

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN011624\  
 Data File : BN029250.D  
 Acq On : 16 Jan 2024 15:43  
 Operator : MA/JU  
 Sample : 04696-03  
 Misc : SFAM-MDL-SOIL-01  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT4-2023-07

Quant Time: Jan 16 17:50:58 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  | 112455   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.745 | 136  | 507386   | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.581 | 164  | 348431   | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.333 | 188  | 809192   | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.533 | 240  | 835325   | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 23.945 | 264  | 988138   | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.375  | 96   | 13369    | 4.910  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.781  | 84   | 185254   | 22.057 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 7.104  | 99   | 215891   | 20.009 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.281  | 67   | 145001   | 21.307 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.469  | 132  | 164516   | 21.555 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.651  | 113  | 176977   | 20.344 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 9.110  | 128  | 84153    | 22.862 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.828  | 143  | 68332    | 22.385 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.363 | 165  | 157267   | 20.696 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.887 | 131  | 272650   | 19.826 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 14.004 | 166  | 627050   | 21.863 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.275 | 160  | 696638   | 21.567 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.775 | 143  | 92010    | 18.433 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.575 | 176  | 531300   | 21.736 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.692 | 200  | 51961    | 15.269 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.433 | 188  | 841124   | 20.677 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.727 | 212  | 1028670  | 22.161 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 23.792 | 264  | 1097242  | 21.545 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.405  | 88   | 3245m    | 1.175  | ng/uL  |          |
| 5) Pyridine                   | 3.805  | 79   | 36058    | 4.202  | ng/u1# | 60       |
| 6) Benzaldehyde               | 7.087  | 77   | 30241    | 6.245  | ng/u1  | 97       |
| 8) Phenol                     | 7.128  | 94   | 42616    | 3.886  | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.375  | 93   | 36558    | 4.107  | ng/u1  | 95       |
| 12) 2-Chlorophenol            | 7.499  | 128  | 34416    | 4.332  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.387  | 108  | 31267    | 3.743  | ng/u1  | 95       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.469  | 45   | 48070    | 4.223  | ng/u1  | 99       |
| 16) Acetophenone              | 8.769  | 105  | 60416    | 4.099  | ng/u1  | 97       |
| 17) N-Nitroso-di-n-propyla... | 8.757  | 70   | 31969    | 4.121  | ng/u1  | 97       |
| 18) 4-Methylphenol            | 8.716  | 108  | 35703    | 3.972  | ng/u1  | 95       |
| 19) Hexachloroethane          | 9.016  | 117  | 15810    | 4.383  | ng/u1  | 95       |
| 22) Nitrobenzene              | 9.151  | 77   | 46313    | 4.551  | ng/u1  | 96       |
| 23) Isophorone                | 9.675  | 82   | 88492    | 4.091  | ng/u1  | 99       |
| 25) 2-Nitrophenol             | 9.857  | 139  | 15345    | 4.293  | ng/u1  | 98       |
| 26) 2,4-Dimethylphenol        | 9.922  | 107  | 39357    | 4.119  | ng/u1  | 95       |
| 27) Bis(2-Chloroethoxy)met... | 10.169 | 93   | 53326    | 4.380  | ng/u1  | 98       |
| 29) 2,4-Dichlorophenol        | 10.387 | 162  | 32199    | 4.309  | ng/u1  | 92       |
| 30) Naphthalene               | 10.793 | 128  | 125243   | 4.329  | ng/u1  | 100      |
| 32) 4-Chloroaniline           | 10.910 | 127  | 53982    | 4.035  | ng/u1  | 97       |
| 33) Hexachlorobutadiene       | 11.069 | 225  | 23359    | 4.429  | ng/u1  | 96       |
| 34) Caprolactam               | 11.698 | 113  | 12947m   | 4.275  | ng/u1  |          |
| 35) 4-Chloro-3-methylphenol   | 12.028 | 107  | 35250    | 3.976  | ng/u1  | 100      |
| 36) 2-Methylnaphthalene       | 12.404 | 142  | 87396    | 4.320  | ng/u1  | 96       |

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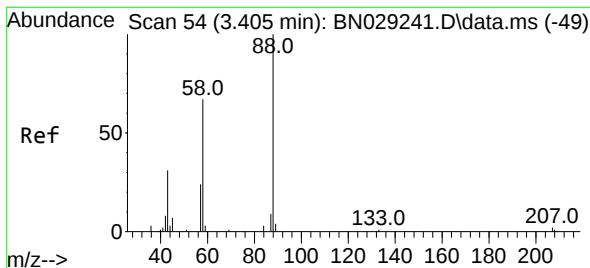
Manual Integrations  
 APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.622 | 142  | 89399    | 4.453 | ng/ul# | 100      |
| 39) 1,2,4,5-Tetrachloroben... | 12.769 | 216  | 46269    | 4.261 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.739 | 237  | 31287    | 4.303 | ng/ul  | 94       |
| 41) 2,4,6-Trichlorophenol     | 13.010 | 196  | 21445    | 3.564 | ng/ul  | 95       |
| 42) 2,4,5-Trichlorophenol     | 13.081 | 196  | 22998    | 3.404 | ng/ul  | 99       |
| 43) 1,1'-Biphenyl             | 13.416 | 154  | 118492   | 4.220 | ng/ul  | 98       |
| 44) 2-Chloronaphthalene       | 13.457 | 162  | 93347    | 4.256 | ng/ul  | 97       |
| 45) 2-Nitroaniline            | 13.663 | 65   | 21351    | 3.672 | ng/ul  | 98       |
| 47) Dimethylphthalate         | 14.045 | 163  | 124216   | 4.253 | ng/ul  | 99       |
| 48) 2,6-Dinitrotoluene        | 14.169 | 165  | 16864    | 3.571 | ng/ul  | 92       |
| 50) Acenaphthylene            | 14.304 | 152  | 158510   | 4.230 | ng/ul  | 100      |
| 51) 3-Nitroaniline            | 14.492 | 138  | 18591    | 3.625 | ng/ul# | 97       |
| 52) Acenaphthene              | 14.645 | 153  | 101380   | 4.121 | ng/ul  | 97       |
| 53) 2,4-Dinitrophenol         | 14.698 | 184  | 8923     | 4.422 | ng/ul  | 95       |
| 55) 4-Nitrophenol             | 14.792 | 109  | 21476    | 4.697 | ng/ul  | 97       |
| 56) Dibenzofuran              | 14.981 | 168  | 142204   | 4.274 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.951 | 165  | 26352    | 3.811 | ng/ul  | 96       |
| 58) 2,3,4,6-Tetrachlorophenol | 15.204 | 232  | 19824    | 3.557 | ng/ul  | 93       |
| 59) Diethylphthalate          | 15.416 | 149  | 123531   | 4.055 | ng/ul  | 96       |
| 61) Fluorene                  | 15.628 | 166  | 121615   | 4.221 | ng/ul  | 100      |
| 62) 4-Chlorophenyl-phenyle... | 15.633 | 204  | 61030    | 4.335 | ng/ul  | 98       |
| 63) 4-Nitroaniline            | 15.651 | 138  | 21421    | 4.241 | ng/ul  | 98       |
| 66) 4,6-Dinitro-2-methylph... | 15.710 | 198  | 13856    | 3.536 | ng/ul  | 97       |
| 67) N-Nitrosodiphenylamine    | 15.845 | 169  | 98866    | 4.030 | ng/ul  | 95       |
| 68) 4-Bromophenyl-phenylether | 16.528 | 248  | 26995    | 2.985 | ng/ul  | 99       |
| 69) Hexachlorobenzene         | 16.622 | 284  | 43587    | 4.004 | ng/ul# | 88       |
| 70) Atrazine                  | 16.804 | 200  | 39910    | 4.284 | ng/ul  | 97       |
| 71) Pentachlorophenol         | 16.975 | 266  | 21675    | 3.685 | ng/ul  | 90       |
| 72) Phenanthrene              | 17.375 | 178  | 196508   | 4.186 | ng/ul  | 99       |
| 74) Anthracene                | 17.469 | 178  | 194580   | 3.991 | ng/ul  | 97       |
| 75) 1,2,3,4-Tetrachloroben... | 13.375 | 216  | 45202    | 4.131 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.886 | 250  | 51001    | 4.503 | ng/uL  | 96       |
| 77) Carbazole                 | 17.739 | 167  | 174960   | 3.881 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.322 | 149  | 198415   | 3.609 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.392 | 202  | 226581   | 4.131 | ng/ul  | 98       |
| 82) Pyrene                    | 19.757 | 202  | 247836   | 4.254 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.680 | 149  | 74612    | 3.276 | ng/ul  | 98       |
| 84) 3,3'-Dichlorobenzidine    | 21.457 | 252  | 81293    | 4.195 | ng/ul  | 95       |
| 85) Benzo(a)anthracene        | 21.515 | 228  | 265264   | 4.309 | ng/ul  | 99       |
| 86) Bis(2-ethylhexyl)phtha... | 21.474 | 149  | 128067   | 3.405 | ng/ul  | 98       |
| 87) Chrysene                  | 21.568 | 228  | 245383   | 4.310 | ng/ul  | 96       |
| 89) Di-n-octyl phthalate      | 22.421 | 149  | 193017   | 2.771 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.210 | 252  | 247052   | 3.943 | ng/ul  | 98       |
| 91) Benzo(k)fluoranthene      | 23.257 | 252  | 259815   | 4.161 | ng/ul  | 96       |
| 93) Benzo(a)pyrene            | 23.839 | 252  | 241187   | 4.059 | ng/ul  | 99       |
| 94) Indeno(1,2,3-cd)pyrene    | 26.445 | 276  | 298040   | 3.963 | ng/ul  | 98       |
| 95) Dibenzo(a,h)anthracene    | 26.480 | 278  | 245392   | 3.913 | ng/ul  | 93       |
| 96) Benzo(g,h,i)perylene      | 27.209 | 276  | 225989   | 3.763 | ng/ul# | 93       |

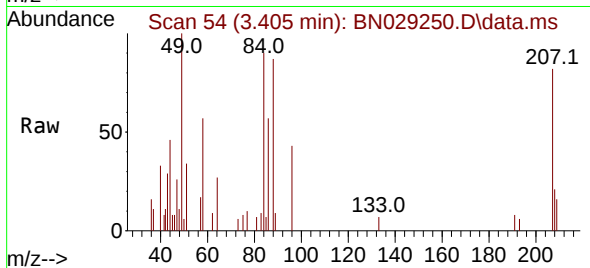
(#) = qualifier out of range (m) = manual integration (+) = signals summed





#2  
1,4-Dioxane  
Concen: 1.175 ng/uL m  
RT: 3.405 min Scan# 54  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

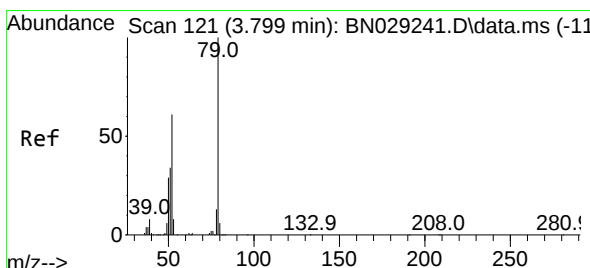
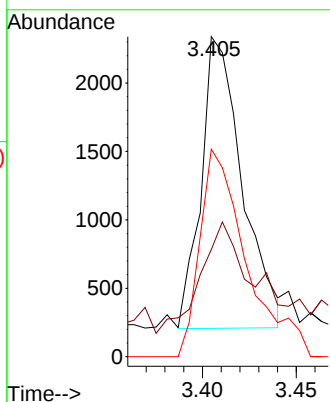
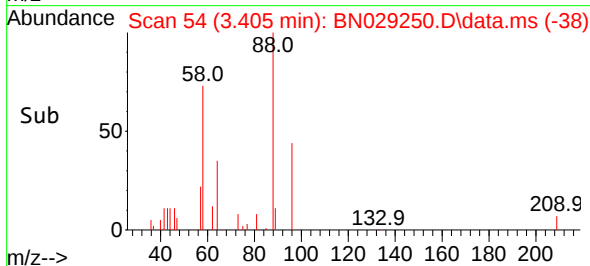
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



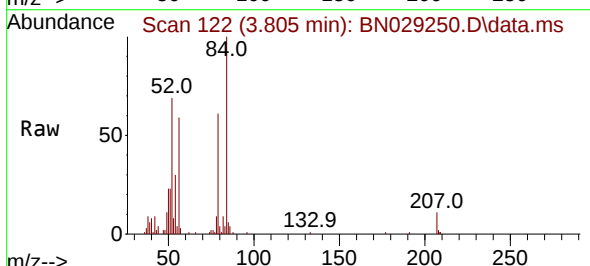
Tgt Ion: 88 Resp: 3249  
Ion Ratio Lower Upper  
88 100  
43 33.5 26.3 39.5  
58 64.9 49.7 74.5

Manual Integrations  
APPROVED

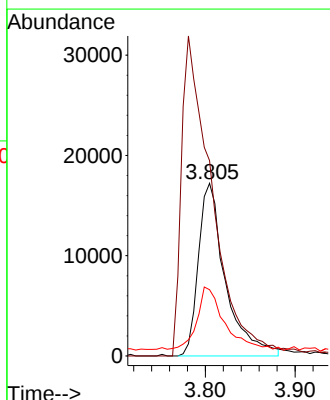
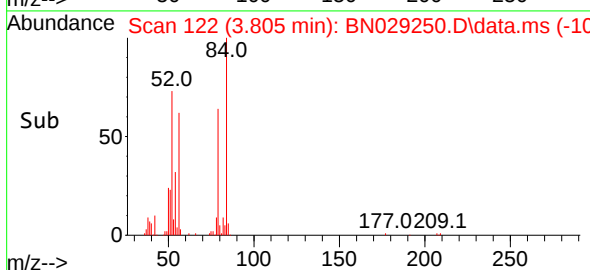
Reviewed By :Jagrut Upadhyay 01/17/2024  
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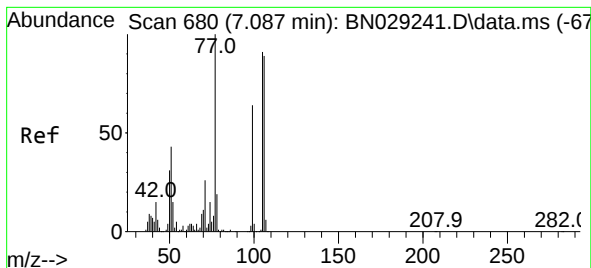


#5  
Pyridine  
Concen: 4.202 ng/uL  
RT: 3.805 min Scan# 122  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



Tgt Ion: 79 Resp: 36058  
Ion Ratio Lower Upper  
79 100  
52 113.2 53.8 80.8  
51 38.4 27.4 41.0





#6

Benzaldehyde

Concen: 6.245 ng/ul

RT: 7.087 min Scan# 680

Delta R.T. 0.000 min

Lab File: BN029250.D

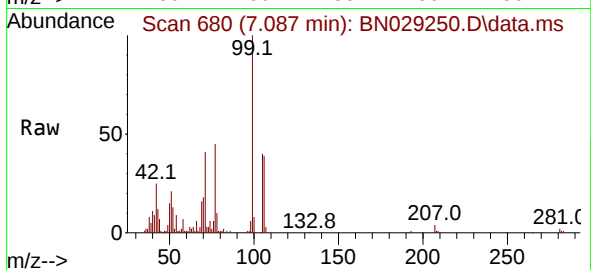
Acq: 16 Jan 2024 15:43

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 77 Resp: 3024

Ion Ratio Lower Upper

77 100

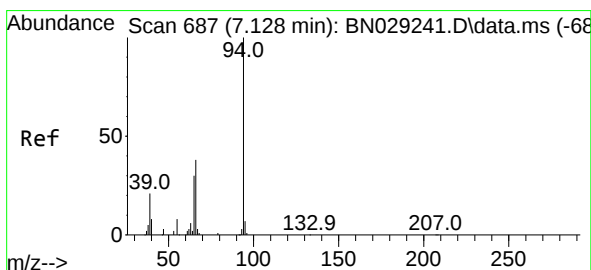
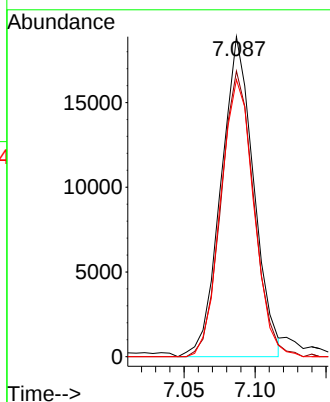
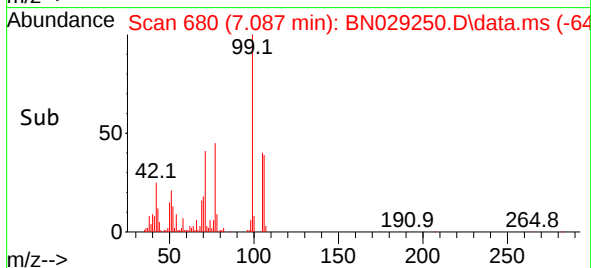
105 89.2 73.3 109.9

