

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011624\  
 Data File : BN029245.D  
 Acq On : 16 Jan 2024 12:42  
 Operator : MA/JU  
 Sample : 02215-05  
 Misc : SFAM-ME-MDL-SOIL-01  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Jan 17 01:23:57 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN011524.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue Jan 16 03:57:40 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.940  | 152  | 114290   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.745 | 136  | 528799   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.581 | 164  | 357125   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.333 | 188  | 838437   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 892480   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.951 | 264  | 1049334  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.375  | 96   | 12864    | 4.648  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 187487   | 21.965 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.099  | 99   | 220519   | 20.110 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 149388   | 21.599 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.469  | 132  | 169779   | 21.887 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.646  | 113  | 180885   | 20.459 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.110  | 128  | 87585    | 22.831 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 68920    | 21.663 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.363 | 165  | 164162   | 20.729 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.887 | 131  | 282050   | 19.679 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.998 | 166  | 645607   | 21.962 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 708221   | 21.392 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 94049    | 18.383 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.575 | 176  | 544836   | 21.747 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 200  | 50289    | 14.262 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.433 | 188  | 869631   | 20.633 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.727 | 212  | 1062287  | 21.420 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.798 | 264  | 1183706  | 21.887 | ng/u1  | 0.01     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.411  | 88   | 3415     | 1.216  | ng/uL# | 73       |
| 5) Pyridine                   | 3.805  | 79   | 36354    | 4.169  | ng/u1# | 71       |
| 6) Benzaldehyde               | 7.087  | 77   | 31218    | 6.343  | ng/u1  | 99       |
| 8) Phenol                     | 7.128  | 94   | 44407    | 3.984  | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 39100    | 4.322  | ng/u1  | 97       |
| 12) 2-Chlorophenol            | 7.499  | 128  | 34603    | 4.285  | ng/u1  | 96       |
| 13) 2-Methylphenol            | 8.381  | 108  | 32123    | 3.784  | ng/u1  | 98       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.475  | 45   | 50449    | 4.361  | ng/u1  | 97       |
| 16) Acetophenone              | 8.769  | 105  | 64362    | 4.296  | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.757  | 70   | 33045    | 4.191  | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.710  | 108  | 35973    | 3.938  | ng/u1  | 98       |
| 19) Hexachloroethane          | 9.016  | 117  | 15847    | 4.323  | ng/u1  | 92       |
| 22) Nitrobenzene              | 9.151  | 77   | 46158    | 4.352  | ng/u1  | 96       |
| 23) Isophorone                | 9.675  | 82   | 89776    | 3.982  | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.857  | 139  | 15705    | 4.216  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.922  | 107  | 40625    | 4.079  | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.169 | 93   | 53856    | 4.244  | ng/u1  | 97       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 33438    | 4.293  | ng/u1  | 99       |
| 30) Naphthalene               | 10.793 | 128  | 128623   | 4.266  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.910 | 127  | 56371    | 4.043  | ng/u1  | 99       |
| 33) Hexachlorobutadiene       | 11.069 | 225  | 24280    | 4.417  | ng/u1  | 99       |
| 34) Caprolactam               | 11.693 | 113  | 13299    | 4.213  | ng/u1  | 96       |
| 35) 4-Chloro-3-methylphenol   | 12.028 | 107  | 36060    | 3.903  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.404 | 142  | 88790    | 4.211  | ng/u1  | 100      |

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 ClientSampleId :  
 MDL-MED-SOIL-QT2-2023-03

Manual Integrations  
 APPROVED

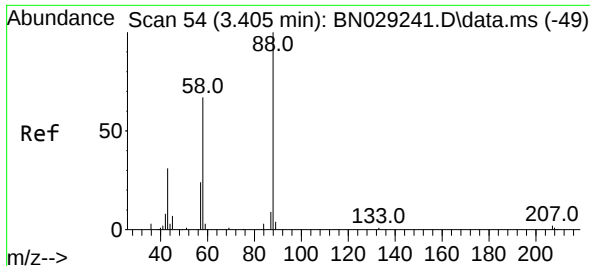
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

Quant Time: Jan 17 01:23:57 2024  
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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.622 | 142  | 92798    | 4.435 | ng/ul  | 99       |
| 39) 1,2,4,5-Tetrachloroben... | 12.763 | 216  | 48396    | 4.348 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.740 | 237  | 33368    | 4.478 | ng/ul  | 97       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 21604    | 3.503 | ng/ul  | 99       |
| 42) 2,4,5-Trichlorophenol     | 13.075 | 196  | 26212    | 3.786 | ng/ul  | 92       |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 122036   | 4.240 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.457 | 162  | 95318    | 4.240 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.663 | 65   | 22367    | 3.753 | ng/ul  | 87       |
| 47) Dimethylphthalate         | 14.045 | 163  | 128083   | 4.279 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 14.169 | 165  | 17331    | 3.581 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.298 | 152  | 163230   | 4.250 | ng/ul  | 99       |
| 51) 3-Nitroaniline            | 14.492 | 138  | 19325    | 3.676 | ng/ul# | 97       |
| 52) Acenaphthene              | 14.639 | 153  | 106615   | 4.229 | ng/ul  | 96       |
| 53) 2,4-Dinitrophenol         | 14.698 | 184  | 8481     | 4.100 | ng/ul  | 98       |
| 55) 4-Nitrophenol             | 14.786 | 109  | 21517    | 4.591 | ng/ul  | 95       |
| 56) Dibenzofuran              | 14.981 | 168  | 149734   | 4.391 | ng/ul  | 96       |
| 57) 2,4-Dinitrotoluene        | 14.951 | 165  | 26162    | 3.691 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.204 | 232  | 20289    | 3.552 | ng/ul  | 97       |
| 59) Diethylphthalate          | 15.416 | 149  | 129841   | 4.158 | ng/ul  | 98       |
| 61) Fluorene                  | 15.628 | 166  | 124702   | 4.223 | ng/ul  | 92       |
| 62) 4-Chlorophenyl-phenyle... | 15.633 | 204  | 62960    | 4.363 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.651 | 138  | 23232m   | 4.488 | ng/ul  |          |
| 66) 4,6-Dinitro-2-methylph... | 15.704 | 198  | 14093    | 3.471 | ng/ul# | 74       |
| 67) N-Nitrosodiphenylamine    | 15.845 | 169  | 102933   | 4.049 | ng/ul  | 98       |
| 68) 4-Bromophenyl-phenylether | 16.528 | 248  | 34862    | 3.720 | ng/ul  | 94       |
| 69) Hexachlorobenzene         | 16.622 | 284  | 48109    | 4.265 | ng/ul  | 91       |
| 70) Atrazine                  | 16.804 | 200  | 43319    | 4.488 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.975 | 266  | 24141    | 3.961 | ng/ul  | 98       |
| 72) Phenanthrene              | 17.375 | 178  | 203465   | 4.183 | ng/ul  | 99       |
| 74) Anthracene                | 17.469 | 178  | 201436   | 3.988 | ng/ul  | 98       |
| 75) 1,2,3,4-Tetrachloroben... | 13.375 | 216  | 47001    | 4.146 | ng/uL  | 94       |
| 76) Pentachlorobenzene        | 14.886 | 250  | 51985    | 4.430 | ng/uL  | 97       |
| 77) Carbazole                 | 17.739 | 167  | 181062   | 3.876 | ng/ul  | 97       |
| 78) Di-n-butylphthalate       | 18.322 | 149  | 206701   | 3.629 | ng/ul  | 100      |
| 80) Fluoranthene              | 19.392 | 202  | 236730   | 4.040 | ng/ul  | 98       |
| 82) Pyrene                    | 19.757 | 202  | 261174   | 4.196 | ng/ul  | 98       |
| 83) Butylbenzylphthalate      | 20.686 | 149  | 78723    | 3.235 | ng/ul  | 99       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 72621    | 3.507 | ng/ul  | 92       |
| 85) Benzo(a)anthracene        | 21.521 | 228  | 273272   | 4.155 | ng/ul  | 98       |
| 86) Bis(2-ethylhexyl)phtha... | 21.474 | 149  | 132518   | 3.298 | ng/ul  | 99       |
| 87) Chrysene                  | 21.574 | 228  | 255181   | 4.195 | ng/ul  | 95       |
| 89) Di-n-octyl phthalate      | 22.427 | 149  | 205629   | 2.780 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.215 | 252  | 268341   | 4.033 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 23.262 | 252  | 262518   | 3.959 | ng/ul  | 97       |
| 93) Benzo(a)pyrene            | 23.845 | 252  | 260531   | 4.129 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.451 | 276  | 303459   | 3.800 | ng/ul  | 99       |
| 95) Dibenzo(a,h)anthracene    | 26.480 | 278  | 260119   | 3.906 | ng/ul  | 98       |
| 96) Benzo(g,h,i)perylene      | 27.215 | 276  | 242278   | 3.799 | ng/ul  | 98       |

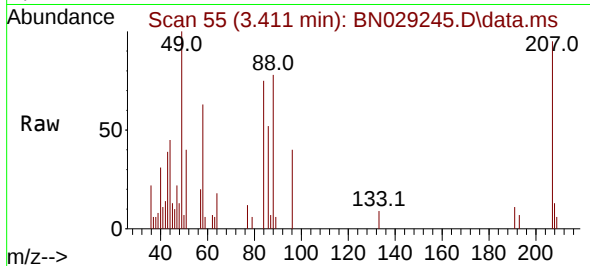
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#2  
1,4-Dioxane  
Concen: 1.216 ng/uL  
RT: 3.411 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

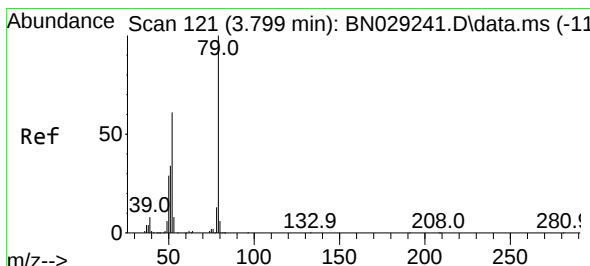
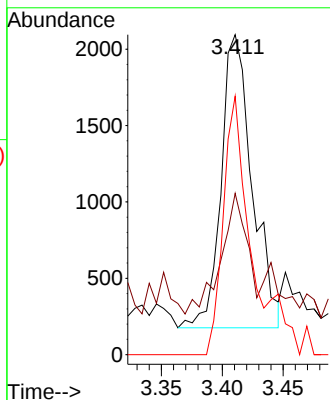
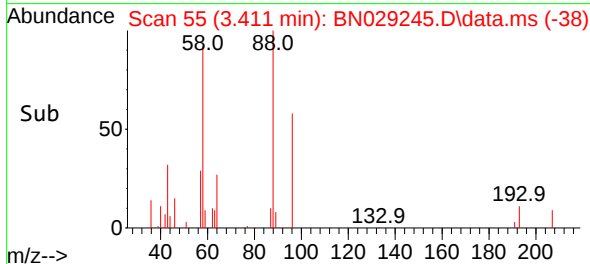
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



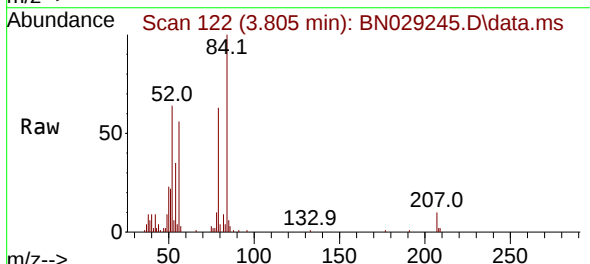
Tgt Ion: 88 Resp: 3415  
Ion Ratio Lower Upper  
88 100  
43 50.4 26.3 39.5  
58 80.8 49.7 74.5

Manual Integrations  
APPROVED

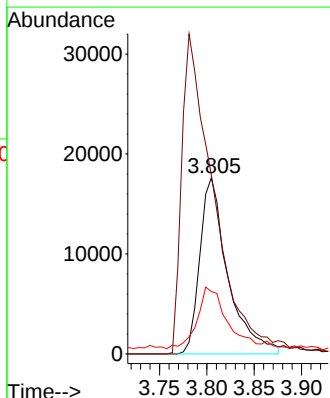
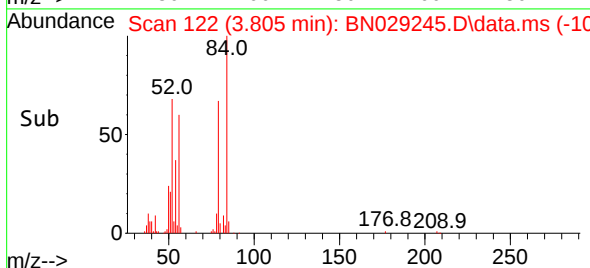
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

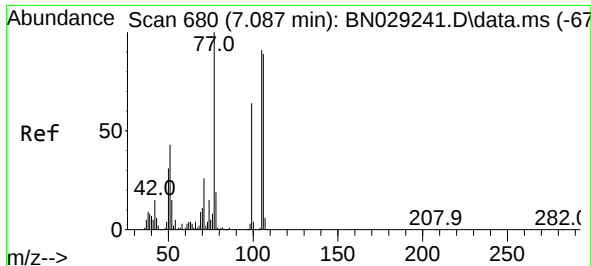


#5  
Pyridine  
Concen: 4.169 ng/uL  
RT: 3.805 min Scan# 122  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



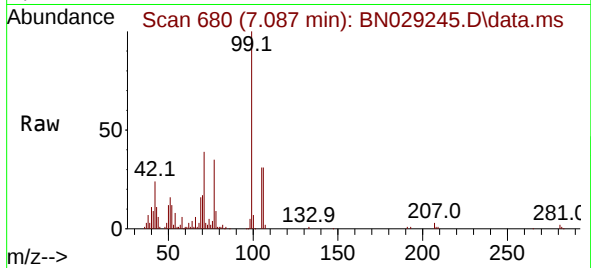
Tgt Ion: 79 Resp: 36354  
Ion Ratio Lower Upper  
79 100  
52 101.7 53.8 80.8  
51 35.5 27.4 41.0





#6  
Benzaldehyde  
Concen: 6.343 ng/ul  
RT: 7.087 min Scan# 680  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

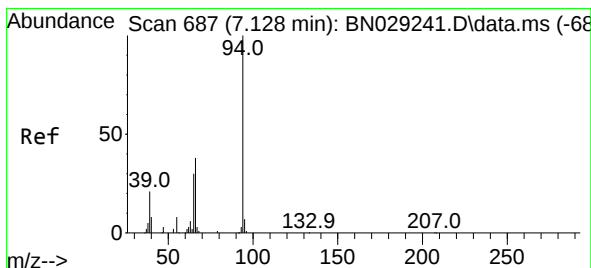
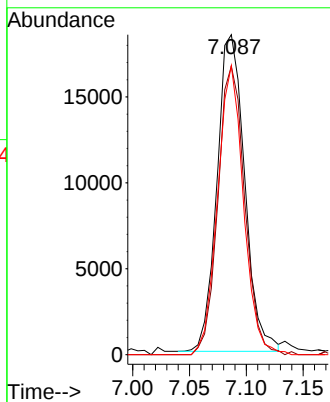
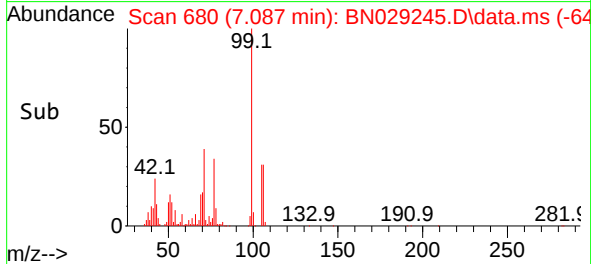
Instrument :  
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Tgt Ion: 77 Resp: 31218  
Ion Ratio Lower Upper  
77 100  
105 90.2 73.3 109.9  
106 90.3 72.5 108.7

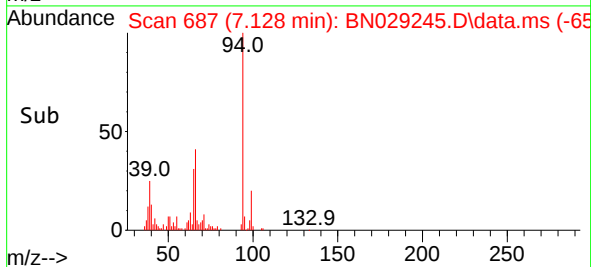
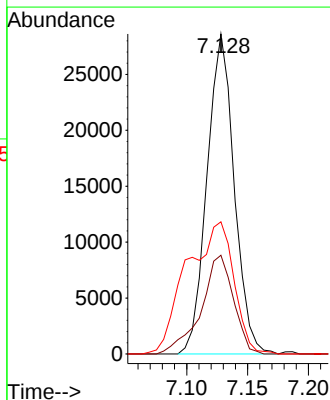
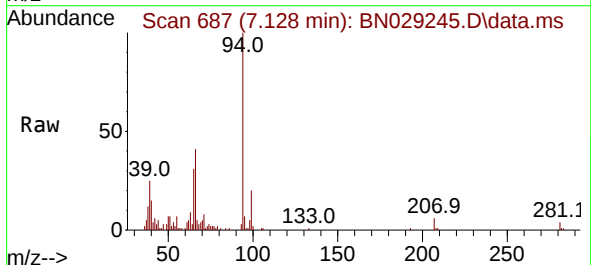
Manual Integrations  
APPROVED

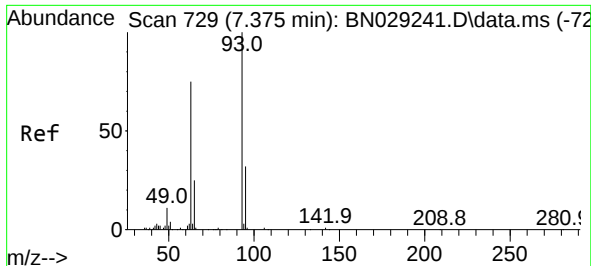
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#8  
Phenol  
Concen: 3.984 ng/ul  
RT: 7.128 min Scan# 687  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

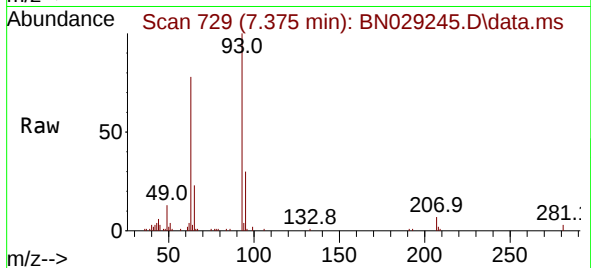
Tgt Ion: 94 Resp: 44407  
Ion Ratio Lower Upper  
94 100  
65 30.8 25.6 38.4  
66 41.3 33.8 50.6





#10  
Bis(2-Chloroethyl)ether  
Concen: 4.322 ng/ul  
RT: 7.375 min Scan# 710  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

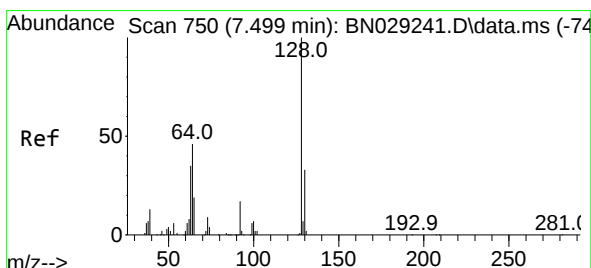
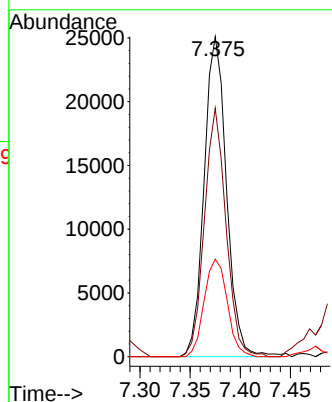
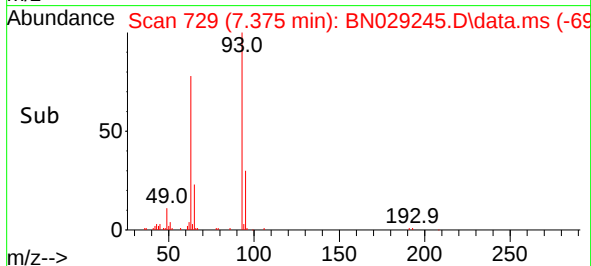
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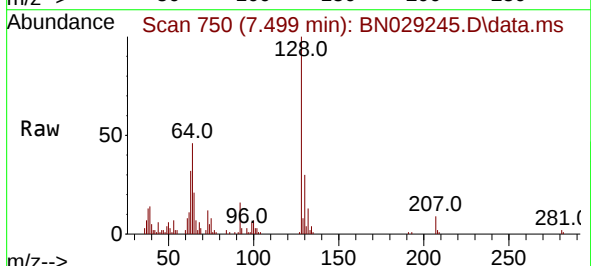
Tgt Ion: 93 Resp: 39100  
Ion Ratio Lower Upper  
93 100  
63 77.7 60.6 91.0  
95 30.5 26.1 39.1

Manual Integrations  
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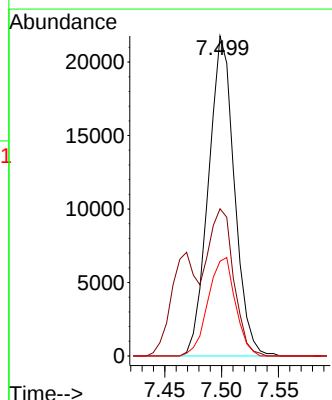
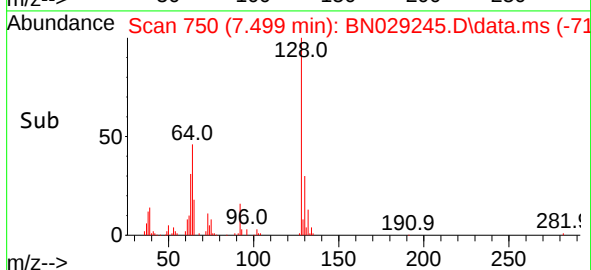
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

