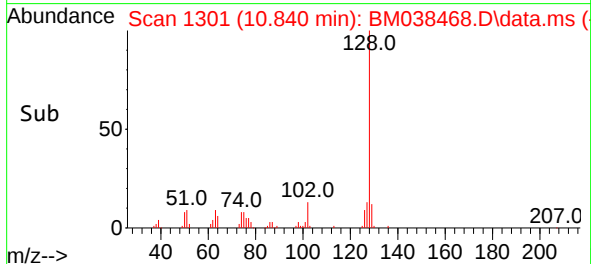
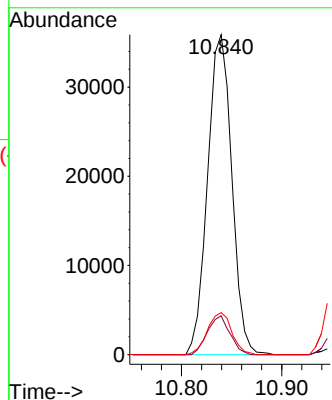
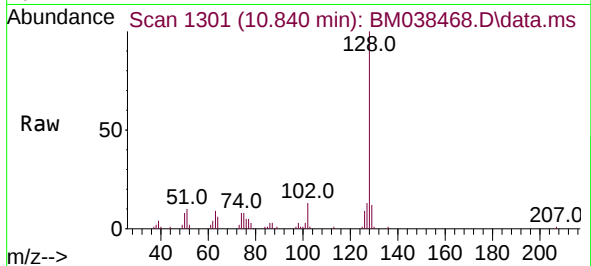
#31  
Naphthalene  
Concen: 4.515 ng  
RT: 10.840 min Scan# 1302  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion:128 Resp: 60136  
Ion Ratio Lower Upper  
128 100  
129 12.1 8.9 13.3  
127 13.1 10.8 16.2

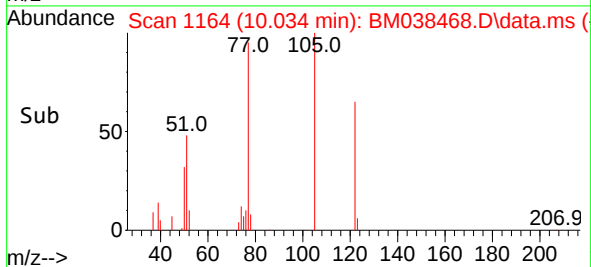
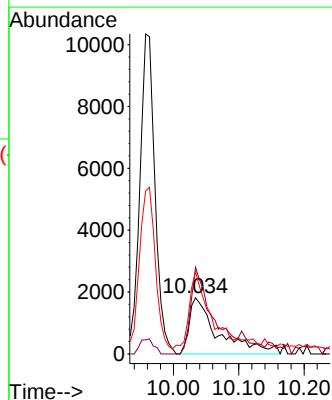
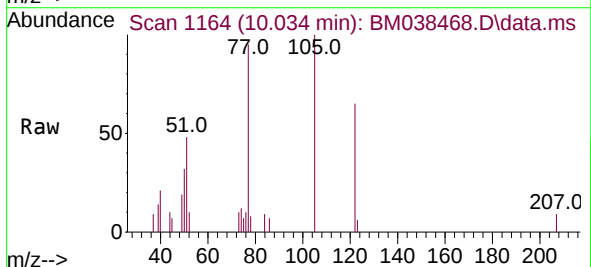
Manual Integrations  
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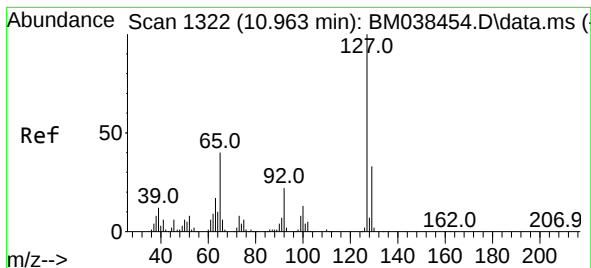
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#32  
Benzoic acid  
Concen: 6.638 ng m  
RT: 10.034 min Scan# 1164  
Delta R.T. -0.076 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:122 Resp: 5587  
Ion Ratio Lower Upper  
122 100  
105 154.3 122.6 162.6  
77 146.7 101.5 141.5#





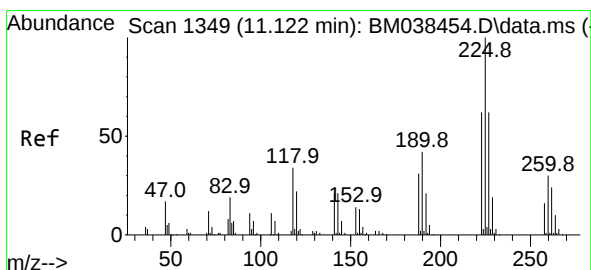
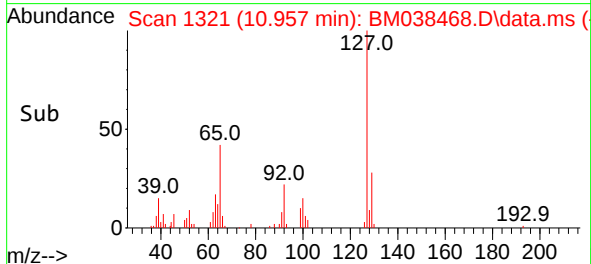
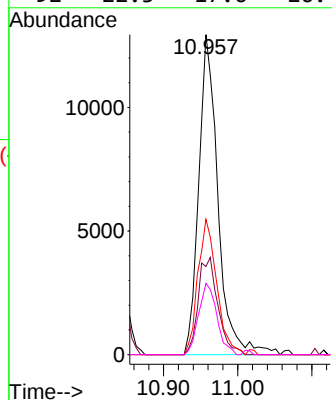
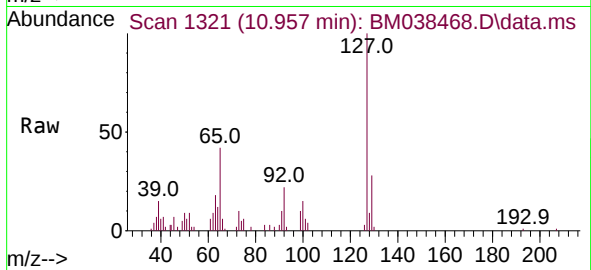
#33  
4-Chloroaniline  
Concen: 3.988 ng  
RT: 10.957 min Scan# 1321  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 23310 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 27.5  | 26.4  | 39.6  |
| 65        | 42.3  | 32.1  | 48.1  |
| 92        | 22.3  | 17.6  | 26.4  |

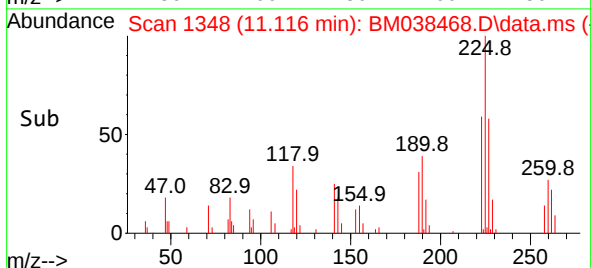
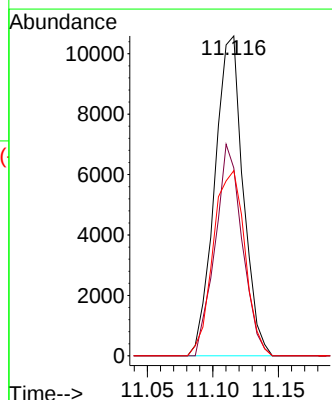
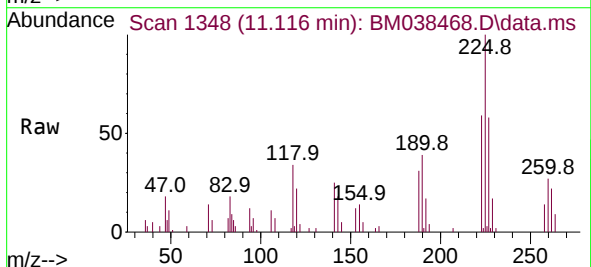
Manual Integrations  
APPROVED

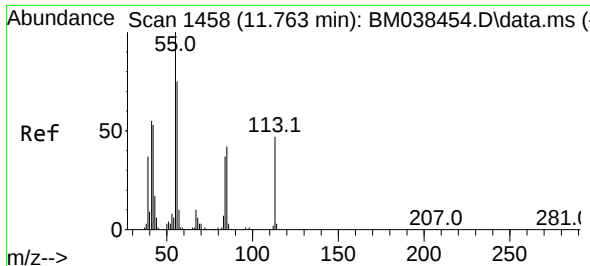
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#34  
Hexachlorobutadiene  
Concen: 4.578 ng  
RT: 11.116 min Scan# 1348  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

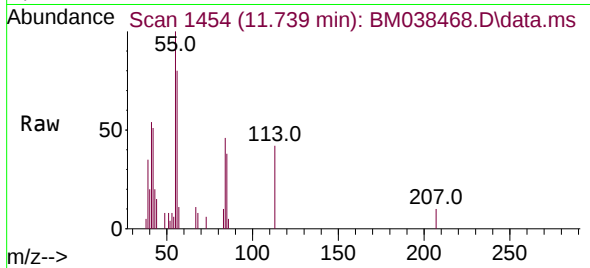
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 15978 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 58.7  | 49.8  | 74.8  |
| 227       | 57.9  | 49.6  | 74.4  |





#35  
Caprolactam  
Concen: 2.598 ng  
RT: 11.739 min Scan# 1458  
Delta R.T. -0.023 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

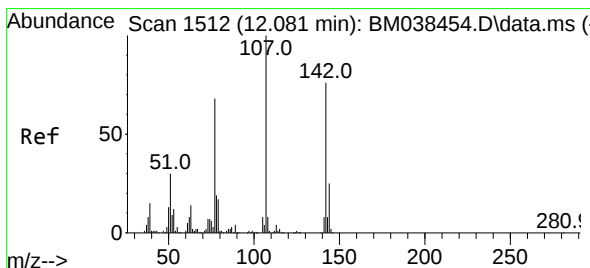
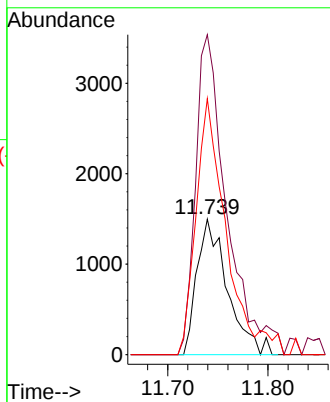
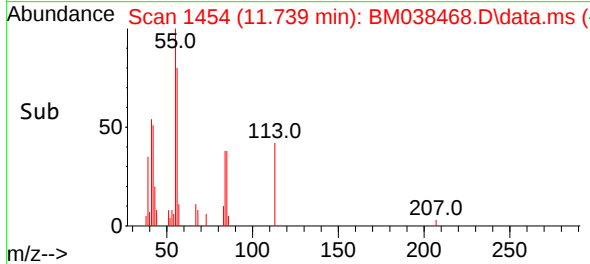
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



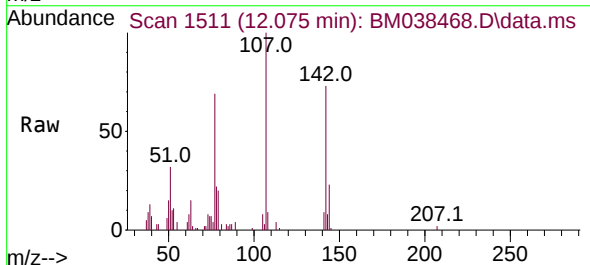
Tgt Ion:113 Resp: 3160  
Ion Ratio Lower Upper  
113 100  
55 236.3 194.2 234.2  
56 189.0 141.6 181.6

Manual Integrations  
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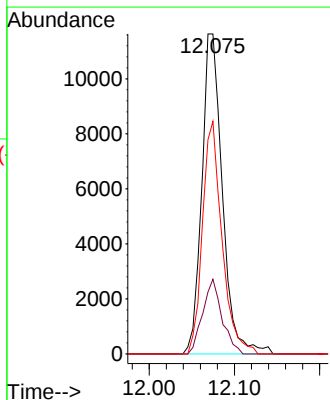
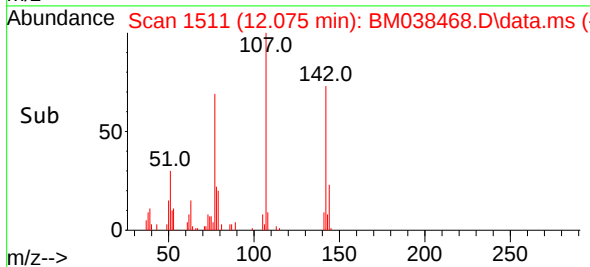
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023

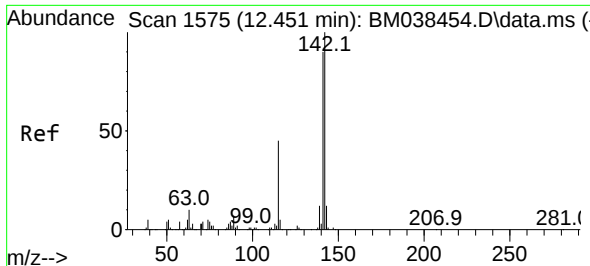


#36  
4-Chloro-3-methylphenol  
Concen: 4.160 ng  
RT: 12.075 min Scan# 1511  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



Tgt Ion:107 Resp: 19522  
Ion Ratio Lower Upper  
107 100  
144 23.3 20.3 30.5  
142 72.7 61.2 91.8





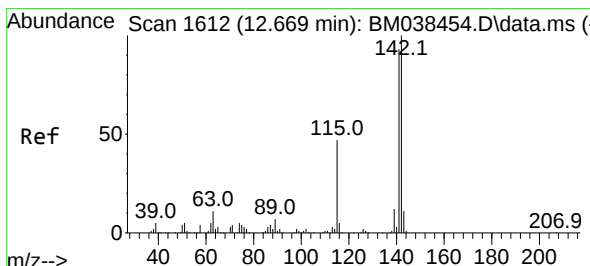
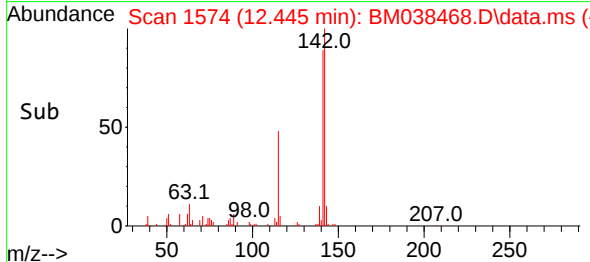
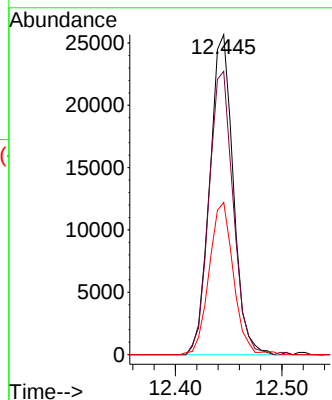
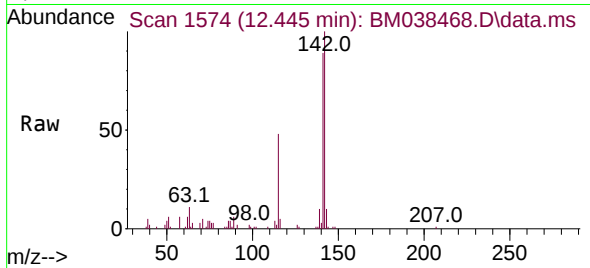
#37  
2-Methylnaphthalene  
Concen: 4.050 ng  
RT: 12.445 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion:142 Resp: 3943  
Ion Ratio Lower Upper  
142 100  
141 88.5 72.0 108.0  
115 47.6 35.9 53.9

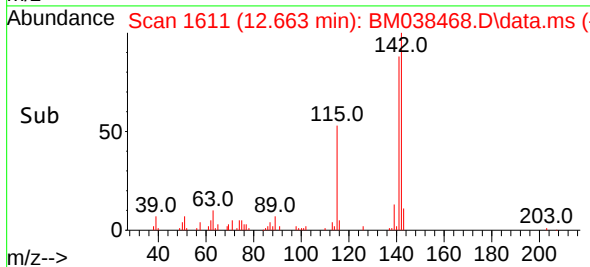
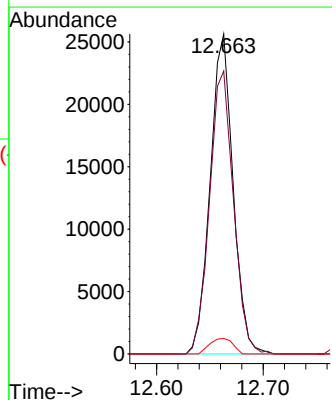
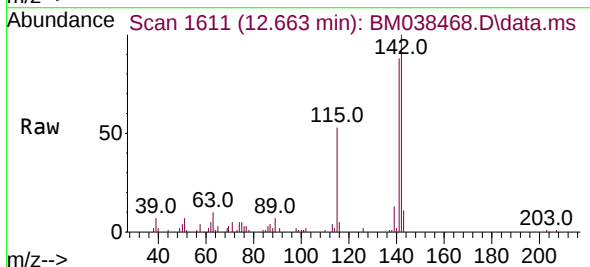
Manual Integrations  
APPROVED

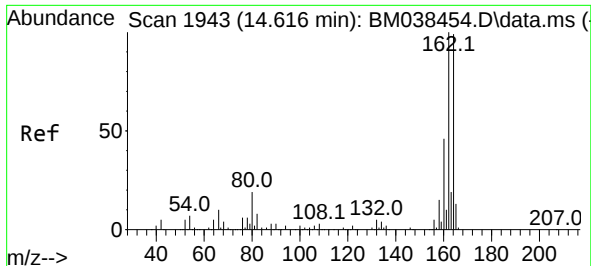
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#38  
1-Methylnaphthalene  
Concen: 4.185 ng  
RT: 12.663 min Scan# 1611  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