106 86.6 72.5 108.7

Manual Integrations

APPROVED

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



#8

Phenol

Concen: 3.886 ng/ul

RT: 7.128 min Scan# 687

Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

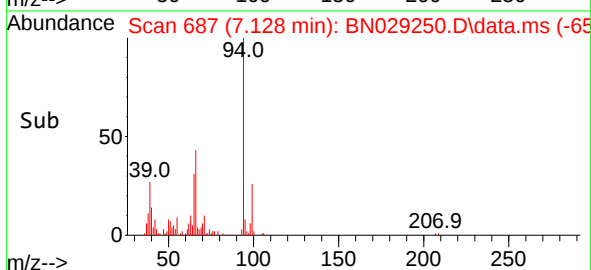
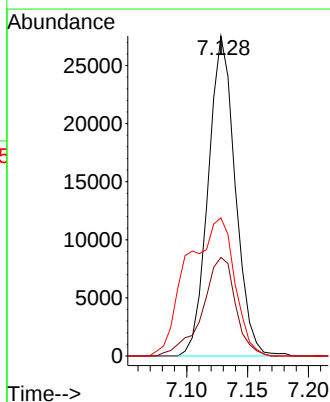
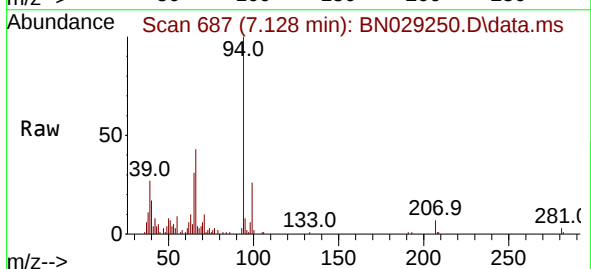
Tgt Ion: 94 Resp: 42616

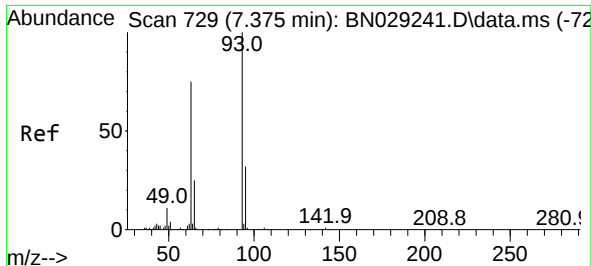
Ion Ratio Lower Upper

94 100

65 30.8 25.6 38.4

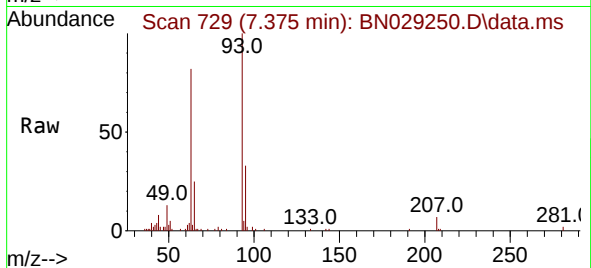
66 43.1 33.8 50.6





#10  
Bis(2-Chloroethyl)ether  
Concen: 4.107 ng/ul  
RT: 7.375 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

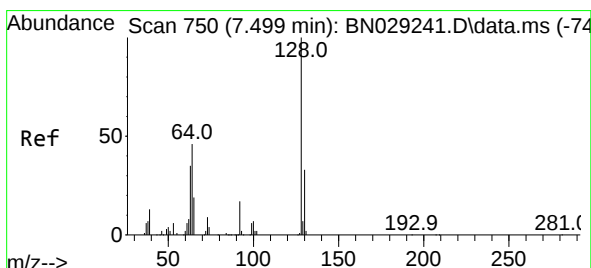
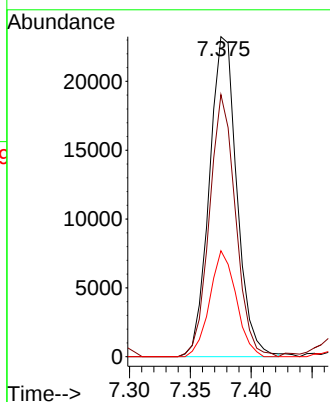
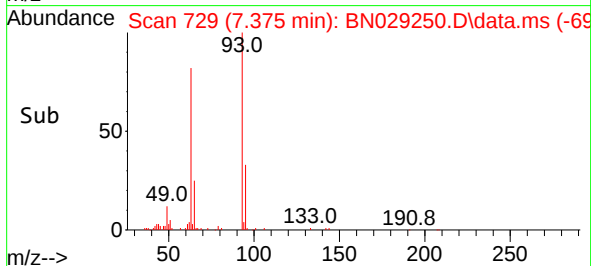
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion: 93 Resp: 36558  
Ion Ratio Lower Upper  
93 100  
63 81.9 60.6 91.0  
95 33.1 26.1 39.1

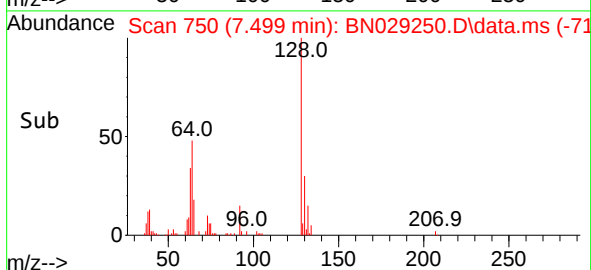
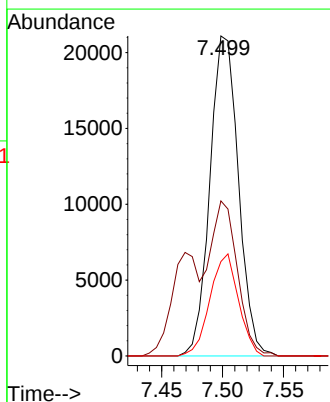
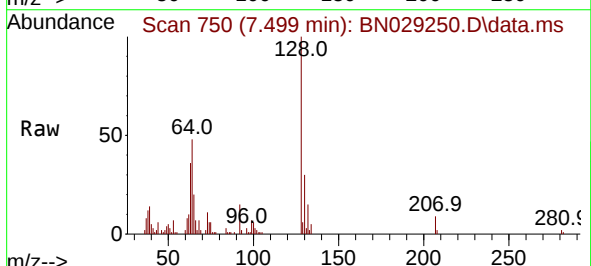
Manual Integrations  
APPROVED

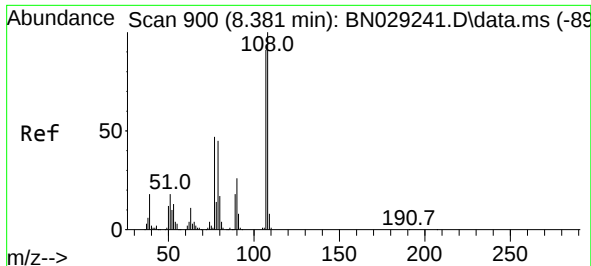
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#12  
2-Chlorophenol  
Concen: 4.332 ng/ul  
RT: 7.499 min Scan# 750  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

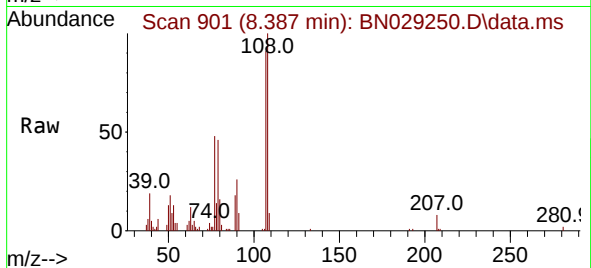
Tgt Ion:128 Resp: 34416  
Ion Ratio Lower Upper  
128 100  
64 48.4 38.6 57.8  
130 29.5 25.5 38.3





#13  
2-Methylphenol  
Concen: 3.743 ng/ul  
RT: 8.387 min Scan# 900  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

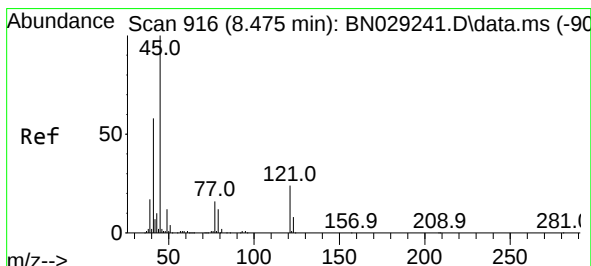
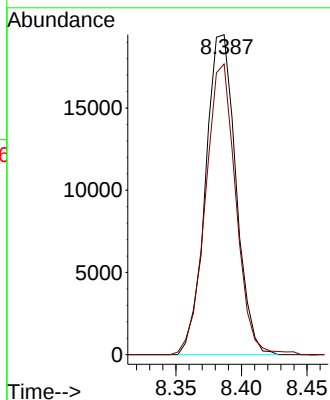
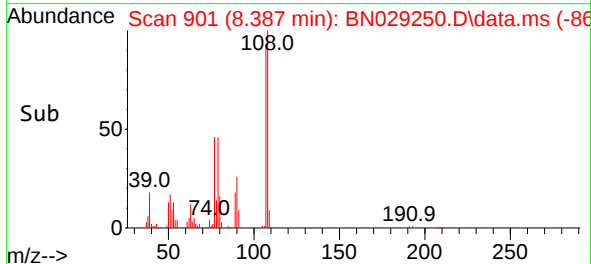
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



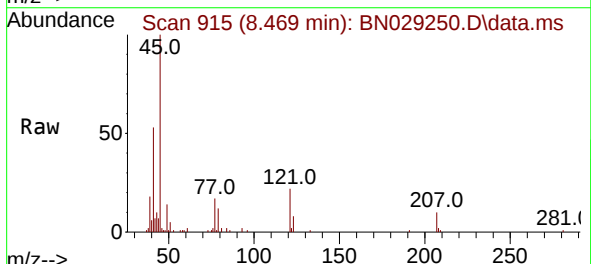
Tgt Ion:108 Resp: 3126  
Ion Ratio Lower Upper  
108 100  
107 90.9 69.2 103.8

Manual Integrations  
APPROVED

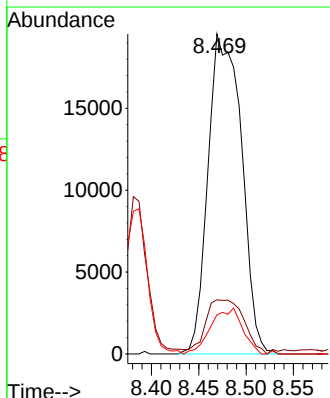
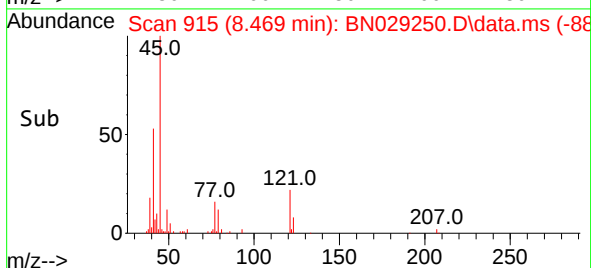
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

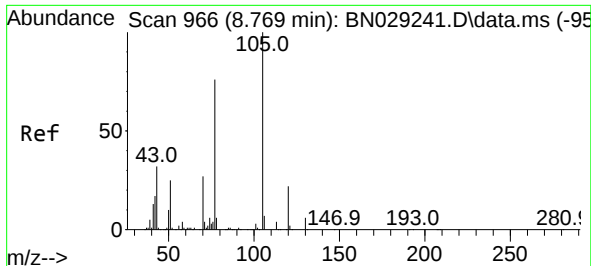


#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 4.223 ng/ul  
RT: 8.469 min Scan# 915  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



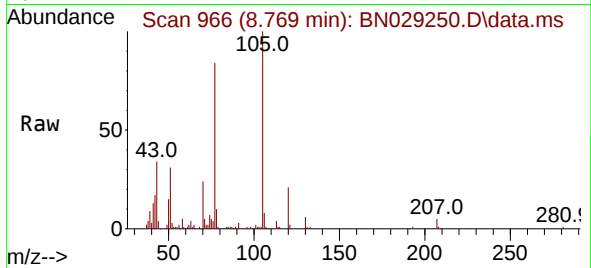
Tgt Ion: 45 Resp: 48070  
Ion Ratio Lower Upper  
45 100  
77 16.9 13.1 19.7  
79 12.2 10.0 15.0





#16  
Acetophenone  
Concen: 4.099 ng/ul  
RT: 8.769 min Scan# 966  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

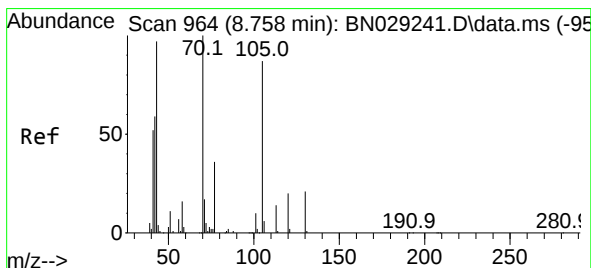
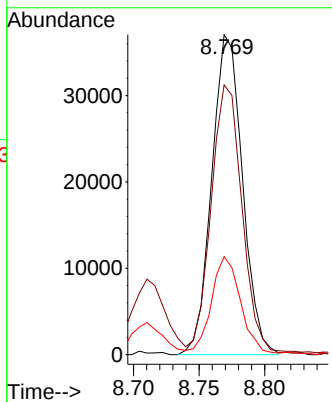
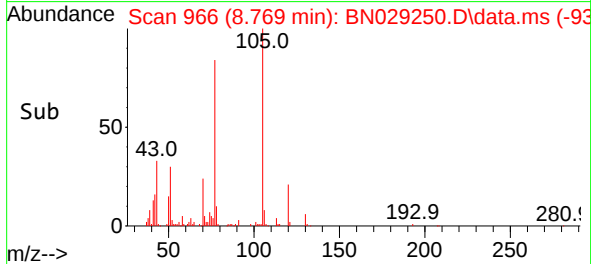
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



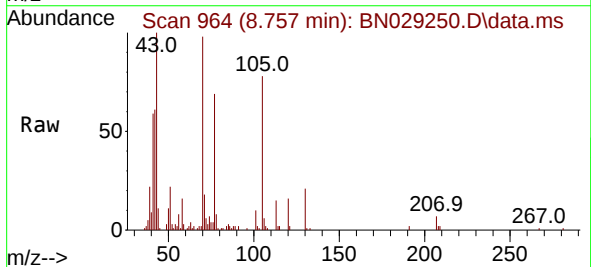
Tgt Ion: 105 Resp: 60410  
Ion Ratio Lower Upper  
105 100  
77 84.3 65.8 98.6  
51 30.6 21.8 32.6

Manual Integrations  
APPROVED

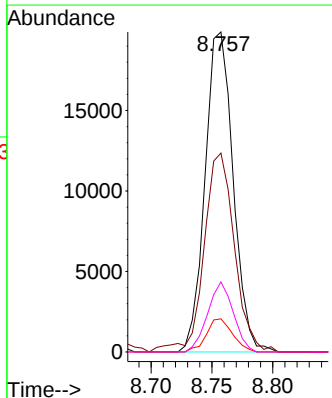
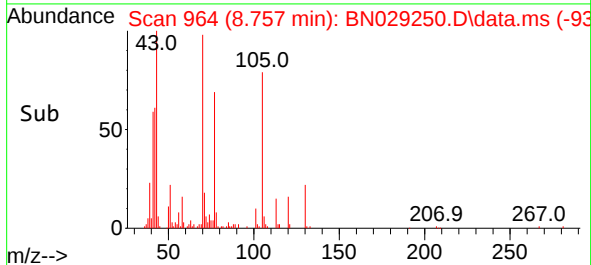
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

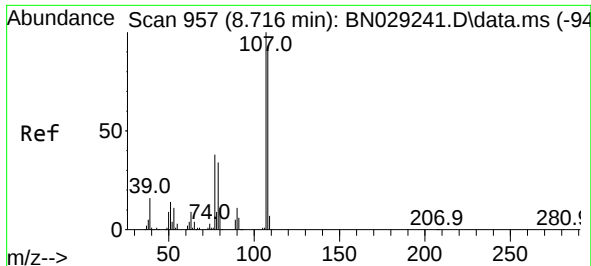


#17  
N-Nitroso-di-n-propylamine  
Concen: 4.121 ng/ul  
RT: 8.757 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



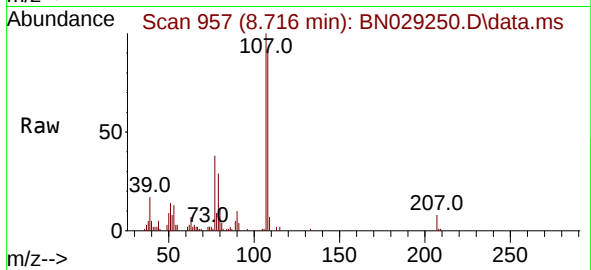
Tgt Ion: 70 Resp: 31969  
Ion Ratio Lower Upper  
70 100  
42 62.2 48.3 72.5  
101 10.4 7.1 10.7  
130 21.9 15.4 23.2





#18  
4-Methylphenol  
Concen: 3.972 ng/ul  
RT: 8.716 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

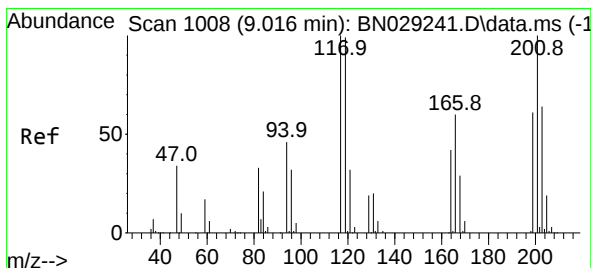
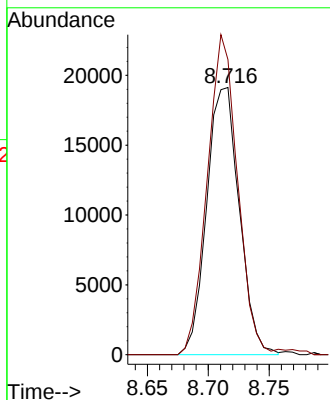
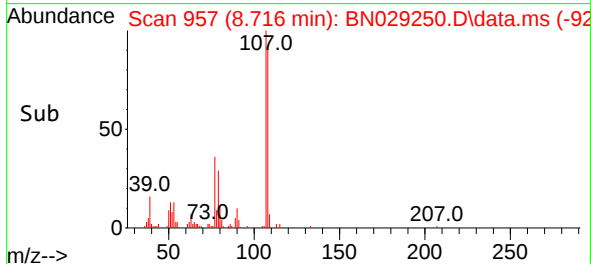
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