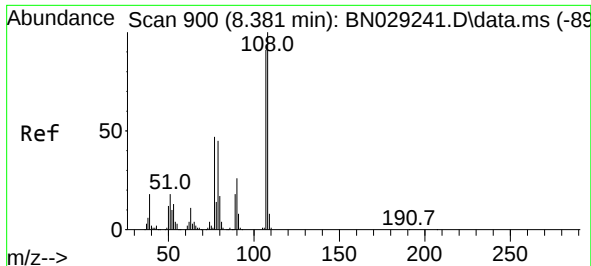


#12  
2-Chlorophenol  
Concen: 4.285 ng/ul  
RT: 7.499 min Scan# 750  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



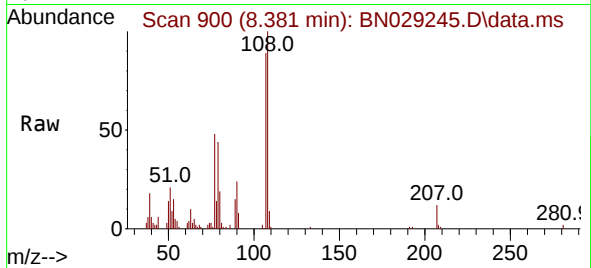
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Ion Ratio Lower Upper  
128 100  
64 46.0 38.6 57.8  
130 29.6 25.5 38.3





#13  
2-Methylphenol  
Concen: 3.784 ng/ul  
RT: 8.381 min Scan# 900  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
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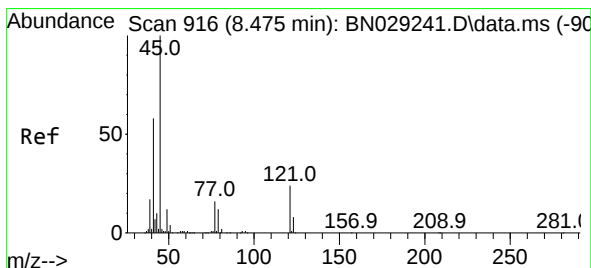
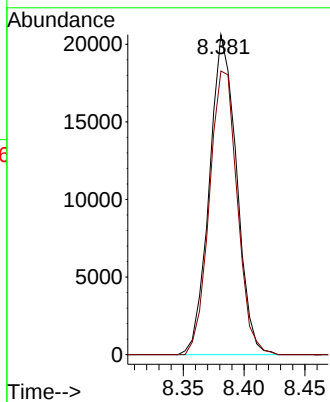
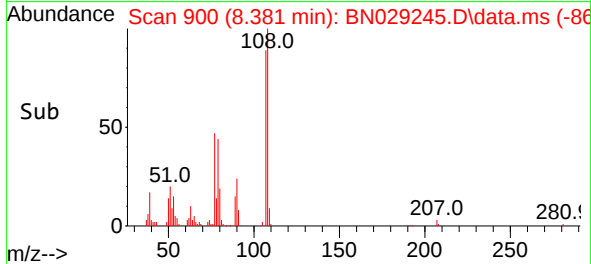
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



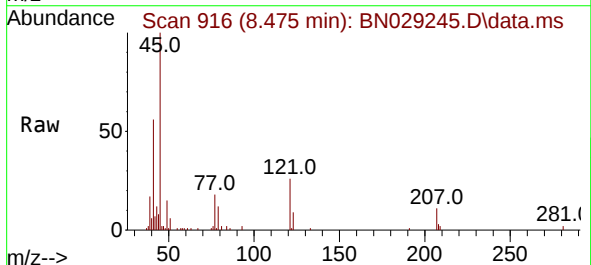
Tgt Ion:108 Resp: 3212  
Ion Ratio Lower Upper  
108 100  
107 88.6 69.2 103.8

Manual Integrations  
APPROVED

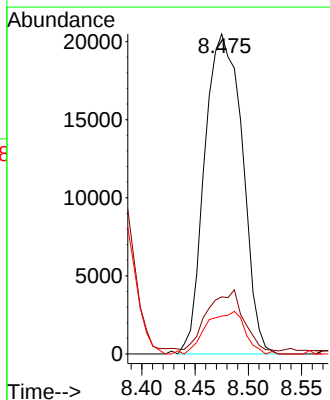
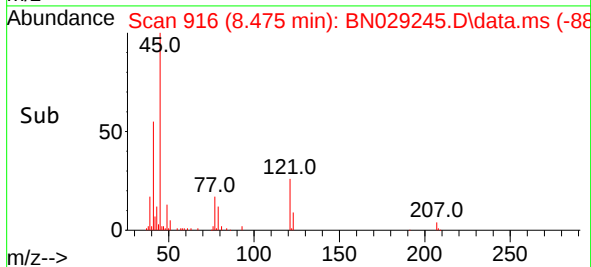
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

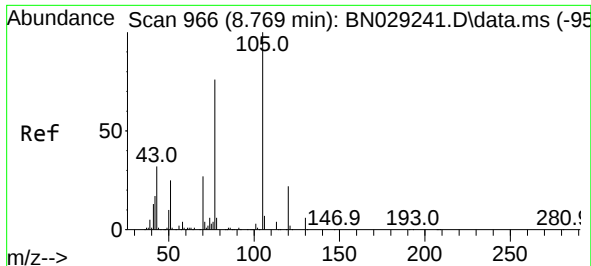


#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.361 ng/ul  
RT: 8.475 min Scan# 916  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



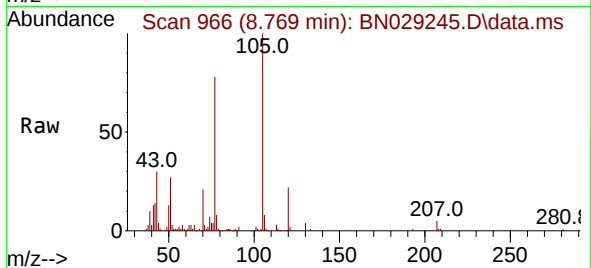
Tgt Ion: 45 Resp: 50449  
Ion Ratio Lower Upper  
45 100  
77 17.9 13.1 19.7  
79 11.8 10.0 15.0





#16  
Acetophenone  
Concen: 4.296 ng/ul  
RT: 8.769 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

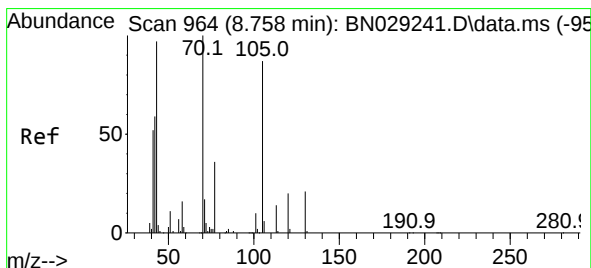
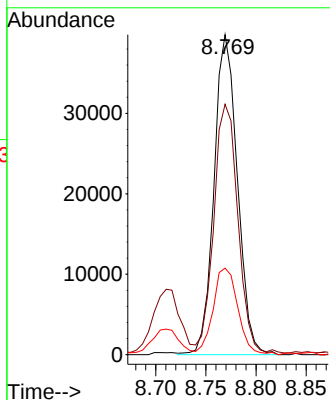
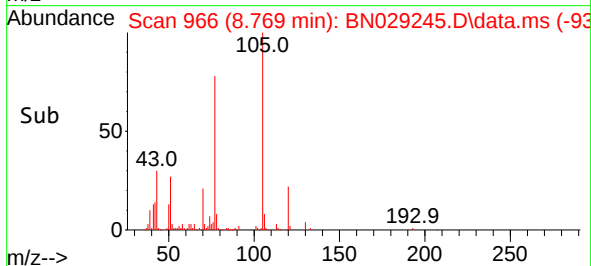
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



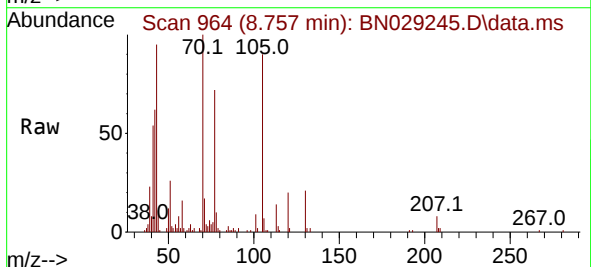
Tgt Ion:105 Resp: 64362  
Ion Ratio Lower Upper  
105 100  
77 78.3 65.8 98.6  
51 27.1 21.8 32.6

Manual Integrations  
APPROVED

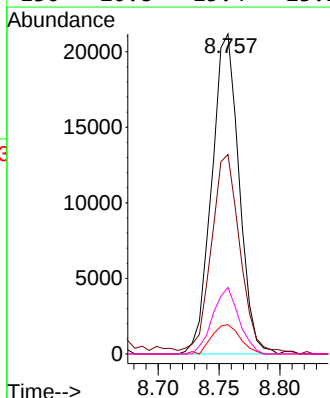
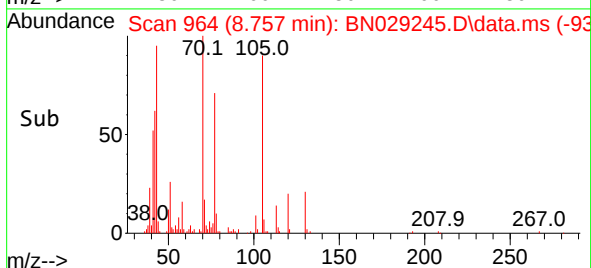
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

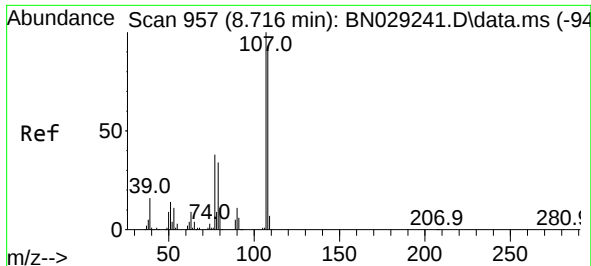


#17  
N-Nitroso-di-n-propylamine  
Concen: 4.191 ng/ul  
RT: 8.757 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



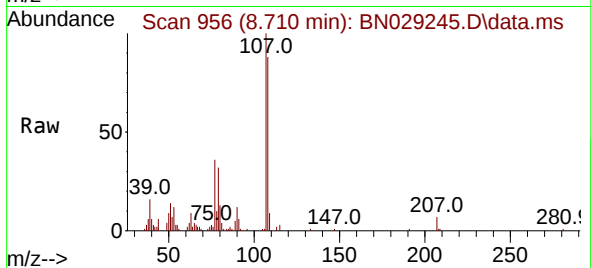
Tgt Ion: 70 Resp: 33045  
Ion Ratio Lower Upper  
70 100  
42 62.3 48.3 72.5  
101 9.1 7.1 10.7  
130 20.8 15.4 23.2





#18  
4-Methylphenol  
Concen: 3.938 ng/ul  
RT: 8.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

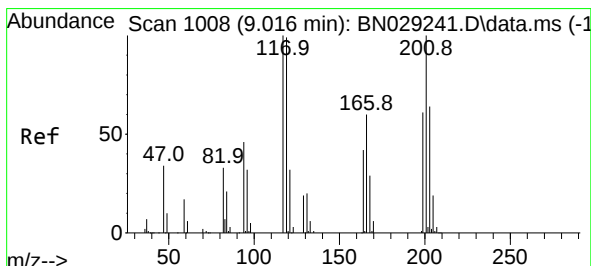
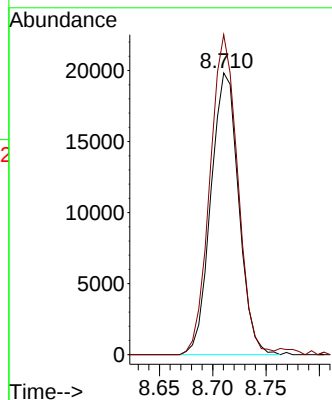
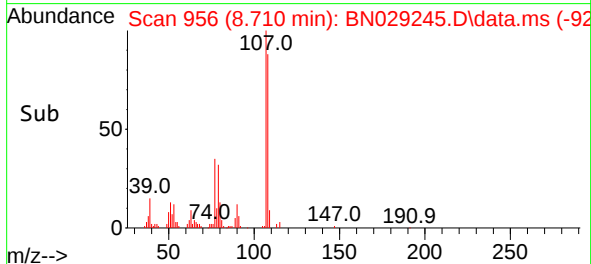
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



Tgt Ion:108 Resp: 3597  
Ion Ratio Lower Upper  
108 100  
107 113.6 92.5 138.7

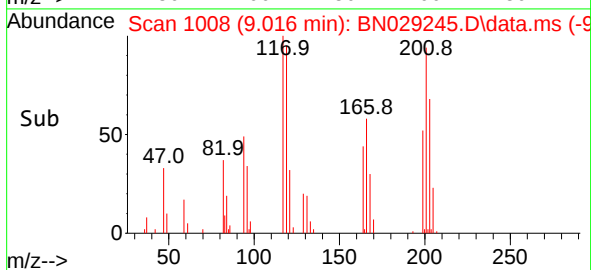
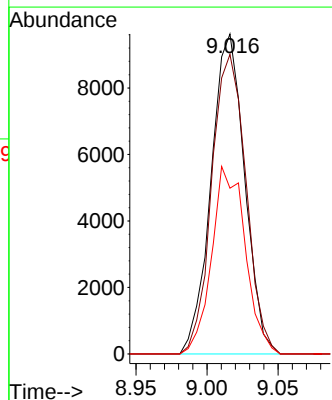
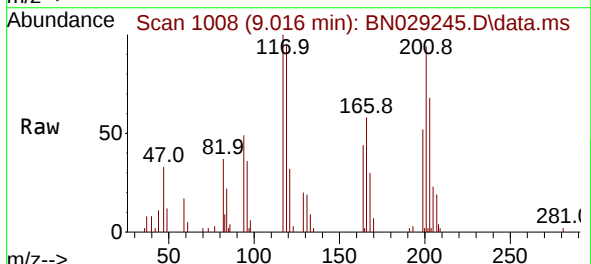
Manual Integrations  
APPROVED

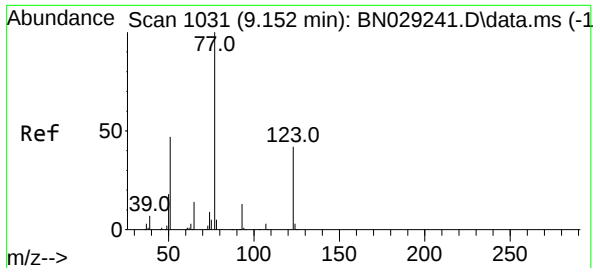
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#19  
Hexachloroethane  
Concen: 4.323 ng/ul  
RT: 9.016 min Scan# 1008  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

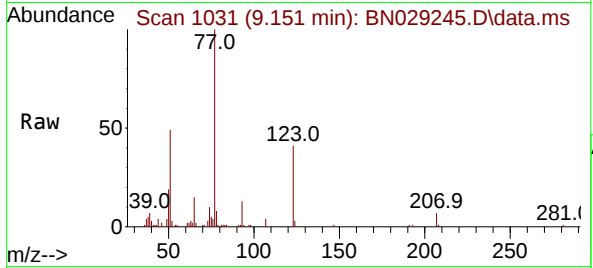
Tgt Ion:117 Resp: 15847  
Ion Ratio Lower Upper  
117 100  
201 93.6 70.6 106.0  
199 51.8 47.9 71.9





#22  
 Nitrobenzene  
 Concen: 4.352 ng/ul  
 RT: 9.151 min Scan# 1031  
 Delta R.T. 0.000 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

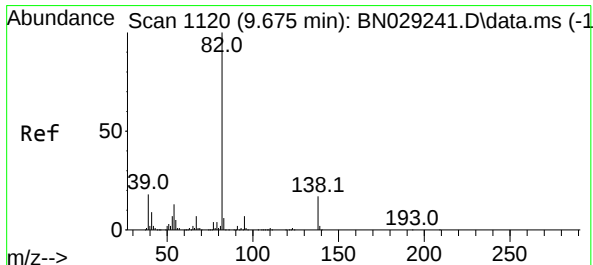
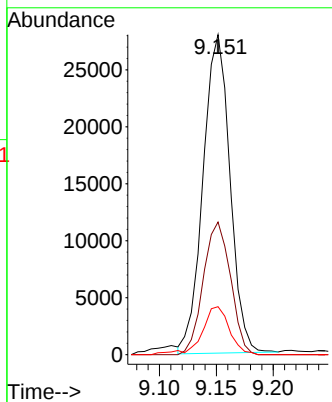
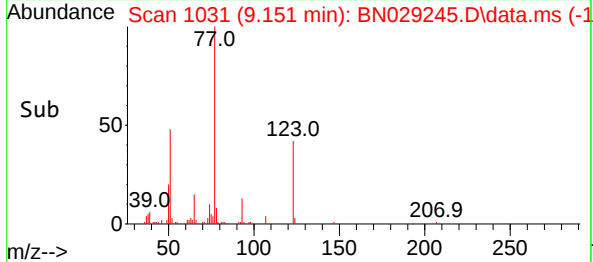
Instrument : BNA\_N  
 ClientSampleId : MDL-MED-SOIL-QT2-2023-03



|             |             |
|-------------|-------------|
| Tgt Ion: 77 | Resp: 4615  |
| Ion Ratio   | Lower Upper |
| 77 100      |             |
| 123 41.4    | 31.4 47.0   |
| 65 15.0     | 10.9 16.3   |

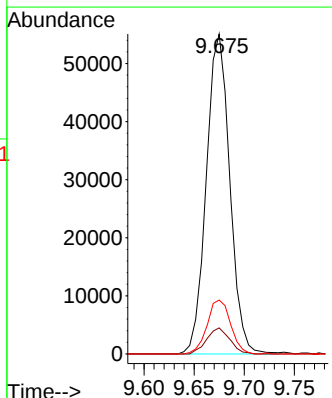
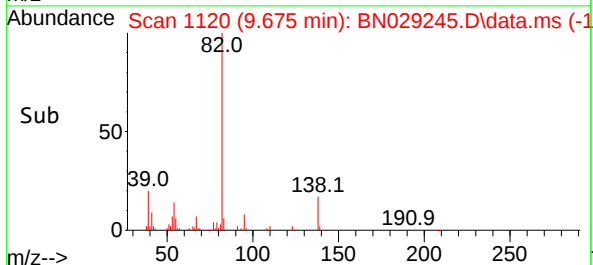
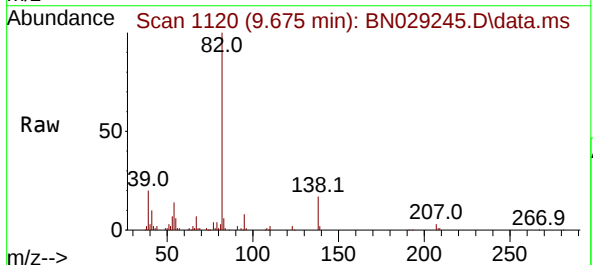
Manual Integrations  
 APPROVED

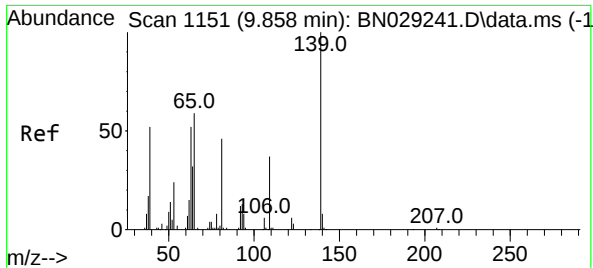
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024



#23  
 Isophorone  
 Concen: 3.982 ng/ul  
 RT: 9.675 min Scan# 1120  
 Delta R.T. 0.000 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

|             |             |
|-------------|-------------|
| Tgt Ion: 82 | Resp: 89776 |
| Ion Ratio   | Lower Upper |
| 82 100      |             |
| 95 8.1      | 5.9 8.9     |
| 138 16.9    | 12.9 19.3   |





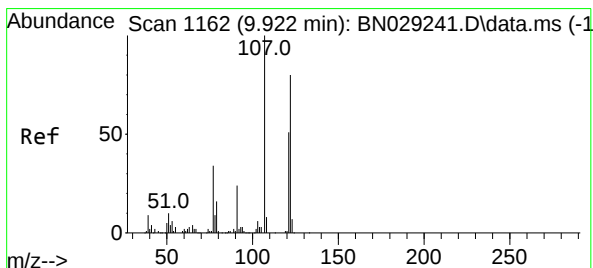
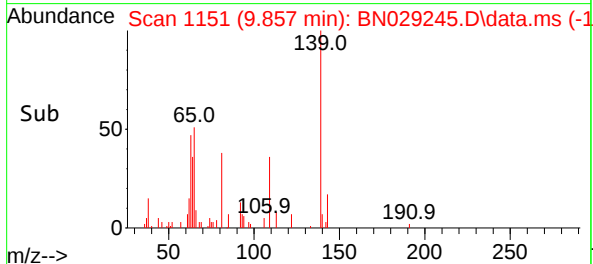
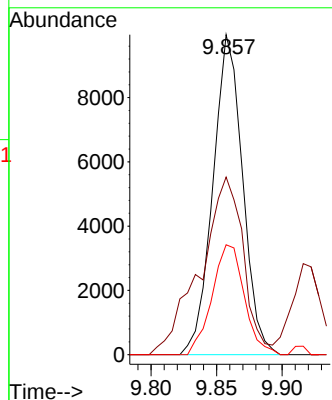
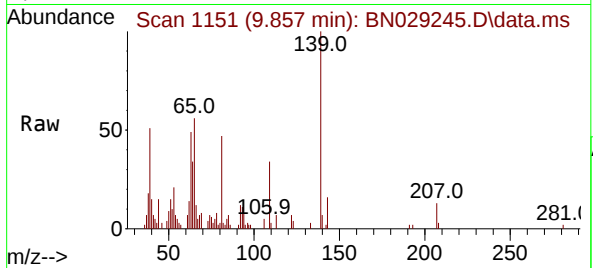
#25  
2-Nitrophenol  
Concen: 4.216 ng/ul  
RT: 9.857 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion:139 Resp: 15708  
Ion Ratio Lower Upper  
139 100  
65 55.5 45.5 68.3  
109 34.4 28.6 42.8

