

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM032924\  
 Data File : BM044812.D  
 Acq On : 29 Mar 2024 11:58  
 Operator : MA/JU  
 Sample : P1869-03MS  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SOIL-1MS

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 03/30/2024  
 Supervised By :mohammad ahmed 03/30/2024

Quant Time: Mar 29 12:51:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 29 01:24:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| -----                         |        |      |          |         |       |          |
| Internal Standards            |        |      |          |         |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.663  | 152  | 86878    | 20.000  | ng    | -0.01    |
| 21) Naphthalene-d8            | 10.445 | 136  | 328542   | 20.000  | ng    | -0.01    |
| 39) Acenaphthene-d10          | 14.316 | 164  | 182637   | 20.000  | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.068 | 188  | 373513   | 20.000  | ng    | -0.01    |
| 76) Chrysene-d12              | 21.268 | 240  | 386457   | 20.000  | ng    | -0.01    |
| 86) Perylene-d12              | 23.503 | 264  | 461935   | 20.000  | ng    | -0.01    |
|                               |        |      |          |         |       |          |
| System Monitoring Compounds   |        |      |          |         |       |          |
| 5) 2-Fluorophenol             | 5.281  | 112  | 862093   | 142.117 | ng    | 0.00     |
| 7) Phenol-d6                  | 6.851  | 99   | 988662   | 125.649 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.828  | 82   | 709966   | 97.416  | ng    | -0.01    |
| 42) 2,4,6-Tribromophenol      | 15.816 | 330  | 353709   | 177.229 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 12.928 | 172  | 1293510  | 90.710  | ng    | -0.01    |
| 79) Terphenyl-d14             | 19.715 | 244  | 2013388  | 88.292  | ng    | 0.00     |
|                               |        |      |          |         |       |          |
| Target Compounds              |        |      |          |         |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.269  | 88   | 102517   | 42.764  | ng    | # 49     |
| 3) Pyridine                   | 3.663  | 79   | 214581   | 31.853  | ng    | 100      |
| 4) n-Nitrosodimethylamine     | 3.575  | 42   | 171090   | 48.405  | ng    | # 97     |
| 6) Aniline                    | 7.010  | 93   | 117444   | 12.816  | ng    | 95       |
| 8) 2-Chlorophenol             | 7.234  | 128  | 294729   | 47.968  | ng    | 97       |
| 9) Benzaldehyde               | 6.828  | 77   | 41402m   | 10.119  | ng    |          |
| 10) Phenol                    | 6.875  | 94   | 341303   | 43.933  | ng    | 99       |
| 11) bis(2-Chloroethyl)ether   | 7.110  | 93   | 294347   | 48.131  | ng    | 97       |
| 12) 1,3-Dichlorobenzene       | 7.551  | 146  | 311778   | 48.570  | ng    | 99       |
| 13) 1,4-Dichlorobenzene       | 7.698  | 146  | 316020   | 48.450  | ng    | 99       |
| 14) 1,2-Dichlorobenzene       | 8.010  | 146  | 307755   | 48.943  | ng    | 98       |
| 15) Benzyl Alcohol            | 7.916  | 79   | 268420   | 49.815  | ng    | 99       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.187  | 45   | 450681m  | 48.795  | ng    |          |
| 17) 2-Methylphenol            | 8.110  | 107  | 237248   | 43.260  | ng    | 99       |
| 18) Hexachloroethane          | 8.722  | 117  | 123014   | 48.374  | ng    | 98       |
| 19) n-Nitroso-di-n-propyla... | 8.475  | 70   | 221683   | 46.559  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.440  | 107  | 317295   | 42.814  | ng    | 99       |
| 22) Acetophenone              | 8.493  | 105  | 435600   | 48.886  | ng    | # 98     |
| 24) Nitrobenzene              | 8.869  | 77   | 340652   | 47.848  | ng    | 98       |
| 25) Isophorone                | 9.392  | 82   | 593229   | 50.479  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.569  | 139  | 154790   | 49.326  | ng    | 98       |
| 27) 2,4-Dimethylphenol        | 9.634  | 122  | 198366   | 38.501  | ng    | 99       |
| 28) bis(2-Chloroethoxy)met... | 9.875  | 93   | 360227   | 48.759  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.098 | 162  | 254461   | 50.889  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.304 | 180  | 261919   | 49.776  | ng    | 98       |
| 31) Naphthalene               | 10.492 | 128  | 862646   | 47.800  | ng    | 100      |
| 32) Benzoic acid              | 9.781  | 122  | 192095   | 49.668  | ng    | 97       |
| 33) 4-Chloroaniline           | 10.622 | 127  | 57041    | 7.669   | ng    | 98       |
| 34) Hexachlorobutadiene       | 10.763 | 225  | 147928   | 47.349  | ng    | 99       |
| 35) Caprolactam               | 11.434 | 113  | 75129    | 51.571  | ng    | 97       |
| 36) 4-Chloro-3-methylphenol   | 11.751 | 107  | 262802   | 50.543  | ng    | 99       |
| 37) 2-Methylnaphthalene       | 12.116 | 142  | 553715   | 46.757  | ng    | 100      |
| 38) 1-Methylnaphthalene       | 12.333 | 142  | 511703   | 46.359  | ng    | 98       |
| 40) 1,2,4,5-Tetrachloroben... | 12.481 | 216  | 264355   | 46.280  | ng    | 99       |
| 41) Hexachlorocyclopentadiene | 12.451 | 237  | 292021   | 95.257  | ng    | 100      |
| 43) 2,4,6-Trichlorophenol     | 12.733 | 196  | 181248   | 47.411  | ng    | 97       |

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Manual Integrations  
 APPROVED

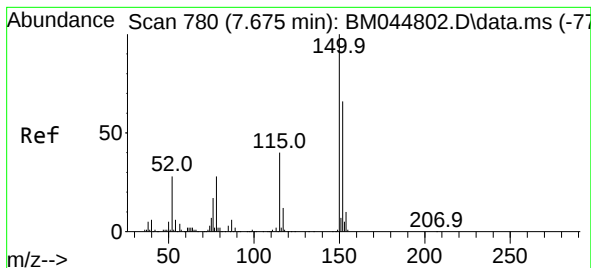
Reviewed By :Yogesh Patel 03/30/2024  
 Supervised By :mohammad ahmed 03/30/2024

Quant Time: Mar 29 12:51:15 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM032824.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 29 01:24:21 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.810 | 196  | 199210   | 45.248  | ng    | 98       |
| 46) 1,1'-Biphenyl             | 13.139 | 154  | 694586   | 46.994  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.180 | 162  | 533764   | 48.010  | ng    | 99       |
| 48) 2-Nitroaniline            | 13.404 | 65   | 198671   | 51.591  | ng    | 97       |
| 49) Acenaphthylene            | 14.033 | 152  | 899803   | 51.064  | ng    | 99       |
| 50) Dimethylphthalate         | 13.786 | 163  | 654262   | 50.946  | ng    | 99       |
| 51) 2,6-Dinitrotoluene        | 13.910 | 165  | 142812   | 51.313  | ng    | 98       |
| 52) Acenaphthene              | 14.380 | 154  | 498903   | 47.859  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.239 | 138  | 101694   | 32.077  | ng    | 100      |
| 54) 2,4-Dinitrophenol         | 14.451 | 184  | 189315   | 108.222 | ng    | 92       |
| 55) Dibenzofuran              | 14.716 | 168  | 815867   | 49.883  | ng    | 98       |
| 56) 4-Nitrophenol             | 14.557 | 139  | 283672   | 116.264 | ng    | 93       |
| 57) 2,4-Dinitrotoluene        | 14.704 | 165  | 206240   | 59.062  | ng    | 99       |
| 58) Fluorene                  | 15.369 | 166  | 672684   | 53.521  | ng    | 100      |
| 59) 2,3,4,6-Tetrachlorophenol | 14.945 | 232  | 173011m  | 55.073  | ng    |          |
| 60) Diethylphthalate          | 15.157 | 149  | 696861   | 57.796  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.369 | 204  | 308250   | 51.686  | ng    | 98       |
| 62) 4-Nitroaniline            | 15.410 | 138  | 171231m  | 56.240  | ng    |          |
| 63) Azobenzene                | 15.663 | 77   | 760744   | 56.619  | ng    | 99       |
| 65) 4,6-Dinitro-2-methylph... | 15.463 | 198  | 118774   | 51.097  | ng    | 99       |
| 66) n-Nitrosodiphenylamine    | 15.592 | 169  | 559350   | 45.175  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.269 | 248  | 190646   | 46.625  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.369 | 284  | 219395   | 49.571  | ng    | 98       |
| 69) Atrazine                  | 16.557 | 200  | 190356   | 56.250  | ng    | 97       |
| 70) Pentachlorophenol         | 16.721 | 266  | 326064   | 111.308 | ng    | 98       |
| 71) Phenanthrene              | 17.116 | 178  | 1020738  | 48.984  | ng    | 99       |
| 72) Anthracene                | 17.204 | 178  | 1038577  | 49.344  | ng    | 99       |
| 73) Carbazole                 | 17.480 | 167  | 1015126  | 54.012  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.051 | 149  | 1232407  | 59.708  | ng    | 99       |
| 75) Fluoranthene              | 19.139 | 202  | 1212794  | 58.306  | ng    | 98       |
| 77) Benzidine                 | 19.345 | 184  | 34876m   | 4.186   | ng    |          |
| 78) Pyrene                    | 19.504 | 202  | 1302508  | 42.296  | ng    | 100      |
| 80) Butylbenzylphthalate      | 20.421 | 149  | 600698   | 53.634  | ng    | 99       |
| 81) Benzo(a)anthracene        | 21.256 | 228  | 1340685  | 49.769  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.198 | 252  | 374788   | 40.122  | ng    | 98       |
| 83) Chrysene                  | 21.309 | 228  | 1276605  | 49.445  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.198 | 149  | 874105   | 57.258  | ng    | 99       |
| 85) Di-n-octyl phthalate      | 22.086 | 149  | 1582209  | 61.247  | ng    | 95       |
| 87) Indeno(1,2,3-cd)pyrene    | 25.768 | 276  | 1787818  | 50.950  | ng    | 99       |
| 88) Benzo(b)fluoranthene      | 22.839 | 252  | 1433313  | 54.756  | ng    | 100      |
| 89) Benzo(k)fluoranthene      | 22.880 | 252  | 1430866  | 54.436  | ng    | 99       |
| 90) Benzo(a)pyrene            | 23.409 | 252  | 1346491  | 50.687  | ng    | 100      |
| 91) Dibenzo(a,h)anthracene    | 25.780 | 278  | 1473847  | 50.715  | ng    | 99       |
| 92) Benzo(g,h,i)perylene      | 26.450 | 276  | 1410883  | 46.662  | ng    | 99       |

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





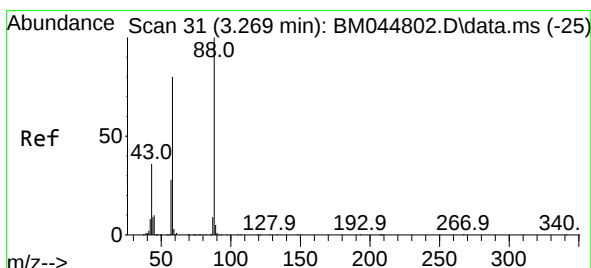
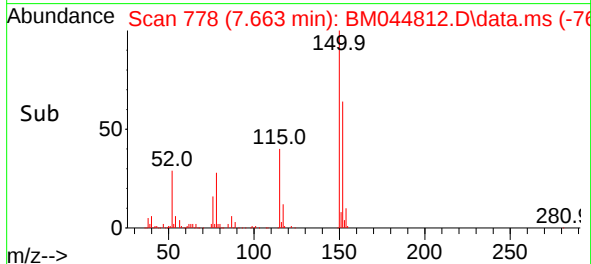
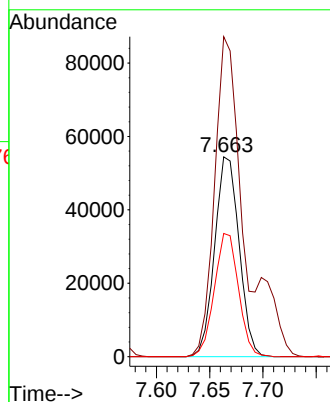
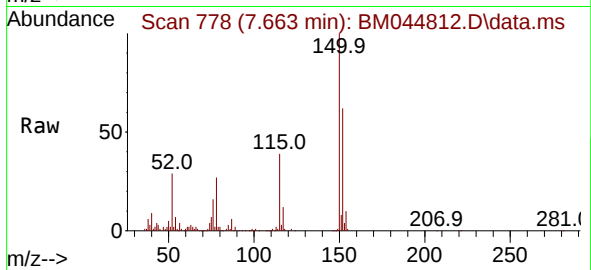
#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.663 min Scan# 71  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS

Tgt Ion:152 Resp: 86878  
Ion Ratio Lower Upper  
152 100  
150 160.1 121.0 181.6  
115 61.6 48.3 72.5

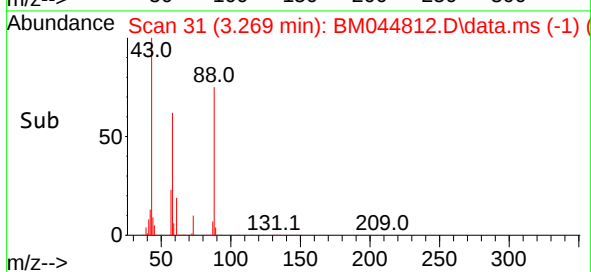
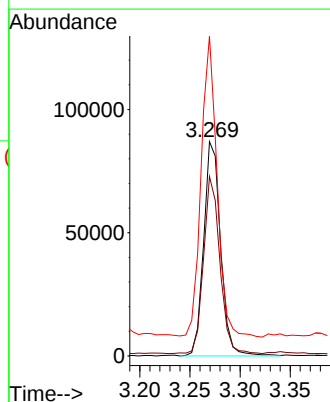
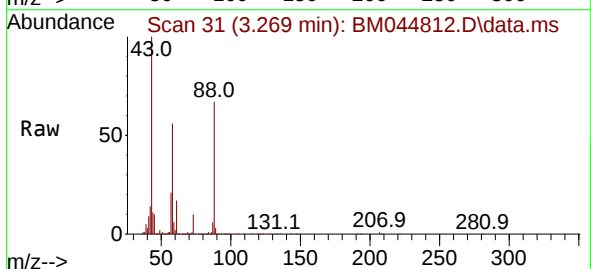
Manual Integrations  
APPROVED

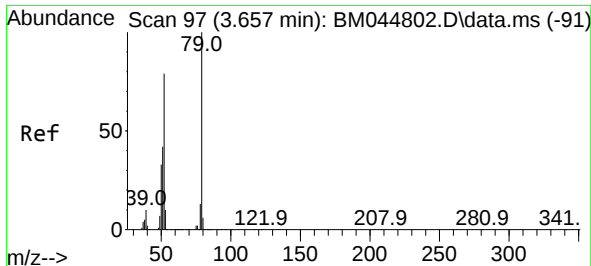
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#2  
1,4-Dioxane  
Concen: 42.764 ng  
RT: 3.269 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

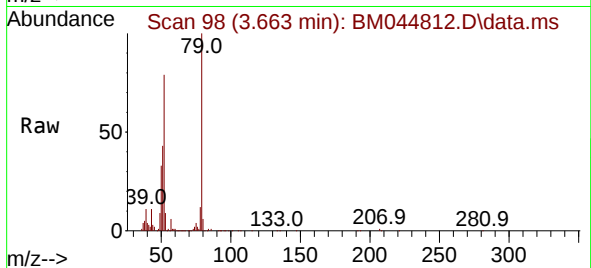
Tgt Ion: 88 Resp: 102517  
Ion Ratio Lower Upper  
88 100  
58 79.1 63.4 95.0  
43 132.0 28.6 43.0#





#3  
Pyridine  
Concen: 31.853 ng  
RT: 3.663 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

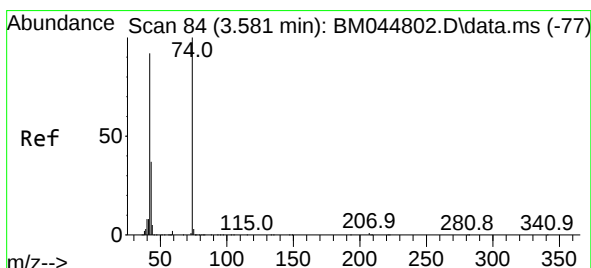
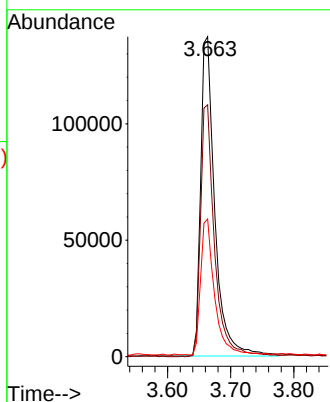
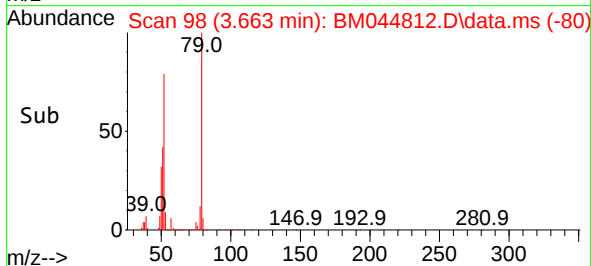
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion: 79 Resp: 21458  
Ion Ratio Lower Upper  
79 100  
52 78.7 62.9 94.3  
51 43.0 34.2 51.2

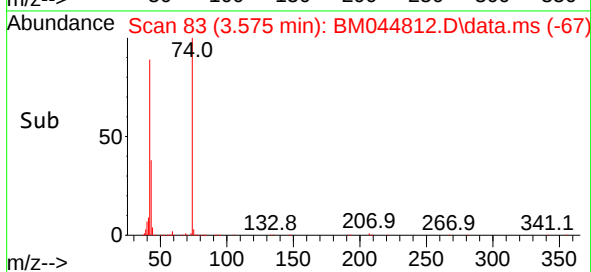
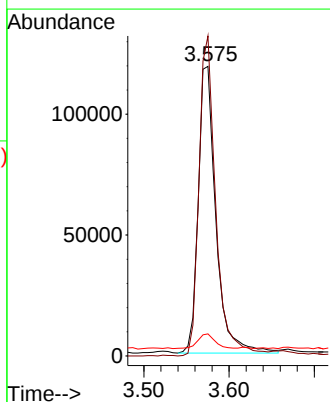
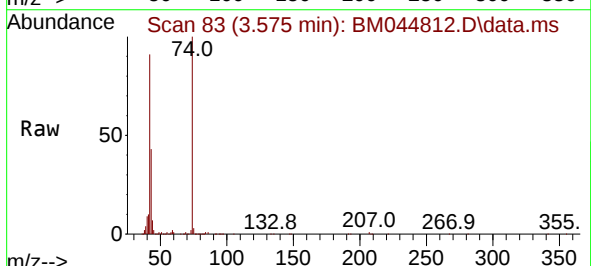
Manual Integrations  
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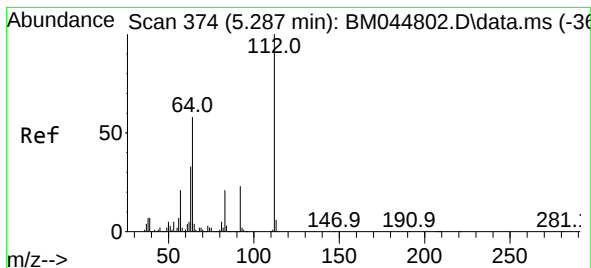
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#4  
n-Nitrosodimethylamine  
Concen: 48.405 ng  
RT: 3.575 min Scan# 83  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion: 42 Resp: 171090  
Ion Ratio Lower Upper  
42 100  
74 110.5 86.2 129.2  
44 7.6 5.0 7.4





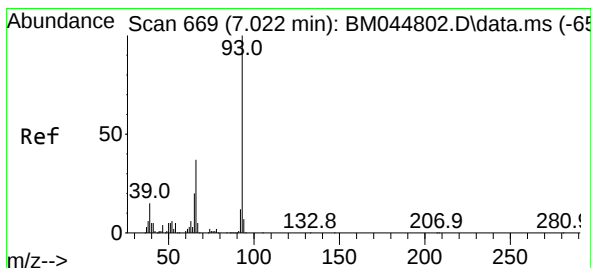
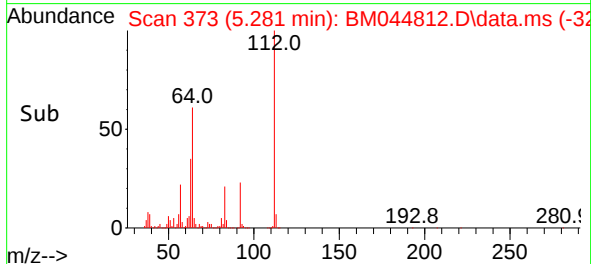
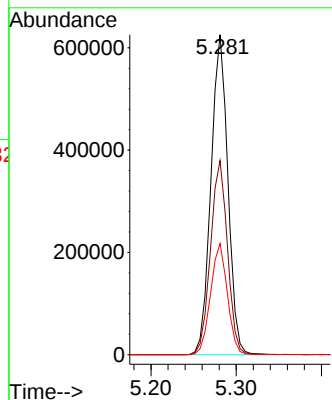
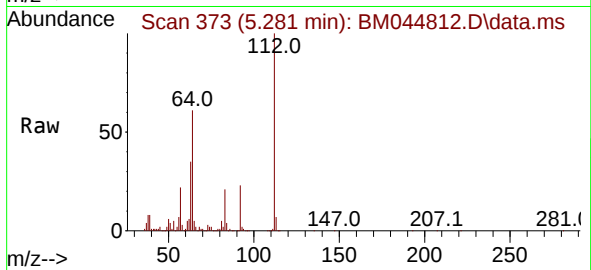
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2-Fluorophenol  
Concen: 142.117 ng  
RT: 5.281 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :  
BNA\_M  
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SOIL-1MS

Tgt Ion:112 Resp: 86209  
Ion Ratio Lower Upper  
112 100  
64 60.7 46.4 69.6  
63 34.8 26.2 39.4

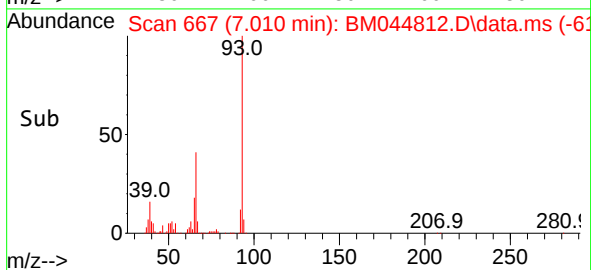
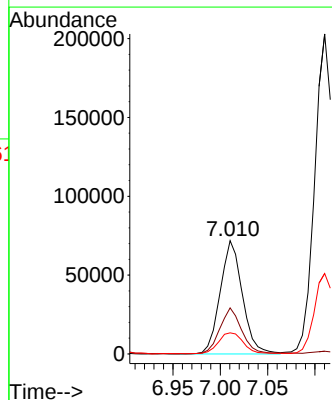
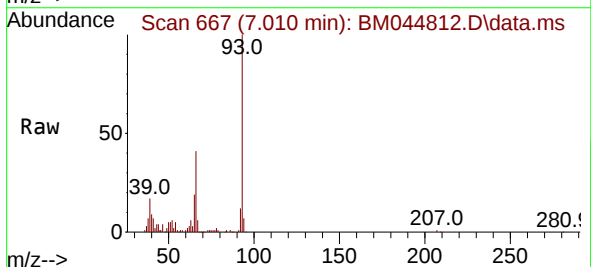
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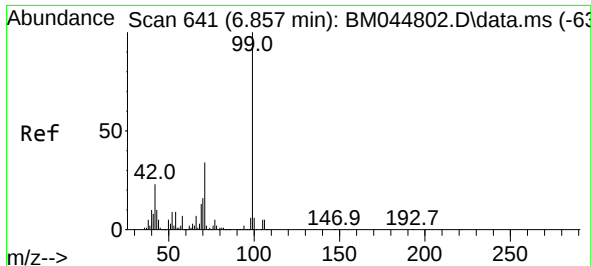
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#6  
Aniline  
Concen: 12.816 ng  
RT: 7.010 min Scan# 667  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

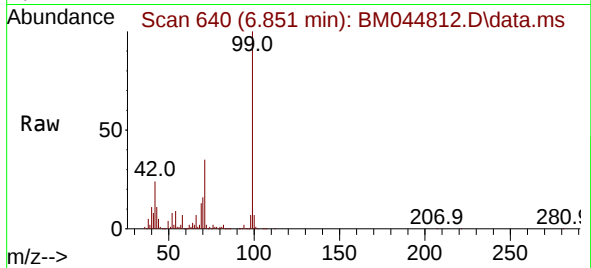
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Ion Ratio Lower Upper  
93 100  
66 40.7 30.1 45.1  
65 18.6 16.5 24.7





#7  
Phenol-d6  
Concen: 125.649 ng  
RT: 6.851 min Scan# 641  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

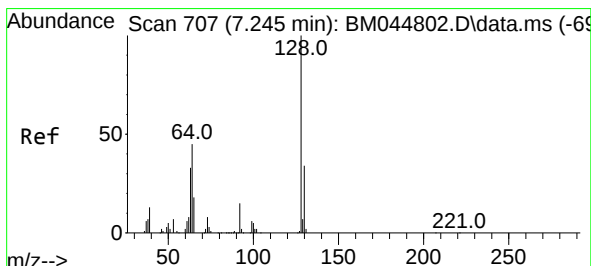
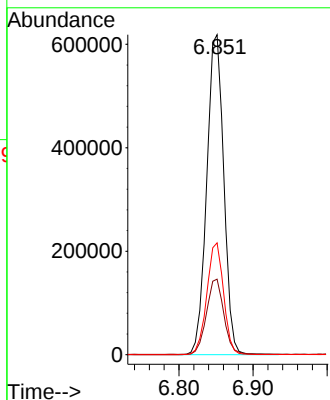
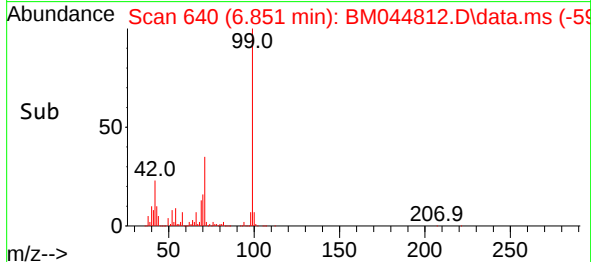
Instrument :  
BNA\_M  
ClientSampleId :  
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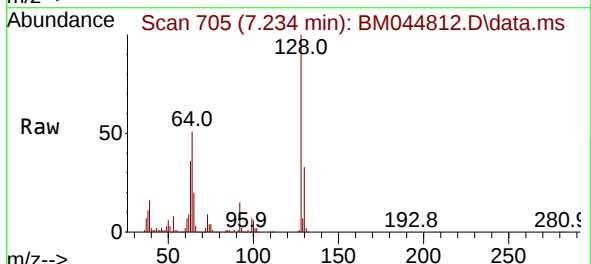
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Ion Ratio Lower Upper  
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71 35.0 27.3 40.9

Manual Integrations  
APPROVED

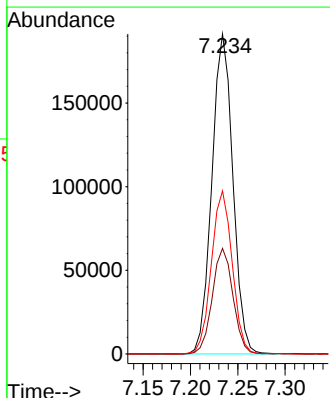
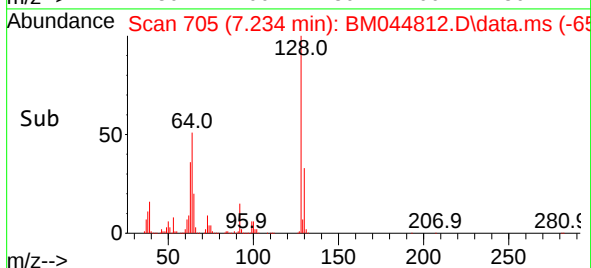
Reviewed By :Yogesh Patel 03/30/2024  
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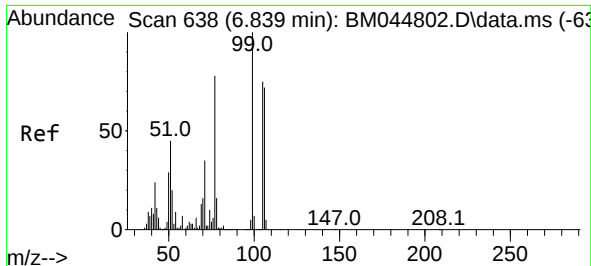