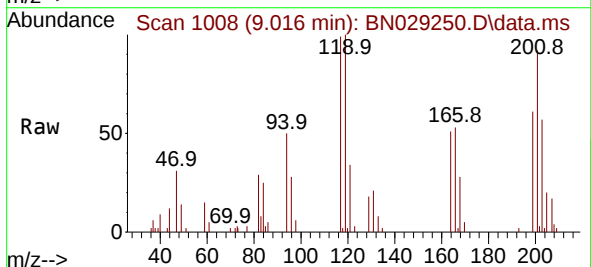
Tgt Ion:108 Resp: 3570  
Ion Ratio Lower Upper  
108 100  
107 110.4 92.5 138.7

Manual Integrations  
APPROVED

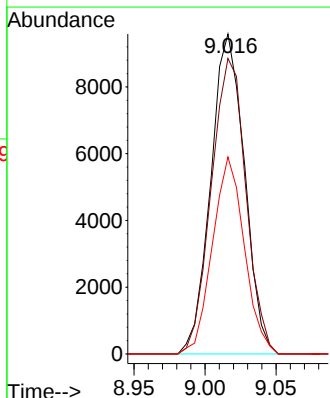
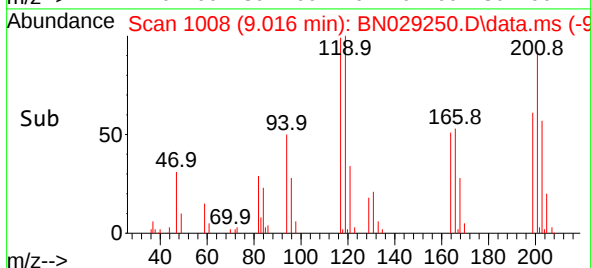
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

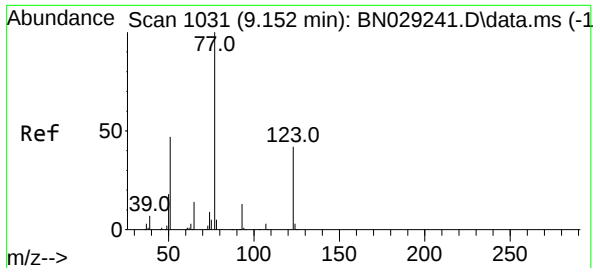


#19  
Hexachloroethane  
Concen: 4.383 ng/ul  
RT: 9.016 min Scan# 1008  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



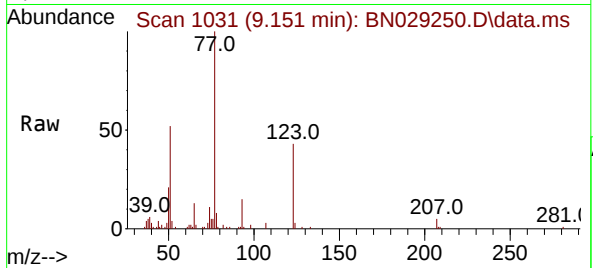
Tgt Ion:117 Resp: 15810  
Ion Ratio Lower Upper  
117 100  
201 95.0 70.6 106.0  
199 61.5 47.9 71.9





#22  
Nitrobenzene  
Concen: 4.551 ng/u1  
RT: 9.151 min Scan# 1031  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

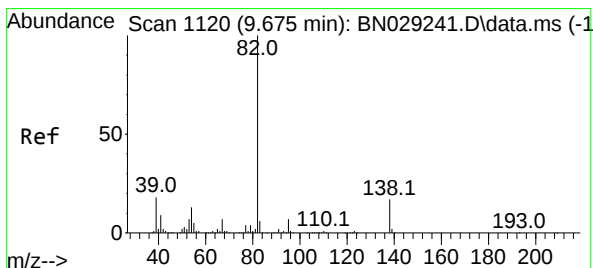
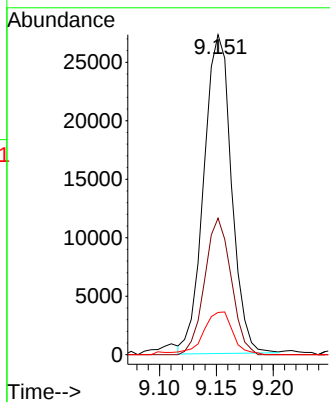
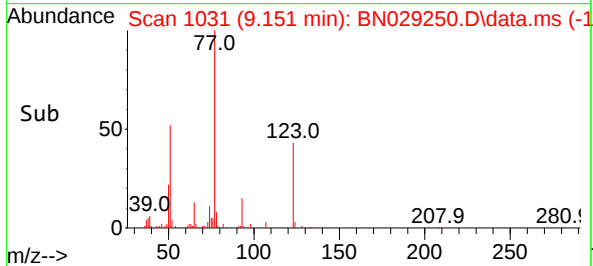
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion: 77 Resp: 4631  
Ion Ratio Lower Upper  
77 100  
123 42.6 31.4 47.0  
65 13.2 10.9 16.3

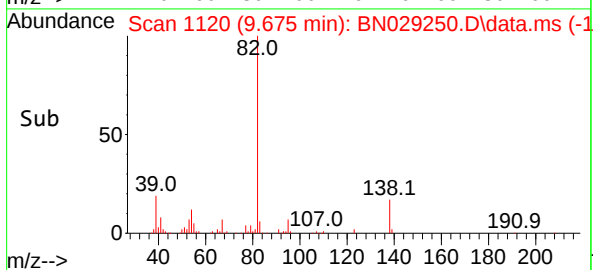
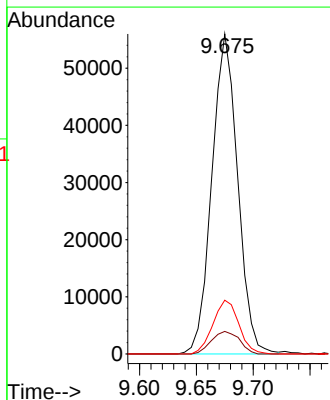
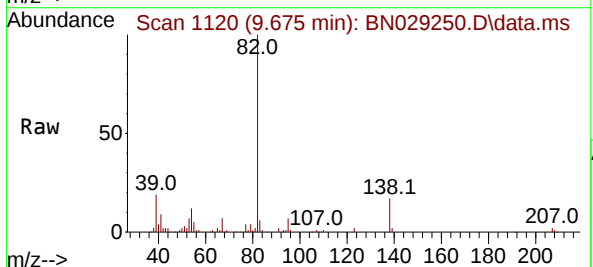
Manual Integrations  
APPROVED

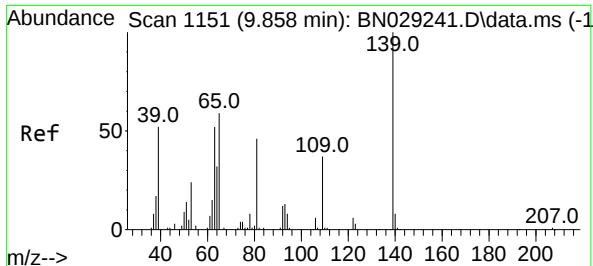
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#23  
Isophorone  
Concen: 4.091 ng/u1  
RT: 9.675 min Scan# 1120  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Tgt Ion: 82 Resp: 88492  
Ion Ratio Lower Upper  
82 100  
95 7.1 5.9 8.9  
138 16.8 12.9 19.3





#25

2-Nitrophenol

Concen: 4.293 ng/ul

RT: 9.857 min Scan# 1151

Delta R.T. -0.006 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

Instrument :

BNA\_N

ClientSampleId :

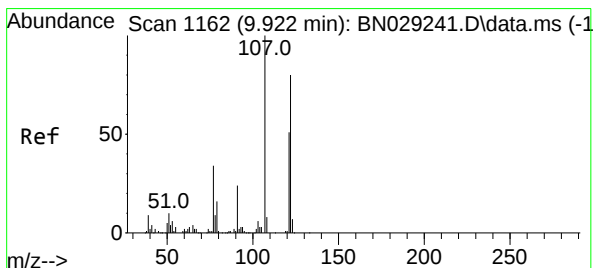
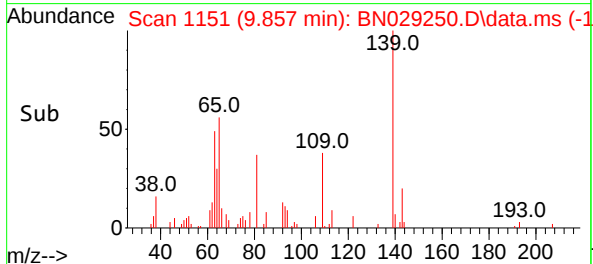
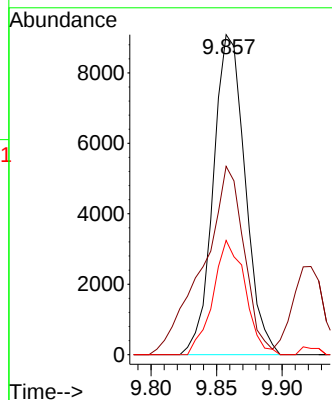
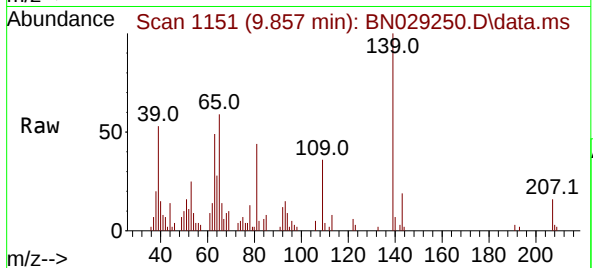
MDL-SOIL-QT4-2023-07

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 139   | Resp: | 1534 |
| Ion Ratio | Lower | Upper |      |
| 139       | 100   |       |      |
| 65        | 58.9  | 45.5  | 68.3 |
| 109       | 35.7  | 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: 4.119 ng/ul

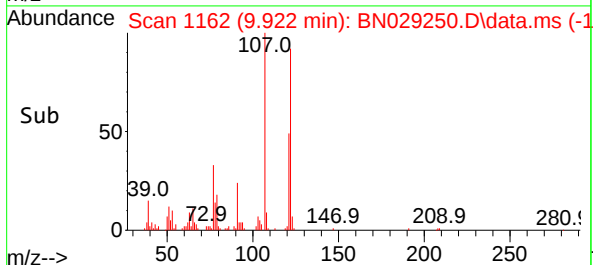
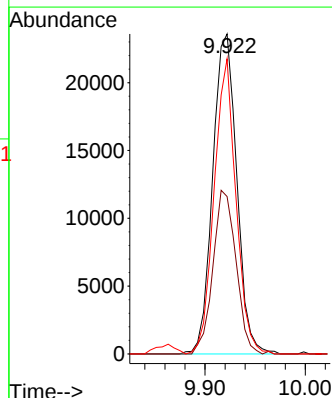
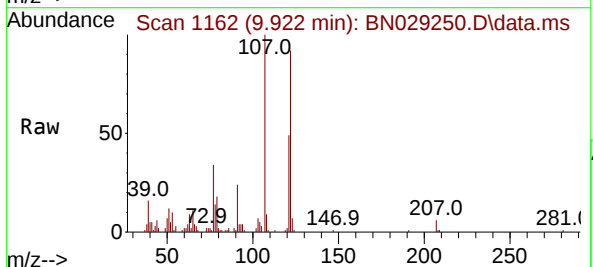
RT: 9.922 min Scan# 1162

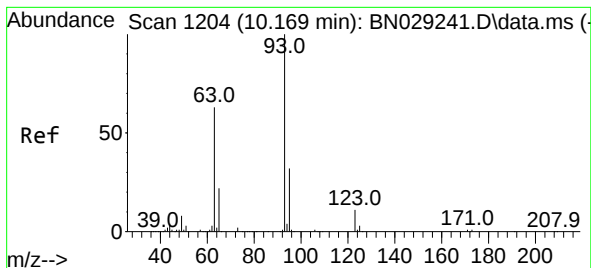
Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

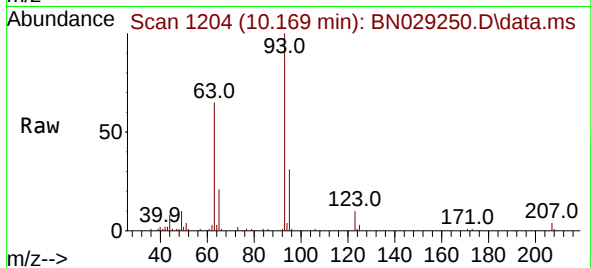
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 107   | Resp: | 39357 |
| Ion Ratio | Lower | Upper |       |
| 107       | 100   |       |       |
| 121       | 49.2  | 40.1  | 60.1  |
| 122       | 92.2  | 68.4  | 102.6 |





#27  
 Bis(2-Chloroethoxy)methane  
 Concen: 4.380 ng/ul  
 RT: 10.169 min Scan# 1204  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

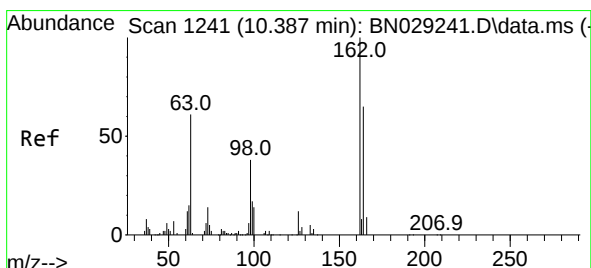
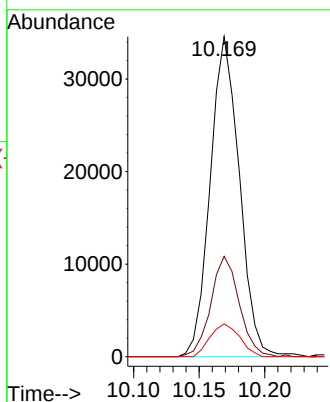
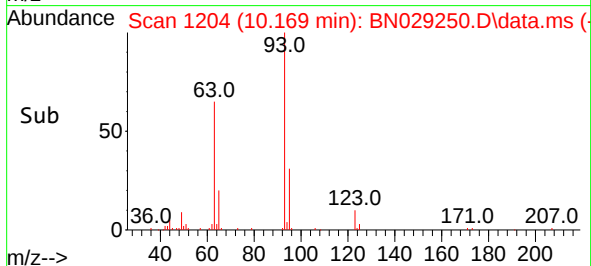
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT4-2023-07



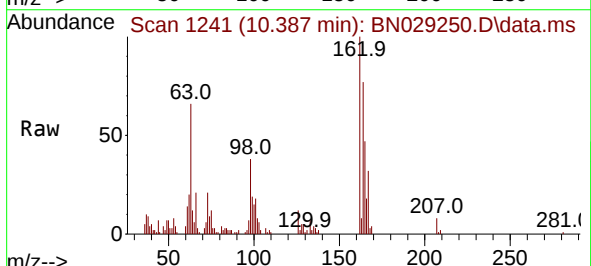
Tgt Ion: 93 Resp: 53320  
 Ion Ratio Lower Upper  
 93 100  
 95 31.4 25.8 38.8  
 123 10.3 7.9 11.9

Manual Integrations  
 APPROVED

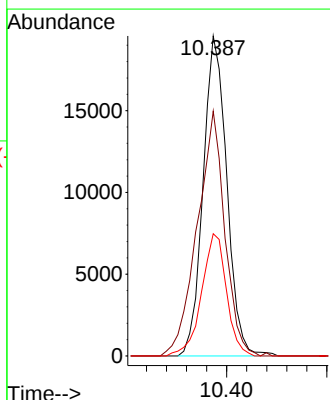
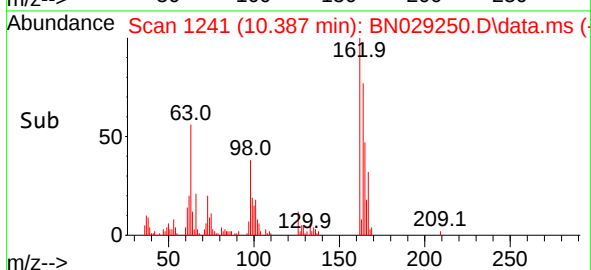
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

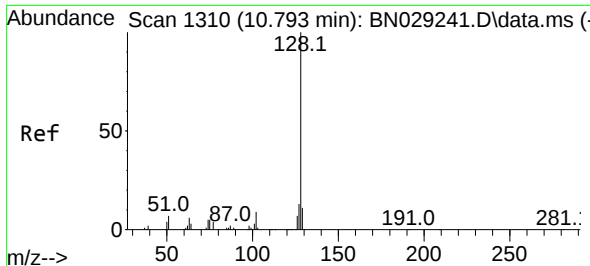


#29  
 2,4-Dichlorophenol  
 Concen: 4.309 ng/ul  
 RT: 10.387 min Scan# 1241  
 Delta R.T. -0.006 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43



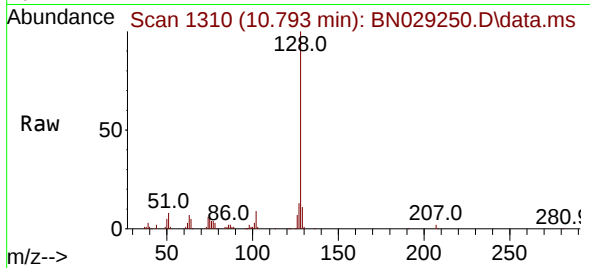
Tgt Ion:162 Resp: 32199  
 Ion Ratio Lower Upper  
 162 100  
 164 76.5 53.6 80.4  
 98 38.2 30.8 46.2





