

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101623\  
 Data File : BP017687.D  
 Acq On : 16 Oct 2023 17:56  
 Operator : MA/JU  
 Sample : 02215-06  
 Misc : SFAM-MDL-ME-SOIL-02  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Oct 17 00:56:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 12 16:14:36 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/17/2023  
 Supervised By :mohammad ahmed 10/18/2023

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.905  | 152  | 106264   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.740 | 136  | 437882   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.604 | 164  | 283949   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.398 | 188  | 704049   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.539 | 240  | 804402   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.110 | 264  | 937212   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.264  | 96   | 14738    | 5.113  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.699  | 84   | 188893   | 23.708 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.058  | 99   | 214787   | 21.711 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.246  | 67   | 140472   | 23.413 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.422  | 132  | 172945   | 22.584 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.622  | 113  | 168098   | 21.273 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.110  | 128  | 81793    | 22.239 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 90368    | 21.848 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.357 | 165  | 166149   | 21.373 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.910 | 131  | 244149   | 21.912 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.022 | 166  | 571545   | 23.241 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.298 | 160  | 624640   | 23.587 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.857 | 143  | 85642m   | 20.823 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.610 | 176  | 517807   | 24.753 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.757 | 200  | 82437    | 16.566 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.498 | 188  | 837823   | 23.052 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.757 | 212  | 1093564  | 22.588 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.939 | 264  | 1247842  | 23.717 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.305  | 88   | 3291     | 1.077  | ng/uL# | 77       |
| 5) Pyridine                   | 3.722  | 79   | 30368    | 3.711  | ng/u1# | 67       |
| 6) Benzaldehyde               | 7.069  | 77   | 26595    | 5.307  | ng/u1  | 92       |
| 8) Phenol                     | 7.087  | 94   | 33722    | 3.434  | ng/u1# | 84       |
| 10) Bis(2-Chloroethyl)ether   | 7.346  | 93   | 29175    | 3.703  | ng/u1  | 98       |
| 12) 2-Chlorophenol            | 7.458  | 128  | 28922    | 3.780  | ng/u1  | 97       |
| 13) 2-Methylphenol            | 8.358  | 108  | 22149    | 3.030  | ng/u1  | 96       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.422  | 45   | 37457m   | 3.685  | ng/u1  |          |
| 16) Acetophenone              | 8.763  | 105  | 44061    | 3.583  | ng/u1  | 88       |
| 17) N-Nitroso-di-n-propyla... | 8.728  | 70   | 21225    | 3.411  | ng/u1# | 94       |
| 18) 4-Methylphenol            | 8.693  | 108  | 25964    | 3.268  | ng/u1  | 95       |
| 19) Hexachloroethane          | 8.963  | 117  | 13344    | 3.904  | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.152  | 77   | 36221    | 3.834  | ng/u1  | 93       |
| 23) Isophorone                | 9.669  | 82   | 55192    | 3.240  | ng/u1  | 95       |
| 25) 2-Nitrophenol             | 9.863  | 139  | 15335    | 3.485  | ng/u1  | 94       |
| 26) 2,4-Dimethylphenol        | 9.904  | 107  | 30308    | 3.466  | ng/u1  | 99       |
| 27) Bis(2-Chloroethoxy)met... | 10.163 | 93   | 36431    | 3.500  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 26426    | 3.523  | ng/u1# | 83       |
| 30) Naphthalene               | 10.787 | 128  | 96588    | 3.794  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.940 | 127  | 37230    | 3.494  | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 11.016 | 225  | 23013    | 3.968  | ng/u1  | 95       |
| 34) Caprolactam               | 11.763 | 113  | 12894    | 5.620  | ng/u1  | 91       |
| 35) 4-Chloro-3-methylphenol   | 12.057 | 107  | 24508m   | 3.097  | ng/u1  |          |
| 36) 2-Methylnaphthalene       | 12.410 | 142  | 63590    | 3.648  | ng/u1  | 92       |

Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101623\  
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 Sample : 02215-06  
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Quant Time: Oct 17 00:56:55 2023  
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 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 12 16:14:36 2023  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 10/17/2023  
 Supervised By :mohammad ahmed 10/18/2023

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.634 | 142  | 65714    | 3.714 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.763 | 216  | 38254    | 3.693 | ng/ul  | 96       |
| 40) Hexachlorocyclopentadiene | 12.704 | 237  | 14351    | 3.084 | ng/ul# | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.034 | 196  | 18391    | 2.883 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.116 | 196  | 20924    | 3.107 | ng/ul  | 97       |
| 43) 1,1'-Biphenyl             | 13.428 | 154  | 88676    | 3.810 | ng/ul  | 95       |
| 44) 2-Chloronaphthalene       | 13.475 | 162  | 69651    | 3.741 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.728 | 65   | 15616m   | 3.034 | ng/ul  |          |
| 47) Dimethylphthalate         | 14.069 | 163  | 91810    | 3.781 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.222 | 165  | 13197m   | 2.936 | ng/ul  |          |
| 50) Acenaphthylene            | 14.328 | 152  | 110938   | 3.703 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.575 | 138  | 13586m   | 2.997 | ng/ul  |          |
| 52) Acenaphthene              | 14.669 | 153  | 78768    | 3.953 | ng/ul  | 98       |
| 53) 2,4-Dinitrophenol         | 14.781 | 184  | 14514    | 5.229 | ng/ul  | 90       |
| 55) 4-Nitrophenol             | 14.875 | 109  | 16847m   | 4.372 | ng/ul  |          |
| 56) Dibenzofuran              | 15.010 | 168  | 112746   | 3.944 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 15.016 | 165  | 22005    | 3.172 | ng/ul# | 83       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.234 | 232  | 20644    | 3.314 | ng/ul# | 98       |
| 59) Diethylphthalate          | 15.434 | 149  | 86781    | 3.562 | ng/ul  | 97       |
| 61) Fluorene                  | 15.663 | 166  | 92786    | 3.937 | ng/ul  | 98       |
| 62) 4-Chlorophenyl-phenyle... | 15.657 | 204  | 49364    | 3.939 | ng/ul  | 93       |
| 63) 4-Nitroaniline            | 15.745 | 138  | 15443    | 3.428 | ng/ul# | 34       |
| 66) 4,6-Dinitro-2-methylph... | 15.769 | 198  | 15393    | 2.953 | ng/ul# | 65       |
| 67) N-Nitrosodiphenylamine    | 15.887 | 169  | 72687    | 3.455 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.569 | 248  | 28480    | 3.355 | ng/ul  | 90       |
| 69) Hexachlorobenzene         | 16.645 | 284  | 36005    | 3.564 | ng/ul  | 94       |
| 70) Atrazine                  | 16.851 | 200  | 25752    | 3.163 | ng/ul  | 90       |
| 71) Pentachlorophenol         | 17.028 | 266  | 21021    | 3.435 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.439 | 178  | 155214   | 3.747 | ng/ul  | 100      |
| 74) Anthracene                | 17.534 | 178  | 157304   | 3.754 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.381 | 216  | 38150    | 3.434 | ng/ul  | 96       |
| 76) Pentachlorobenzene        | 14.898 | 250  | 43794    | 3.841 | ng/ul  | 97       |
| 77) Carbazole                 | 17.833 | 167  | 125199   | 3.300 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.339 | 149  | 128741   | 2.755 | ng/ul  | 98       |
| 80) Fluoranthene              | 19.428 | 202  | 184920   | 3.342 | ng/ul  | 98       |
| 82) Pyrene                    | 19.786 | 202  | 208726   | 3.611 | ng/ul  | 96       |
| 83) Butylbenzylphthalate      | 20.657 | 149  | 55127    | 2.451 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.469 | 252  | 72742    | 3.530 | ng/ul  | 98       |
| 85) Benzo(a)anthracene        | 21.522 | 228  | 217648   | 3.529 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.404 | 149  | 74250    | 2.184 | ng/ul  | 98       |
| 87) Chrysene                  | 21.580 | 228  | 214352   | 3.766 | ng/ul  | 97       |
| 89) Di-n-octyl phthalate      | 22.386 | 149  | 133622   | 2.184 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.310 | 252  | 218359   | 3.421 | ng/ul  | 99       |
| 91) Benzo(k)fluoranthene      | 23.363 | 252  | 217720   | 3.429 | ng/ul  | 99       |
| 93) Benzo(a)pyrene            | 23.992 | 252  | 206395   | 3.473 | ng/ul  | 98       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.845 | 276  | 254738   | 3.495 | ng/ul  | 97       |
| 95) Dibenzo(a,h)anthracene    | 26.868 | 278  | 215104   | 3.521 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.698 | 276  | 208551   | 3.598 | ng/ul  | 98       |

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

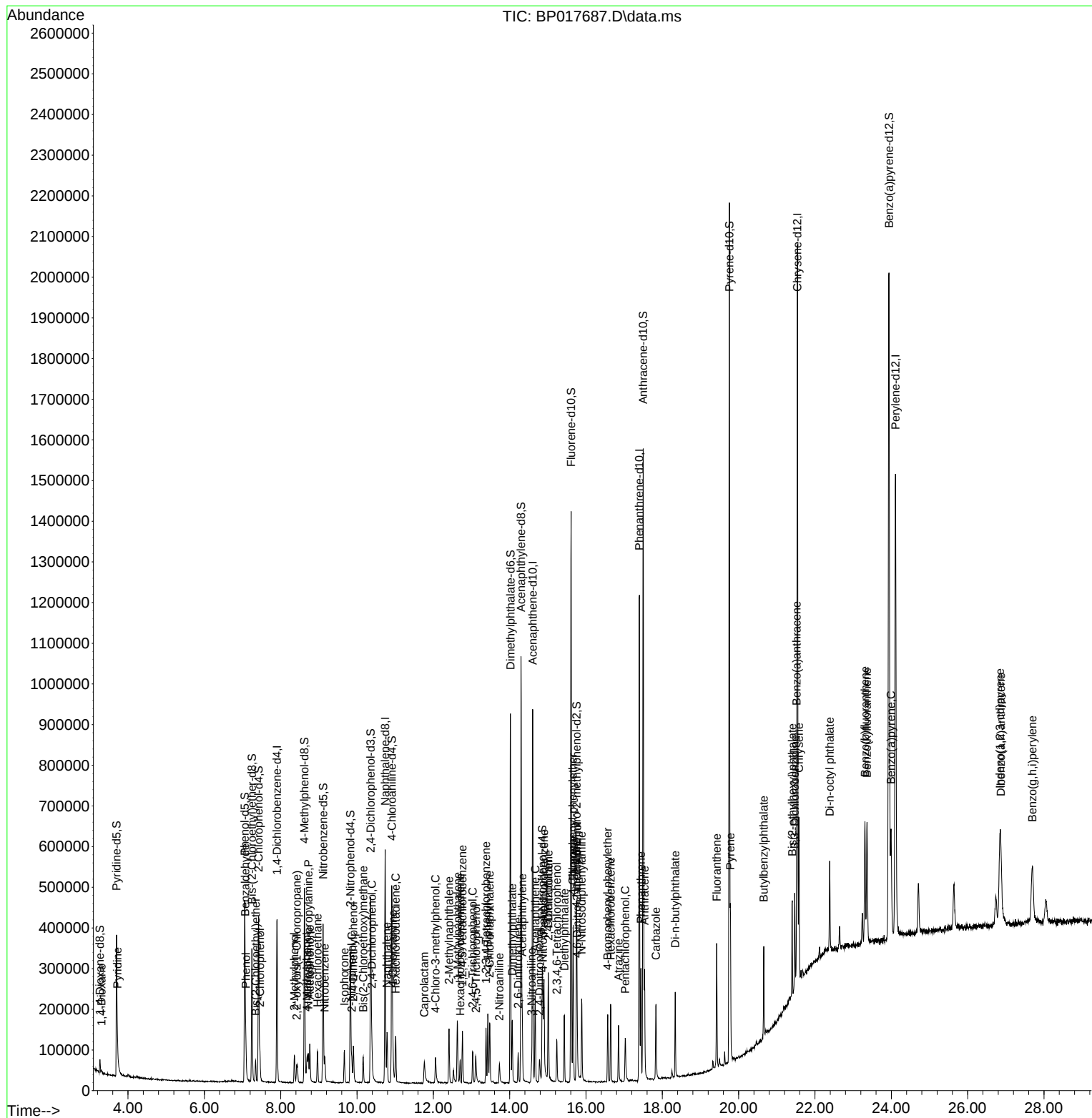
Data Path : Z:\svoasrv\HPCHEM1\BNA\_P\Data\BP101623\  
 Data File : BP017687.D  
 Acq On : 16 Oct 2023 17:56  
 Operator : MA/JU  
 Sample : 02215-06  
 Misc : SFAM-MDL-ME-SOIL-02  
 ALS Vial : 7 Sample Multiplier: 1

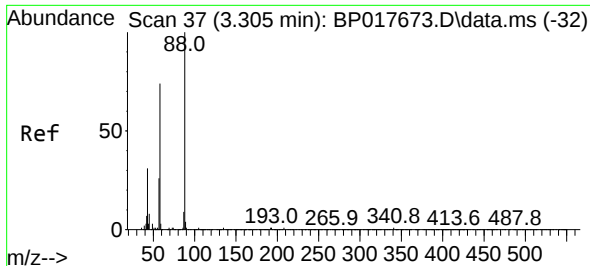
Instrument :  
 BNA\_P  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Oct 17 00:56:55 2023  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_P\Methods\SFAM-EPA-BP101223.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Thu Oct 12 16:14:36 2023  
 Response via : Initial Calibration

### Manual Integrations APPROVED

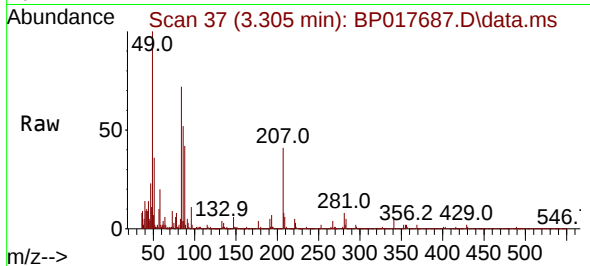
Reviewed By :Yogesh Patel 10/17/2023  
 Supervised By :mohammad ahmed 10/18/2023





#2  
1,4-Dioxane  
Concen: 1.077 ng/uL  
RT: 3.305 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

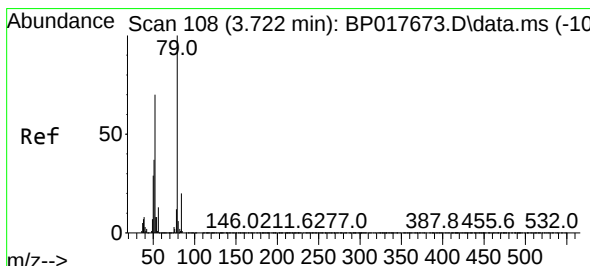
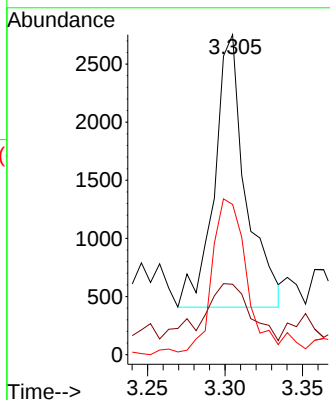
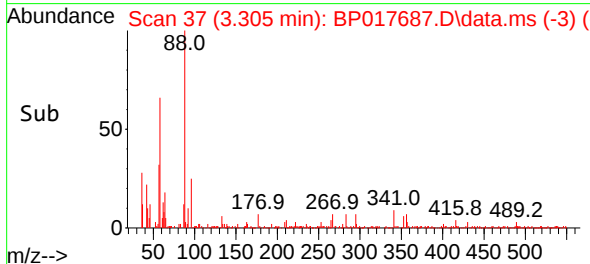
Instrument : BNA\_P  
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 88 Resp: 329  
Ion Ratio Lower Upper  
88 100  
43 22.0 27.3 40.9  
58 46.9 53.3 79.9

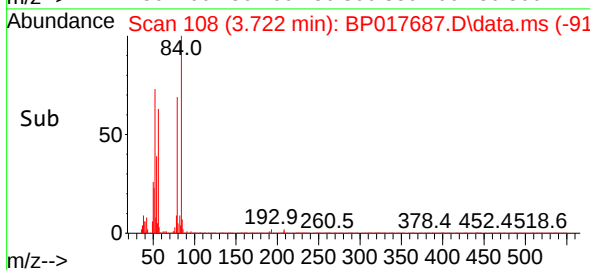
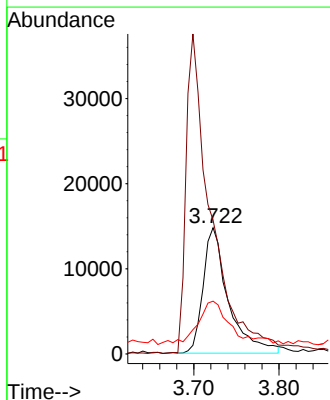
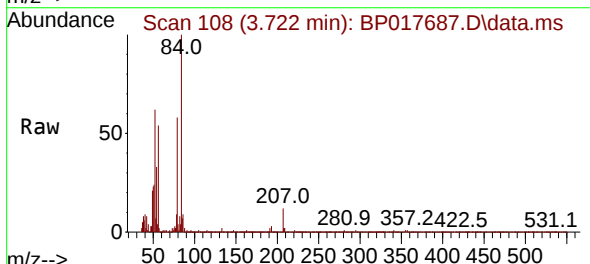
Manual Integrations  
APPROVED

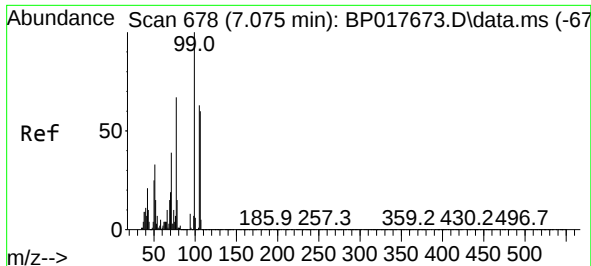
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#5  
Pyridine  
Concen: 3.711 ng/uL  
RT: 3.722 min Scan# 108  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion: 79 Resp: 30368  
Ion Ratio Lower Upper  
79 100  
52 106.0 55.8 83.6  
51 41.8 28.7 43.1





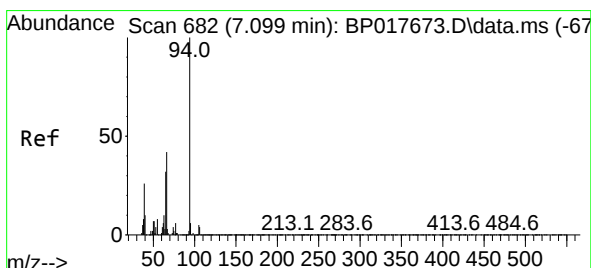
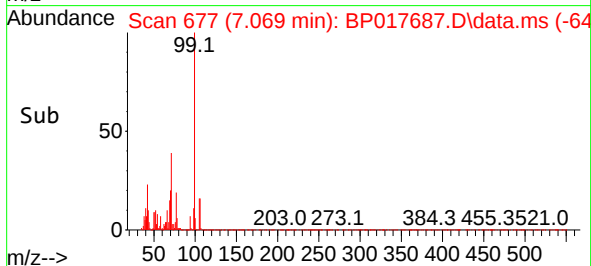
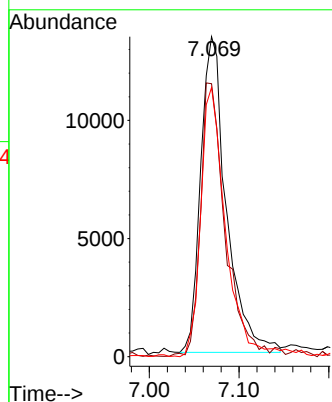
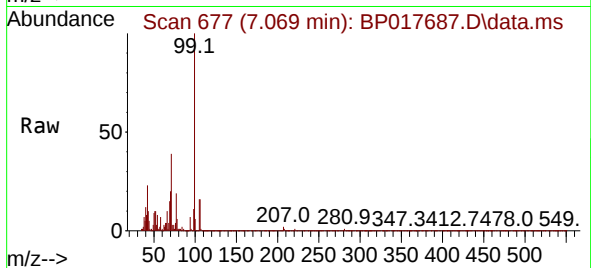
#6  
Benzaldehyde  
Concen: 5.307 ng/ul  
RT: 7.069 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 77 Resp: 2659  
Ion Ratio Lower Upper  
77 100  
105 85.3 74.9 112.3  
106 84.1 72.2 108.2

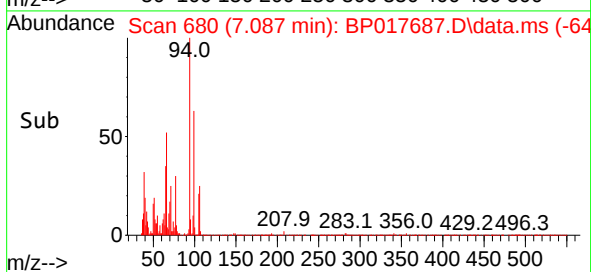
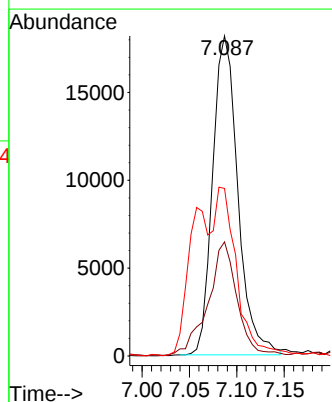
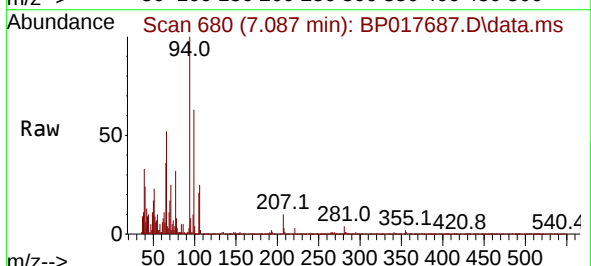
Manual Integrations  
APPROVED

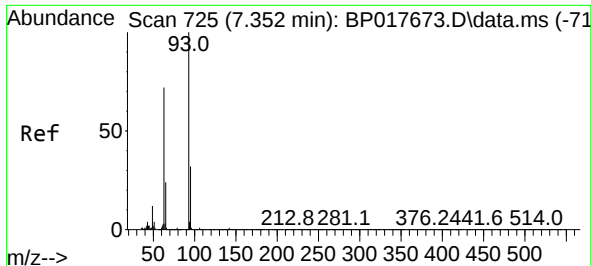
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#8  
Phenol  
Concen: 3.434 ng/ul  
RT: 7.087 min Scan# 680  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