#8  
2-Chlorophenol  
Concen: 47.968 ng  
RT: 7.234 min Scan# 705  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



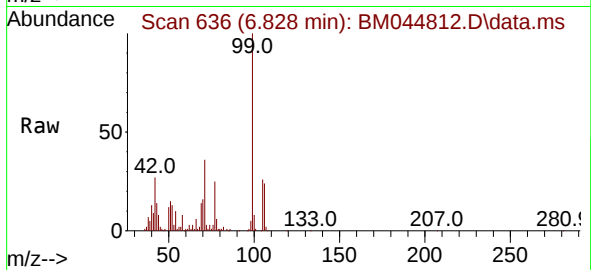
Tgt Ion:128 Resp: 294729  
Ion Ratio Lower Upper  
128 100  
130 33.0 13.9 53.9  
64 50.9 28.0 68.0





#9  
Benzaldehyde  
Concen: 10.119 ng m  
RT: 6.828 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

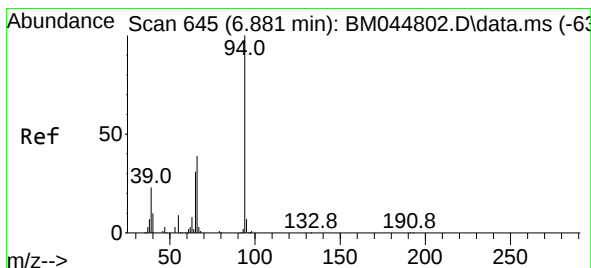
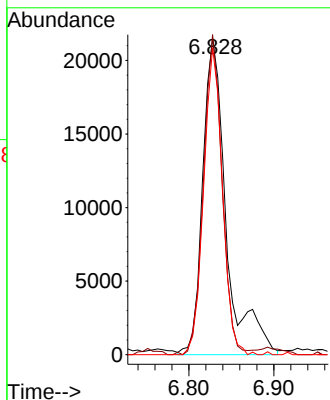
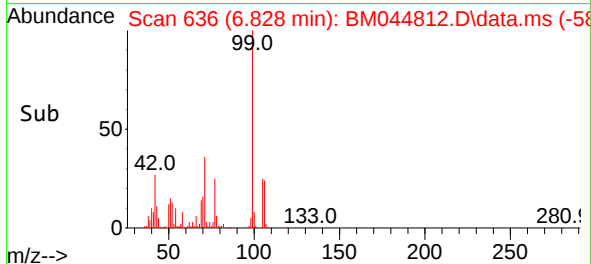
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion: 77 Resp: 41402  
Ion Ratio Lower Upper  
77 100  
105 101.2 75.7 115.7  
106 97.1 71.6 111.6

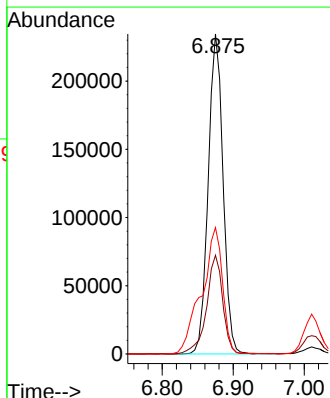
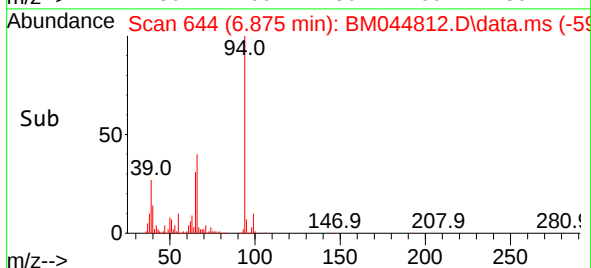
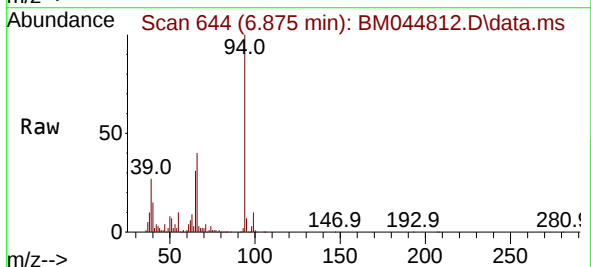
Manual Integrations  
APPROVED

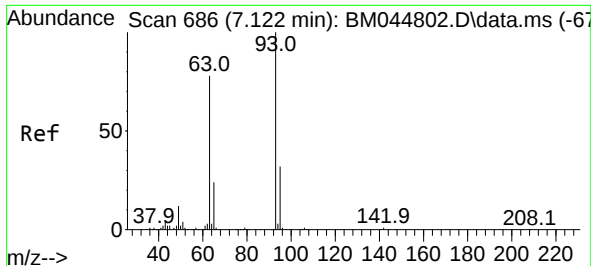
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#10  
Phenol  
Concen: 43.933 ng  
RT: 6.875 min Scan# 644  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

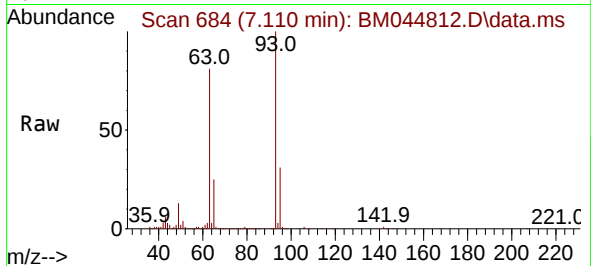
Tgt Ion: 94 Resp: 341303  
Ion Ratio Lower Upper  
94 100  
65 30.8 11.3 51.3  
66 39.5 20.2 60.2





#11  
bis(2-Chloroethyl)ether  
Concen: 48.131 ng  
RT: 7.110 min Scan# 684  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

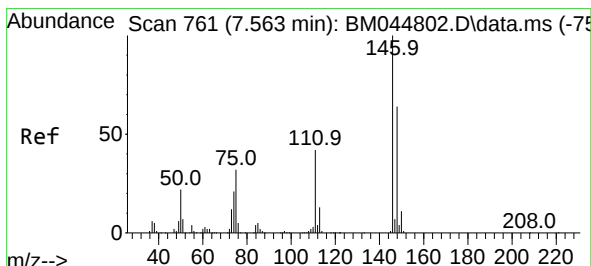
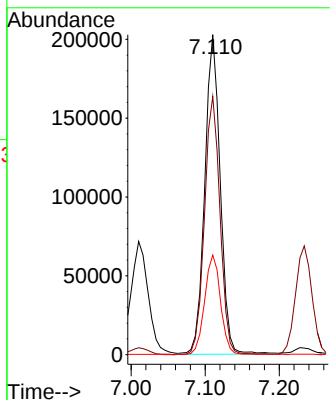
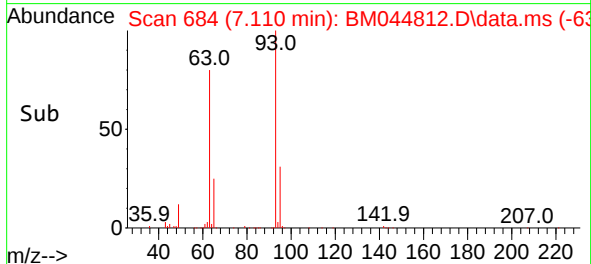
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion: 93 Resp: 29434  
Ion Ratio Lower Upper  
93 100  
63 80.7 57.8 97.8  
95 31.1 11.6 51.6

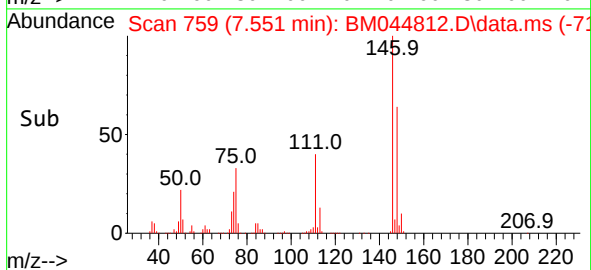
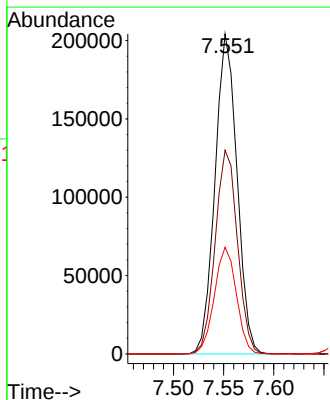
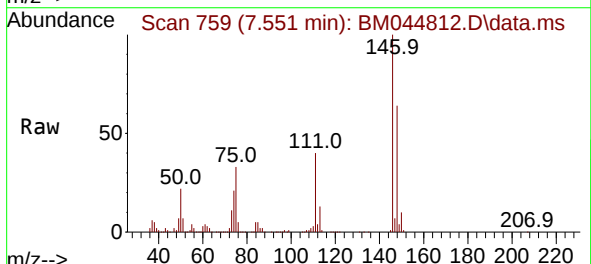
Manual Integrations  
APPROVED

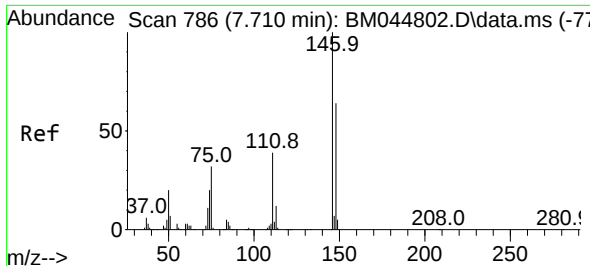
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#12  
1,3-Dichlorobenzene  
Concen: 48.570 ng  
RT: 7.551 min Scan# 759  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:146 Resp: 311778  
Ion Ratio Lower Upper  
146 100  
148 63.6 51.4 77.2  
75 33.4 26.0 39.0





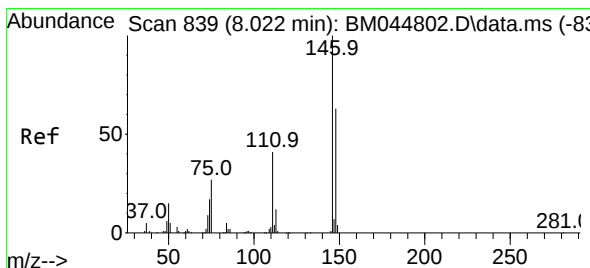
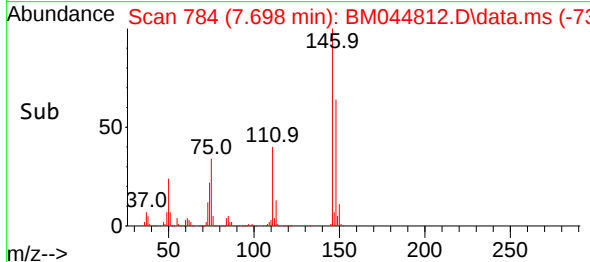
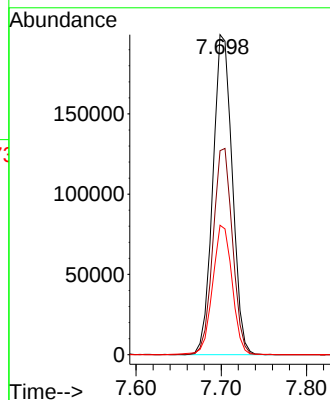
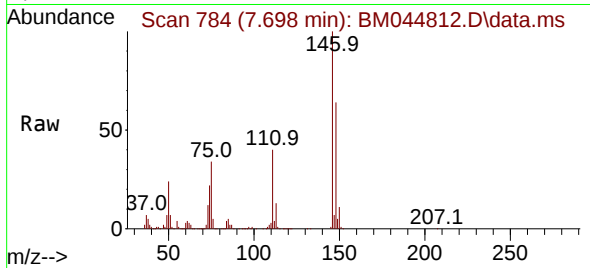
#13  
1,4-Dichlorobenzene  
Concen: 48.450 ng  
RT: 7.698 min Scan# 710  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS

Tgt Ion:146 Resp: 316020  
Ion Ratio Lower Upper  
146 100  
148 63.7 51.4 77.2  
111 40.4 31.4 47.2

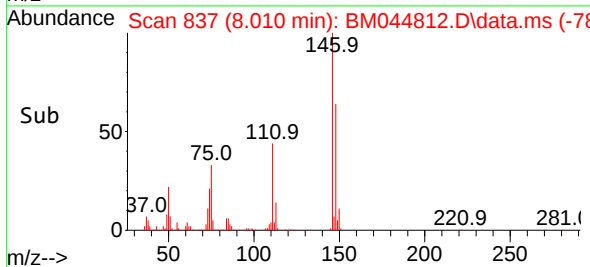
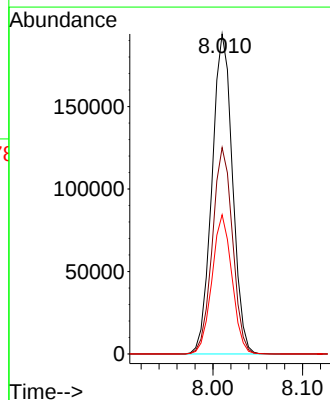
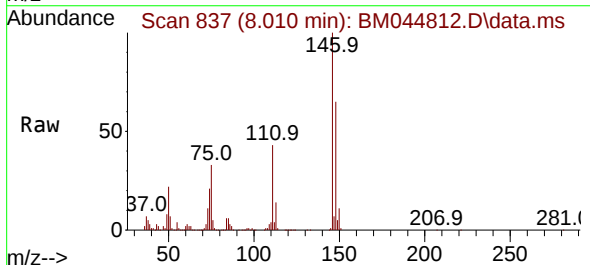
Manual Integrations  
APPROVED

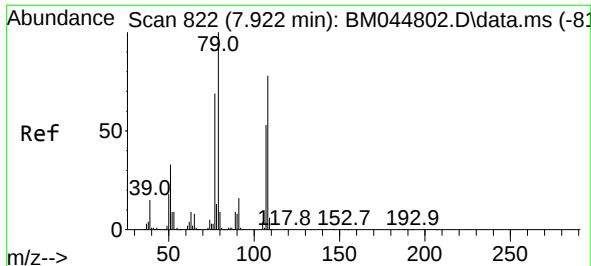
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#14  
1,2-Dichlorobenzene  
Concen: 48.943 ng  
RT: 8.010 min Scan# 837  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

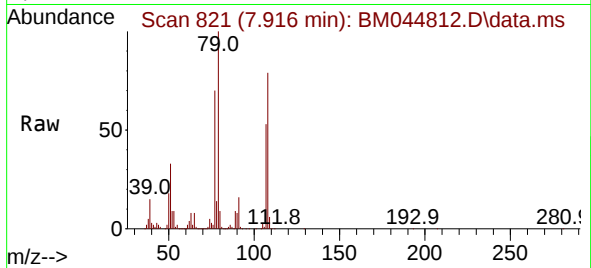
Tgt Ion:146 Resp: 307755  
Ion Ratio Lower Upper  
146 100  
148 64.5 50.2 75.2  
111 43.5 33.7 50.5





#15  
Benzyl Alcohol  
Concen: 49.815 ng  
RT: 7.916 min Scan# 81  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

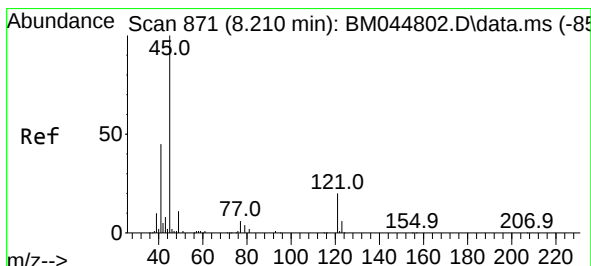
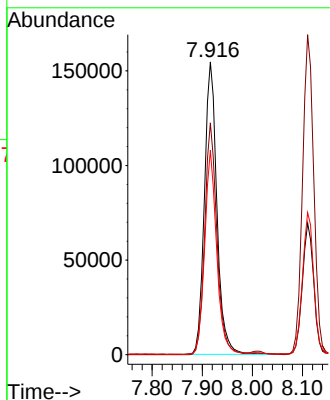
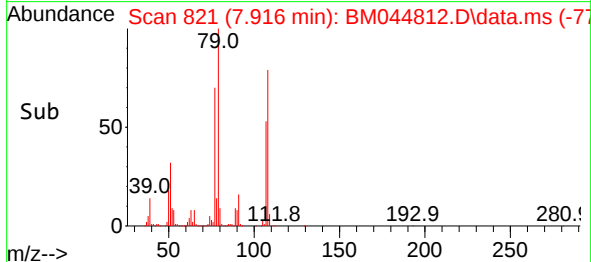
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion: 79 Resp: 268420  
Ion Ratio Lower Upper  
79 100  
108 79.1 62.2 93.2  
77 69.8 55.1 82.7

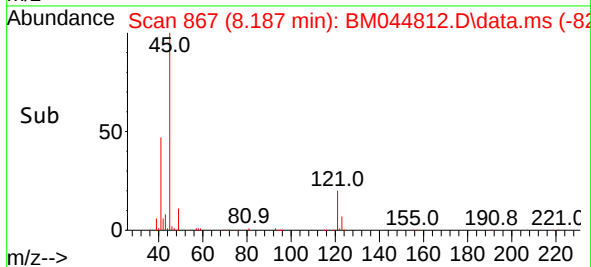
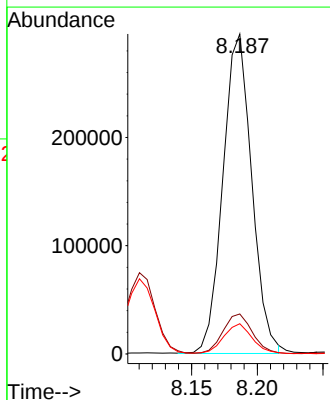
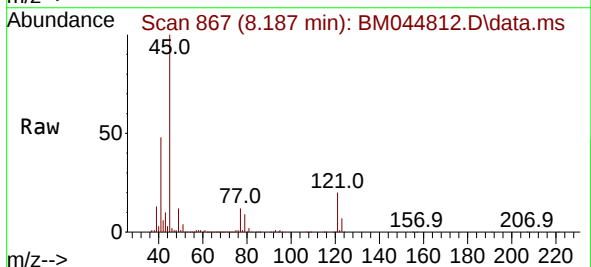
Manual Integrations  
APPROVED

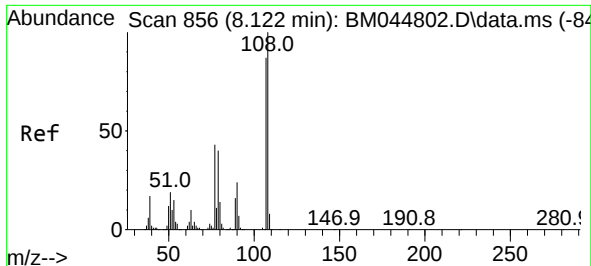
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 48.795 ng m  
RT: 8.187 min Scan# 867  
Delta R.T. -0.023 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

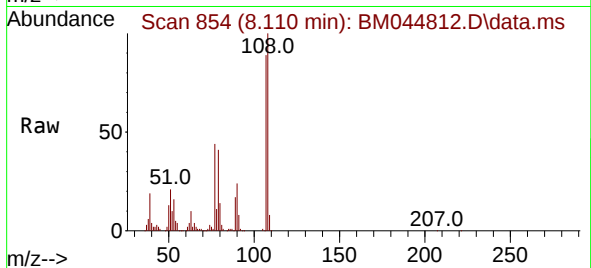
Tgt Ion: 45 Resp: 450681  
Ion Ratio Lower Upper  
45 100  
77 12.5 0.0 33.0  
79 9.4 0.0 30.4





#17  
2-Methylphenol  
Concen: 43.260 ng  
RT: 8.110 min Scan# 811  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

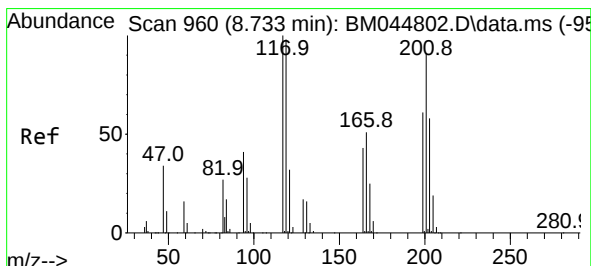
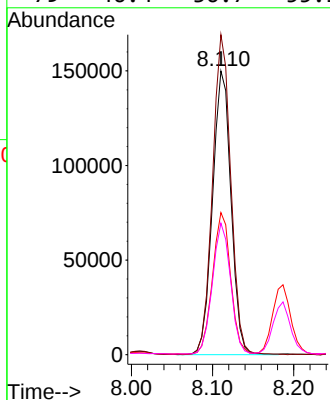
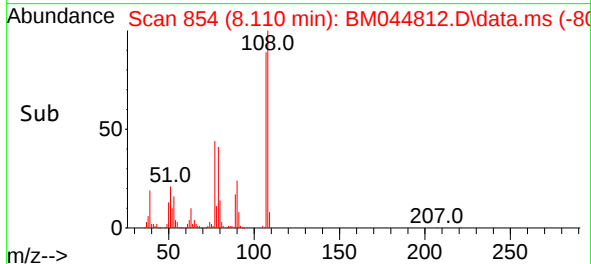
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 23724 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 108      | 112.8 | 91.5  | 137.3 |
| 77       | 50.1  | 39.1  | 58.7  |
| 79       | 46.4  | 36.7  | 55.1  |

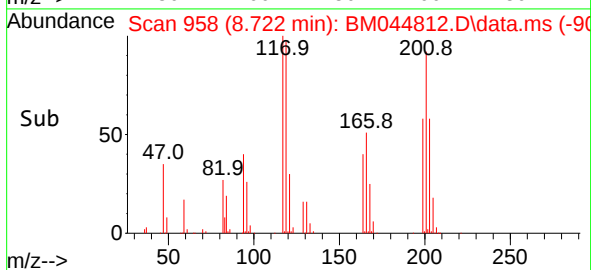
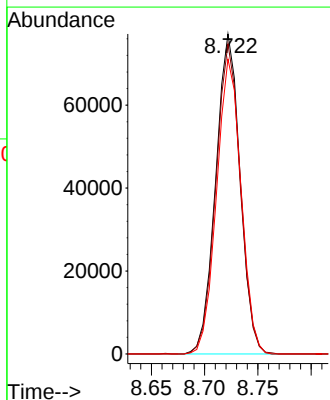
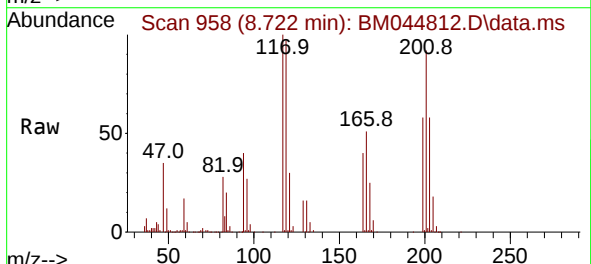
Manual Integrations  
APPROVED

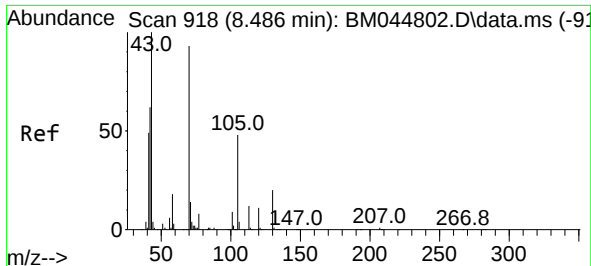
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#18  
Hexachloroethane  
Concen: 48.374 ng  
RT: 8.722 min Scan# 958  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 123014 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 96.9  | 78.6  | 118.0  |
| 201      | 94.2  | 72.7  | 109.1  |





#19

n-Nitroso-di-n-propylamine

Concen: 46.559 ng

RT: 8.475 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

Tgt Ion: 70 Resp: 22168

Ion Ratio Lower Upper

70 100

42 69.4 53.6 80.4

101 9.5 7.5 11.3

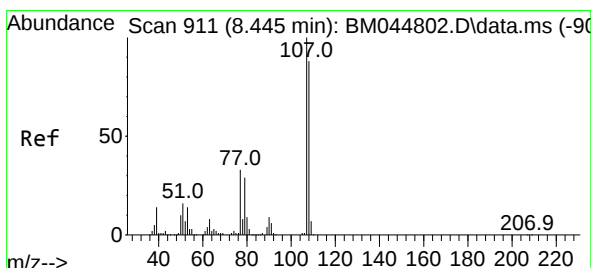
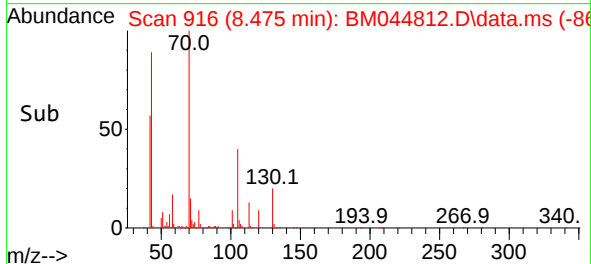
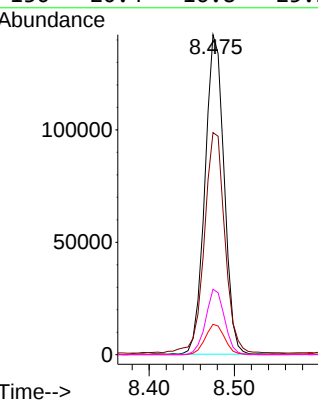
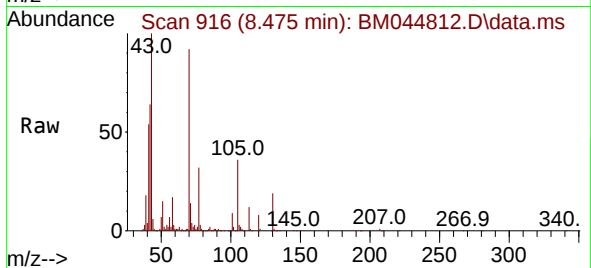
130 20.4 16.8 25.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#20

3+4-Methylphenols

Concen: 42.814 ng

RT: 8.440 min Scan# 910

Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Tgt Ion:107 Resp: 317295

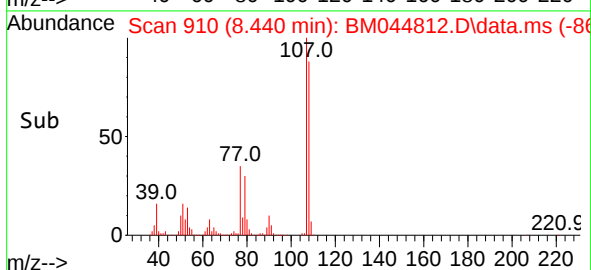
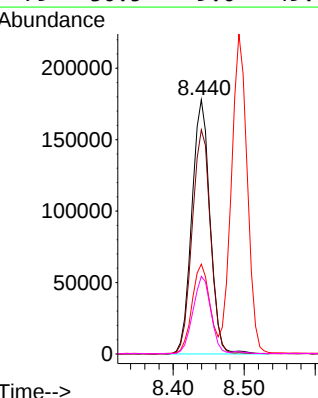
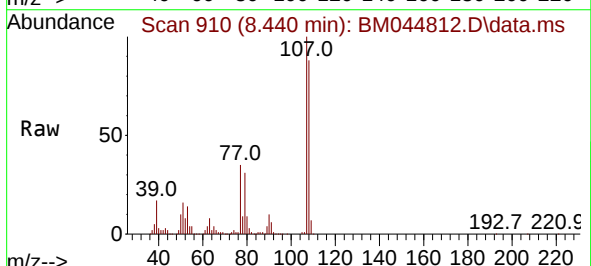
Ion Ratio Lower Upper