#30  
Naphthalene  
Concen: 4.329 ng/ul  
RT: 10.793 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

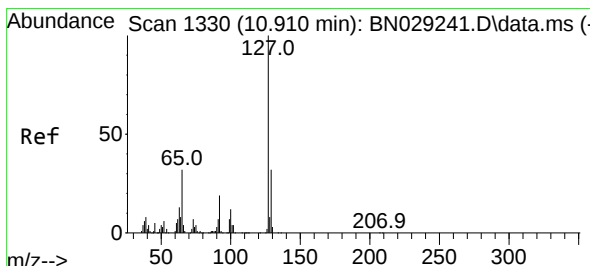
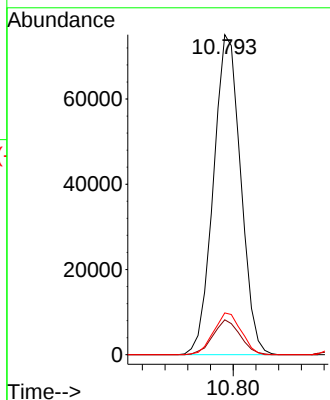
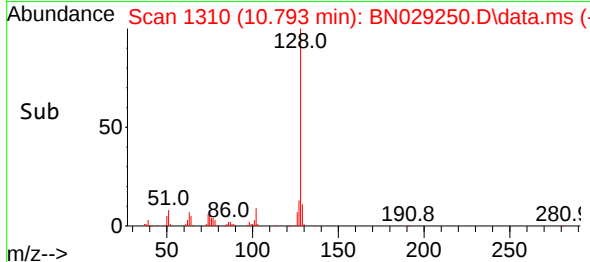
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion:128 Resp: 12524  
Ion Ratio Lower Upper  
128 100  
129 10.9 9.0 13.4  
127 13.0 10.5 15.7

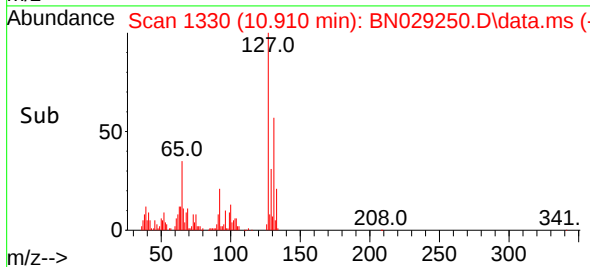
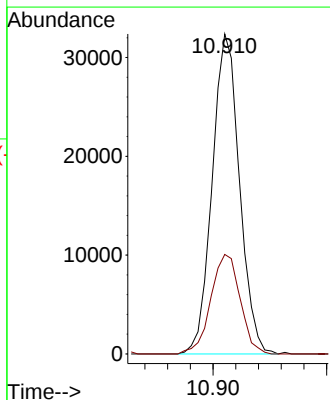
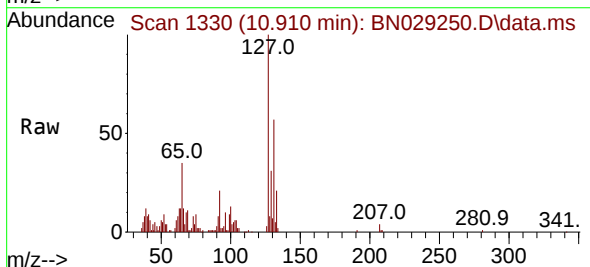
Manual Integrations  
APPROVED

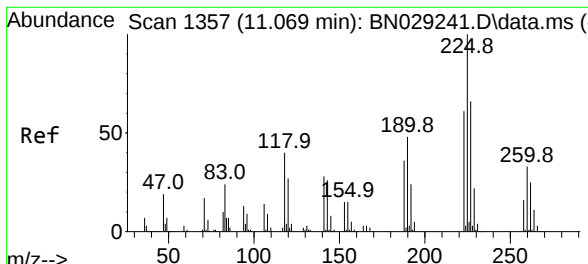
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#32  
4-Chloroaniline  
Concen: 4.035 ng/ul  
RT: 10.910 min Scan# 1330  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Tgt Ion:127 Resp: 53982  
Ion Ratio Lower Upper  
127 100  
129 31.1 26.1 39.1





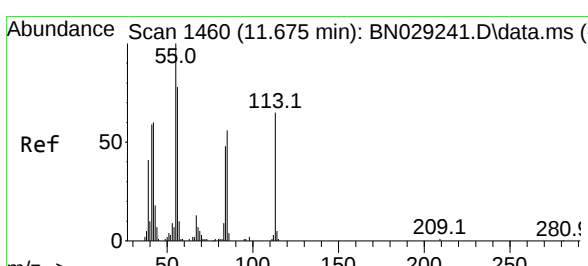
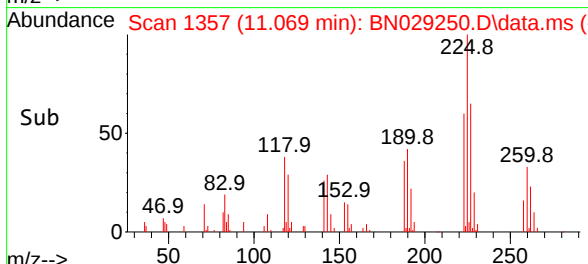
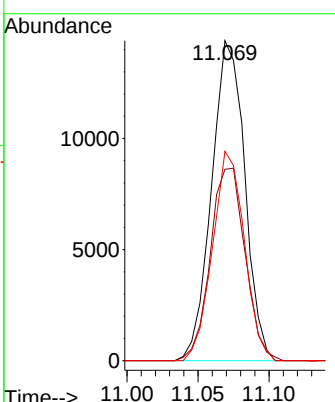
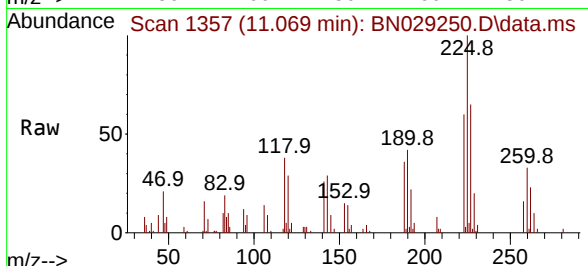
#33  
Hexachlorobutadiene  
Concen: 4.429 ng/ul  
RT: 11.069 min Scan# 1357  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT4-2023-07

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 2335 |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 59.8  | 48.0  | 72.0 |
| 227       | 65.4  | 47.8  | 71.6 |

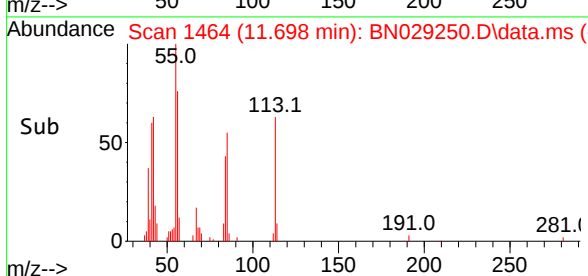
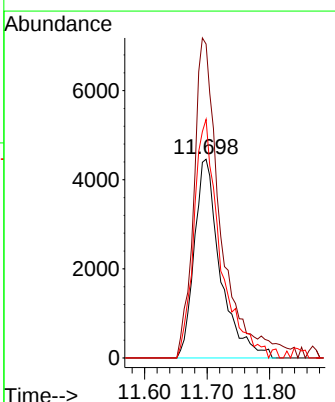
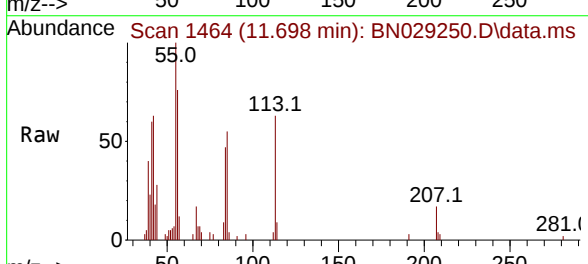
Manual Integrations  
APPROVED

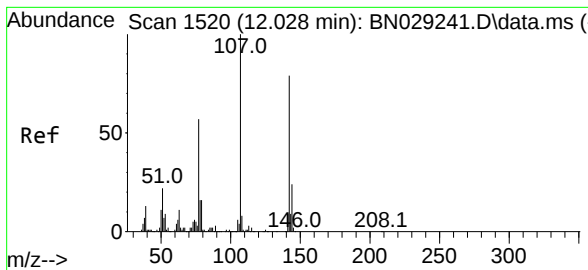
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#34  
Caprolactam  
Concen: 4.275 ng/ul m  
RT: 11.698 min Scan# 1464  
Delta R.T. 0.024 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

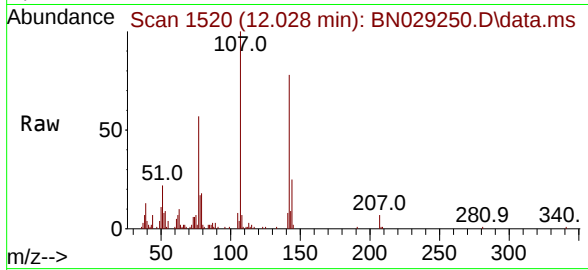
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 12947 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 55        | 157.9 | 132.9 | 199.3 |
| 56        | 120.1 | 96.5  | 144.7 |





#35  
4-Chloro-3-methylphenol  
Concen: 3.976 ng/ul  
RT: 12.028 min Scan# 1520  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

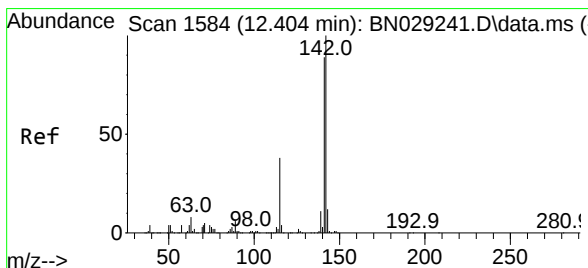
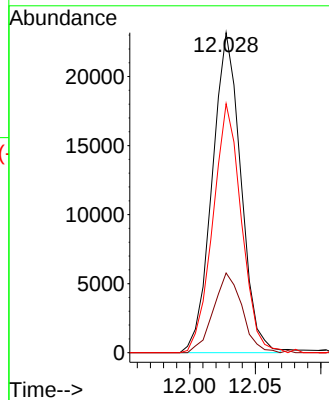
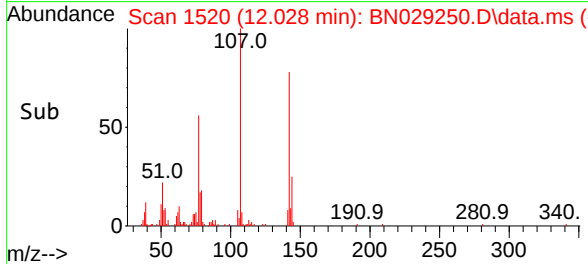
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT4-2023-07



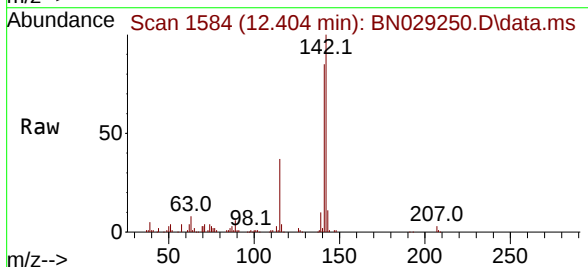
Tgt Ion:107 Resp: 35250  
Ion Ratio Lower Upper  
107 100  
144 24.9 20.2 30.2  
142 77.8 62.6 93.8

Manual Integrations  
APPROVED

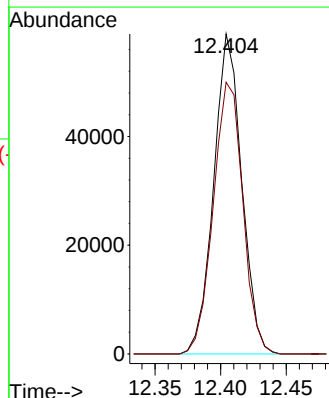
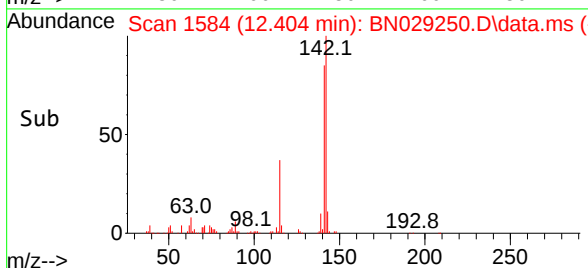
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

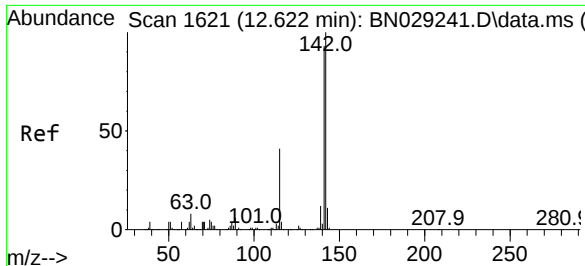


#36  
2-Methylnaphthalene  
Concen: 4.320 ng/ul  
RT: 12.404 min Scan# 1584  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



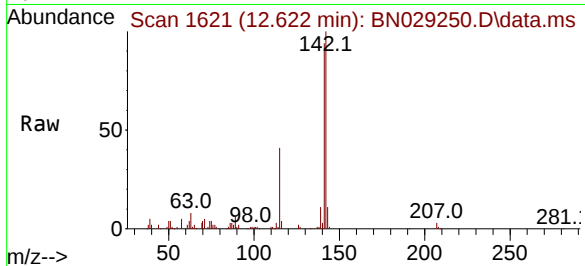
Tgt Ion:142 Resp: 87396  
Ion Ratio Lower Upper  
142 100  
141 84.9 71.0 106.6





#37  
1-Methylnaphthalene  
Concen: 4.453 ng/ul  
RT: 12.622 min Scan# 1621  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

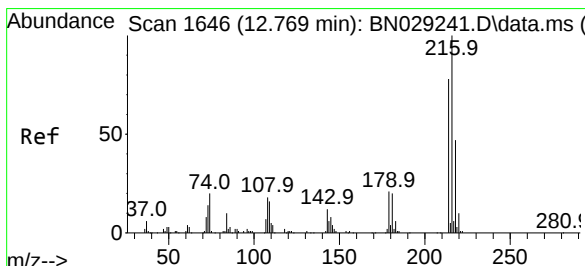
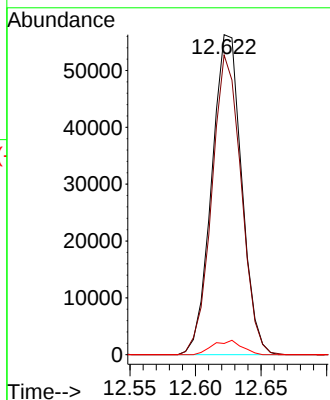
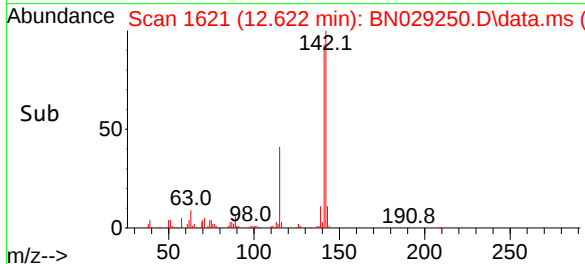
Instrument : BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



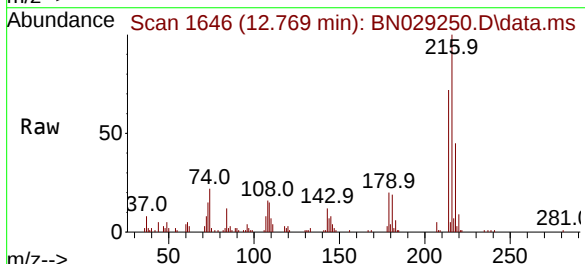
Tgt Ion:142 Resp: 89399  
Ion Ratio Lower Upper  
142 100  
141 93.6 74.6 112.0  
116 3.5 3.6 5.4

Manual Integrations  
APPROVED

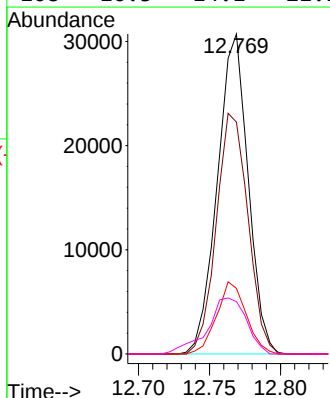
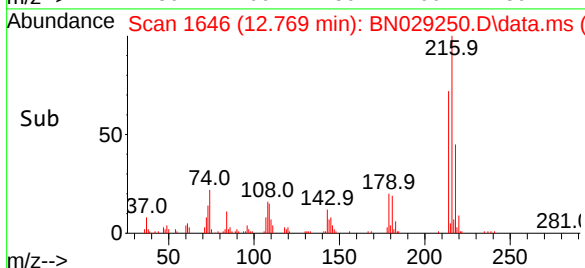
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

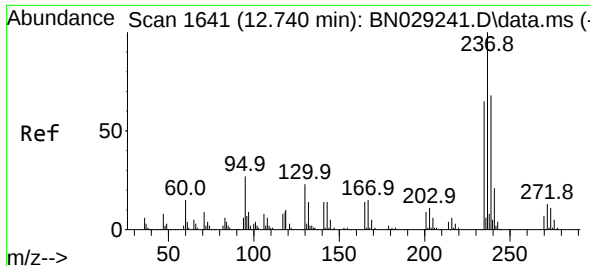


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.261 ng/ul  
RT: 12.769 min Scan# 1646  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