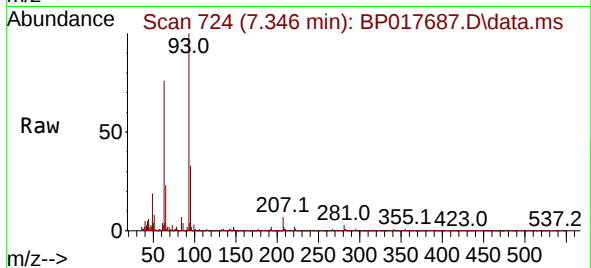
Tgt Ion: 94 Resp: 33722  
Ion Ratio Lower Upper  
94 100  
65 35.7 24.2 36.4  
66 52.3 31.8 47.6#





#10  
Bis(2-Chloroethyl)ether  
Concen: 3.703 ng/ul  
RT: 7.346 min Scan# 701  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

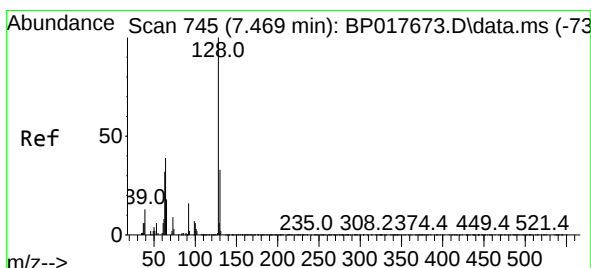
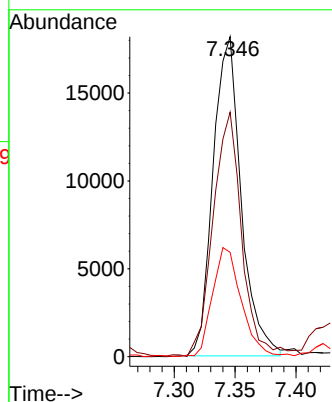
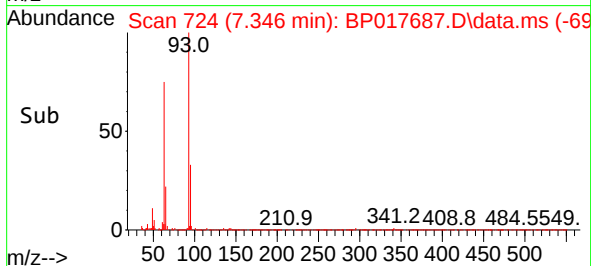
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04



Tgt Ion: 93 Resp: 2917  
Ion Ratio Lower Upper  
93 100  
63 76.4 59.4 89.2  
95 32.6 25.3 37.9

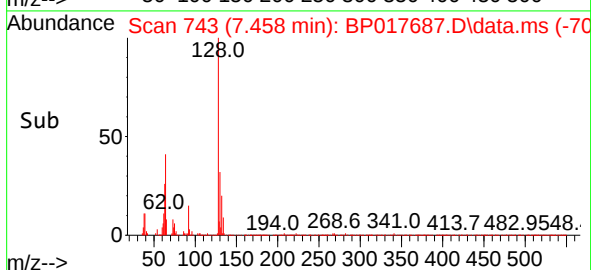
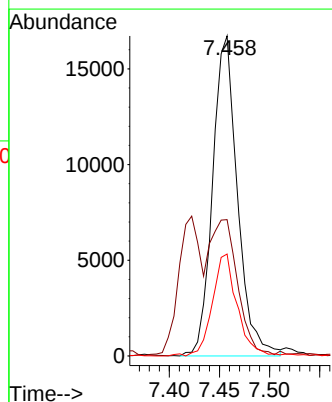
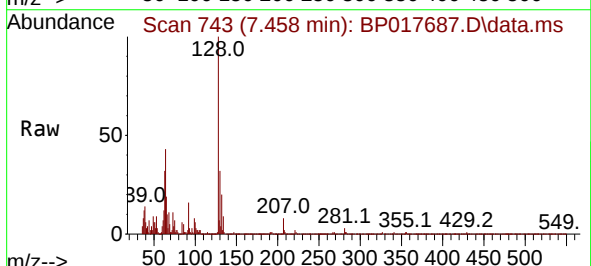
Manual Integrations  
APPROVED

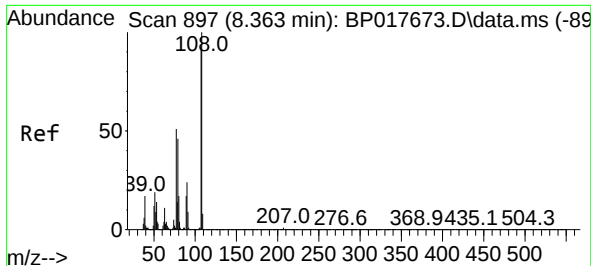
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#12  
2-Chlorophenol  
Concen: 3.780 ng/ul  
RT: 7.458 min Scan# 743  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:128 Resp: 28922  
Ion Ratio Lower Upper  
128 100  
64 42.6 36.9 55.3  
130 31.9 25.8 38.8





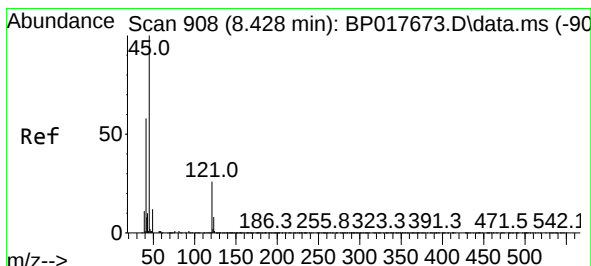
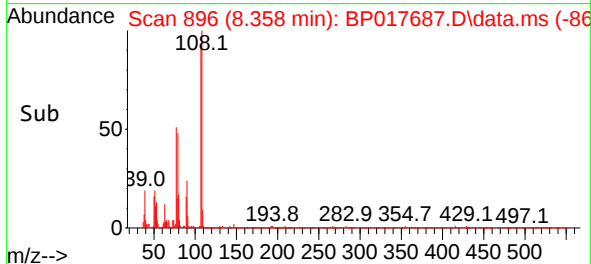
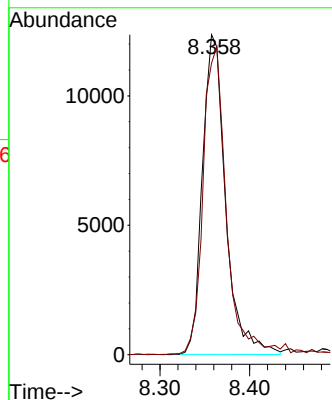
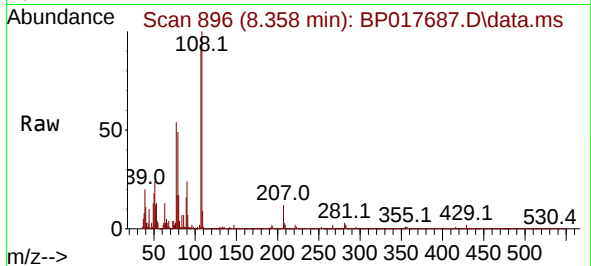
#13  
2-Methylphenol  
Concen: 3.030 ng/ul  
RT: 8.358 min Scan# 897  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:108 Resp: 22149  
Ion Ratio Lower Upper  
108 100  
107 91.1 70.2 105.2

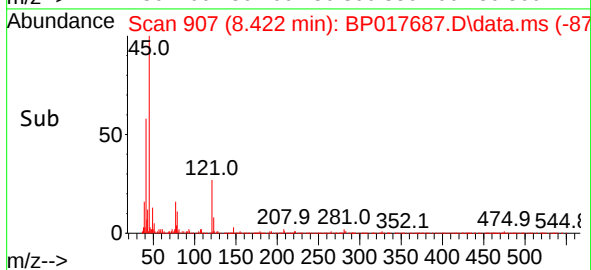
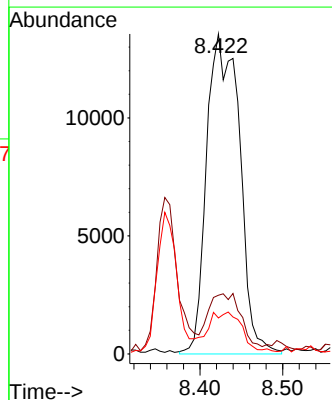
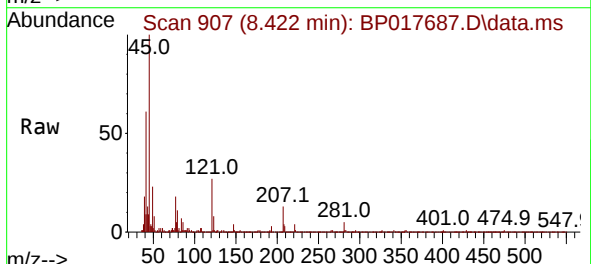
Manual Integrations  
APPROVED

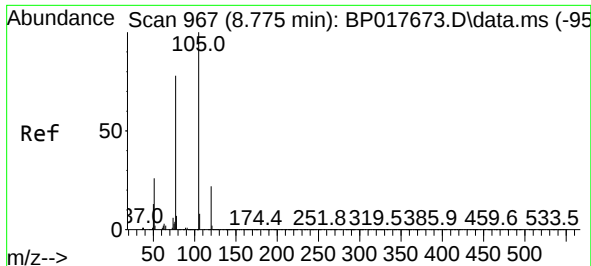
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 3.685 ng/ul m  
RT: 8.422 min Scan# 907  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion: 45 Resp: 37457  
Ion Ratio Lower Upper  
45 100  
77 18.4 13.0 19.6  
79 11.3 9.5 14.3





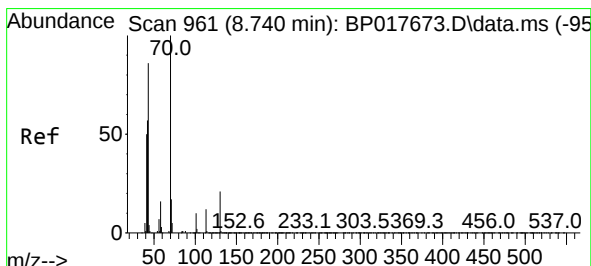
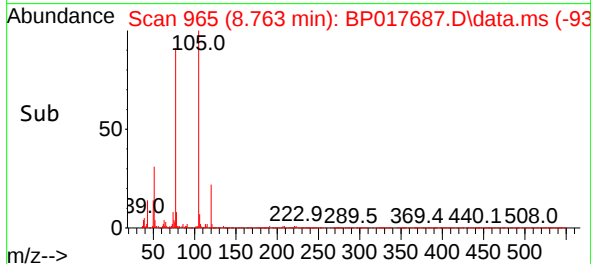
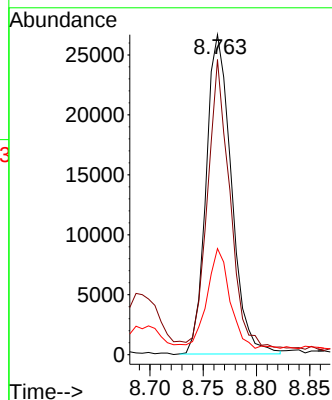
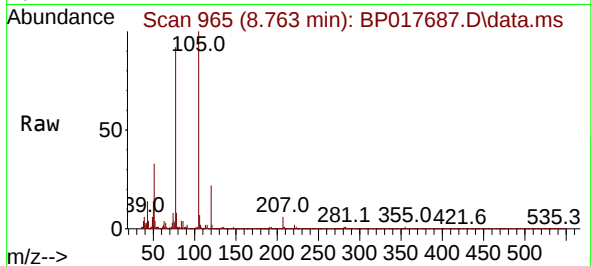
#16  
Acetophenone  
Concen: 3.583 ng/ul  
RT: 8.763 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:105 Resp: 4406  
Ion Ratio Lower Upper  
105 100  
77 92.2 64.3 96.5  
51 33.1 22.6 33.8

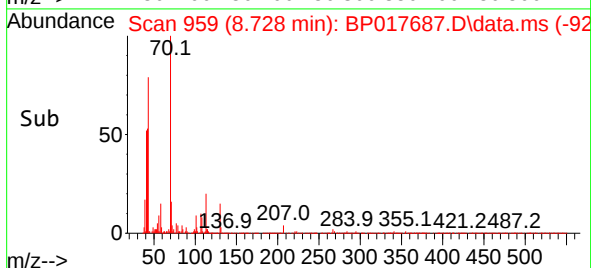
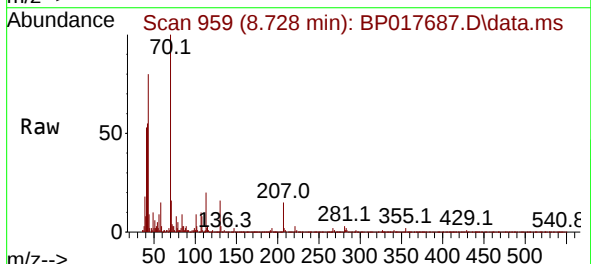
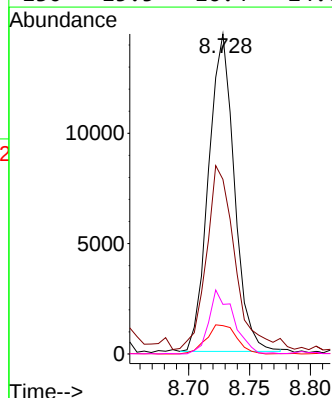
Manual Integrations  
APPROVED

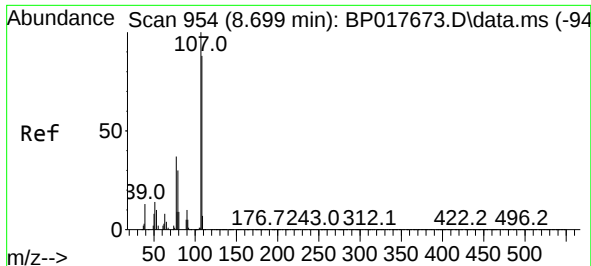
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#17  
N-Nitroso-di-n-propylamine  
Concen: 3.411 ng/ul  
RT: 8.728 min Scan# 959  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion: 70 Resp: 21225  
Ion Ratio Lower Upper  
70 100  
42 54.5 46.6 70.0  
101 8.8 7.8 11.6  
130 15.5 16.4 24.6#





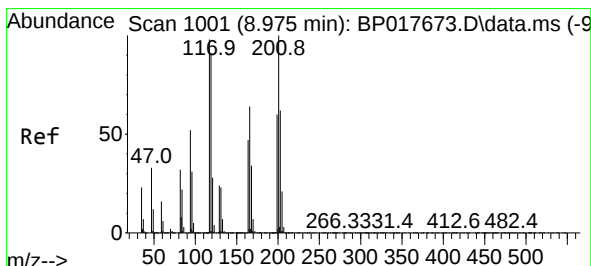
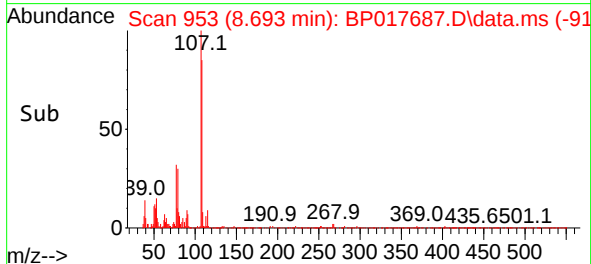
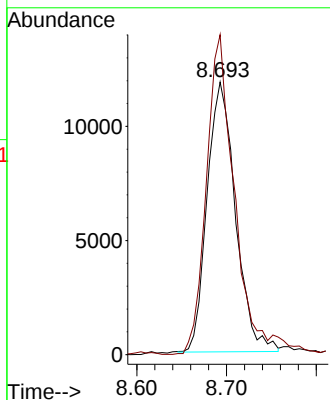
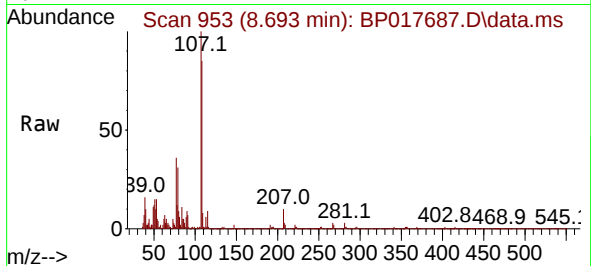
#18  
4-Methylphenol  
Concen: 3.268 ng/ul  
RT: 8.693 min Scan# 911  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:108 Resp: 25964  
Ion Ratio Lower Upper  
108 100  
107 117.3 89.4 134.2

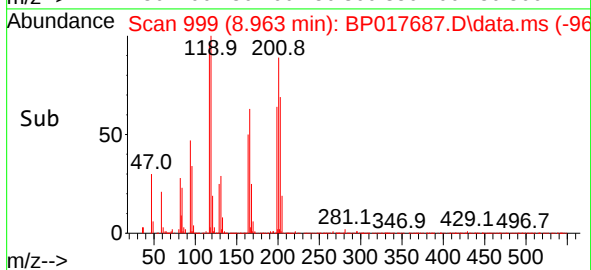
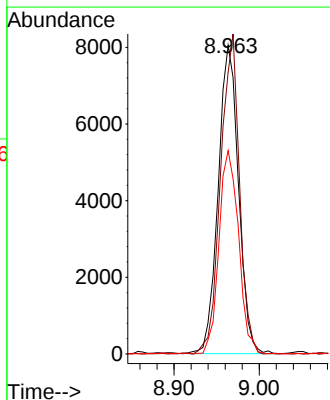
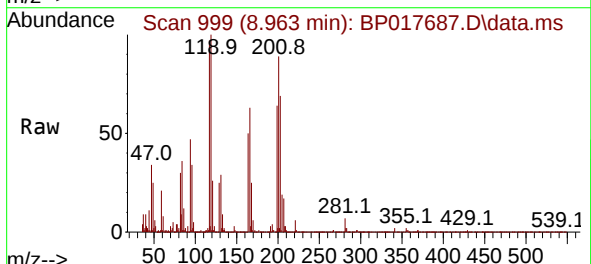
Manual Integrations  
APPROVED

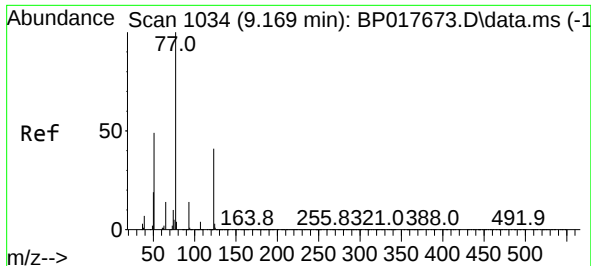
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#19  
Hexachloroethane  
Concen: 3.904 ng/ul  
RT: 8.963 min Scan# 999  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:117 Resp: 13344  
Ion Ratio Lower Upper  
117 100  
201 93.0 85.4 128.2  
199 67.8 53.7 80.5





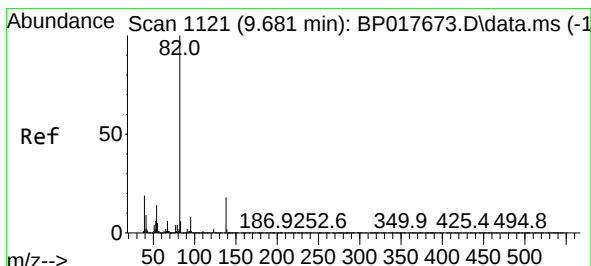
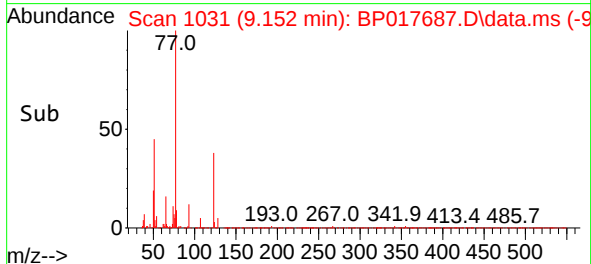
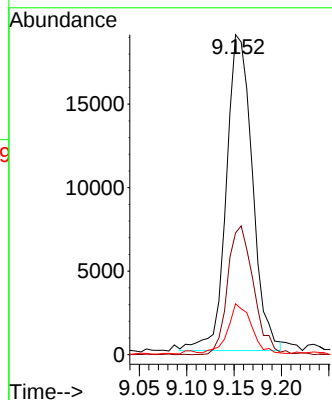
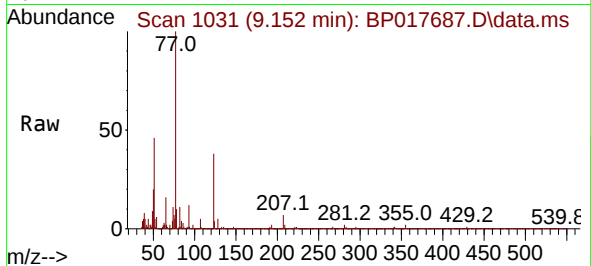
#22  
Nitrobenzene  
Concen: 3.834 ng/ul  
RT: 9.152 min Scan# 1109  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 77 Resp: 3622  
Ion Ratio Lower Upper  
77 100  
123 38.0 33.8 50.6  
65 15.9 10.6 16.0

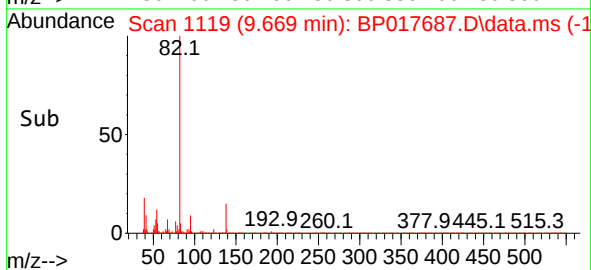
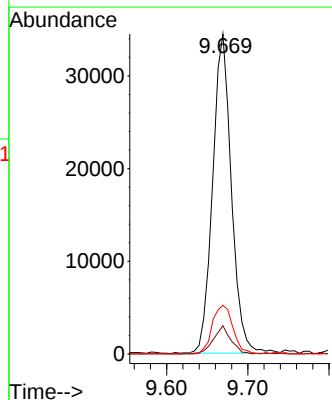
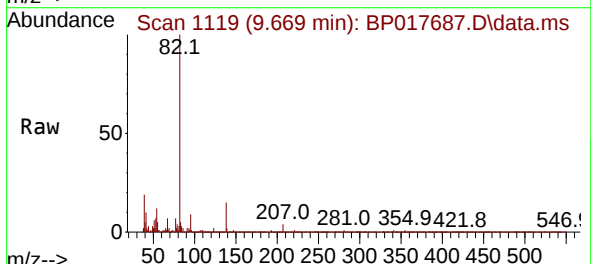
Manual Integrations  
APPROVED