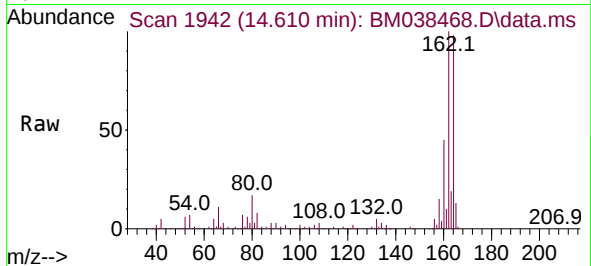
Tgt Ion:142 Resp: 38261  
Ion Ratio Lower Upper  
142 100  
141 88.4 74.4 111.6  
116 4.8 3.8 5.8





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.610 min Scan# 1943  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

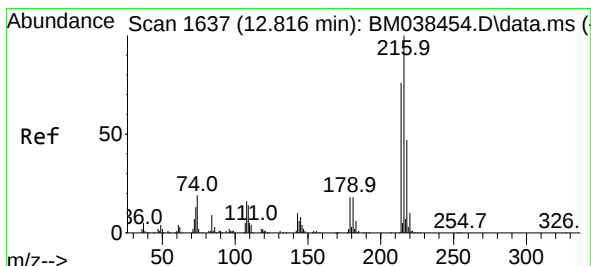
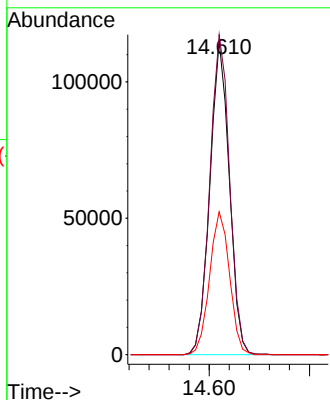
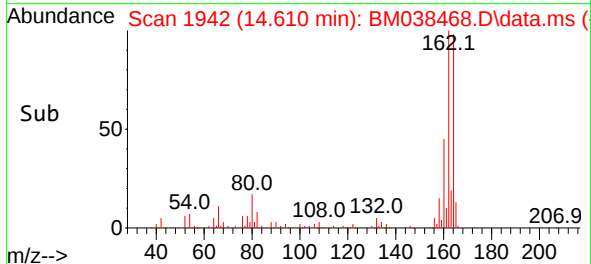
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:164 Resp: 154394  
Ion Ratio Lower Upper  
164 100  
162 102.0 80.9 121.3  
160 45.5 37.4 56.0

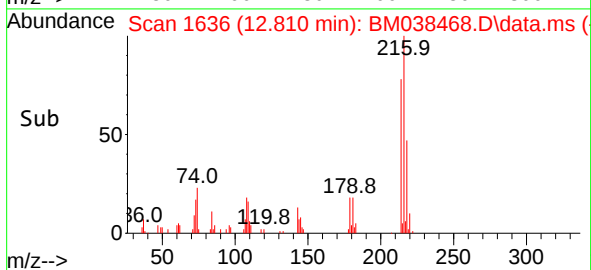
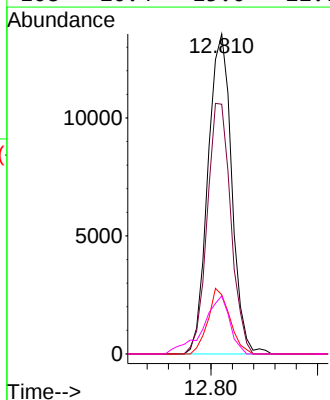
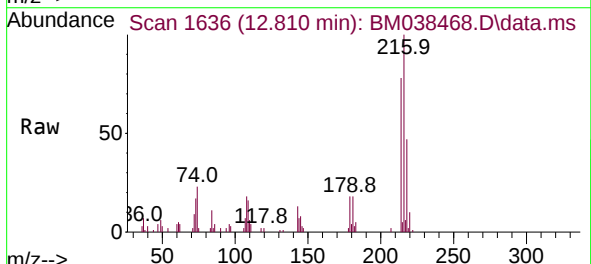
Manual Integrations  
APPROVED

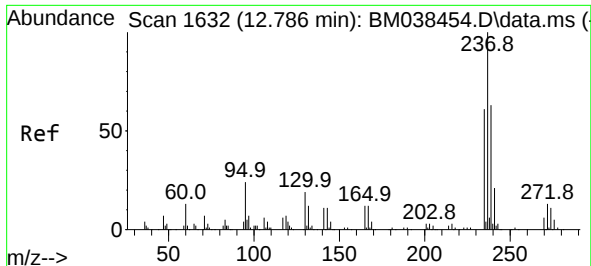
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.623 ng  
RT: 12.810 min Scan# 1636  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

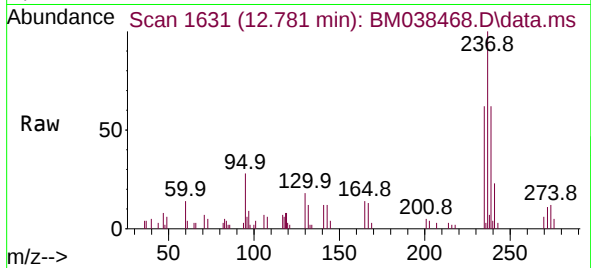
Tgt Ion:216 Resp: 20937  
Ion Ratio Lower Upper  
216 100  
214 77.8 61.4 92.0  
179 18.7 15.3 22.9  
108 20.4 15.0 22.6





#41  
Hexachlorocyclopentadiene  
Concen: 4.561 ng  
RT: 12.781 min Scan# 1632  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

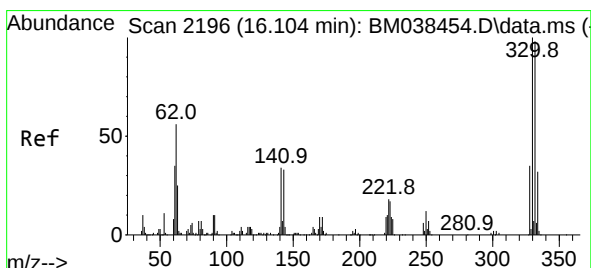
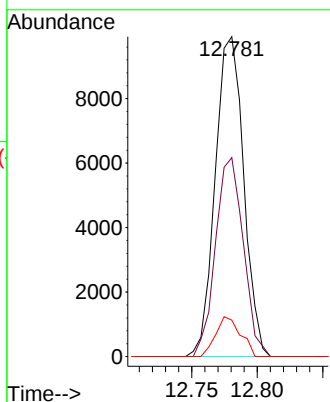
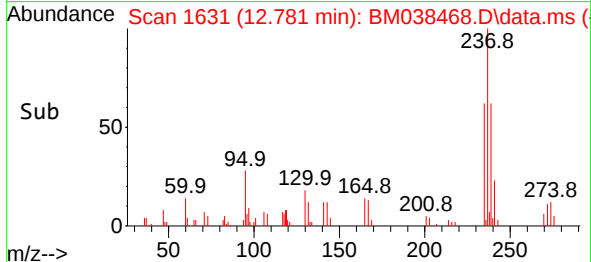
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



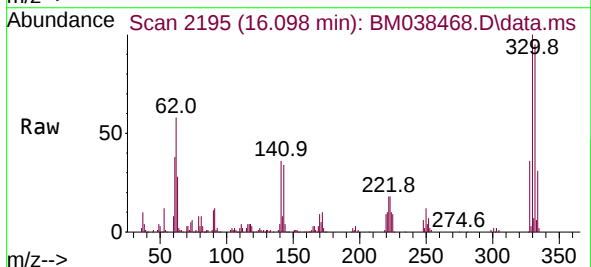
Tgt Ion: 237 Resp: 14985  
Ion Ratio Lower Upper  
237 100  
235 62.2 40.9 80.9  
272 11.4 0.0 32.6

Manual Integrations  
APPROVED

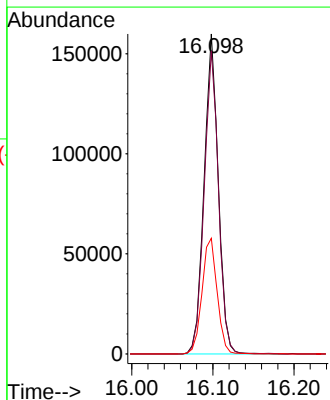
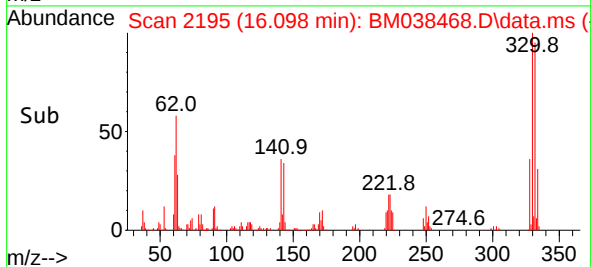
Reviewed By : Christian Giraldo 01/24/2023  
Supervised By : Jagrut Upadhyay 01/27/2023

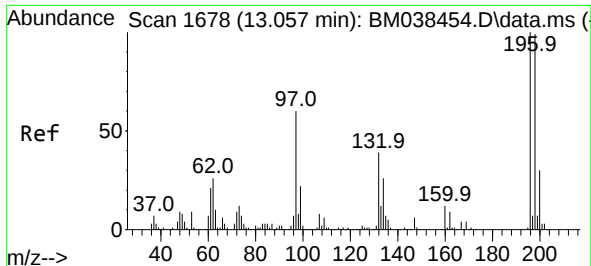


#42  
2,4,6-Tribromophenol  
Concen: 74.567 ng  
RT: 16.098 min Scan# 2195  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



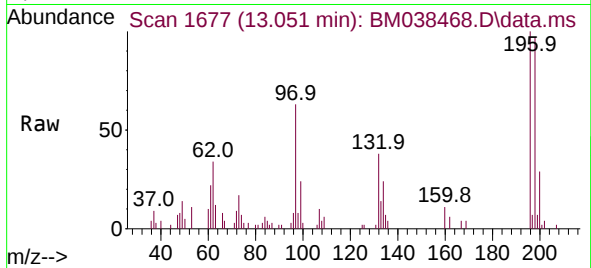
Tgt Ion: 330 Resp: 194622  
Ion Ratio Lower Upper  
330 100  
332 95.3 77.0 115.4  
141 38.4 28.1 42.1





#43  
2,4,6-Trichlorophenol  
Concen: 4.204 ng  
RT: 13.051 min Scan# 1677  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

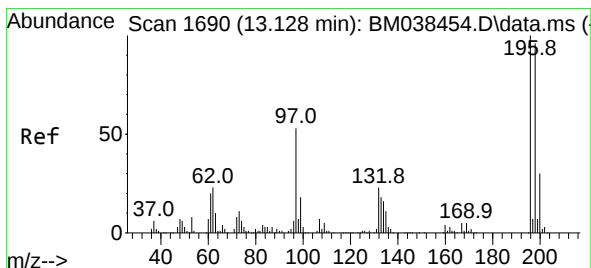
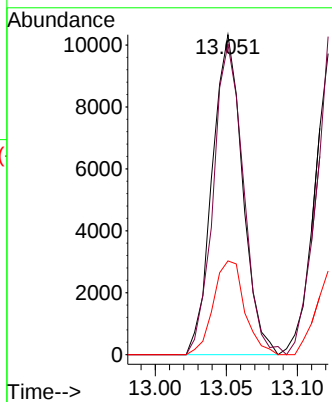
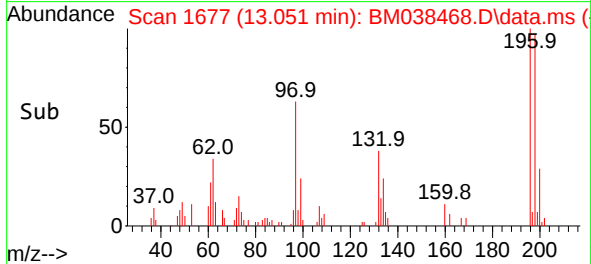
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



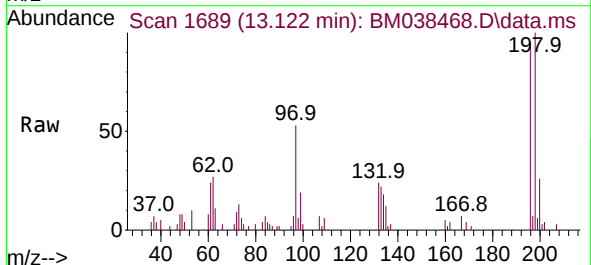
Tgt Ion:196 Resp: 15356  
Ion Ratio Lower Upper  
196 100  
198 97.0 78.8 118.2  
200 29.3 24.4 36.6

Manual Integrations  
APPROVED

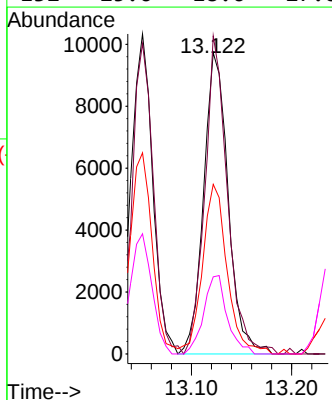
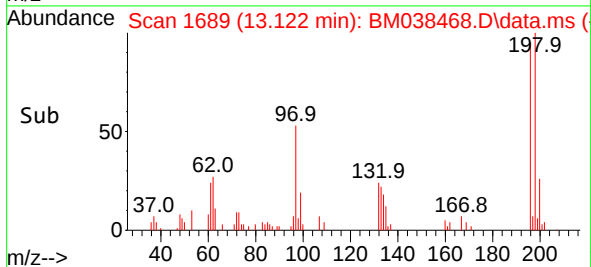
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023

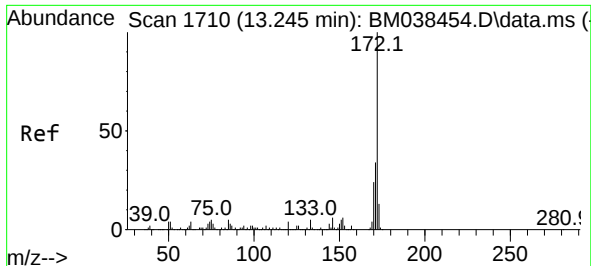


#44  
2,4,5-Trichlorophenol  
Concen: 3.832 ng  
RT: 13.122 min Scan# 1689  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



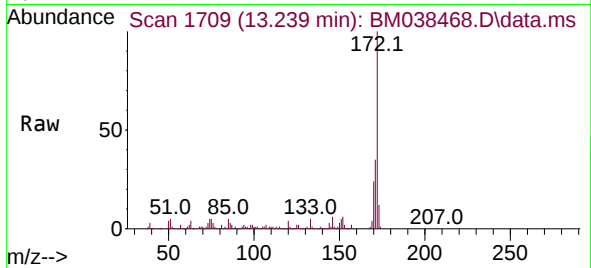
Tgt Ion:196 Resp: 16504  
Ion Ratio Lower Upper  
196 100  
198 105.7 77.4 116.2  
97 56.3 42.4 63.6  
132 25.6 18.6 27.8





#45  
2-Fluorobiphenyl  
Concen: 59.368 ng  
RT: 13.239 min Scan# 1709  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

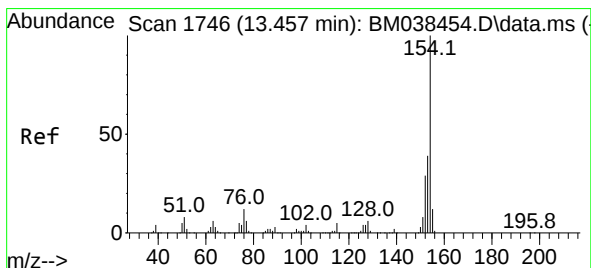
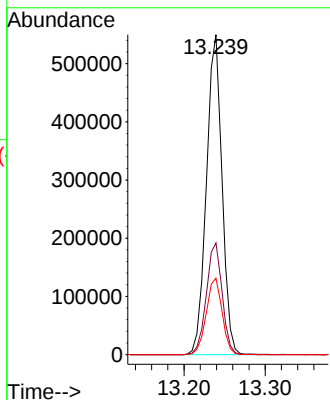
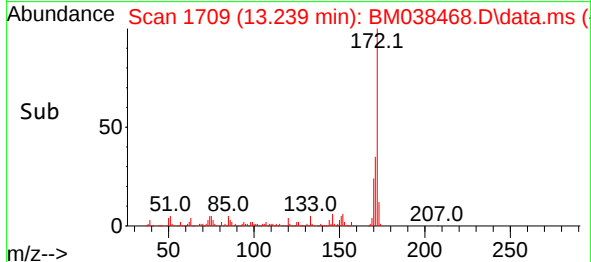
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



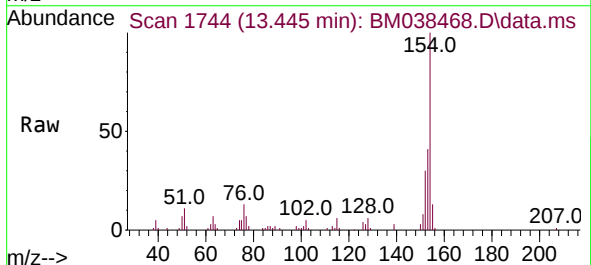
Tgt Ion:172 Resp: 734987  
Ion Ratio Lower Upper  
172 100  
171 34.9 27.5 41.3  
170 23.9 19.0 28.6

Manual Integrations  
APPROVED

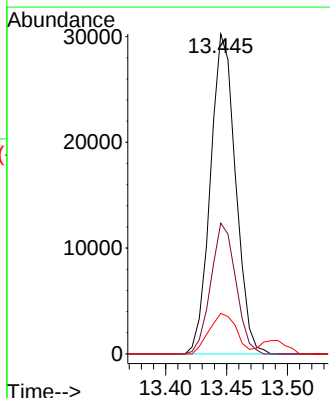
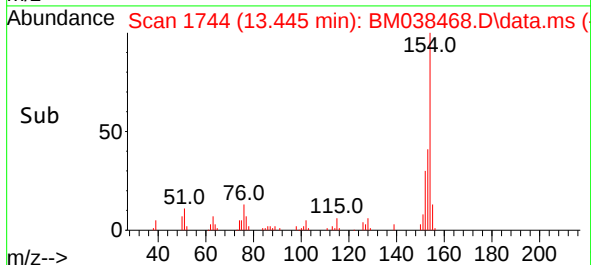
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023