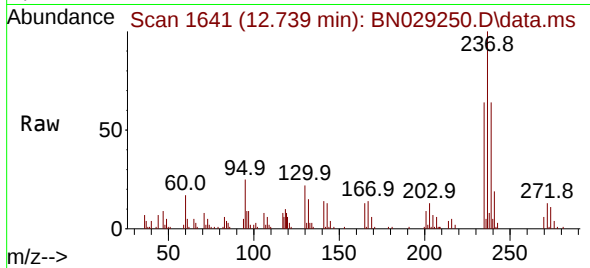
Tgt Ion:216 Resp: 46269  
Ion Ratio Lower Upper  
216 100  
214 72.5 60.3 90.5  
179 20.5 17.0 25.4  
108 16.3 14.1 21.1





#40  
Hexachlorocyclopentadiene  
Concen: 4.303 ng/ul  
RT: 12.739 min Scan# 1641  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

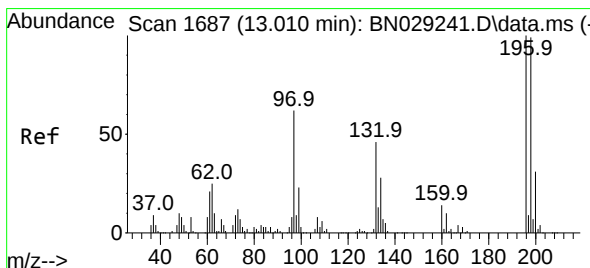
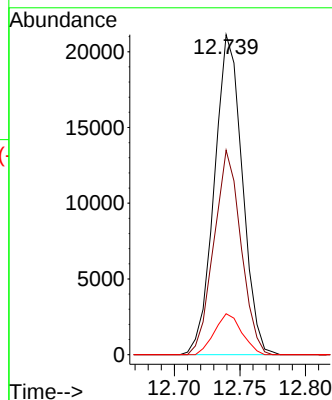
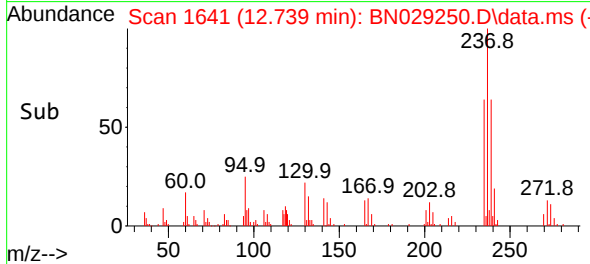
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



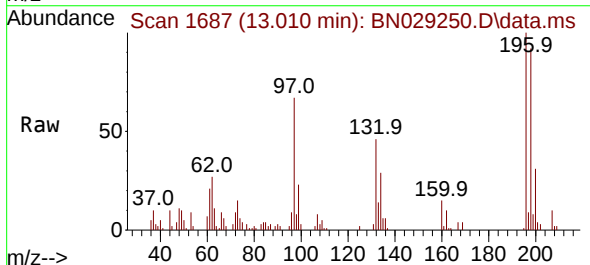
Tgt Ion:237 Resp: 3128  
Ion Ratio Lower Upper  
237 100  
235 63.9 47.0 70.4  
272 12.8 9.3 13.9

Manual Integrations  
APPROVED

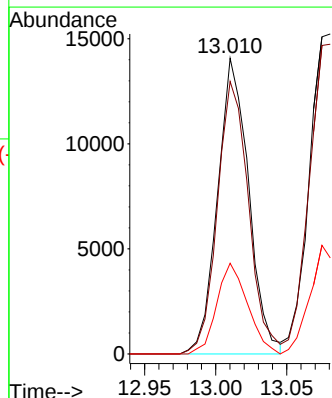
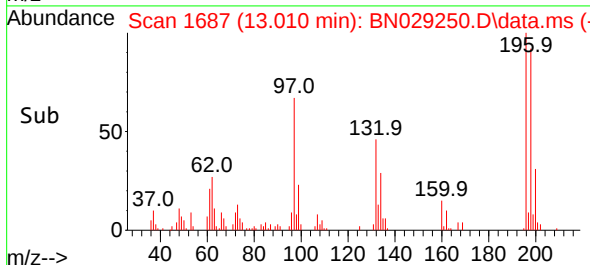
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

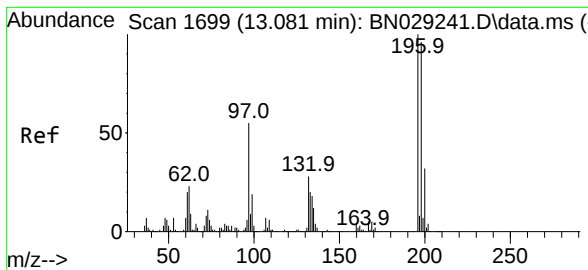


#41  
2,4,6-Trichlorophenol  
Concen: 3.564 ng/ul  
RT: 13.010 min Scan# 1687  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



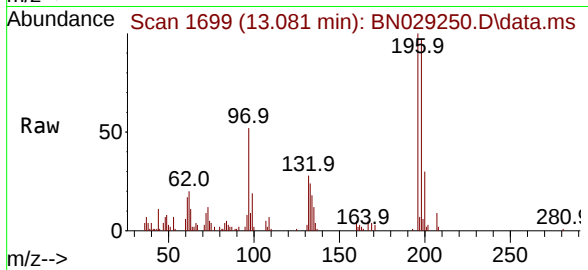
Tgt Ion:196 Resp: 21445  
Ion Ratio Lower Upper  
196 100  
198 92.2 78.6 117.8  
200 30.7 23.7 35.5





#42  
2,4,5-Trichlorophenol  
Concen: 3.404 ng/ul  
RT: 13.081 min Scan# 1699  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

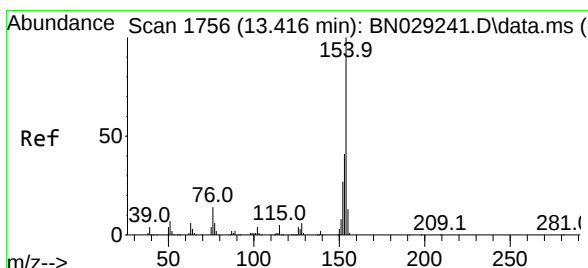
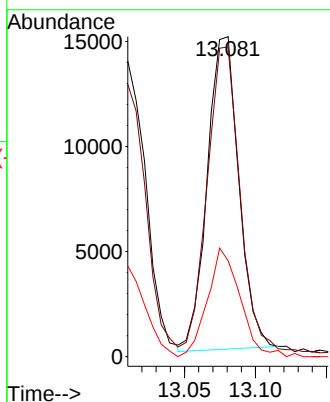
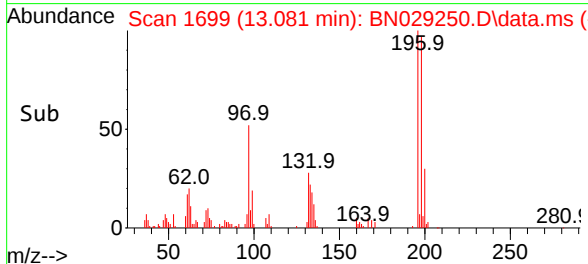
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



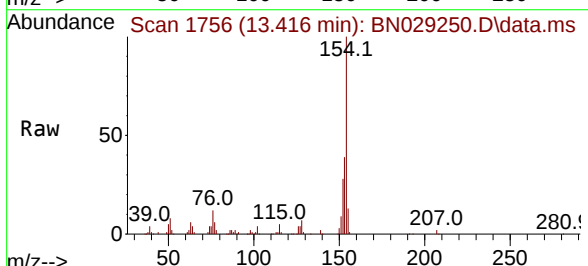
Tgt Ion:196 Resp: 22998  
Ion Ratio Lower Upper  
196 100  
198 96.8 76.5 114.7  
200 30.0 23.6 35.4

Manual Integrations  
APPROVED

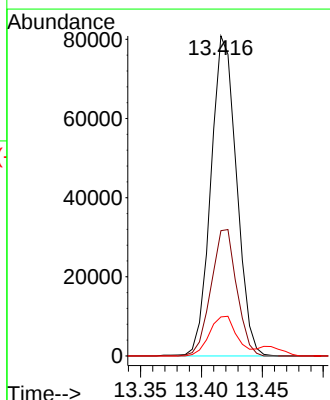
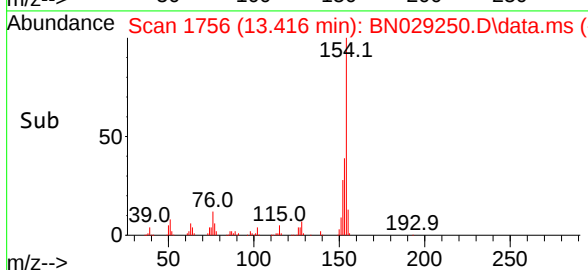
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

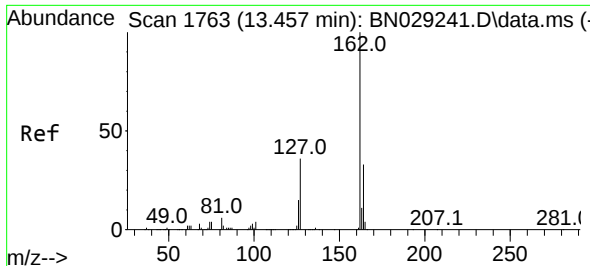


#43  
1,1'-Biphenyl  
Concen: 4.220 ng/ul  
RT: 13.416 min Scan# 1756  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



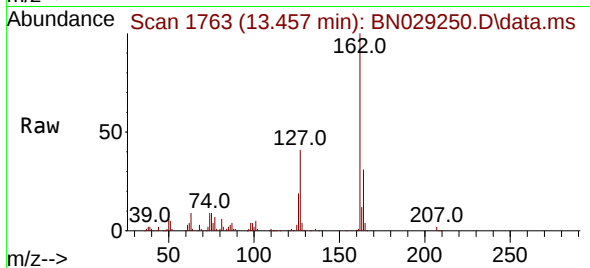
Tgt Ion:154 Resp: 118492  
Ion Ratio Lower Upper  
154 100  
153 39.1 32.4 48.6  
76 12.2 10.9 16.3





#44  
2-Chloronaphthalene  
Concen: 4.256 ng/ul  
RT: 13.457 min Scan# 1763  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

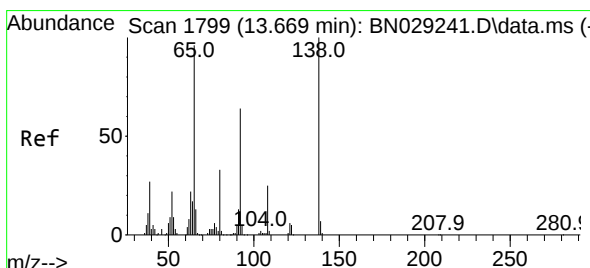
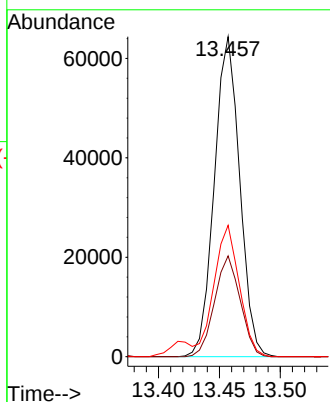
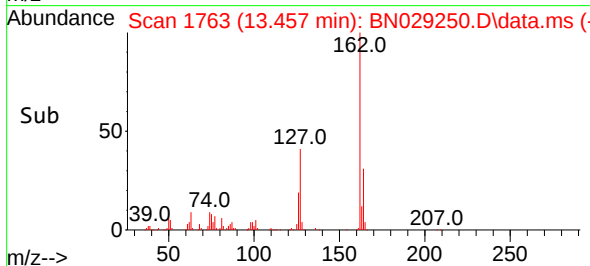
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT4-2023-07



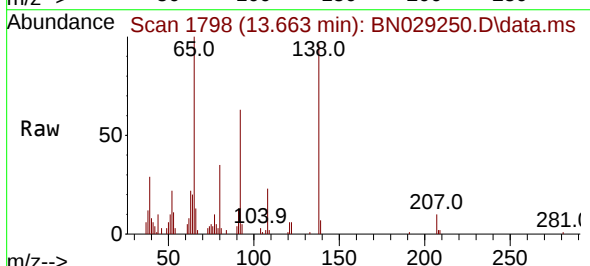
Tgt Ion:162 Resp: 9334  
Ion Ratio Lower Upper  
162 100  
164 31.5 27.4 41.2  
127 41.1 33.2 49.8

Manual Integrations  
APPROVED

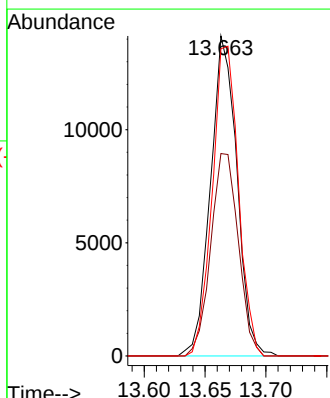
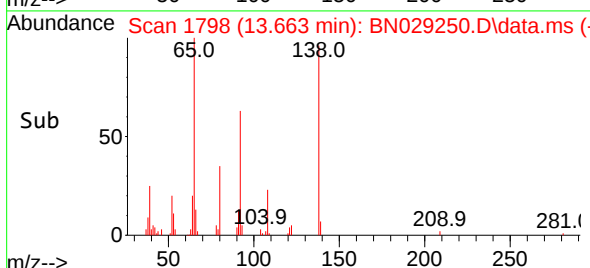
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

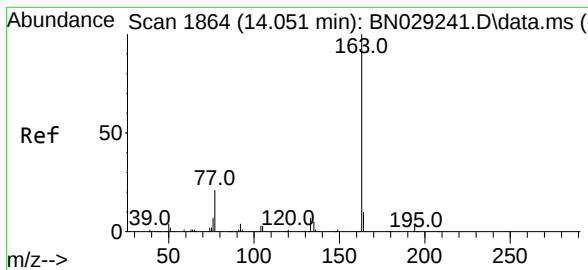


#45  
2-Nitroaniline  
Concen: 3.672 ng/ul  
RT: 13.663 min Scan# 1798  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



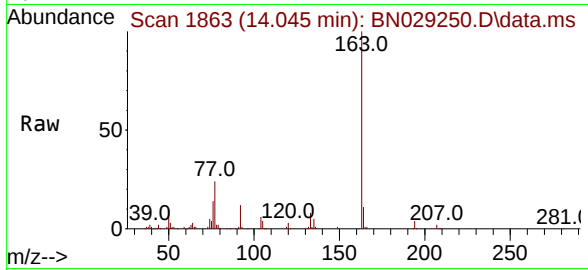
Tgt Ion: 65 Resp: 21351  
Ion Ratio Lower Upper  
65 100  
92 63.2 52.4 78.6  
138 96.0 77.8 116.8





#47  
Dimethylphthalate  
Concen: 4.253 ng/ul  
RT: 14.045 min Scan# 1863  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

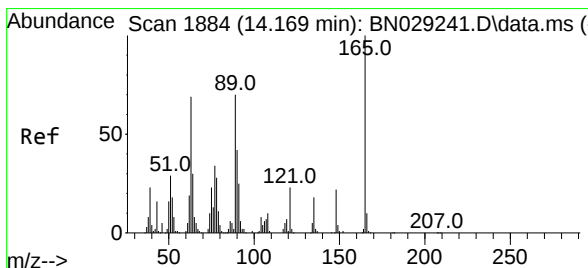
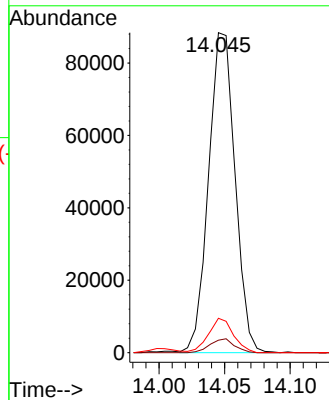
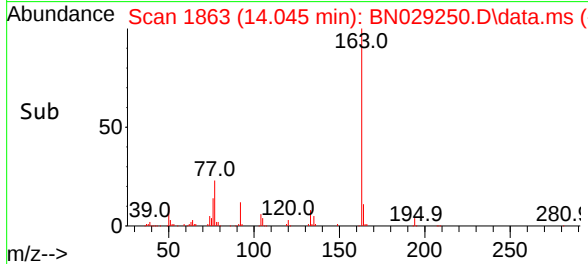
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion:163 Resp: 124210  
Ion Ratio Lower Upper  
163 100  
194 3.9 3.2 4.8  
164 10.8 8.2 12.4

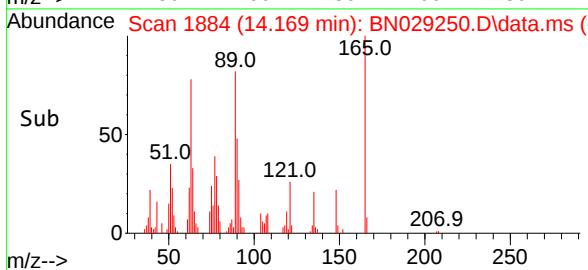
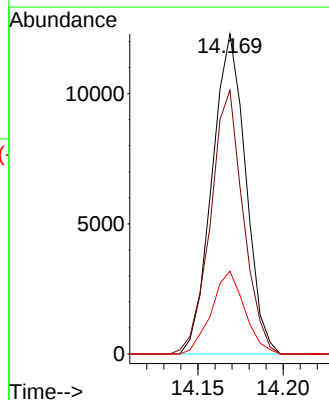
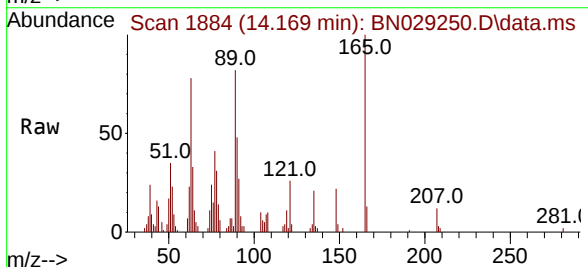
Manual Integrations  
APPROVED