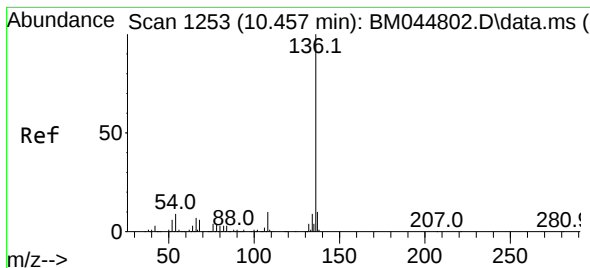
107 100

108 88.2 68.1 108.1

77 35.3 13.4 53.4

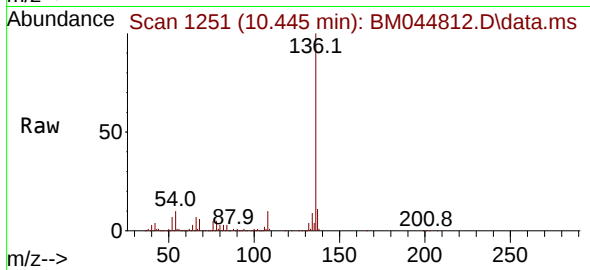
79 30.5 9.0 49.0





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.445 min Scan# 1251  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

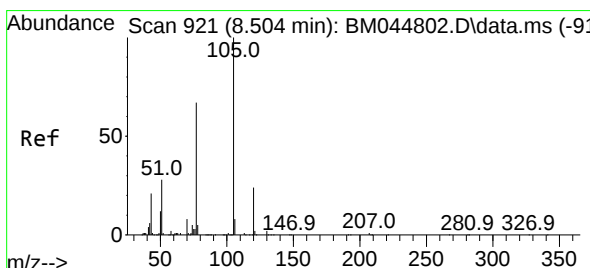
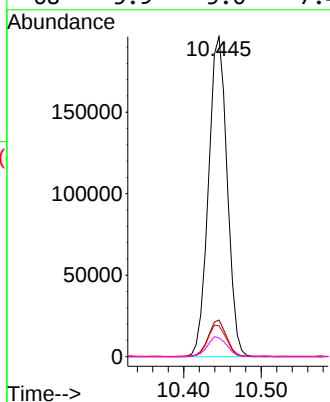
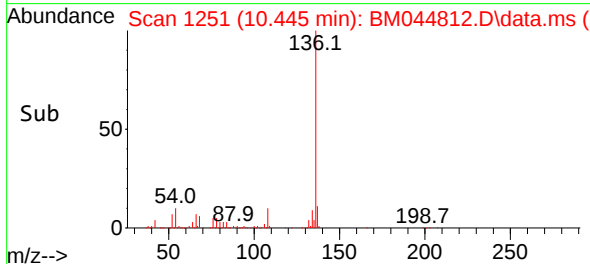
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:136 Resp: 32854  
Ion Ratio Lower Upper  
136 100  
137 11.4 8.4 12.6  
54 9.7 7.3 10.9  
68 5.9 5.0 7.4

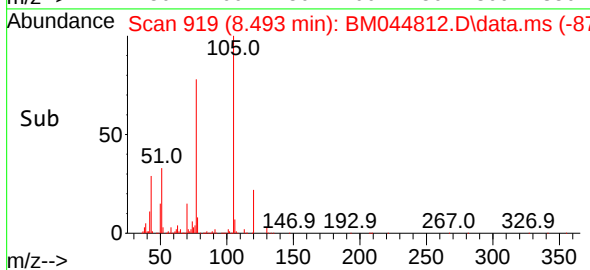
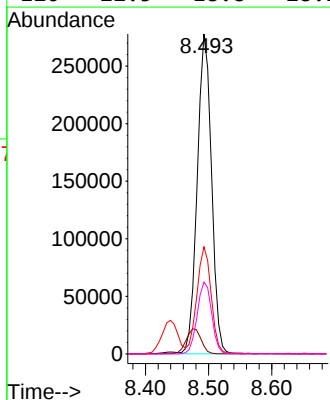
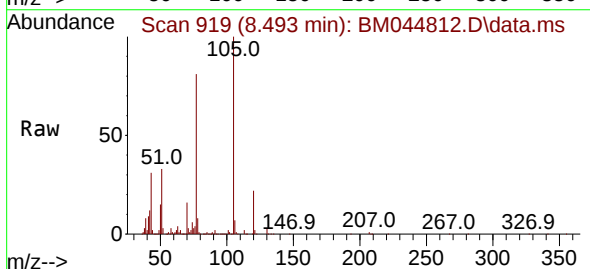
Manual Integrations  
APPROVED

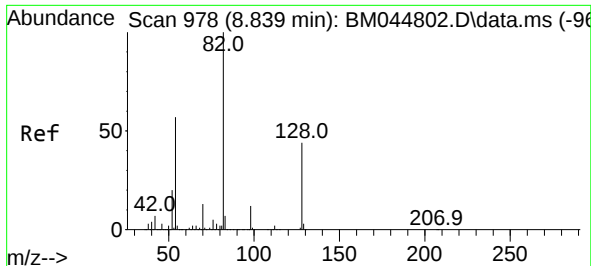
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#22  
Acetophenone  
Concen: 48.886 ng  
RT: 8.493 min Scan# 919  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:105 Resp: 435600  
Ion Ratio Lower Upper  
105 100  
71 2.5 1.6 2.4#  
51 33.4 25.9 38.9  
120 22.5 18.8 28.2





#23

Nitrobenzene-d5

Concen: 97.416 ng

RT: 8.828 min Scan# 91

Delta R.T. -0.012 min

Lab File: BM044812.D

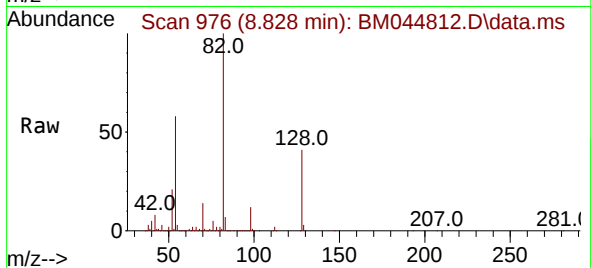
Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS



Tgt Ion: 82 Resp: 709960

Ion Ratio Lower Upper

82 100

128 41.4 34.8 52.2

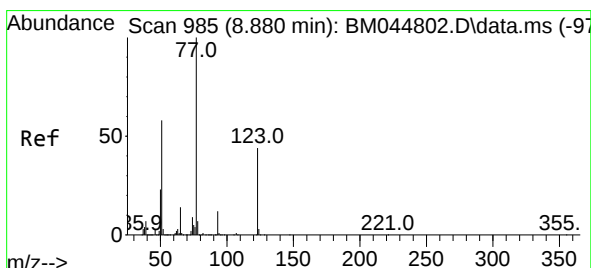
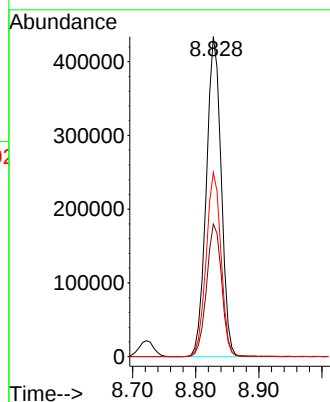
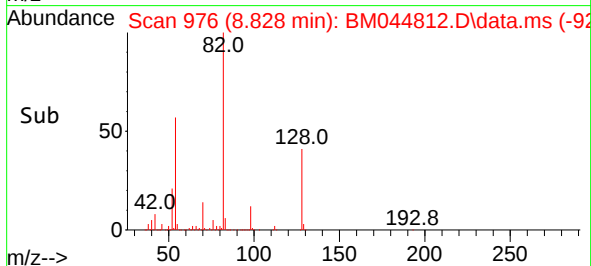
54 57.5 45.4 68.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#24

Nitrobenzene

Concen: 47.848 ng

RT: 8.869 min Scan# 983

Delta R.T. -0.012 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

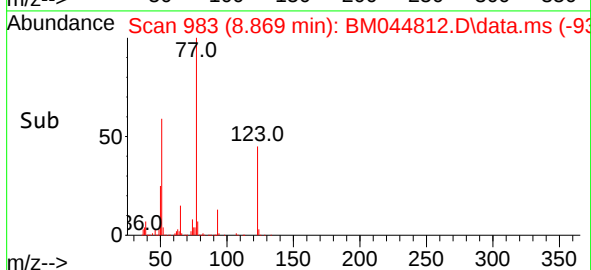
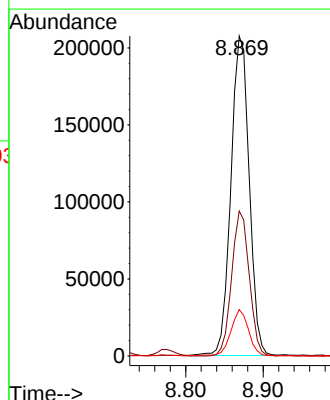
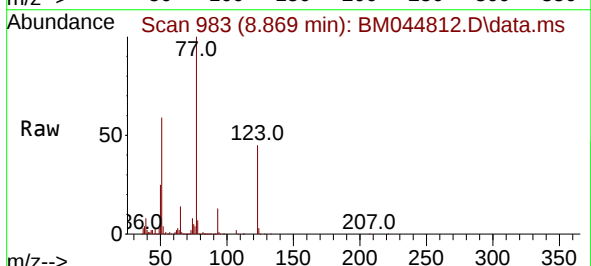
Tgt Ion: 77 Resp: 340652

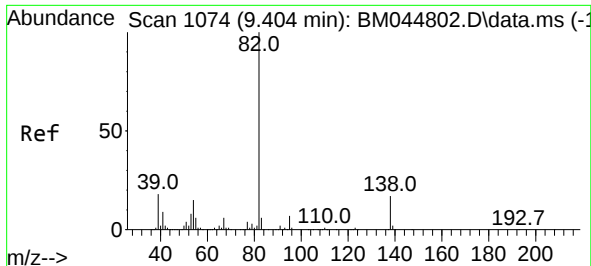
Ion Ratio Lower Upper

77 100

123 45.3 35.1 52.7

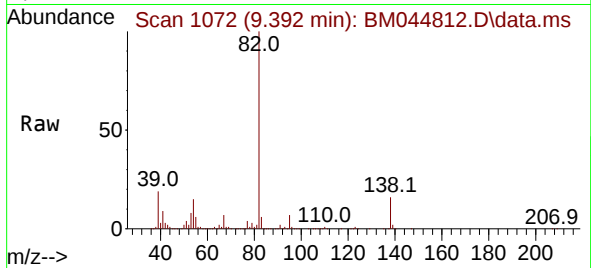
65 14.5 11.4 17.2





#25  
Isophorone  
Concen: 50.479 ng  
RT: 9.392 min Scan# 1102  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

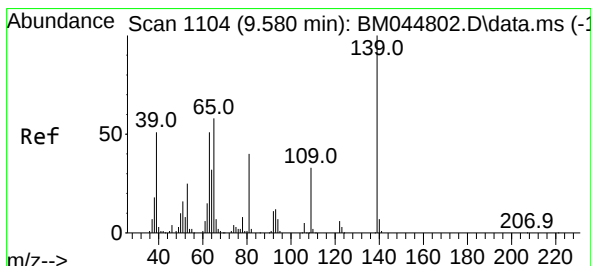
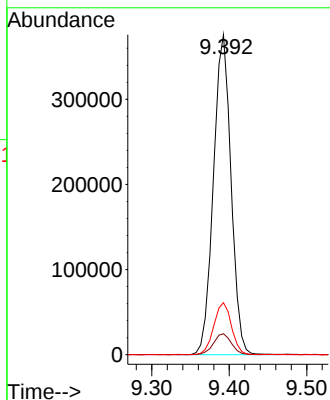
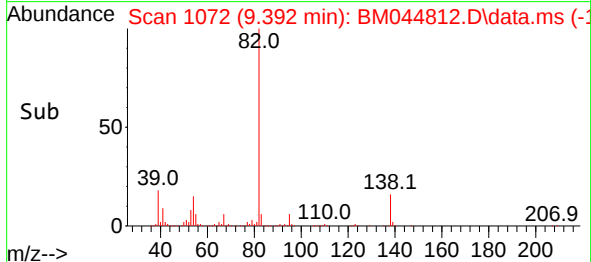
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion: 82 Resp: 593229  
Ion Ratio Lower Upper  
82 100  
95 6.6 5.3 7.9  
138 16.3 13.6 20.4

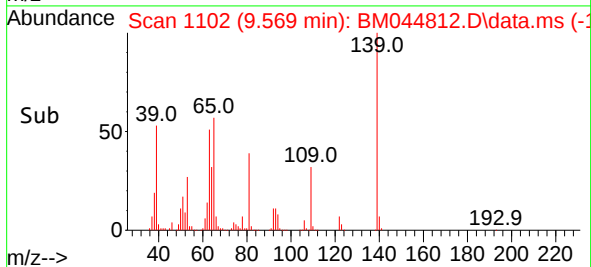
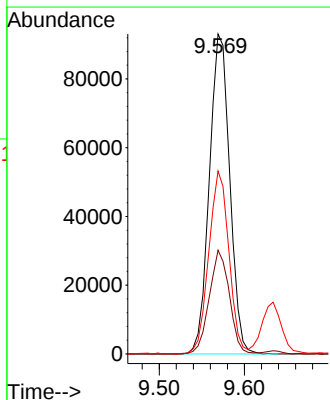
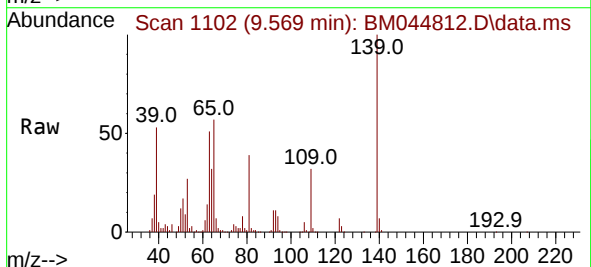
Manual Integrations  
APPROVED

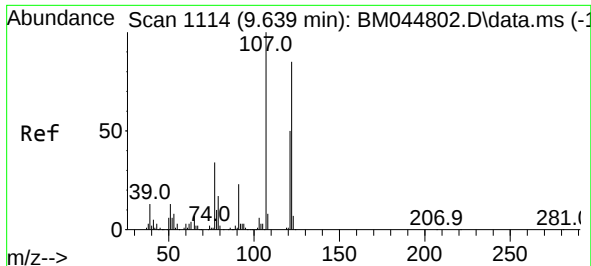
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#26  
2-Nitrophenol  
Concen: 49.326 ng  
RT: 9.569 min Scan# 1102  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

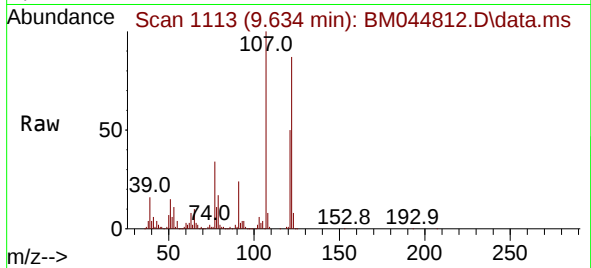
Tgt Ion:139 Resp: 154790  
Ion Ratio Lower Upper  
139 100  
109 32.4 26.7 40.1  
65 57.1 46.8 70.2





#27  
2,4-Dimethylphenol  
Concen: 38.501 ng  
RT: 9.634 min Scan# 1113  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

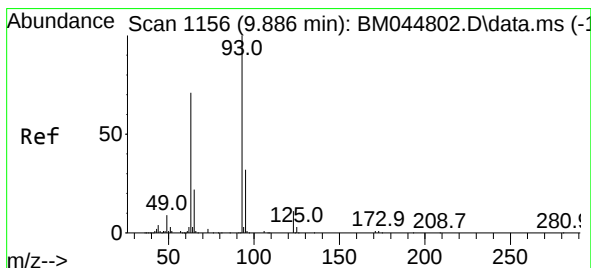
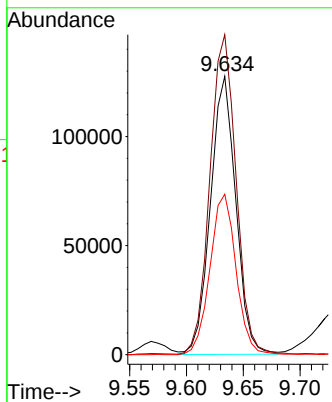
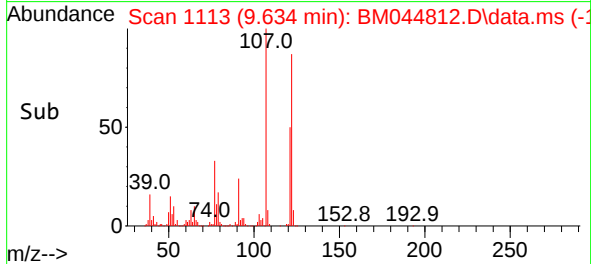
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



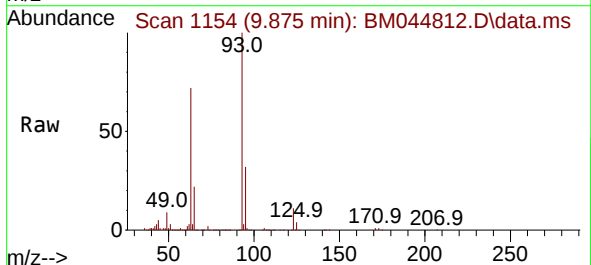
Tgt Ion:122 Resp: 198360  
Ion Ratio Lower Upper  
122 100  
107 114.9 93.3 139.9  
121 57.6 46.3 69.5

Manual Integrations  
APPROVED

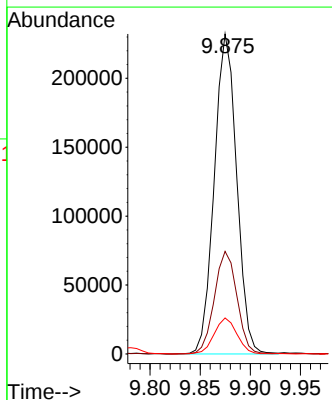
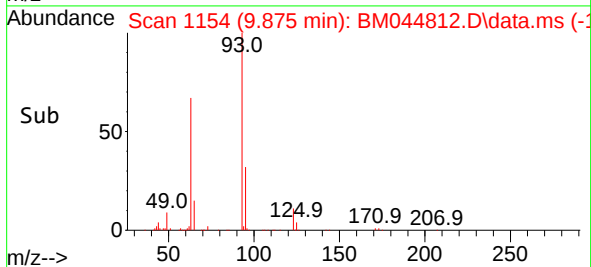
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

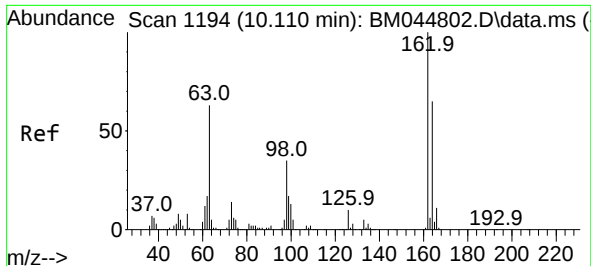


#28  
bis(2-Chloroethoxy)methane  
Concen: 48.759 ng  
RT: 9.875 min Scan# 1154  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



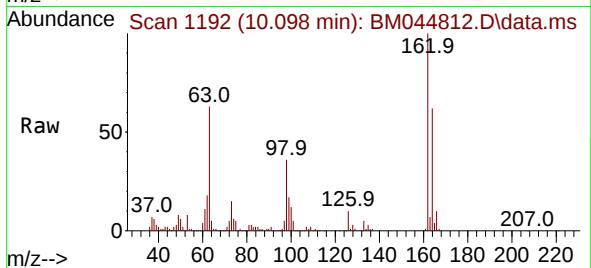
Tgt Ion: 93 Resp: 360227  
Ion Ratio Lower Upper  
93 100  
95 32.0 25.4 38.2  
123 11.2 8.7 13.1





#29  
2,4-Dichlorophenol  
Concen: 50.889 ng  
RT: 10.098 min Scan# 1192  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

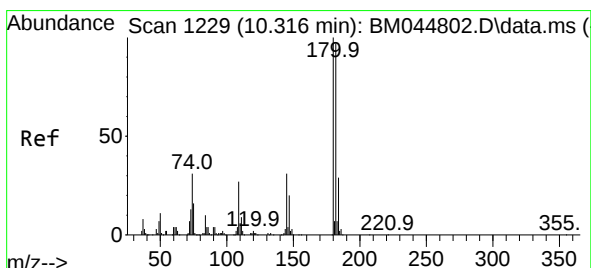
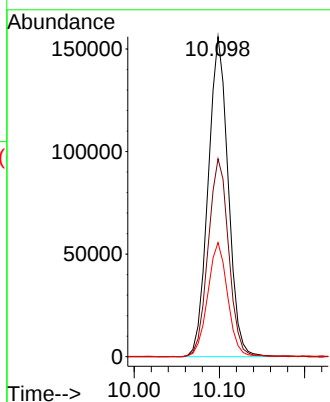
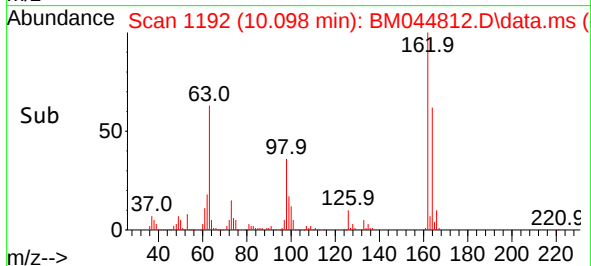
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:162 Resp: 25446  
Ion Ratio Lower Upper  
162 100  
164 61.8 44.6 84.6  
98 35.7 15.3 55.3

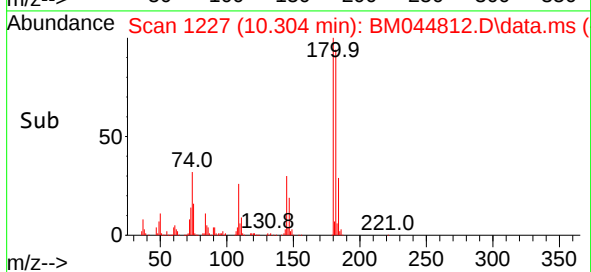
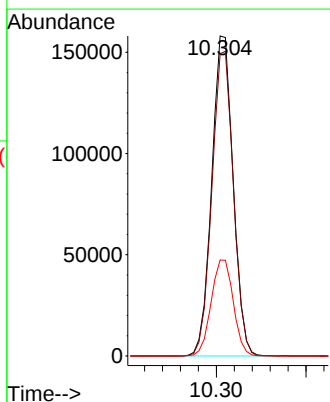
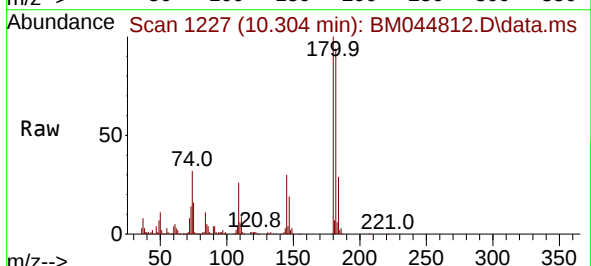
Manual Integrations  
APPROVED

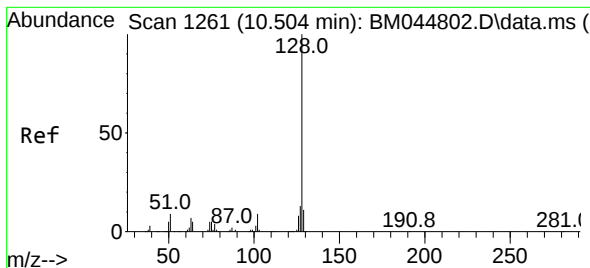
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#30  
1,2,4-Trichlorobenzene  
Concen: 49.776 ng  
RT: 10.304 min Scan# 1227  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

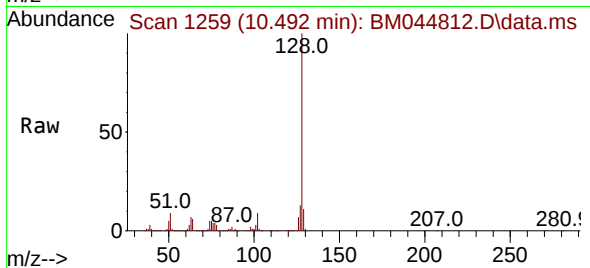
Tgt Ion:180 Resp: 261919  
Ion Ratio Lower Upper  
180 100  
182 94.5 77.2 115.8  
145 30.0 25.1 37.7





#31  
Naphthalene  
Concen: 47.800 ng  
RT: 10.492 min Scan# 1259  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

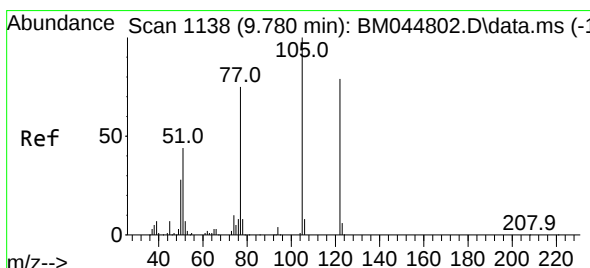
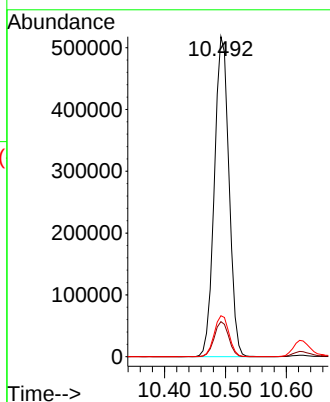
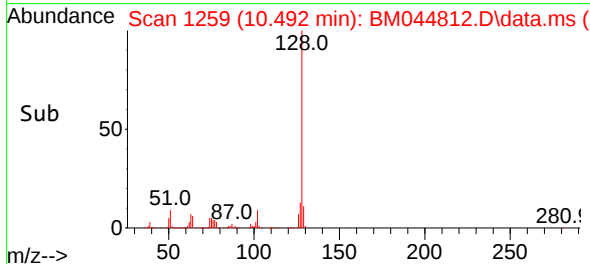
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:128 Resp: 862640  
Ion Ratio Lower Upper  
128 100  
129 11.0 8.8 13.2  
127 12.8 10.1 15.1

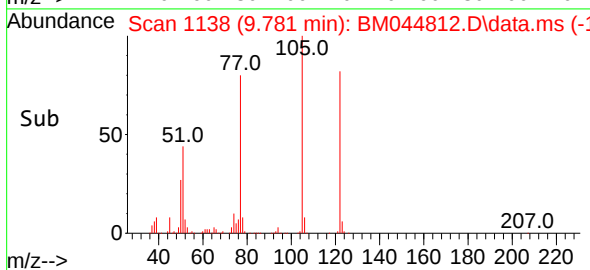
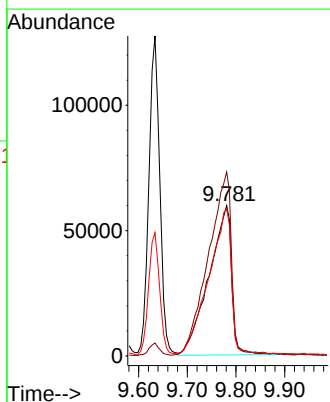
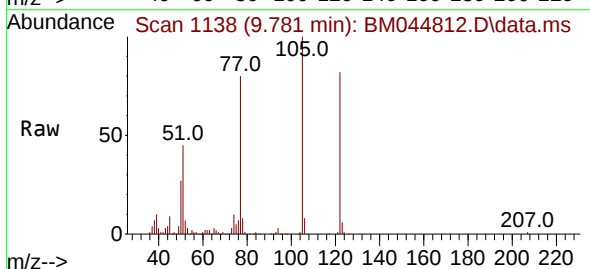
Manual Integrations  
APPROVED