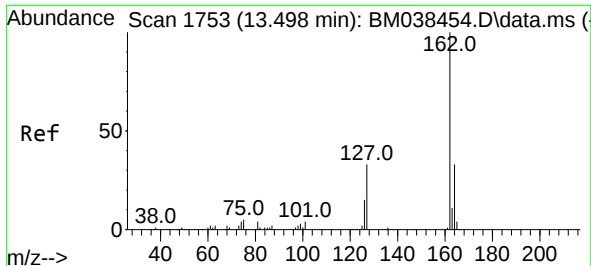


#46  
1,1'-Biphenyl  
Concen: 3.638 ng  
RT: 13.445 min Scan# 1744  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



Tgt Ion:154 Resp: 43577  
Ion Ratio Lower Upper  
154 100  
153 40.9 19.3 59.3  
76 12.6 0.0 32.2





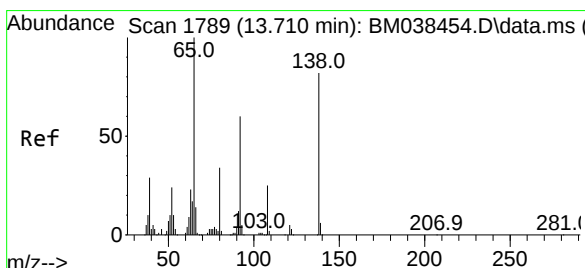
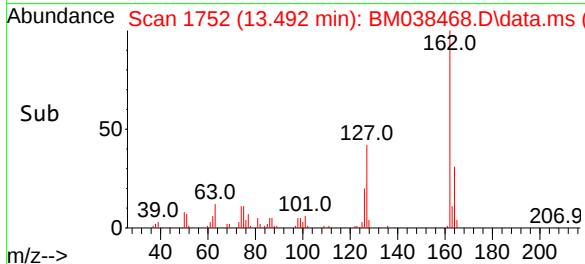
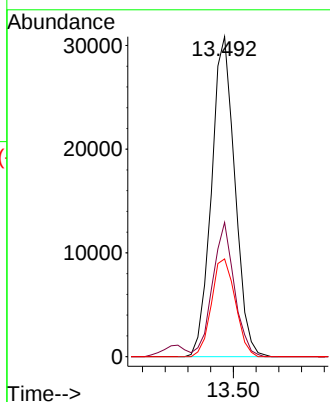
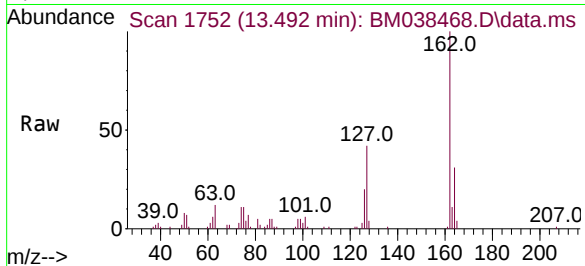
#47  
2-Chloronaphthalene  
Concen: 4.667 ng  
RT: 13.492 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument : BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion:162 Resp: 44000  
Ion Ratio Lower Upper  
162 100  
127 41.9 29.5 44.3  
164 30.5 26.2 39.4

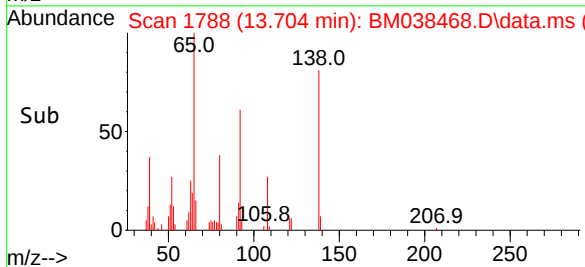
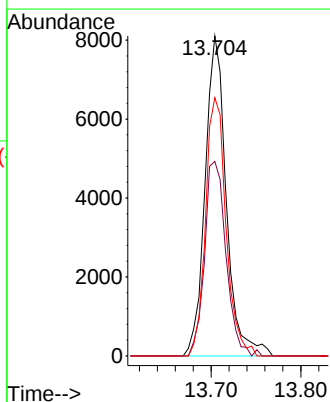
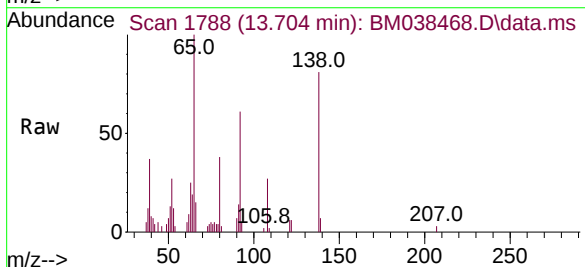
Manual Integrations  
APPROVED

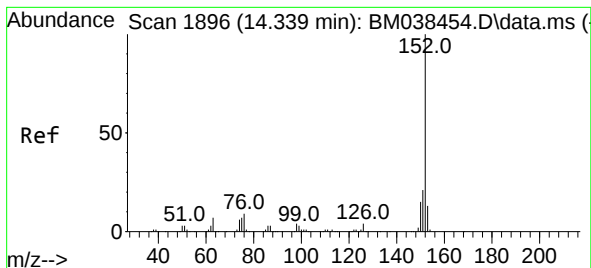
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#48  
2-Nitroaniline  
Concen: 5.648 ng  
RT: 13.704 min Scan# 1788  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion: 65 Resp: 13320  
Ion Ratio Lower Upper  
65 100  
92 60.8 47.6 71.4  
138 80.7 65.8 98.8





#49

Acenaphthylene

Concen: 4.255 ng

RT: 14.333 min Scan# 1895

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

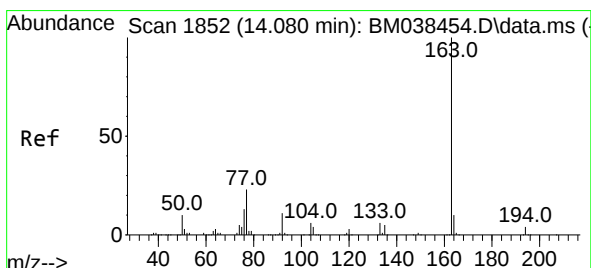
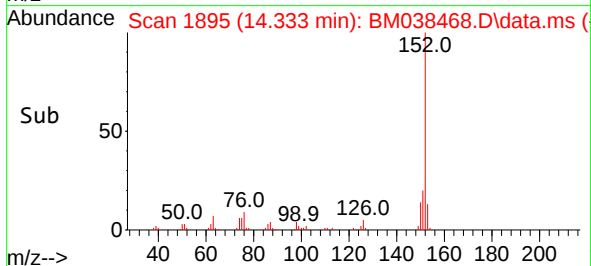
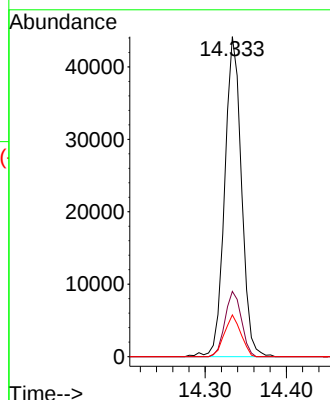
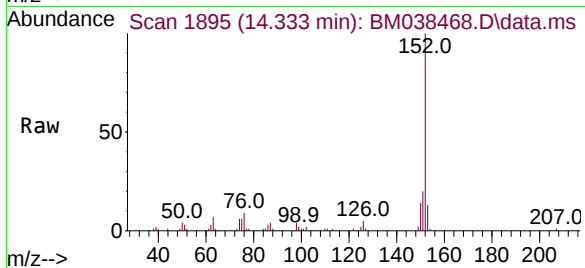
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 63240 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 20.4  | 16.4  | 24.6  |
| 153       | 13.0  | 10.6  | 15.8  |

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#50

Dimethylphthalate

Concen: 4.222 ng

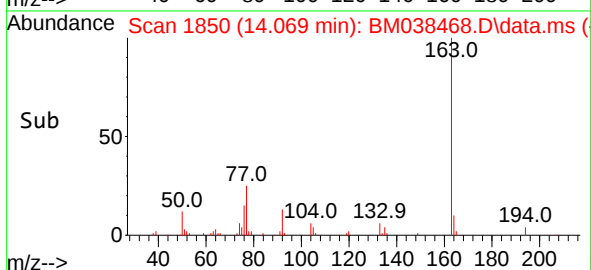
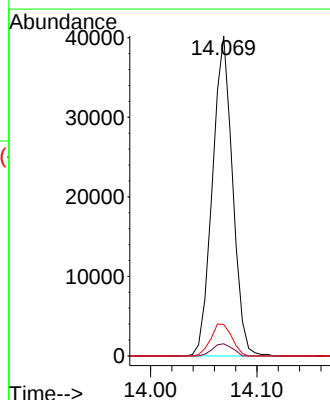
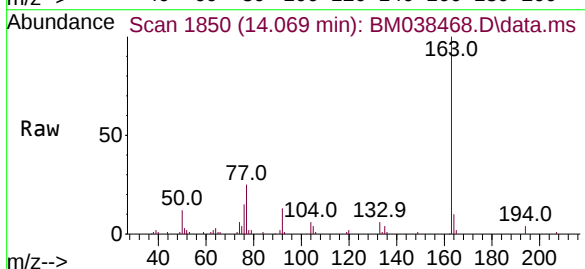
RT: 14.069 min Scan# 1850

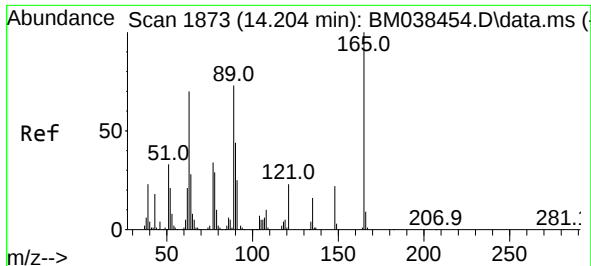
Delta R.T. -0.012 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

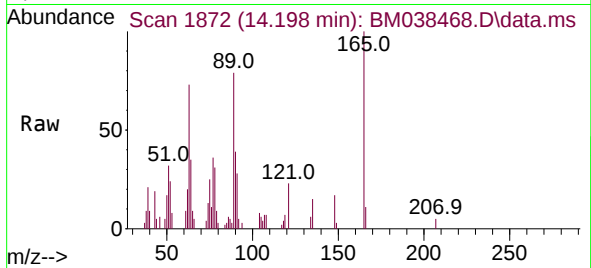
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 163   | Resp: | 52833 |
| Ion Ratio | Lower | Upper |       |
| 163       | 100   |       |       |
| 194       | 3.8   | 3.6   | 5.4   |
| 164       | 9.8   | 7.8   | 11.8  |





#51  
2,6-Dinitrotoluene  
Concen: 3.912 ng  
RT: 14.198 min Scan# 1872  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

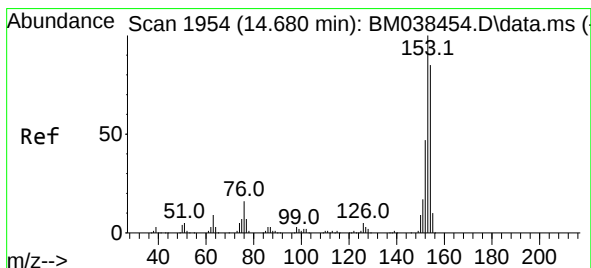
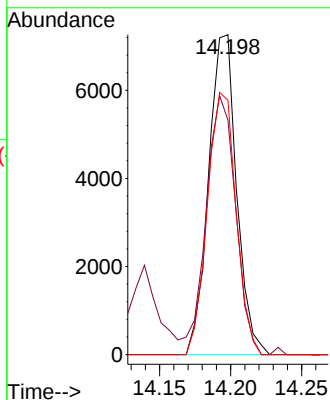
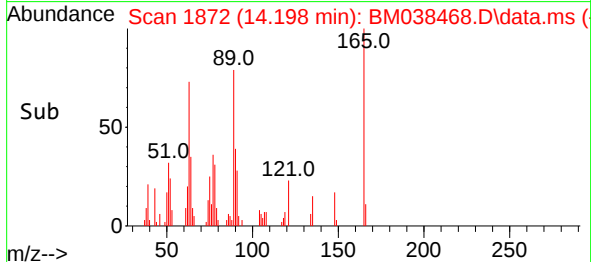
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 9958  
Ion Ratio Lower Upper  
165 100  
63 73.2 60.9 91.3  
89 79.5 58.6 87.8

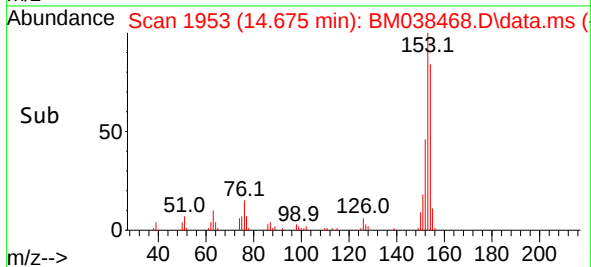
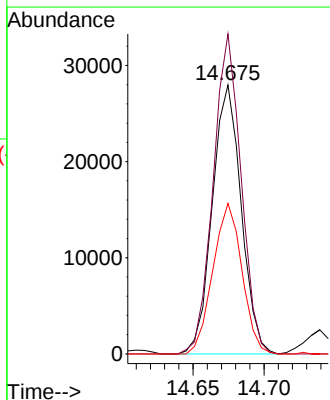
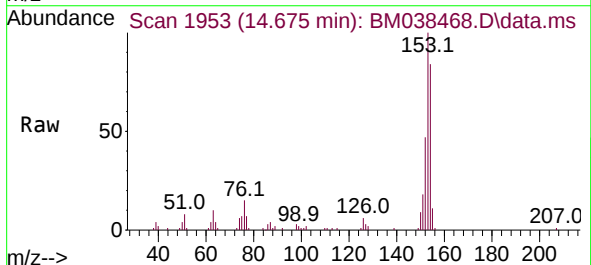
Manual Integrations  
APPROVED

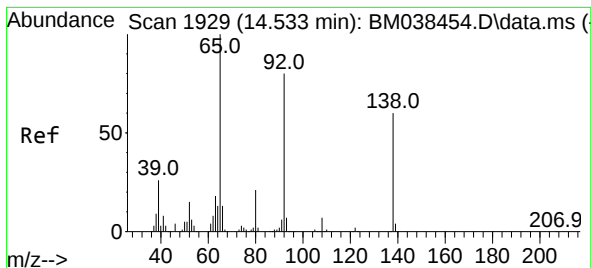
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#52  
Acenaphthene  
Concen: 4.386 ng  
RT: 14.675 min Scan# 1953  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:154 Resp: 39618  
Ion Ratio Lower Upper  
154 100  
153 119.0 93.8 140.6  
152 56.0 44.2 66.4





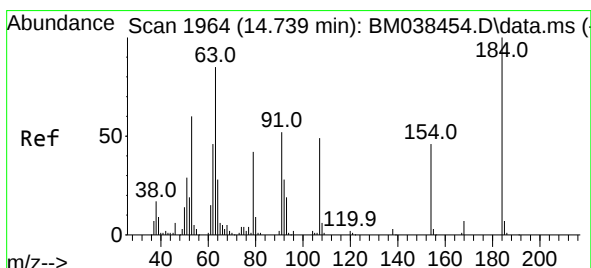
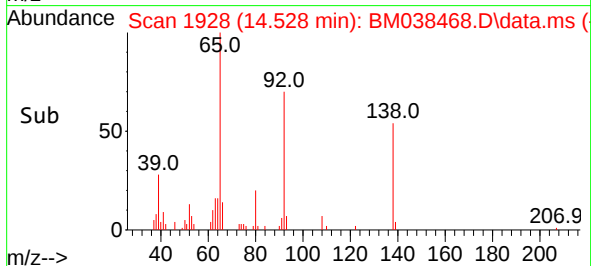
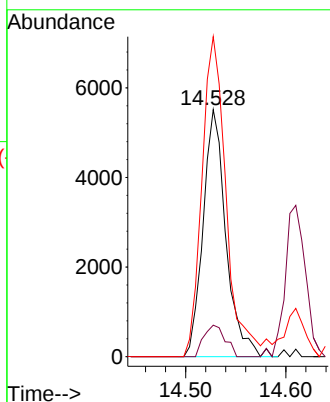
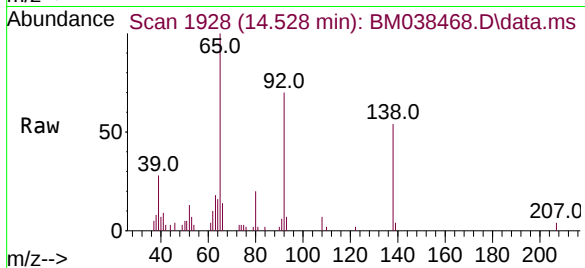
#53  
3-Nitroaniline  
Concen: 5.597 ng  
RT: 14.528 min Scan# 1928  
Delta R.T. -0.005 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion:138 Resp: 874  
Ion Ratio Lower Upper  
138 100  
108 12.8 8.9 13.3  
92 129.6 106.4 159.6