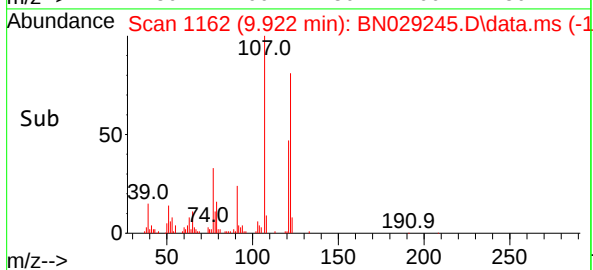
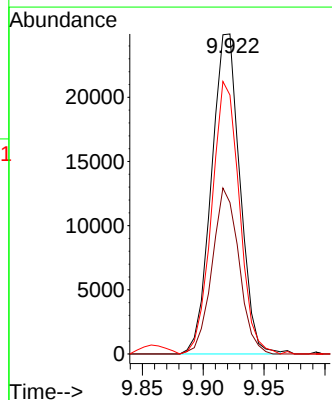
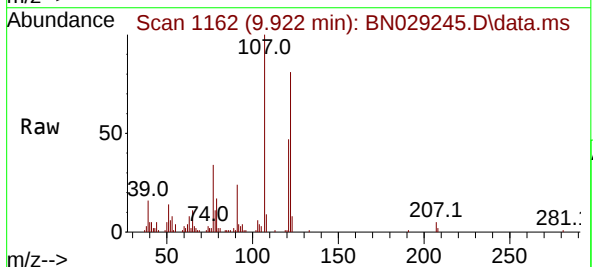
Manual Integrations  
APPROVED

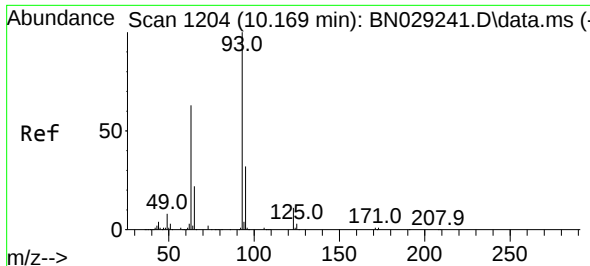
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#26  
2,4-Dimethylphenol  
Concen: 4.079 ng/ul  
RT: 9.922 min Scan# 1162  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

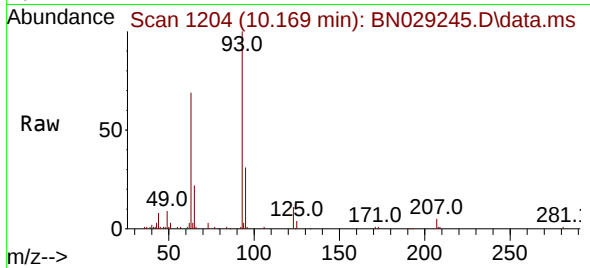
Tgt Ion:107 Resp: 40625  
Ion Ratio Lower Upper  
107 100  
121 47.3 40.1 60.1  
122 80.9 68.4 102.6





#27  
Bis(2-Chloroethoxy)methane  
Concen: 4.244 ng/ul  
RT: 10.169 min Scan# 1204  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

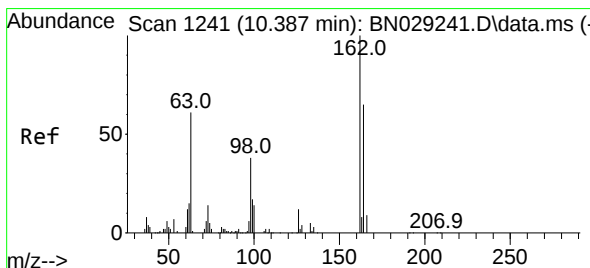
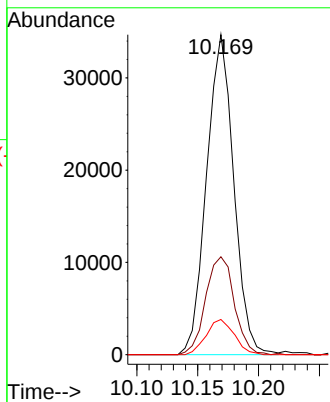
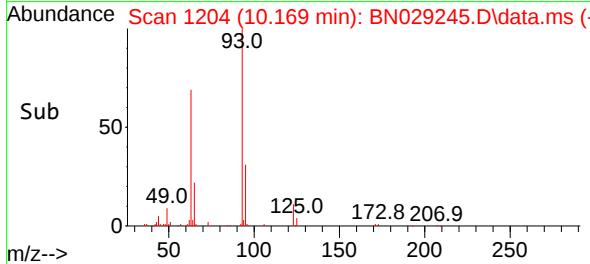
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



Tgt Ion: 93 Resp: 53850  
Ion Ratio Lower Upper  
93 100  
95 30.6 25.8 38.8  
123 11.0 7.9 11.9

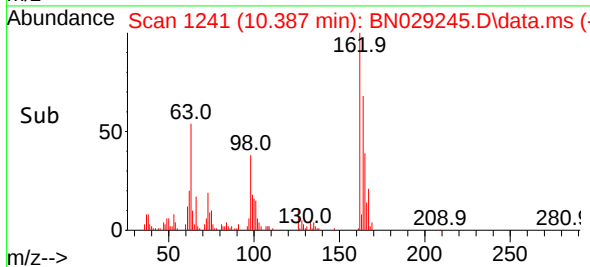
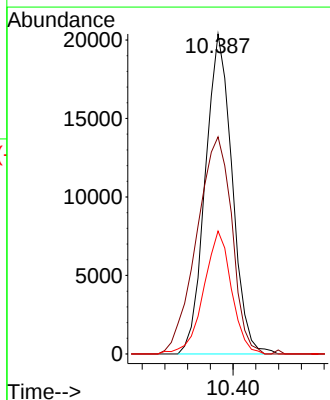
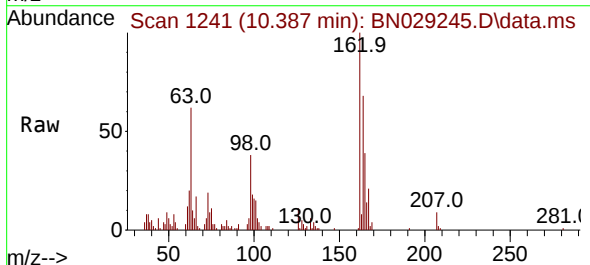
Manual Integrations  
APPROVED

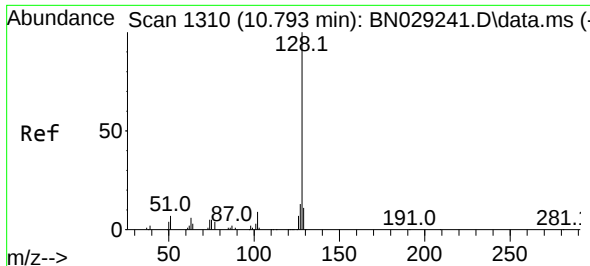
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#29  
2,4-Dichlorophenol  
Concen: 4.293 ng/ul  
RT: 10.387 min Scan# 1241  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

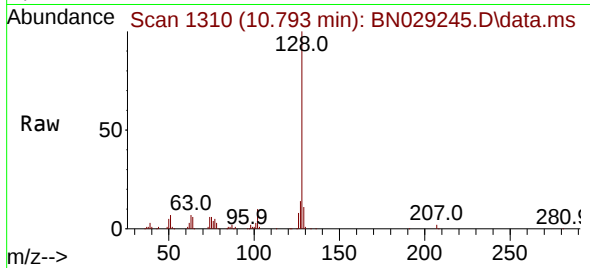
Tgt Ion:162 Resp: 33438  
Ion Ratio Lower Upper  
162 100  
164 67.8 53.6 80.4  
98 38.4 30.8 46.2





#30  
Naphthalene  
Concen: 4.266 ng/ul  
RT: 10.793 min Scan# 1310  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

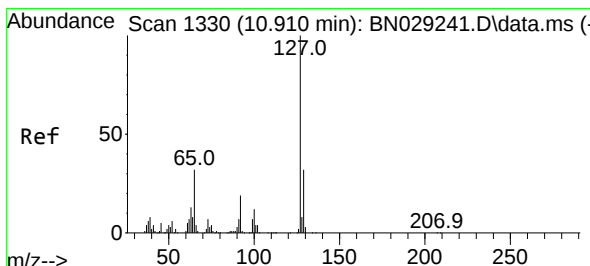
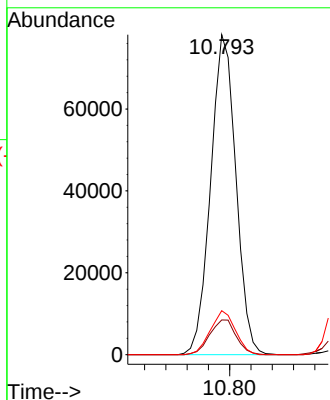
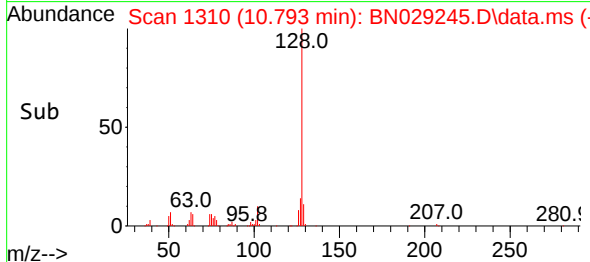
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion:128 Resp: 12862  
Ion Ratio Lower Upper  
128 100  
129 10.8 9.0 13.4  
127 13.8 10.5 15.7

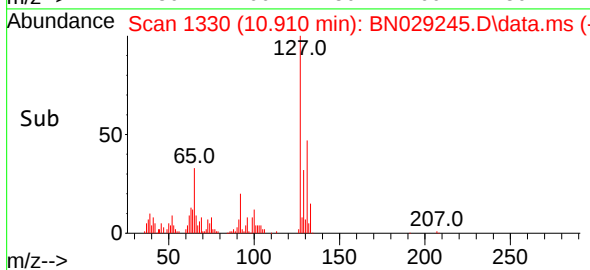
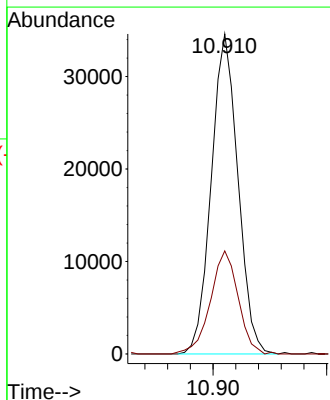
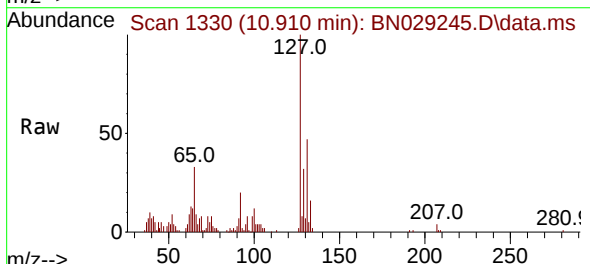
Manual Integrations  
APPROVED

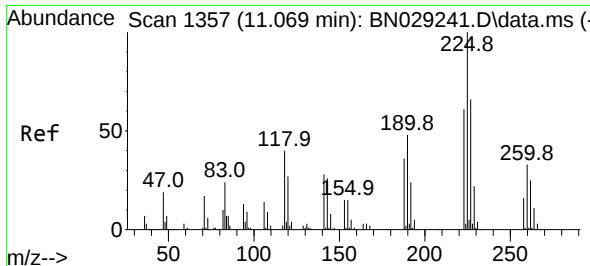
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#32  
4-Chloroaniline  
Concen: 4.043 ng/ul  
RT: 10.910 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

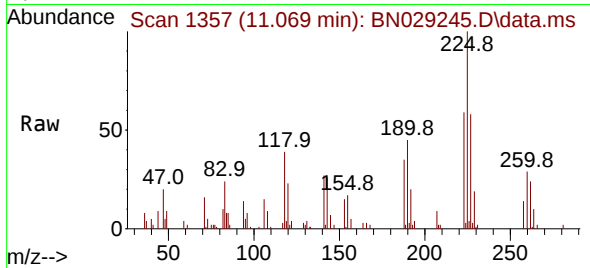
Tgt Ion:127 Resp: 56371  
Ion Ratio Lower Upper  
127 100  
129 32.2 26.1 39.1





#33  
Hexachlorobutadiene  
Concen: 4.417 ng/ul  
RT: 11.069 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

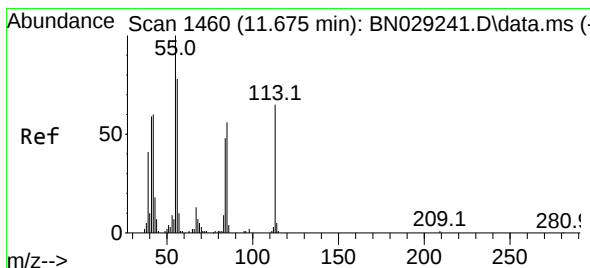
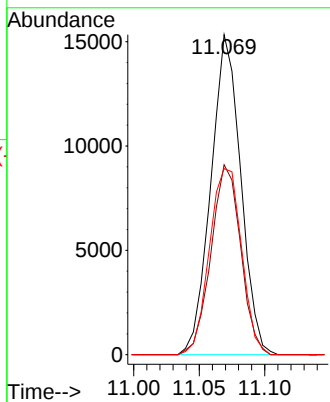
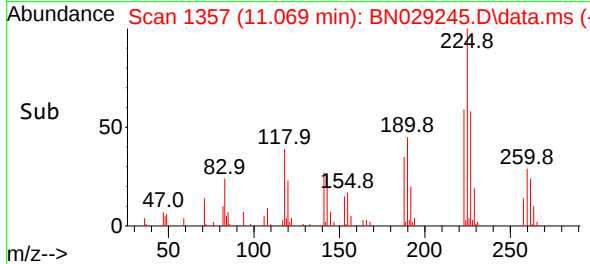
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



Tgt Ion:225 Resp: 24280  
Ion Ratio Lower Upper  
225 100  
223 59.4 48.0 72.0  
227 58.1 47.8 71.6

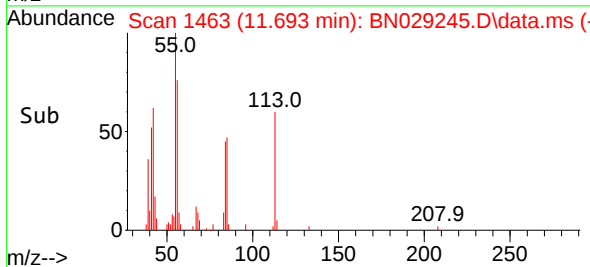
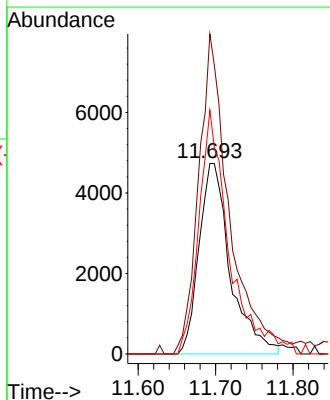
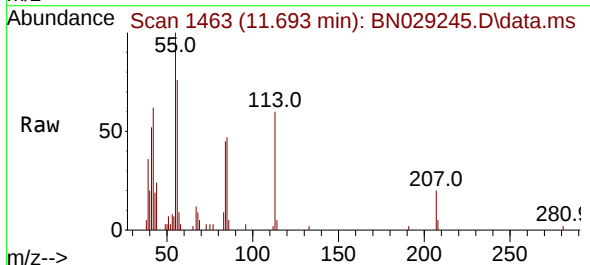
Manual Integrations  
APPROVED

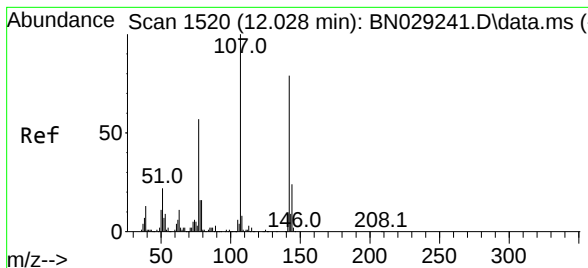
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#34  
Caprolactam  
Concen: 4.213 ng/ul  
RT: 11.693 min Scan# 1463  
Delta R.T. 0.018 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

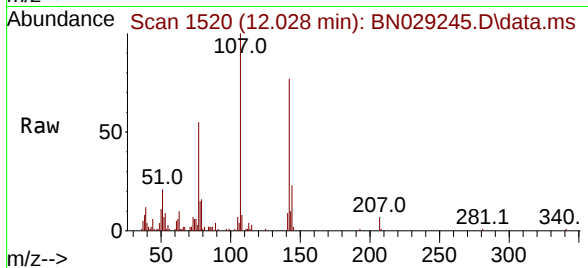
Tgt Ion:113 Resp: 13299  
Ion Ratio Lower Upper  
113 100  
55 167.9 132.9 199.3  
56 127.9 96.5 144.7





#35  
4-Chloro-3-methylphenol  
Concen: 3.903 ng/ul  
RT: 12.028 min Scan# 1520  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

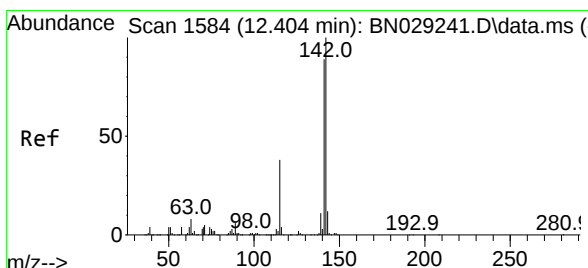
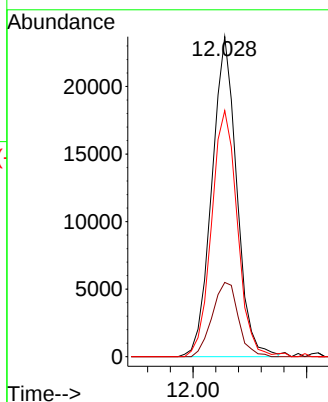
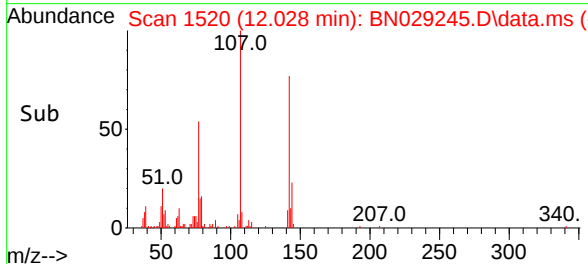
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



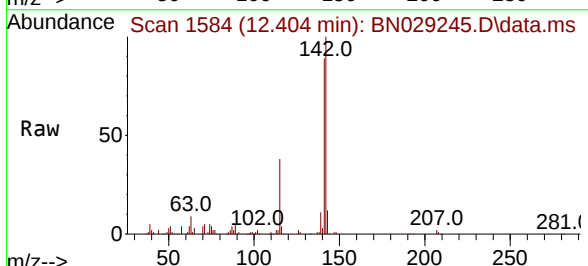
Tgt Ion:107 Resp: 36060  
Ion Ratio Lower Upper  
107 100  
144 23.2 20.2 30.2  
142 76.9 62.6 93.8

Manual Integrations  
APPROVED

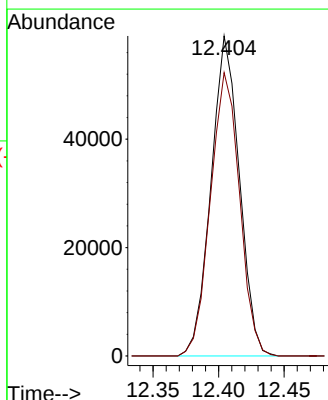
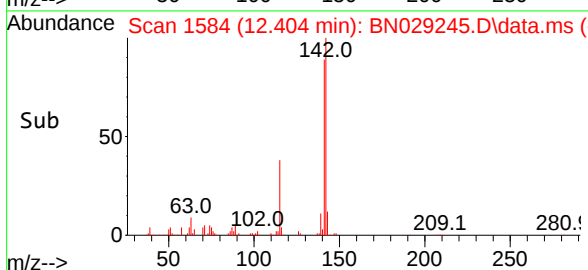
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

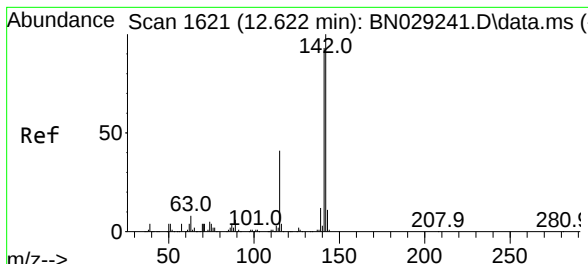


#36  
2-Methylnaphthalene  
Concen: 4.211 ng/ul  
RT: 12.404 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



Tgt Ion:142 Resp: 88790  
Ion Ratio Lower Upper  
142 100  
141 88.5 71.0 106.6





#37  
 1-Methylnaphthalene  
 Concen: 4.435 ng/ul  
 RT: 12.622 min Scan# 1621  
 Delta R.T. -0.006 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