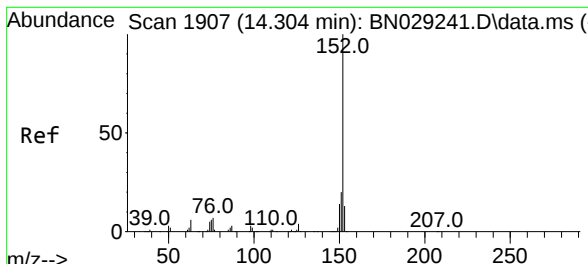
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#48  
2,6-Dinitrotoluene  
Concen: 3.571 ng/ul  
RT: 14.169 min Scan# 1884  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

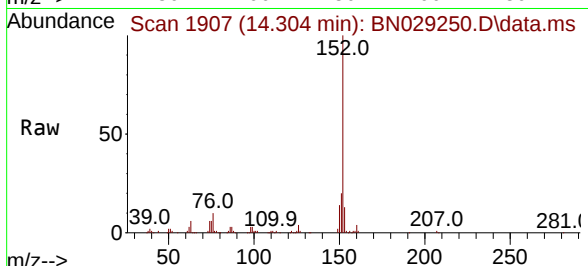
Tgt Ion:165 Resp: 16864  
Ion Ratio Lower Upper  
165 100  
89 82.4 58.6 87.8  
121 25.9 20.6 30.8





#50  
Acenaphthylene  
Concen: 4.230 ng/ul  
RT: 14.304 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT4-2023-07

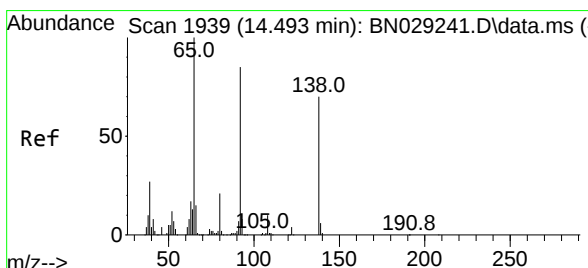
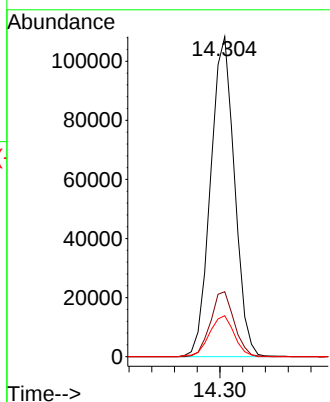
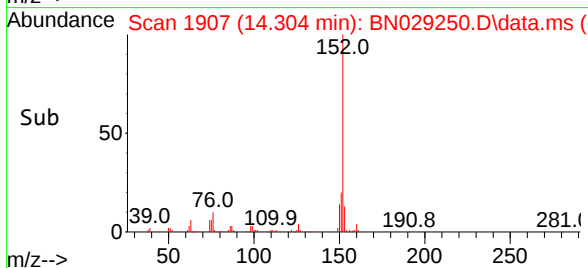


Tgt Ion:152 Resp: 158510

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 151 | 20.3  | 16.1  | 24.1  |
| 153 | 12.8  | 10.3  | 15.5  |

Manual Integrations  
APPROVED

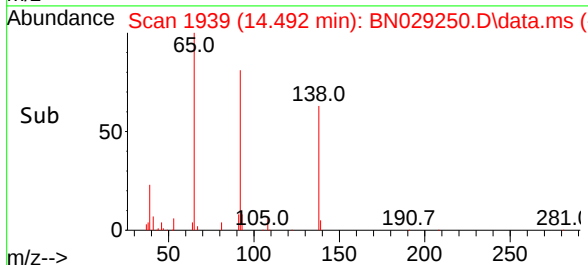
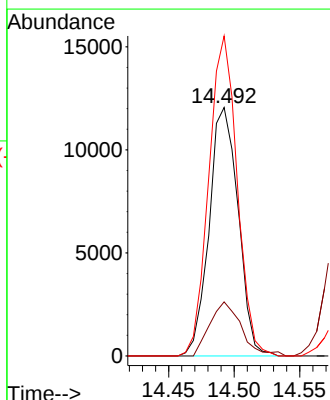
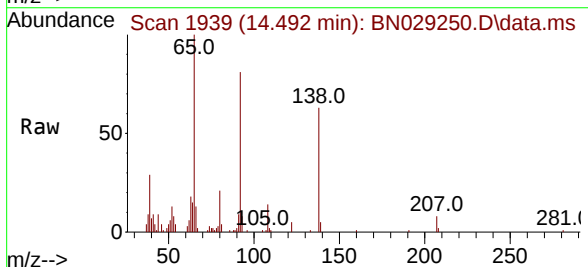
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

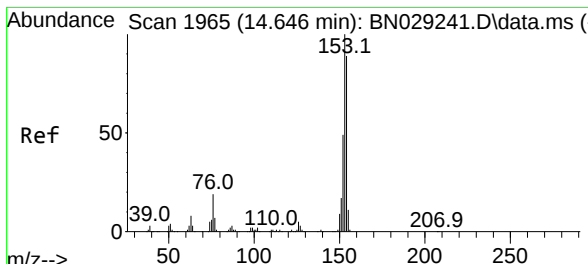


#51  
3-Nitroaniline  
Concen: 3.625 ng/ul  
RT: 14.492 min Scan# 1939  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Tgt Ion:138 Resp: 18591

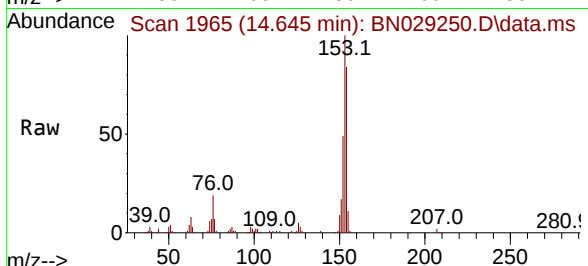
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 138 | 100   |       |       |
| 108 | 21.8  | 13.4  | 20.2  |
| 92  | 128.8 | 101.8 | 152.6 |





#52  
 Acenaphthene  
 Concen: 4.121 ng/ul  
 RT: 14.645 min Scan# 1965  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT4-2023-07

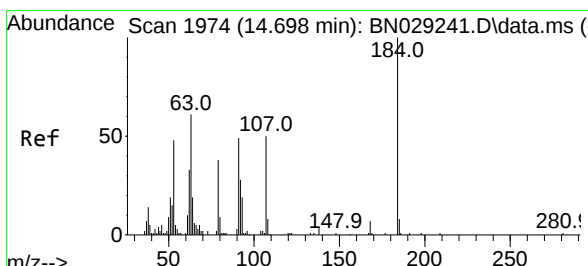
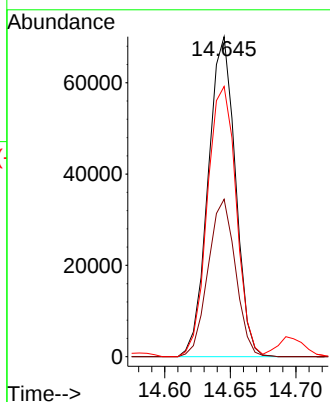
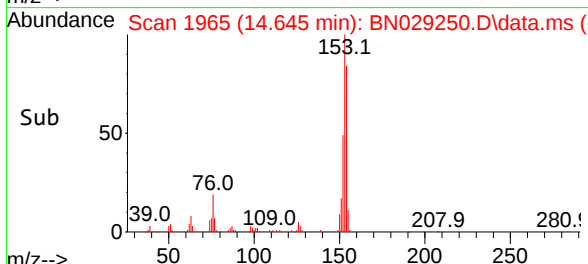


Tgt Ion:153 Resp: 101380

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 153 | 100   |       |       |
| 152 | 49.2  | 37.8  | 56.6  |
| 154 | 84.5  | 70.2  | 105.2 |

Manual Integrations  
 APPROVED

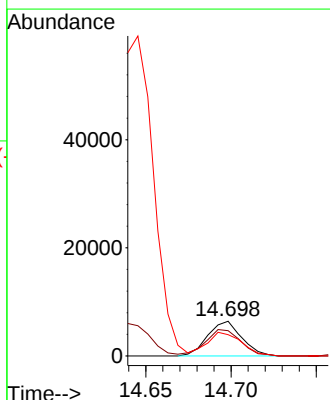
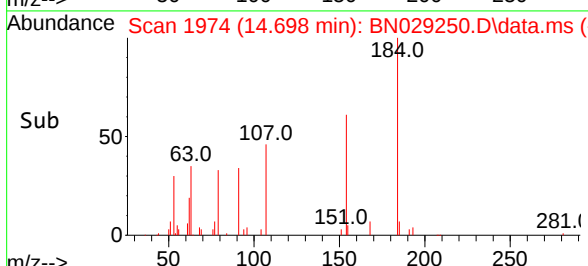
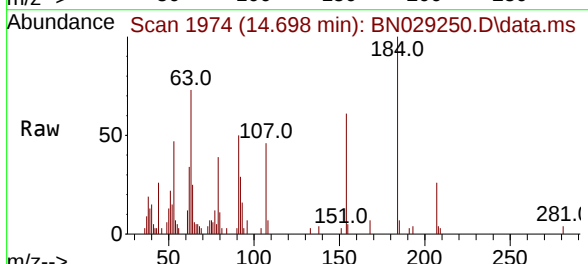
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

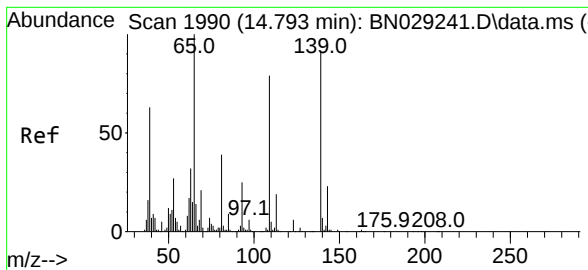


#53  
 2,4-Dinitrophenol  
 Concen: 4.422 ng/ul  
 RT: 14.698 min Scan# 1974  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

Tgt Ion:184 Resp: 8923

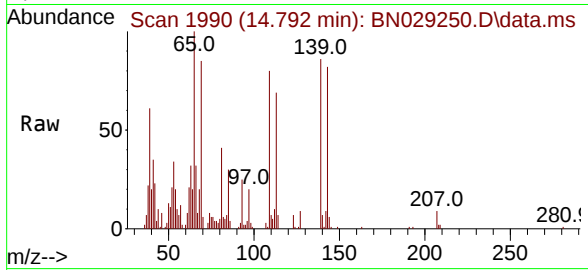
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 184 | 100   |       |       |
| 63  | 72.9  | 58.8  | 88.2  |
| 154 | 61.1  | 54.5  | 81.7  |





#55  
4-Nitrophenol  
Concen: 4.697 ng/ul  
RT: 14.792 min Scan# 1990  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

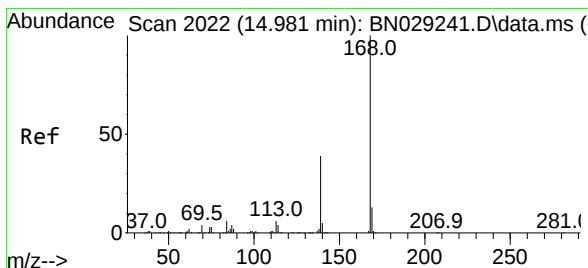
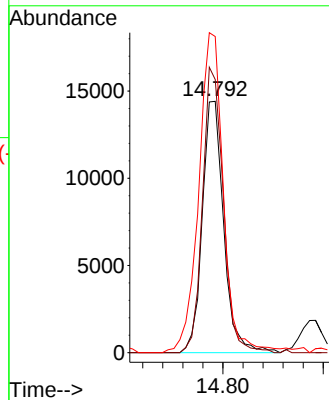
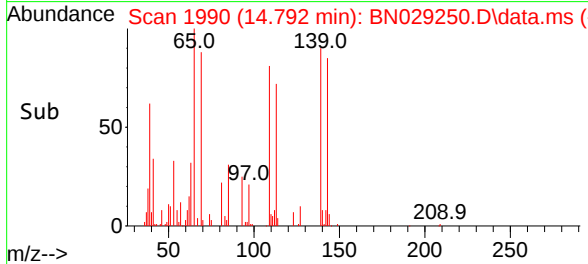
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion:109 Resp: 21470  
Ion Ratio Lower Upper  
109 100  
139 108.6 91.7 137.5  
65 125.8 100.4 150.6

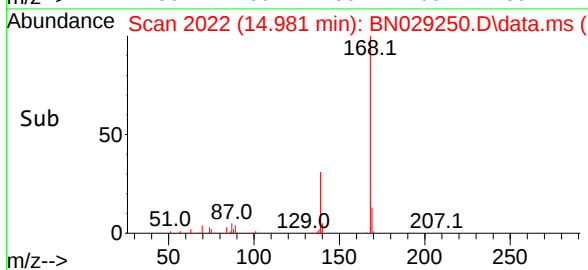
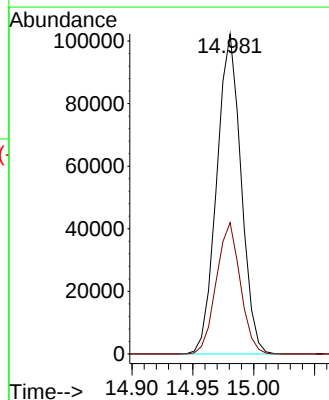
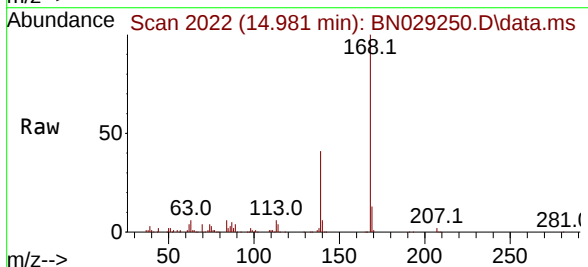
Manual Integrations  
APPROVED

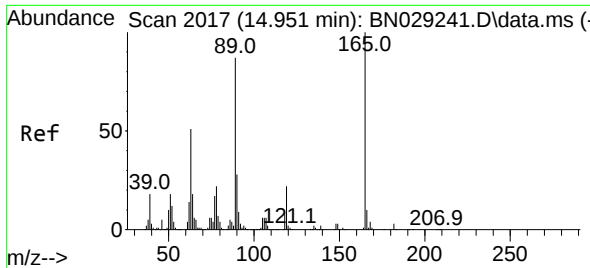
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#56  
Dibenzofuran  
Concen: 4.274 ng/ul  
RT: 14.981 min Scan# 2022  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

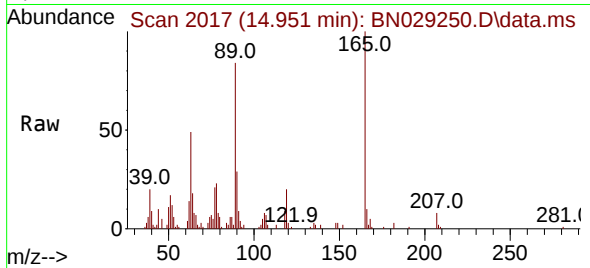
Tgt Ion:168 Resp: 142204  
Ion Ratio Lower Upper  
168 100  
139 41.0 32.7 49.1





#57  
2,4-Dinitrotoluene  
Concen: 3.811 ng/ul  
RT: 14.951 min Scan# 2017  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

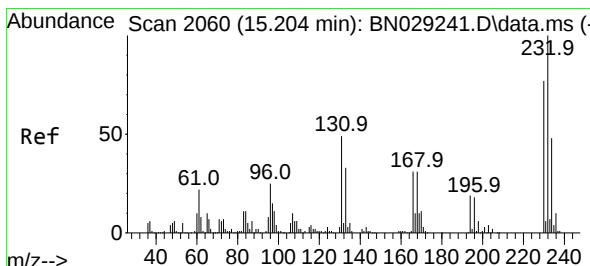
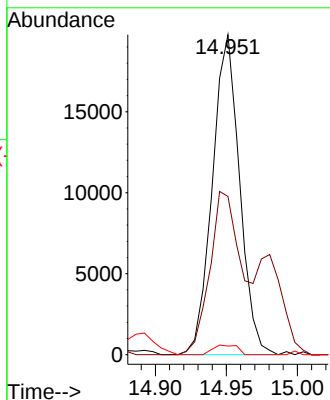
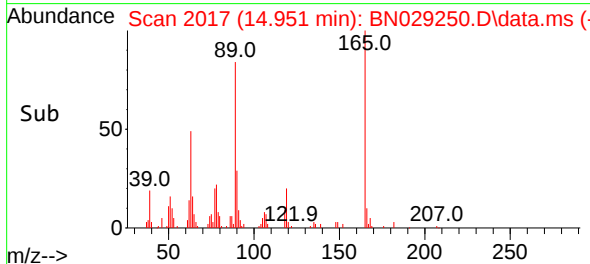
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion:165 Resp: 26352  
Ion Ratio Lower Upper  
165 100  
63 49.5 42.0 63.0  
182 2.7 2.2 3.4