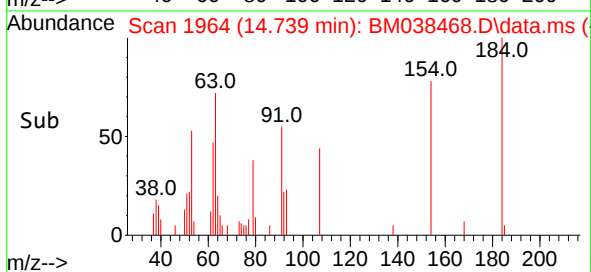
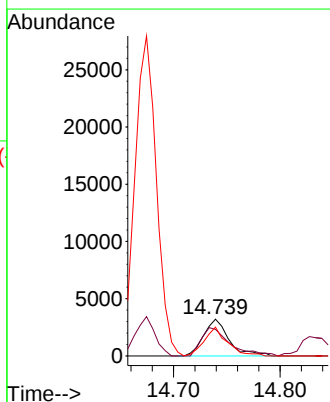
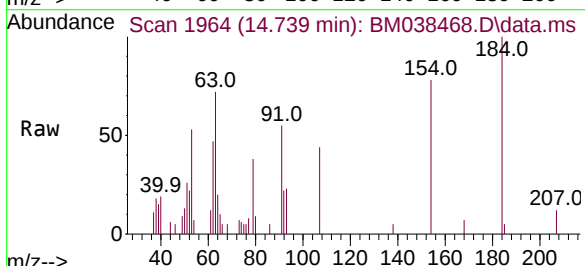
Manual Integrations  
APPROVED

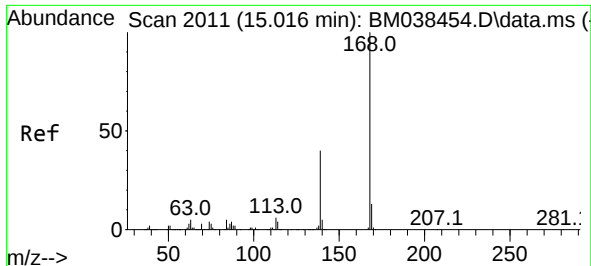
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#54  
2,4-Dinitrophenol  
Concen: 7.817 ng  
RT: 14.739 min Scan# 1964  
Delta R.T. 0.000 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

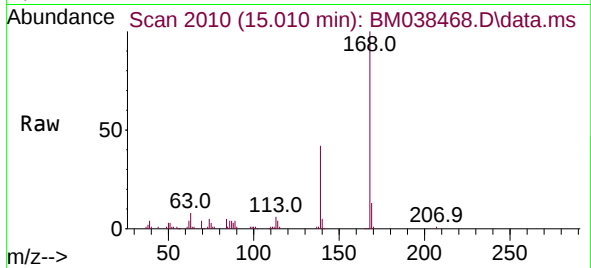
Tgt Ion:184 Resp: 5235  
Ion Ratio Lower Upper  
184 100  
63 72.2 70.0 105.0  
154 78.3 55.6 83.4





#55  
Dibenzofuran  
Concen: 4.220 ng  
RT: 15.010 min Scan# 2011  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

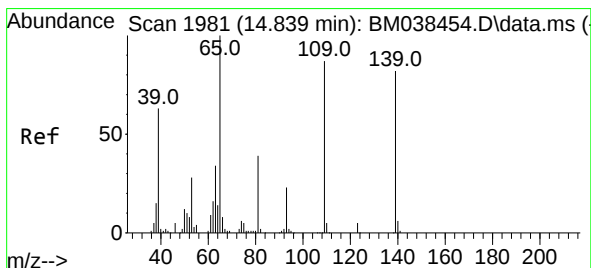
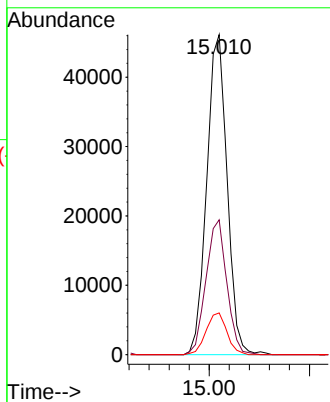
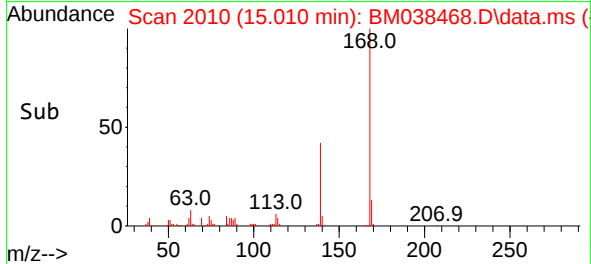
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:168 Resp: 6489  
Ion Ratio Lower Upper  
168 100  
139 42.1 31.9 47.9  
169 13.0 10.5 15.7

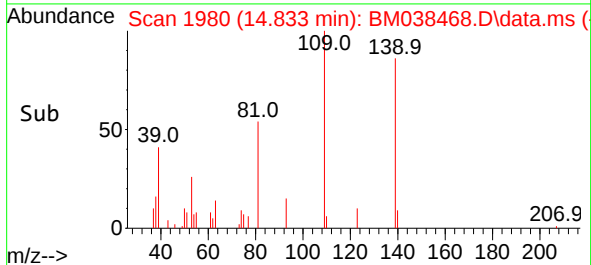
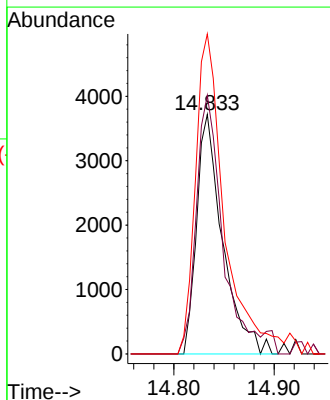
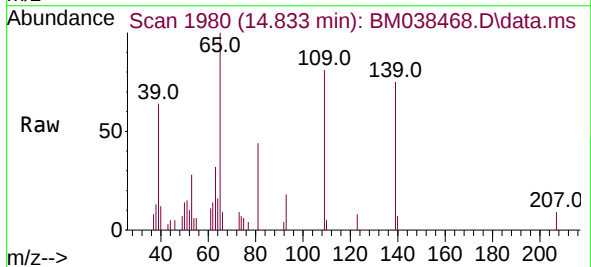
Manual Integrations  
APPROVED

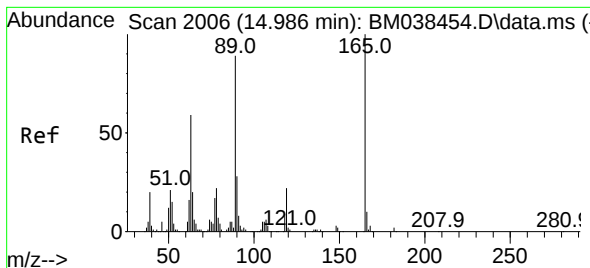
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#56  
4-Nitrophenol  
Concen: 6.673 ng  
RT: 14.833 min Scan# 1980  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

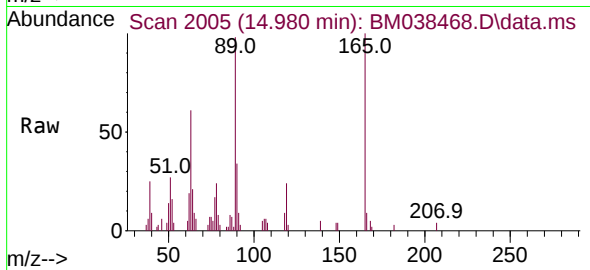
Tgt Ion:139 Resp: 6658  
Ion Ratio Lower Upper  
139 100  
109 108.0 86.0 126.0  
65 133.6 102.7 142.7





#57  
2,4-Dinitrotoluene  
Concen: 3.651 ng  
RT: 14.980 min Scan# 2006  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

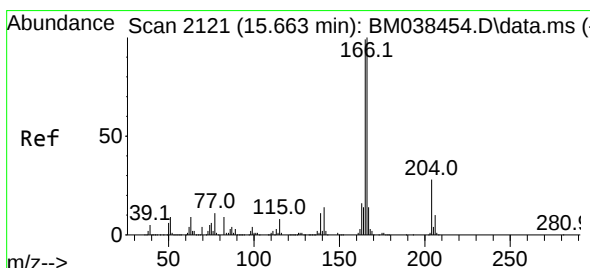
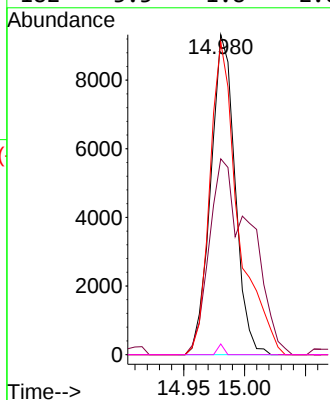
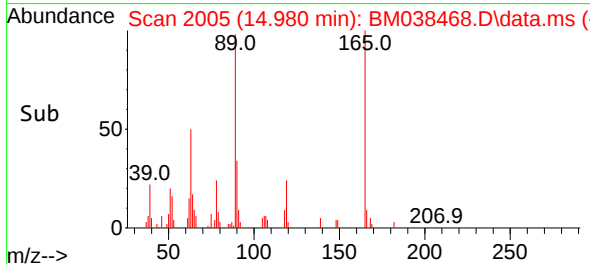
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:165 Resp: 12918  
Ion Ratio Lower Upper  
165 100  
63 61.2 47.7 71.5  
89 97.7 71.5 107.3  
182 3.3 1.8 2.6#

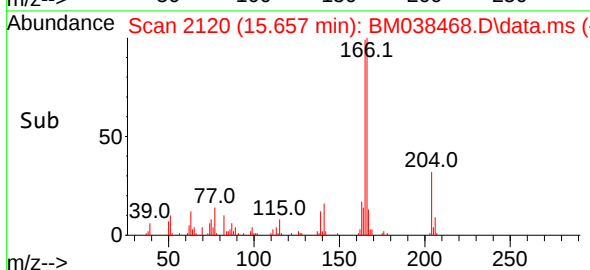
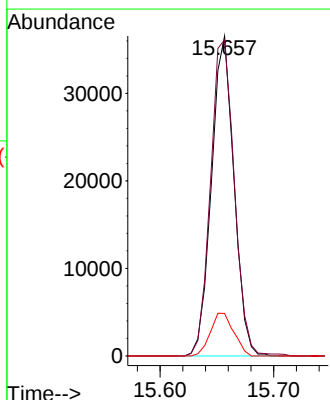
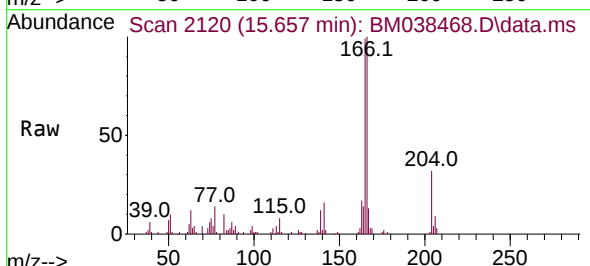
Manual Integrations  
APPROVED

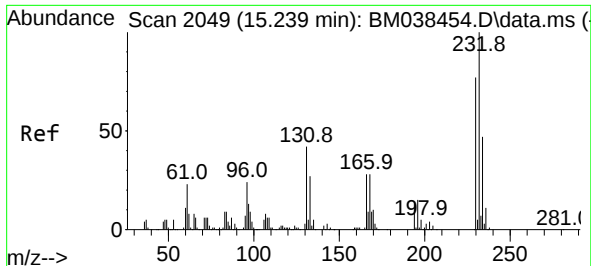
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#58  
Fluorene  
Concen: 3.914 ng  
RT: 15.657 min Scan# 2120  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

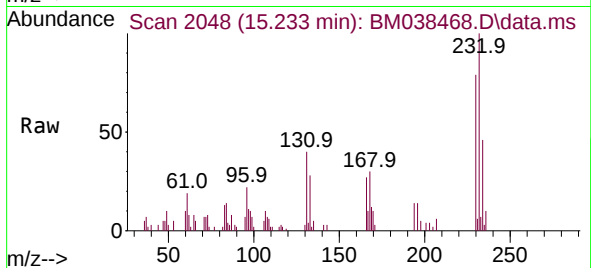
Tgt Ion:166 Resp: 50298  
Ion Ratio Lower Upper  
166 100  
165 98.8 79.2 118.8  
167 13.3 11.0 16.4





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 3.850 ng  
RT: 15.233 min Scan# 2049  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

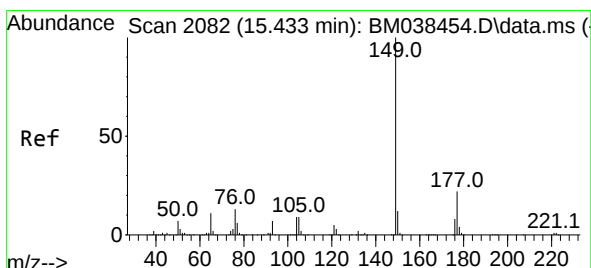
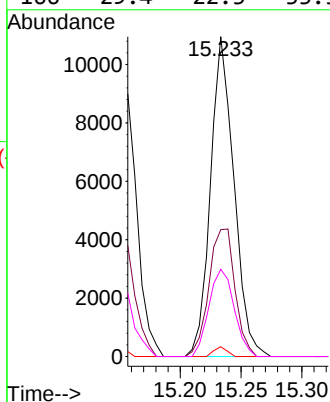
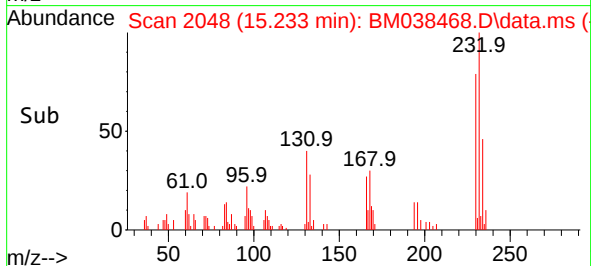
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:232 Resp: 14703  
Ion Ratio Lower Upper  
232 100  
131 44.3 33.8 50.6  
130 1.7 1.9 2.9  
166 29.4 22.3 33.5

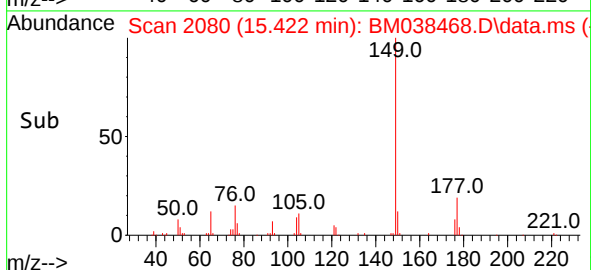
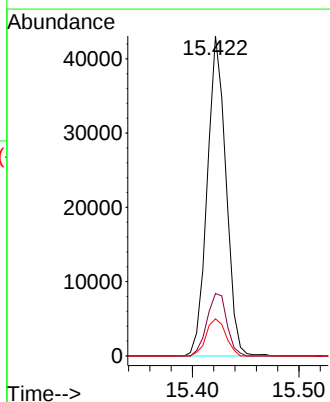
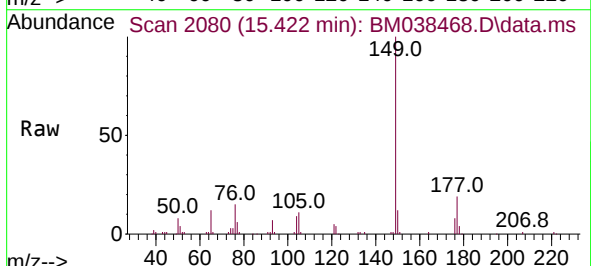
Manual Integrations  
APPROVED

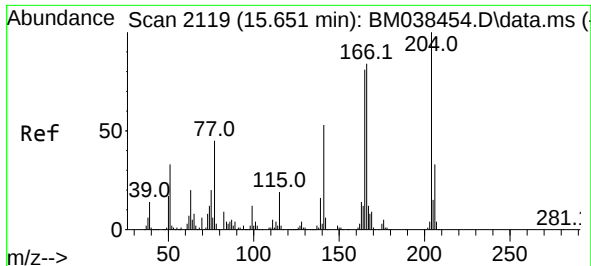
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#60  
Diethylphthalate  
Concen: 4.095 ng  
RT: 15.422 min Scan# 2080  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

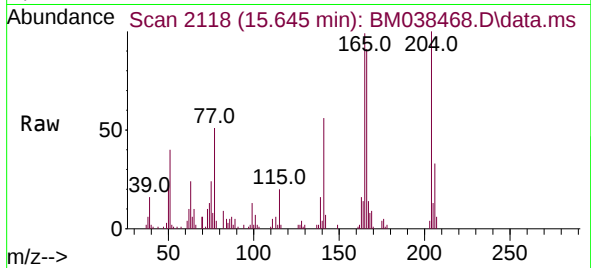
Tgt Ion:149 Resp: 52558  
Ion Ratio Lower Upper  
149 100  
177 19.5 17.8 26.6  
150 11.6 9.5 14.3





#61  
4-Chlorophenyl-phenylether  
Concen: 4.023 ng  
RT: 15.645 min Scan# 2118  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

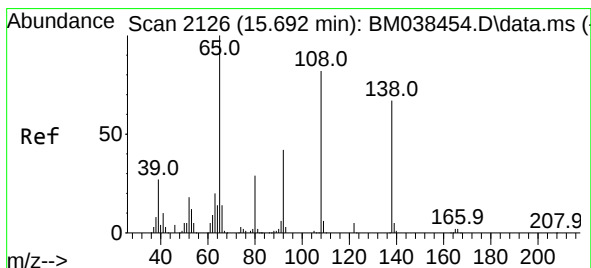
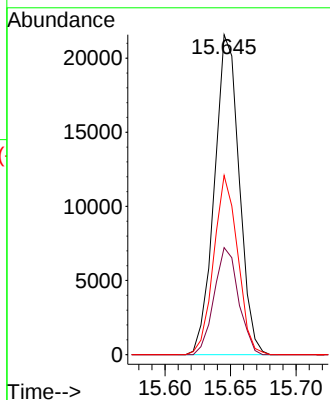
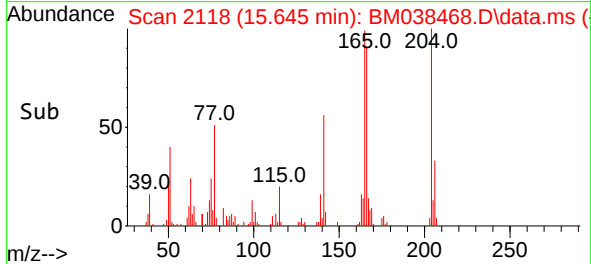
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:204 Resp: 28376  
Ion Ratio Lower Upper  
204 100  
206 33.4 26.2 39.4  
141 56.0 42.5 63.7