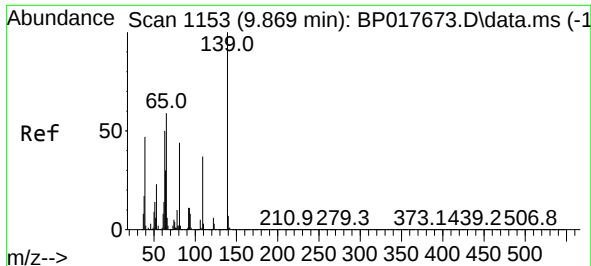
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#23  
Isophorone  
Concen: 3.240 ng/ul  
RT: 9.669 min Scan# 1119  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion: 82 Resp: 55192  
Ion Ratio Lower Upper  
82 100  
95 8.8 6.0 9.0  
138 15.2 13.9 20.9





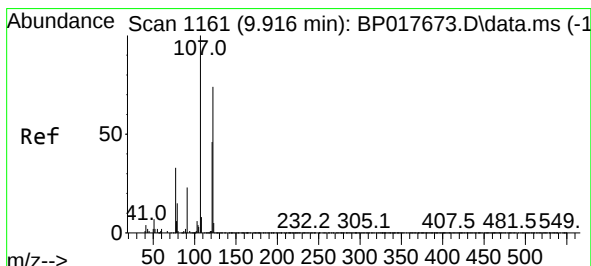
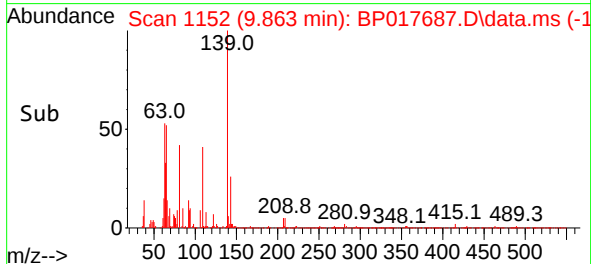
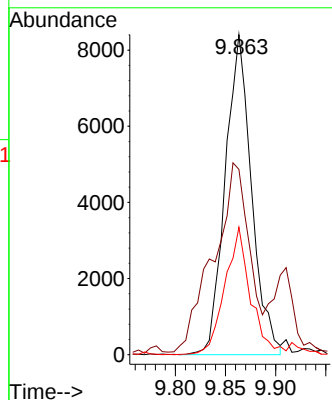
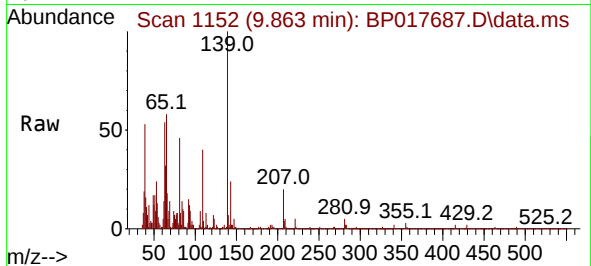
#25  
2-Nitrophenol  
Concen: 3.485 ng/ul  
RT: 9.863 min Scan# 1153  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:139 Resp: 1533  
Ion Ratio Lower Upper  
139 100  
65 57.9 43.4 65.2  
109 39.8 28.1 42.1

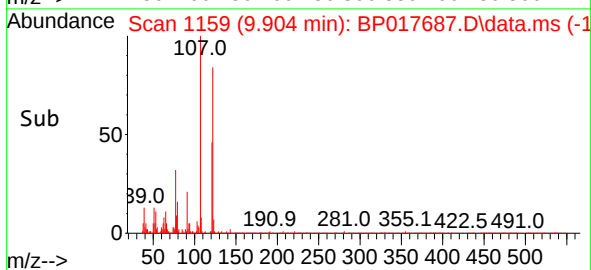
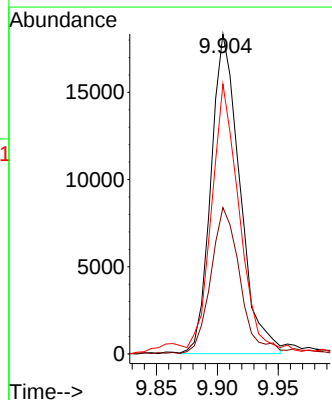
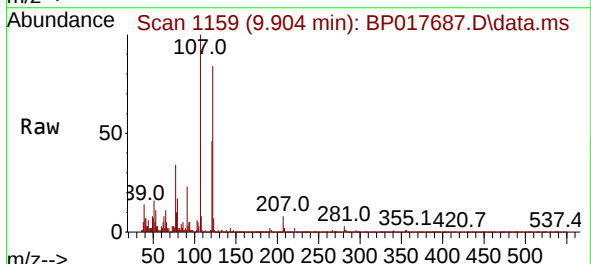
Manual Integrations  
APPROVED

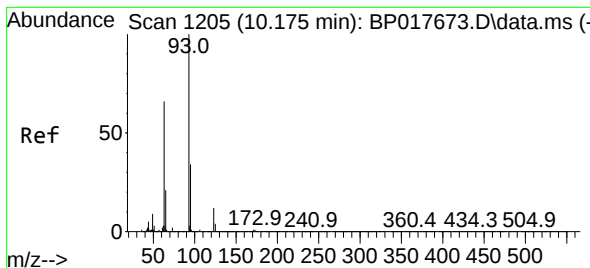
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#26  
2,4-Dimethylphenol  
Concen: 3.466 ng/ul  
RT: 9.904 min Scan# 1159  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:107 Resp: 30308  
Ion Ratio Lower Upper  
107 100  
121 45.8 37.6 56.4  
122 84.3 67.0 100.6





#27

Bis(2-Chloroethoxy)methane

Concen: 3.500 ng/ul

RT: 10.163 min Scan# 1203

Delta R.T. 0.000 min

Lab File: BP017687.D

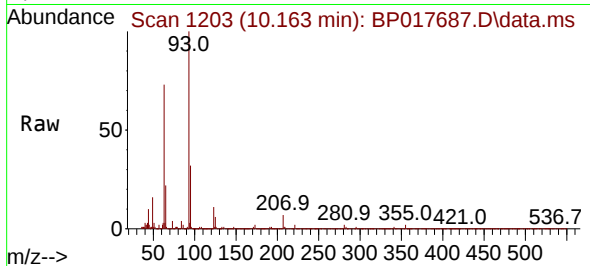
Acq: 16 Oct 2023 17:56

Instrument :

BNA\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04



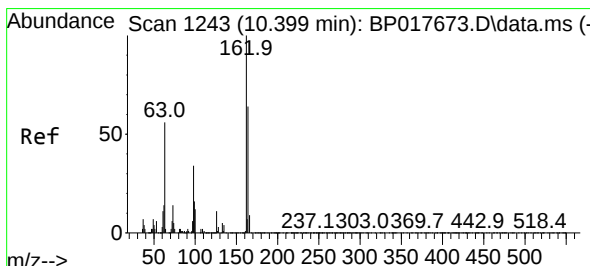
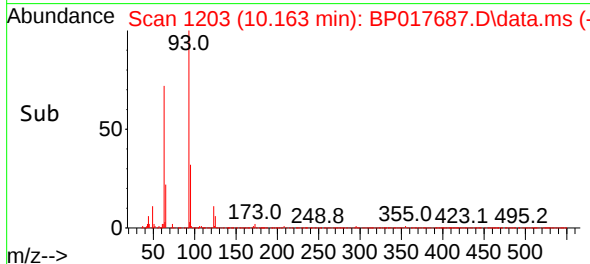
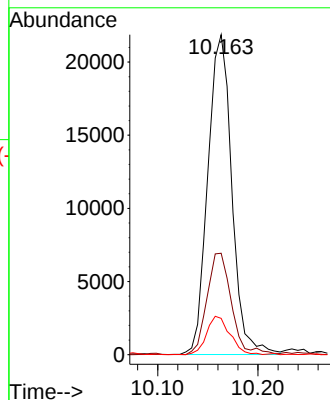
|             |                |
|-------------|----------------|
| Tgt Ion: 93 | Resp: 3643     |
| Ion Ratio   | Lower Upper    |
| 93          | 100            |
| 95          | 31.7 25.9 38.9 |
| 123         | 11.4 8.8 13.2  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#29

2,4-Dichlorophenol

Concen: 3.523 ng/ul

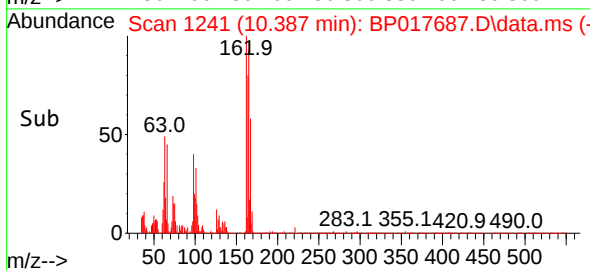
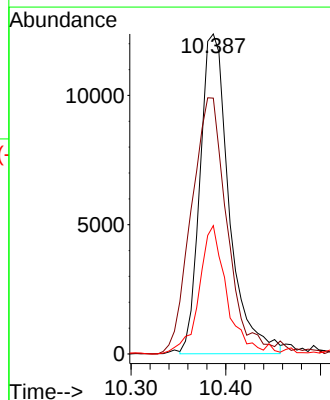
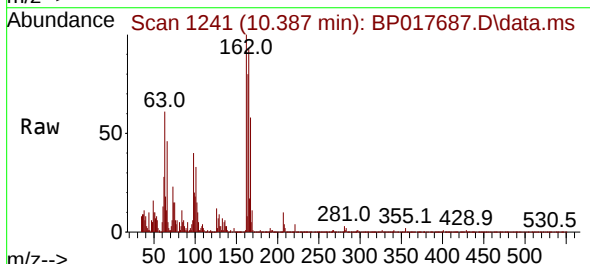
RT: 10.387 min Scan# 1241

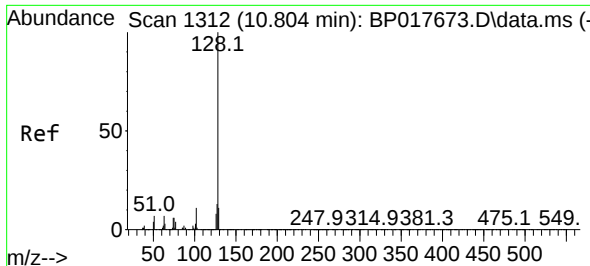
Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

|             |                 |
|-------------|-----------------|
| Tgt Ion:162 | Resp: 26426     |
| Ion Ratio   | Lower Upper     |
| 162         | 100             |
| 164         | 80.0 50.5 75.7# |
| 98          | 40.1 27.8 41.8  |





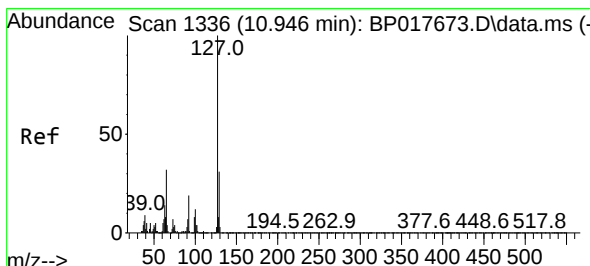
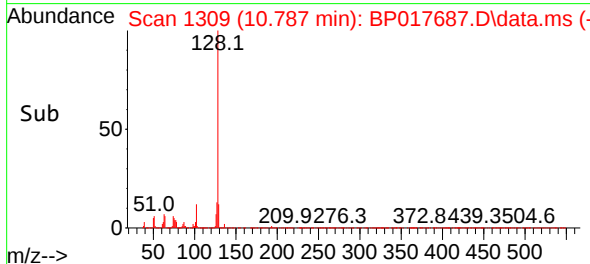
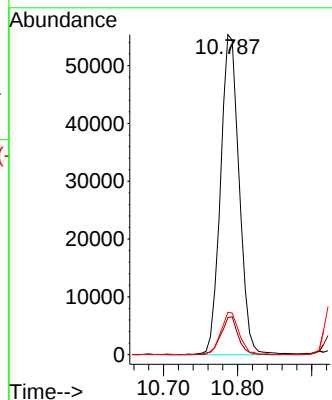
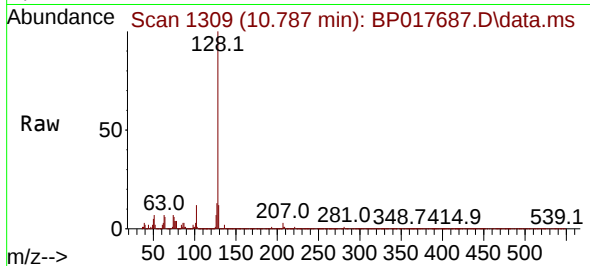
#30  
Naphthalene  
Concen: 3.794 ng/ul  
RT: 10.787 min Scan# 1309  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument : BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:128 Resp: 96588  
Ion Ratio Lower Upper  
128 100  
129 11.6 8.9 13.3  
127 13.3 10.5 15.7

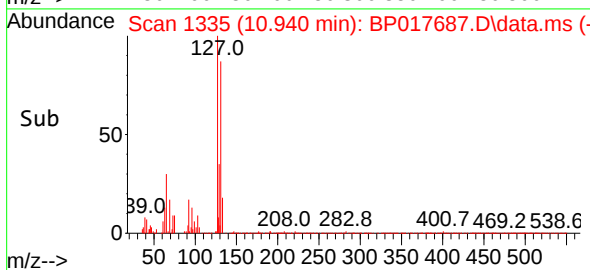
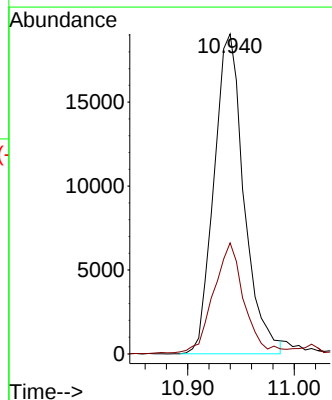
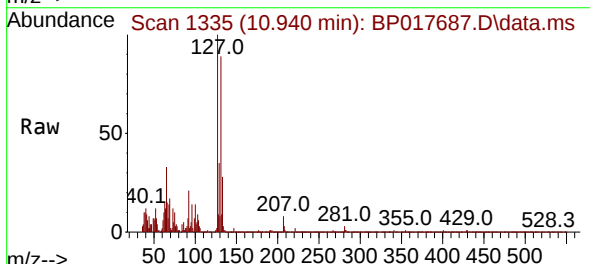
Manual Integrations  
APPROVED

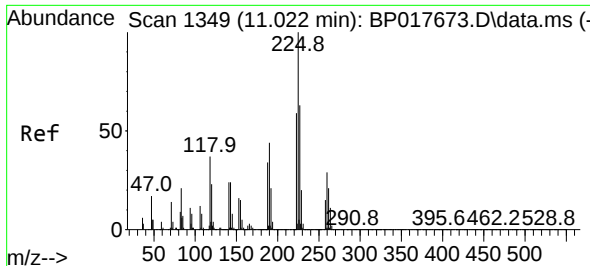
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#32  
4-Chloroaniline  
Concen: 3.494 ng/ul  
RT: 10.940 min Scan# 1335  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

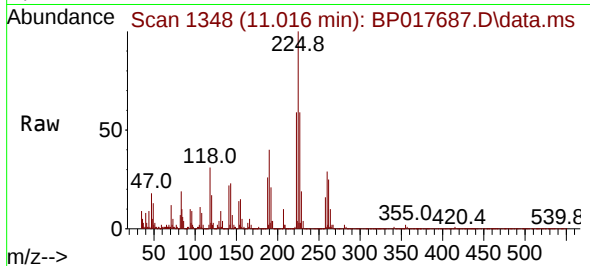
Tgt Ion:127 Resp: 37230  
Ion Ratio Lower Upper  
127 100  
129 34.7 26.6 40.0





#33  
Hexachlorobutadiene  
Concen: 3.968 ng/ul  
RT: 11.016 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

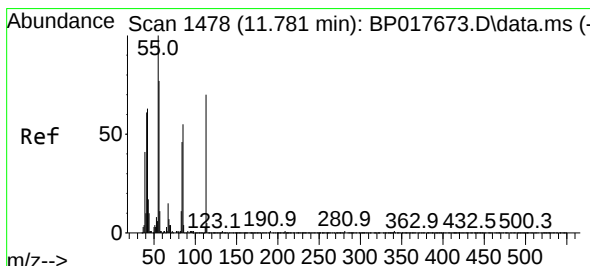
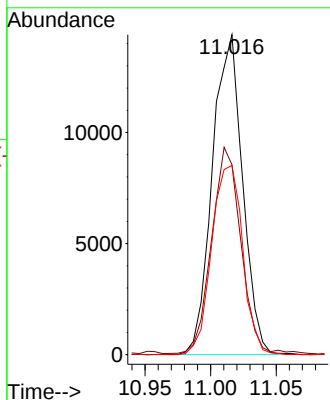
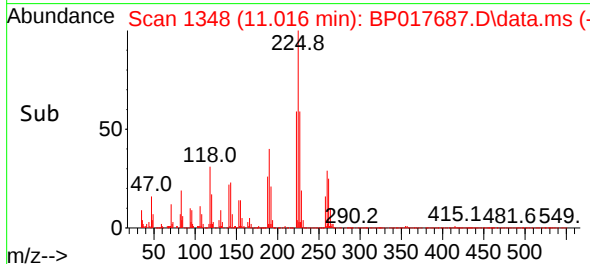
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04



Tgt Ion:225 Resp: 2301  
Ion Ratio Lower Upper  
225 100  
223 59.4 50.2 75.2  
227 59.2 51.0 76.4

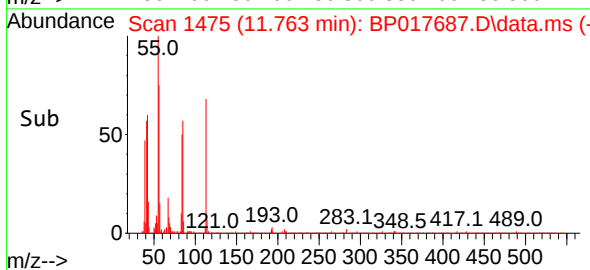
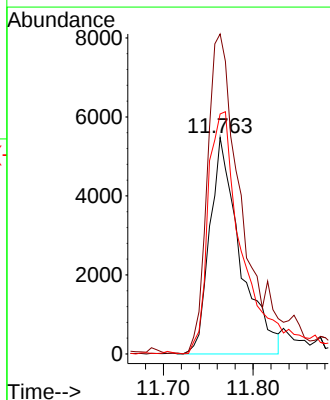
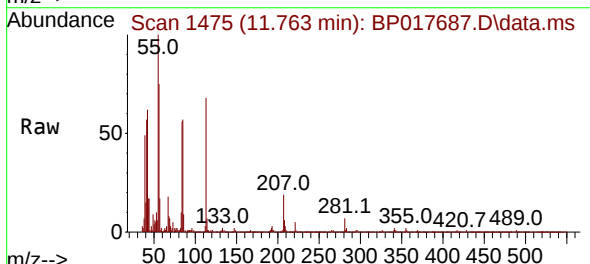
Manual Integrations  
APPROVED

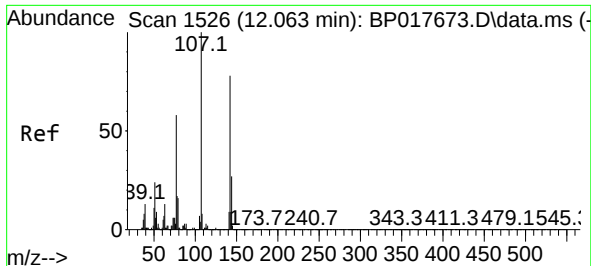
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#34  
Caprolactam  
Concen: 5.620 ng/ul  
RT: 11.763 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:113 Resp: 12894  
Ion Ratio Lower Upper  
113 100  
55 147.8 126.9 190.3  
56 110.9 97.9 146.9





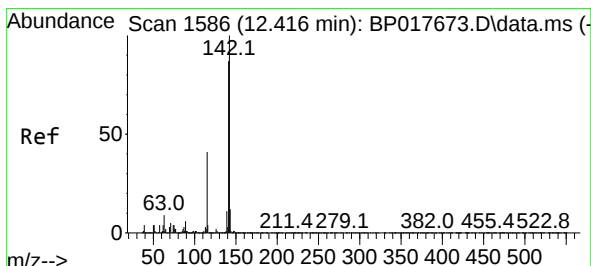
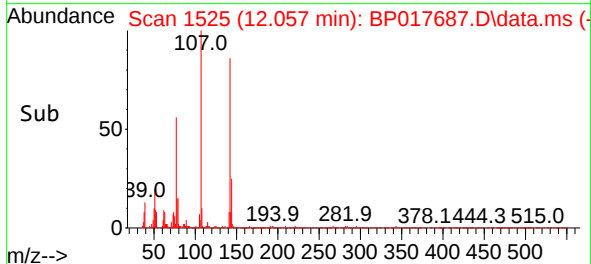
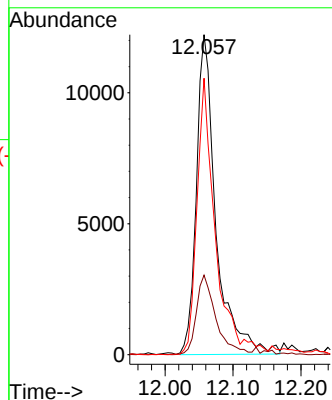
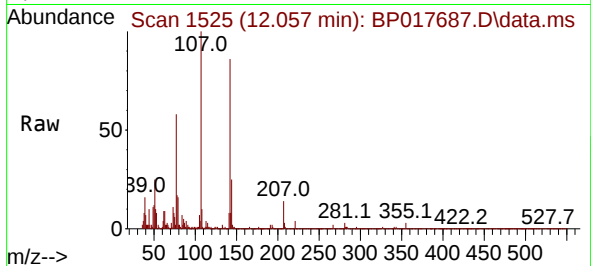
#35  
4-Chloro-3-methylphenol  
Concen: 3.097 ng/ul m  
RT: 12.057 min Scan# 1525  
Delta R.T. 0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:107 Resp: 24508  
Ion Ratio Lower Upper  
107 100  
144 24.8 20.1 30.1  
142 86.4 63.3 94.9