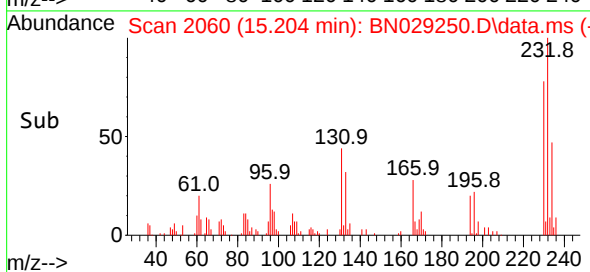
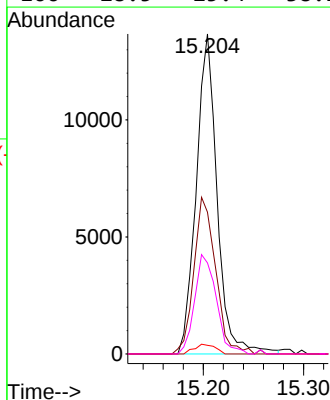
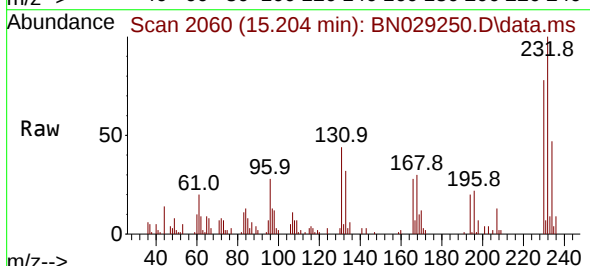
Manual Integrations  
APPROVED

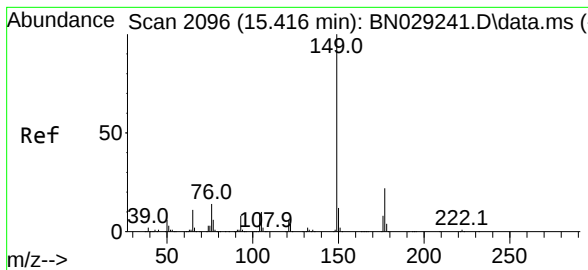
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#58  
2,3,4,6-Tetrachlorophenol  
Concen: 3.557 ng/ul  
RT: 15.204 min Scan# 2060  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

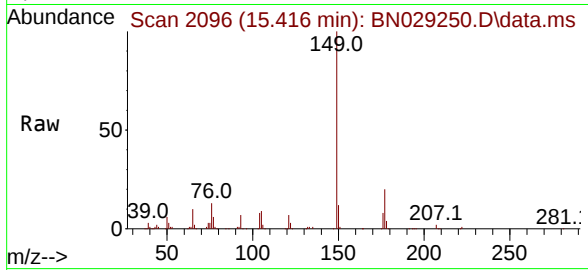
Tgt Ion:232 Resp: 19824  
Ion Ratio Lower Upper  
232 100  
131 44.3 39.7 59.5  
130 2.7 2.2 3.4  
166 28.5 25.4 38.2





#59  
Diethylphthalate  
Concen: 4.055 ng/ul  
RT: 15.416 min Scan# 2096  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

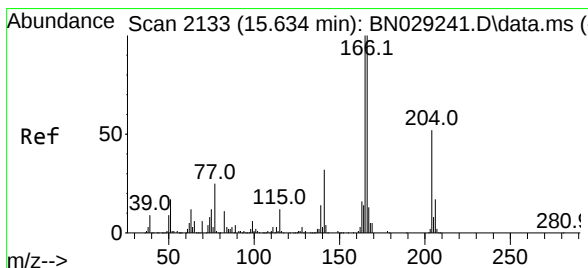
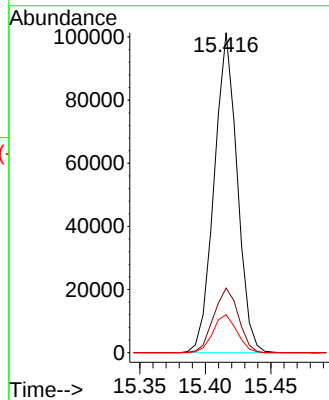
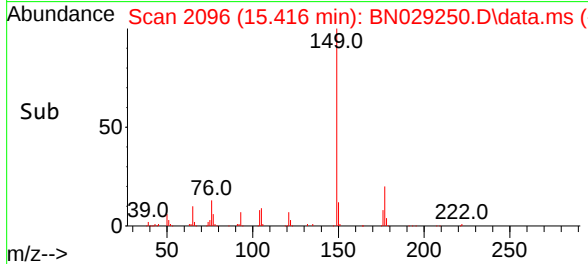
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion:149 Resp: 12353  
Ion Ratio Lower Upper  
149 100  
177 20.2 17.7 26.5  
150 11.8 10.3 15.5

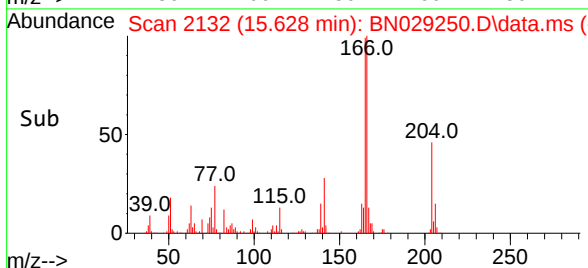
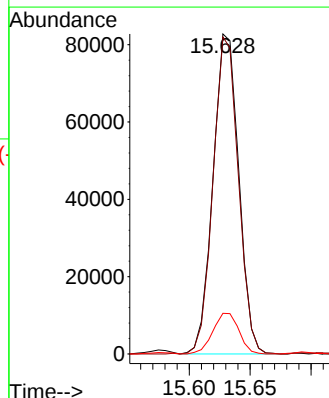
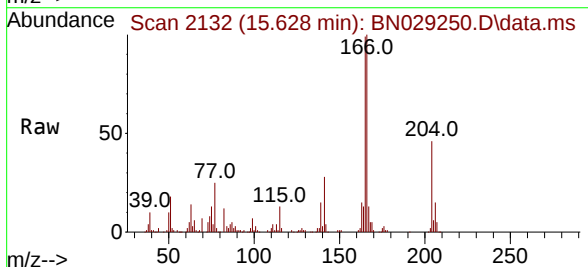
Manual Integrations  
APPROVED

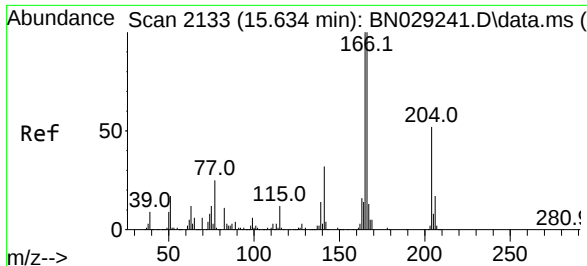
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#61  
Fluorene  
Concen: 4.221 ng/ul  
RT: 15.628 min Scan# 2132  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

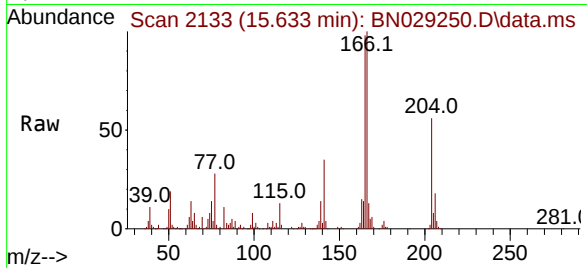
Tgt Ion:166 Resp: 121615  
Ion Ratio Lower Upper  
166 100  
165 99.0 79.0 118.6  
167 12.7 10.7 16.1





#62  
4-Chlorophenyl-phenylether  
Concen: 4.335 ng/ul  
RT: 15.633 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

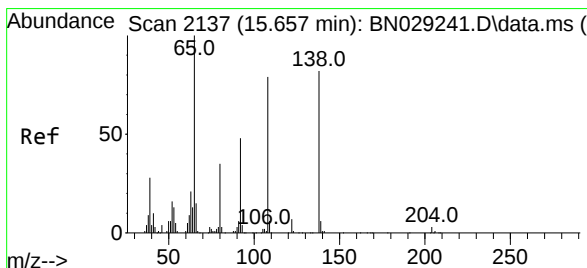
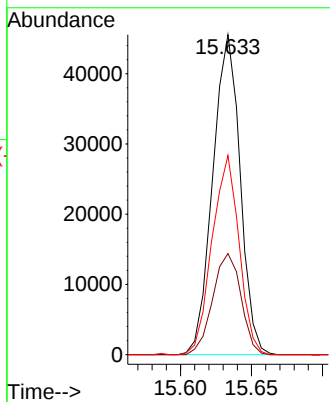
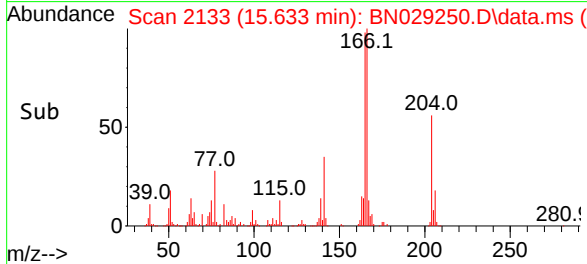
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion:204 Resp: 61030  
Ion Ratio Lower Upper  
204 100  
206 31.6 26.1 39.1  
141 62.3 48.6 72.8

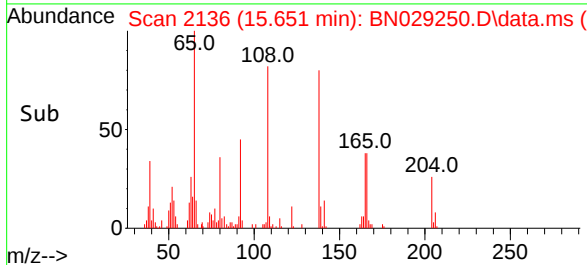
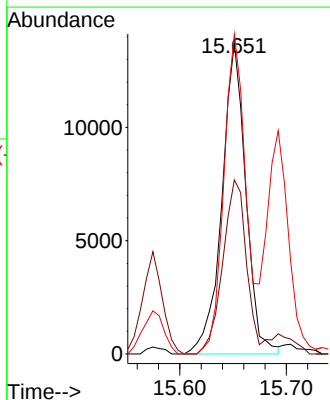
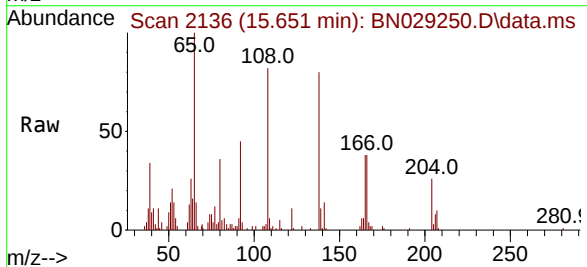
Manual Integrations  
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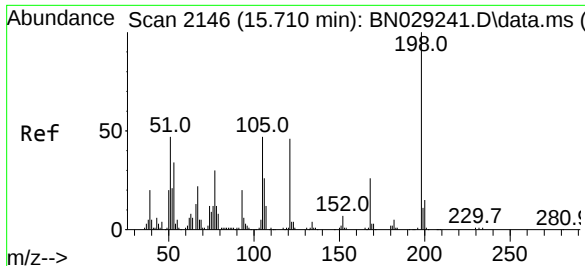
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#63  
4-Nitroaniline  
Concen: 4.241 ng/ul  
RT: 15.651 min Scan# 2136  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

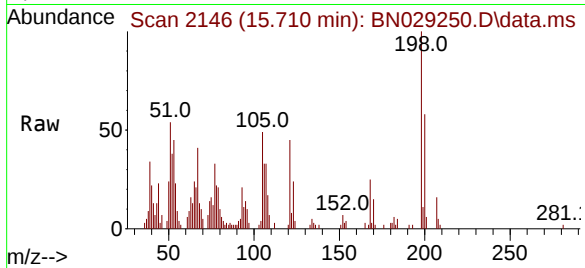
Tgt Ion:138 Resp: 21421  
Ion Ratio Lower Upper  
138 100  
92 56.0 44.5 66.7  
108 102.9 79.8 119.8





#66  
4,6-Dinitro-2-methylphenol  
Concen: 3.536 ng/ul  
RT: 15.710 min Scan# 2146  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

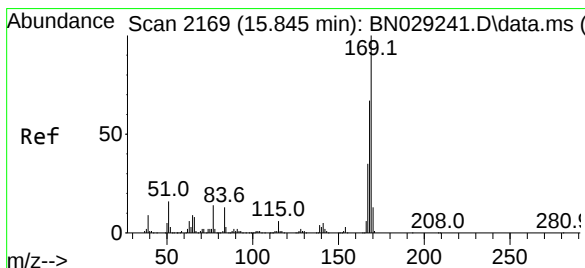
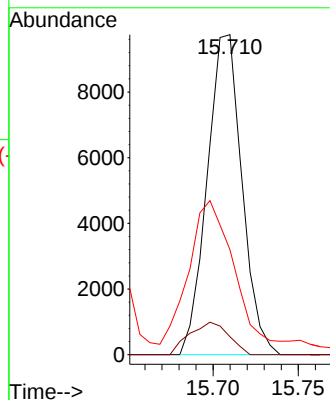
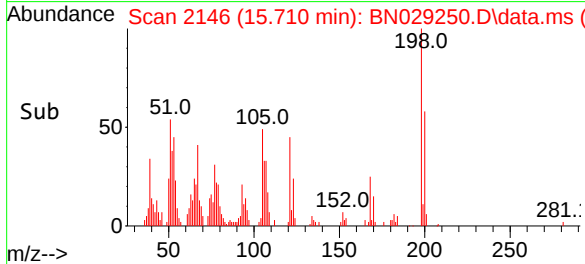
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion:198 Resp: 13850  
Ion Ratio Lower Upper  
198 100  
182 5.6 4.0 6.0  
77 32.8 24.7 37.1

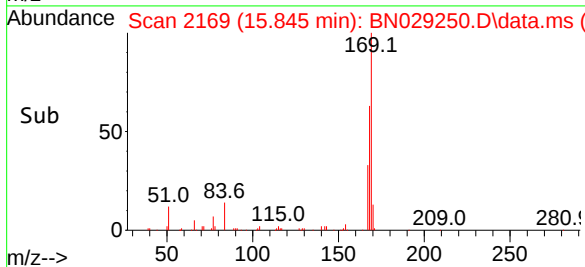
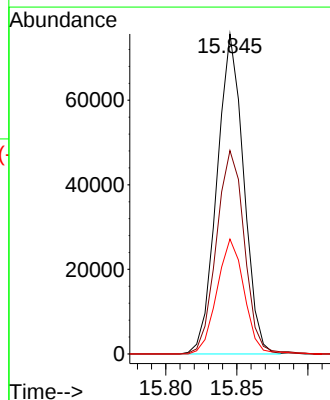
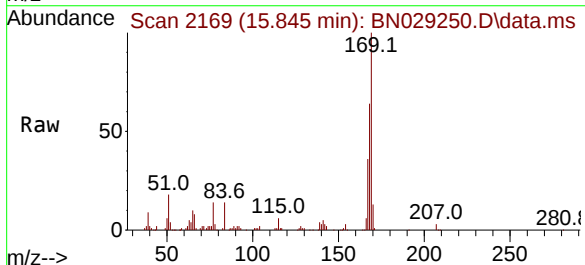
Manual Integrations  
APPROVED

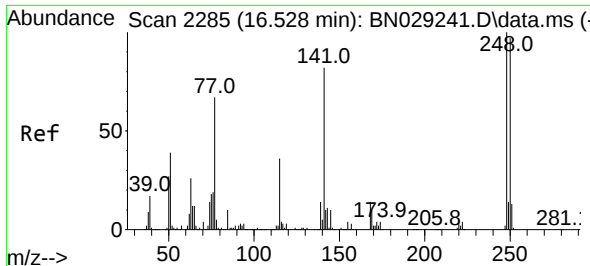
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#67  
N-Nitrosodiphenylamine  
Concen: 4.030 ng/ul  
RT: 15.845 min Scan# 2169  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

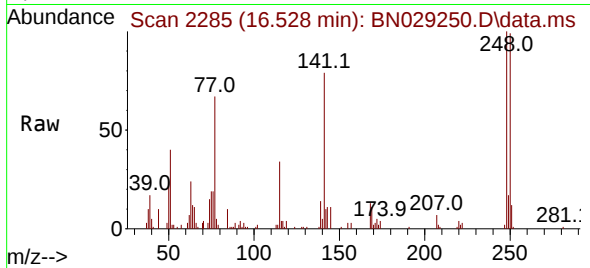
Tgt Ion:169 Resp: 98866  
Ion Ratio Lower Upper  
169 100  
168 63.5 55.1 82.7  
167 35.9 29.4 44.0





#68  
4-Bromophenyl-phenylether  
Concen: 2.985 ng/ul  
RT: 16.528 min Scan# 2285  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

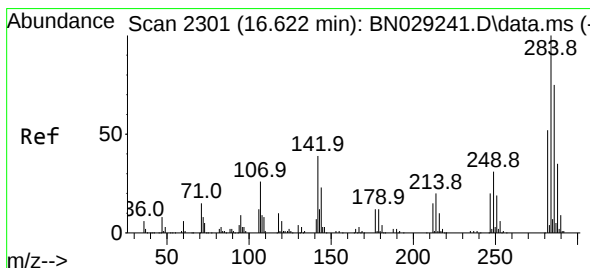
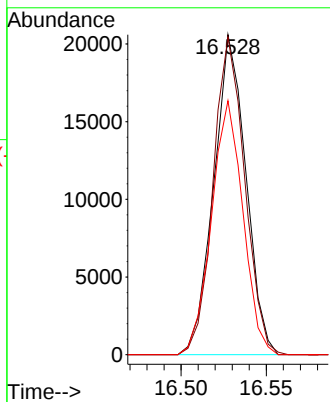
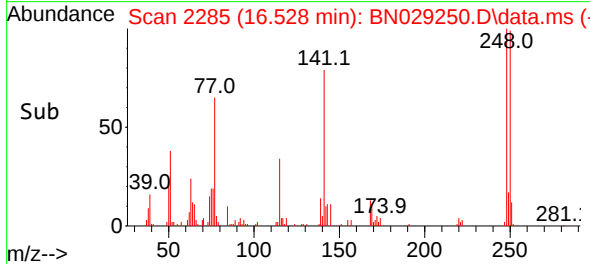
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