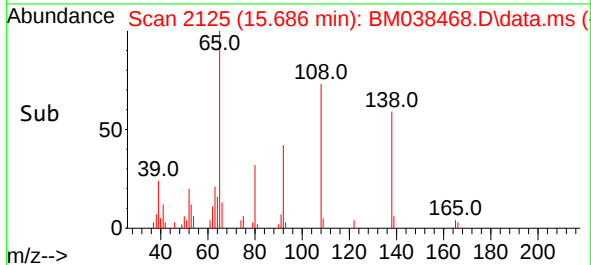
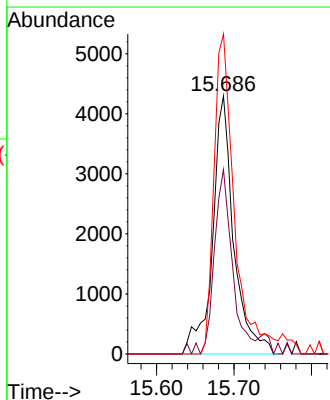
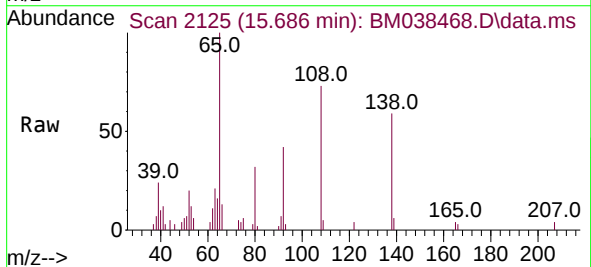
Manual Integrations  
APPROVED

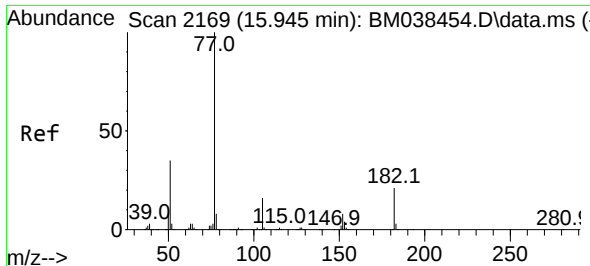
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#62  
4-Nitroaniline  
Concen: 5.497 ng  
RT: 15.686 min Scan# 2125  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

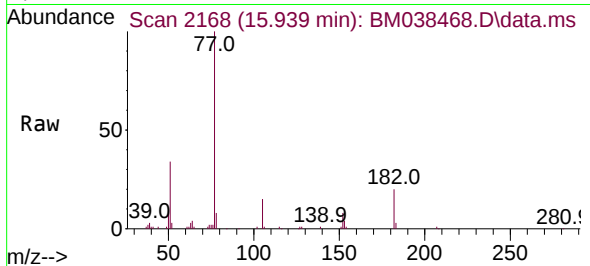
Tgt Ion:138 Resp: 8142  
Ion Ratio Lower Upper  
138 100  
92 71.5 42.1 82.1  
108 124.1 102.5 142.5





#63  
Azobenzene  
Concen: 4.241 ng  
RT: 15.939 min Scan# 2169  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

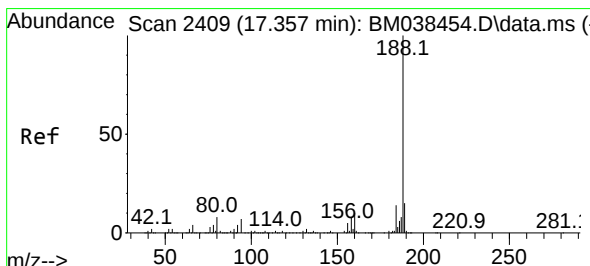
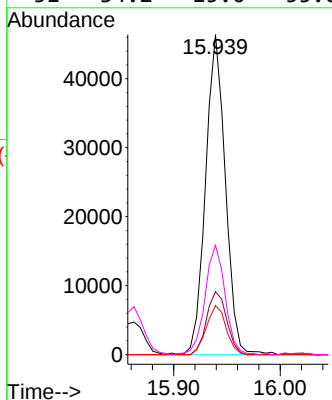
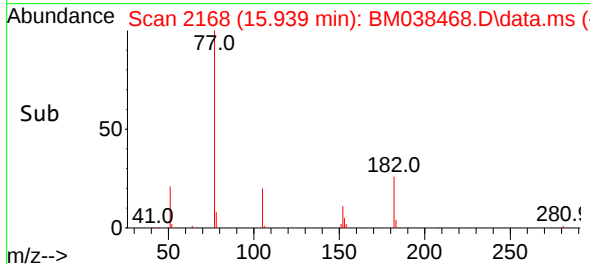
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion: 77 Resp: 59903  
Ion Ratio Lower Upper  
77 100  
182 19.7 1.1 41.1  
105 15.3 0.0 36.4  
51 34.2 15.0 55.0

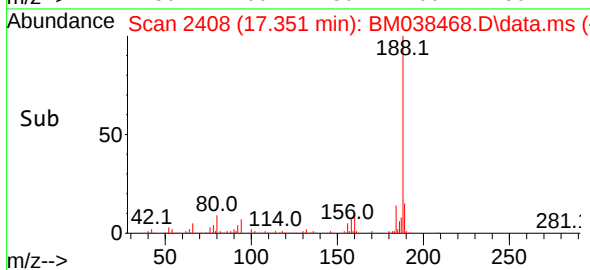
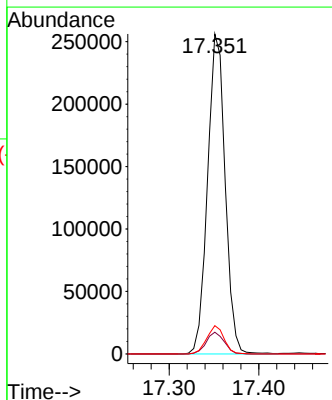
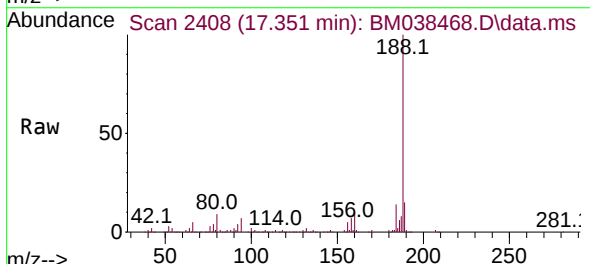
Manual Integrations  
APPROVED

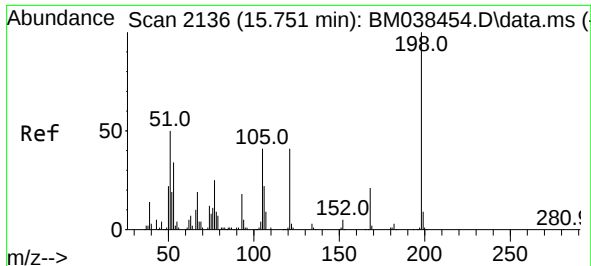
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.351 min Scan# 2408  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

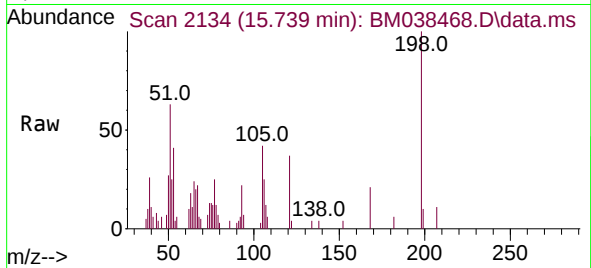
Tgt Ion:188 Resp: 348497  
Ion Ratio Lower Upper  
188 100  
94 6.8 5.4 8.0  
80 8.9 6.5 9.7





#65  
4,6-Dinitro-2-methylphenol  
Concen: 3.251 ng  
RT: 15.739 min Scan# 2136  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

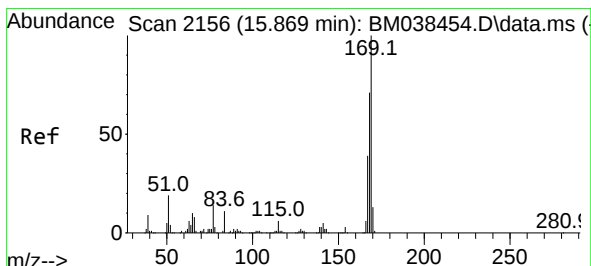
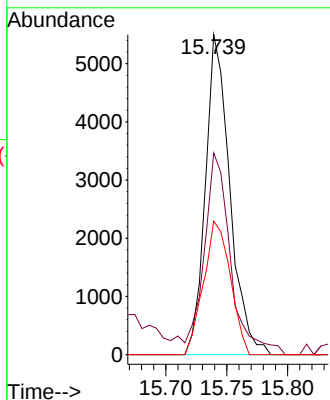
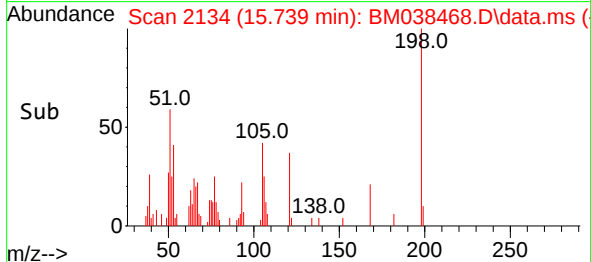
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:198 Resp: 768  
Ion Ratio Lower Upper  
198 100  
51 63.0 31.6 71.6  
105 41.7 21.5 61.5

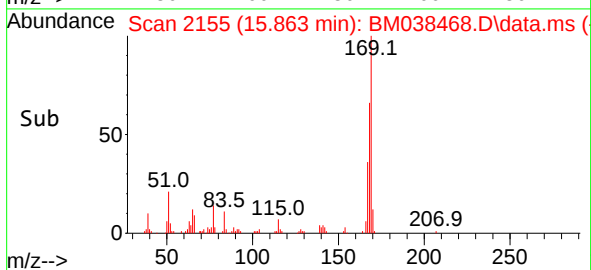
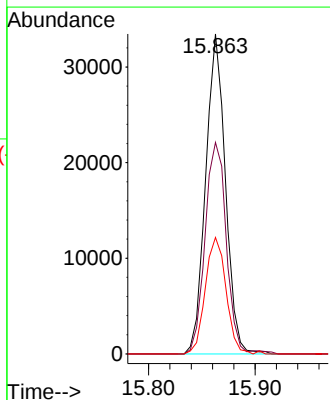
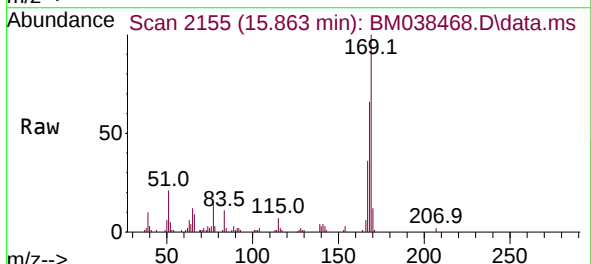
Manual Integrations  
APPROVED

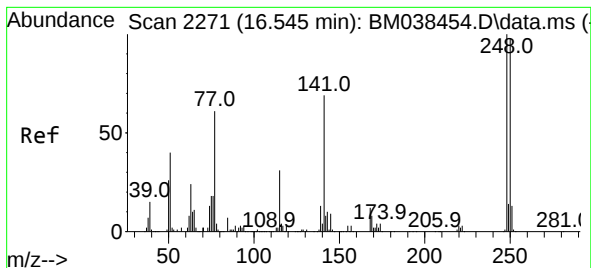
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#66  
n-Nitrosodiphenylamine  
Concen: 4.222 ng  
RT: 15.863 min Scan# 2155  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

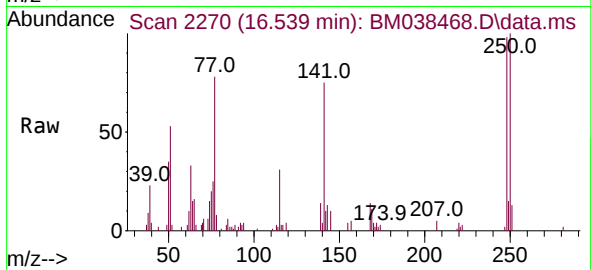
Tgt Ion:169 Resp: 43176  
Ion Ratio Lower Upper  
169 100  
168 66.1 56.6 85.0  
167 36.4 31.1 46.7





#67  
4-Bromophenyl-phenylether  
Concen: 4.066 ng  
RT: 16.539 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

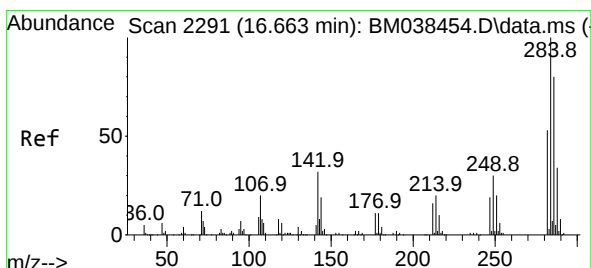
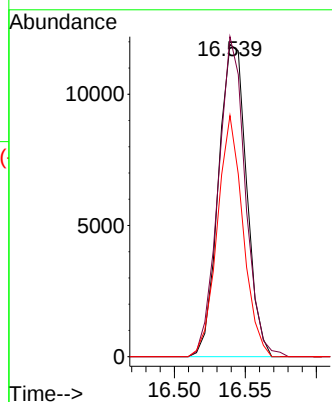
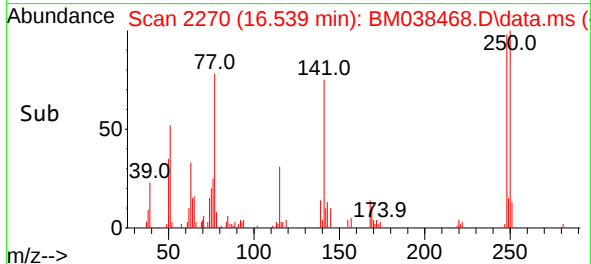
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



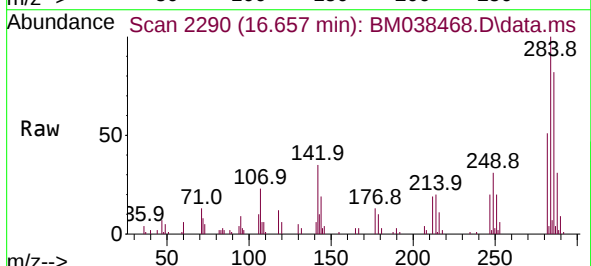
Tgt Ion:248 Resp: 16391  
Ion Ratio Lower Upper  
248 100  
250 102.5 78.3 117.5  
141 77.2 55.1 82.7

Manual Integrations  
APPROVED

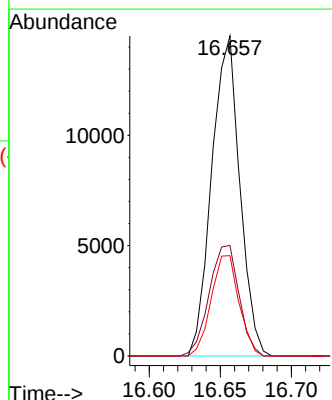
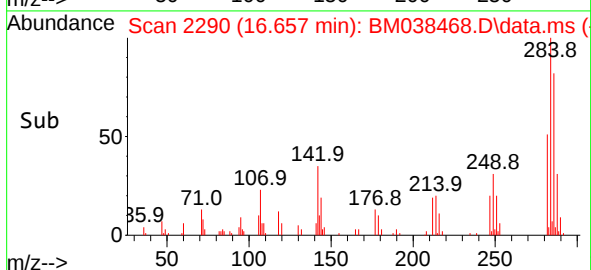
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023

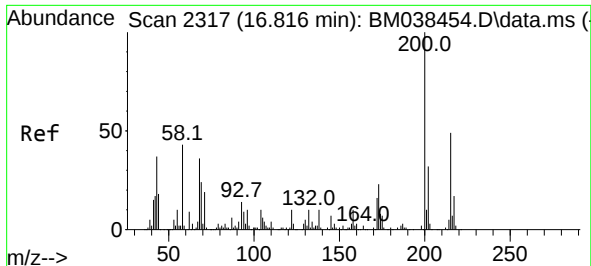


#68  
Hexachlorobenzene  
Concen: 4.412 ng  
RT: 16.657 min Scan# 2290  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29



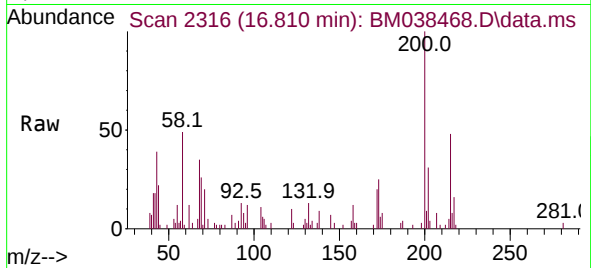
Tgt Ion:284 Resp: 19918  
Ion Ratio Lower Upper  
284 100  
142 34.6 26.0 39.0  
249 31.3 23.8 35.8





#69  
 Atrazine  
 Concen: 3.390 ng  
 RT: 16.810 min Scan# 2317  
 Delta R.T. -0.006 min  
 Lab File: BM038468.D  
 Acq: 17 Jan 2023 17:29