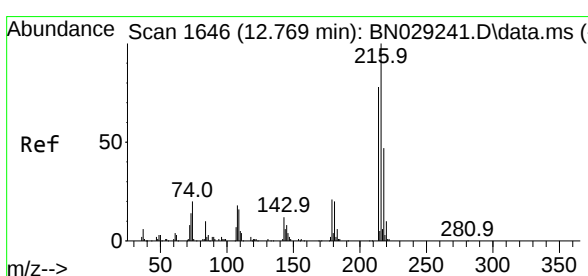
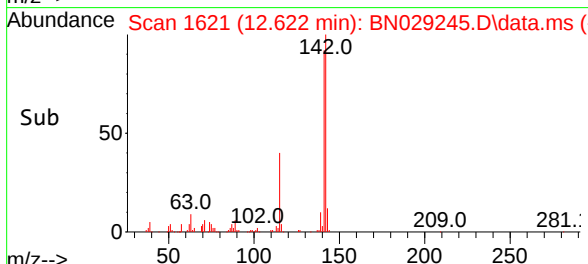
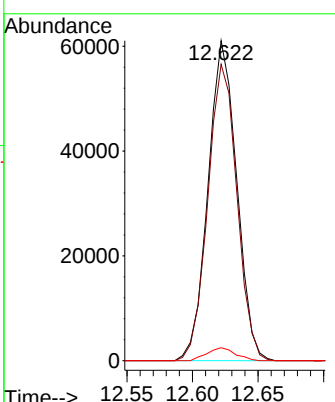
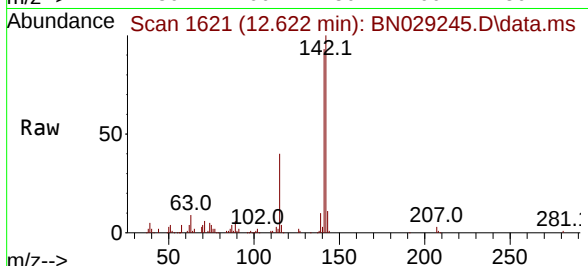
Instrument : BNA\_N  
 ClientSampleId : MDL-MED-SOIL-QT2-2023-03

Tgt Ion:142 Resp: 92798

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 142 | 100   |       |       |
| 141 | 92.6  | 74.6  | 112.0 |
| 116 | 4.0   | 3.6   | 5.4   |

Manual Integrations  
 APPROVED

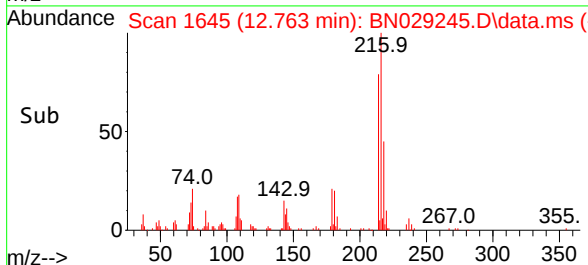
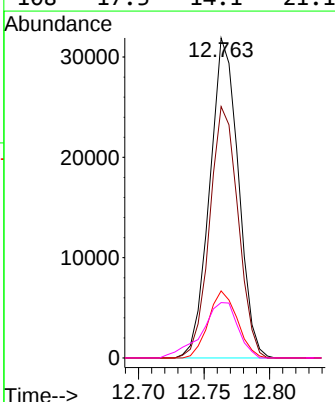
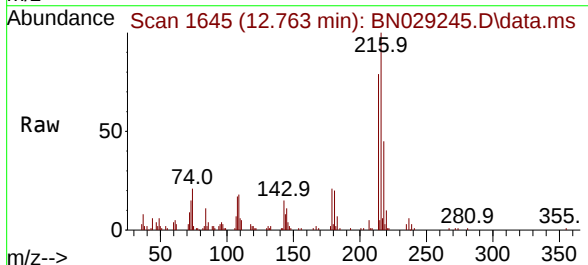
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

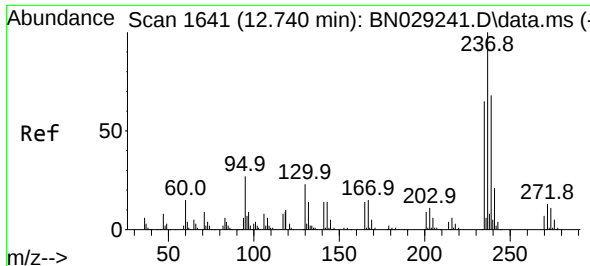


#39  
 1,2,4,5-Tetrachlorobenzene  
 Concen: 4.348 ng/ul  
 RT: 12.763 min Scan# 1645  
 Delta R.T. -0.006 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

Tgt Ion:216 Resp: 48396

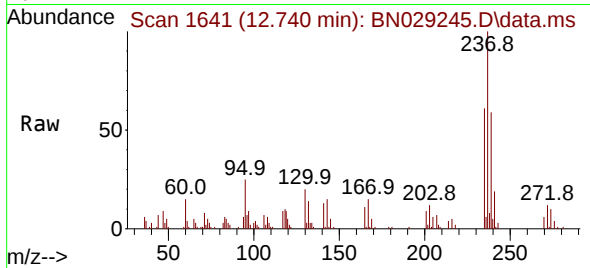
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 216 | 100   |       |       |
| 214 | 78.6  | 60.3  | 90.5  |
| 179 | 20.9  | 17.0  | 25.4  |
| 108 | 17.3  | 14.1  | 21.1  |





#40  
Hexachlorocyclopentadiene  
Concen: 4.478 ng/ul  
RT: 12.740 min Scan# 1641  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

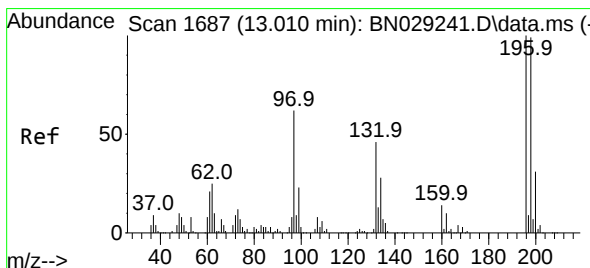
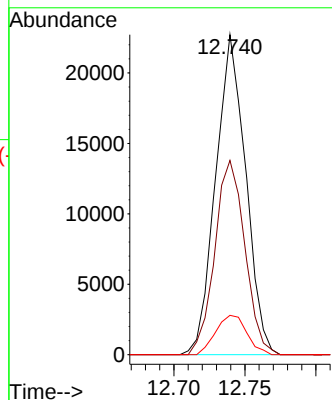
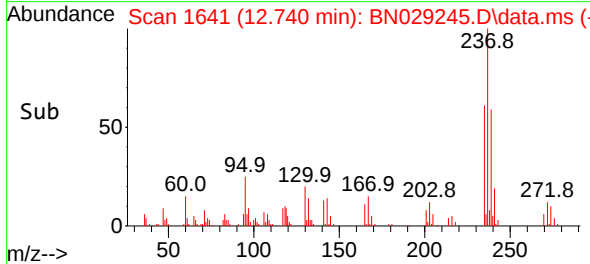
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



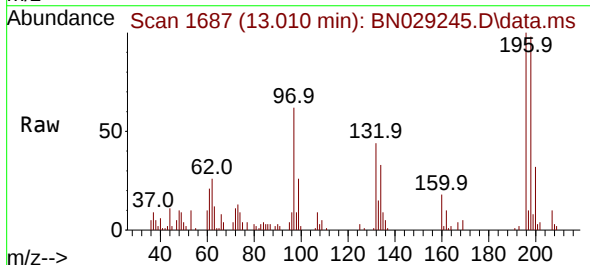
Tgt Ion:237 Resp: 33368  
Ion Ratio Lower Upper  
237 100  
235 60.7 47.0 70.4  
272 12.3 9.3 13.9

Manual Integrations  
APPROVED

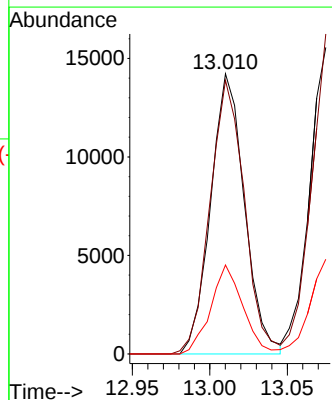
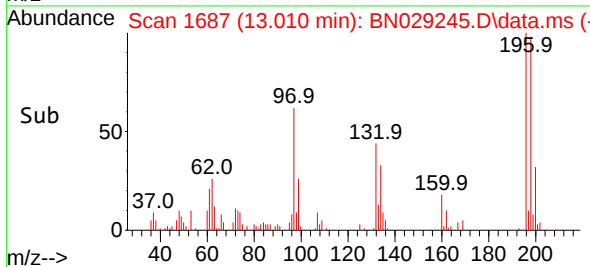
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

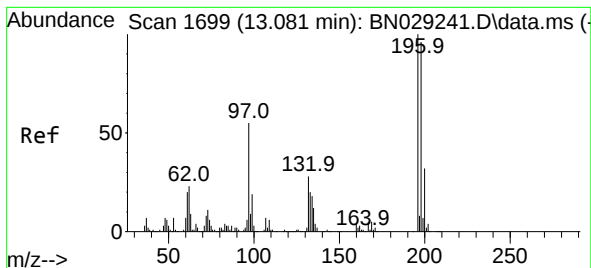


#41  
2,4,6-Trichlorophenol  
Concen: 3.503 ng/ul  
RT: 13.010 min Scan# 1687  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



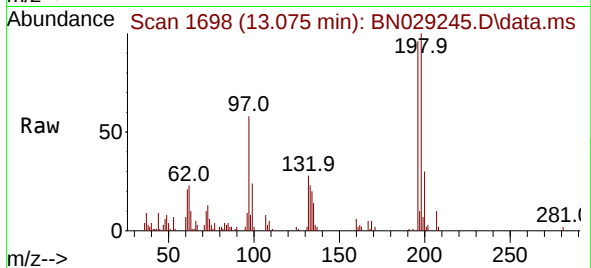
Tgt Ion:196 Resp: 21604  
Ion Ratio Lower Upper  
196 100  
198 97.7 78.6 117.8  
200 31.8 23.7 35.5





#42  
2,4,5-Trichlorophenol  
Concen: 3.786 ng/ul  
RT: 13.075 min Scan# 1699  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

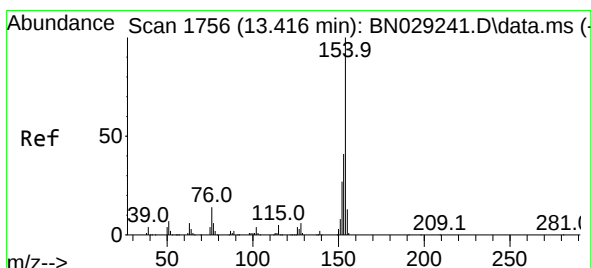
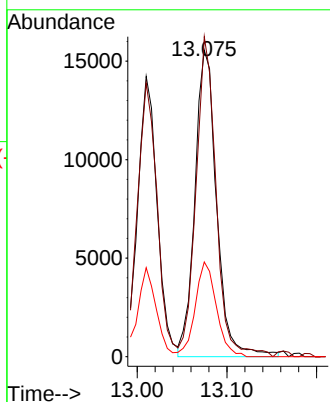
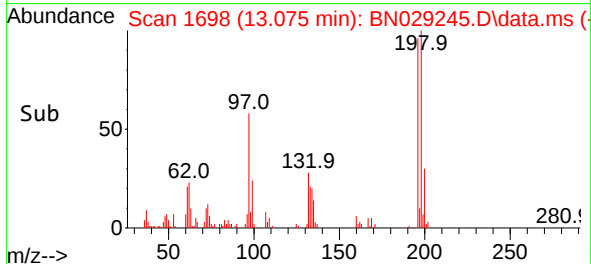
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



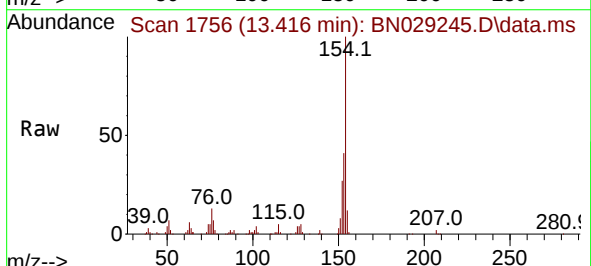
Tgt Ion:196 Resp: 2621  
Ion Ratio Lower Upper  
196 100  
198 104.4 76.5 114.7  
200 30.9 23.6 35.4

Manual Integrations  
APPROVED

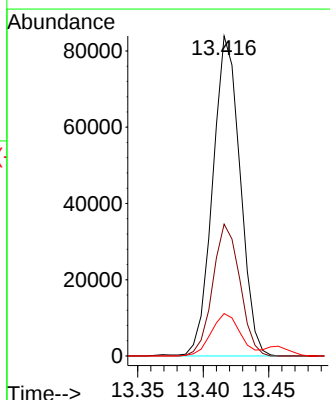
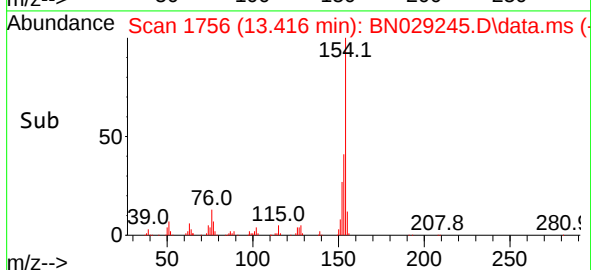
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

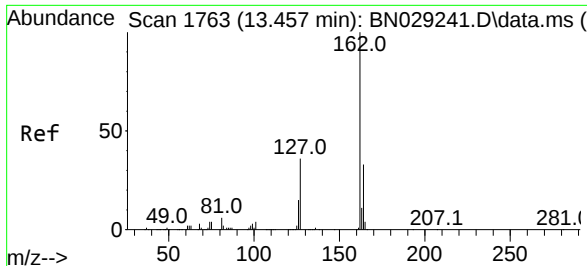


#43  
1,1'-Biphenyl  
Concen: 4.240 ng/ul  
RT: 13.416 min Scan# 1756  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



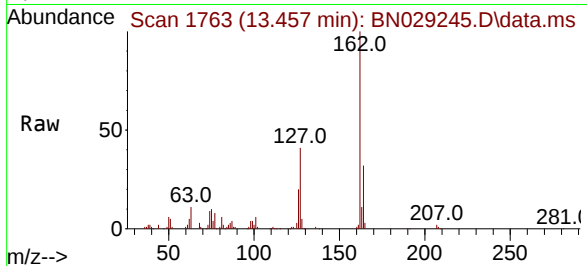
Tgt Ion:154 Resp: 122036  
Ion Ratio Lower Upper  
154 100  
153 41.2 32.4 48.6  
76 13.3 10.9 16.3





#44  
2-Chloronaphthalene  
Concen: 4.240 ng/ul  
RT: 13.457 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

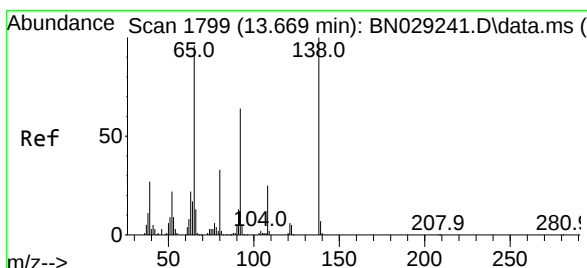
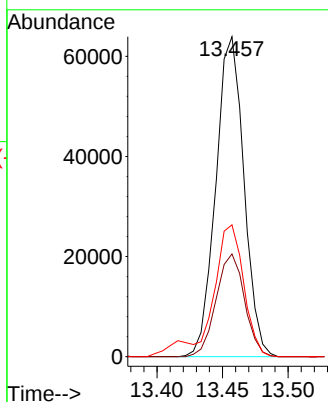
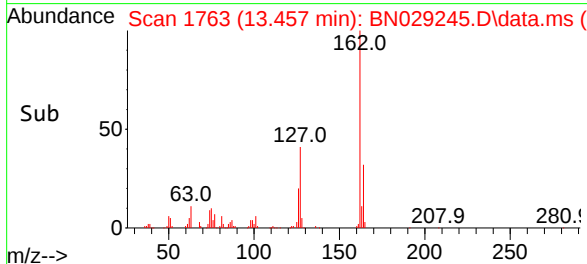
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion:162 Resp: 95318  
Ion Ratio Lower Upper  
162 100  
164 32.1 27.4 41.2  
127 41.2 33.2 49.8

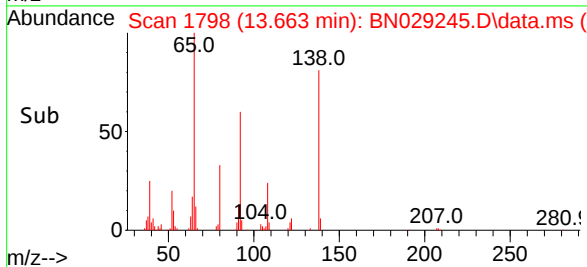
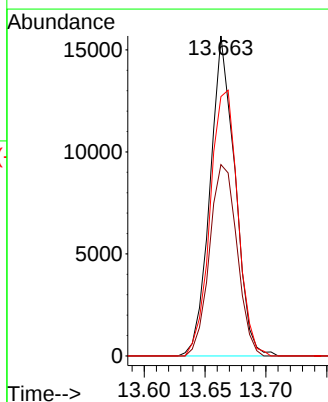
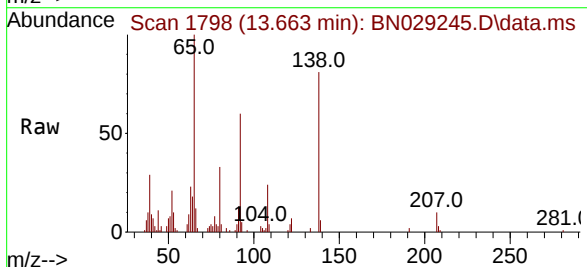
Manual Integrations  
APPROVED

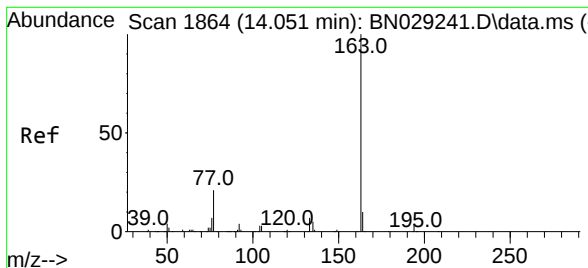
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#45  
2-Nitroaniline  
Concen: 3.753 ng/ul  
RT: 13.663 min Scan# 1798  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

Tgt Ion: 65 Resp: 22367  
Ion Ratio Lower Upper  
65 100  
92 59.8 52.4 78.6  
138 81.1 77.8 116.8





#47

Dimethylphthalate

Concen: 4.279 ng/ul

RT: 14.045 min Scan# 1863

Delta R.T. -0.006 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

Instrument :

BNA\_N

ClientSampleId :

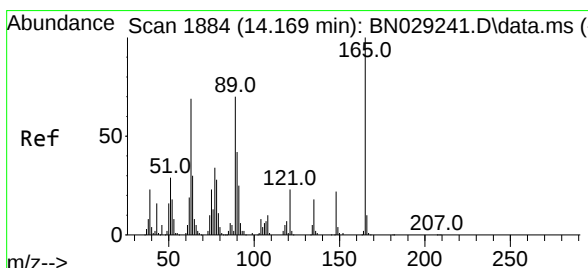
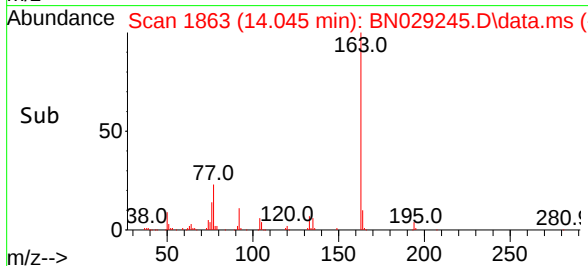
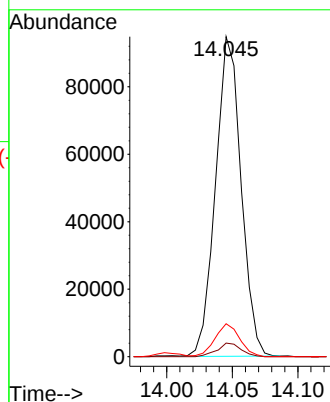
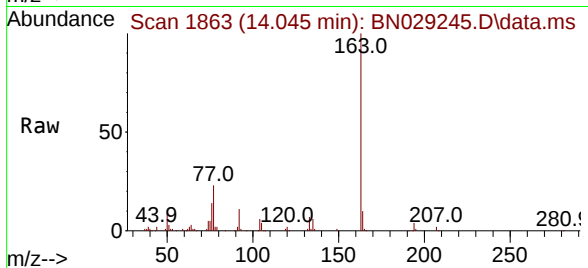
MDL-MED-SOIL-QT2-2023-03

|             |       |          |
|-------------|-------|----------|
| Tgt Ion:163 | Resp: | 12808    |
| Ion Ratio   | Lower | Upper    |
| 163         | 100   |          |
| 194         | 4.2   | 3.2 4.8  |
| 164         | 10.3  | 8.2 12.4 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#48

2,6-Dinitrotoluene

Concen: 3.581 ng/ul

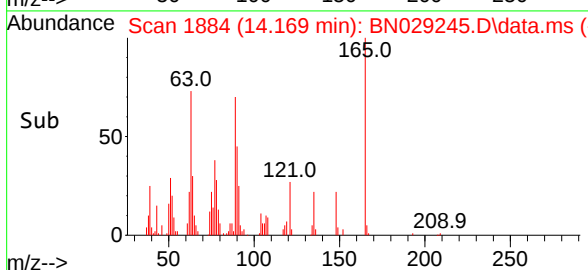
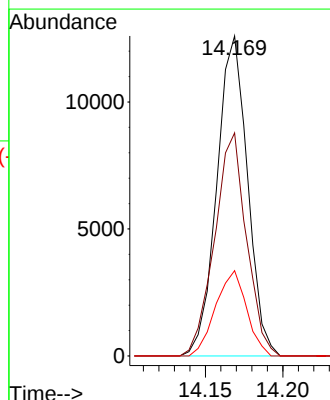
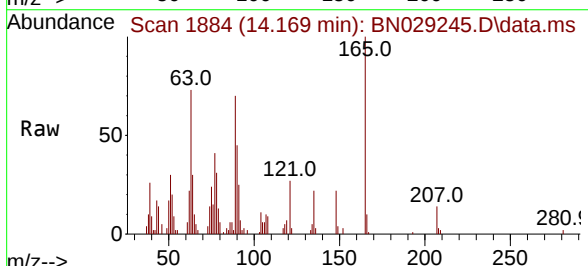
RT: 14.169 min Scan# 1884