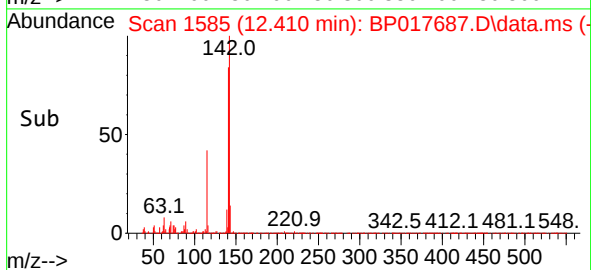
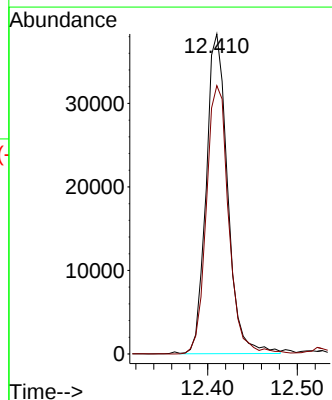
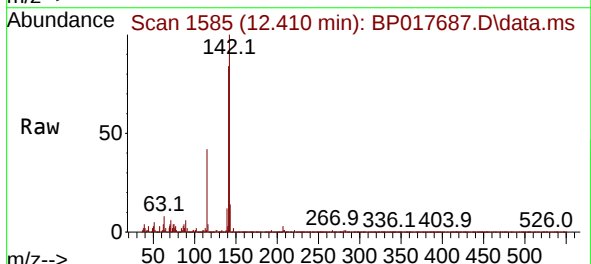
Manual Integrations  
APPROVED

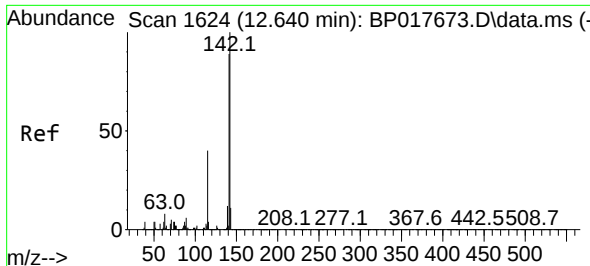
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#36  
2-Methylnaphthalene  
Concen: 3.648 ng/ul  
RT: 12.410 min Scan# 1585  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

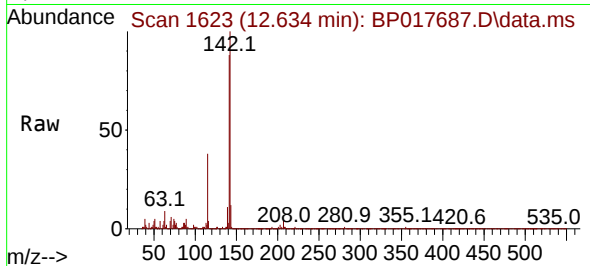
Tgt Ion:142 Resp: 63590  
Ion Ratio Lower Upper  
142 100  
141 83.8 72.8 109.2





#37  
1-Methylnaphthalene  
Concen: 3.714 ng/ul  
RT: 12.634 min Scan# 1624  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

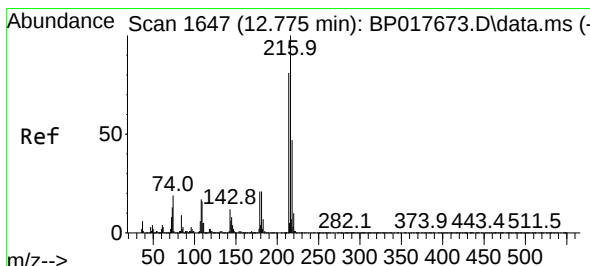
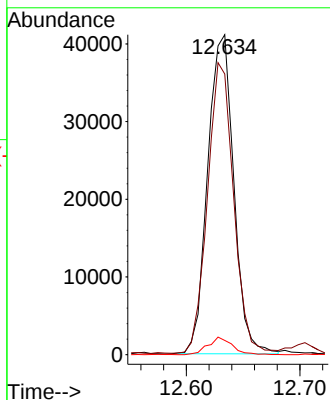
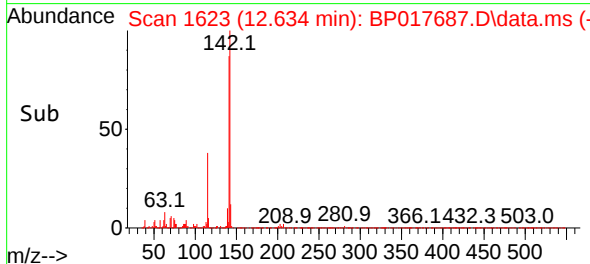
Instrument : BNA\_P  
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



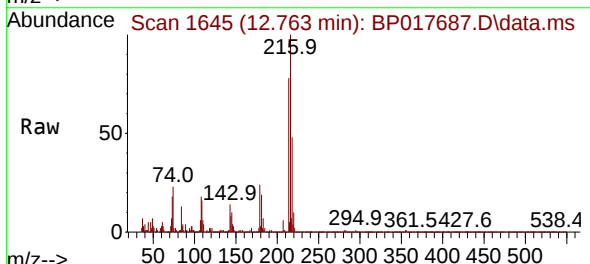
Tgt Ion:142 Resp: 65714  
Ion Ratio Lower Upper  
142 100  
141 87.7 74.3 111.5  
116 4.5 3.3 4.9

Manual Integrations  
APPROVED

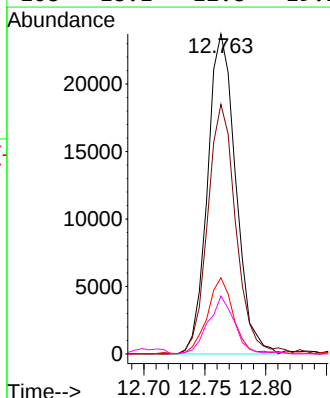
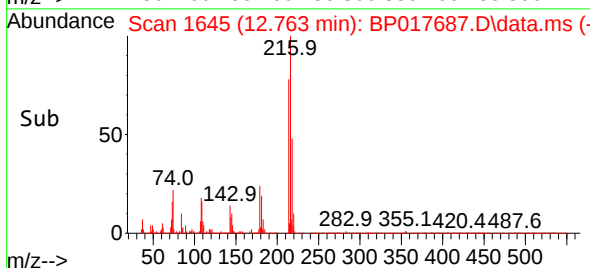
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023

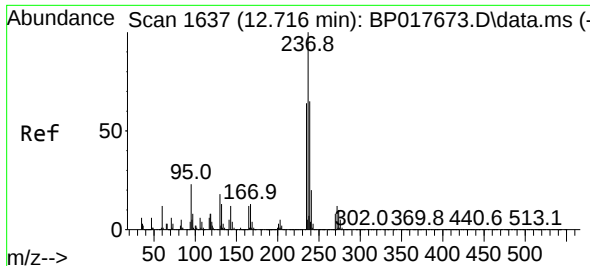


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 3.693 ng/ul  
RT: 12.763 min Scan# 1645  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56



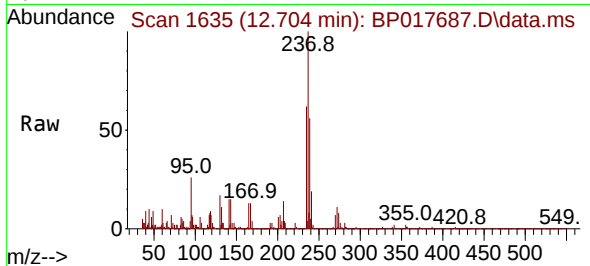
Tgt Ion:216 Resp: 38254  
Ion Ratio Lower Upper  
216 100  
214 78.0 59.8 89.8  
179 23.8 16.6 25.0  
108 18.1 12.8 19.2





#40  
Hexachlorocyclopentadiene  
Concen: 3.084 ng/ul  
RT: 12.704 min Scan# 1635  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

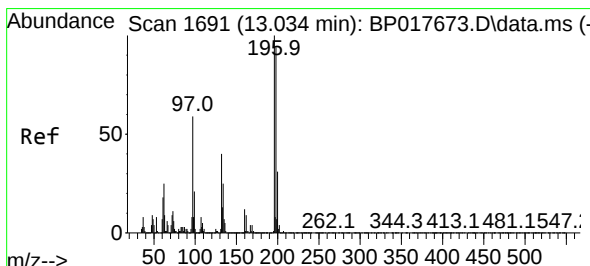
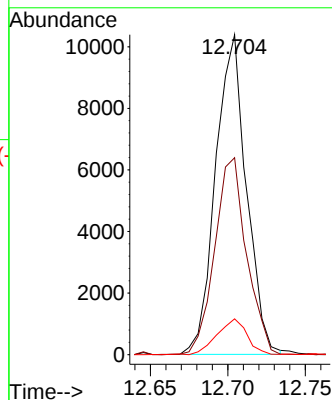
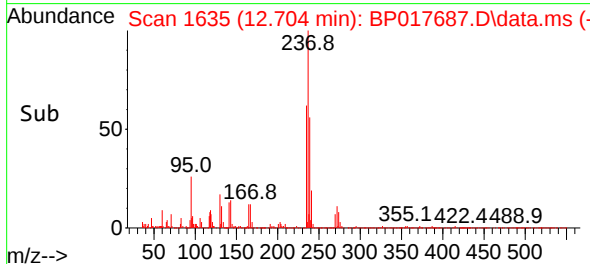
Instrument : BNA\_P  
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



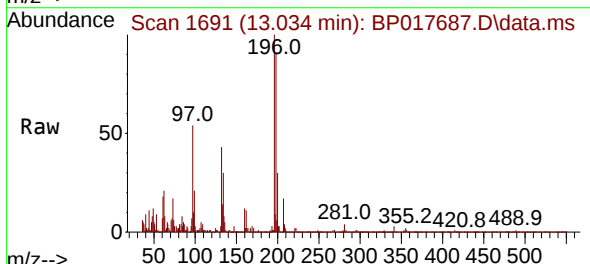
Tgt Ion:237 Resp: 1435  
Ion Ratio Lower Upper  
237 100  
235 61.6 50.4 75.6  
272 11.2 11.3 16.9

Manual Integrations  
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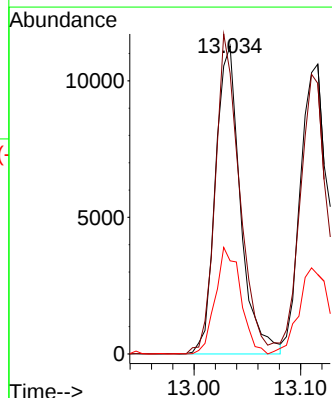
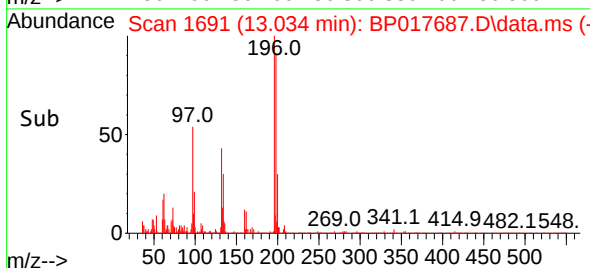
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023

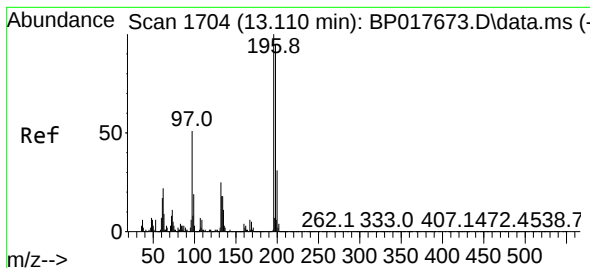


#41  
2,4,6-Trichlorophenol  
Concen: 2.883 ng/ul  
RT: 13.034 min Scan# 1691  
Delta R.T. 0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56



Tgt Ion:196 Resp: 18391  
Ion Ratio Lower Upper  
196 100  
198 91.1 77.3 115.9  
200 30.2 25.4 38.2





#42

2,4,5-Trichlorophenol

Concen: 3.107 ng/ul

RT: 13.116 min Scan# 1704

Delta R.T. 0.018 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNA\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

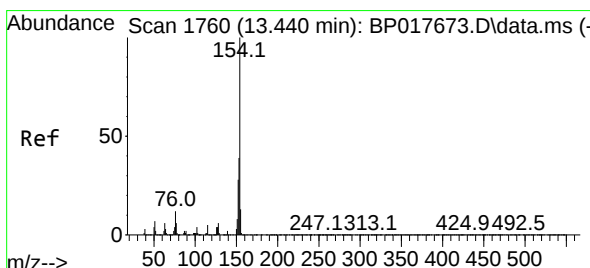
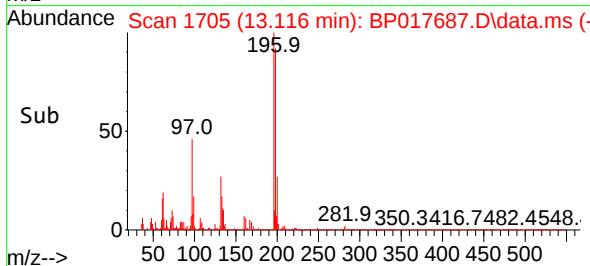
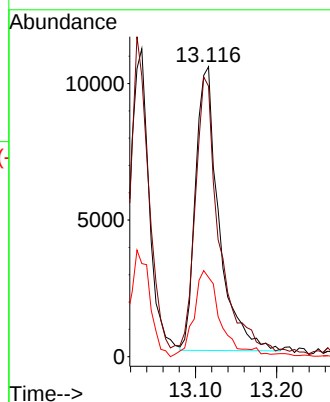
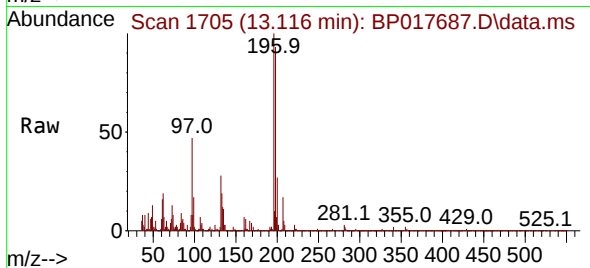
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 196   | Resp: | 20924 |
| Ion Ratio | Lower | Upper |       |
| 196       | 100   |       |       |
| 198       | 93.3  | 73.0  | 109.4 |
| 200       | 27.4  | 23.9  | 35.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#43

1,1'-Biphenyl

Concen: 3.810 ng/ul

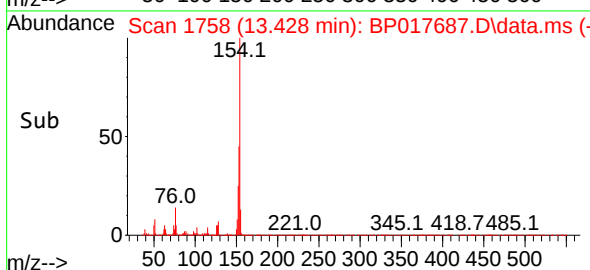
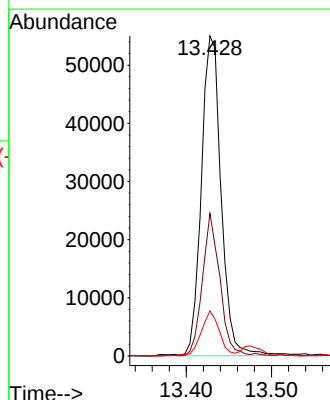
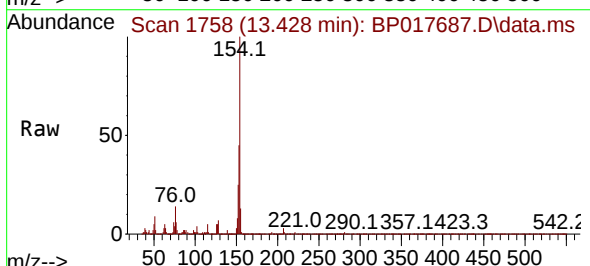
RT: 13.428 min Scan# 1758

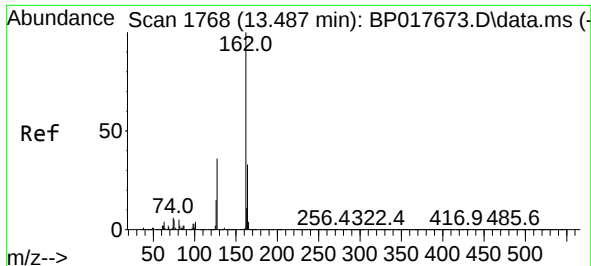
Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 154   | Resp: | 88676 |
| Ion Ratio | Lower | Upper |       |
| 154       | 100   |       |       |
| 153       | 44.5  | 32.5  | 48.7  |
| 76        | 14.1  | 10.4  | 15.6  |





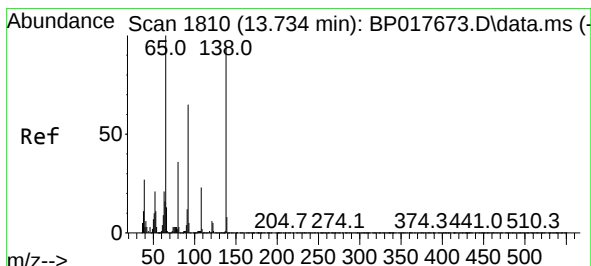
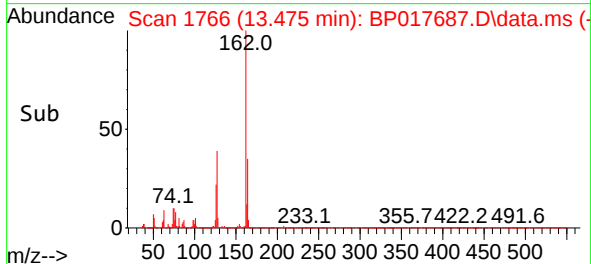
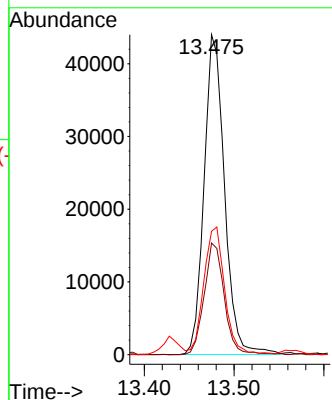
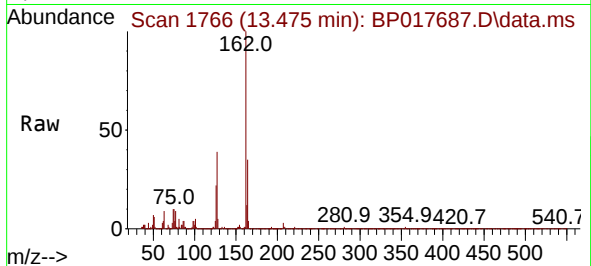
#44  
2-Chloronaphthalene  
Concen: 3.741 ng/ul  
RT: 13.475 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument : BNA\_P  
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

Tgt Ion:162 Resp: 6965  
Ion Ratio Lower Upper  
162 100  
164 34.9 26.5 39.7  
127 38.5 31.4 47.0

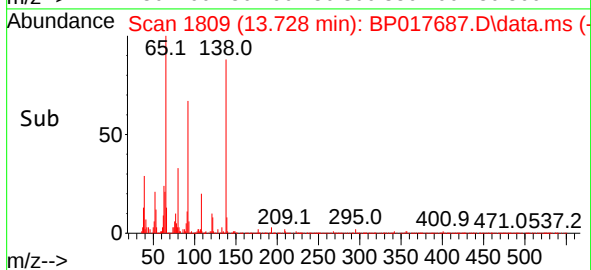
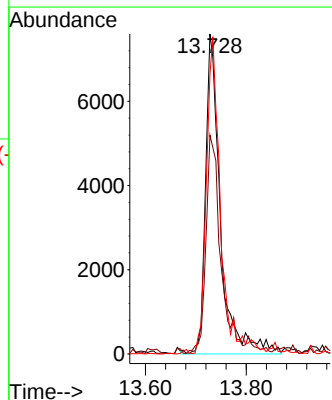
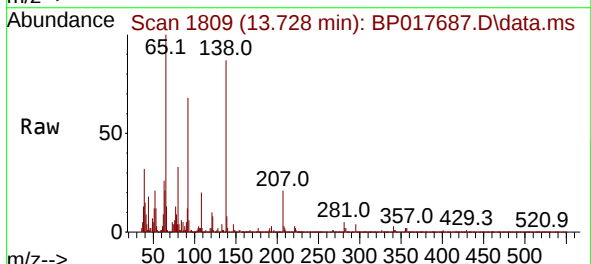
Manual Integrations  
APPROVED

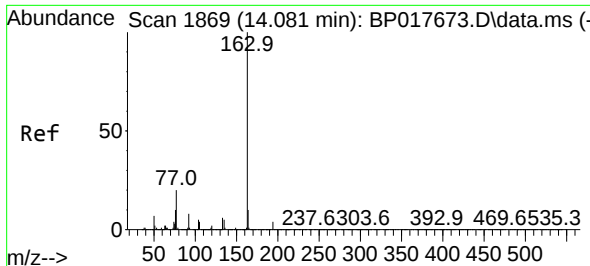
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#45  
2-Nitroaniline  
Concen: 3.034 ng/ul m  
RT: 13.728 min Scan# 1809  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion: 65 Resp: 15616  
Ion Ratio Lower Upper  
65 100  
92 68.3 55.3 82.9  
138 87.3 82.8 124.2





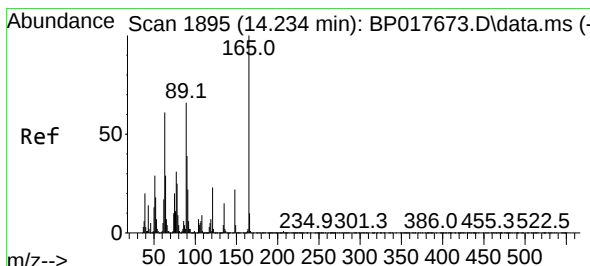
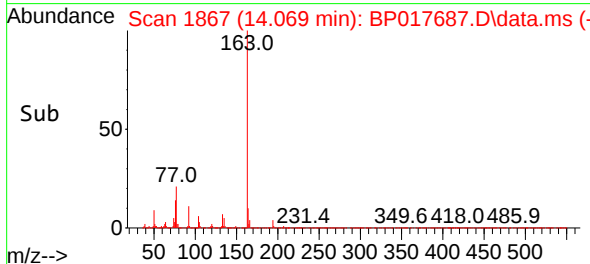
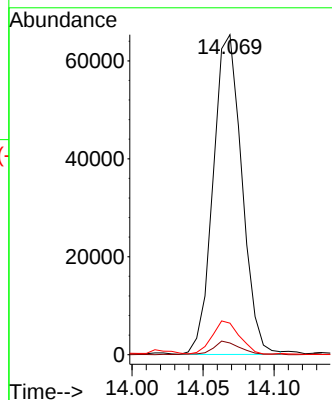
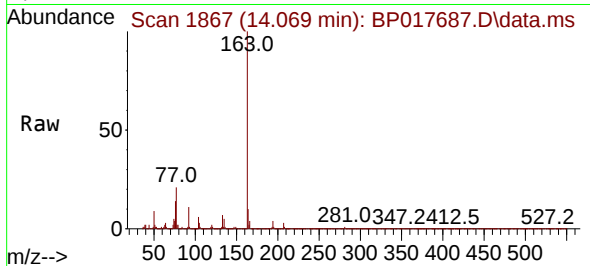
#47  
Dimethylphthalate  
Concen: 3.781 ng/ul  
RT: 14.069 min Scan# 1867  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:163 Resp: 91810  
Ion Ratio Lower Upper  
163 100  
194 3.7 3.4 5.2  
164 9.9 8.0 12.0