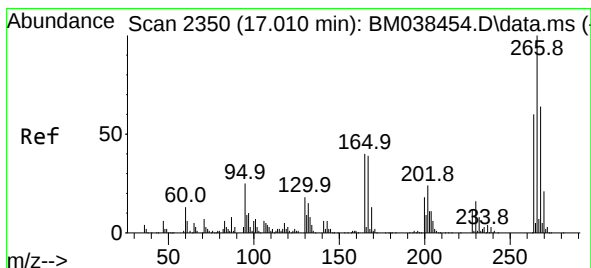
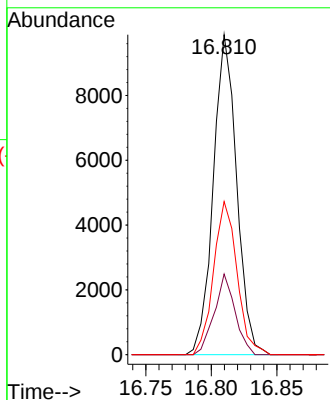
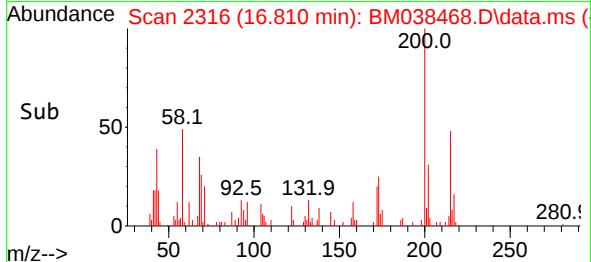
Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2022



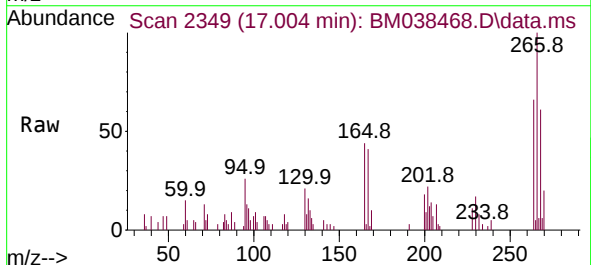
Tgt Ion:200 Resp: 1225  
 Ion Ratio Lower Upper  
 200 100  
 173 25.2 3.4 43.4  
 215 47.8 29.3 69.3

Manual Integrations  
 APPROVED

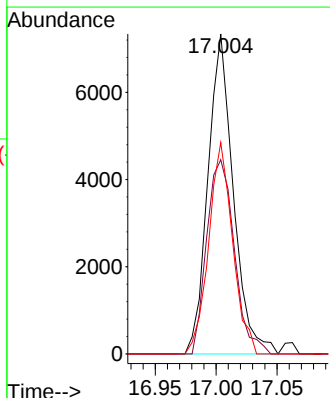
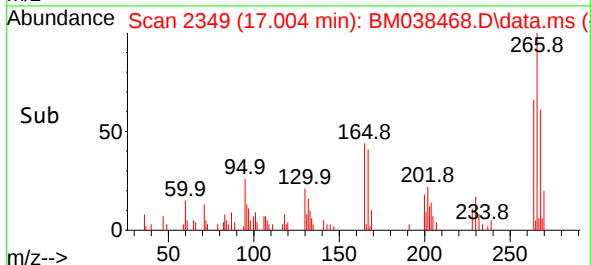
Reviewed By :Christian Giraldo 01/24/2023  
 Supervised By :Jagrut Upadhyay 01/27/2023

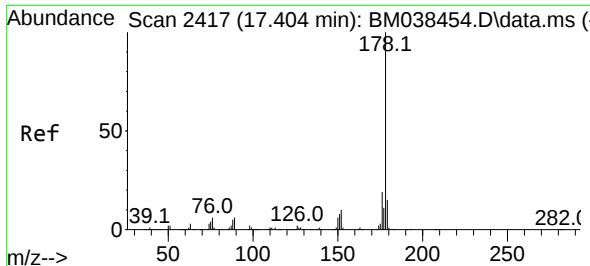


#70  
 Pentachlorophenol  
 Concen: 3.232 ng  
 RT: 17.004 min Scan# 2349  
 Delta R.T. -0.006 min  
 Lab File: BM038468.D  
 Acq: 17 Jan 2023 17:29



Tgt Ion:266 Resp: 10650  
 Ion Ratio Lower Upper  
 266 100  
 268 60.7 51.4 77.0  
 264 66.0 48.2 72.2





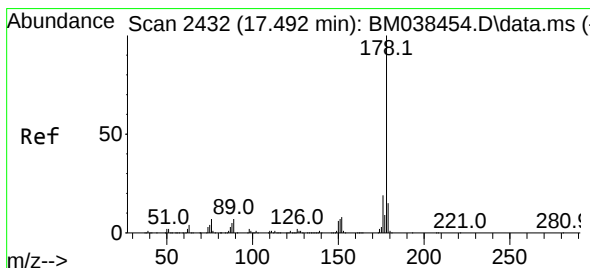
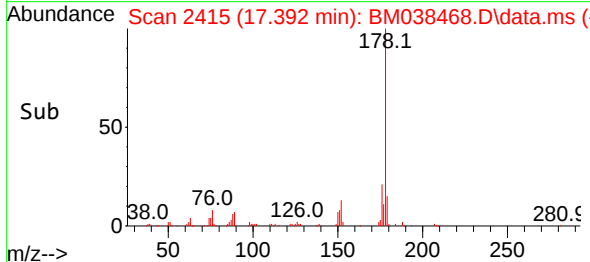
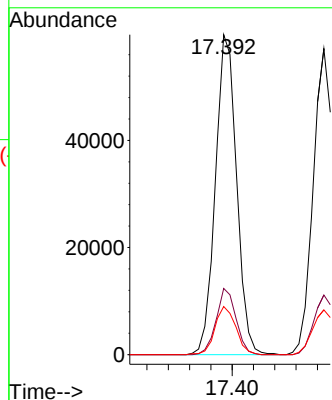
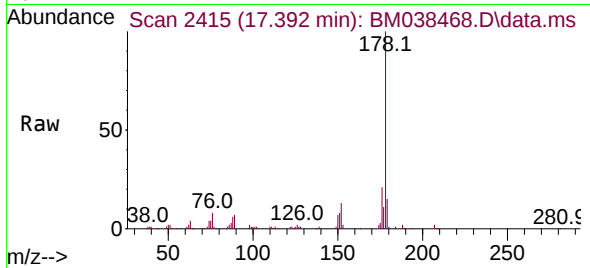
#71  
Phenanthrene  
Concen: 4.291 ng  
RT: 17.392 min Scan# 2415  
Delta R.T. -0.012 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022

Tgt Ion:178 Resp: 82725  
Ion Ratio Lower Upper  
178 100  
176 20.7 15.4 23.0  
179 15.0 12.1 18.1

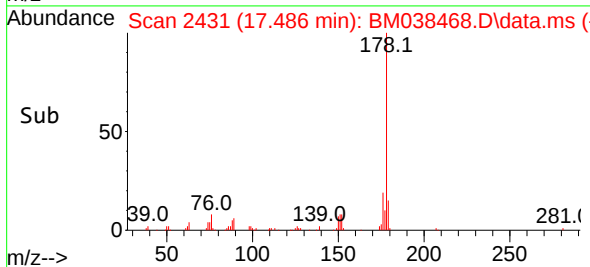
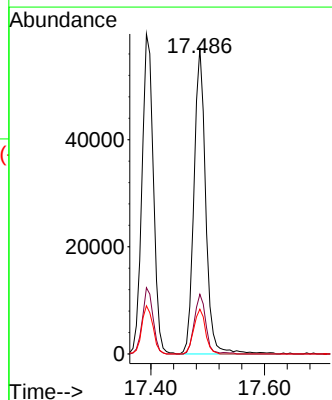
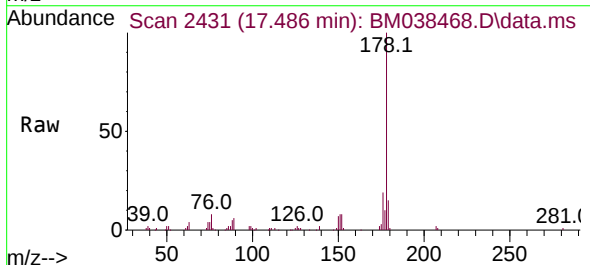
Manual Integrations  
APPROVED

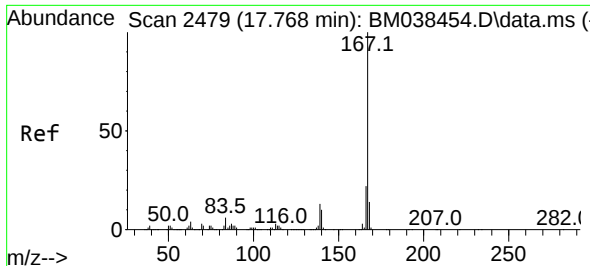
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#72  
Anthracene  
Concen: 4.103 ng  
RT: 17.486 min Scan# 2431  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

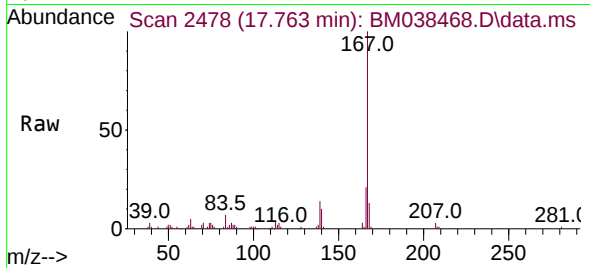
Tgt Ion:178 Resp: 81299  
Ion Ratio Lower Upper  
178 100  
176 19.5 15.0 22.6  
179 14.6 12.2 18.2





#73  
 Carbazole  
 Concen: 4.061 ng  
 RT: 17.763 min Scan# 2478  
 Delta R.T. -0.006 min  
 Lab File: BM038468.D  
 Acq: 17 Jan 2023 17:29

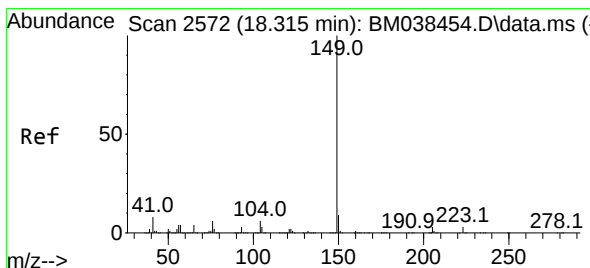
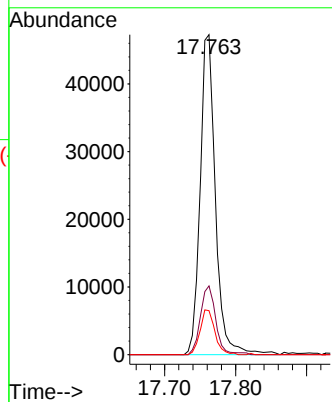
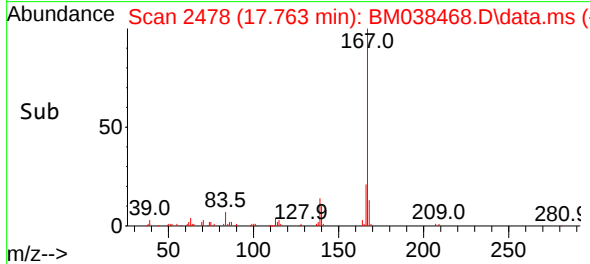
Instrument : BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT3-2022



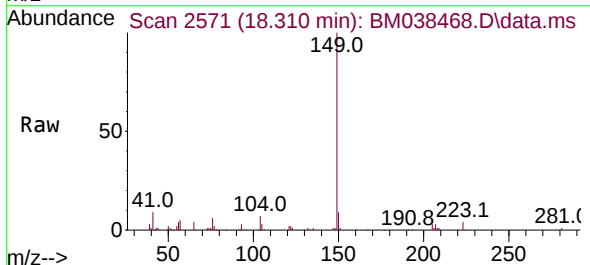
Tgt Ion:167 Resp: 70362  
 Ion Ratio Lower Upper  
 167 100  
 166 21.5 17.4 26.0  
 139 13.7 10.1 15.1

Manual Integrations  
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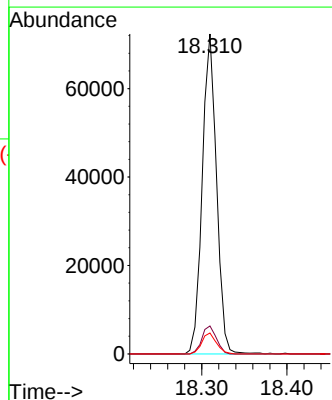
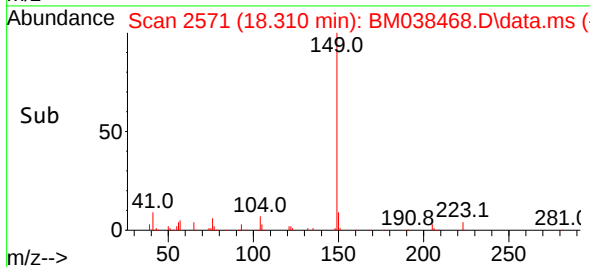
Reviewed By :Christian Giraldo 01/24/2023  
 Supervised By :Jagrut Upadhyay 01/27/2023

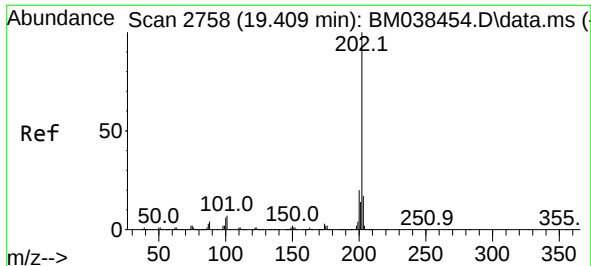


#74  
 Di-n-butylphthalate  
 Concen: 4.076 ng  
 RT: 18.310 min Scan# 2571  
 Delta R.T. -0.006 min  
 Lab File: BM038468.D  
 Acq: 17 Jan 2023 17:29



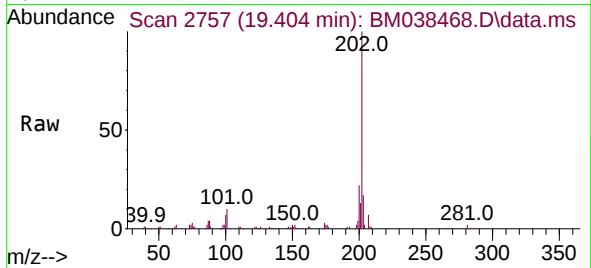
Tgt Ion:149 Resp: 83891  
 Ion Ratio Lower Upper  
 149 100  
 150 8.7 7.4 11.2  
 104 6.5 4.7 7.1





#75  
Fluoranthene  
Concen: 3.955 ng  
RT: 19.404 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

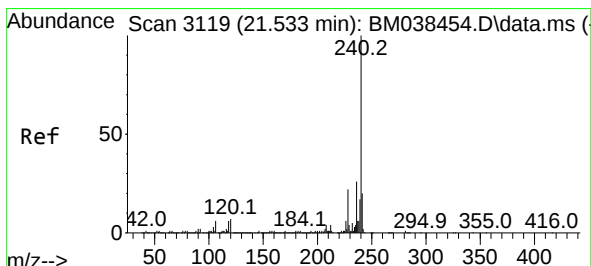
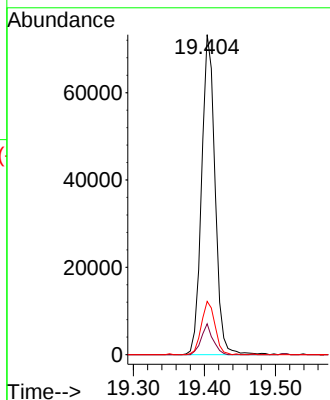
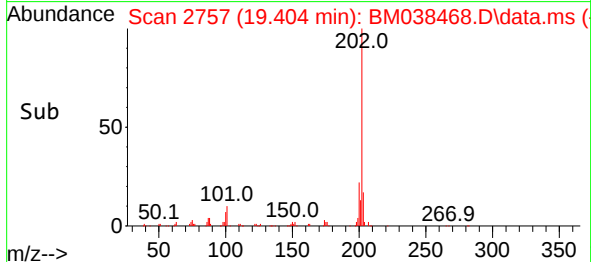
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:202 Resp: 95849  
Ion Ratio Lower Upper  
202 100  
101 9.6 0.0 27.4  
203 16.6 0.0 37.1

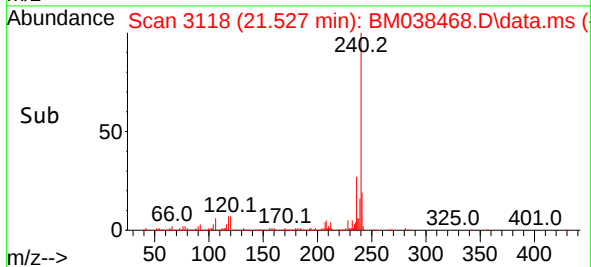
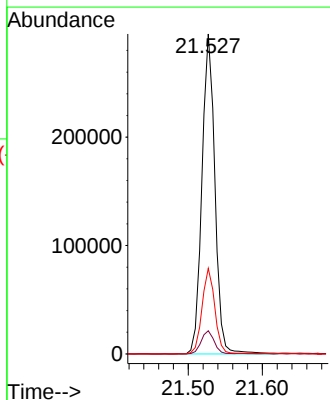
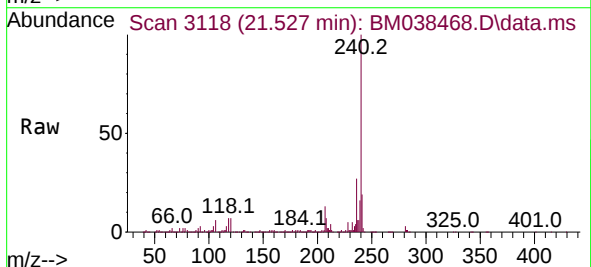
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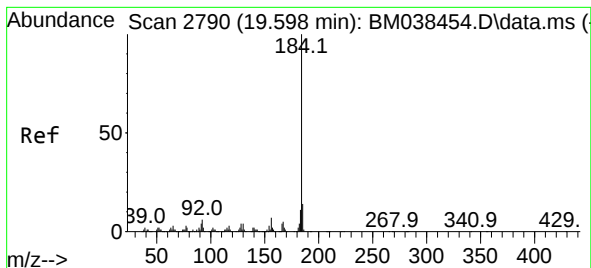
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.527 min Scan# 3118  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:240 Resp: 358011  
Ion Ratio Lower Upper  
240 100  
120 7.2 5.6 8.4  
236 26.7 21.0 31.4