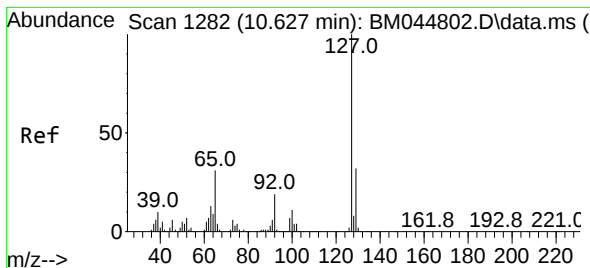
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#32  
Benzoic acid  
Concen: 49.668 ng  
RT: 9.781 min Scan# 1138  
Delta R.T. 0.001 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:122 Resp: 192095  
Ion Ratio Lower Upper  
122 100  
105 122.3 105.6 145.6  
77 97.7 75.5 115.5





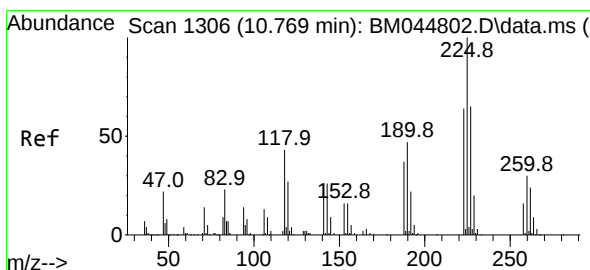
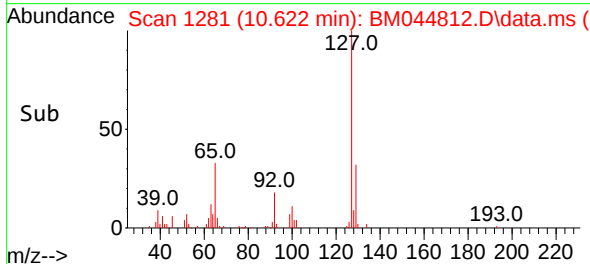
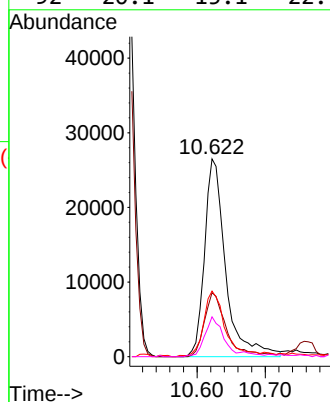
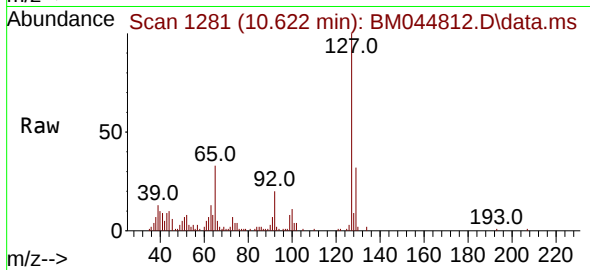
#33  
4-Chloroaniline  
Concen: 7.669 ng  
RT: 10.622 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 127   | Resp: | 5704 |
| Ion Ratio | Lower | Upper |      |
| 127       | 100   |       |      |
| 129       | 32.3  | 25.8  | 38.8 |
| 65        | 33.2  | 25.1  | 37.7 |
| 92        | 20.1  | 15.1  | 22.7 |

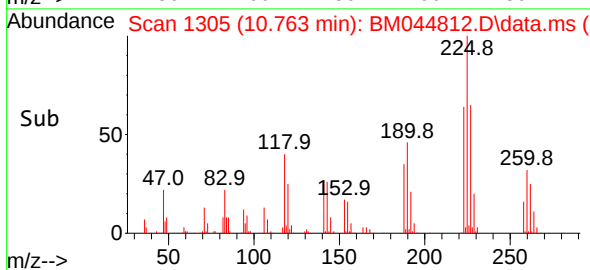
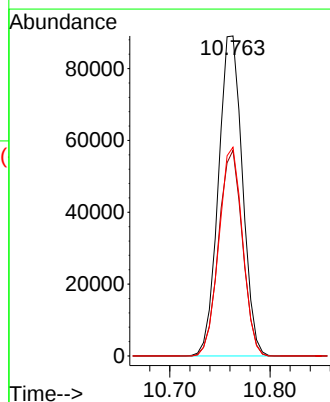
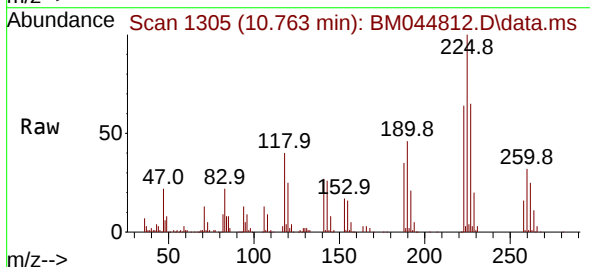
Manual Integrations  
APPROVED

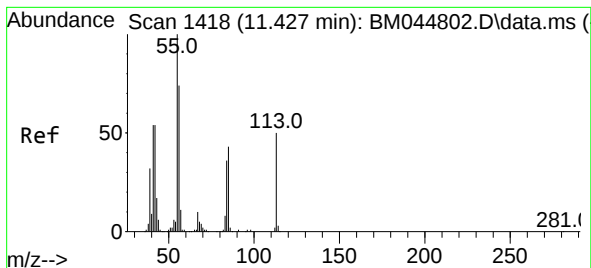
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#34  
Hexachlorobutadiene  
Concen: 47.349 ng  
RT: 10.763 min Scan# 1305  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

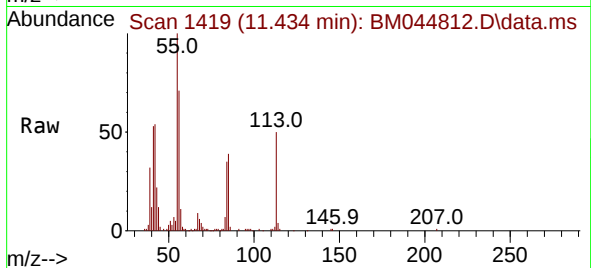
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 225   | Resp: | 147928 |
| Ion Ratio | Lower | Upper |        |
| 225       | 100   |       |        |
| 223       | 64.2  | 50.9  | 76.3   |
| 227       | 65.2  | 51.7  | 77.5   |





#35  
Caprolactam  
Concen: 51.571 ng  
RT: 11.434 min Scan# 1419  
Delta R.T. 0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

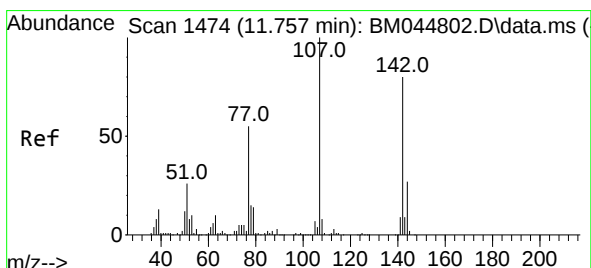
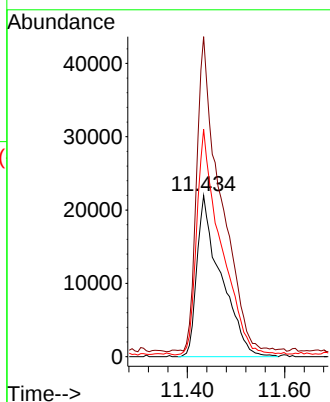
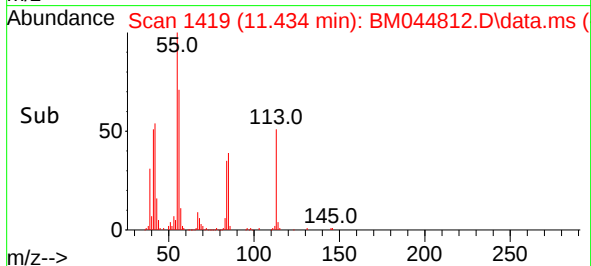
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



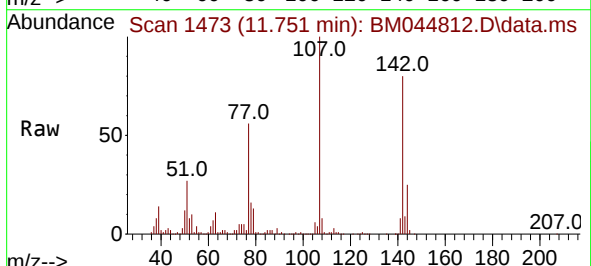
Tgt Ion:113 Resp: 75129  
Ion Ratio Lower Upper  
113 100  
55 198.6 180.8 220.8  
56 141.1 127.4 167.4

Manual Integrations  
APPROVED

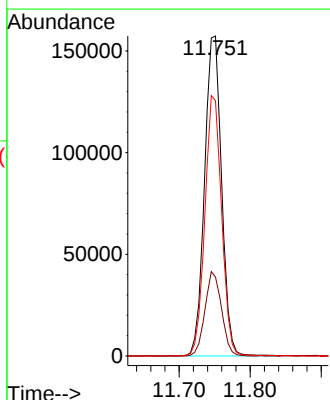
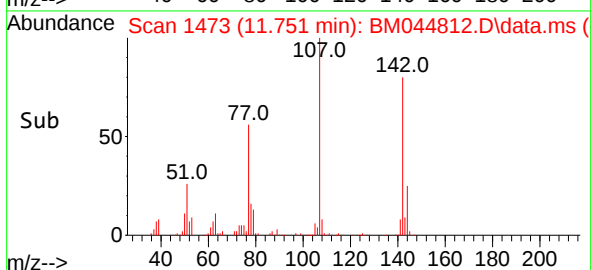
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

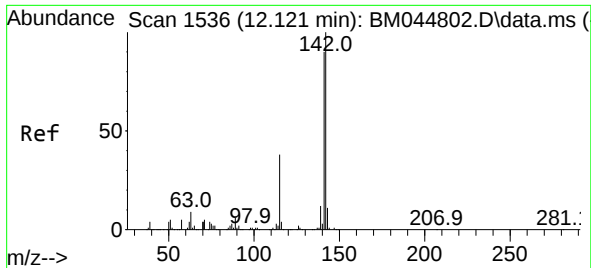


#36  
4-Chloro-3-methylphenol  
Concen: 50.543 ng  
RT: 11.751 min Scan# 1473  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



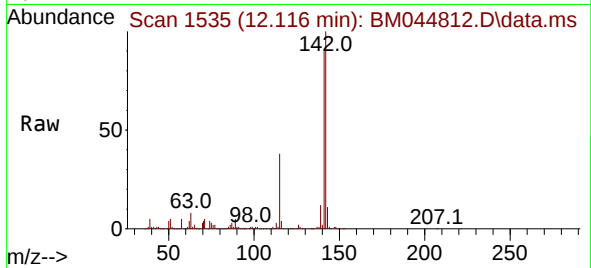
Tgt Ion:107 Resp: 262802  
Ion Ratio Lower Upper  
107 100  
144 24.7 21.6 32.4  
142 79.8 63.8 95.8





#37  
2-Methylnaphthalene  
Concen: 46.757 ng  
RT: 12.116 min Scan# 1535  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

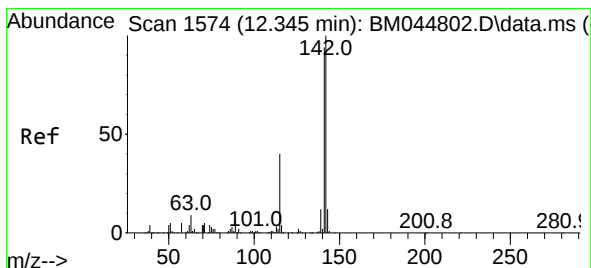
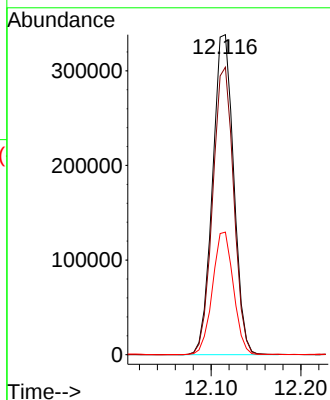
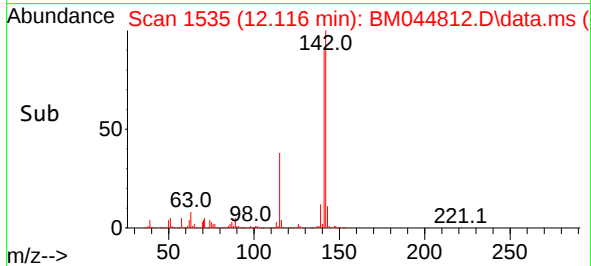
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



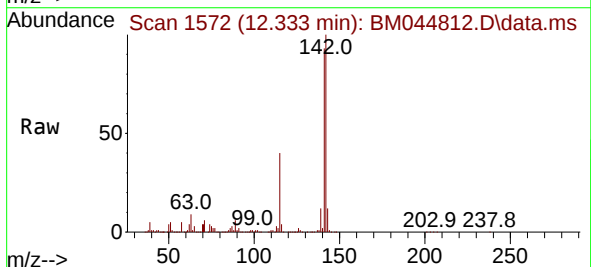
Tgt Ion:142 Resp: 553715  
Ion Ratio Lower Upper  
142 100  
141 89.9 71.7 107.5  
115 38.3 30.3 45.5

Manual Integrations  
APPROVED

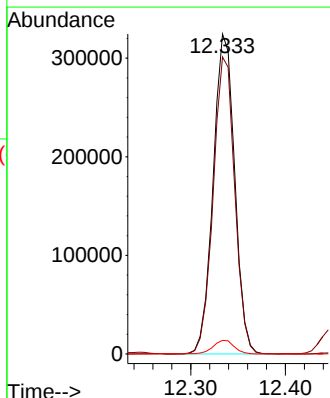
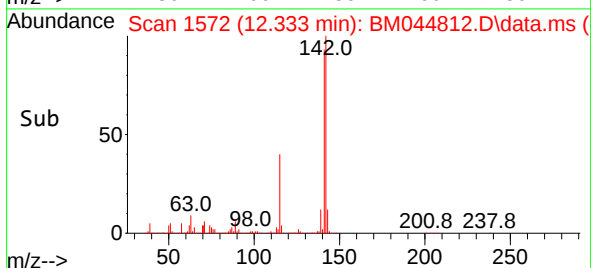
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

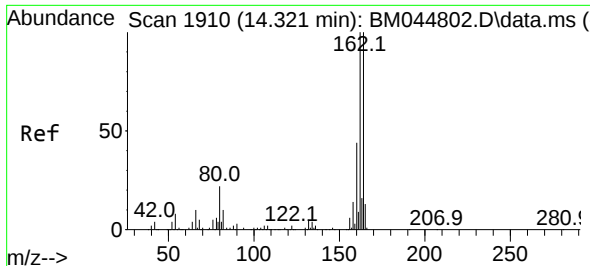


#38  
1-Methylnaphthalene  
Concen: 46.359 ng  
RT: 12.333 min Scan# 1572  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



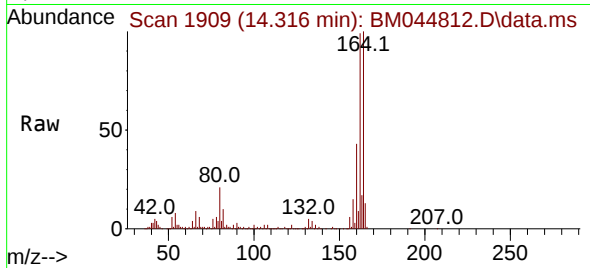
Tgt Ion:142 Resp: 511703  
Ion Ratio Lower Upper  
142 100  
141 92.8 75.6 113.4  
116 4.2 3.3 4.9





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.316 min Scan# 1909  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

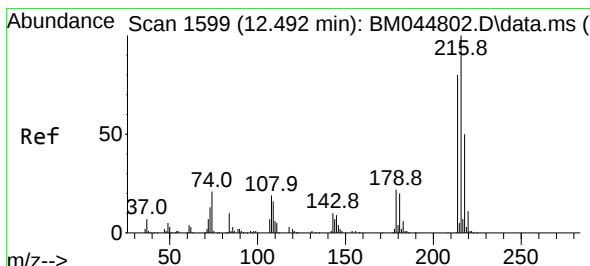
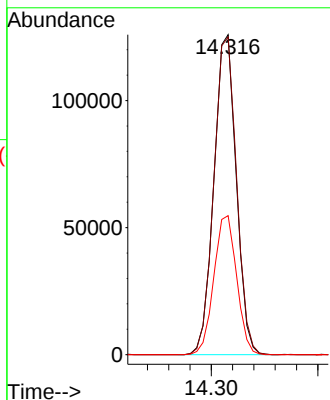
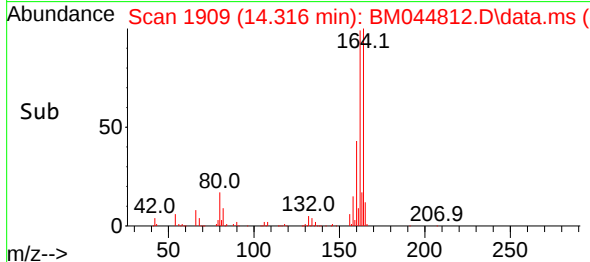
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



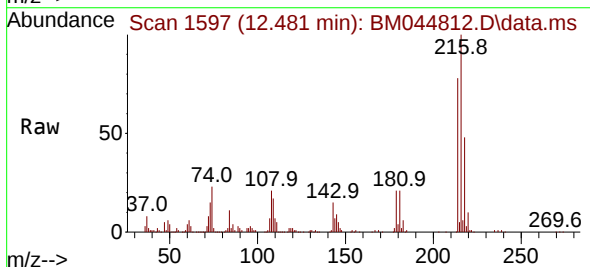
Tgt Ion:164 Resp: 18263  
Ion Ratio Lower Upper  
164 100  
162 99.3 80.2 120.4  
160 43.4 35.4 53.2

Manual Integrations  
APPROVED

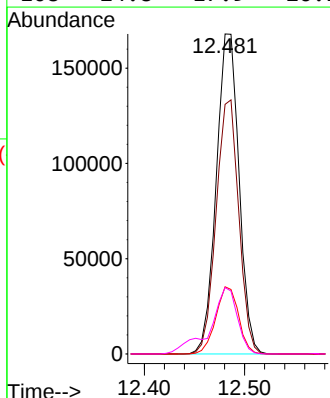
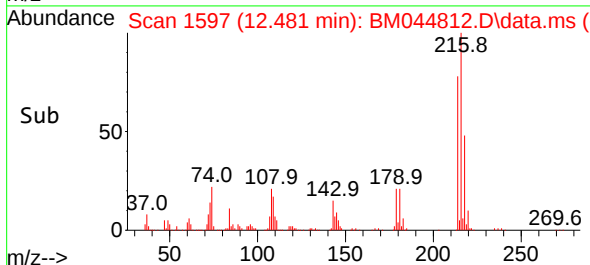
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

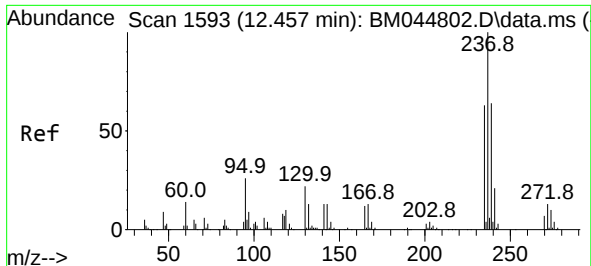


#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 46.280 ng  
RT: 12.481 min Scan# 1597  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



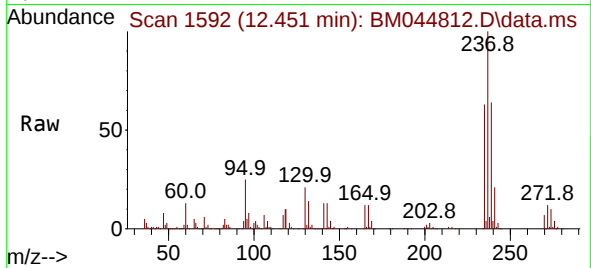
Tgt Ion:216 Resp: 264355  
Ion Ratio Lower Upper  
216 100  
214 78.9 63.4 95.2  
179 20.9 16.8 25.2  
108 24.8 17.9 26.9





#41  
Hexachlorocyclopentadiene  
Concen: 95.257 ng  
RT: 12.451 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

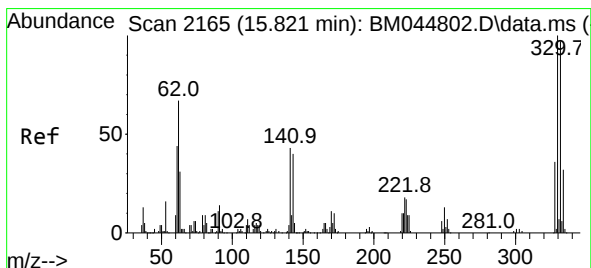
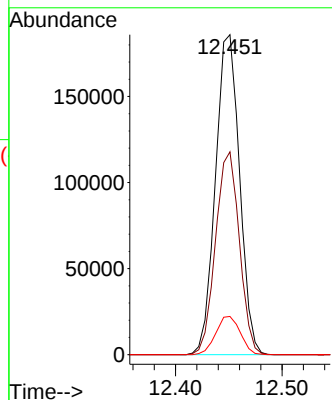
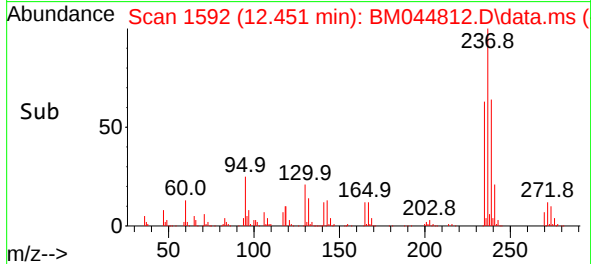
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



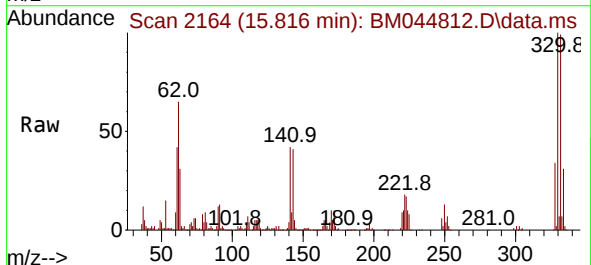
Tgt Ion:237 Resp: 29202  
Ion Ratio Lower Upper  
237 100  
235 63.4 43.3 83.3  
272 11.9 0.0 32.8

Manual Integrations  
APPROVED

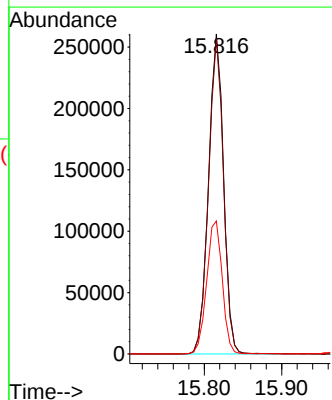
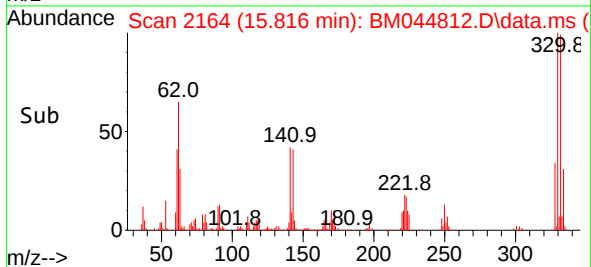
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

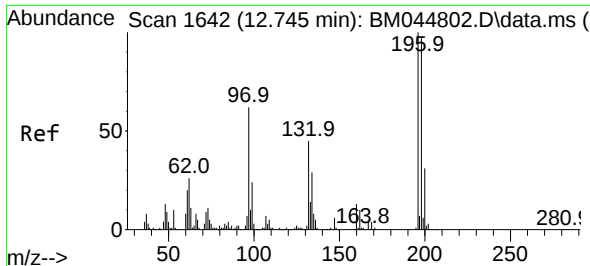


#42  
2,4,6-Tribromophenol  
Concen: 177.229 ng  
RT: 15.816 min Scan# 2164  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



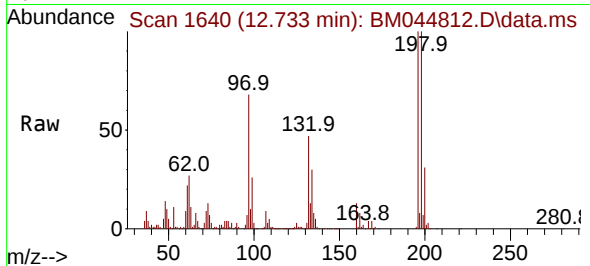
Tgt Ion:330 Resp: 353709  
Ion Ratio Lower Upper  
330 100  
332 97.1 77.0 115.4  
141 42.9 34.1 51.1





#43  
2,4,6-Trichlorophenol  
Concen: 47.411 ng  
RT: 12.733 min Scan# 1642  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

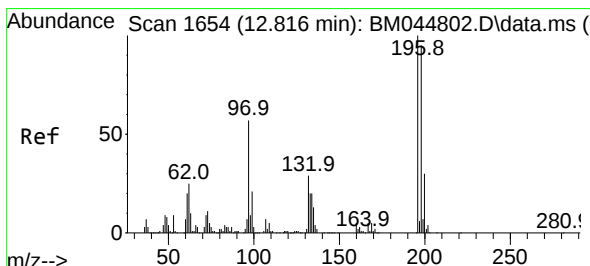
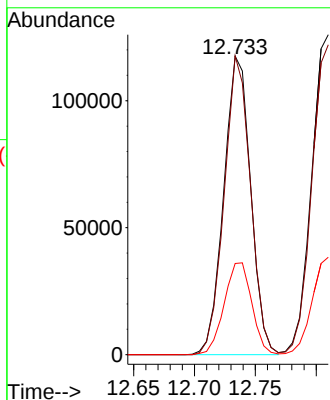
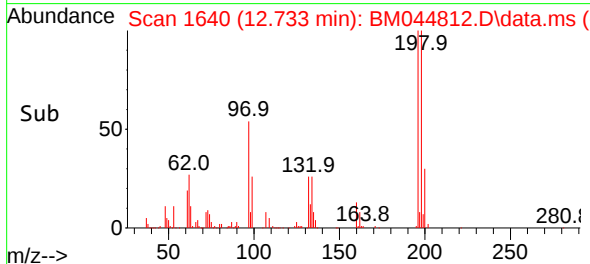
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



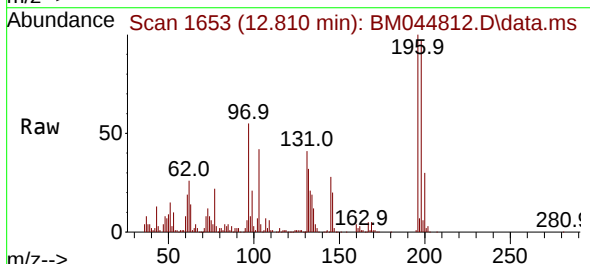
Tgt Ion:196 Resp: 18124  
Ion Ratio Lower Upper  
196 100  
198 100.1 77.3 115.9  
200 30.5 25.0 37.6