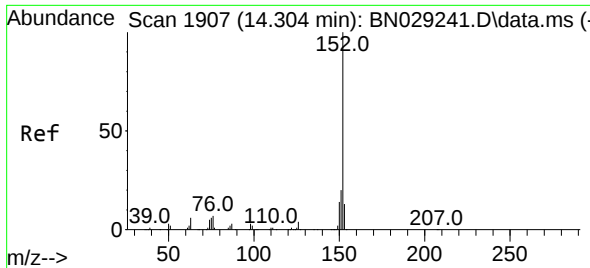
Delta R.T. 0.000 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

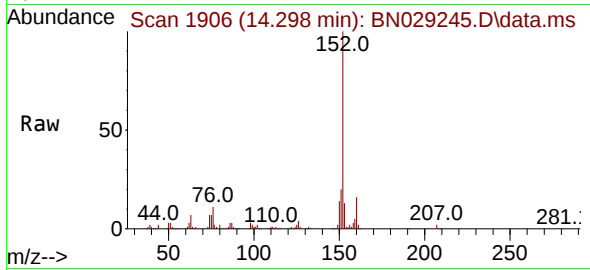
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:165 | Resp: | 17331     |
| Ion Ratio   | Lower | Upper     |
| 165         | 100   |           |
| 89          | 69.7  | 58.6 87.8 |
| 121         | 26.7  | 20.6 30.8 |





#50  
Acenaphthylene  
Concen: 4.250 ng/ul  
RT: 14.298 min Scan# 1906  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

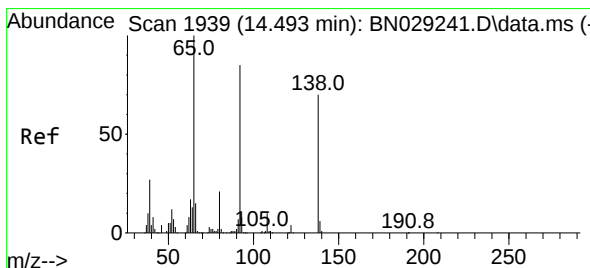
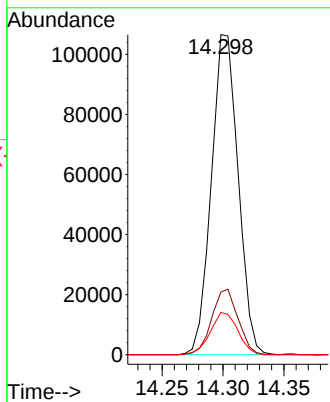
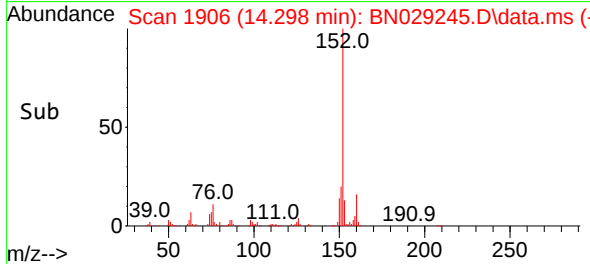
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion:152 Resp: 163230  
Ion Ratio Lower Upper  
152 100  
151 19.5 16.1 24.1  
153 13.2 10.3 15.5

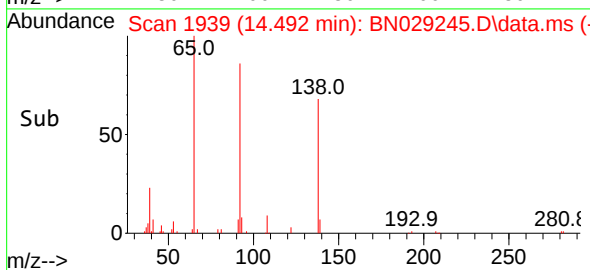
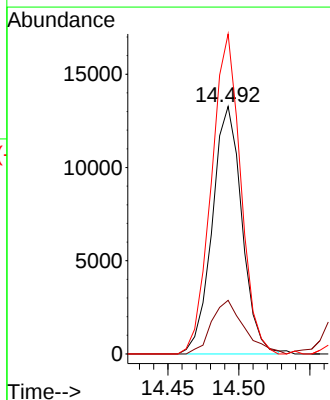
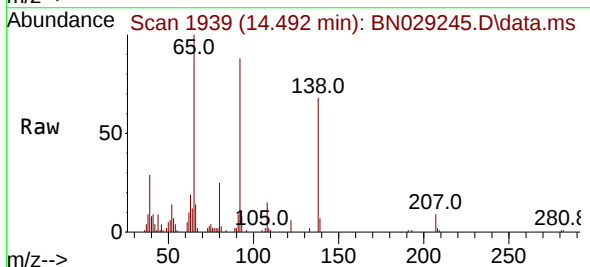
Manual Integrations  
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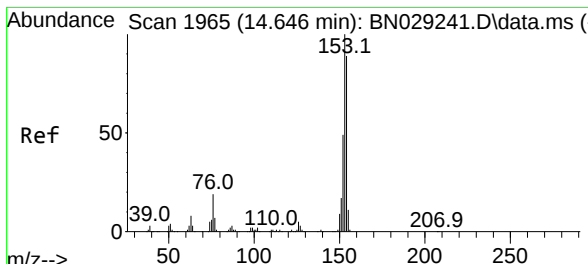
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#51  
3-Nitroaniline  
Concen: 3.676 ng/ul  
RT: 14.492 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

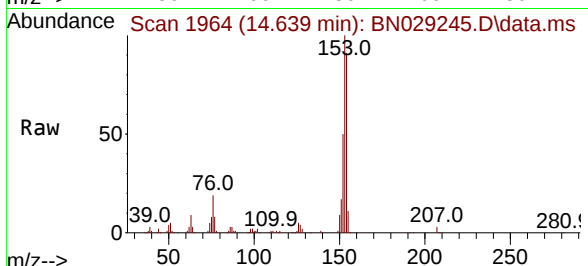
Tgt Ion:138 Resp: 19325  
Ion Ratio Lower Upper  
138 100  
108 21.7 13.4 20.2#  
92 129.3 101.8 152.6





#52  
 Acenaphthene  
 Concen: 4.229 ng/ul  
 RT: 14.639 min Scan# 1964  
 Delta R.T. -0.006 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

Instrument : BNA\_N  
 ClientSampleId : MDL-MED-SOIL-QT2-2023-03

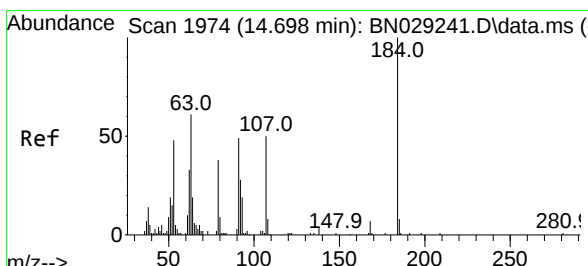
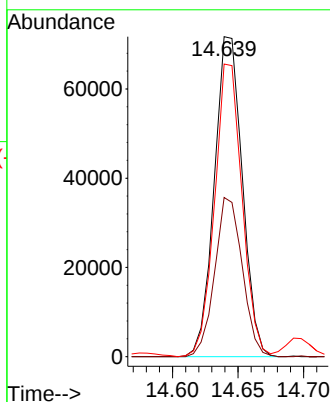
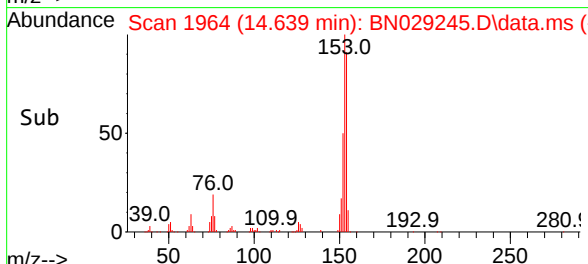


Tgt Ion:153 Resp: 10661

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 49.8  | 37.8  | 56.6  |
| 154 | 91.4  | 70.2  | 105.2 |

Manual Integrations  
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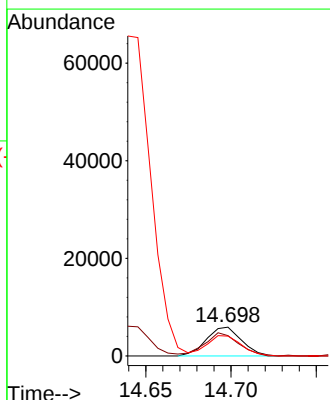
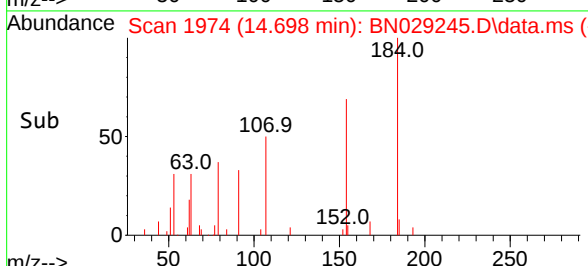
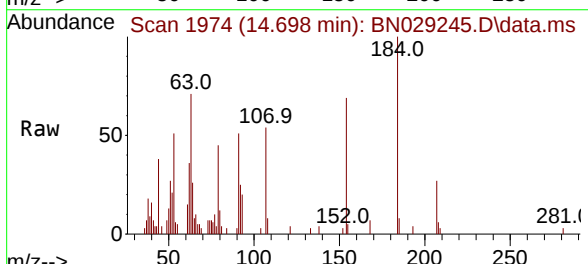
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

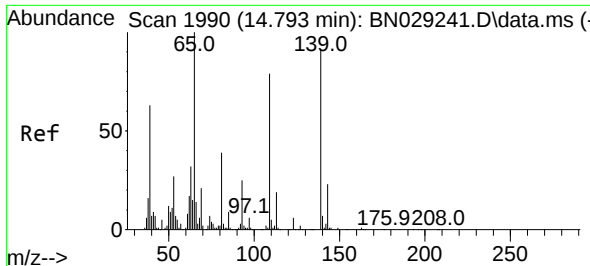


#53  
 2,4-Dinitrophenol  
 Concen: 4.100 ng/ul  
 RT: 14.698 min Scan# 1974  
 Delta R.T. 0.000 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

Tgt Ion:184 Resp: 8481

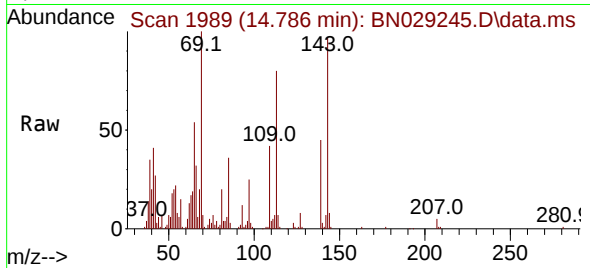
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 63  | 70.8  | 58.8  | 88.2  |
| 154 | 68.8  | 54.5  | 81.7  |





#55  
4-Nitrophenol  
Concen: 4.591 ng/ul  
RT: 14.786 min Scan# 1989  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

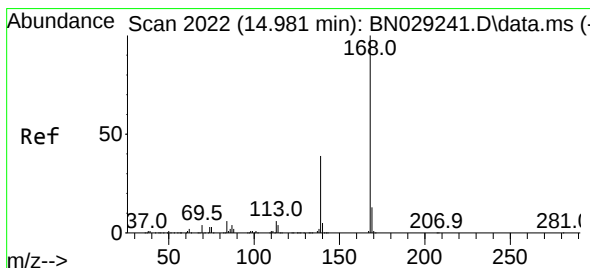
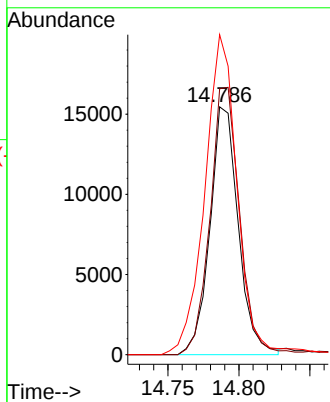
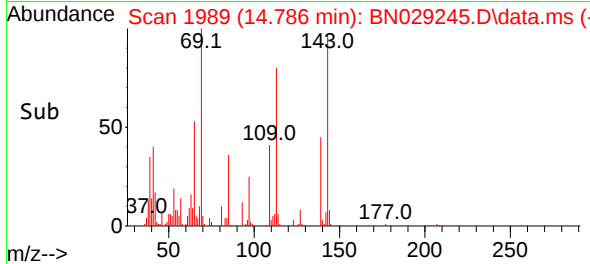
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion:109 Resp: 2151  
Ion Ratio Lower Upper  
109 100  
139 107.3 91.7 137.5  
65 129.1 100.4 150.6

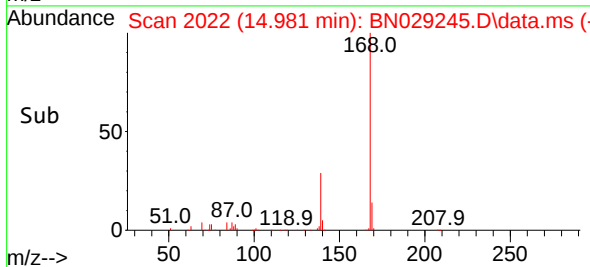
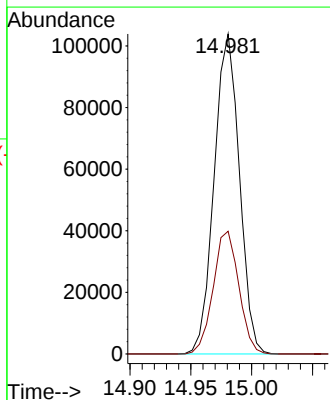
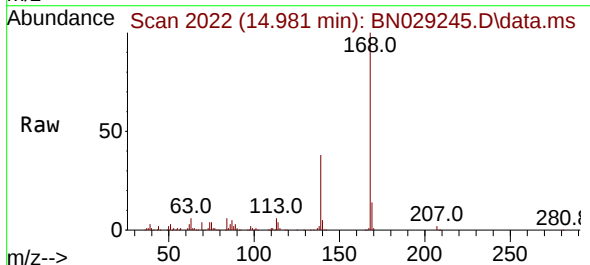
Manual Integrations  
APPROVED

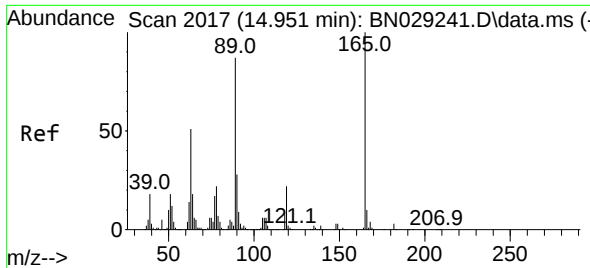
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#56  
Dibenzofuran  
Concen: 4.391 ng/ul  
RT: 14.981 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

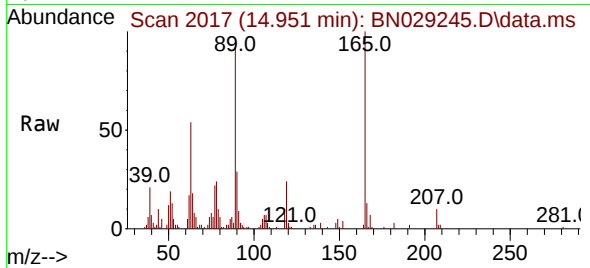
Tgt Ion:168 Resp: 149734  
Ion Ratio Lower Upper  
168 100  
139 38.4 32.7 49.1





#57  
2,4-Dinitrotoluene  
Concen: 3.691 ng/ul  
RT: 14.951 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

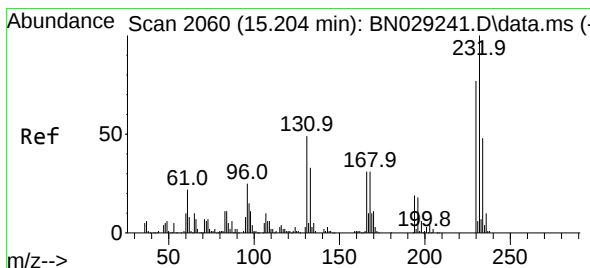
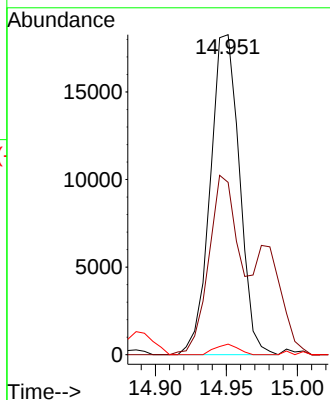
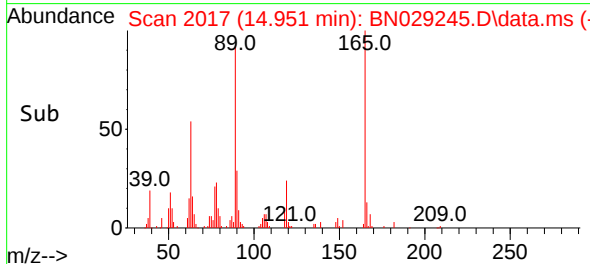
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



Tgt Ion:165 Resp: 2616  
Ion Ratio Lower Upper  
165 100  
63 53.8 42.0 63.0  
182 3.3 2.2 3.4

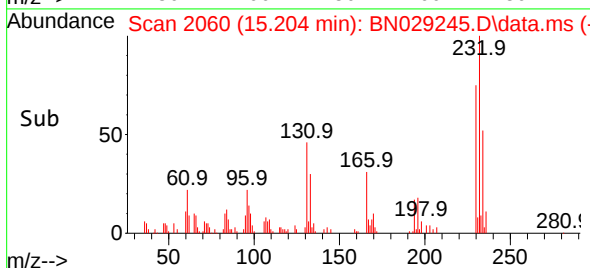
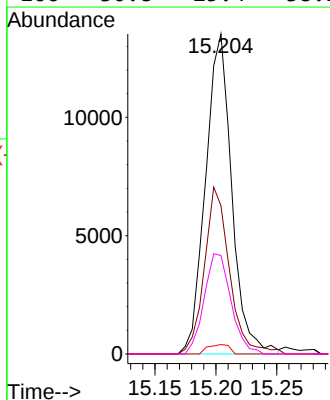
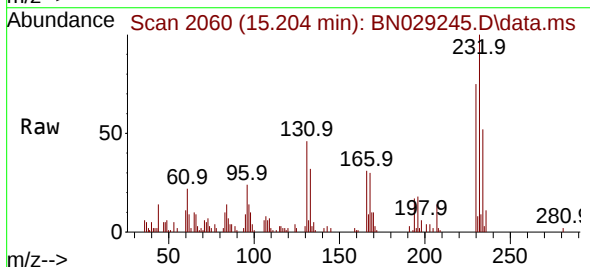
Manual Integrations  
APPROVED

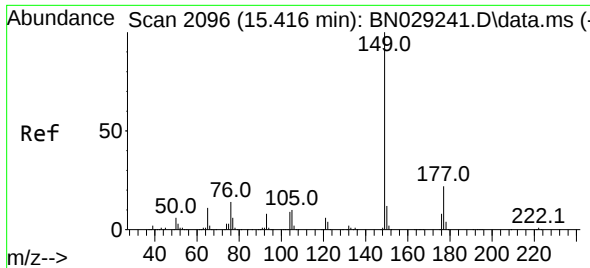
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 3.552 ng/ul  
RT: 15.204 min Scan# 2060  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

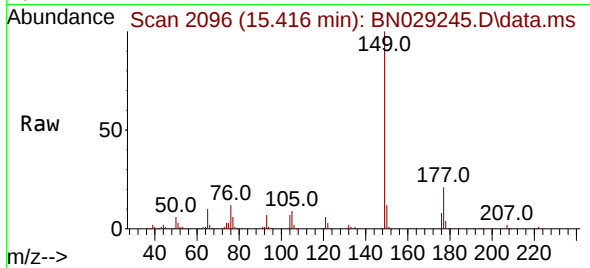
Tgt Ion:232 Resp: 20289  
Ion Ratio Lower Upper  
232 100  
131 46.3 39.7 59.5  
130 2.9 2.2 3.4  
166 30.8 25.4 38.2





#59  
Diethylphthalate  
Concen: 4.158 ng/ul  
RT: 15.416 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

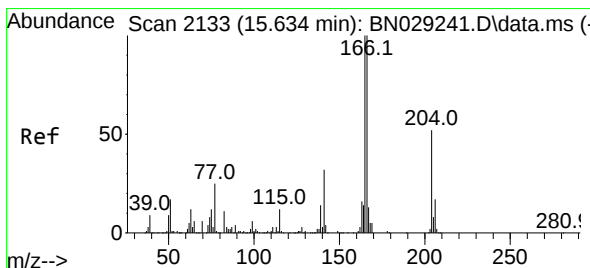
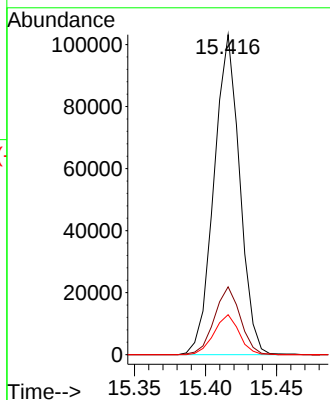
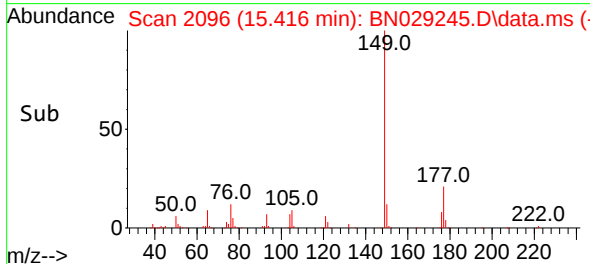
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