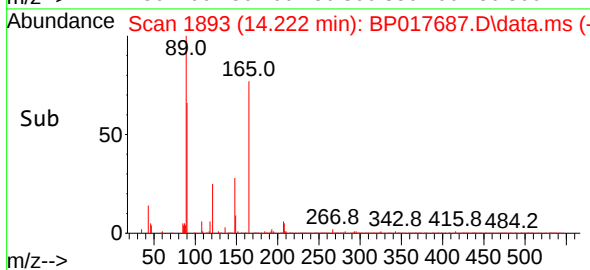
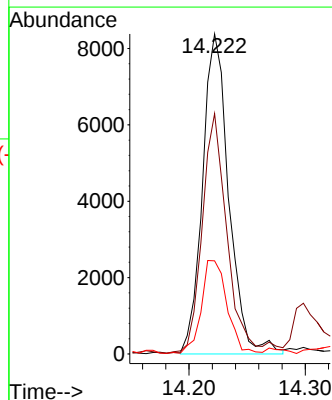
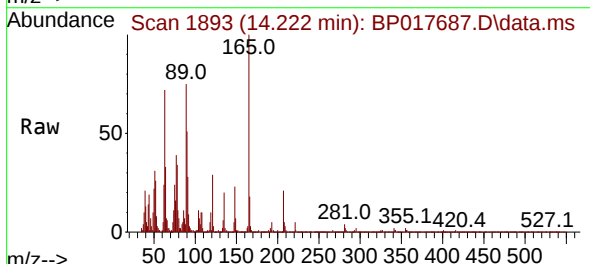
Manual Integrations  
APPROVED

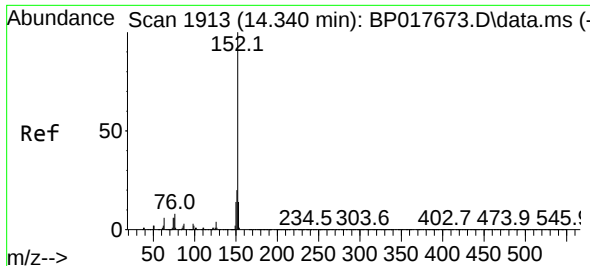
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#48  
2,6-Dinitrotoluene  
Concen: 2.936 ng/ul m  
RT: 14.222 min Scan# 1893  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

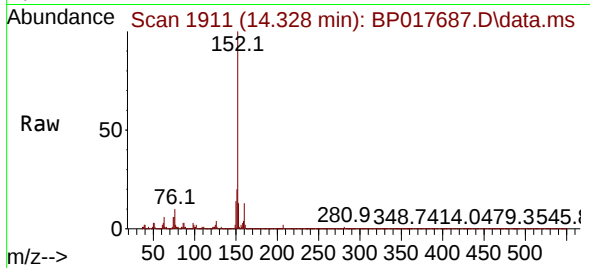
Tgt Ion:165 Resp: 13197  
Ion Ratio Lower Upper  
165 100  
89 75.1 49.0 73.4#  
121 29.1 16.5 24.7#





#50  
Acenaphthylene  
Concen: 3.703 ng/ul  
RT: 14.328 min Scan# 1911  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

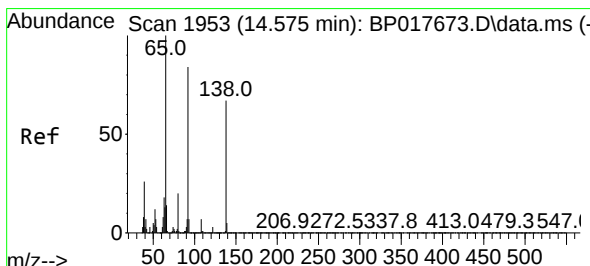
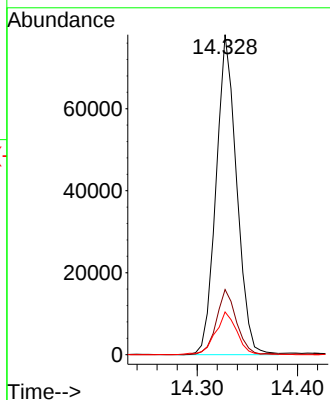
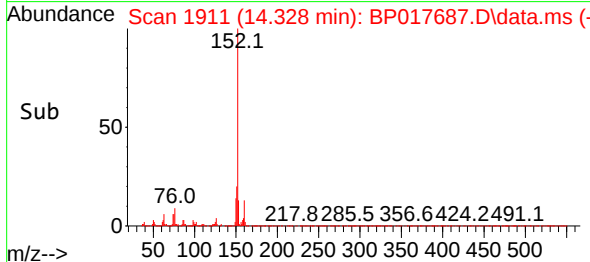
Instrument : BNA\_P  
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



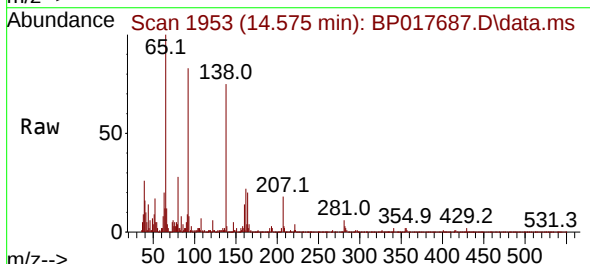
Tgt Ion:152 Resp: 110938  
Ion Ratio Lower Upper  
152 100  
151 20.4 15.8 23.8  
153 13.4 10.5 15.7

Manual Integrations  
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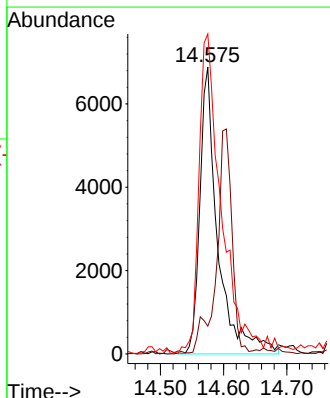
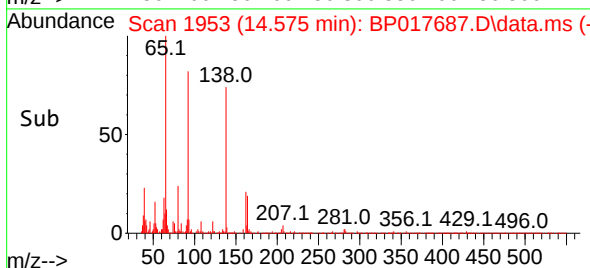
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023

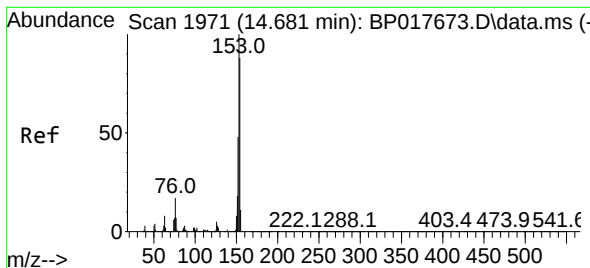


#51  
3-Nitroaniline  
Concen: 2.997 ng/ul m  
RT: 14.575 min Scan# 1953  
Delta R.T. 0.012 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56



Tgt Ion:138 Resp: 13586  
Ion Ratio Lower Upper  
138 100  
108 9.7 8.2 12.2  
92 111.5 99.0 148.6





#52

Acenaphthene

Concen: 3.953 ng/ul

RT: 14.669 min Scan# 1969

Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNP\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

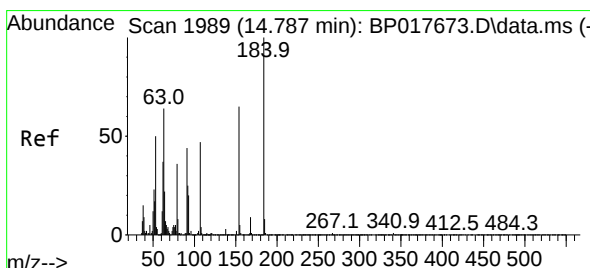
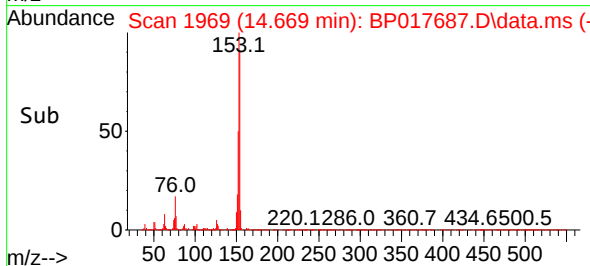
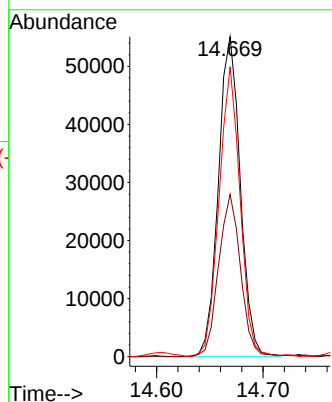
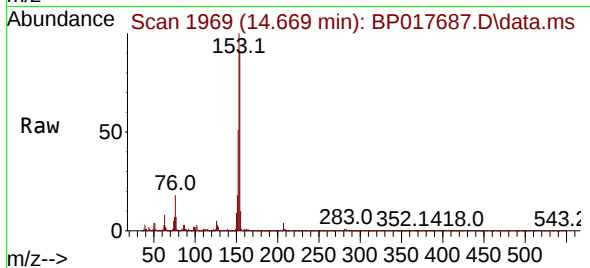
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 153   | Resp: | 7876  |
| Ion Ratio | Lower | Upper |       |
| 153       | 100   |       |       |
| 152       | 50.7  | 38.9  | 58.3  |
| 154       | 90.6  | 71.6  | 107.4 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#53

2,4-Dinitrophenol

Concen: 5.229 ng/ul

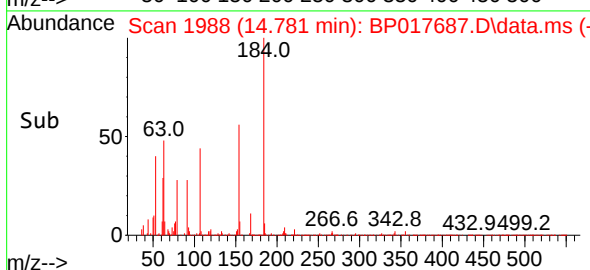
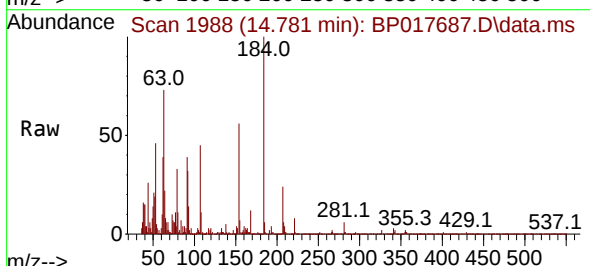
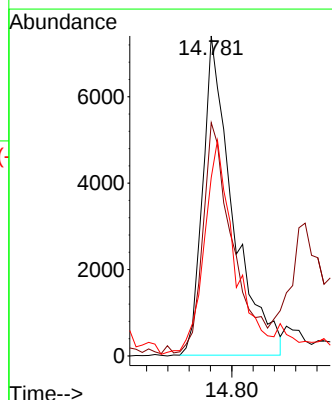
RT: 14.781 min Scan# 1988

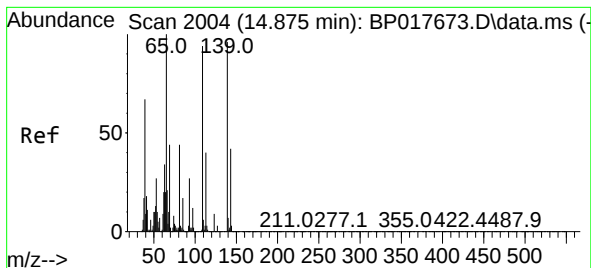
Delta R.T. 0.006 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

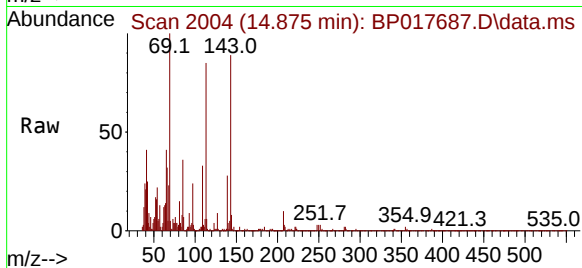
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 184   | Resp: | 14514 |
| Ion Ratio | Lower | Upper |       |
| 184       | 100   |       |       |
| 63        | 72.9  | 61.4  | 92.0  |
| 154       | 55.8  | 54.8  | 82.2  |





#55  
4-Nitrophenol  
Concen: 4.372 ng/ul m  
RT: 14.875 min Scan# 2004  
Delta R.T. 0.012 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

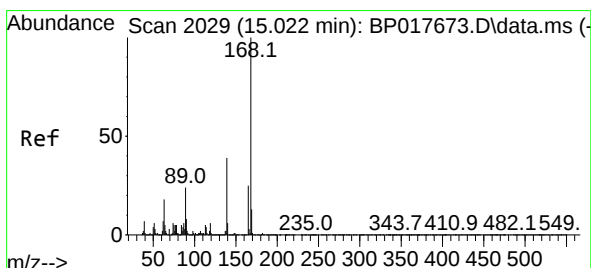
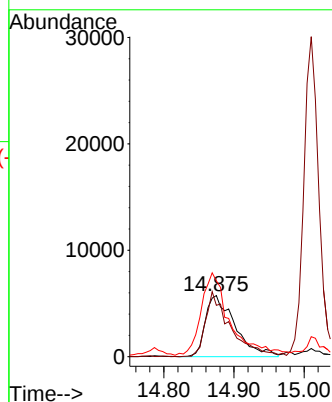
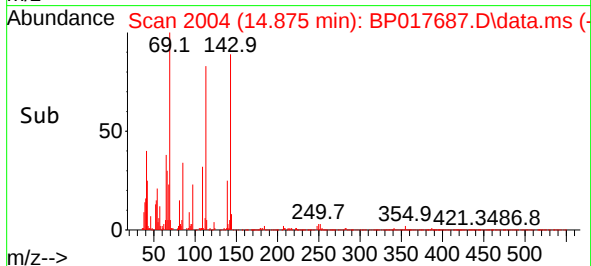
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04



Tgt Ion:109 Resp: 1684  
Ion Ratio Lower Upper  
109 100  
139 83.9 90.5 135.7  
65 124.2 95.7 143.5

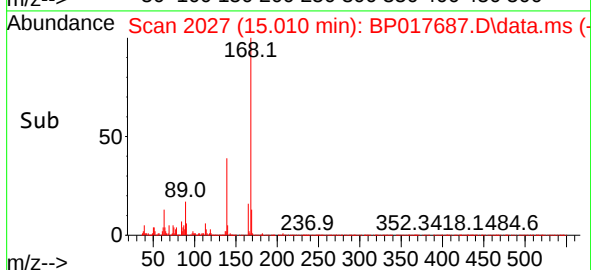
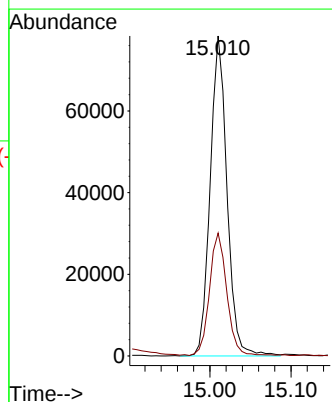
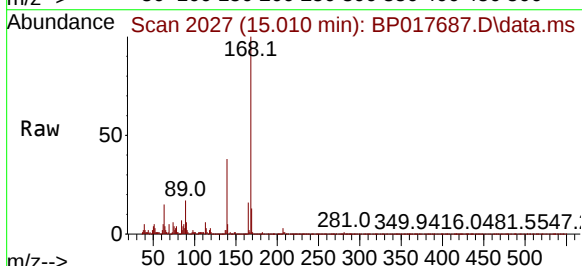
Manual Integrations  
APPROVED

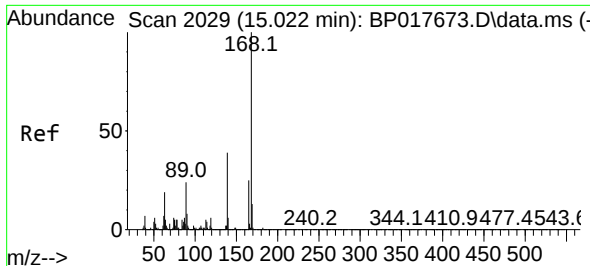
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#56  
Dibenzofuran  
Concen: 3.944 ng/ul  
RT: 15.010 min Scan# 2027  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:168 Resp: 112746  
Ion Ratio Lower Upper  
168 100  
139 38.4 30.5 45.7





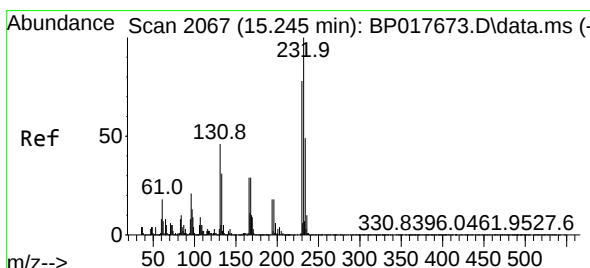
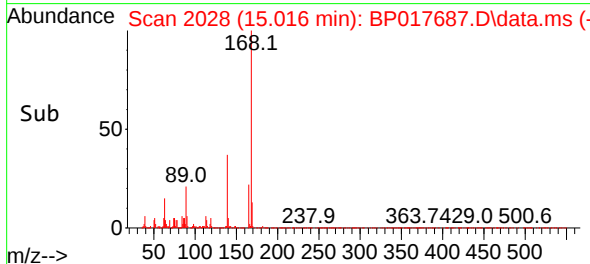
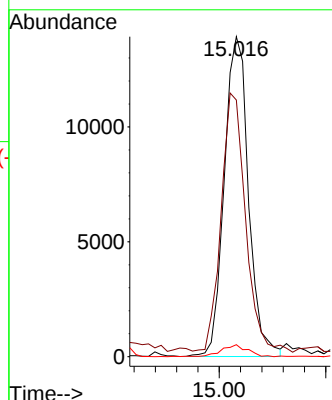
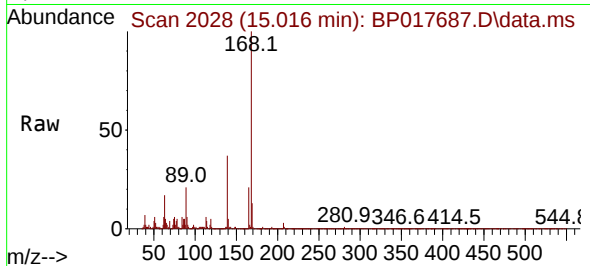
#57  
2,4-Dinitrotoluene  
Concen: 3.172 ng/ul  
RT: 15.016 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:165 Resp: 2200  
Ion Ratio Lower Upper  
165 100  
63 80.2 52.7 79.1  
182 3.7 2.2 3.4

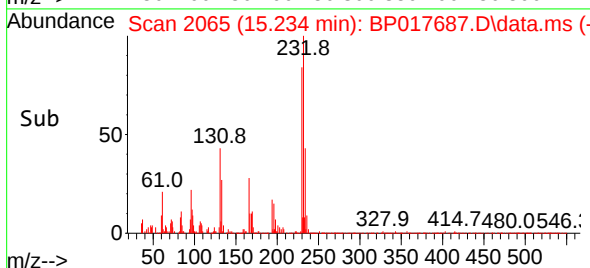
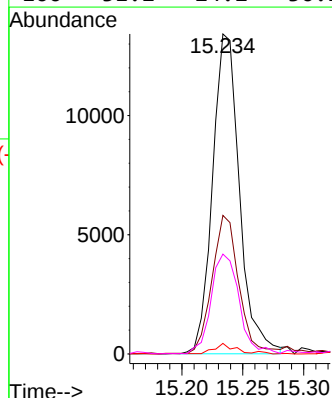
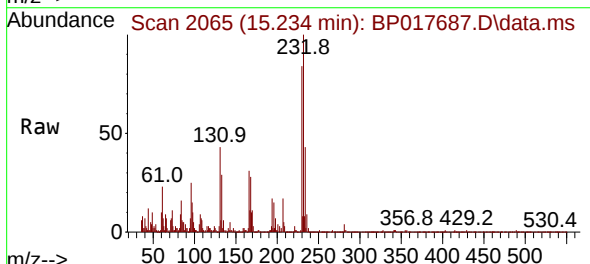
Manual Integrations  
APPROVED

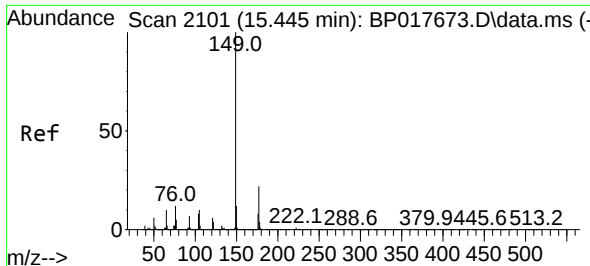
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 3.314 ng/ul  
RT: 15.234 min Scan# 2065  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

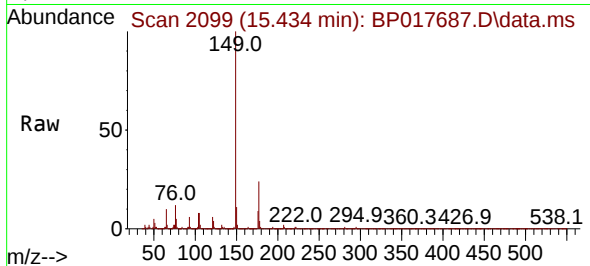
Tgt Ion:232 Resp: 20644  
Ion Ratio Lower Upper  
232 100  
131 43.3 33.6 50.4  
130 3.3 2.0 3.0  
166 31.2 24.2 36.2





#59  
Diethylphthalate  
Concen: 3.562 ng/ul  
RT: 15.434 min Scan# 2099  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