Manual Integrations  
APPROVED

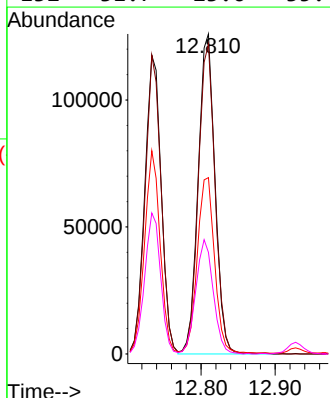
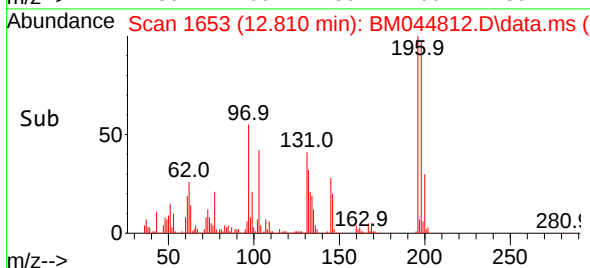
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

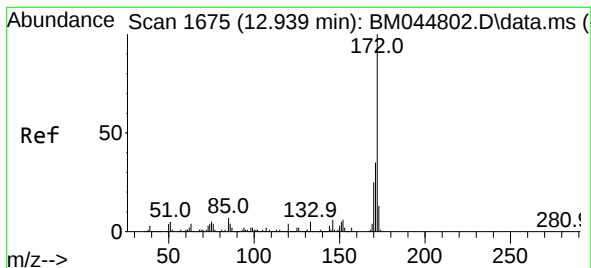


#44  
2,4,5-Trichlorophenol  
Concen: 45.248 ng  
RT: 12.810 min Scan# 1653  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



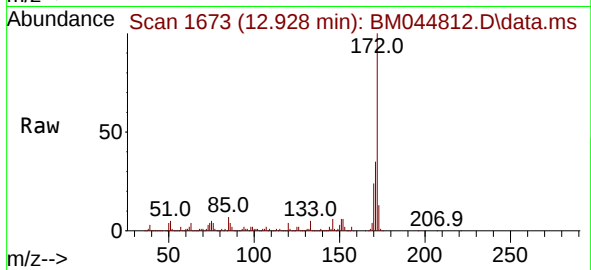
Tgt Ion:196 Resp: 199210  
Ion Ratio Lower Upper  
196 100  
198 96.8 76.0 114.0  
97 55.1 45.5 68.3  
132 31.7 23.6 35.4





#45  
2-Fluorobiphenyl  
Concen: 90.710 ng  
RT: 12.928 min Scan# 1709  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

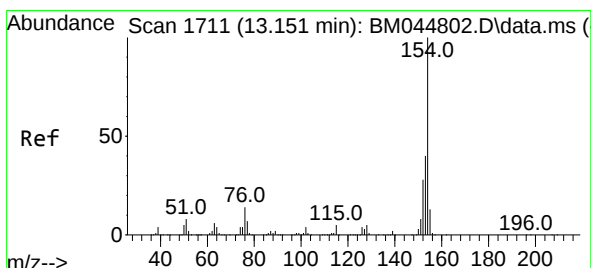
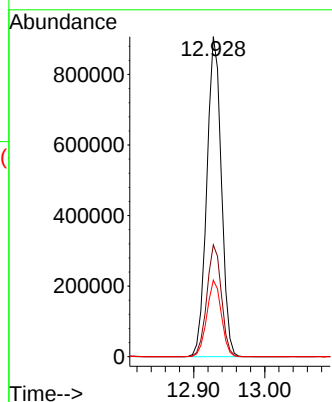
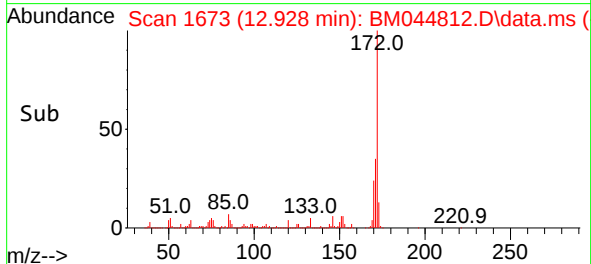
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:172 Resp: 1293510  
Ion Ratio Lower Upper  
172 100  
171 35.0 27.8 41.8  
170 23.9 19.8 29.6

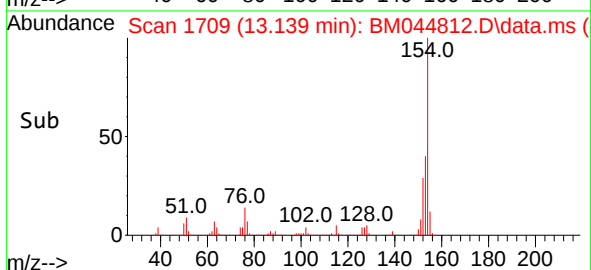
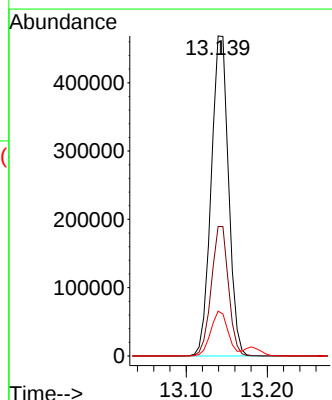
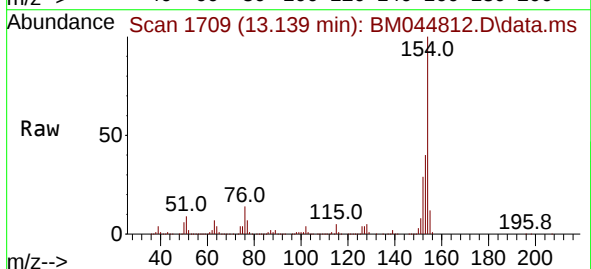
Manual Integrations  
APPROVED

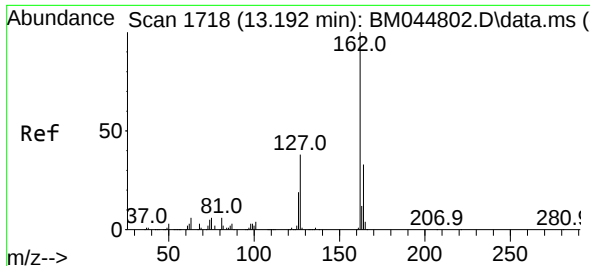
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#46  
1,1'-Biphenyl  
Concen: 46.994 ng  
RT: 13.139 min Scan# 1709  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

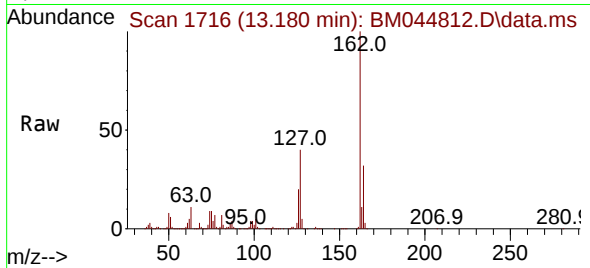
Tgt Ion:154 Resp: 694586  
Ion Ratio Lower Upper  
154 100  
153 40.4 20.1 60.1  
76 14.0 0.0 34.2





#47  
2-Chloronaphthalene  
Concen: 48.010 ng  
RT: 13.180 min Scan# 1716  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

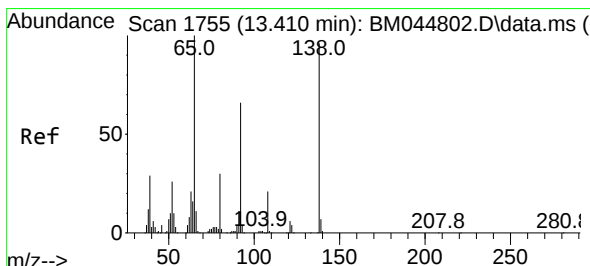
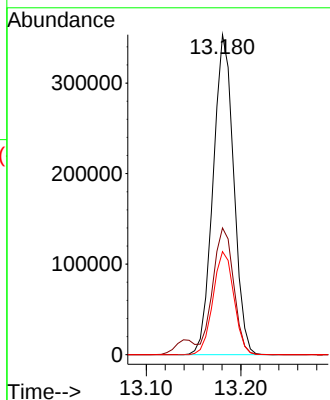
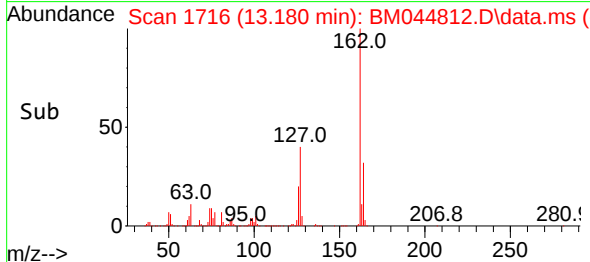
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



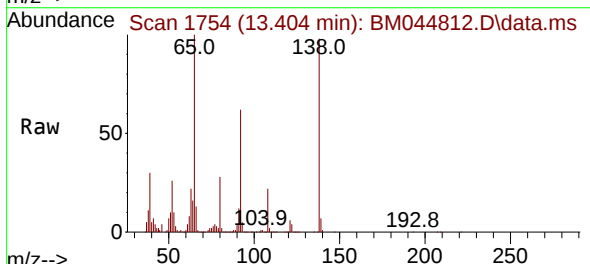
Tgt Ion:162 Resp: 533764  
Ion Ratio Lower Upper  
162 100  
127 39.6 32.6 48.8  
164 32.2 26.0 39.0

Manual Integrations  
APPROVED

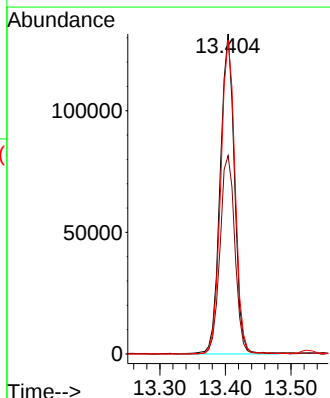
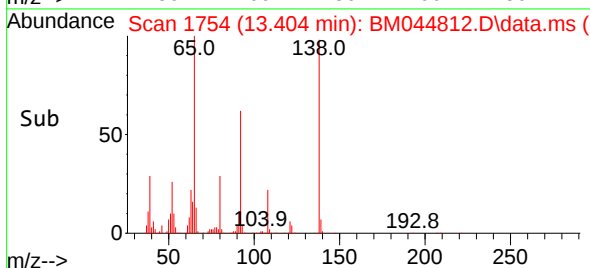
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

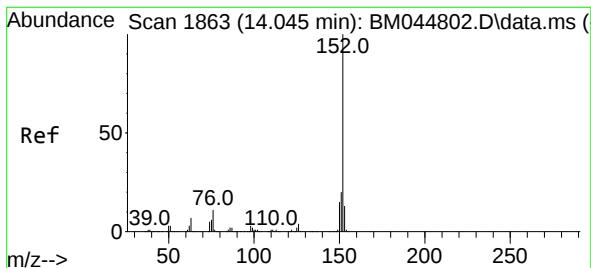


#48  
2-Nitroaniline  
Concen: 51.591 ng  
RT: 13.404 min Scan# 1754  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



Tgt Ion: 65 Resp: 198671  
Ion Ratio Lower Upper  
65 100  
92 62.0 52.4 78.6  
138 98.1 76.9 115.3





#49

Acenaphthylene

Concen: 51.064 ng

RT: 14.033 min Scan# 1861

Delta R.T. -0.012 min

Lab File: BM044812.D

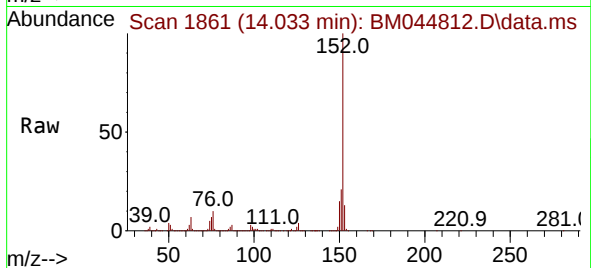
Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS



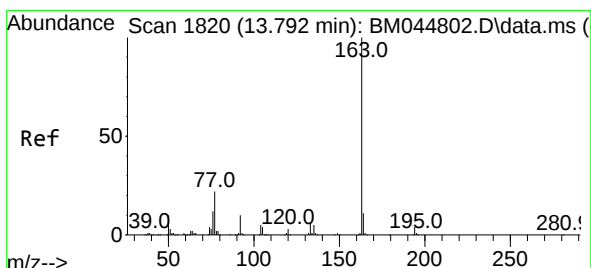
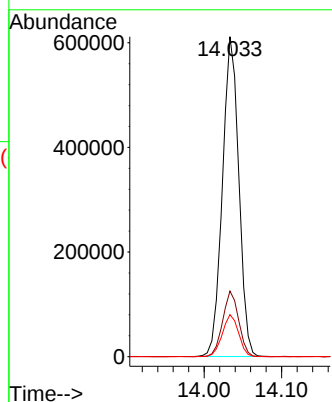
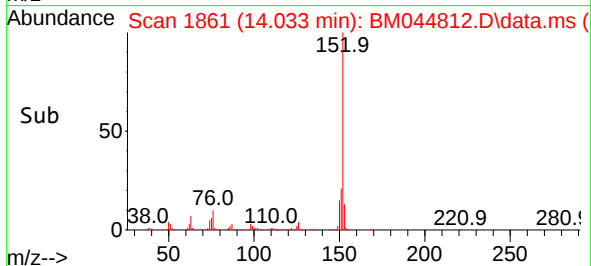
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 89980 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 151       | 20.5  | 16.0  | 24.0  |
| 153       | 13.2  | 10.2  | 15.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#50

Dimethylphthalate

Concen: 50.946 ng

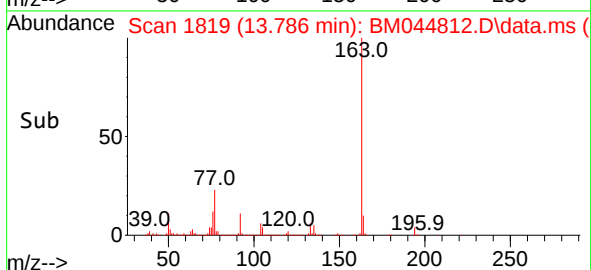
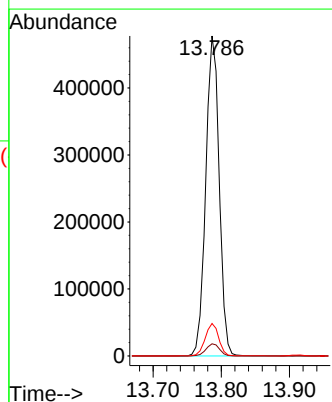
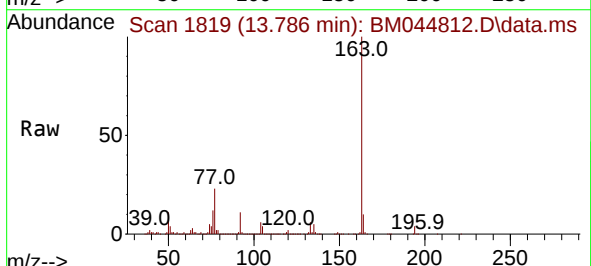
RT: 13.786 min Scan# 1819

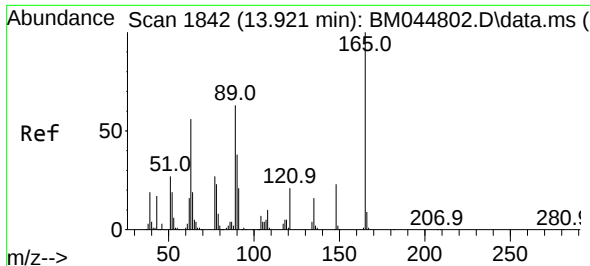
Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

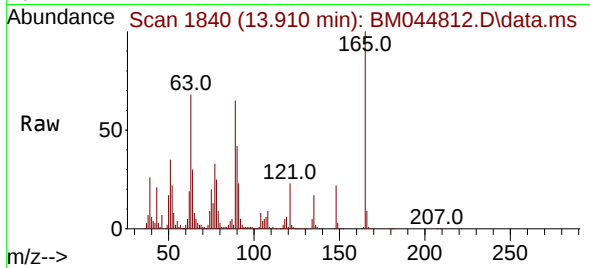
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 163   | Resp: | 654262 |
| Ion Ratio | Lower | Upper |        |
| 163       | 100   |       |        |
| 194       | 3.8   | 3.0   | 4.4    |
| 164       | 10.1  | 8.5   | 12.7   |





#51  
2,6-Dinitrotoluene  
Concen: 51.313 ng  
RT: 13.910 min Scan# 1842  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

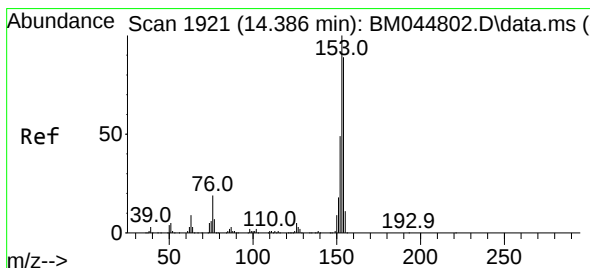
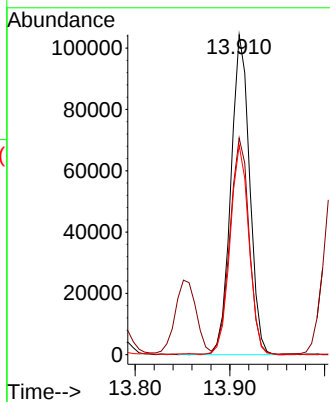
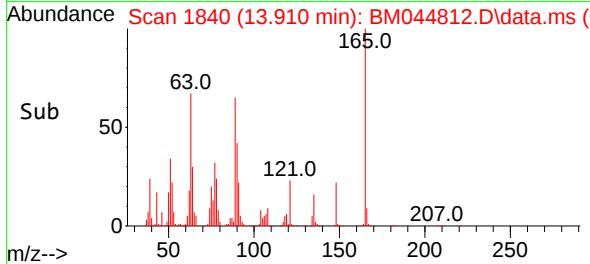
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:165 Resp: 142812  
Ion Ratio Lower Upper  
165 100  
63 67.7 53.8 80.6  
89 65.5 50.4 75.6

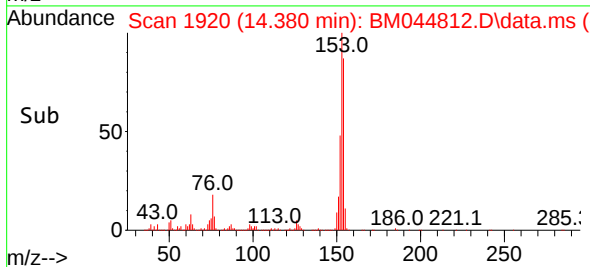
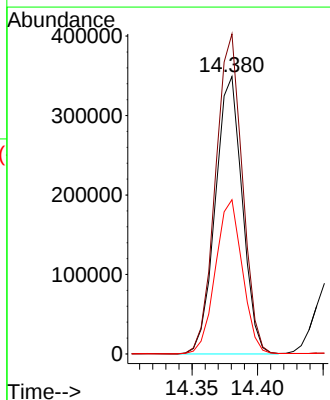
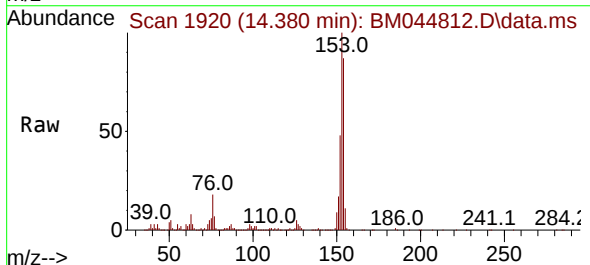
Manual Integrations  
APPROVED

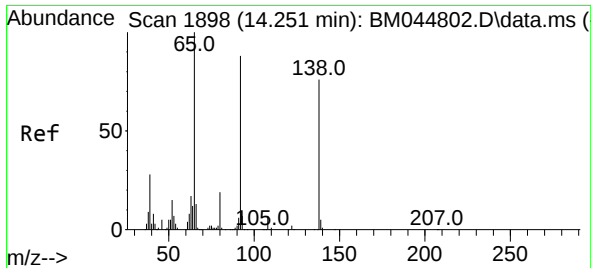
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#52  
Acenaphthene  
Concen: 47.859 ng  
RT: 14.380 min Scan# 1920  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

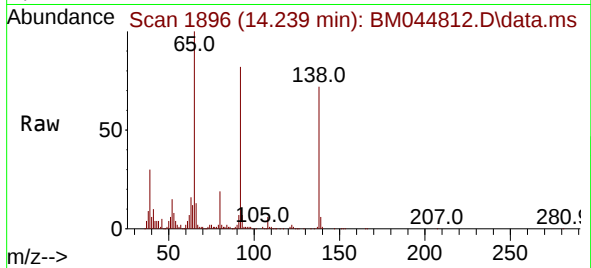
Tgt Ion:154 Resp: 498903  
Ion Ratio Lower Upper  
154 100  
153 115.4 90.2 135.2  
152 55.6 44.2 66.4





#53  
3-Nitroaniline  
Concen: 32.077 ng  
RT: 14.239 min Scan# 1896  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

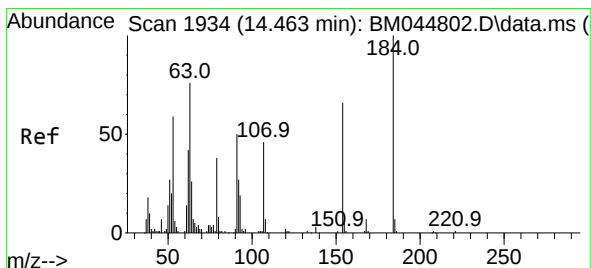
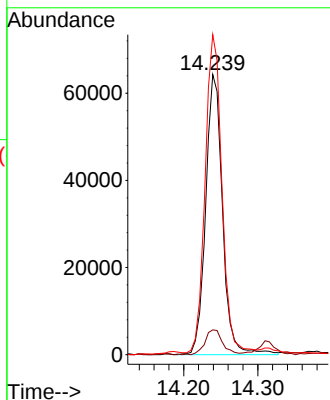
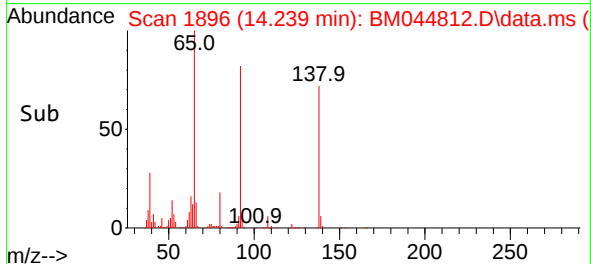
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:138 Resp: 101694  
Ion Ratio Lower Upper  
138 100  
108 8.8 7.6 11.4  
92 114.2 91.6 137.4

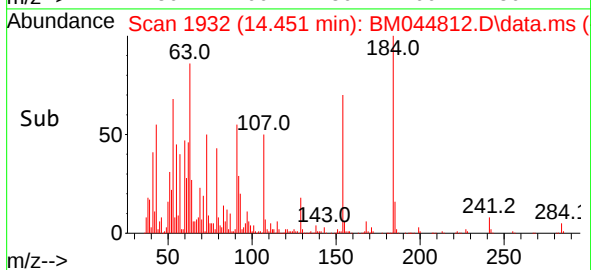
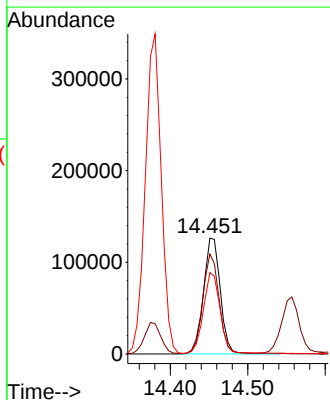
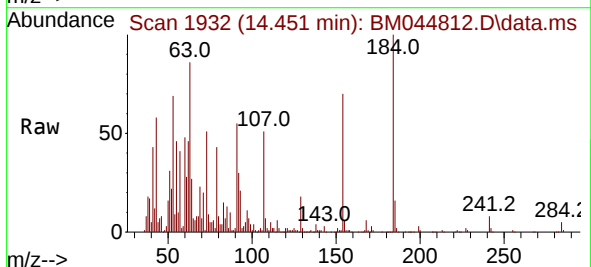
Manual Integrations  
APPROVED

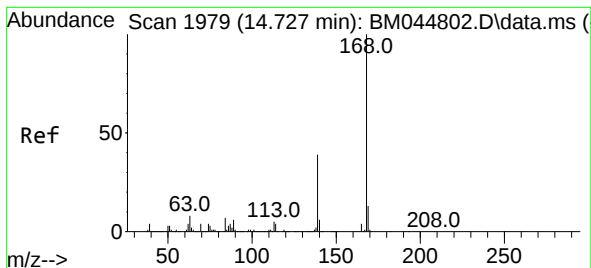
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#54  
2,4-Dinitrophenol  
Concen: 108.222 ng  
RT: 14.451 min Scan# 1932  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:184 Resp: 189315  
Ion Ratio Lower Upper  
184 100  
63 86.3 60.9 91.3  
154 70.4 54.2 81.4





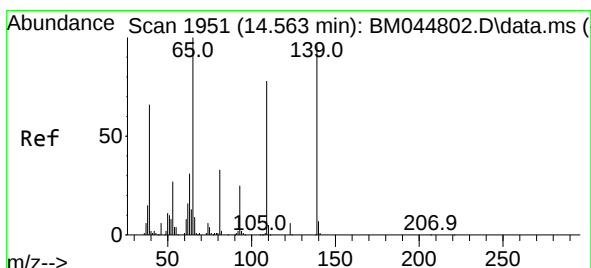
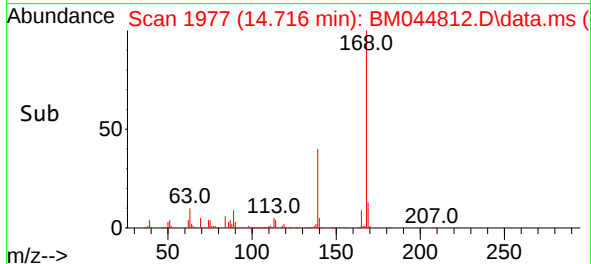
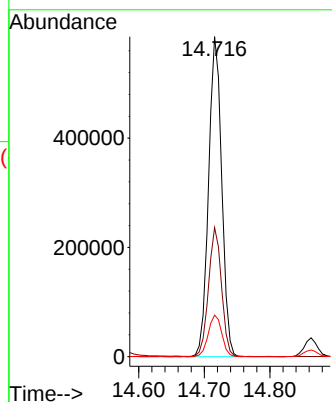
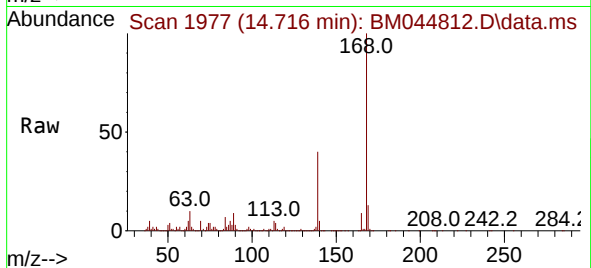
#55  
Dibenzofuran  
Concen: 49.883 ng  
RT: 14.716 min Scan# 1977  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS

Tgt Ion:168 Resp: 81586  
Ion Ratio Lower Upper  
168 100  
139 40.4 31.4 47.0  
169 13.0 10.6 15.8

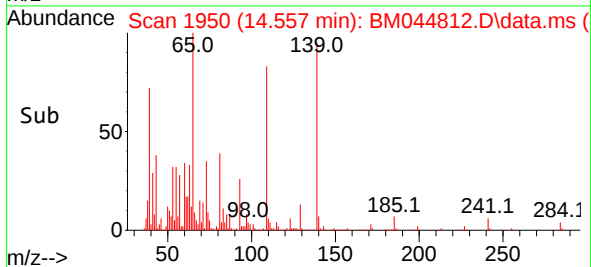
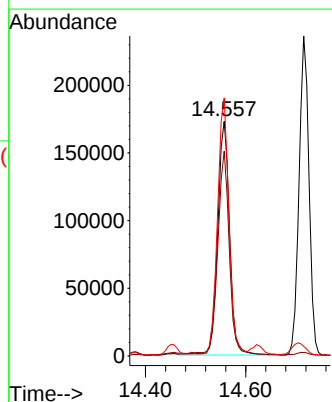
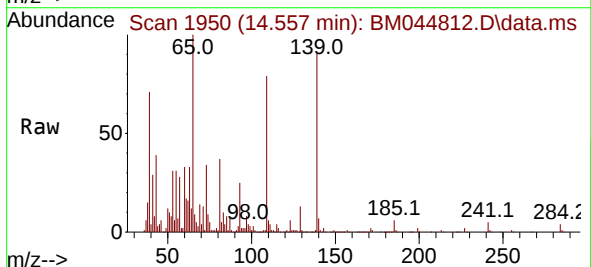
Manual Integrations  
APPROVED