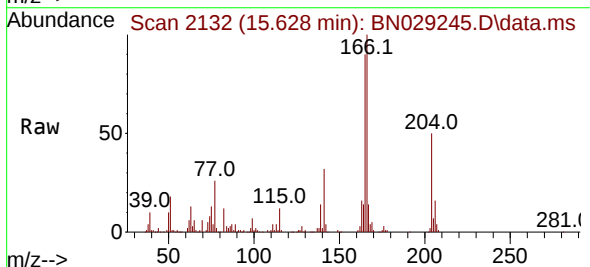
Tgt Ion:149 Resp: 12984  
Ion Ratio Lower Upper  
149 100  
177 21.2 17.7 26.5  
150 12.5 10.3 15.5

Manual Integrations  
APPROVED

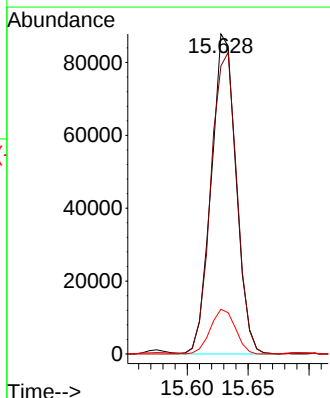
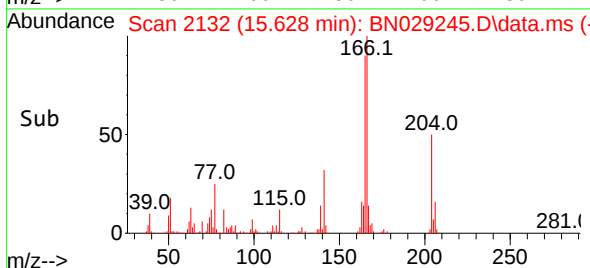
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

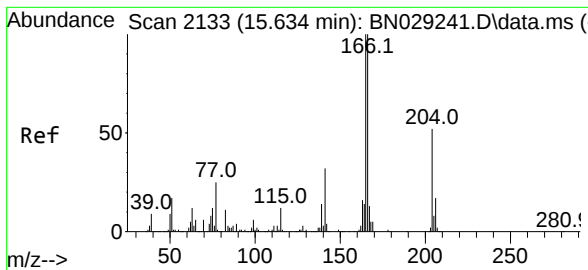


#61  
Fluorene  
Concen: 4.223 ng/ul  
RT: 15.628 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



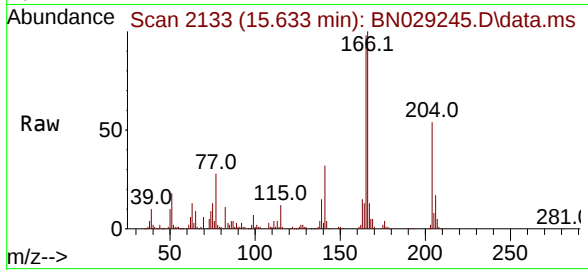
Tgt Ion:166 Resp: 124702  
Ion Ratio Lower Upper  
166 100  
165 90.0 79.0 118.6  
167 14.0 10.7 16.1





#62  
4-Chlorophenyl-phenylether  
Concen: 4.363 ng/ul  
RT: 15.633 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

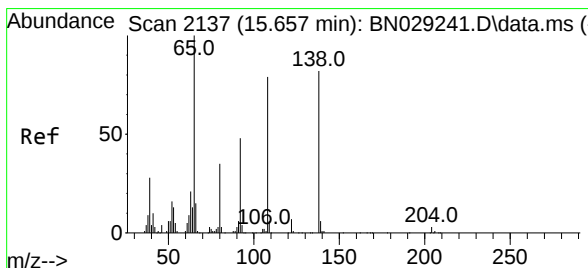
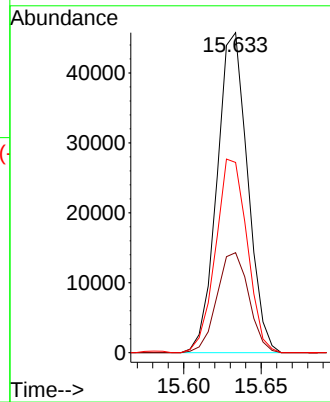
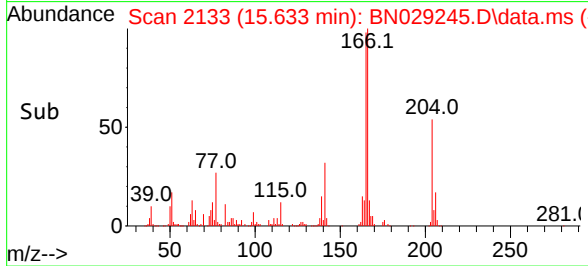
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



Tgt Ion:204 Resp: 62960  
Ion Ratio Lower Upper  
204 100  
206 31.3 26.1 39.1  
141 59.4 48.6 72.8

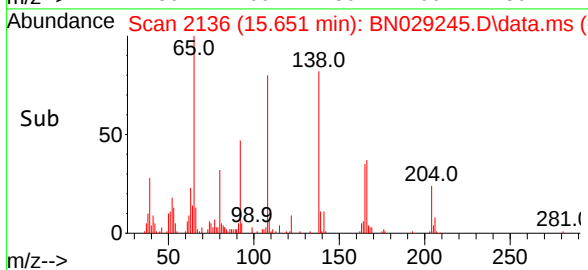
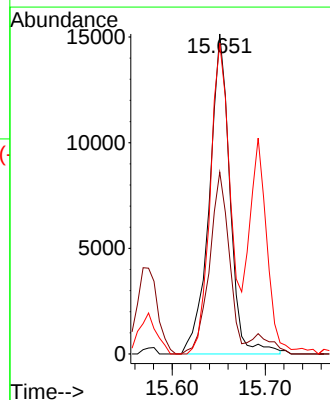
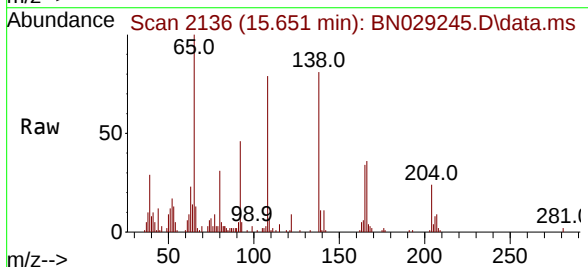
Manual Integrations  
APPROVED

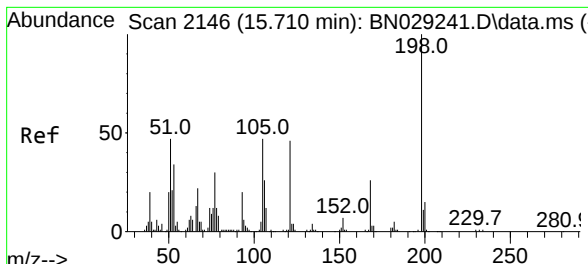
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#63  
4-Nitroaniline  
Concen: 4.488 ng/ul m  
RT: 15.651 min Scan# 2136  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

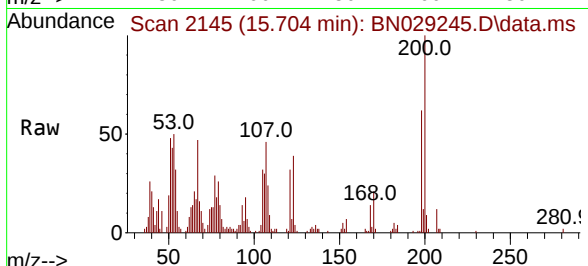
Tgt Ion:138 Resp: 23232  
Ion Ratio Lower Upper  
138 100  
92 56.8 44.5 66.7  
108 97.2 79.8 119.8





#66  
4,6-Dinitro-2-methylphenol  
Concen: 3.471 ng/ul  
RT: 15.704 min Scan# 2145  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

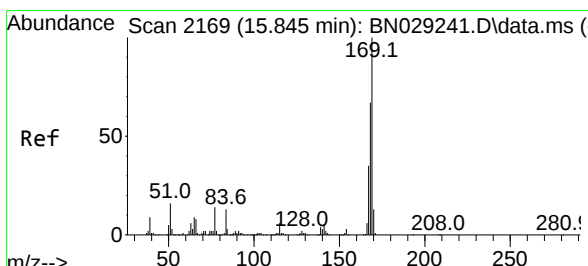
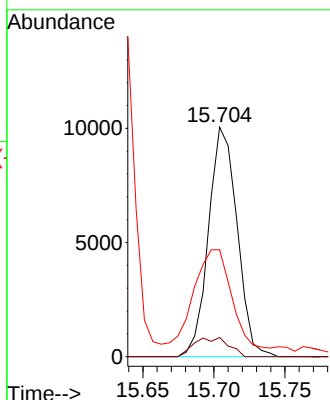
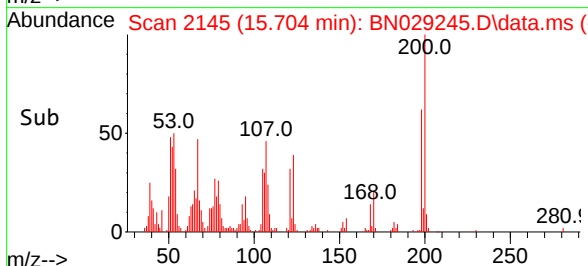
Instrument : BNA\_N  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03



Tgt Ion:198 Resp: 1409  
Ion Ratio Lower Upper  
198 100  
182 8.4 4.0 6.0  
77 46.6 24.7 37.1

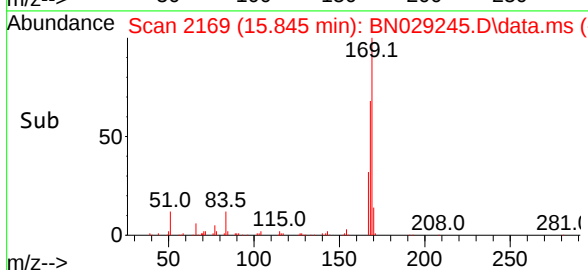
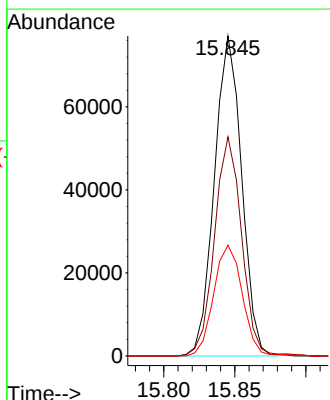
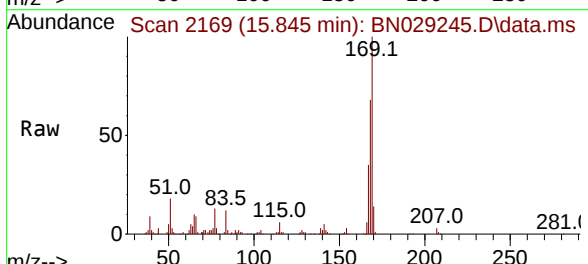
Manual Integrations  
APPROVED

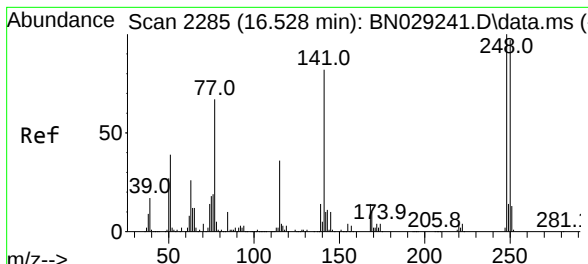
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#67  
N-Nitrosodiphenylamine  
Concen: 4.049 ng/ul  
RT: 15.845 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

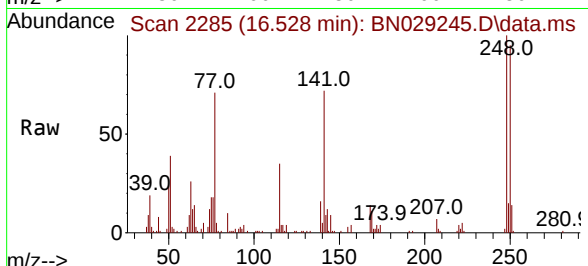
Tgt Ion:169 Resp: 102933  
Ion Ratio Lower Upper  
169 100  
168 68.4 55.1 82.7  
167 34.6 29.4 44.0





#68  
4-Bromophenyl-phenylether  
Concen: 3.720 ng/ul  
RT: 16.528 min Scan# 2285  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

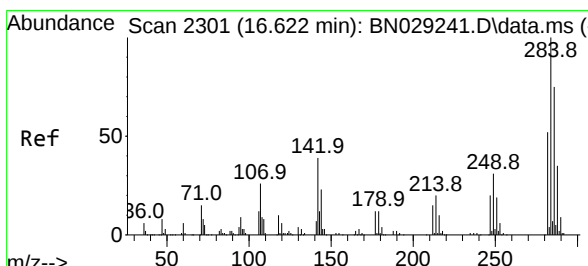
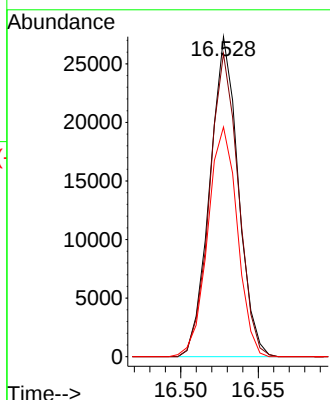
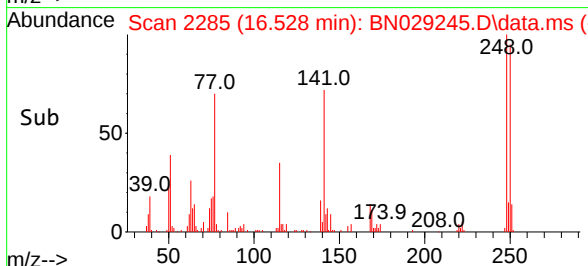
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



Tgt Ion:248 Resp: 3486  
Ion Ratio Lower Upper  
248 100  
250 94.7 80.2 120.2  
141 71.8 62.7 94.1

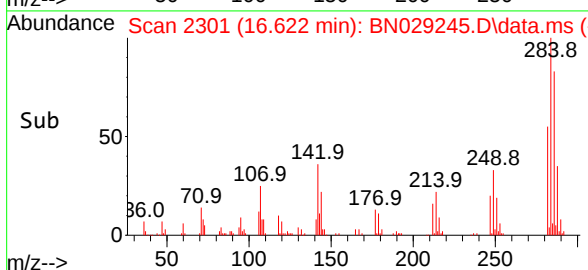
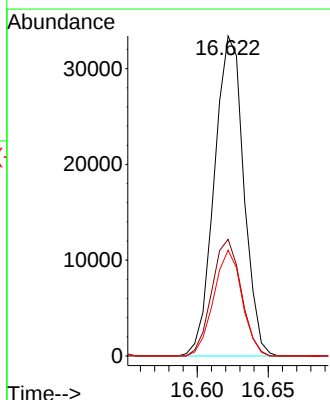
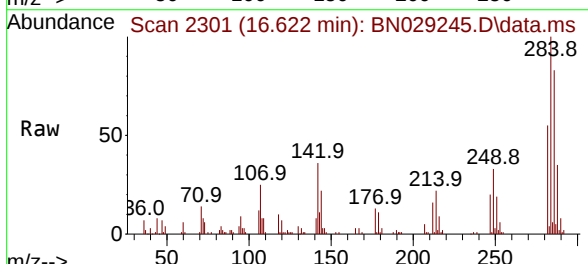
Manual Integrations  
APPROVED

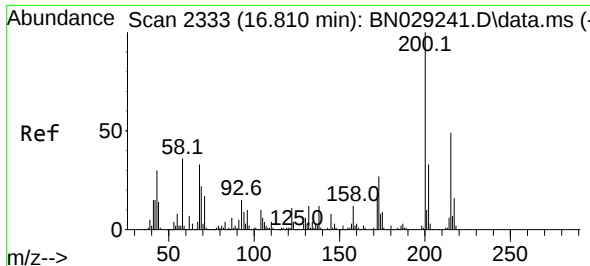
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#69  
Hexachlorobenzene  
Concen: 4.265 ng/ul  
RT: 16.622 min Scan# 2301  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

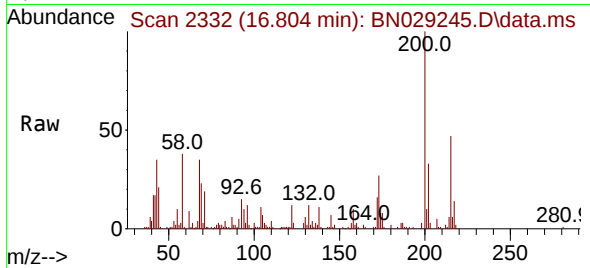
Tgt Ion:284 Resp: 48109  
Ion Ratio Lower Upper  
284 100  
142 36.4 24.9 37.3  
249 33.1 23.1 34.7





#70  
Atrazine  
Concen: 4.488 ng/ul  
RT: 16.804 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

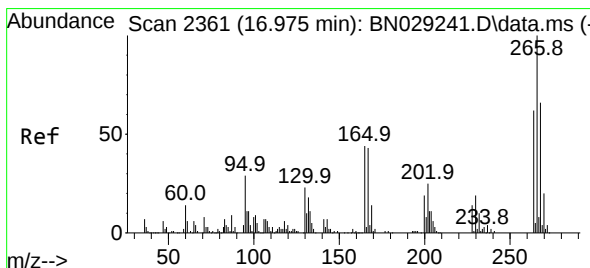
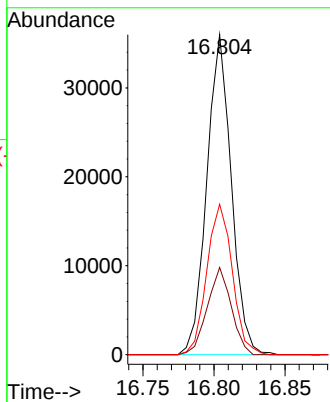
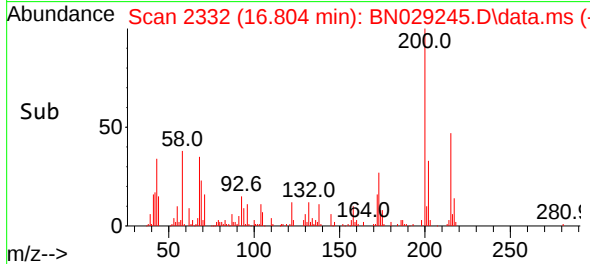
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



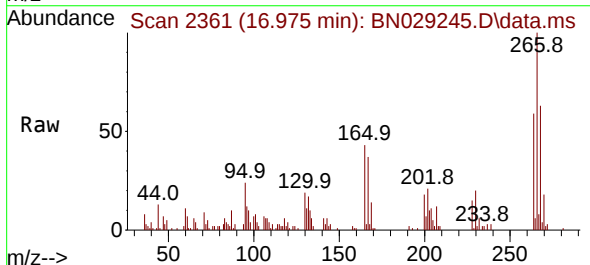
Tgt Ion:200 Resp: 43319  
Ion Ratio Lower Upper  
200 100  
173 27.3 20.1 30.1  
215 47.0 36.9 55.3

Manual Integrations  
APPROVED

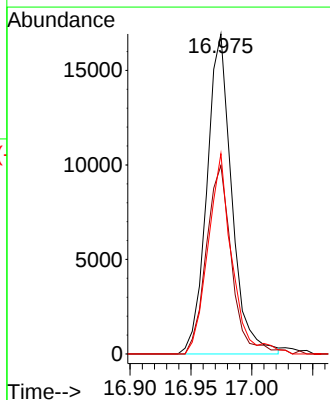
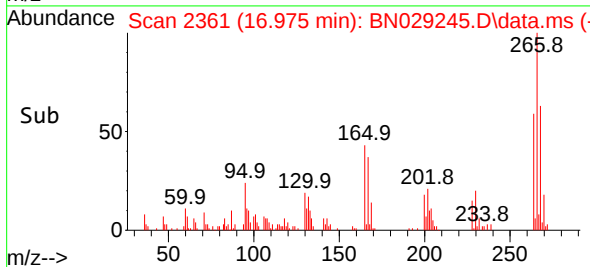
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

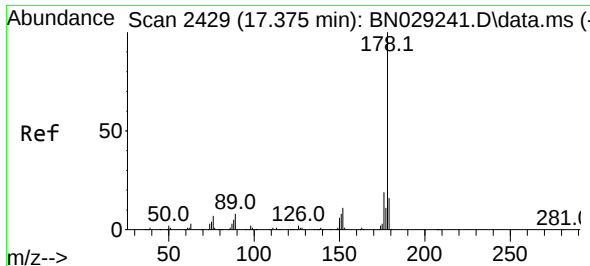


#71  
Pentachlorophenol  
Concen: 3.961 ng/ul  
RT: 16.975 min Scan# 2361  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



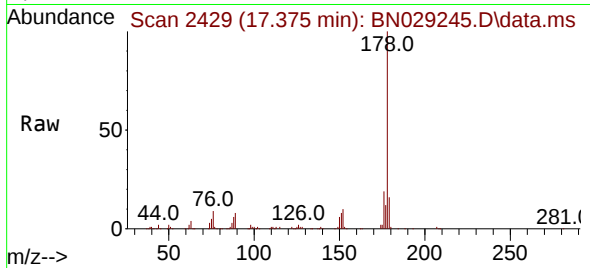
Tgt Ion:266 Resp: 24141  
Ion Ratio Lower Upper  
266 100  
264 64.6 53.4 80.0  
268 62.6 49.4 74.0





#72  
Phenanthrene  
Concen: 4.183 ng/ul  
RT: 17.375 min Scan# 2429  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