#77

Benzidine

Concen: 3.739 ng

RT: 19.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

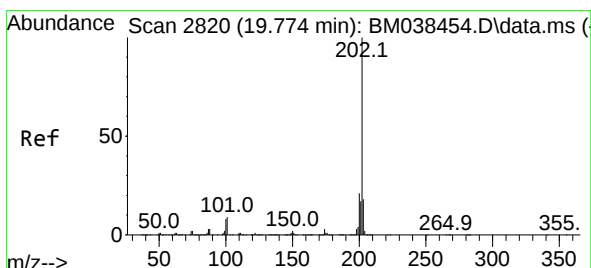
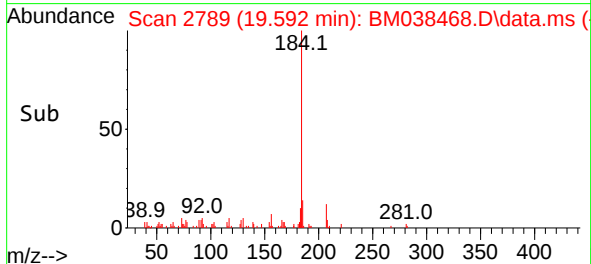
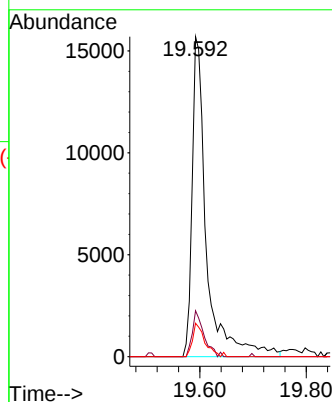
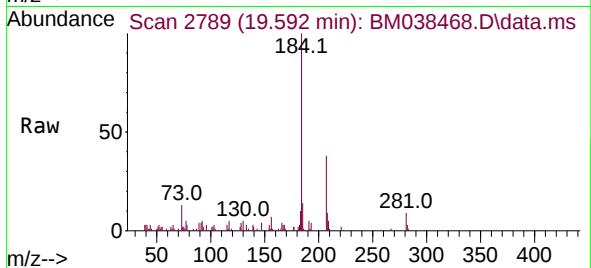
LOQ-SOIL-02-QT3-2022

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:184 | Resp: | 2932      |
| Ion Ratio   | Lower | Upper     |
| 184         | 100   |           |
| 185         | 14.4  | 11.1 16.7 |
| 183         | 10.4  | 8.6 13.0  |

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#78

Pyrene

Concen: 4.242 ng

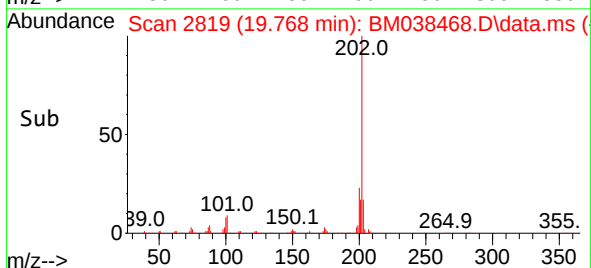
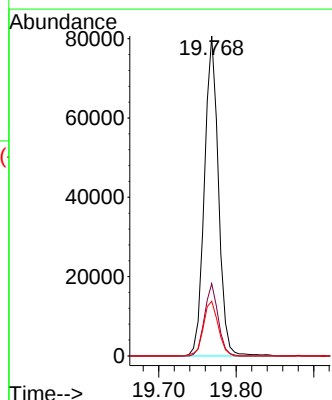
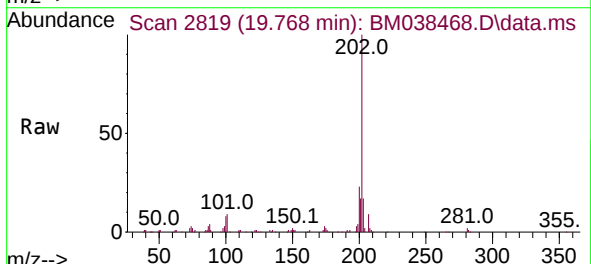
RT: 19.768 min Scan# 2819

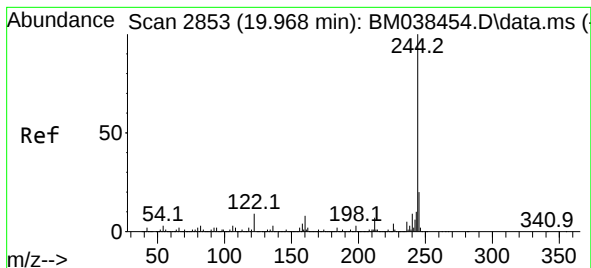
Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:202 | Resp: | 101073    |
| Ion Ratio   | Lower | Upper     |
| 202         | 100   |           |
| 200         | 22.6  | 16.9 25.3 |
| 203         | 17.1  | 14.2 21.2 |





#79

Terphenyl-d14

Concen: 66.601 ng

RT: 19.968 min Scan# 2853

Delta R.T. 0.000 min

Lab File: BM038468.D

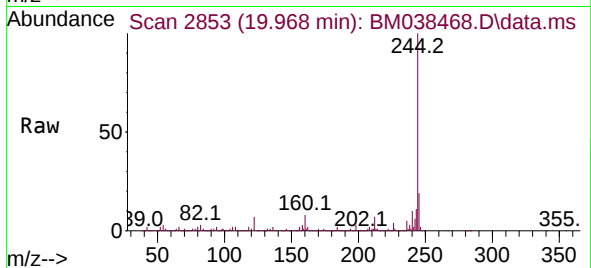
Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:244 Resp: 1273690

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

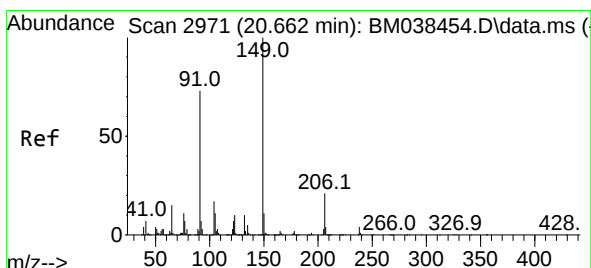
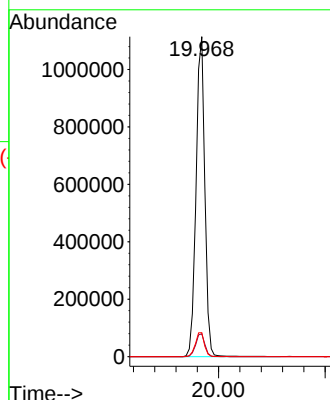
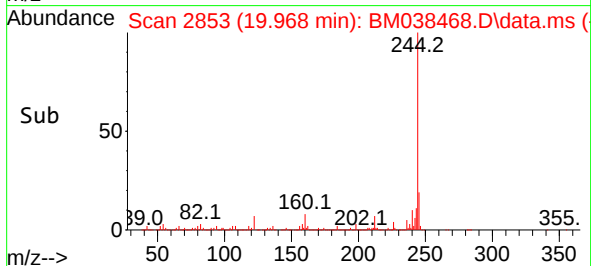
122 7.5 7.1 10.7

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#80

Butylbenzylphthalate

Concen: 4.120 ng

RT: 20.657 min Scan# 2970

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

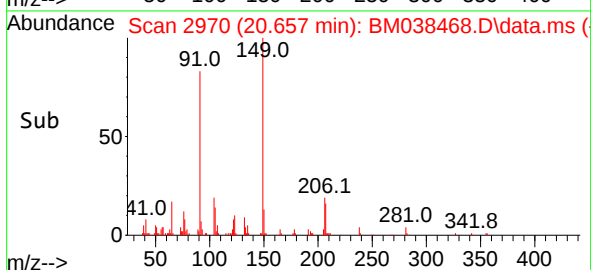
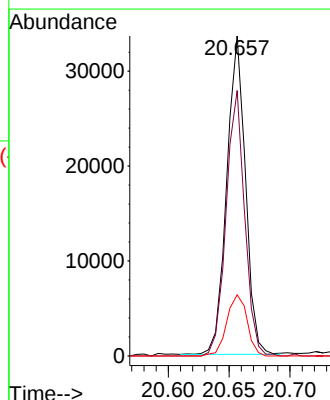
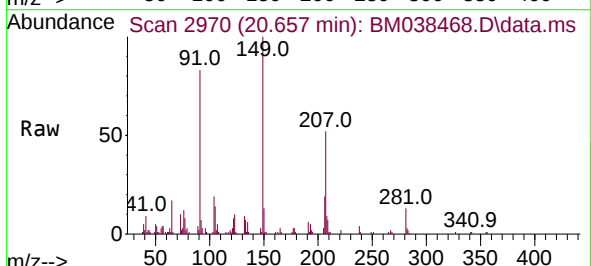
Tgt Ion:149 Resp: 35880

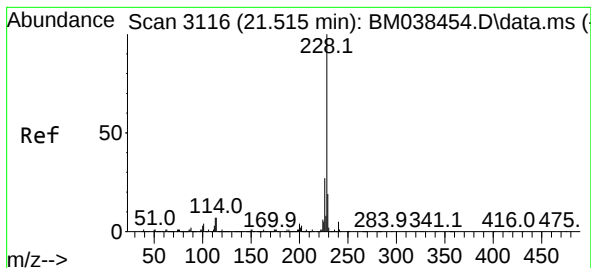
Ion Ratio Lower Upper

149 100

91 82.9 58.3 87.5

206 19.1 16.7 25.1





#81

Benzo(a)anthracene

Concen: 4.441 ng

RT: 21.509 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM038468.D

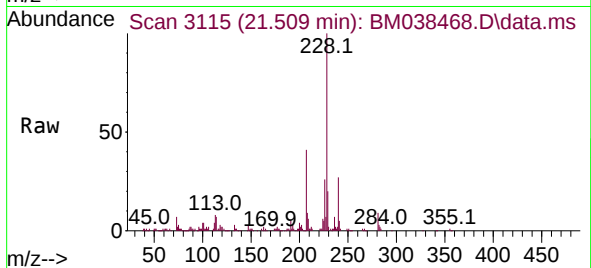
Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



Tgt Ion:228 Resp: 114340

Ion Ratio Lower Upper

228 100

226 25.9 22.0 33.0

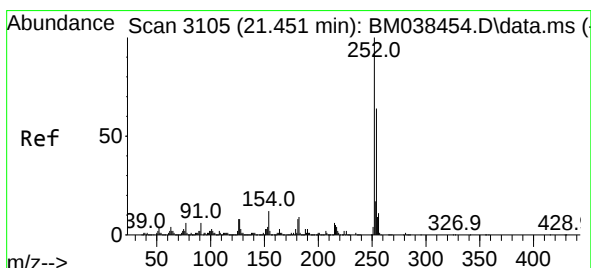
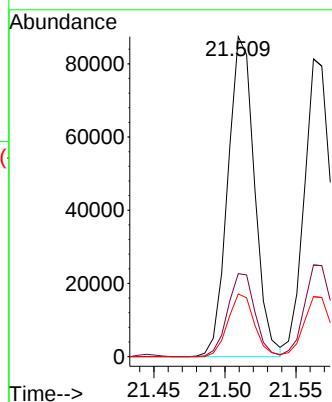
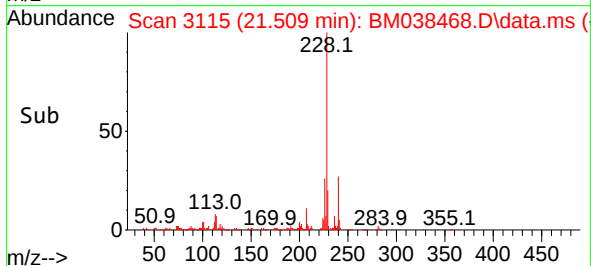
229 19.6 15.4 23.0

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#82

3,3'-Dichlorobenzidine

Concen: 3.697 ng

RT: 21.445 min Scan# 3104

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

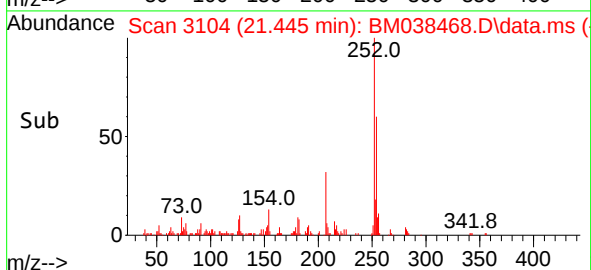
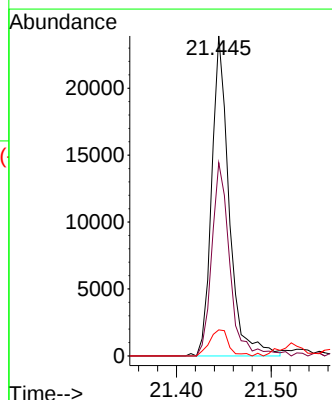
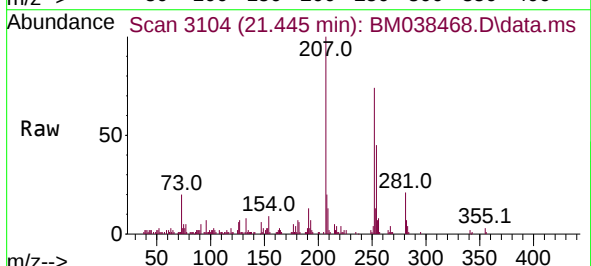
Tgt Ion:252 Resp: 30655

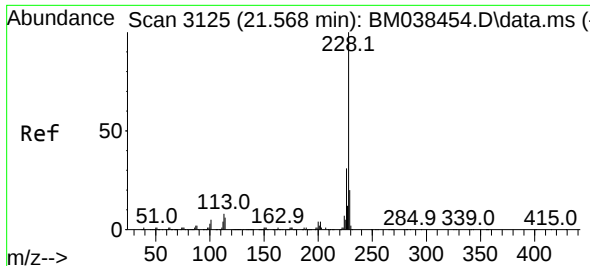
Ion Ratio Lower Upper

252 100

254 60.4 51.2 76.8

126 8.1 6.3 9.5





#83

Chrysene

Concen: 4.313 ng

RT: 21.562 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

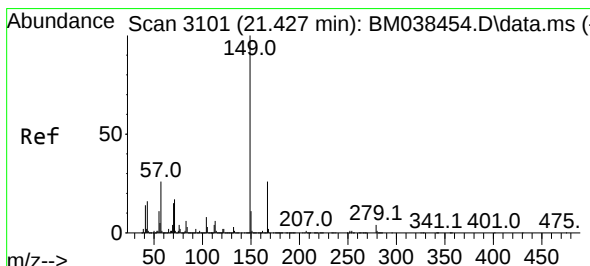
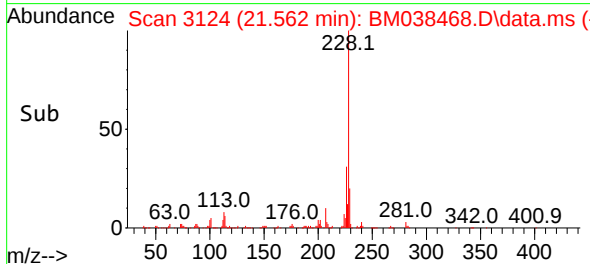
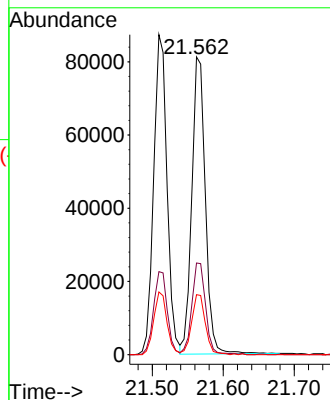
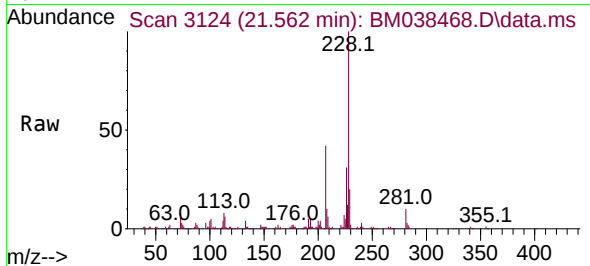
ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:228 Resp: 107916  
 Ion Ratio Lower Upper  
 228 100  
 226 30.8 24.6 36.8  
 229 20.1 16.1 24.1

Manual Integrations  
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Reviewed By :Christian Giraldo 01/24/2023  
 Supervised By :Jagrut Upadhyay 01/27/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.120 ng

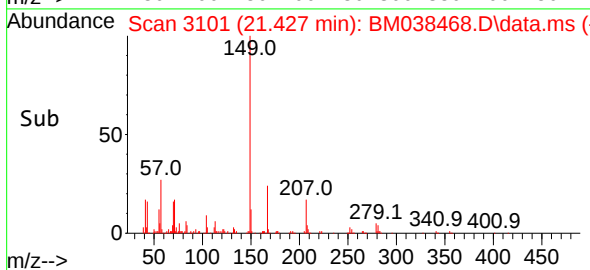
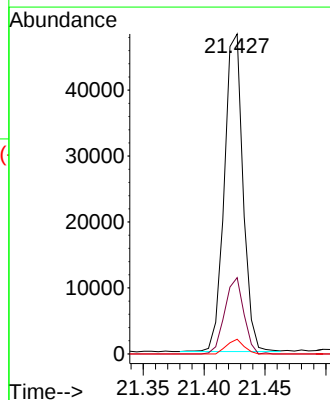
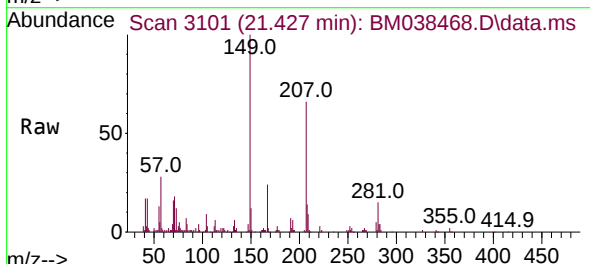
RT: 21.427 min Scan# 3101