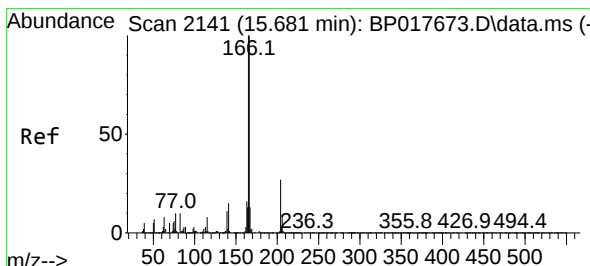
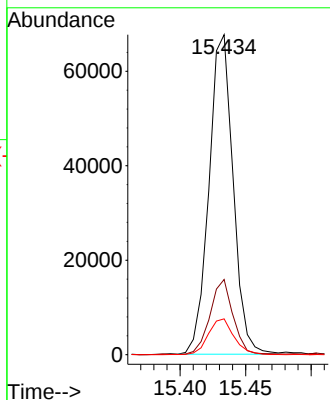
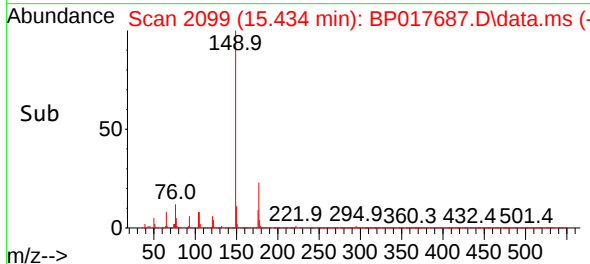
Instrument : BNA\_P  
ClientSampleId : MDL-MED-SOIL-QT2-2023-04



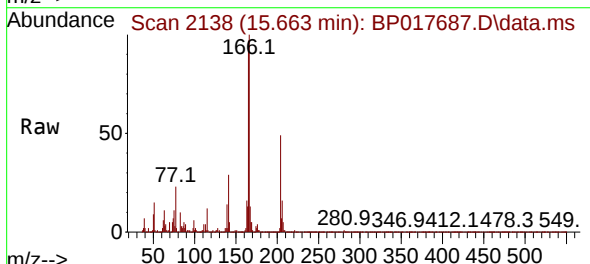
Tgt Ion:149 Resp: 8678  
Ion Ratio Lower Upper  
149 100  
177 23.5 17.9 26.9  
150 11.2 10.1 15.1

Manual Integrations  
APPROVED

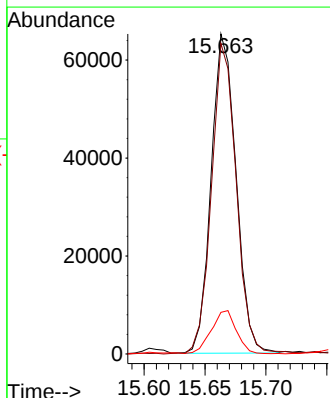
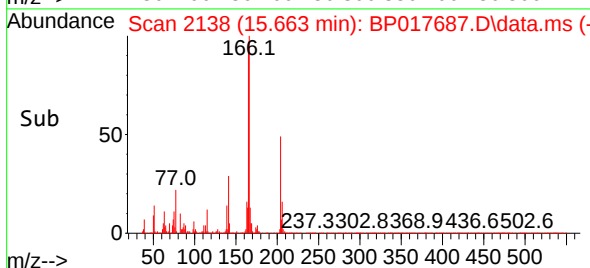
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023

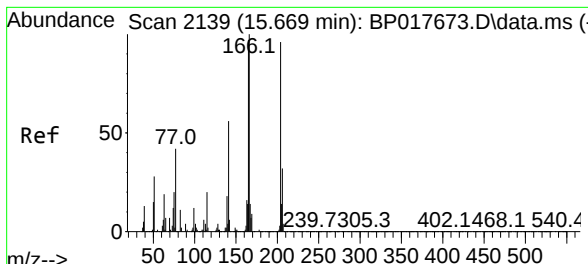


#61  
Fluorene  
Concen: 3.937 ng/ul  
RT: 15.663 min Scan# 2138  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56



Tgt Ion:166 Resp: 92786  
Ion Ratio Lower Upper  
166 100  
165 97.0 79.6 119.4  
167 13.0 11.1 16.7





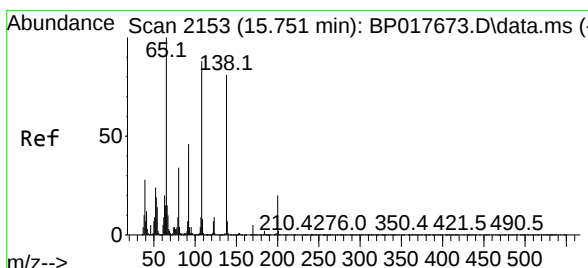
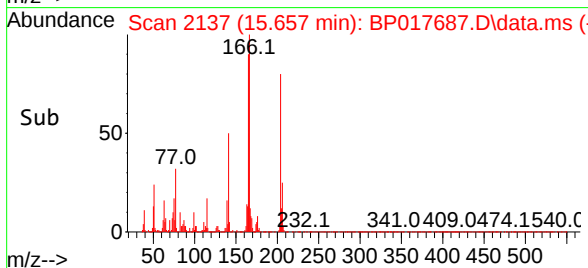
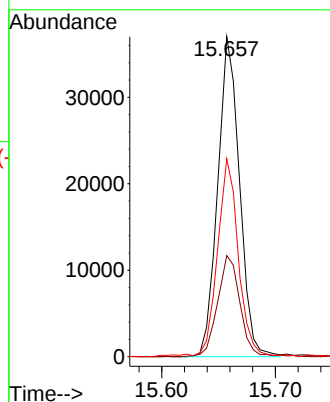
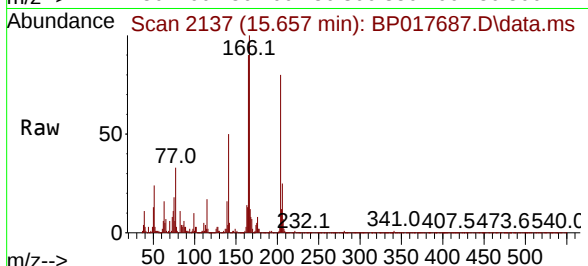
#62  
4-Chlorophenyl-phenylether  
Concen: 3.939 ng/ul  
RT: 15.657 min Scan# 2137  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument : BNA\_P  
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 204   | Resp: | 4936 |
| Ion Ratio | Lower | Upper |      |
| 204       | 100   |       |      |
| 206       | 31.6  | 26.6  | 40.0 |
| 141       | 61.9  | 43.9  | 65.9 |

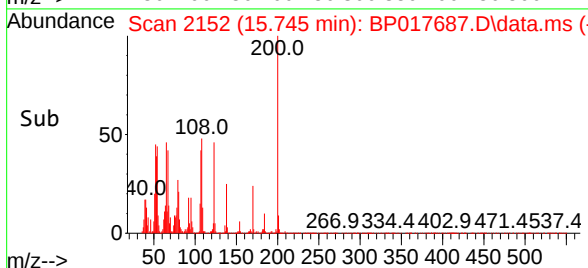
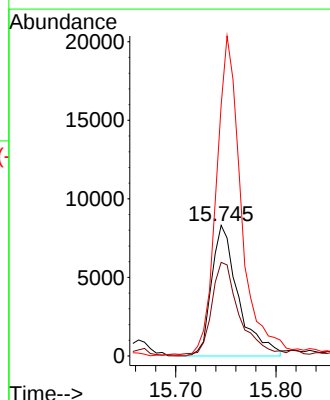
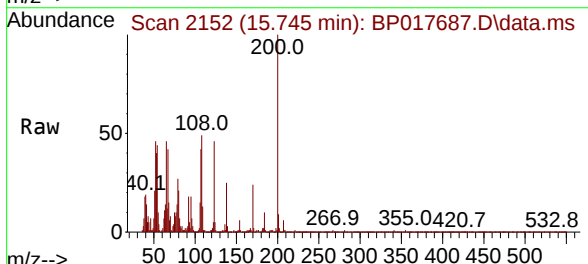
Manual Integrations  
APPROVED

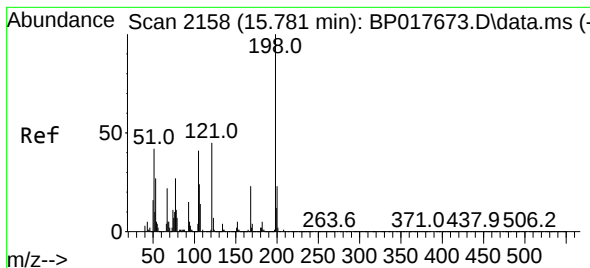
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#63  
4-Nitroaniline  
Concen: 3.428 ng/ul  
RT: 15.745 min Scan# 2152  
Delta R.T. 0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 138   | Resp: | 15443 |
| Ion Ratio | Lower | Upper |       |
| 138       | 100   |       |       |
| 92        | 71.7  | 43.0  | 64.6  |
| 108       | 192.2 | 82.2  | 123.4 |





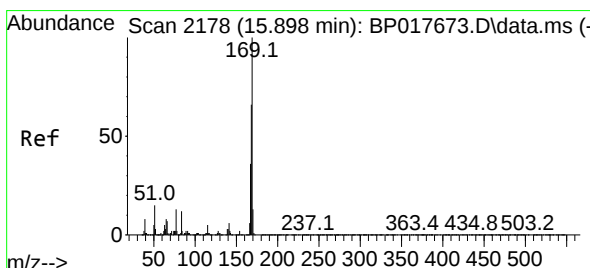
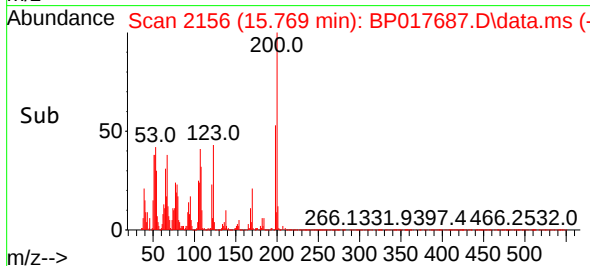
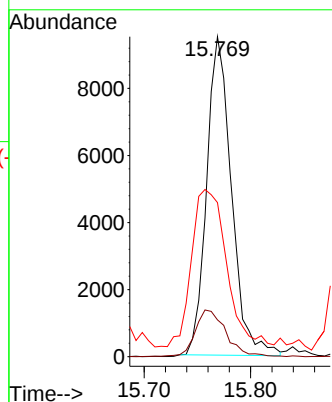
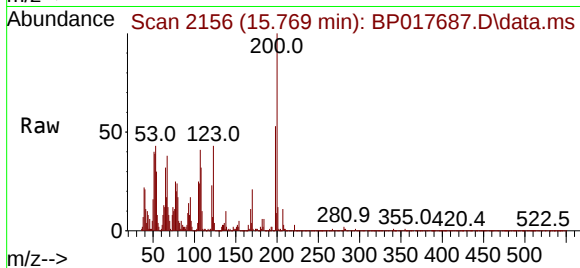
#66  
4,6-Dinitro-2-methylphenol  
Concen: 2.953 ng/ul  
RT: 15.769 min Scan# 2158  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:198 Resp: 1539  
Ion Ratio Lower Upper  
198 100  
182 11.5 3.4 5.0  
77 48.1 23.0 34.6

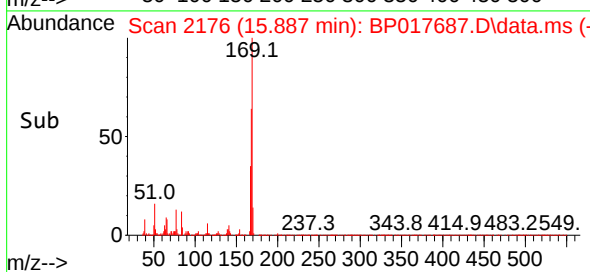
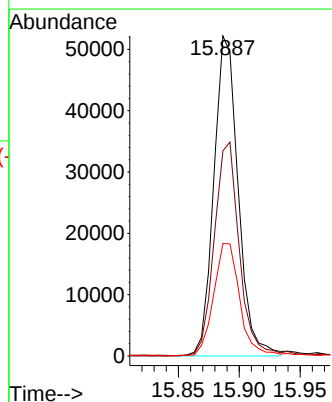
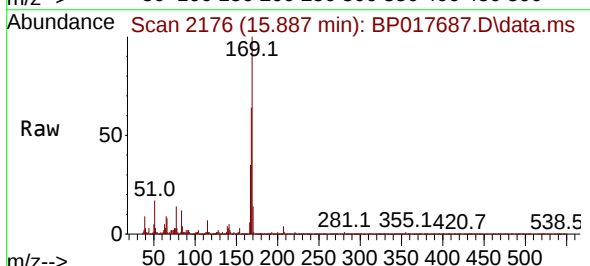
Manual Integrations  
APPROVED

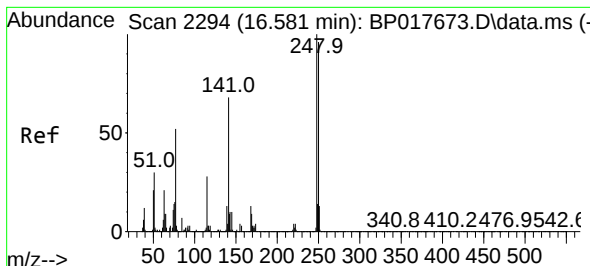
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#67  
N-Nitrosodiphenylamine  
Concen: 3.455 ng/ul  
RT: 15.887 min Scan# 2176  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

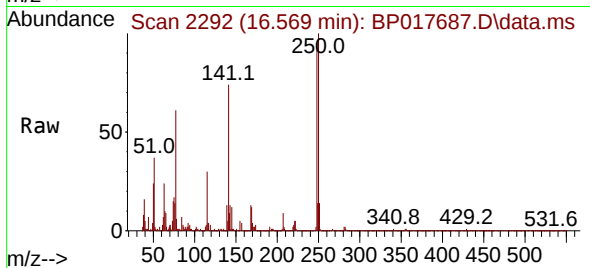
Tgt Ion:169 Resp: 72687  
Ion Ratio Lower Upper  
169 100  
168 64.1 53.3 79.9  
167 35.1 29.6 44.4





#68  
4-Bromophenyl-phenylether  
Concen: 3.355 ng/ul  
RT: 16.569 min Scan# 2105  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

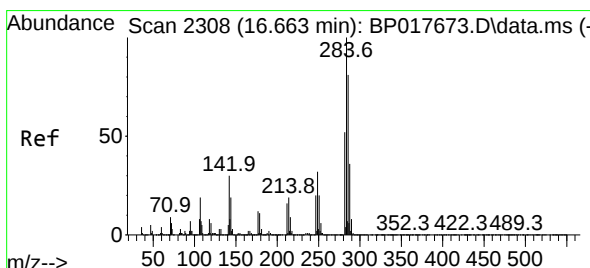
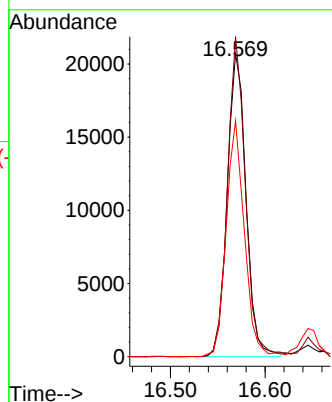
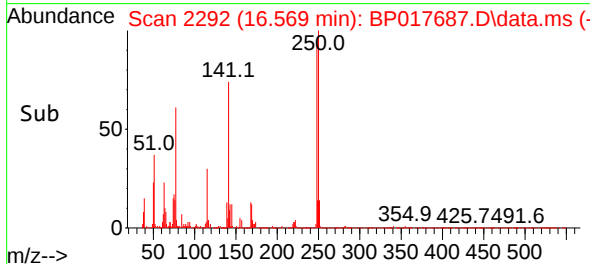
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04



Tgt Ion:248 Resp: 28480  
Ion Ratio Lower Upper  
248 100  
250 105.6 75.9 113.9  
141 77.8 57.2 85.8

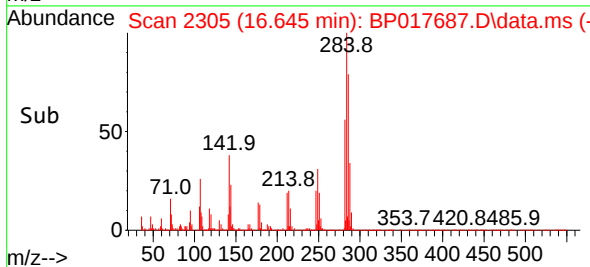
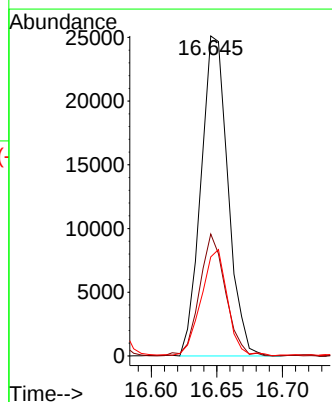
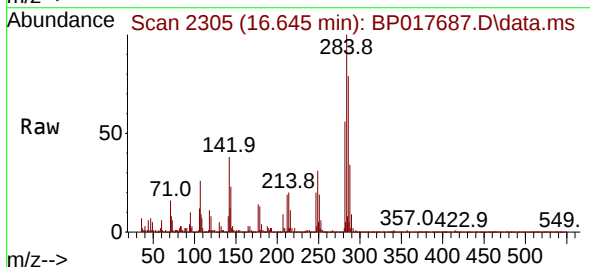
Manual Integrations  
APPROVED

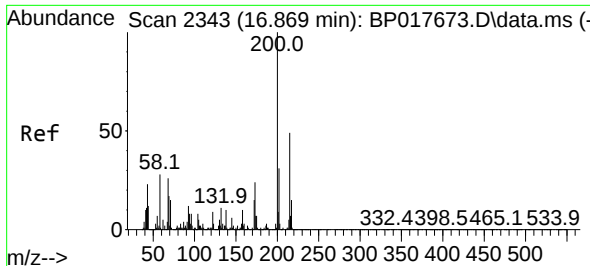
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#69  
Hexachlorobenzene  
Concen: 3.564 ng/ul  
RT: 16.645 min Scan# 2305  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

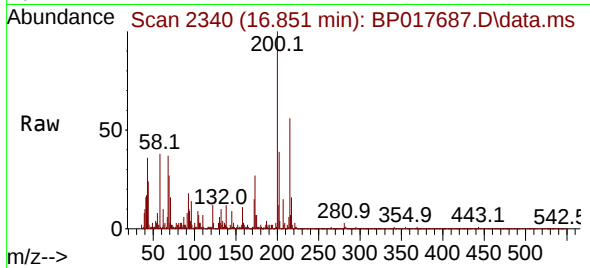
Tgt Ion:284 Resp: 36005  
Ion Ratio Lower Upper  
284 100  
142 38.1 25.8 38.6  
249 31.0 24.9 37.3





#70  
Atrazine  
Concen: 3.163 ng/ul  
RT: 16.851 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

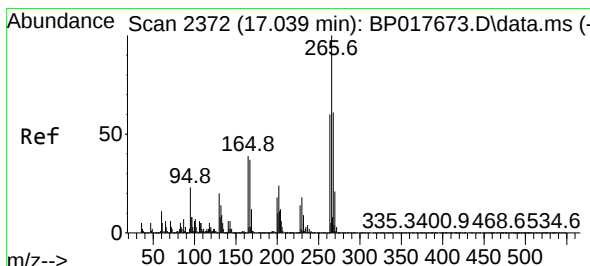
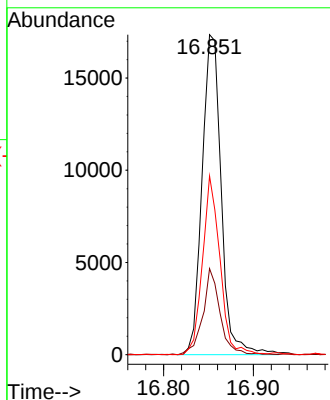
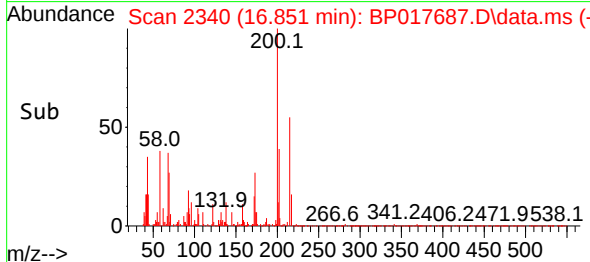
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04



Tgt Ion:200 Resp: 2575  
Ion Ratio Lower Upper  
200 100  
173 26.9 19.9 29.9  
215 55.9 37.8 56.6

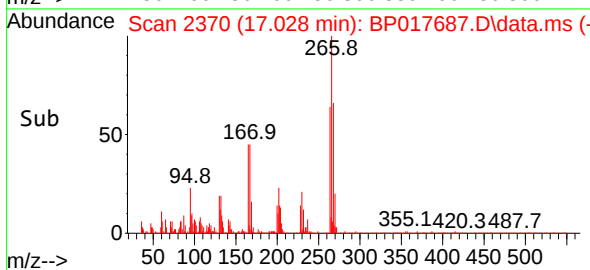
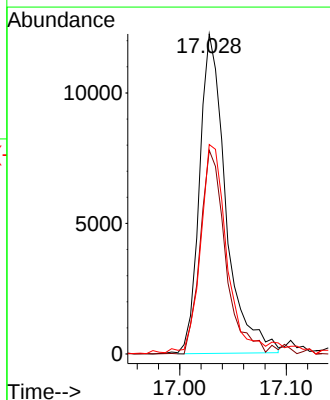
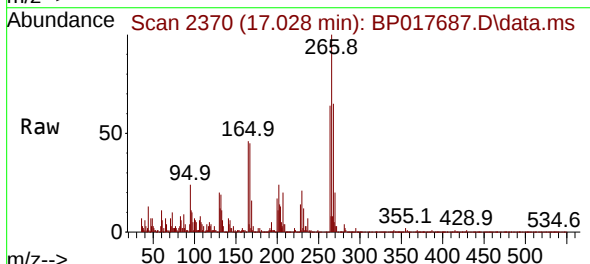
Manual Integrations  
APPROVED

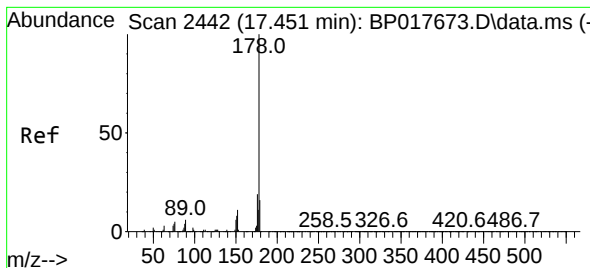
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#71  
Pentachlorophenol  
Concen: 3.435 ng/ul  
RT: 17.028 min Scan# 2370  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:266 Resp: 21021  
Ion Ratio Lower Upper  
266 100  
264 63.6 49.2 73.8  
268 65.4 51.8 77.6