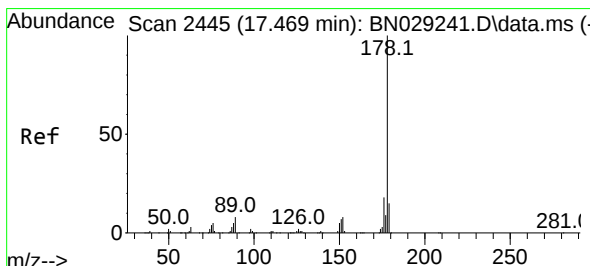
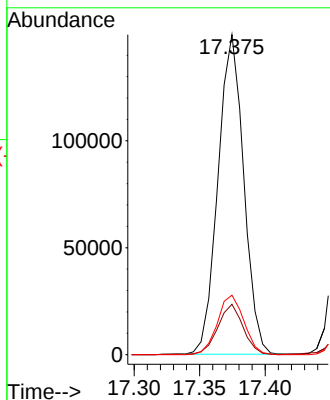
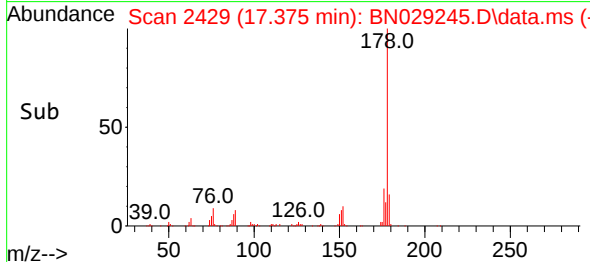
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



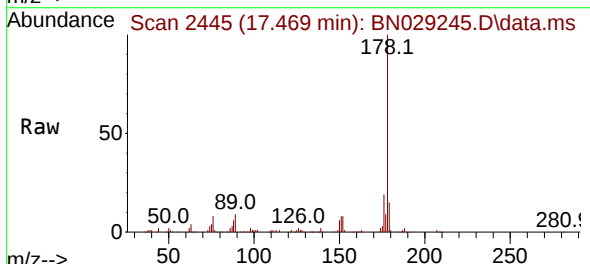
Tgt Ion:178 Resp: 20346  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.6 19.0  
176 18.6 15.7 23.5

Manual Integrations  
APPROVED

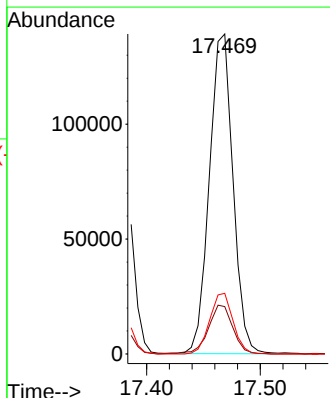
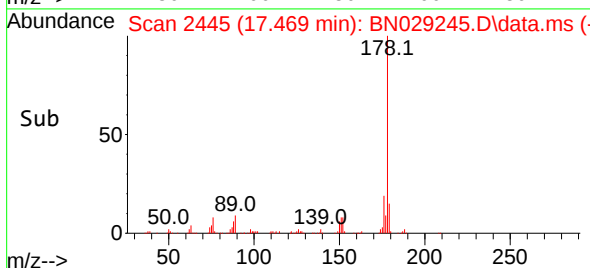
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

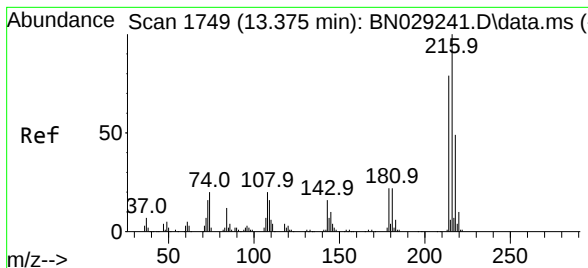


#74  
Anthracene  
Concen: 3.988 ng/ul  
RT: 17.469 min Scan# 2445  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



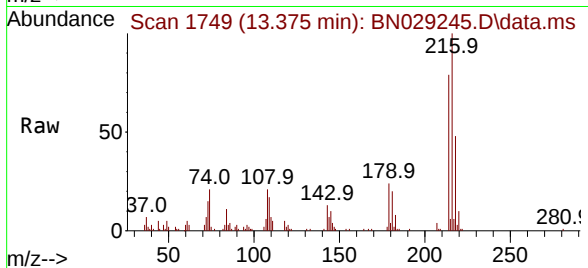
Tgt Ion:178 Resp: 201436  
Ion Ratio Lower Upper  
178 100  
179 14.8 11.6 17.4  
176 19.0 14.2 21.4





#75  
1,2,3,4-Tetrachlorobenzene  
Concen: 4.146 ng/uL  
RT: 13.375 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

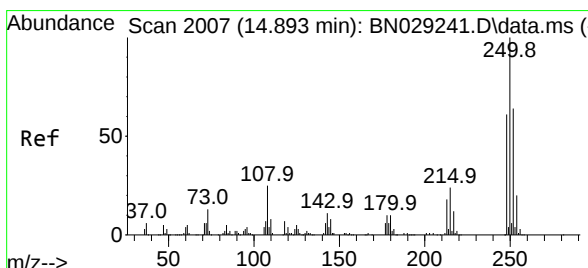
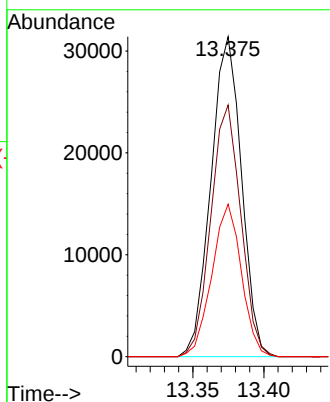
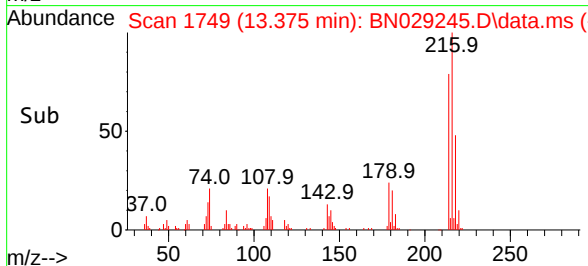
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



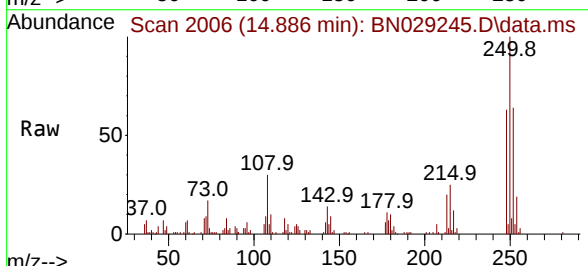
Tgt Ion:216 Resp: 47000  
Ion Ratio Lower Upper  
216 100  
214 78.7 58.3 87.5  
218 47.6 35.2 52.8

Manual Integrations  
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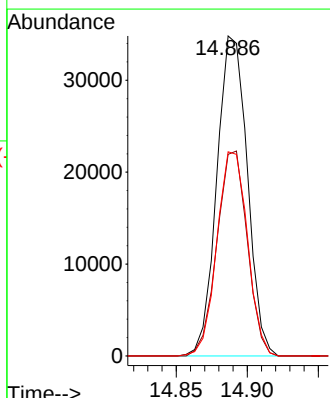
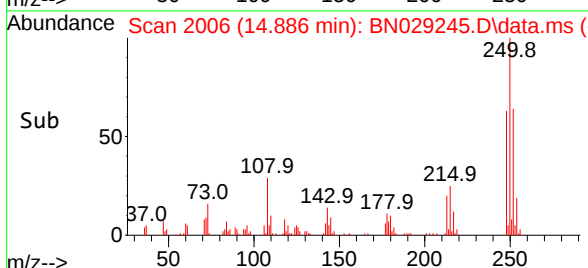
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

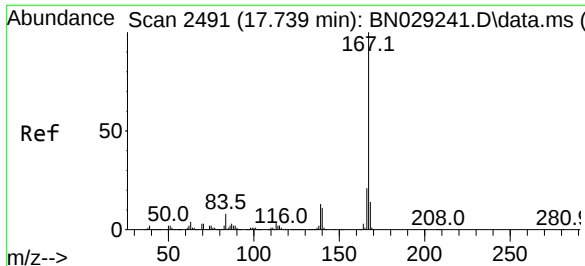


#76  
Pentachlorobenzene  
Concen: 4.430 ng/uL  
RT: 14.886 min Scan# 2006  
Delta R.T. -0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42



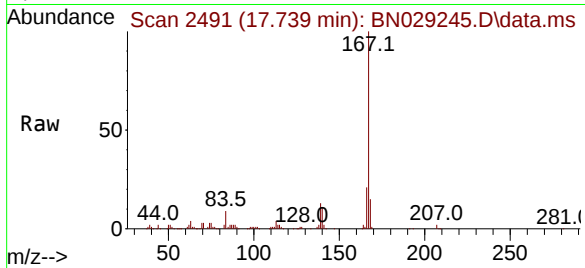
Tgt Ion:250 Resp: 51985  
Ion Ratio Lower Upper  
250 100  
248 63.0 50.5 75.7  
252 63.8 54.3 81.5





#77  
 Carbazole  
 Concen: 3.876 ng/ul  
 RT: 17.739 min Scan# 2491  
 Delta R.T. 0.000 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

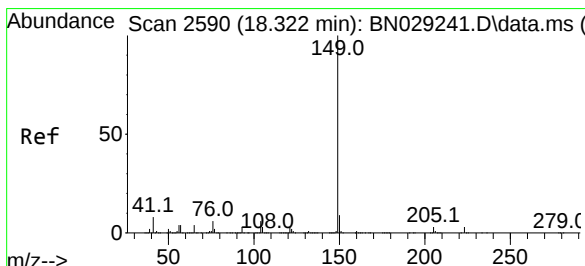
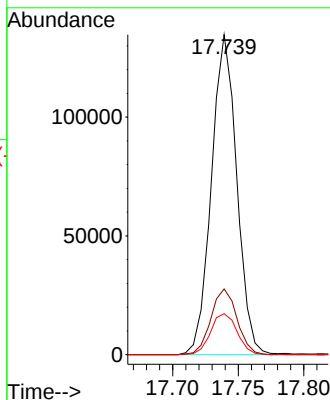
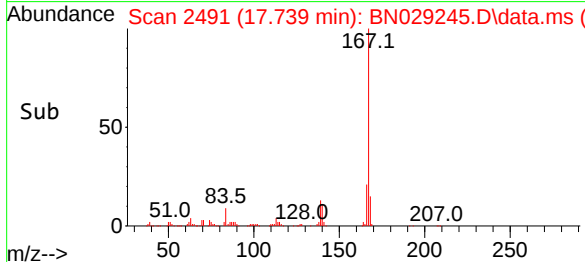
Instrument : BNA\_N  
 ClientSampleId : MDL-MED-SOIL-QT2-2023-03



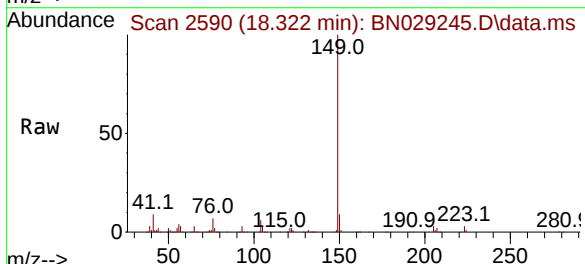
Tgt Ion:167 Resp: 181062  
 Ion Ratio Lower Upper  
 167 100  
 166 20.6 18.0 27.0  
 139 12.8 10.8 16.2

Manual Integrations  
 APPROVED

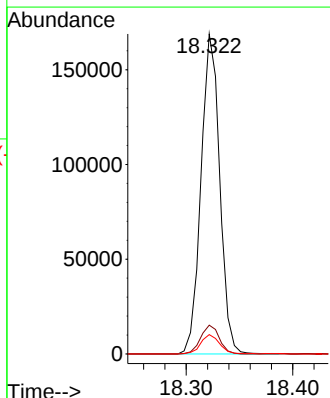
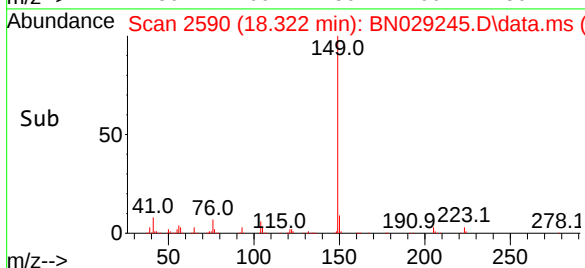
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

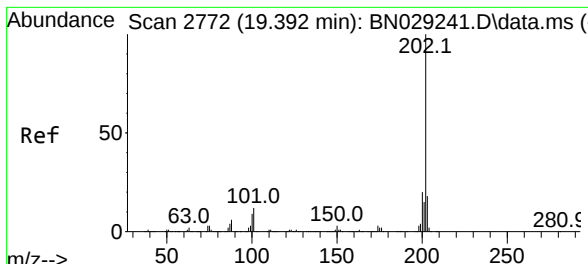


#78  
 Di-n-butylphthalate  
 Concen: 3.629 ng/ul  
 RT: 18.322 min Scan# 2590  
 Delta R.T. 0.000 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42



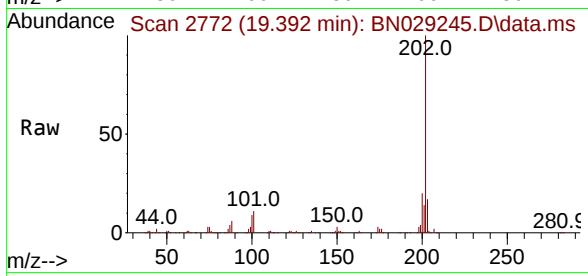
Tgt Ion:149 Resp: 206701  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.1 10.7  
 104 6.0 4.8 7.2





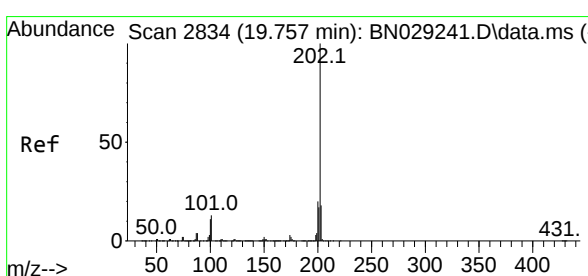
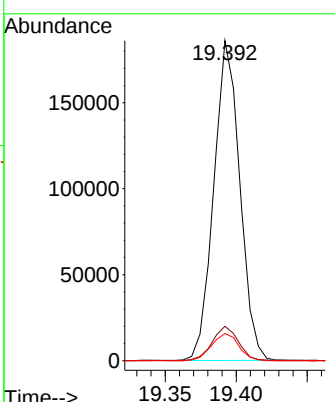
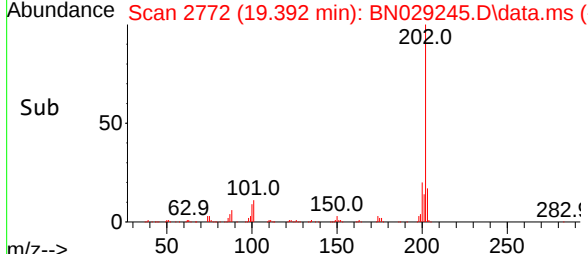
#80  
 Fluoranthene  
 Concen: 4.040 ng/u1  
 RT: 19.392 min Scan# 2772  
 Delta R.T. 0.000 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42

Instrument : BNA\_N  
 ClientSampleId : MDL-MED-SOIL-QT2-2023-03

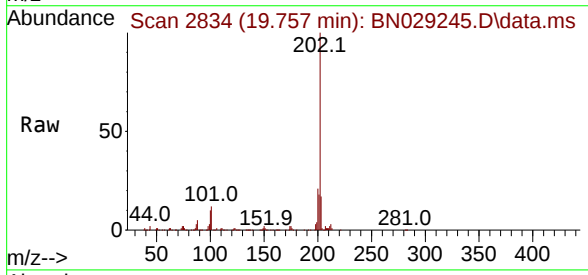


|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 236730 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 10.8  | 9.3   | 13.9   |
| 100       | 8.5   | 7.0   | 10.6   |

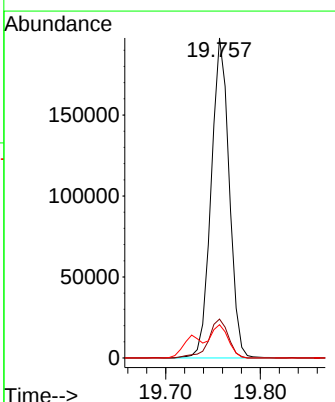
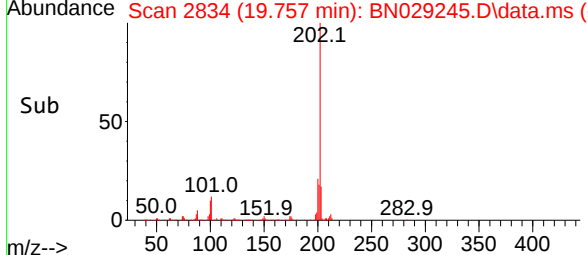
Manual Integrations  
**APPROVED**  
 Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

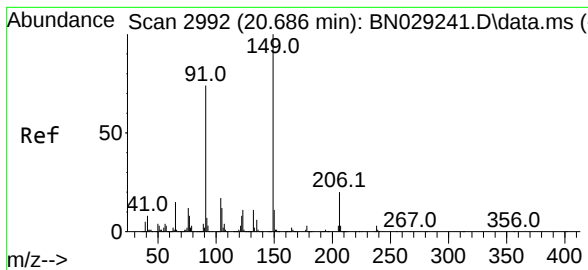


#82  
 Pyrene  
 Concen: 4.196 ng/u1  
 RT: 19.757 min Scan# 2834  
 Delta R.T. 0.000 min  
 Lab File: BN029245.D  
 Acq: 16 Jan 2024 12:42



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 202   | Resp: | 261174 |
| Ion Ratio | Lower | Upper |        |
| 202       | 100   |       |        |
| 101       | 12.2  | 10.3  | 15.5   |
| 100       | 10.4  | 8.9   | 13.3   |





#83

Butylbenzylphthalate

Concen: 3.235 ng/ul

RT: 20.686 min Scan# 2992

Delta R.T. 0.006 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

Instrument :

BNA\_N

ClientSampleId :

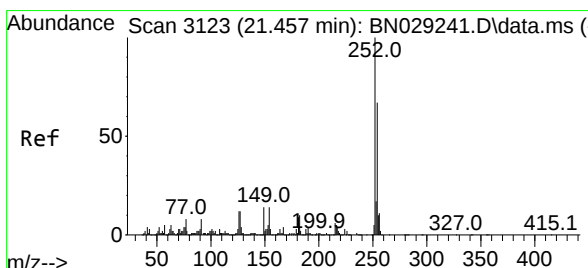
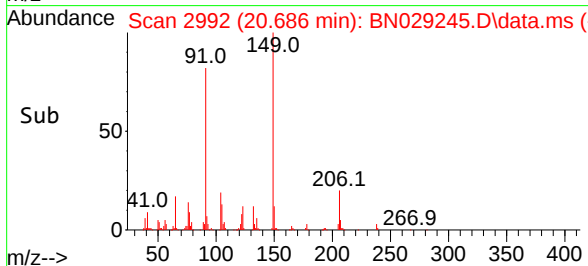
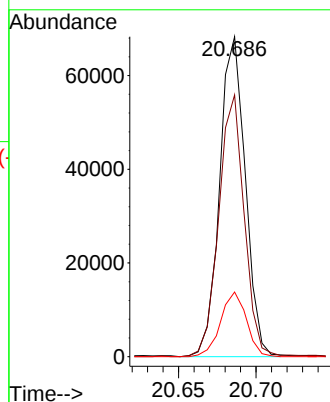
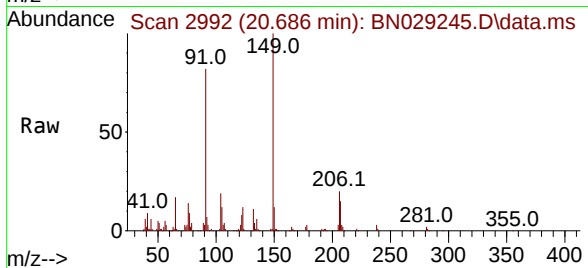
MDL-MED-SOIL-QT2-2023-03

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 7872 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 91        | 81.8  | 65.4  | 98.2 |
| 206       | 20.2  | 14.9  | 22.3 |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#84

3,3'-Dichlorobenzidine

Concen: 3.507 ng/ul

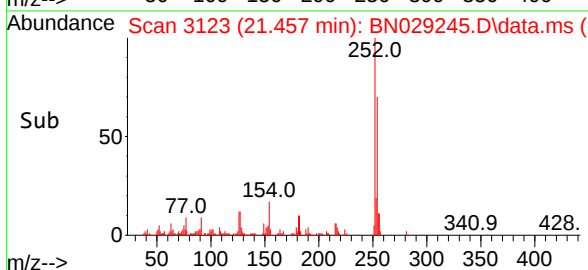
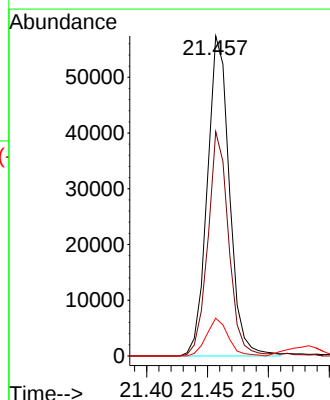
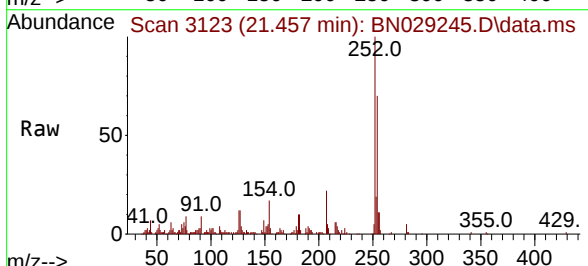
RT: 21.457 min Scan# 3123

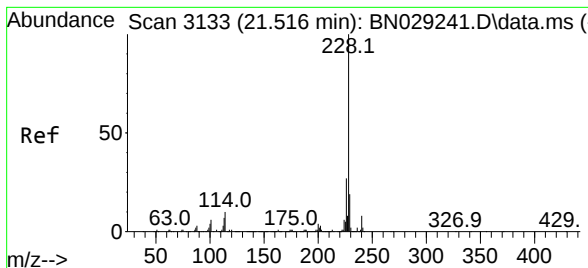
Delta R.T. 0.000 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 72621 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 70.1  | 50.7  | 76.1  |
| 126       | 11.8  | 8.6   | 12.8  |