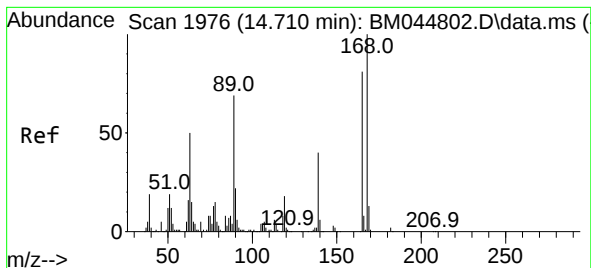
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#56  
4-Nitrophenol  
Concen: 116.264 ng  
RT: 14.557 min Scan# 1950  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

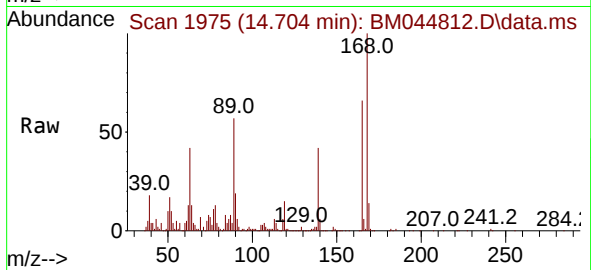
Tgt Ion:139 Resp: 283672  
Ion Ratio Lower Upper  
139 100  
109 87.2 60.6 100.6  
65 109.9 83.8 123.8





#57  
2,4-Dinitrotoluene  
Concen: 59.062 ng  
RT: 14.704 min Scan# 1976  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

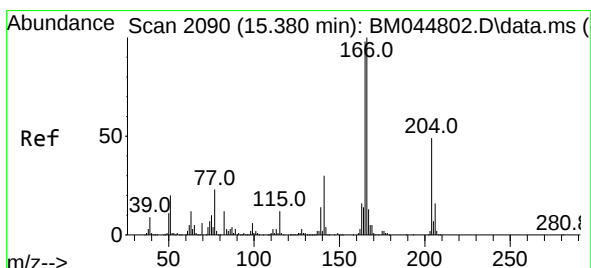
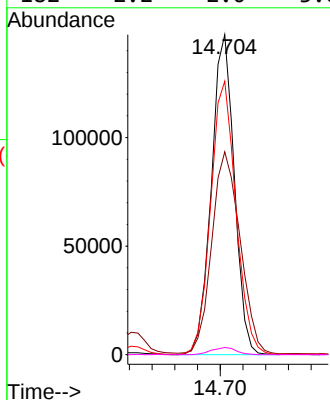
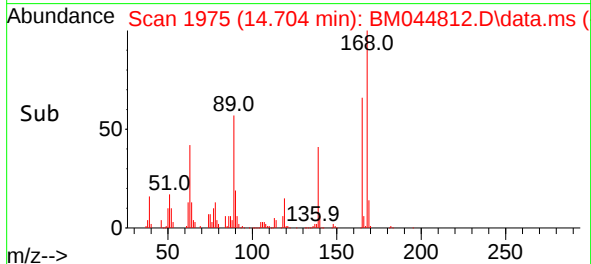
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:165 Resp: 206240  
Ion Ratio Lower Upper  
165 100  
63 63.4 49.9 74.9  
89 85.5 68.6 102.8  
182 2.2 2.0 3.0

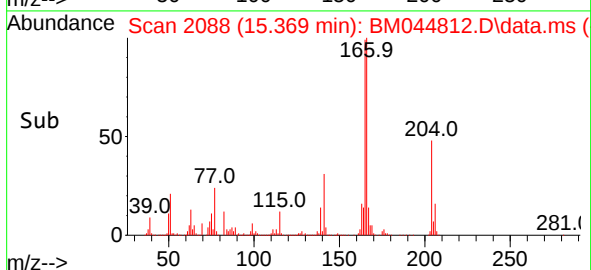
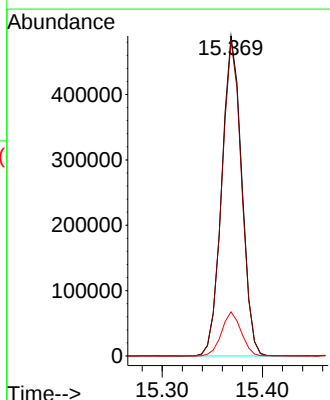
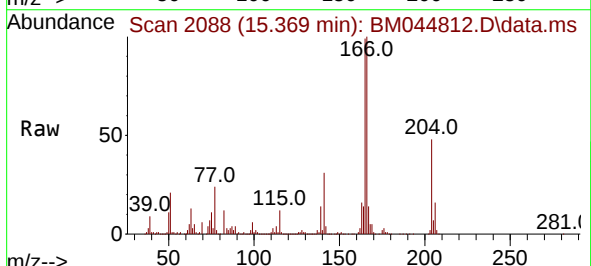
Manual Integrations  
APPROVED

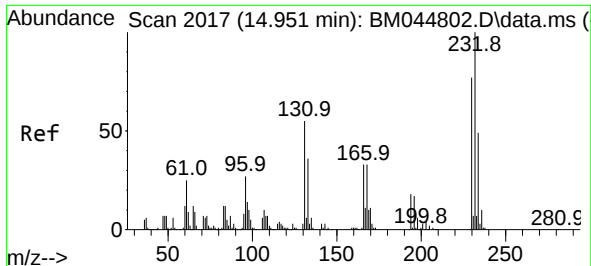
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#58  
Fluorene  
Concen: 53.521 ng  
RT: 15.369 min Scan# 2088  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:166 Resp: 672684  
Ion Ratio Lower Upper  
166 100  
165 98.6 78.6 117.8  
167 13.8 10.8 16.2





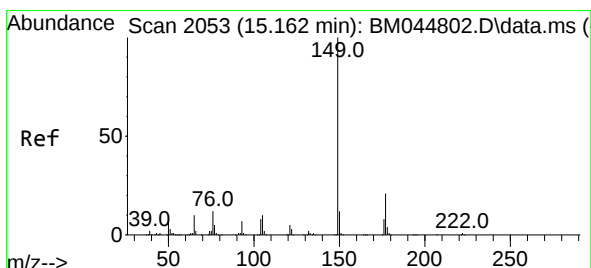
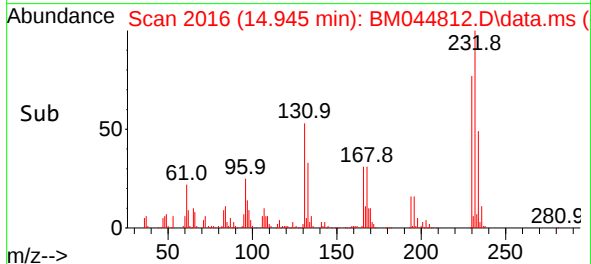
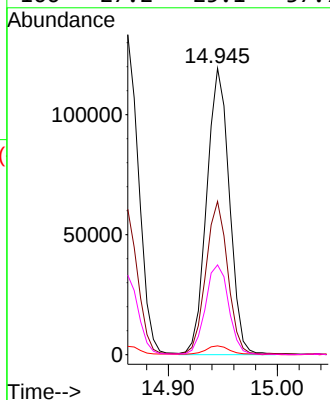
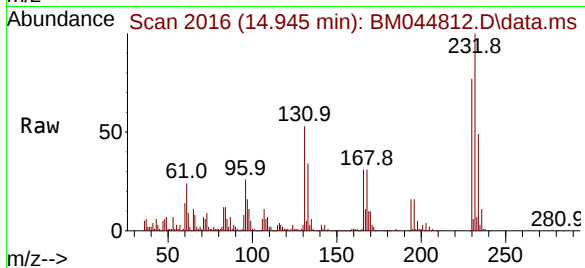
#59  
2,3,4,6-Tetrachlorophenol  
Concen: 55.073 ng m  
RT: 14.945 min Scan# 2016  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS

Tgt Ion:232 Resp: 17301  
Ion Ratio Lower Upper  
232 100  
131 48.5 42.0 63.0  
130 3.2 2.2 3.2  
166 27.2 25.1 37.7

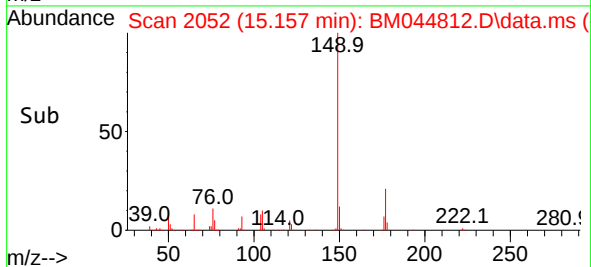
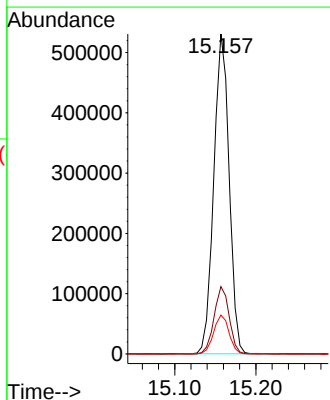
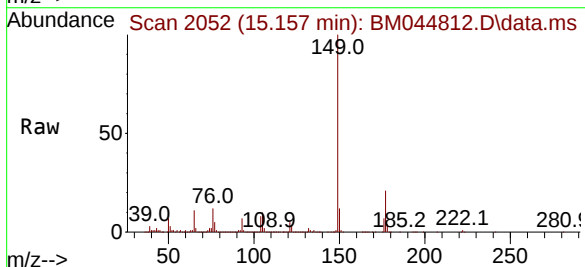
Manual Integrations  
APPROVED

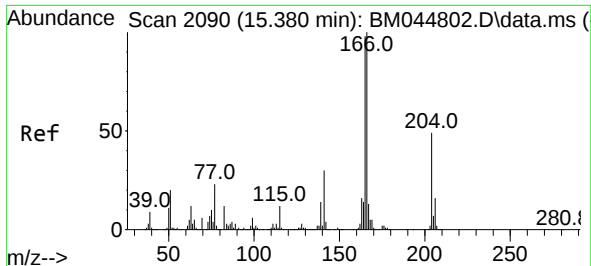
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#60  
Diethylphthalate  
Concen: 57.796 ng  
RT: 15.157 min Scan# 2052  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:149 Resp: 696861  
Ion Ratio Lower Upper  
149 100  
177 21.0 16.4 24.6  
150 12.1 9.8 14.8





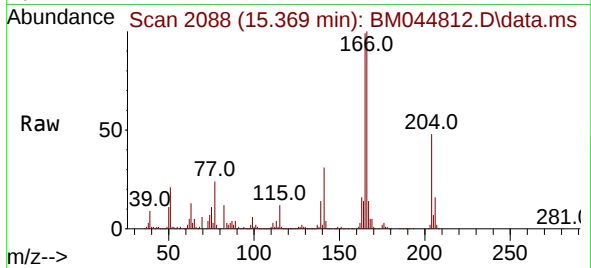
#61  
4-Chlorophenyl-phenylether  
Concen: 51.686 ng  
RT: 15.369 min Scan# 2088  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

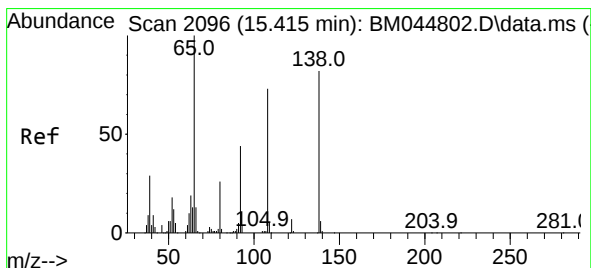
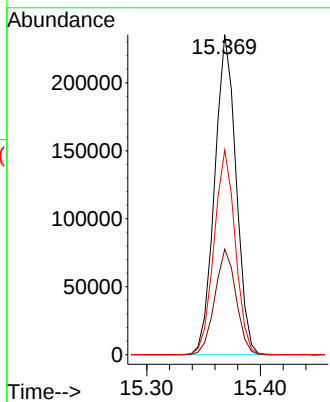
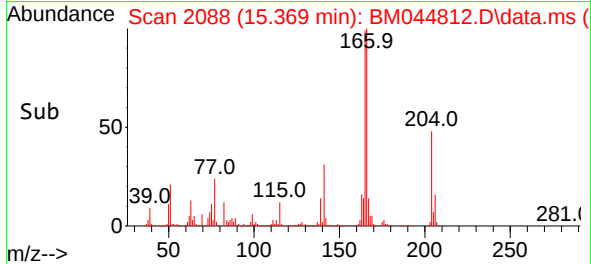


Tgt Ion:204 Resp: 308250  
Ion Ratio Lower Upper  
204 100  
206 33.0 25.5 38.3  
141 63.9 49.5 74.3

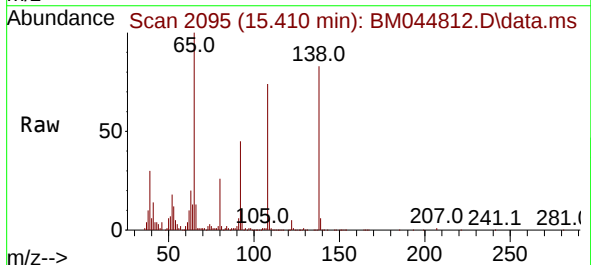
Manual Integrations

APPROVED

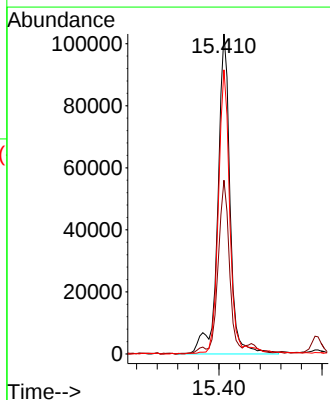
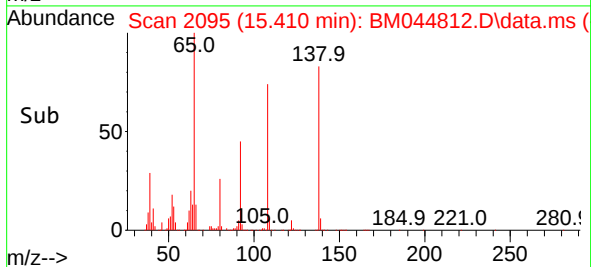
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

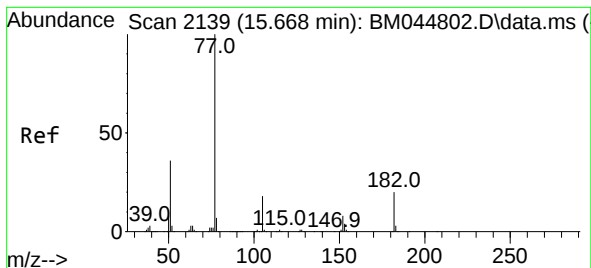


#62  
4-Nitroaniline  
Concen: 56.240 ng m  
RT: 15.410 min Scan# 2095  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



Tgt Ion:138 Resp: 171231  
Ion Ratio Lower Upper  
138 100  
92 54.3 34.4 74.4  
108 88.8 68.8 108.8





#63

Azobenzene

Concen: 56.619 ng

RT: 15.663 min Scan# 2139

Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

Tgt Ion: 77 Resp: 760744

Ion Ratio Lower Upper

77 100

182 21.5 0.3 40.3

105 18.2 0.0 38.4

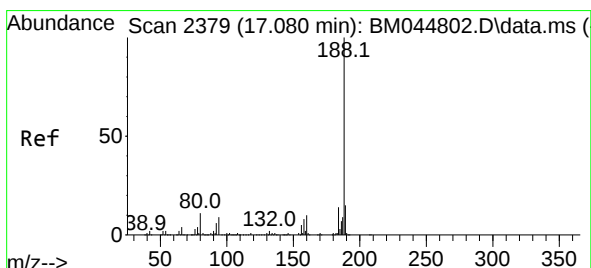
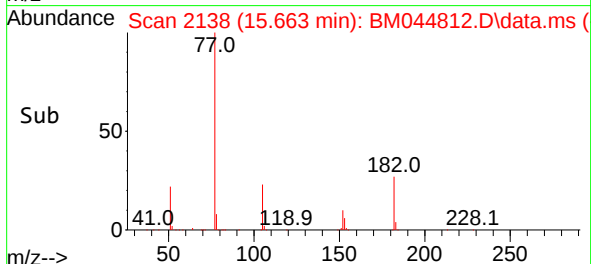
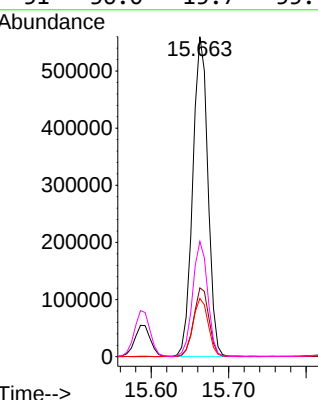
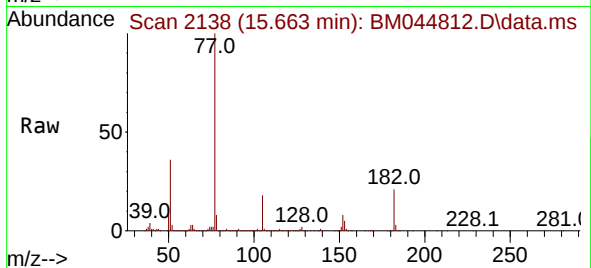
51 36.0 15.7 55.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.068 min Scan# 2377

Delta R.T. -0.012 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

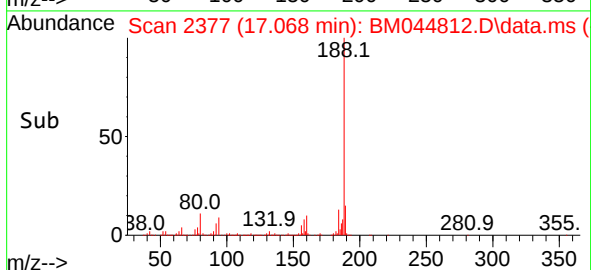
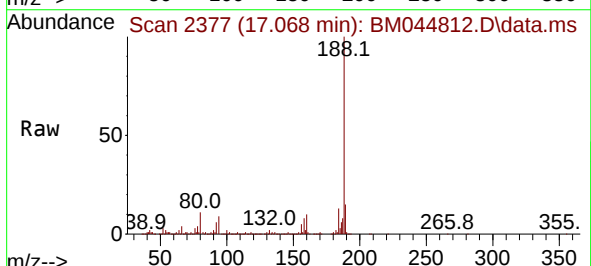
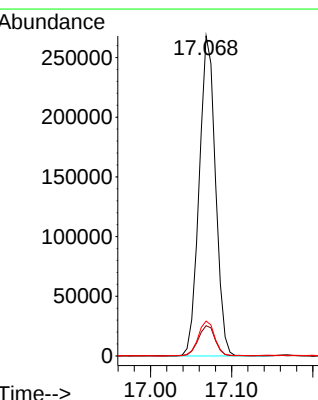
Tgt Ion:188 Resp: 373513

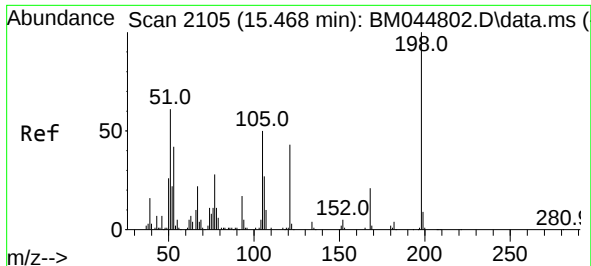
Ion Ratio Lower Upper

188 100

94 9.5 7.4 11.0

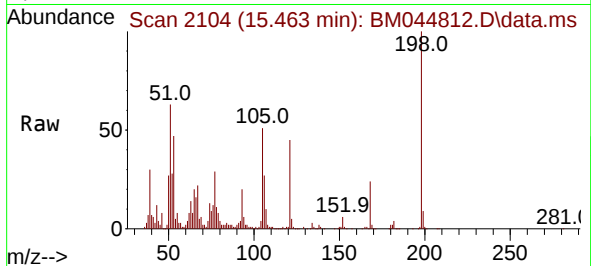
80 10.9 8.6 12.8





#65  
4,6-Dinitro-2-methylphenol  
Concen: 51.097 ng  
RT: 15.463 min Scan# 2104  
Delta R.T. -0.005 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

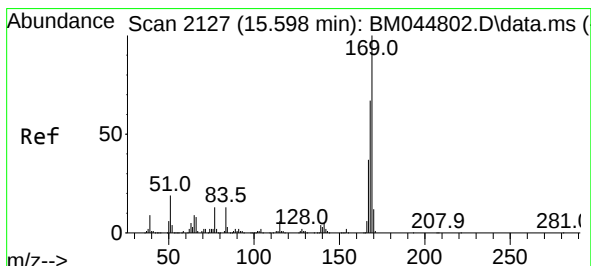
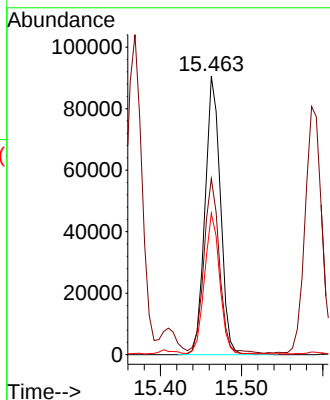
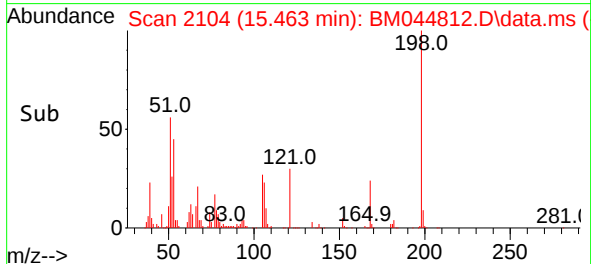
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:198 Resp: 118774  
Ion Ratio Lower Upper  
198 100  
51 63.2 44.2 84.2  
105 50.8 30.9 70.9

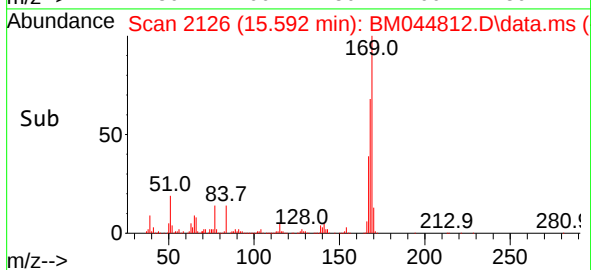
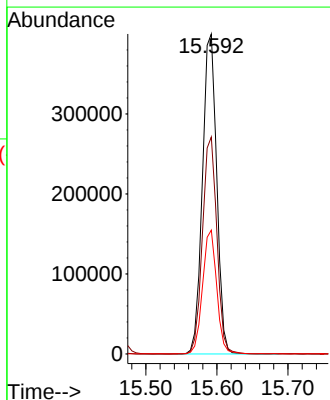
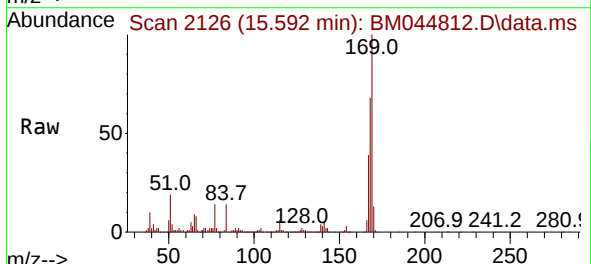
Manual Integrations  
APPROVED

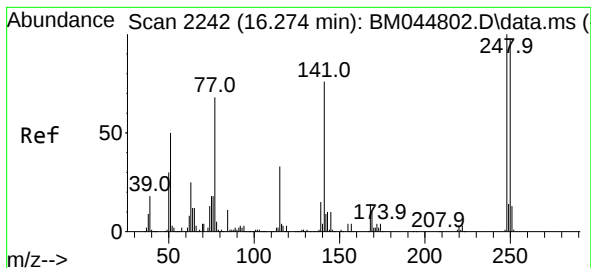
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#66  
n-Nitrosodiphenylamine  
Concen: 45.175 ng  
RT: 15.592 min Scan# 2126  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:169 Resp: 559350  
Ion Ratio Lower Upper  
169 100  
168 67.8 53.4 80.2  
167 38.7 29.4 44.2





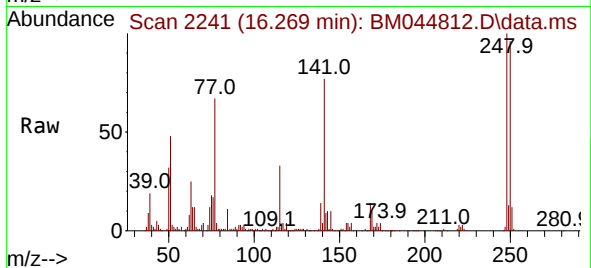
#67  
4-Bromophenyl-phenylether  
Concen: 46.625 ng  
RT: 16.269 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

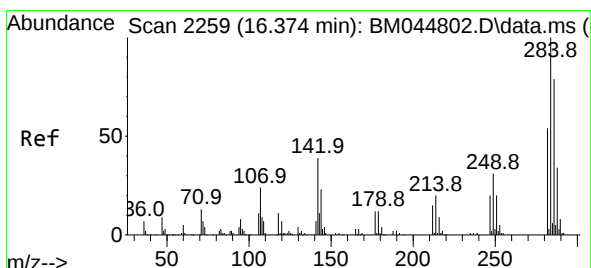
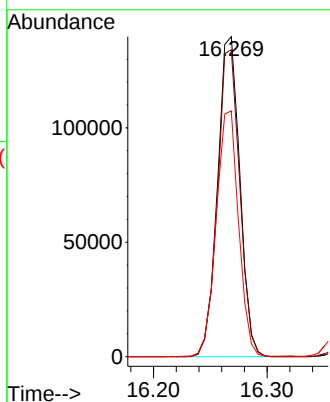
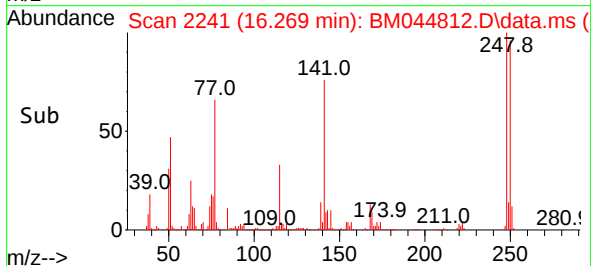


Tgt Ion:248 Resp: 190640  
Ion Ratio Lower Upper  
248 100  
250 95.9 77.7 116.5  
141 76.8 60.7 91.1