#72

Phenanthrene

Concen: 3.747 ng/ul

RT: 17.439 min Scan# 2442

Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNP\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

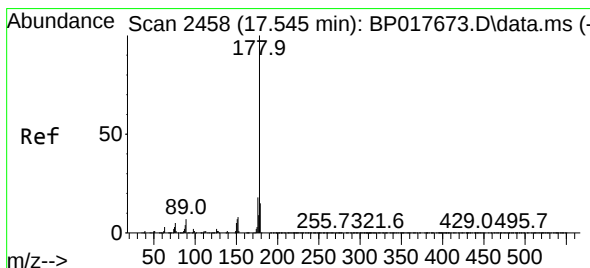
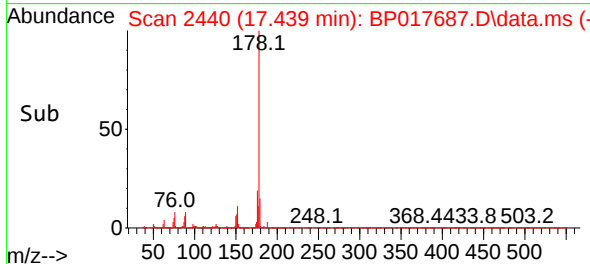
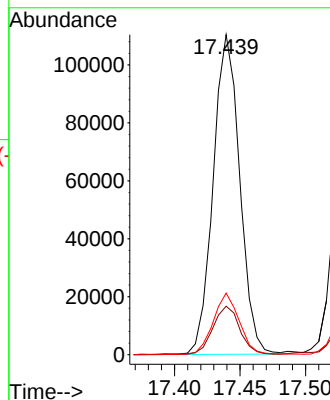
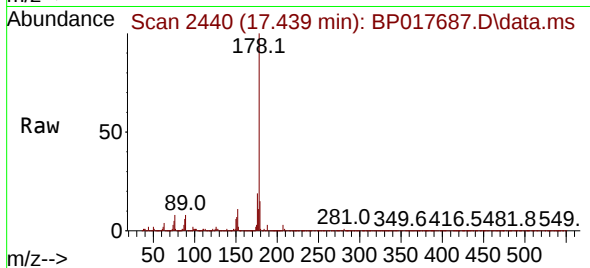
|             |                |
|-------------|----------------|
| Tgt Ion:178 | Resp: 155214   |
| Ion Ratio   | Lower Upper    |
| 178         | 100            |
| 179         | 15.2 12.1 18.1 |
| 176         | 19.3 15.3 22.9 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#74

Anthracene

Concen: 3.754 ng/ul

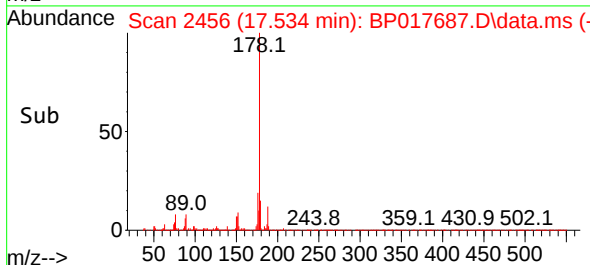
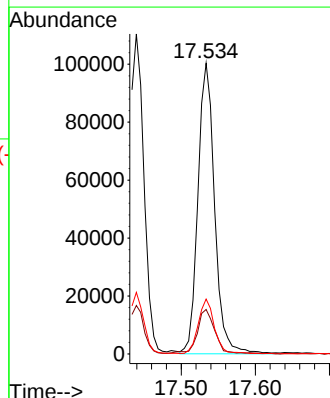
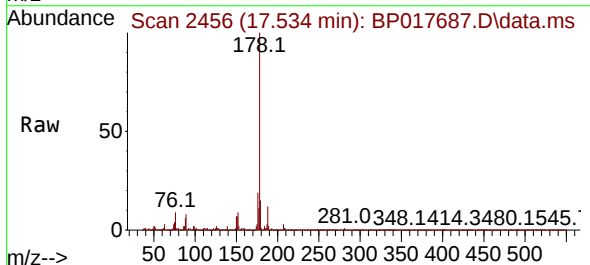
RT: 17.534 min Scan# 2456

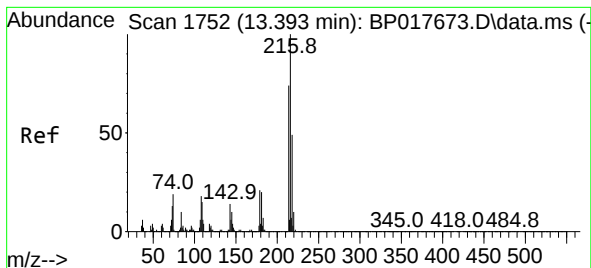
Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

|             |                |
|-------------|----------------|
| Tgt Ion:178 | Resp: 157304   |
| Ion Ratio   | Lower Upper    |
| 178         | 100            |
| 179         | 15.3 12.3 18.5 |
| 176         | 18.9 14.6 22.0 |





#75

1,2,3,4-Tetrachlorobenzene

Concen: 3.434 ng/uL

RT: 13.381 min Scan# 1

Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNA\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

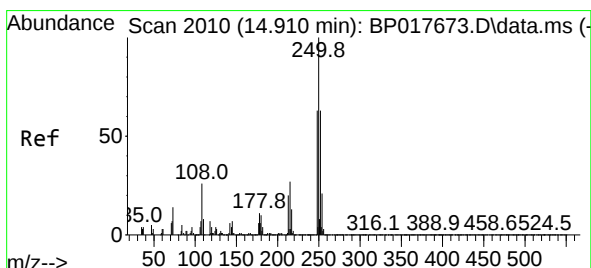
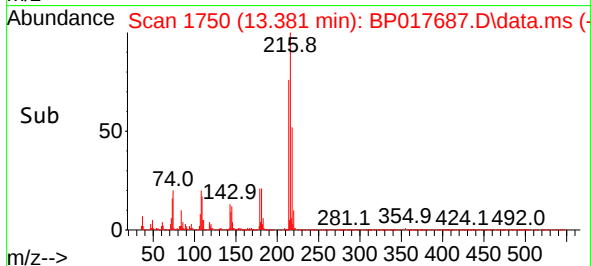
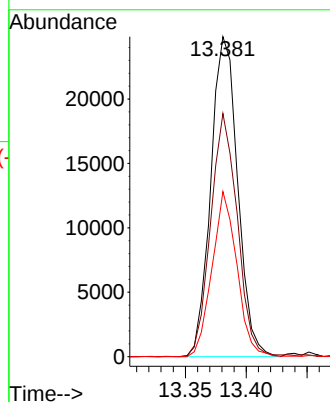
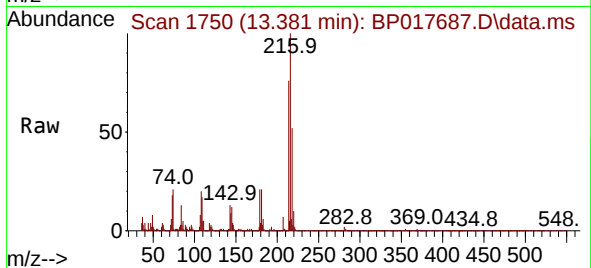
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 216   | Resp: | 38150 |
| Ion Ratio | Lower | Upper |       |
| 216       | 100   |       |       |
| 214       | 76.0  | 62.9  | 94.3  |
| 218       | 51.6  | 38.6  | 58.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#76

Pentachlorobenzene

Concen: 3.841 ng/uL

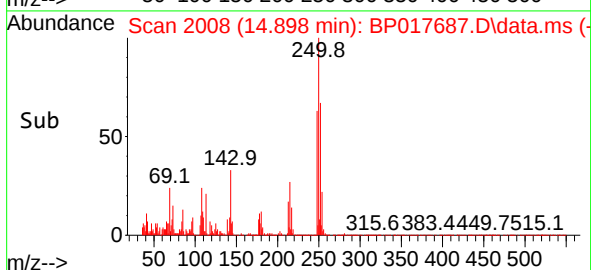
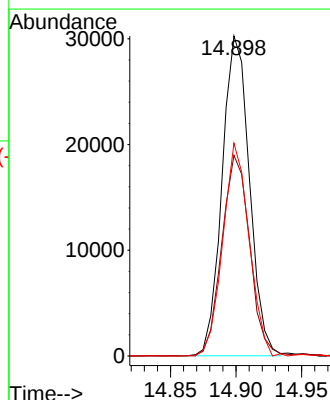
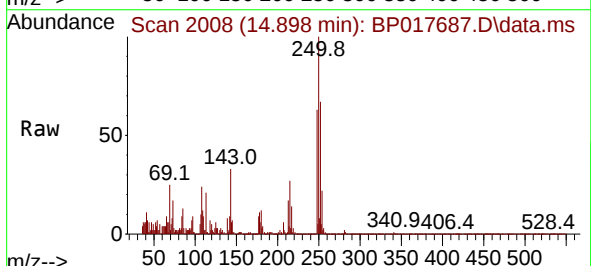
RT: 14.898 min Scan# 2008

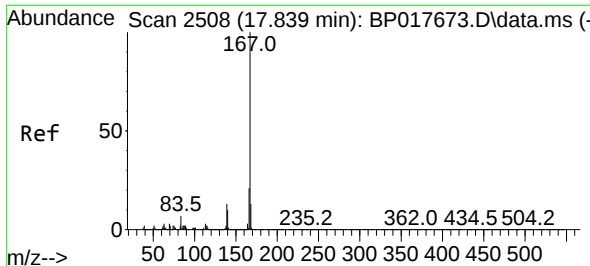
Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 250   | Resp: | 43794 |
| Ion Ratio | Lower | Upper |       |
| 250       | 100   |       |       |
| 248       | 62.7  | 50.8  | 76.2  |
| 252       | 66.5  | 49.9  | 74.9  |





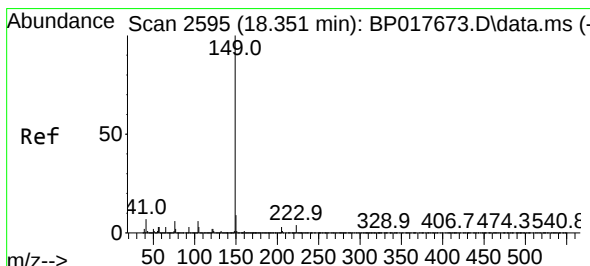
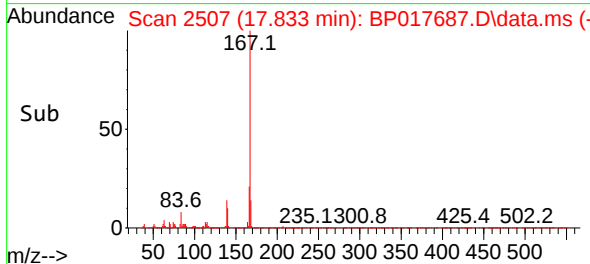
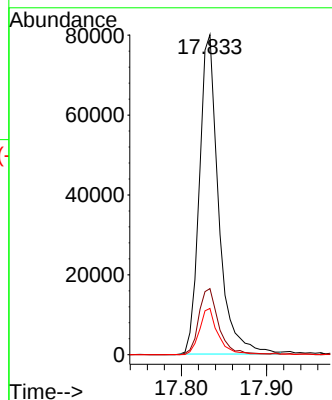
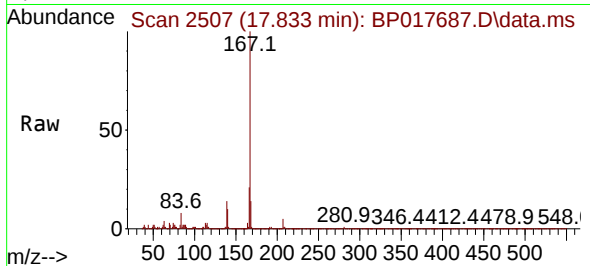
#77  
Carbazole  
Concen: 3.300 ng/ul  
RT: 17.833 min Scan# 2507  
Delta R.T. 0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:167 Resp: 125199  
Ion Ratio Lower Upper  
167 100  
166 20.6 17.0 25.6  
139 14.5 10.2 15.2

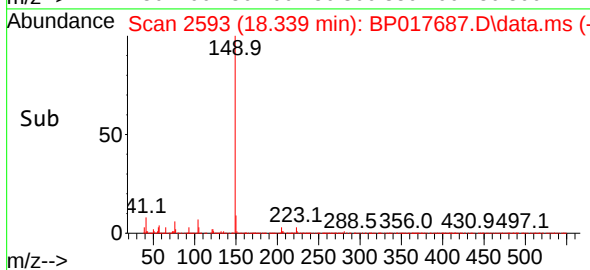
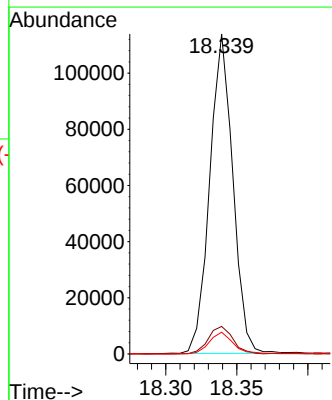
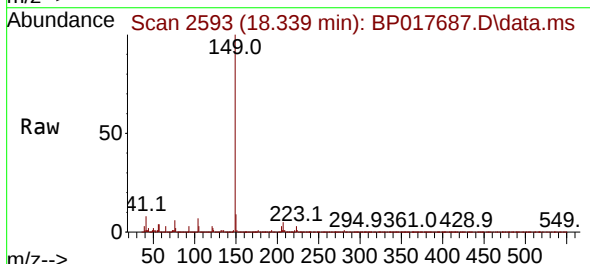
Manual Integrations  
APPROVED

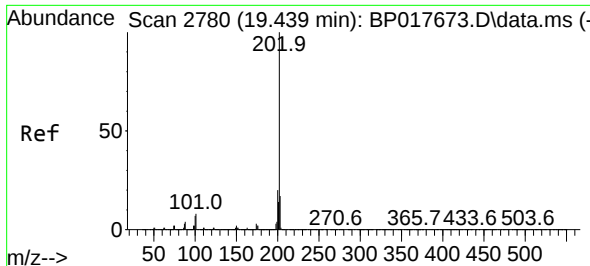
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#78  
Di-n-butylphthalate  
Concen: 2.755 ng/ul  
RT: 18.339 min Scan# 2593  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

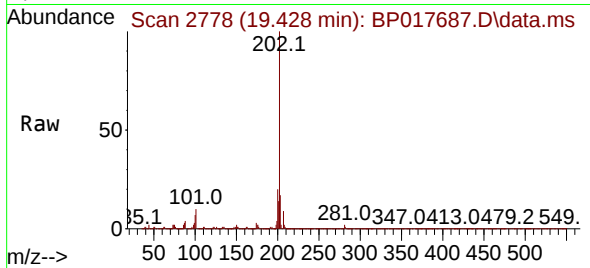
Tgt Ion:149 Resp: 128741  
Ion Ratio Lower Upper  
149 100  
150 8.6 7.4 11.0  
104 6.8 4.6 6.8





#80  
Fluoranthene  
Concen: 3.342 ng/ul  
RT: 19.428 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

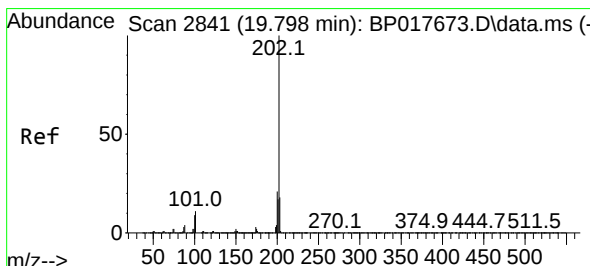
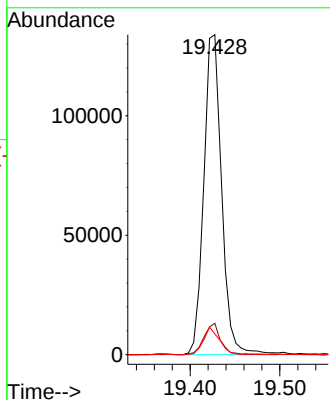
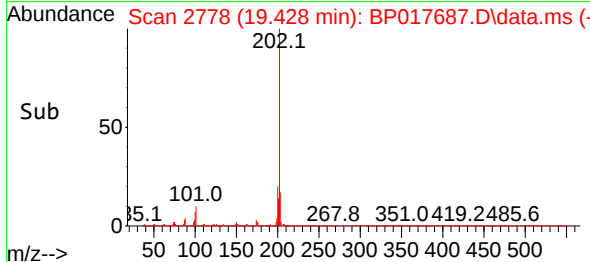
Instrument :  
BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04



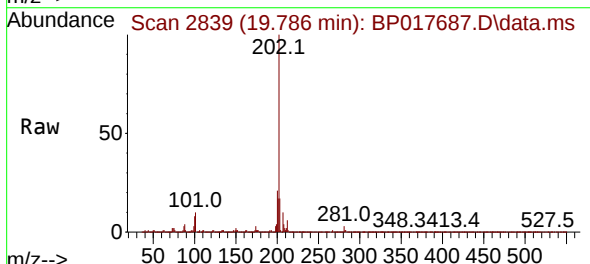
Tgt Ion:202 Resp: 184920  
Ion Ratio Lower Upper  
202 100  
101 9.8 7.0 10.6  
100 6.5 5.8 8.6

Manual Integrations  
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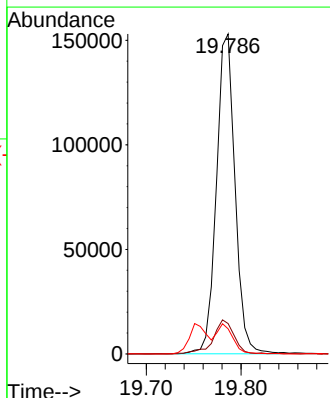
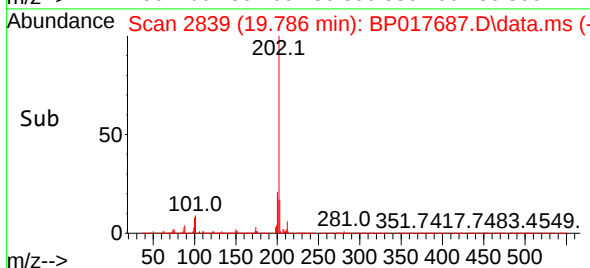
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023

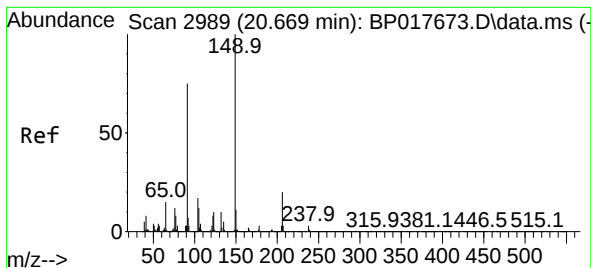


#82  
Pyrene  
Concen: 3.611 ng/ul  
RT: 19.786 min Scan# 2839  
Delta R.T. -0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56



Tgt Ion:202 Resp: 208726  
Ion Ratio Lower Upper  
202 100  
101 9.5 8.8 13.2  
100 7.9 7.4 11.0





#83

Butylbenzylphthalate

Concen: 2.451 ng/ul

RT: 20.657 min Scan# 2989

Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNA\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

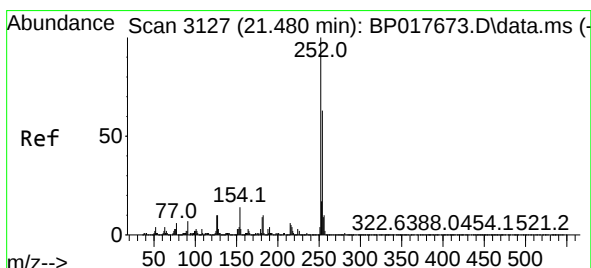
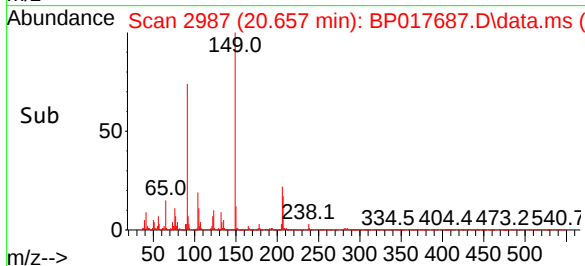
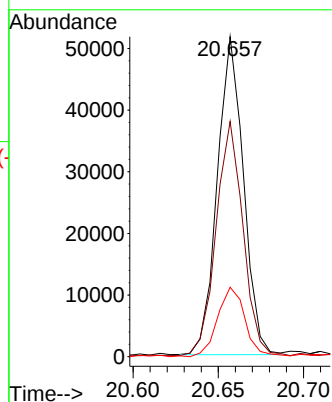
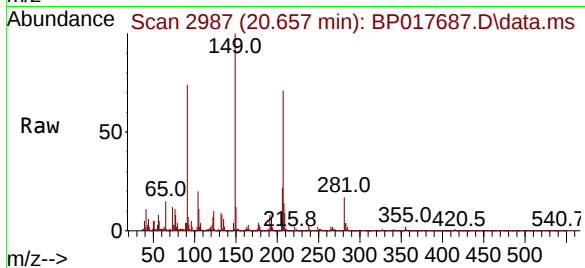
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 5512 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 91        | 73.5  | 59.6  | 89.4 |
| 206       | 21.7  | 17.2  | 25.8 |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#84

3,3'-Dichlorobenzidine

Concen: 3.530 ng/ul

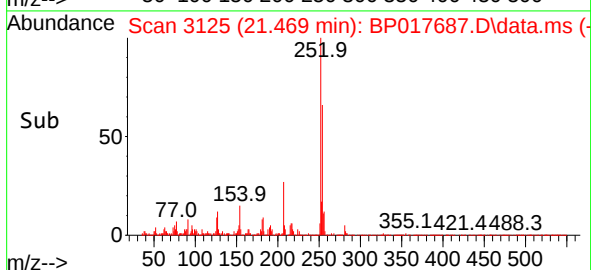
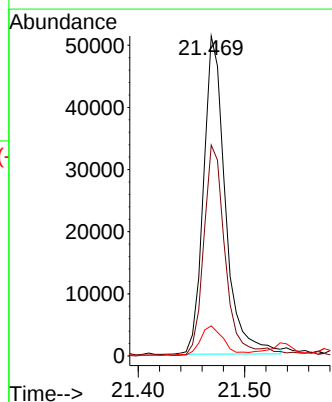
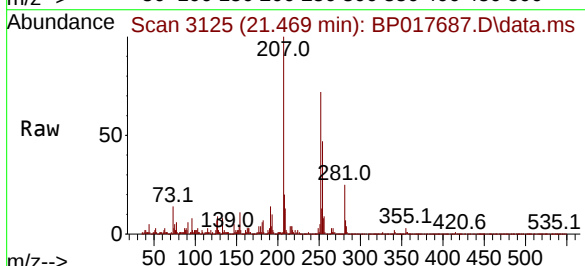
RT: 21.469 min Scan# 3125