#85

Benzo(a)anthracene

Concen: 4.155 ng/ul

RT: 21.521 min Scan# 3133

Delta R.T. 0.006 min

Lab File: BN029245.D

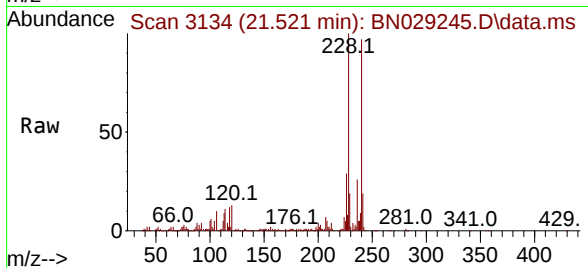
Acq: 16 Jan 2024 12:42

Instrument :

BNA\_N

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03



Tgt Ion:228 Resp: 273272

Ion Ratio Lower Upper

228 100

229 19.3 16.3 24.5

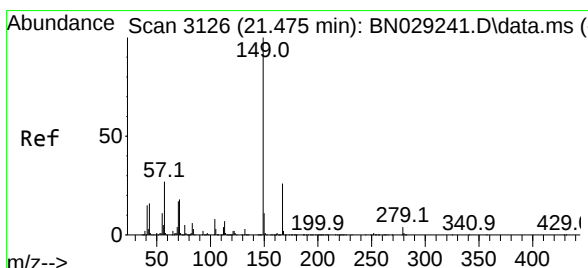
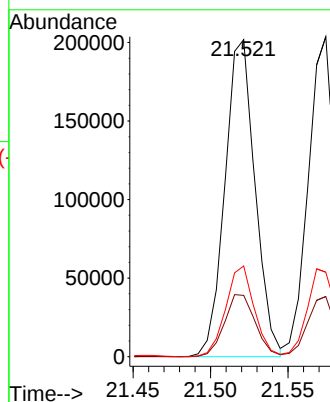
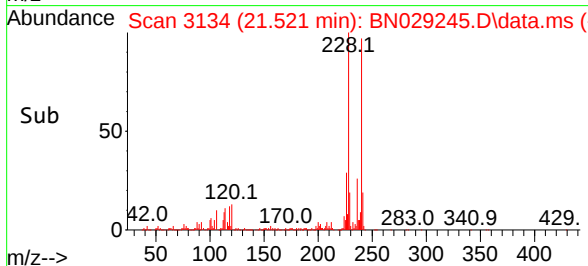
226 28.6 22.4 33.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/17/2024

Supervised By :mohammad ahmed 01/18/2024



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.298 ng/ul

RT: 21.474 min Scan# 3126

Delta R.T. 0.000 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

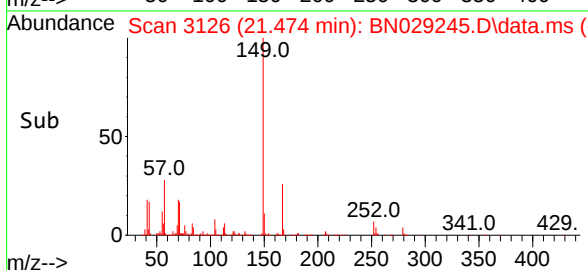
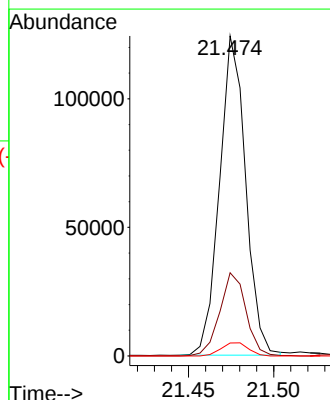
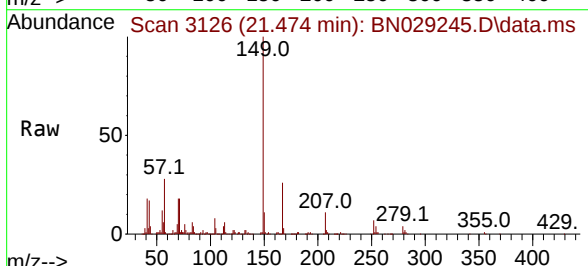
Tgt Ion:149 Resp: 132518

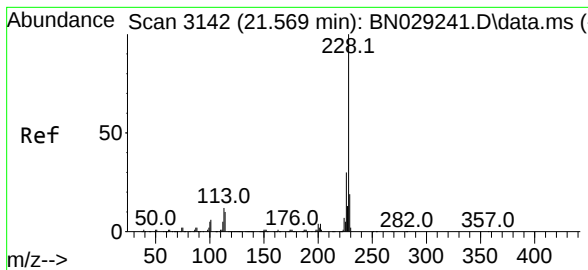
Ion Ratio Lower Upper

149 100

167 26.0 20.6 31.0

279 4.1 3.6 5.4





#87

Chrysene

Concen: 4.195 ng/ul

RT: 21.574 min Scan# 3143

Delta R.T. 0.006 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

Instrument :

BNA\_N

ClientSampleId :

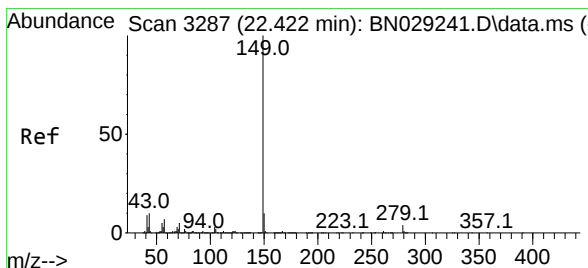
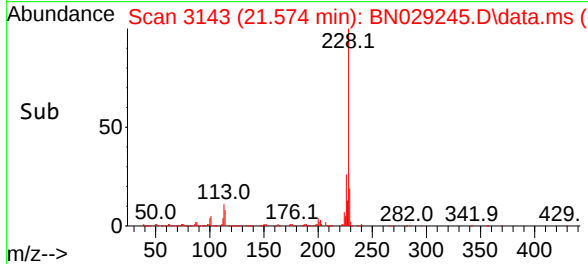
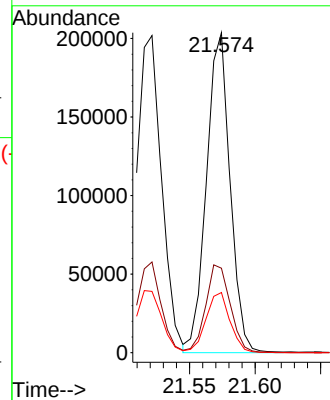
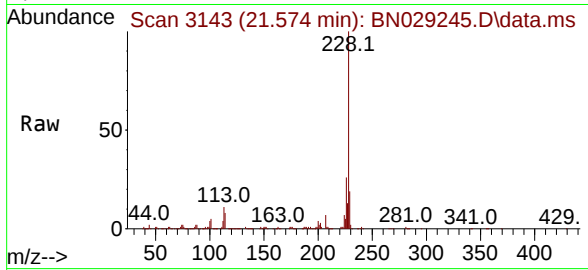
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:228 Resp: 25518  
 Ion Ratio Lower Upper  
 228 100  
 226 26.4 24.3 36.5  
 229 18.8 15.9 23.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024



#89

Di-n-octyl phthalate

Concen: 2.780 ng/ul

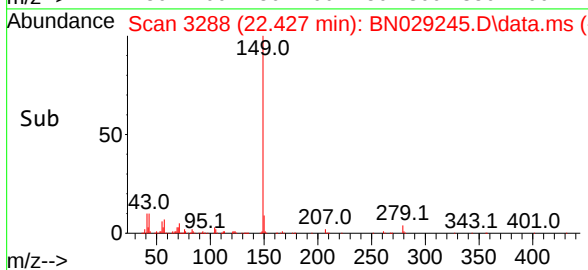
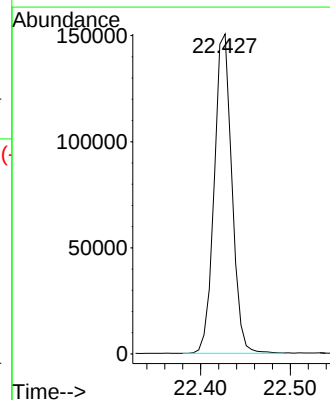
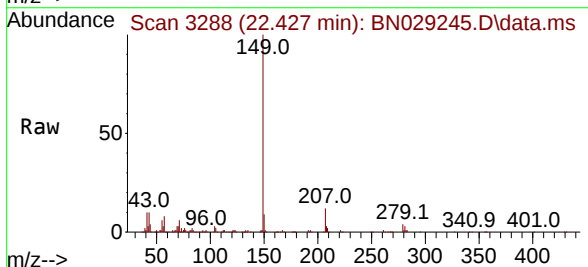
RT: 22.427 min Scan# 3288

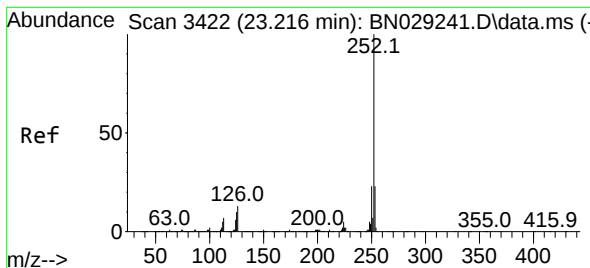
Delta R.T. 0.006 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

Tgt Ion:149 Resp: 205629





#90

Benzo(b)fluoranthene

Concen: 4.033 ng/ul

RT: 23.215 min Scan# 3422

Delta R.T. 0.006 min

Lab File: BN029245.D

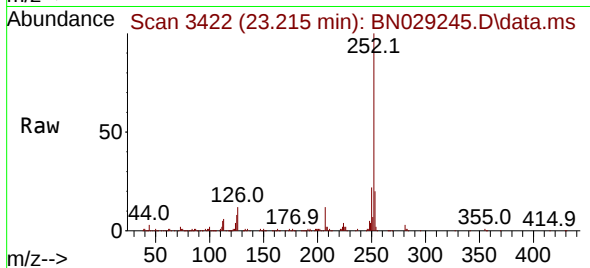
Acq: 16 Jan 2024 12:42

Instrument :

BNA\_N

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03



Tgt Ion:252 Resp: 26834

Ion Ratio Lower Upper

252 100

253 19.7 16.9 25.3

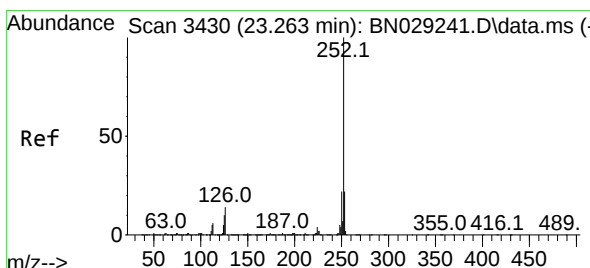
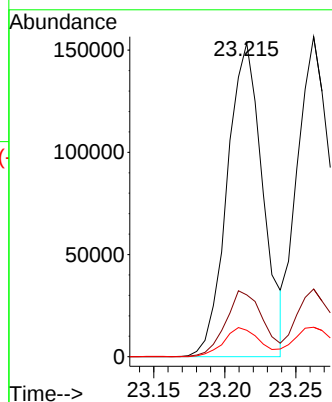
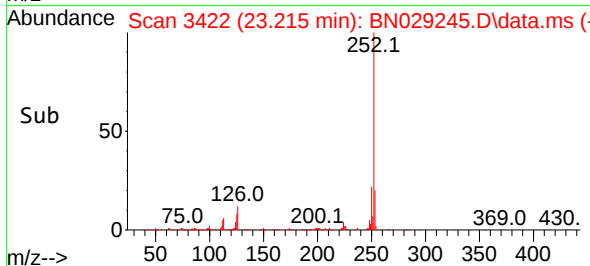
125 8.4 8.2 12.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 01/17/2024

Supervised By :mohammad ahmed 01/18/2024



#91

Benzo(k)fluoranthene

Concen: 3.959 ng/ul

RT: 23.262 min Scan# 3430

Delta R.T. 0.000 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

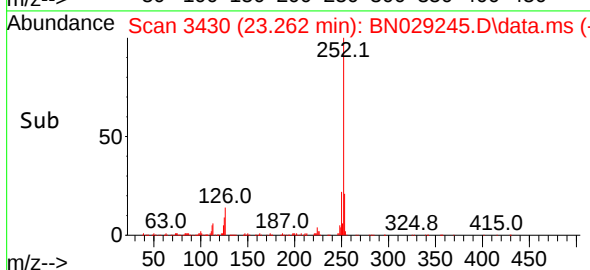
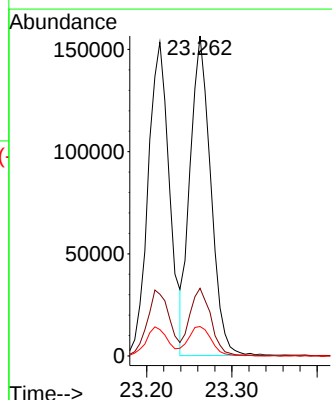
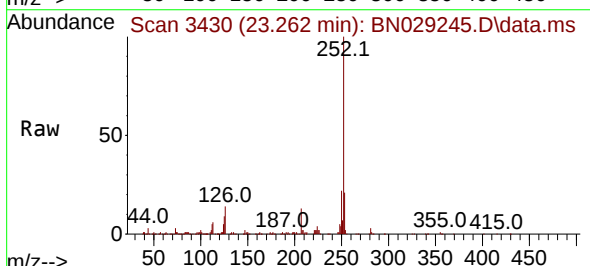
Tgt Ion:252 Resp: 262518

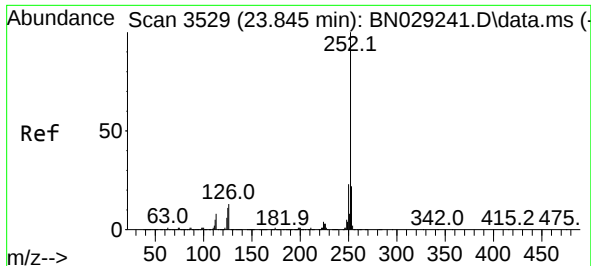
Ion Ratio Lower Upper

252 100

253 21.2 18.2 27.2

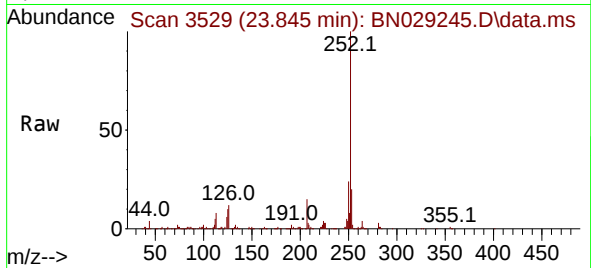
125 9.2 8.0 12.0





#93  
Benzo(a)pyrene  
Concen: 4.129 ng/ul  
RT: 23.845 min Scan# 3529  
Delta R.T. 0.006 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

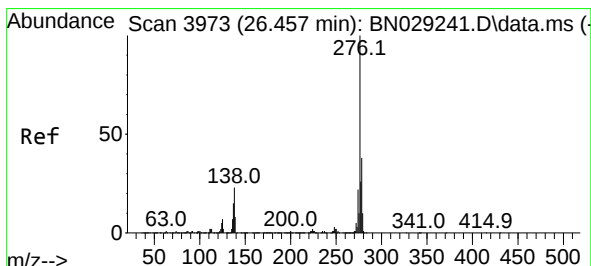
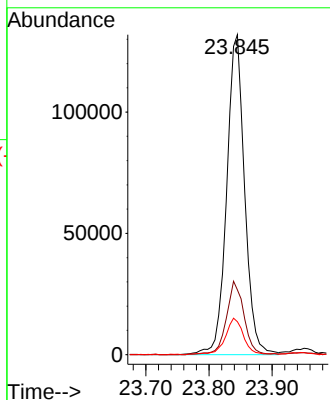
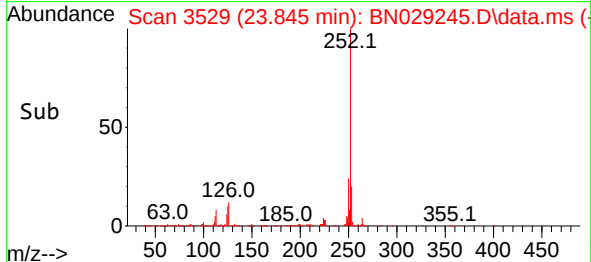
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03



Tgt Ion:252 Resp: 260533  
Ion Ratio Lower Upper  
252 100  
253 20.3 17.4 26.0  
125 10.3 9.0 13.6

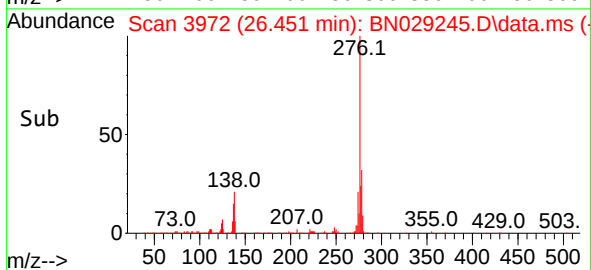
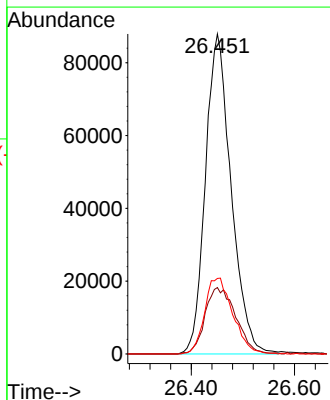
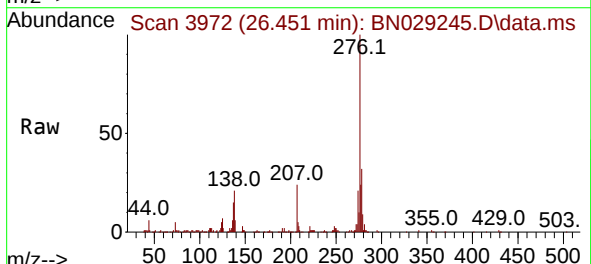
Manual Integrations  
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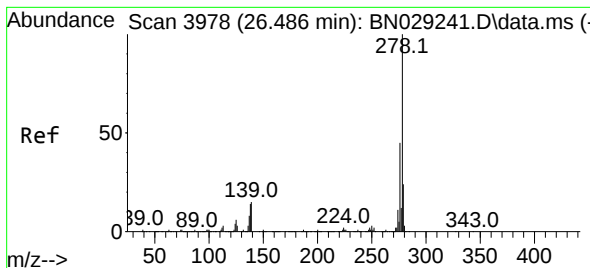
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#94  
Indeno(1,2,3-cd)pyrene  
Concen: 3.800 ng/ul  
RT: 26.451 min Scan# 3972  
Delta R.T. 0.000 min  
Lab File: BN029245.D  
Acq: 16 Jan 2024 12:42

Tgt Ion:276 Resp: 303459  
Ion Ratio Lower Upper  
276 100  
138 20.7 17.2 25.8  
277 23.6 18.6 28.0





#95

Dibenzo(a,h)anthracene

Concen: 3.906 ng/ul

RT: 26.480 min Scan# 3978

Delta R.T. 0.000 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

Instrument :

BNA\_N

ClientSampleId :

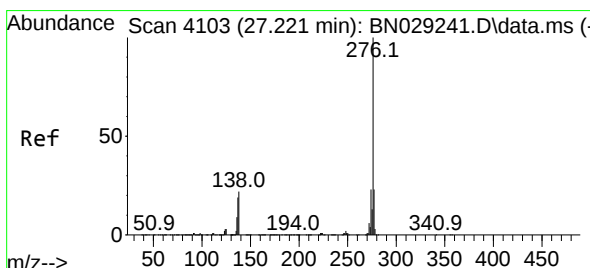
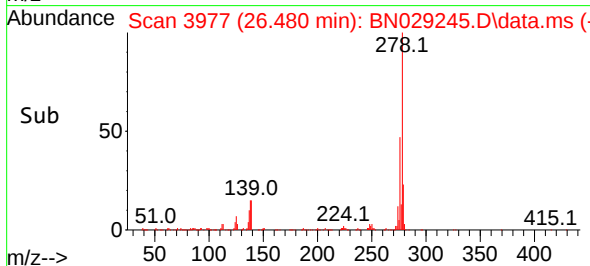
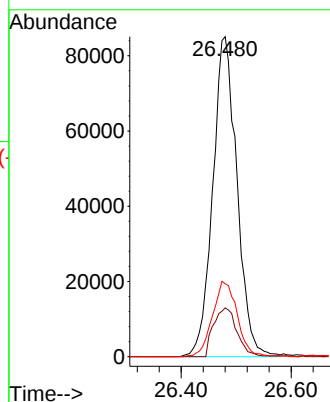
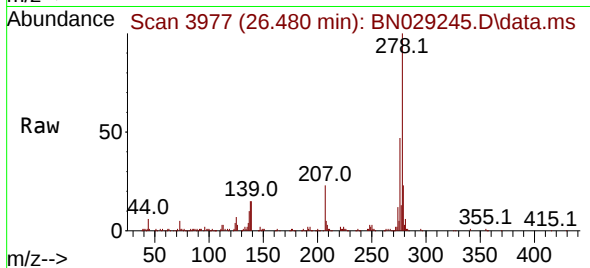
MDL-MED-SOIL-QT2-2023-03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 278   | Resp: | 260119 |
| Ion Ratio | Lower | Upper |        |
| 278       | 100   |       |        |
| 139       | 15.2  | 12.0  | 18.0   |
| 279       | 22.8  | 19.3  | 28.9   |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#96

Benzo(g,h,i)perylene

Concen: 3.799 ng/ul

RT: 27.215 min Scan# 4102

Delta R.T. 0.000 min

Lab File: BN029245.D

Acq: 16 Jan 2024 12:42

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 242278 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 20.1  | 15.8  | 23.6   |
| 277       | 22.8  | 17.0  | 25.6   |