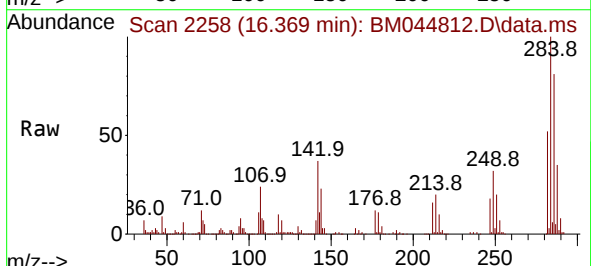
Manual Integrations

APPROVED

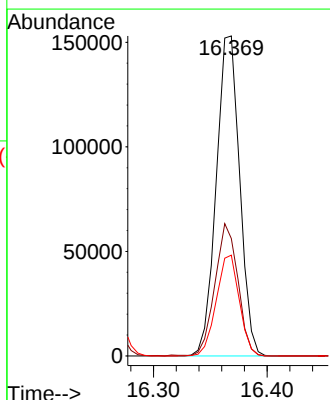
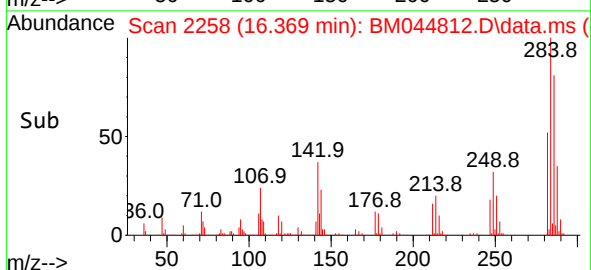
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

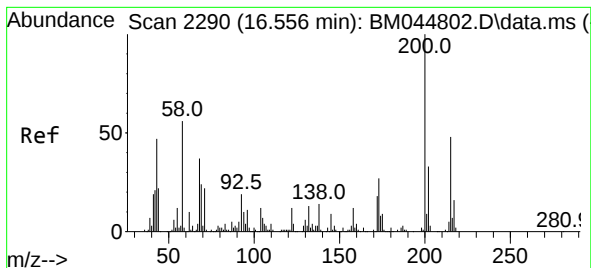


#68  
Hexachlorobenzene  
Concen: 49.571 ng  
RT: 16.369 min Scan# 2258  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



Tgt Ion:284 Resp: 219395  
Ion Ratio Lower Upper  
284 100  
142 36.7 31.0 46.4  
249 31.5 24.6 37.0





#69

Atrazine

Concen: 56.250 ng

RT: 16.557 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM044812.D

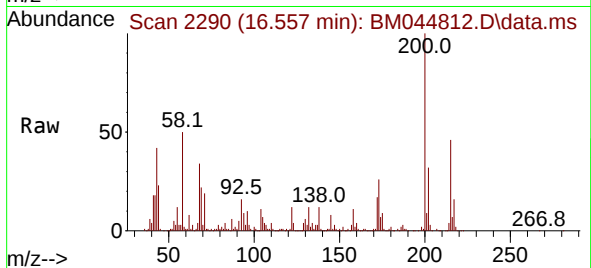
Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS



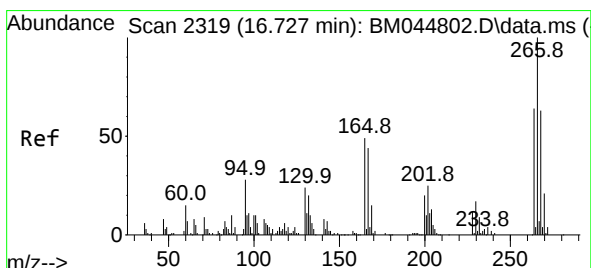
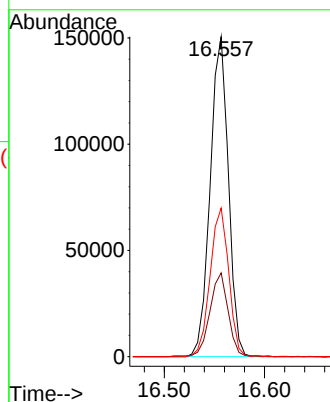
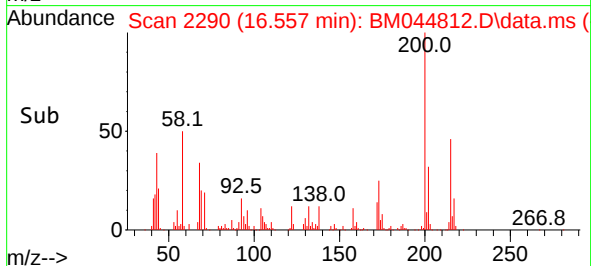
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 200   | Resp: | 190350 |
| Ion Ratio | Lower | Upper |        |
| 200       | 100   |       |        |
| 173       | 26.2  | 7.5   | 47.5   |
| 215       | 46.4  | 28.4  | 68.4   |

Manual Integrations

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Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#70

Pentachlorophenol

Concen: 111.308 ng

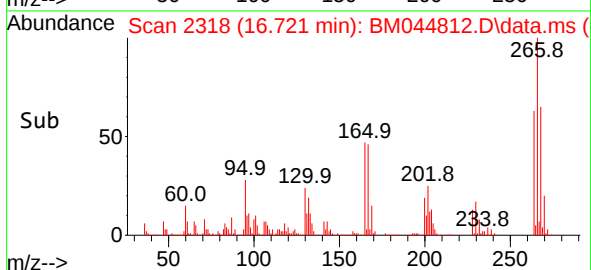
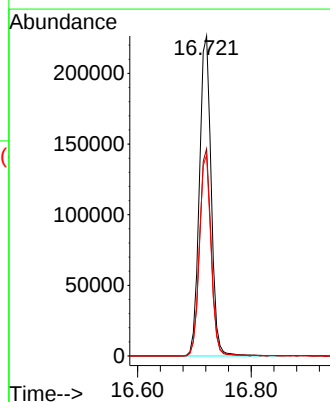
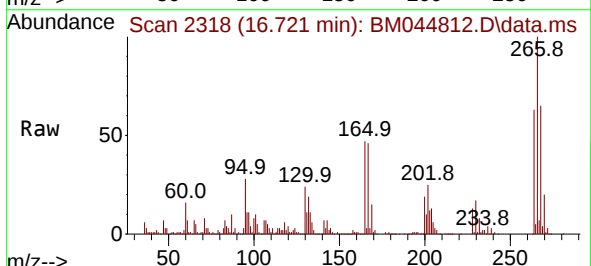
RT: 16.721 min Scan# 2318

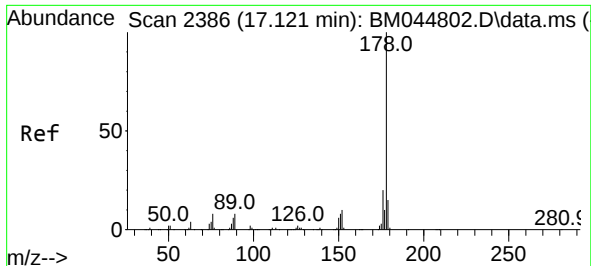
Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

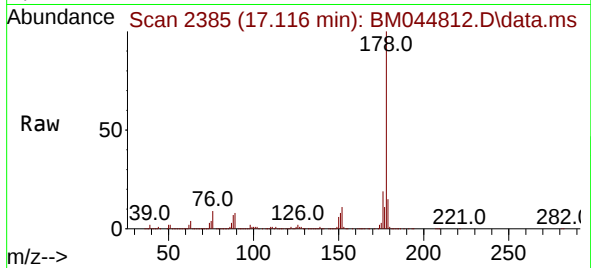
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 266   | Resp: | 326064 |
| Ion Ratio | Lower | Upper |        |
| 266       | 100   |       |        |
| 268       | 64.7  | 50.6  | 75.8   |
| 264       | 62.8  | 51.3  | 76.9   |





#71  
Phenanthrene  
Concen: 48.984 ng  
RT: 17.116 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

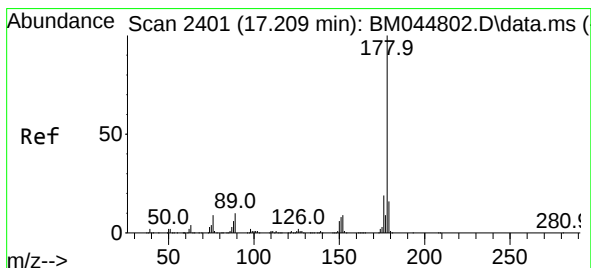
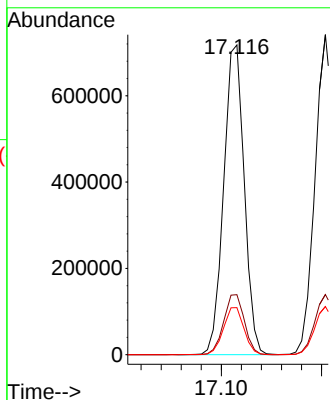
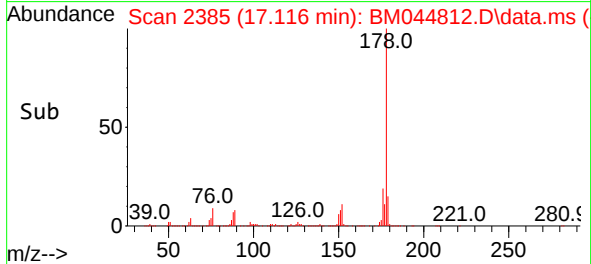
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



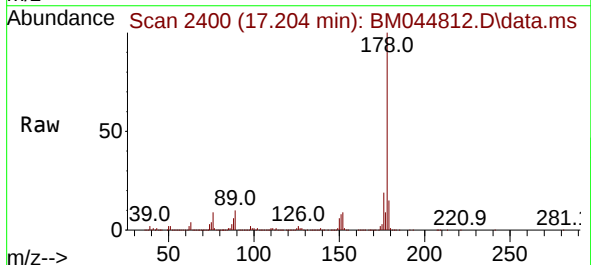
Tgt Ion:178 Resp: 1020738  
Ion Ratio Lower Upper  
178 100  
176 19.4 16.0 24.0  
179 15.2 12.2 18.2

Manual Integrations  
APPROVED

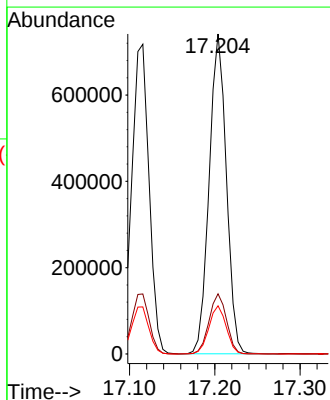
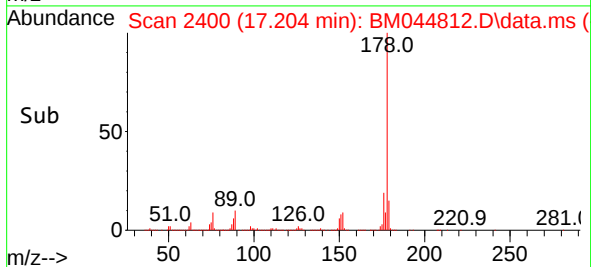
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

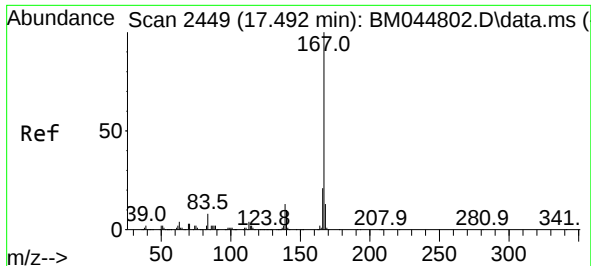


#72  
Anthracene  
Concen: 49.344 ng  
RT: 17.204 min Scan# 2400  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



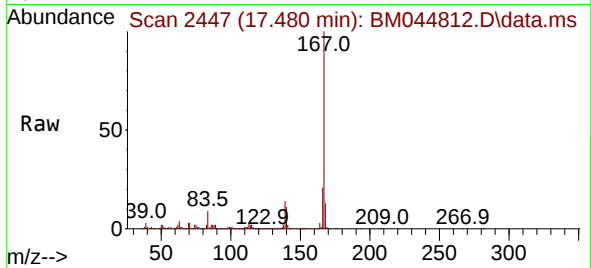
Tgt Ion:178 Resp: 1038577  
Ion Ratio Lower Upper  
178 100  
176 18.8 15.4 23.0  
179 15.1 12.8 19.2





#73  
 Carbazole  
 Concen: 54.012 ng  
 RT: 17.480 min Scan# 2447  
 Delta R.T. -0.012 min  
 Lab File: BM044812.D  
 Acq: 29 Mar 2024 11:58

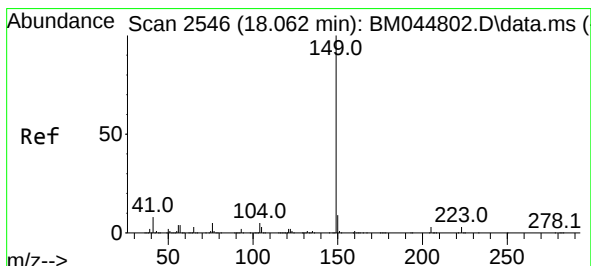
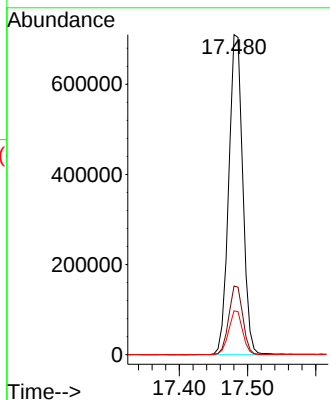
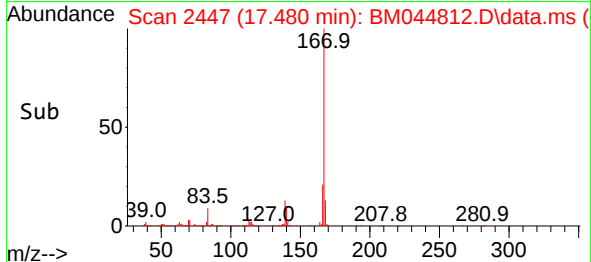
Instrument :  
 BNA\_M  
 ClientSampleId :  
 SOIL-1MS



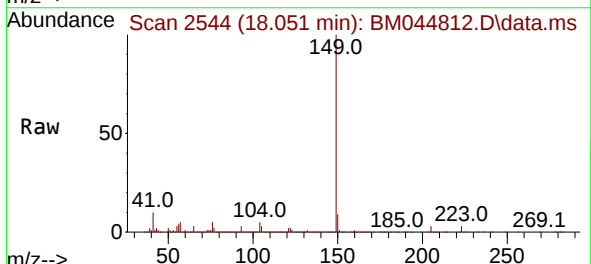
Tgt Ion:167 Resp: 1015120  
 Ion Ratio Lower Upper  
 167 100  
 166 21.4 17.0 25.6  
 139 13.7 10.6 16.0

Manual Integrations  
 APPROVED

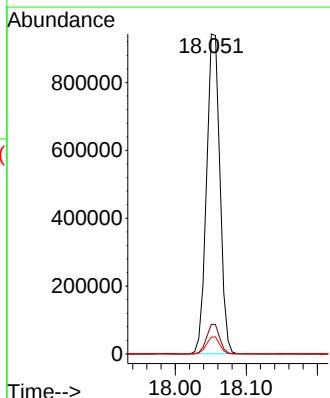
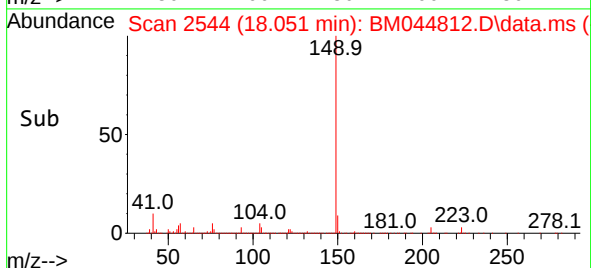
Reviewed By :Yogesh Patel 03/30/2024  
 Supervised By :mohammad ahmed 03/30/2024

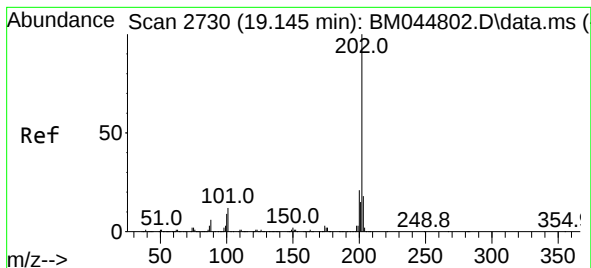


#74  
 Di-n-butylphthalate  
 Concen: 59.708 ng  
 RT: 18.051 min Scan# 2544  
 Delta R.T. -0.012 min  
 Lab File: BM044812.D  
 Acq: 29 Mar 2024 11:58



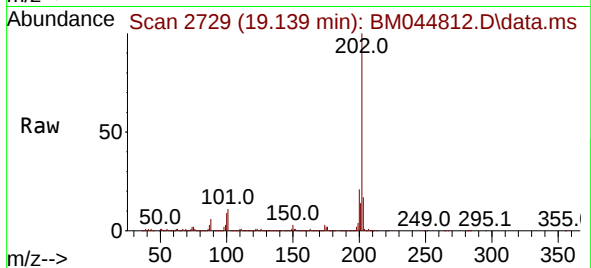
Tgt Ion:149 Resp: 1232407  
 Ion Ratio Lower Upper  
 149 100  
 150 9.2 7.1 10.7  
 104 5.2 4.2 6.4





#75  
Fluoranthene  
Concen: 58.306 ng  
RT: 19.139 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

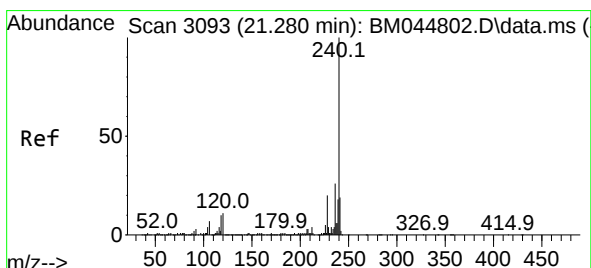
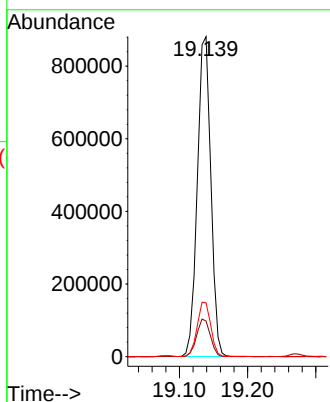
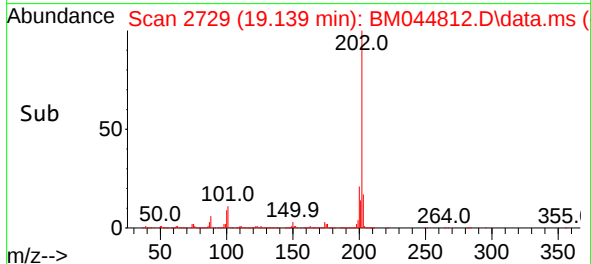
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



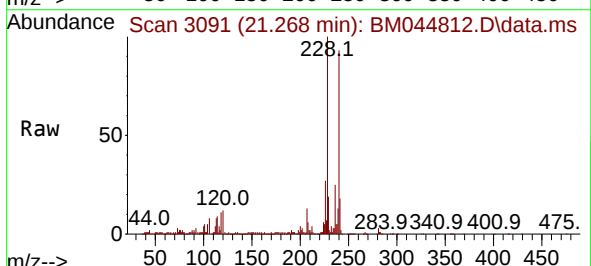
Tgt Ion:202 Resp: 1212794  
Ion Ratio Lower Upper  
202 100  
101 11.2 0.0 32.2  
203 16.9 0.0 37.6

Manual Integrations  
APPROVED

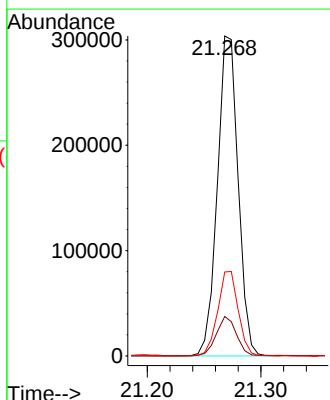
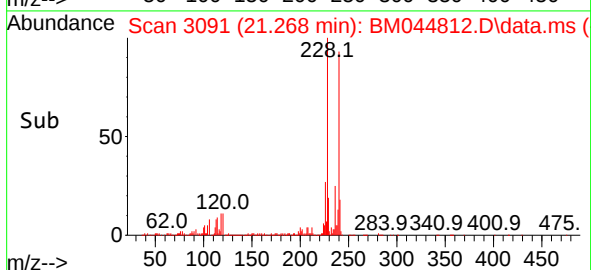
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

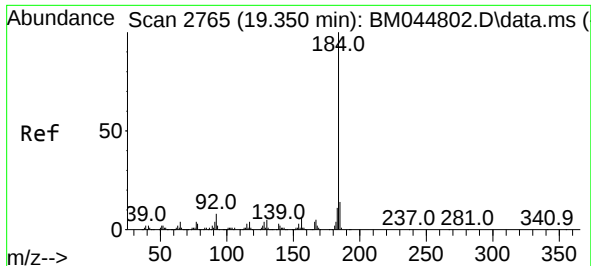


#76  
Chrysene-d12  
Concen: 20.000 ng  
RT: 21.268 min Scan# 3091  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



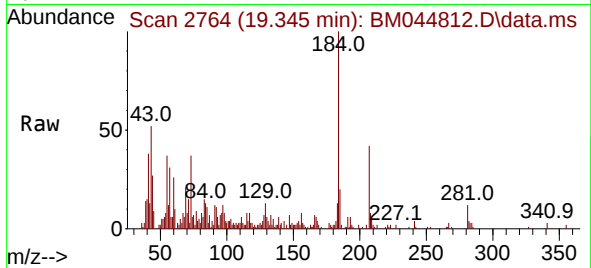
Tgt Ion:240 Resp: 386457  
Ion Ratio Lower Upper  
240 100  
120 12.3 8.6 12.8  
236 26.3 20.8 31.2





#77  
Benzidine  
Concen: 4.186 ng m  
RT: 19.345 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

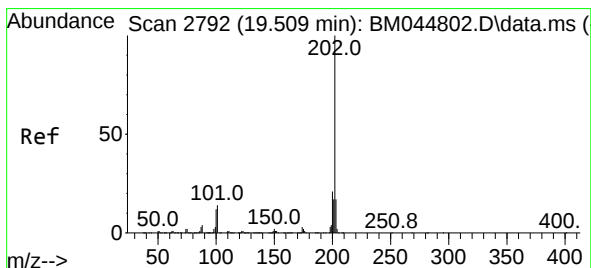
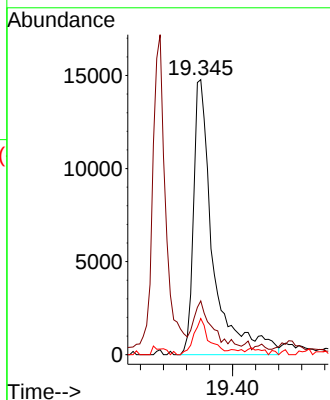
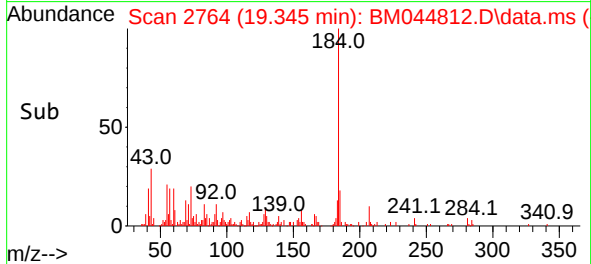
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:184 Resp: 34870  
Ion Ratio Lower Upper  
184 100  
185 19.5 11.2 16.8  
183 13.2 9.0 13.6

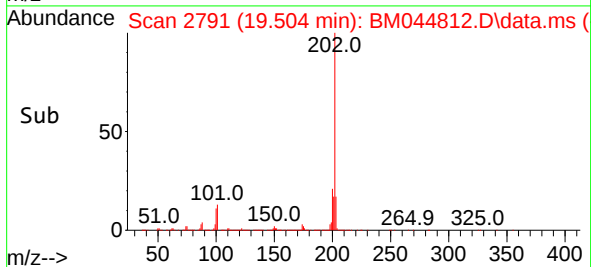
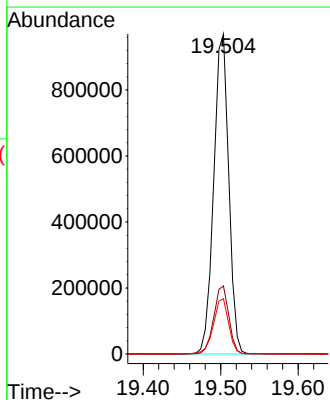
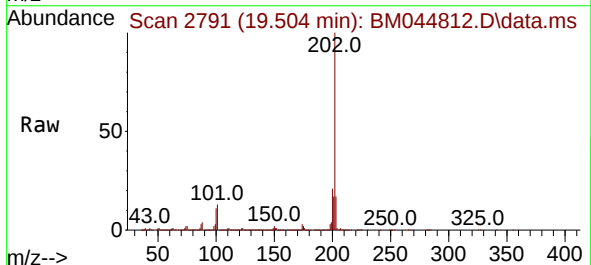
Manual Integrations  
APPROVED

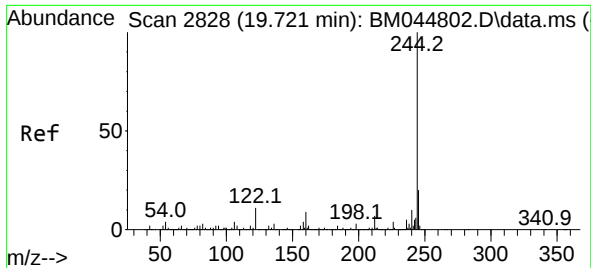
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#78  
Pyrene  
Concen: 42.296 ng  
RT: 19.504 min Scan# 2791  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

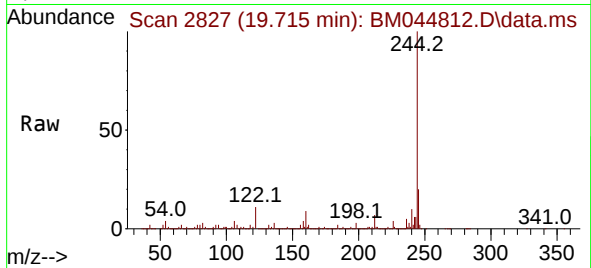
Tgt Ion:202 Resp: 1302508  
Ion Ratio Lower Upper  
202 100  
200 21.2 17.0 25.4  
203 17.3 13.9 20.9





#79  
Terphenyl-d14  
Concen: 88.292 ng  
RT: 19.715 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

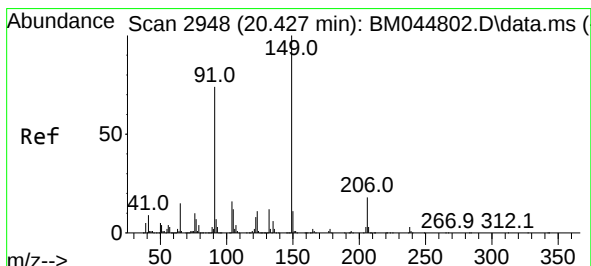
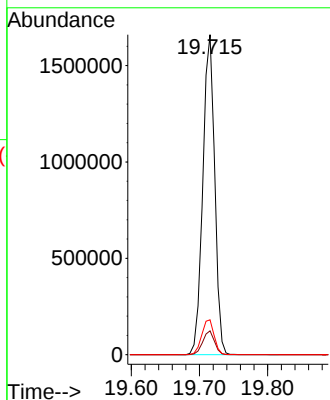
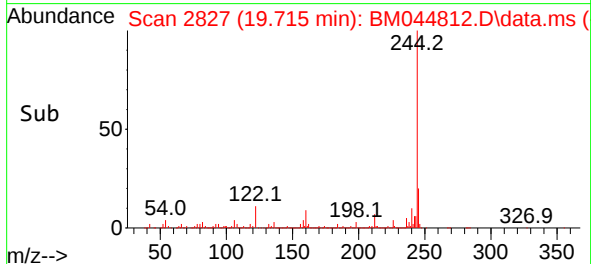
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



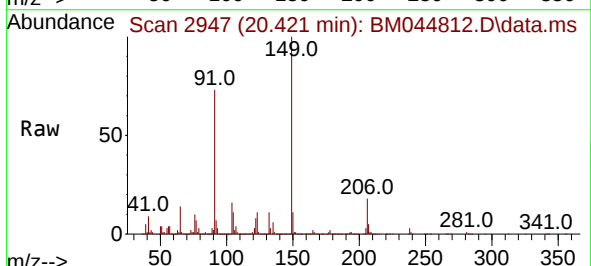
Tgt Ion:244 Resp: 201338  
Ion Ratio Lower Upper  
244 100  
212 7.5 5.8 8.8  
122 10.9 8.8 13.2