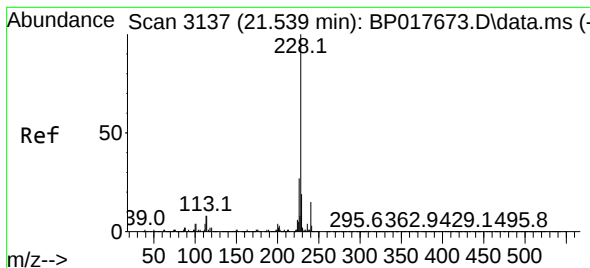
Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 72742 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 65.9  | 51.8  | 77.6  |
| 126       | 9.4   | 8.1   | 12.1  |





#85

Benzo(a)anthracene

Concen: 3.529 ng/ul

RT: 21.522 min Scan# 3137

Delta R.T. -0.006 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNA\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion:228 Resp: 21764

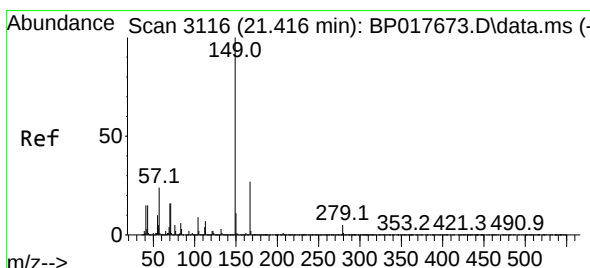
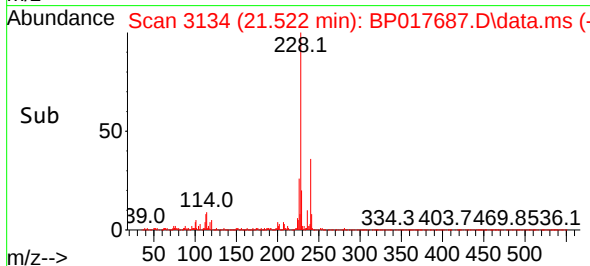
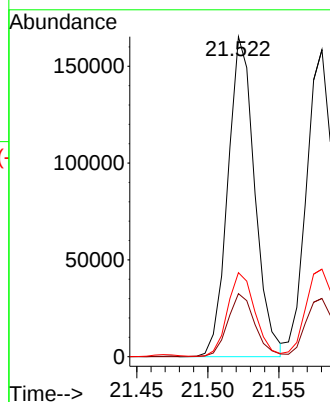
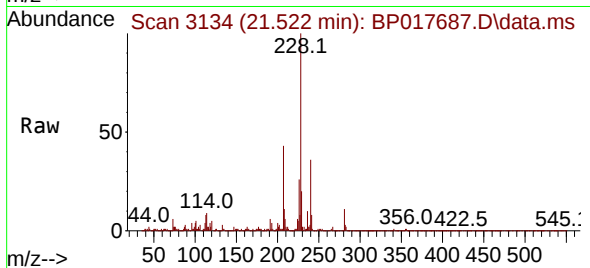
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 228 | 100   |       |       |
| 229 | 19.7  | 15.4  | 23.2  |
| 226 | 26.2  | 21.4  | 32.0  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 2.184 ng/ul

RT: 21.404 min Scan# 3114

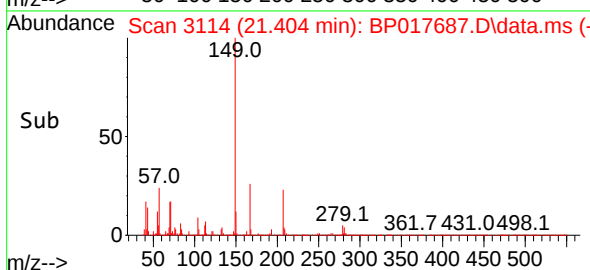
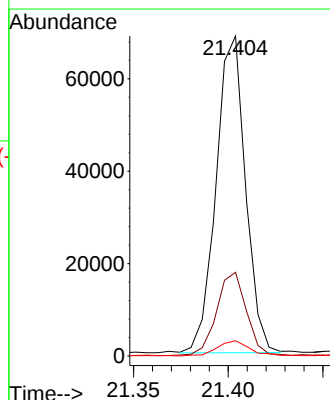
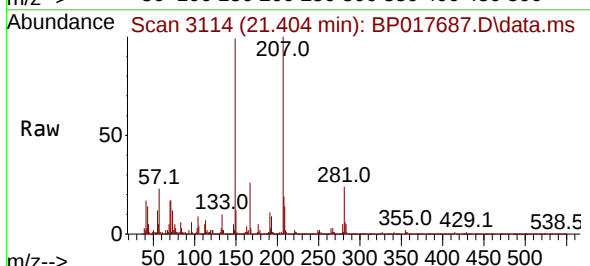
Delta R.T. 0.000 min

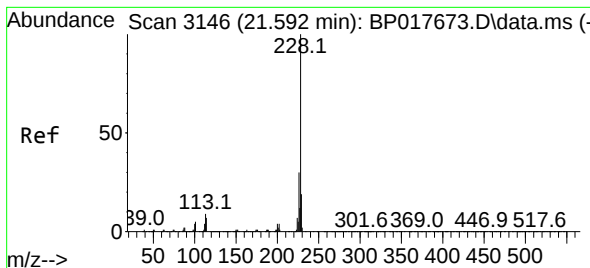
Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Tgt Ion:149 Resp: 74250

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 167 | 26.1  | 21.7  | 32.5  |
| 279 | 4.7   | 3.7   | 5.5   |





#87

Chrysene

Concen: 3.766 ng/ul

RT: 21.580 min Scan# 3146

Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNA\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

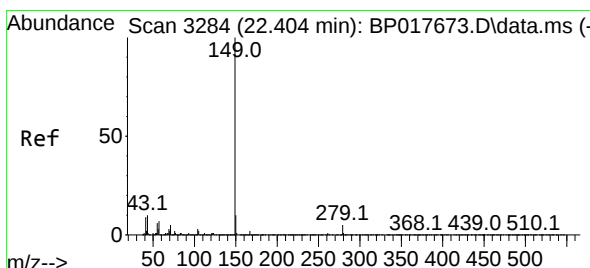
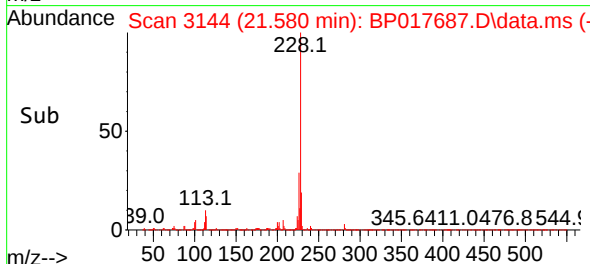
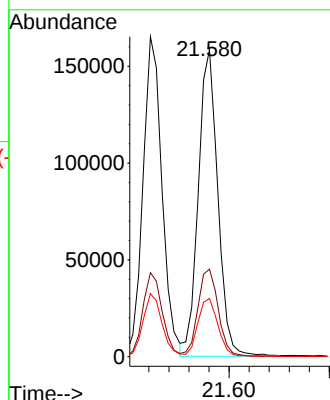
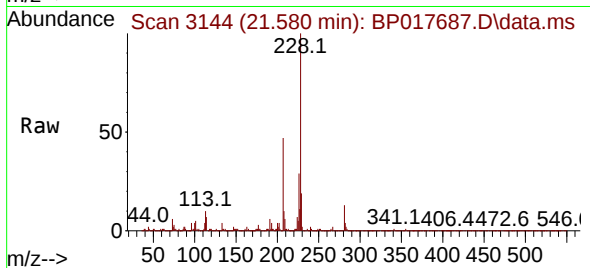
Tgt Ion:228 Resp: 214352  
 Ion Ratio Lower Upper  
 228 100  
 226 28.5 24.2 36.4  
 229 19.0 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#89

Di-n-octyl phthalate

Concen: 2.184 ng/ul

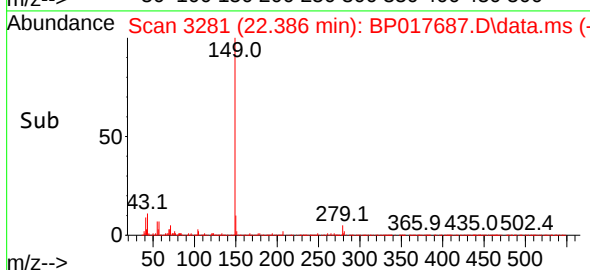
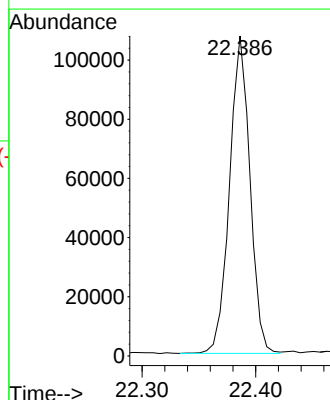
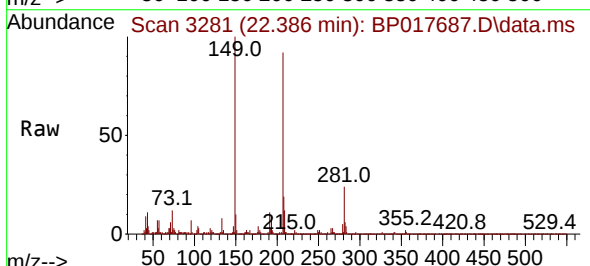
RT: 22.386 min Scan# 3281

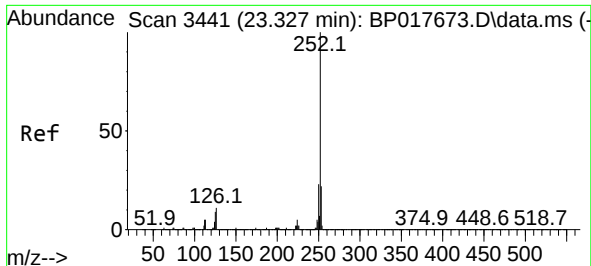
Delta R.T. 0.000 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Tgt Ion:149 Resp: 133622





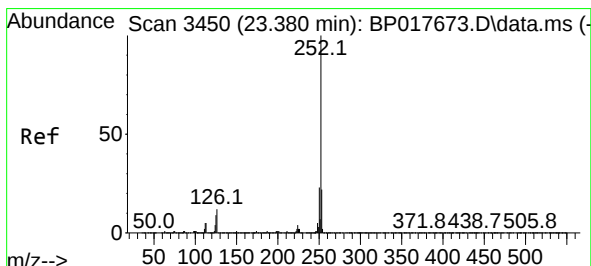
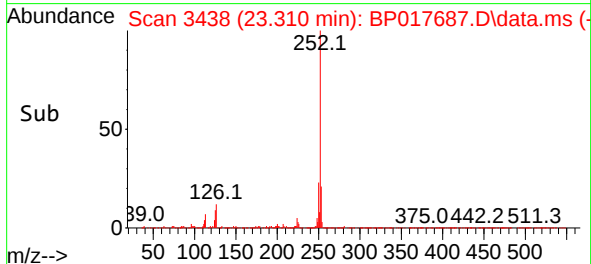
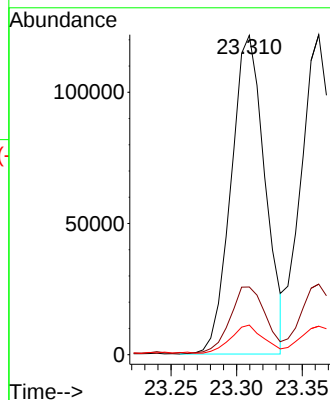
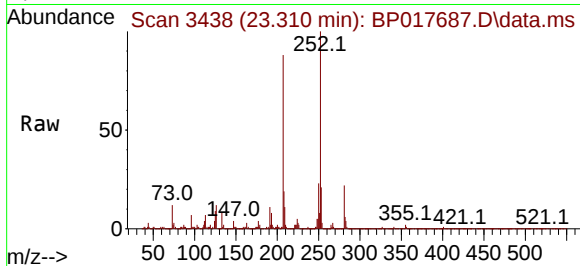
#90  
Benzo(b)fluoranthene  
Concen: 3.421 ng/ul  
RT: 23.310 min Scan# 3440  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Instrument : BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:252 Resp: 218359  
Ion Ratio Lower Upper  
252 100  
253 21.2 17.3 25.9  
125 9.3 6.9 10.3

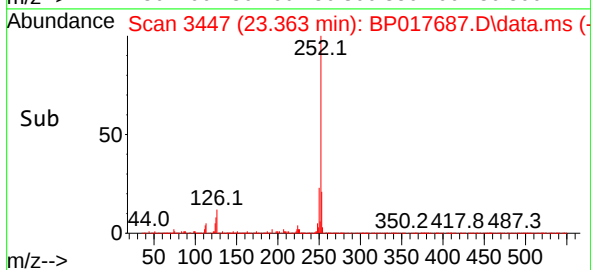
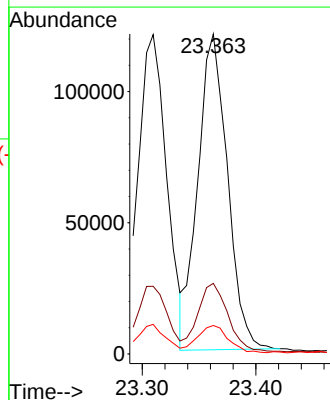
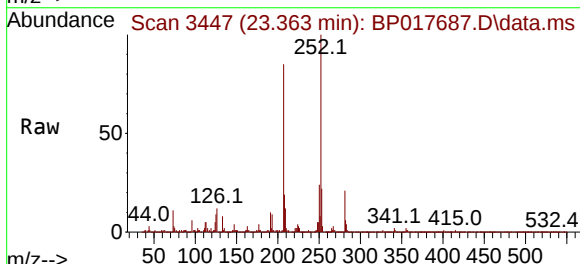
Manual Integrations  
APPROVED

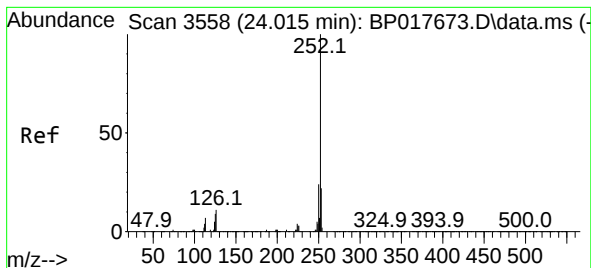
Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#91  
Benzo(k)fluoranthene  
Concen: 3.429 ng/ul  
RT: 23.363 min Scan# 3447  
Delta R.T. -0.006 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:252 Resp: 217720  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.4 26.0  
125 8.9 6.3 9.5





#93

Benzo(a)pyrene

Concen: 3.473 ng/ul

RT: 23.992 min Scan# 30

Delta R.T. -0.006 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

Instrument :

BNA\_P

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

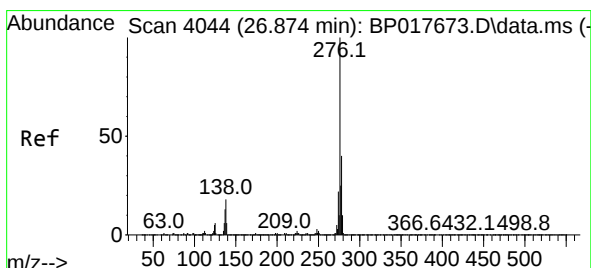
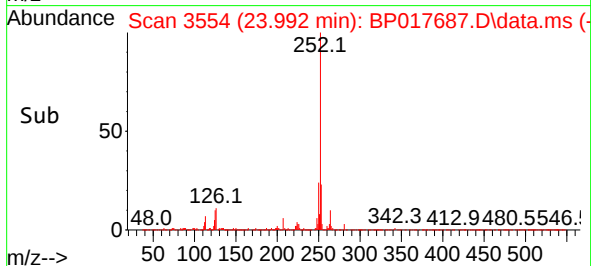
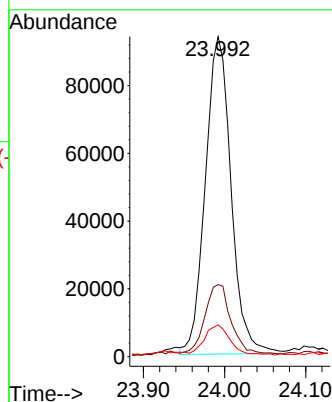
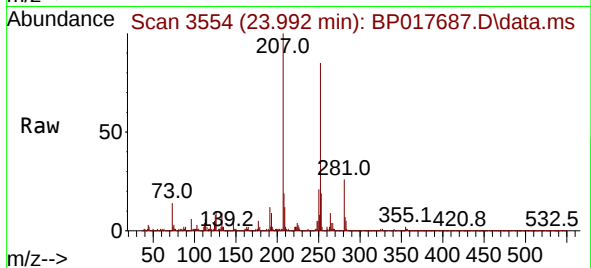
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 20639 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 22.5  | 17.4  | 26.0  |
| 125       | 10.0  | 7.3   | 10.9  |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/17/2023

Supervised By :mohammad ahmed 10/18/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.495 ng/ul

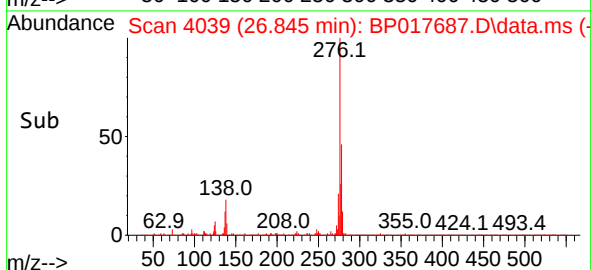
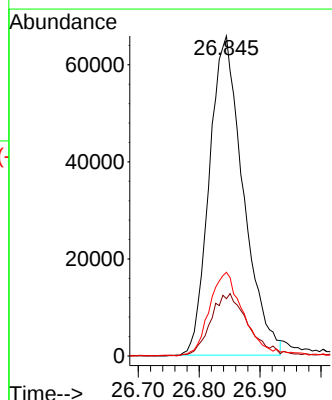
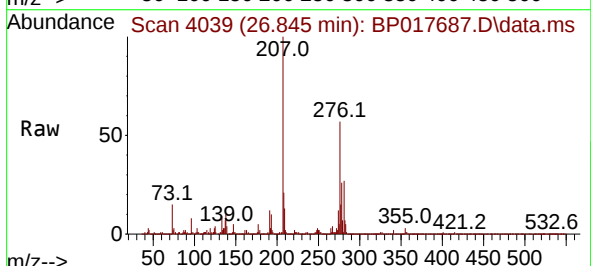
RT: 26.845 min Scan# 4039

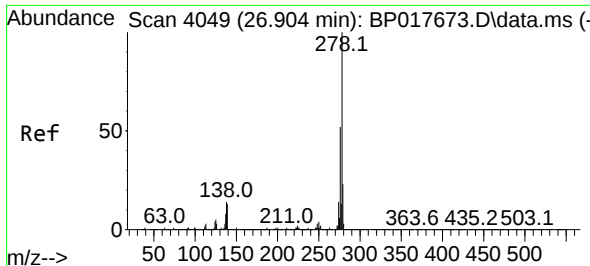
Delta R.T. 0.006 min

Lab File: BP017687.D

Acq: 16 Oct 2023 17:56

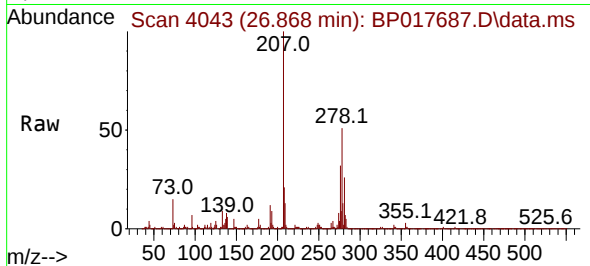
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 254738 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 17.9  | 14.6  | 21.8   |
| 277       | 26.1  | 19.3  | 28.9   |





#95  
Dibenzo(a,h)anthracene  
Concen: 3.521 ng/ul  
RT: 26.868 min Scan# 4049  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

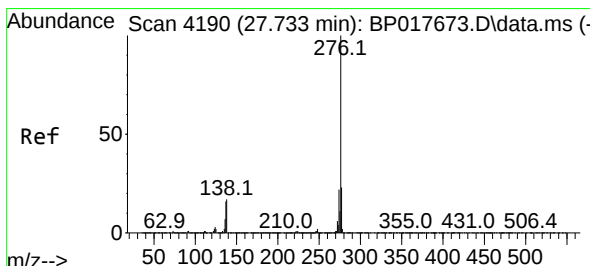
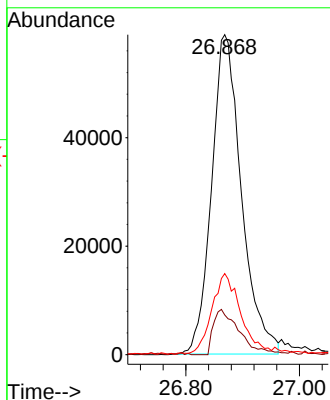
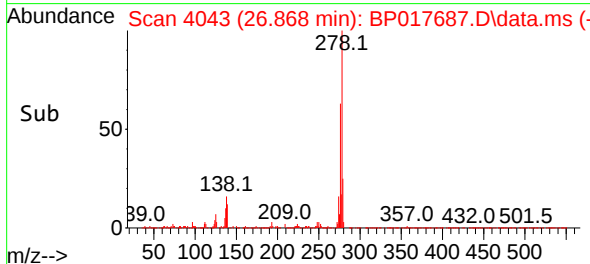
Instrument : BNA\_P  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-04



Tgt Ion:278 Resp: 215104  
Ion Ratio Lower Upper  
278 100  
139 12.4 10.8 16.2  
279 25.4 19.8 29.8

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 10/17/2023  
Supervised By :mohammad ahmed 10/18/2023



#96  
Benzo(g,h,i)perylene  
Concen: 3.598 ng/ul  
RT: 27.698 min Scan# 4184  
Delta R.T. 0.000 min  
Lab File: BP017687.D  
Acq: 16 Oct 2023 17:56

Tgt Ion:276 Resp: 208551  
Ion Ratio Lower Upper  
276 100  
138 19.0 14.1 21.1  
277 24.4 18.7 28.1