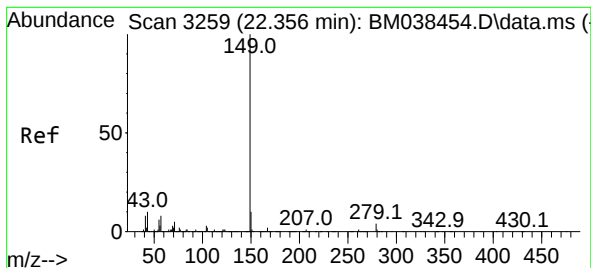
Delta R.T. 0.000 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Tgt Ion:149 Resp: 51574  
 Ion Ratio Lower Upper  
 149 100  
 167 23.8 21.0 31.4  
 279 4.6 3.4 5.0





#85

Di-n-octyl phthalate

Concen: 4.204 ng

RT: 22.351 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

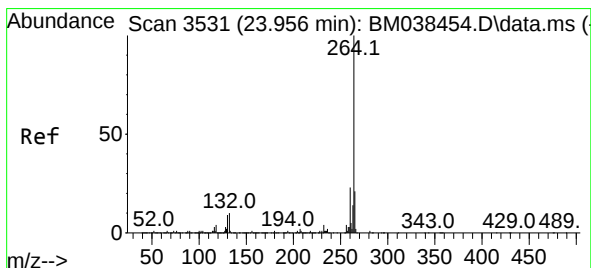
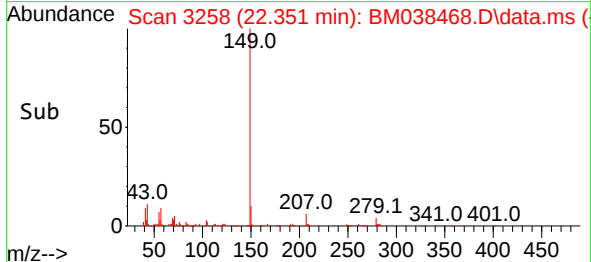
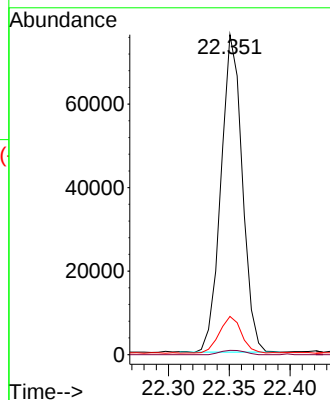
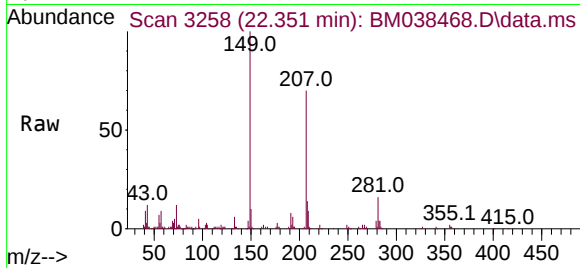
|             |       |          |
|-------------|-------|----------|
| Tgt Ion:149 | Resp: | 92610    |
| Ion Ratio   | Lower | Upper    |
| 149         | 100   |          |
| 167         | 1.5   | 1.3 1.9  |
| 43          | 12.0  | 8.4 12.6 |

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#86

Perylene-d12

Concen: 20.000 ng

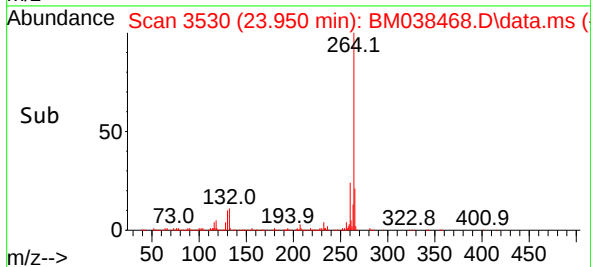
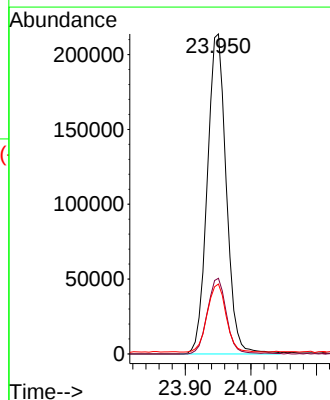
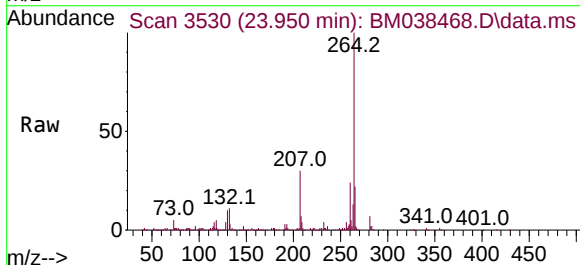
RT: 23.950 min Scan# 3530

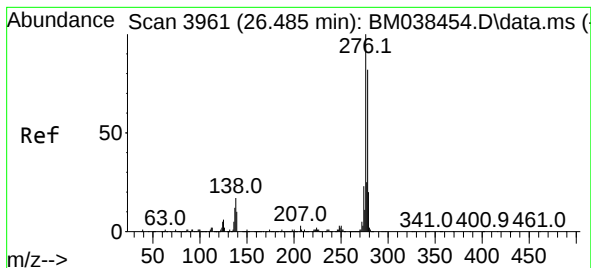
Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:264 | Resp: | 429290    |
| Ion Ratio   | Lower | Upper     |
| 264         | 100   |           |
| 260         | 23.6  | 18.2 27.4 |
| 265         | 21.8  | 17.2 25.8 |





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.116 ng

RT: 26.468 min Scan# 3958

Delta R.T. -0.018 min

Lab File: BM038468.D

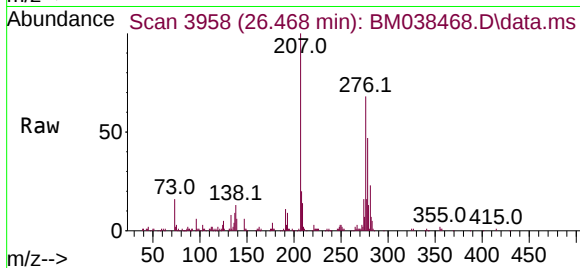
Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022



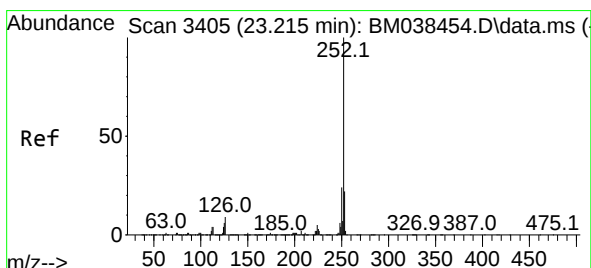
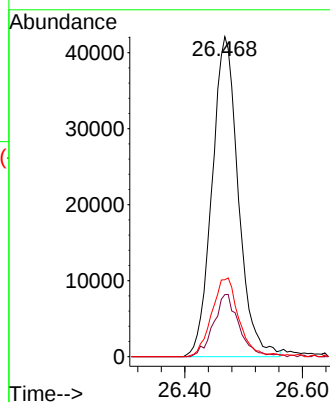
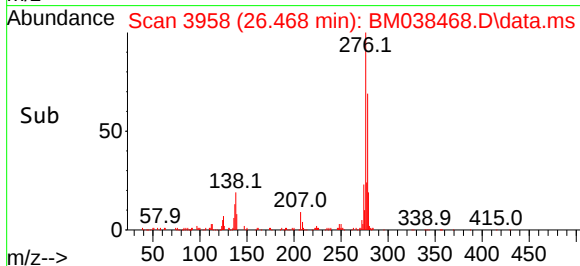
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 130773 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 18.9  | 13.4  | 20.2   |
| 277       | 25.0  | 19.8  | 29.8   |

Manual Integrations

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Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#88

Benzo(b)fluoranthene

Concen: 4.529 ng

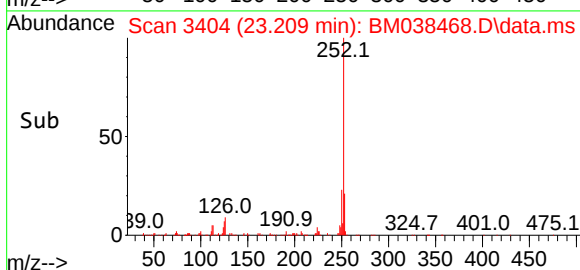
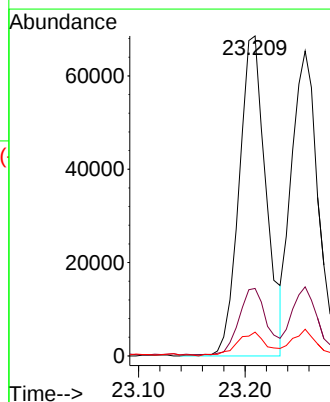
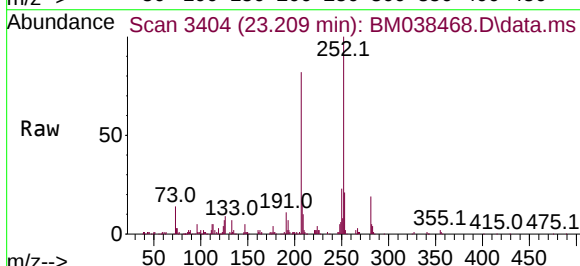
RT: 23.209 min Scan# 3404

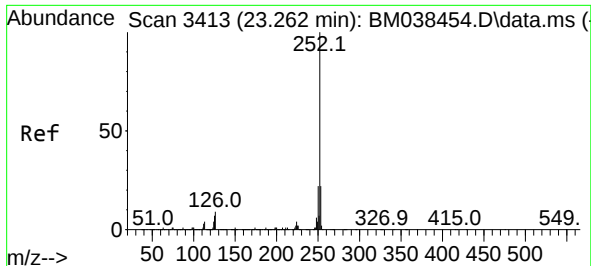
Delta R.T. -0.006 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

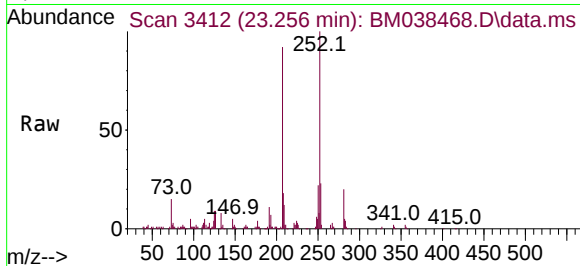
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 120548 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.1  | 17.8  | 26.6   |
| 125       | 7.5   | 5.1   | 7.7    |





#89  
Benzo(k)fluoranthene  
Concen: 4.185 ng m  
RT: 23.256 min Scan# 3413  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

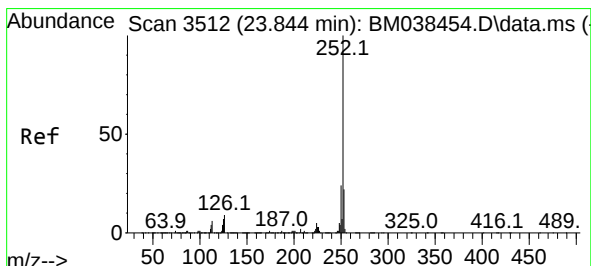
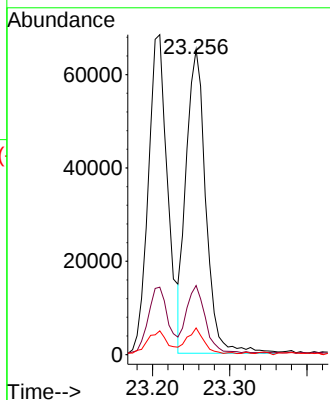
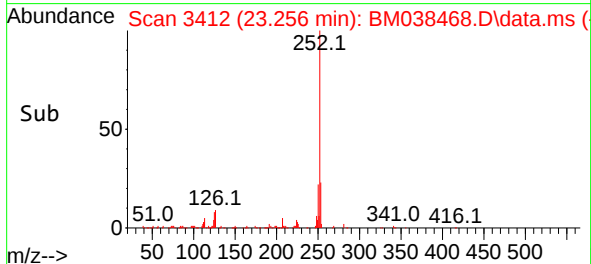
Instrument : BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT3-2022



Tgt Ion:252 Resp: 115212  
Ion Ratio Lower Upper  
252 100  
253 22.6 17.6 26.4  
125 8.8 5.5 8.3

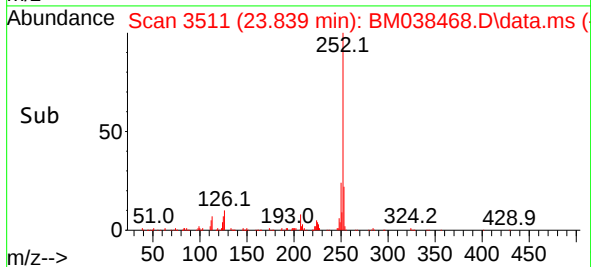
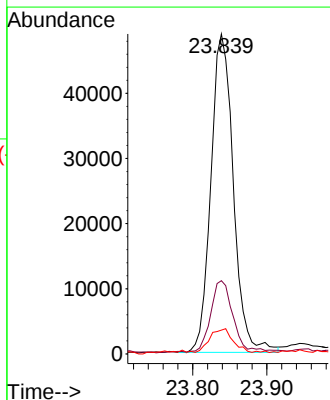
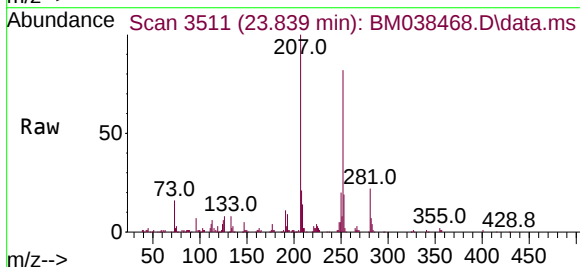
Manual Integrations  
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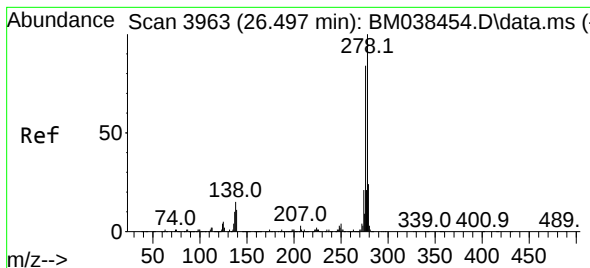
Reviewed By :Christian Giraldo 01/24/2023  
Supervised By :Jagrut Upadhyay 01/27/2023



#90  
Benzo(a)pyrene  
Concen: 3.938 ng  
RT: 23.839 min Scan# 3511  
Delta R.T. -0.006 min  
Lab File: BM038468.D  
Acq: 17 Jan 2023 17:29

Tgt Ion:252 Resp: 102857  
Ion Ratio Lower Upper  
252 100  
253 22.9 17.6 26.4  
125 7.4 5.8 8.8





#91

Dibenzo(a,h)anthracene

Concen: 4.222 ng

RT: 26.480 min Scan# 3963

Delta R.T. -0.018 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT3-2022

Tgt Ion:278 Resp: 112568

Ion Ratio Lower Upper

278 100

139 10.7 8.4 12.6

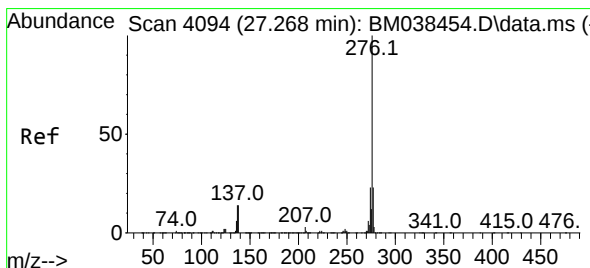
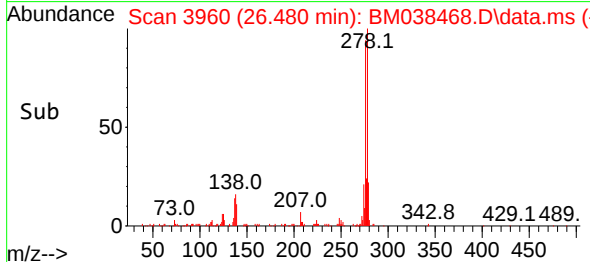
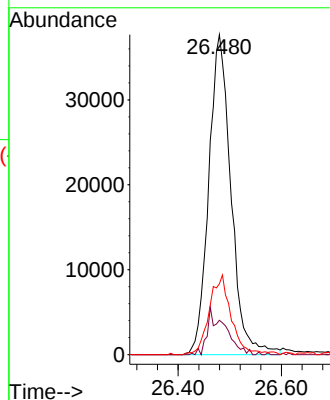
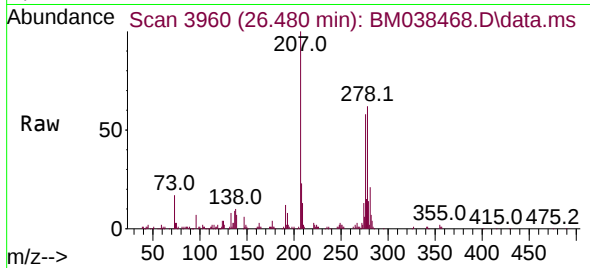
279 22.1 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 01/24/2023

Supervised By :Jagrut Upadhyay 01/27/2023



#92

Benzo(g,h,i)perylene

Concen: 4.298 ng

RT: 27.250 min Scan# 4091

Delta R.T. -0.018 min

Lab File: BM038468.D

Acq: 17 Jan 2023 17:29

Tgt Ion:276 Resp: 113694

Ion Ratio Lower Upper

276 100

277 22.9 18.6 27.8

138 17.2 11.3 16.9#