Manual Integrations  
APPROVED

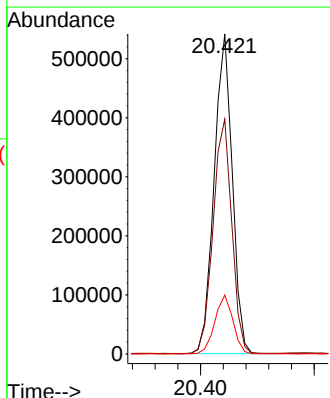
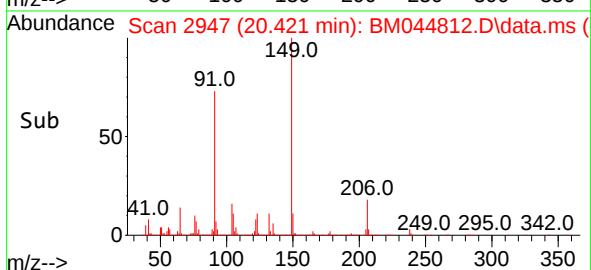
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024

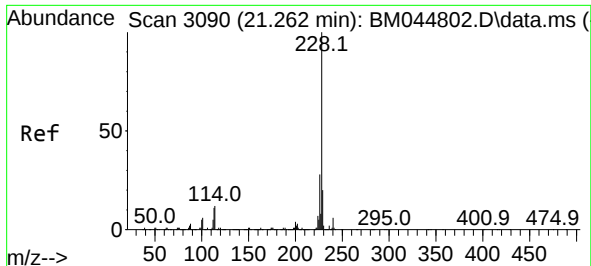


#80  
Butylbenzylphthalate  
Concen: 53.634 ng  
RT: 20.421 min Scan# 2947  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58



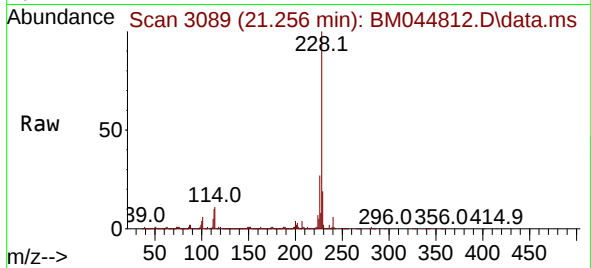
Tgt Ion:149 Resp: 600698  
Ion Ratio Lower Upper  
149 100  
91 73.4 59.5 89.3  
206 18.4 14.6 21.8





#81  
Benzo(a)anthracene  
Concen: 49.769 ng  
RT: 21.256 min Scan# 3079  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

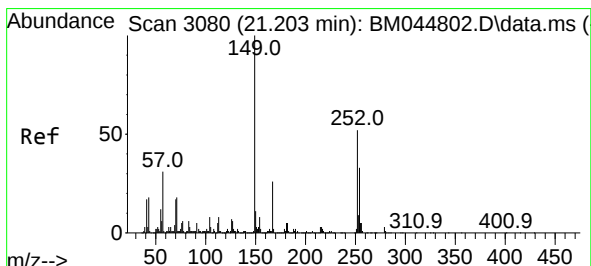
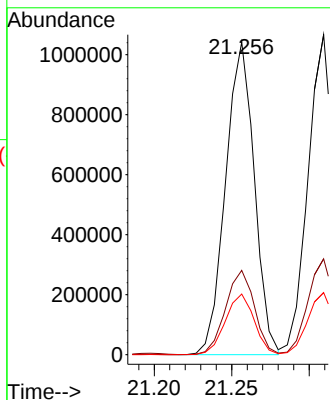
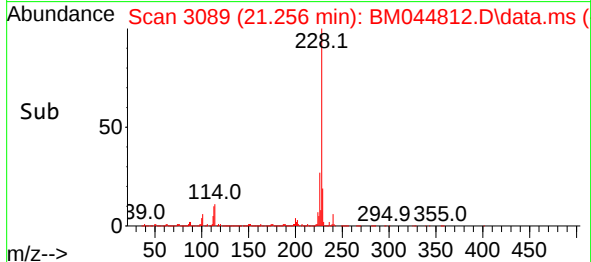
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:228 Resp: 134068  
Ion Ratio Lower Upper  
228 100  
226 27.0 22.1 33.1  
229 19.4 15.8 23.8

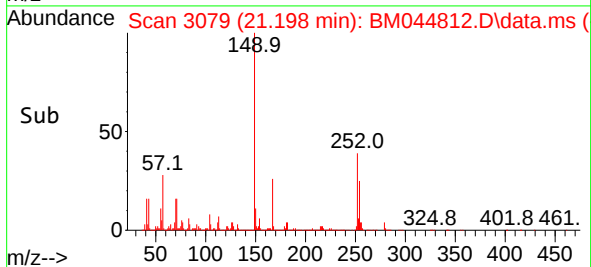
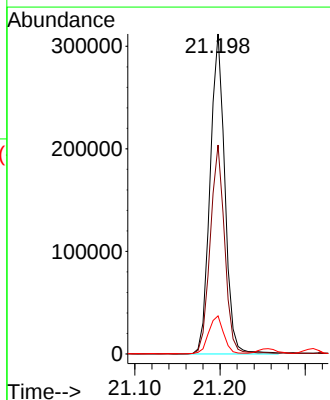
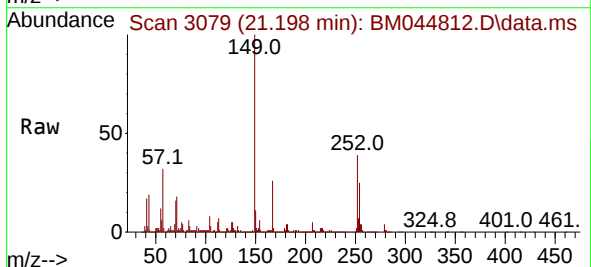
Manual Integrations  
APPROVED

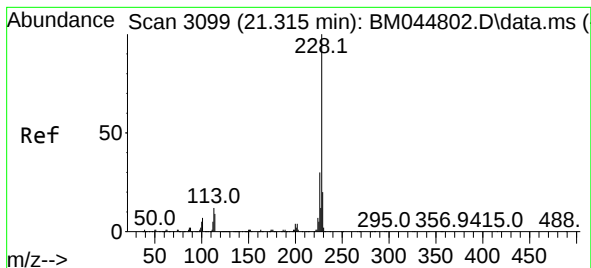
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#82  
3,3'-Dichlorobenzidine  
Concen: 40.122 ng  
RT: 21.198 min Scan# 3079  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:252 Resp: 374788  
Ion Ratio Lower Upper  
252 100  
254 65.3 51.0 76.4  
126 11.9 10.0 15.0





#83

Chrysene

Concen: 49.445 ng

RT: 21.309 min Scan# 3099

Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

Tgt Ion:228 Resp: 127660

Ion Ratio Lower Upper

228 100

226 30.0 23.7 35.5

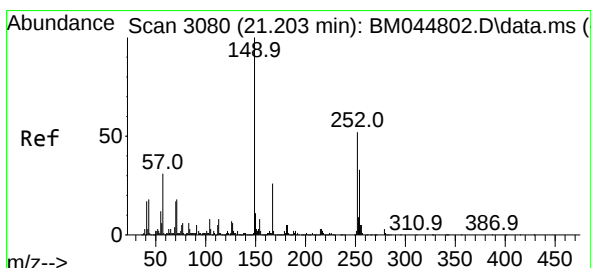
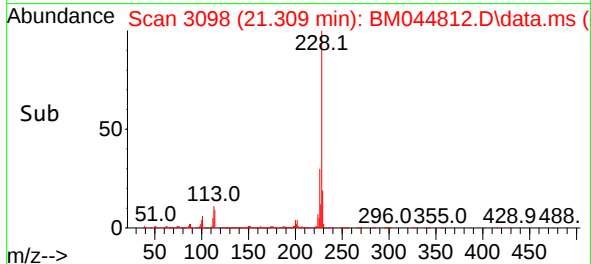
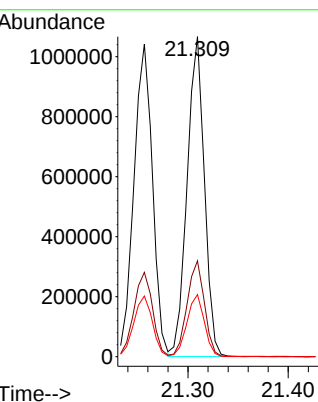
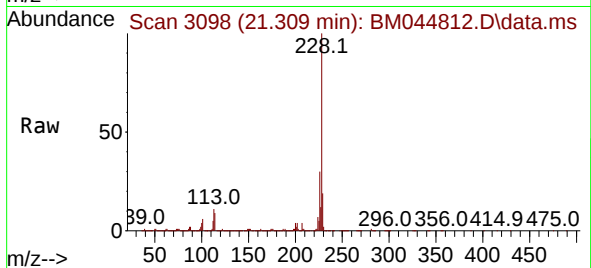
229 19.4 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.258 ng

RT: 21.198 min Scan# 3079

Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

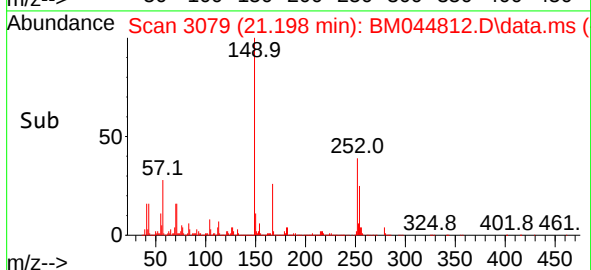
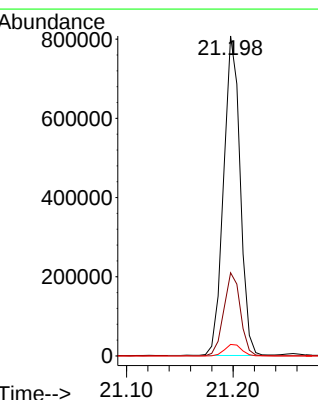
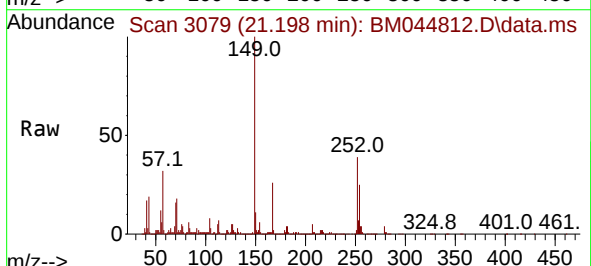
Tgt Ion:149 Resp: 874105

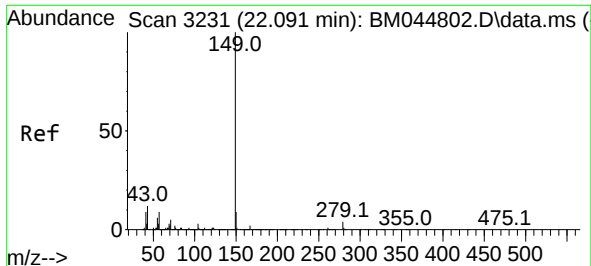
Ion Ratio Lower Upper

149 100

167 26.0 20.5 30.7

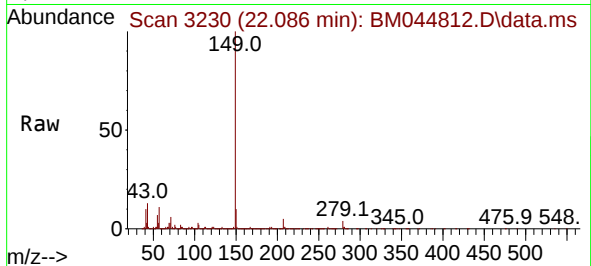
279 3.6 2.7 4.1





#85  
Di-n-octyl phthalate  
Concen: 61.247 ng  
RT: 22.086 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

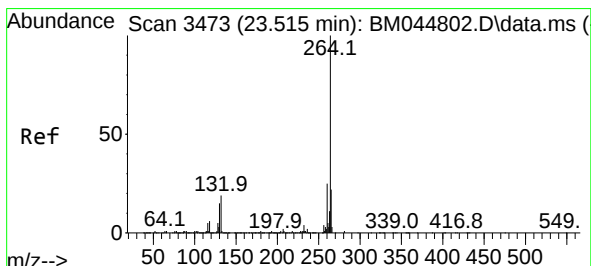
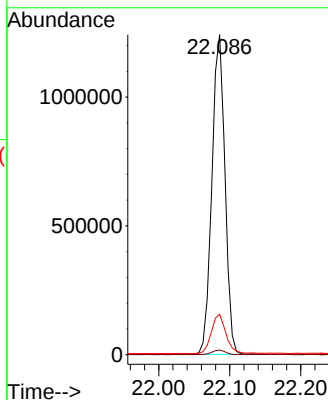
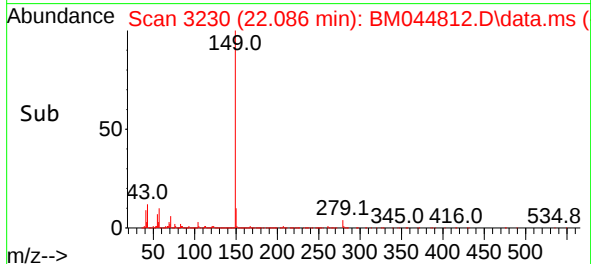
Instrument :  
BNA\_M  
ClientSampleId :  
SOIL-1MS



Tgt Ion:149 Resp: 1582209  
Ion Ratio Lower Upper  
149 100  
167 1.5 1.3 1.9  
43 13.8 9.3 13.9

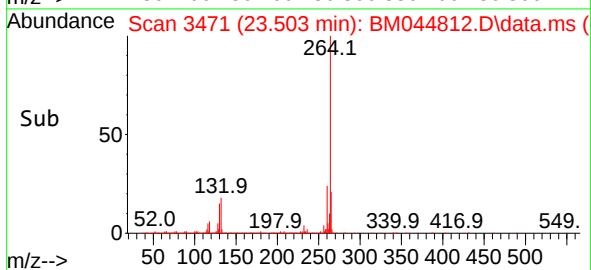
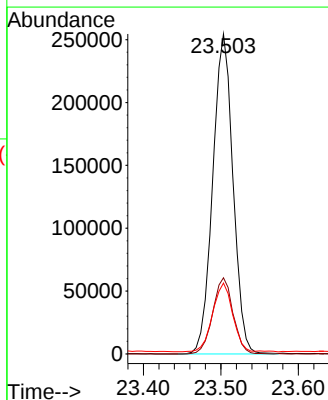
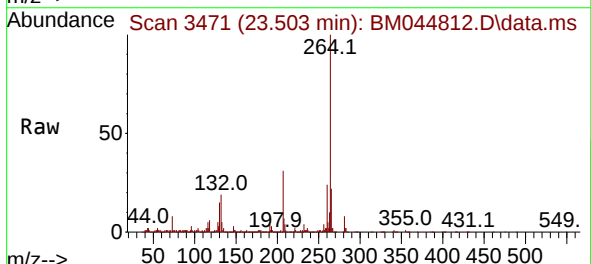
Manual Integrations  
APPROVED

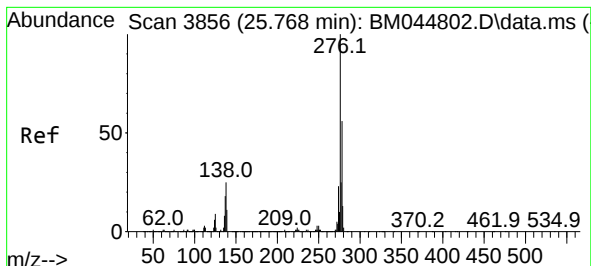
Reviewed By :Yogesh Patel 03/30/2024  
Supervised By :mohammad ahmed 03/30/2024



#86  
Perylene-d12  
Concen: 20.000 ng  
RT: 23.503 min Scan# 3471  
Delta R.T. -0.012 min  
Lab File: BM044812.D  
Acq: 29 Mar 2024 11:58

Tgt Ion:264 Resp: 461935  
Ion Ratio Lower Upper  
264 100  
260 23.8 19.7 29.5  
265 22.2 18.9 28.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.950 ng

RT: 25.768 min Scan# 3856

Delta R.T. 0.000 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

Tgt Ion:276 Resp: 1787818

Ion Ratio Lower Upper

276 100

138 26.8 22.2 33.2

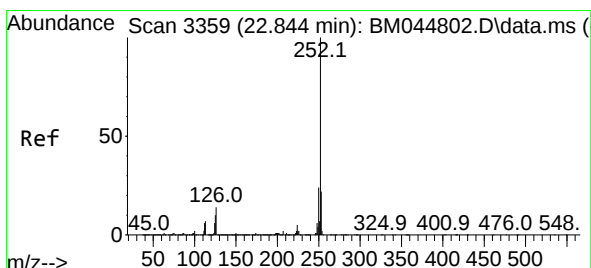
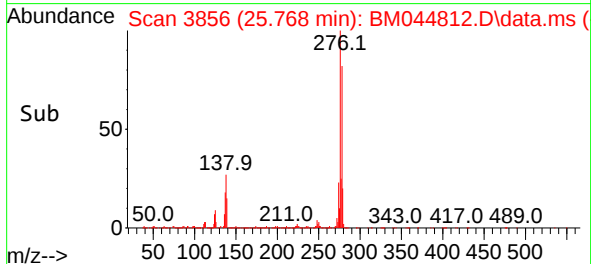
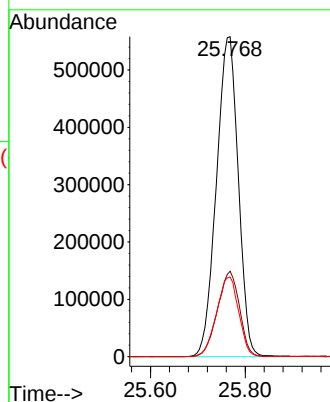
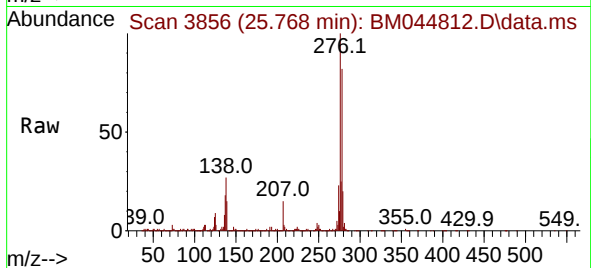
277 25.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#88

Benzo(b)fluoranthene

Concen: 54.756 ng

RT: 22.839 min Scan# 3358

Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

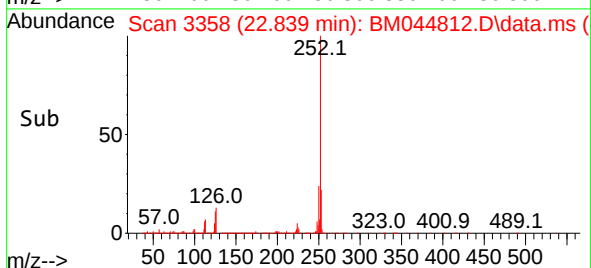
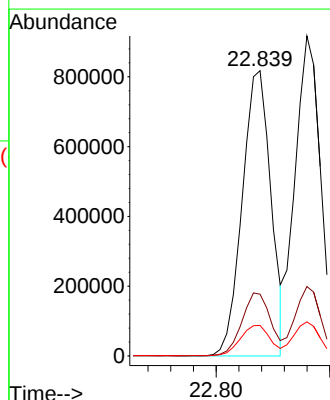
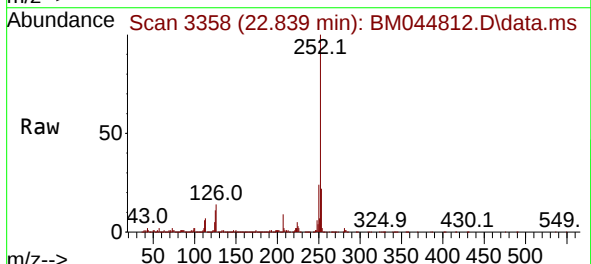
Tgt Ion:252 Resp: 1433313

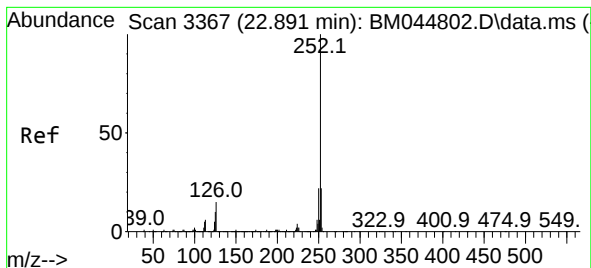
Ion Ratio Lower Upper

252 100

253 21.7 17.5 26.3

125 10.7 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 54.436 ng

RT: 22.880 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

Tgt Ion:252 Resp: 143086

Ion Ratio Lower Upper

252 100

253 21.7 17.7 26.5

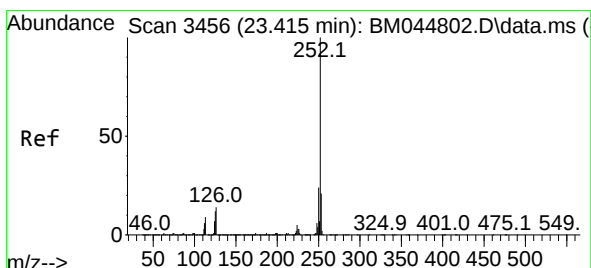
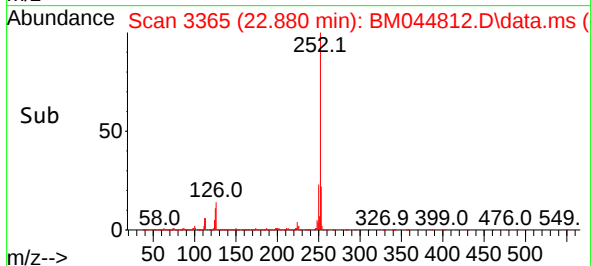
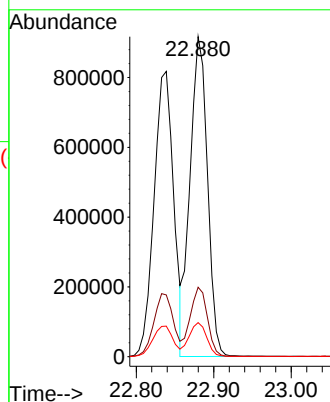
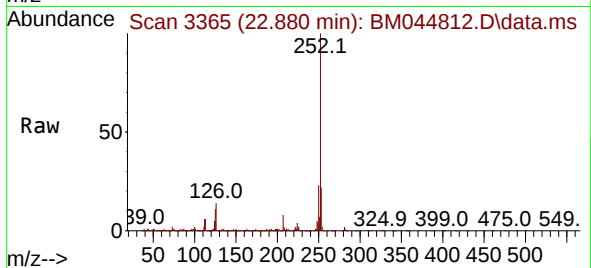
125 10.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#90

Benzo(a)pyrene

Concen: 50.687 ng

RT: 23.409 min Scan# 3455

Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

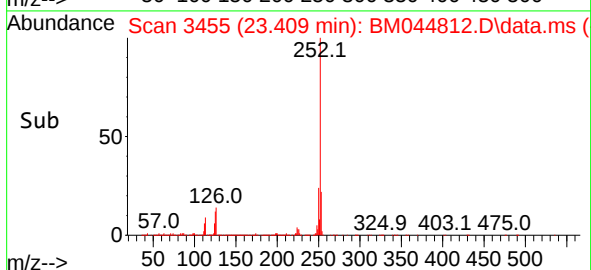
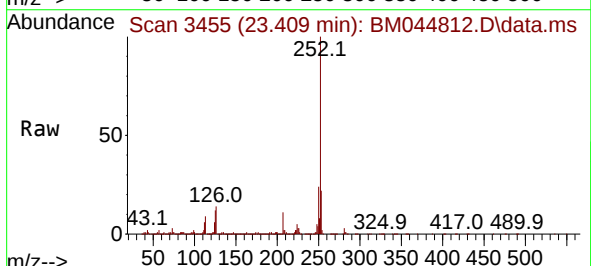
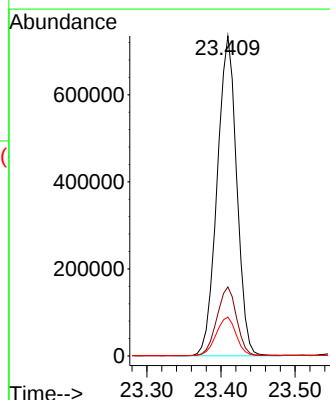
Tgt Ion:252 Resp: 1346491

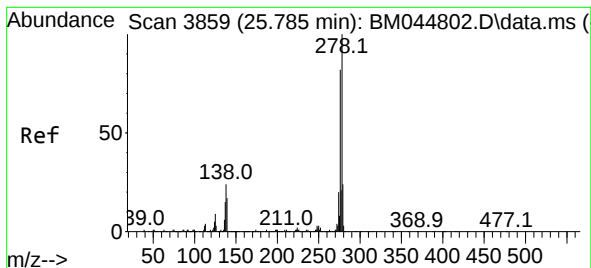
Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

125 12.2 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 50.715 ng

RT: 25.780 min Scan# 3859

Delta R.T. -0.006 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Instrument :

BNA\_M

ClientSampleId :

SOIL-1MS

Tgt Ion:278 Resp: 147384

Ion Ratio Lower Upper

278 100

139 16.4 13.6 20.4

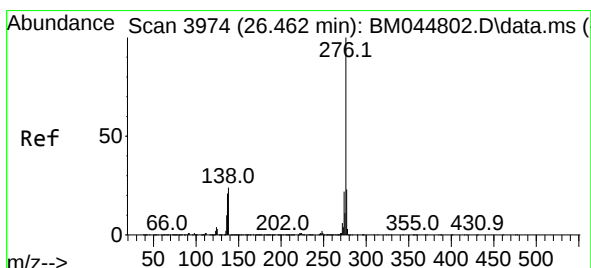
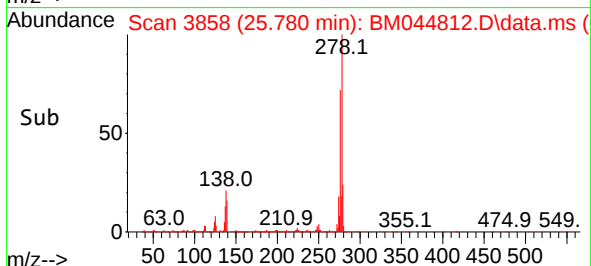
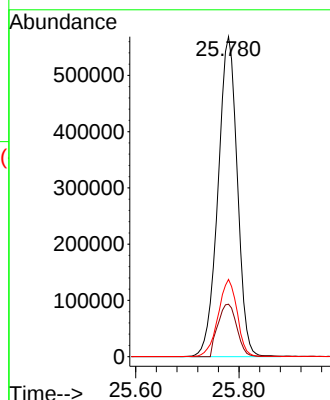
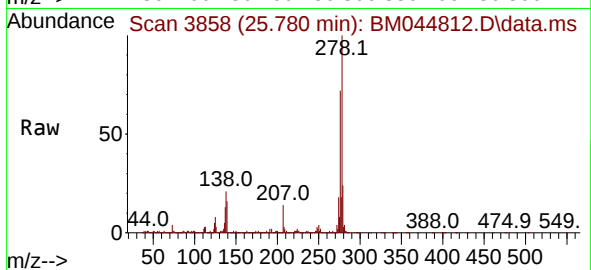
279 24.1 19.6 29.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#92

Benzo(g,h,i)perylene

Concen: 46.662 ng

RT: 26.450 min Scan# 3972

Delta R.T. -0.012 min

Lab File: BM044812.D

Acq: 29 Mar 2024 11:58

Tgt Ion:276 Resp: 1410883

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 23.6 19.2 28.8