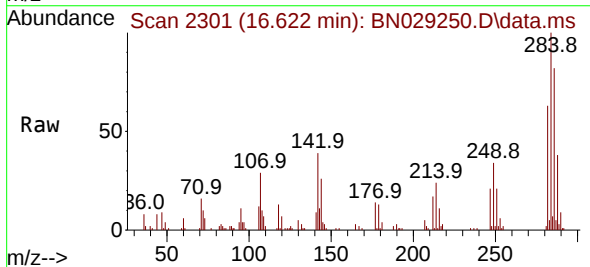
Tgt Ion:248 Resp: 2699  
Ion Ratio Lower Upper  
248 100  
250 99.3 80.2 120.2  
141 79.3 62.7 94.1

Manual Integrations  
APPROVED

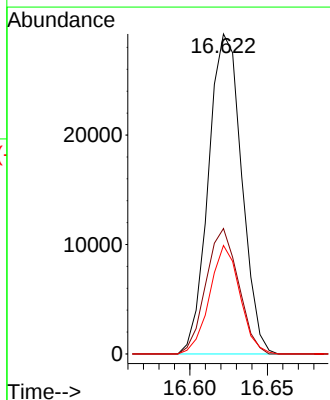
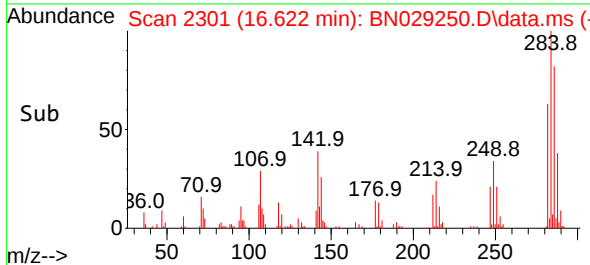
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

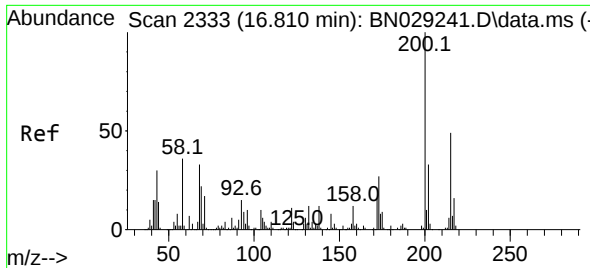


#69  
Hexachlorobenzene  
Concen: 4.004 ng/ul  
RT: 16.622 min Scan# 2301  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



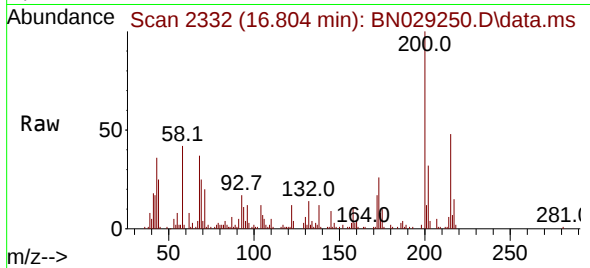
Tgt Ion:284 Resp: 43587  
Ion Ratio Lower Upper  
284 100  
142 39.2 24.9 37.3#  
249 33.9 23.1 34.7





#70  
 Atrazine  
 Concen: 4.284 ng/ul  
 RT: 16.804 min Scan# 2332  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

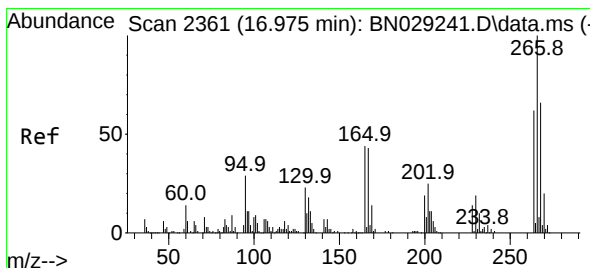
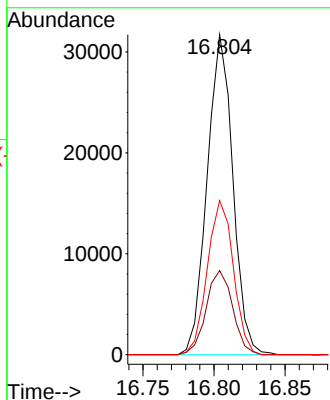
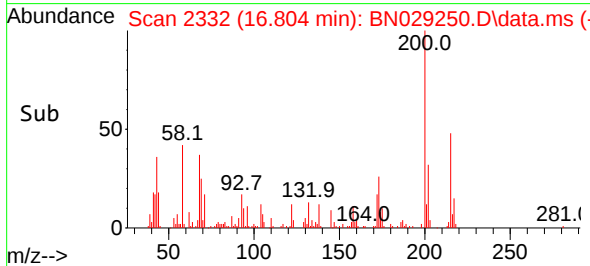
Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT4-2023-07



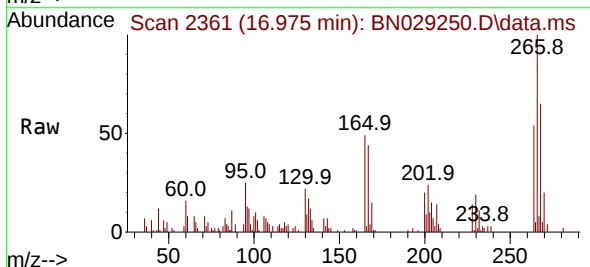
Tgt Ion:200 Resp: 39910  
 Ion Ratio Lower Upper  
 200 100  
 173 26.3 20.1 30.1  
 215 48.2 36.9 55.3

Manual Integrations  
 APPROVED

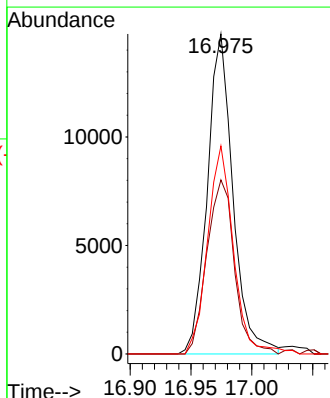
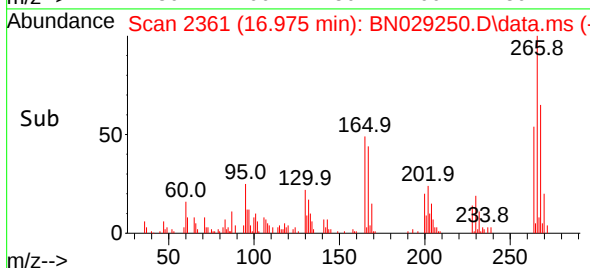
Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

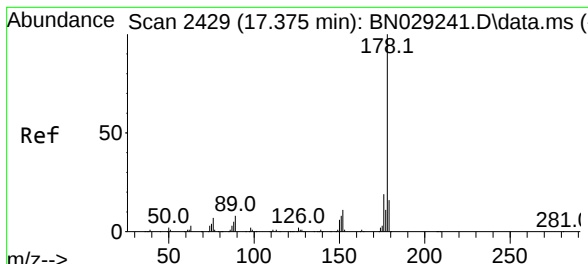


#71  
 Pentachlorophenol  
 Concen: 3.685 ng/ul  
 RT: 16.975 min Scan# 2361  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43



Tgt Ion:266 Resp: 21675  
 Ion Ratio Lower Upper  
 266 100  
 264 54.4 53.4 80.0  
 268 65.0 49.4 74.0





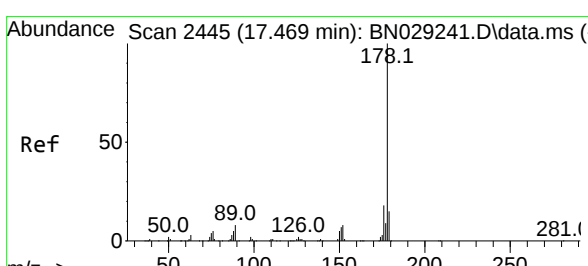
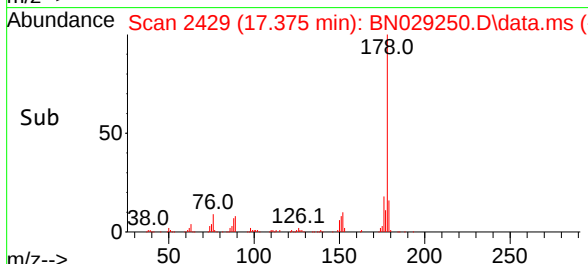
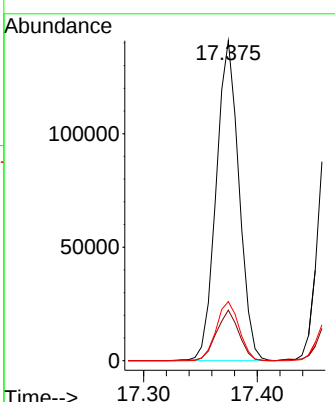
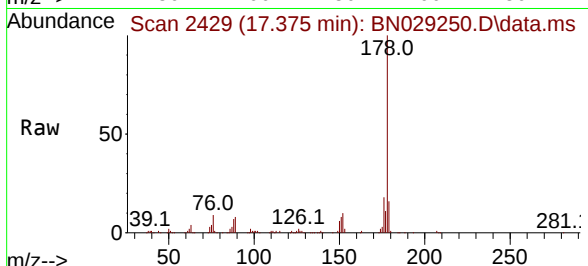
#72  
 Phenanthrene  
 Concen: 4.186 ng/ul  
 RT: 17.375 min Scan# 2429  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion:178 Resp: 196508

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.8  | 12.6  | 19.0  |
| 176 | 18.4  | 15.7  | 23.5  |

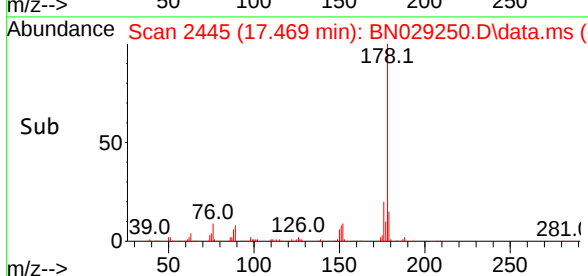
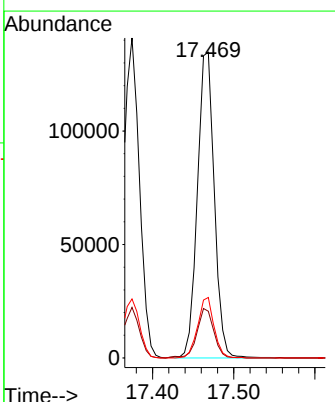
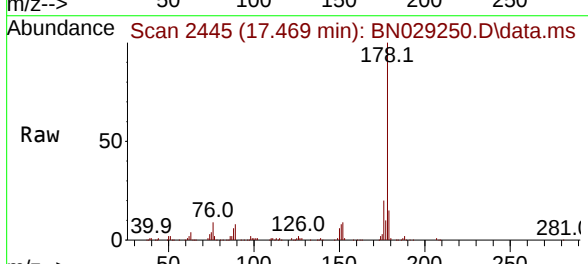
Manual Integrations  
**APPROVED**  
 Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

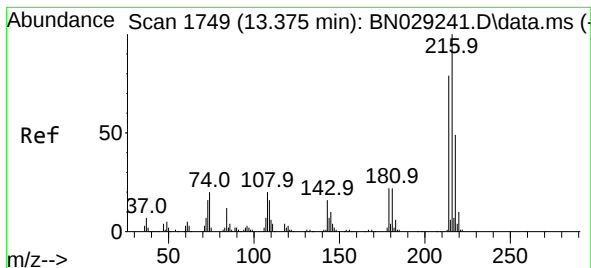


#74  
 Anthracene  
 Concen: 3.991 ng/ul  
 RT: 17.469 min Scan# 2445  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

Tgt Ion:178 Resp: 194580

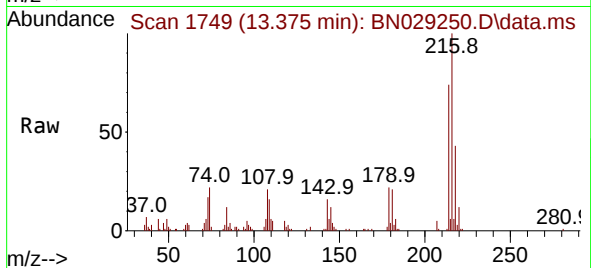
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 178 | 100   |       |       |
| 179 | 15.3  | 11.6  | 17.4  |
| 176 | 19.8  | 14.2  | 21.4  |





#75  
1,2,3,4-Tetrachlorobenzene  
Concen: 4.131 ng/uL  
RT: 13.375 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

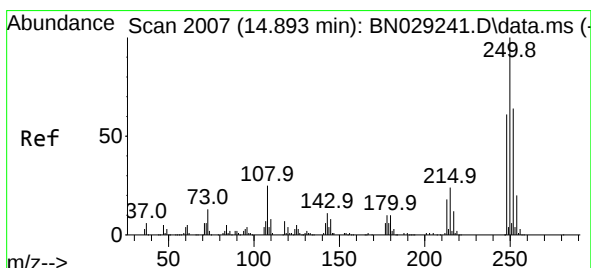
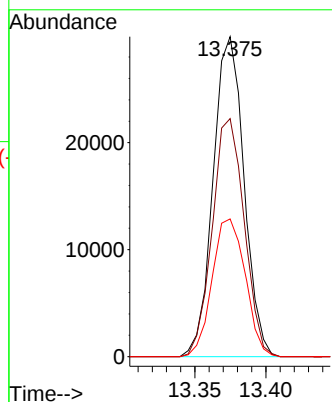
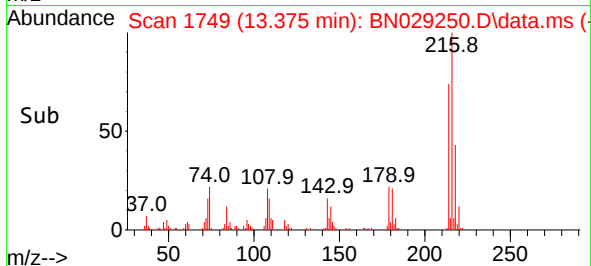
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



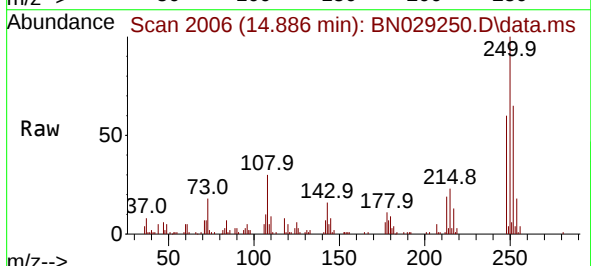
Tgt Ion:216 Resp: 45201  
Ion Ratio Lower Upper  
216 100  
214 74.4 58.3 87.5  
218 43.1 35.2 52.8

Manual Integrations  
APPROVED

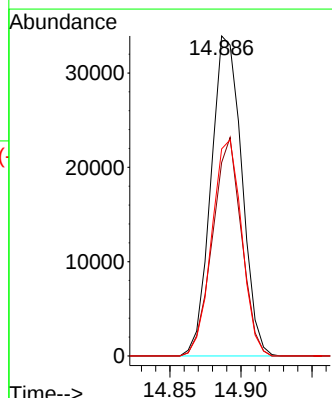
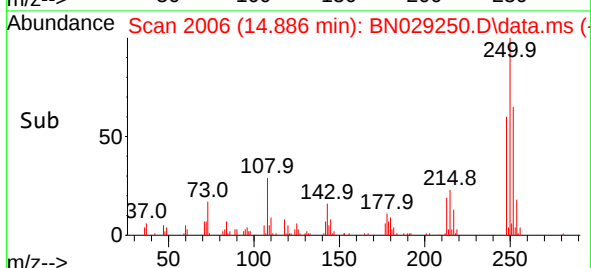
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

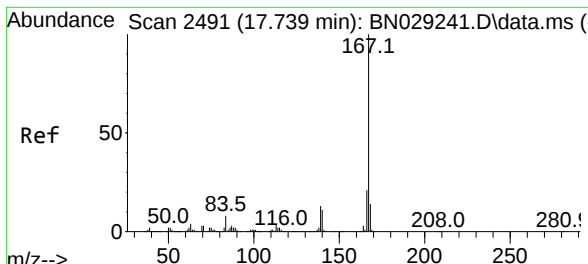


#76  
Pentachlorobenzene  
Concen: 4.503 ng/uL  
RT: 14.886 min Scan# 2006  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



Tgt Ion:250 Resp: 51001  
Ion Ratio Lower Upper  
250 100  
248 60.5 50.5 75.7  
252 64.7 54.3 81.5





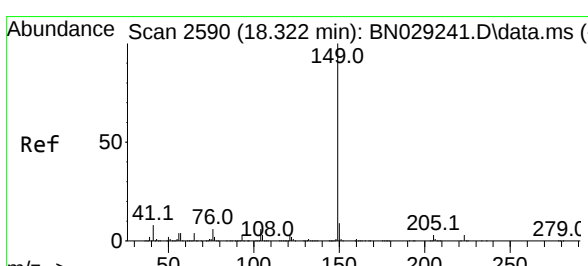
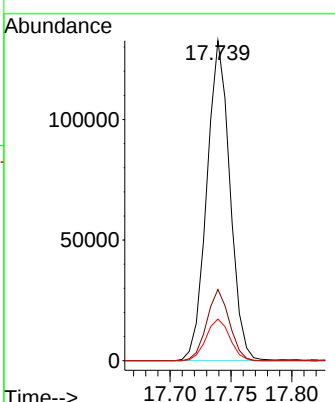
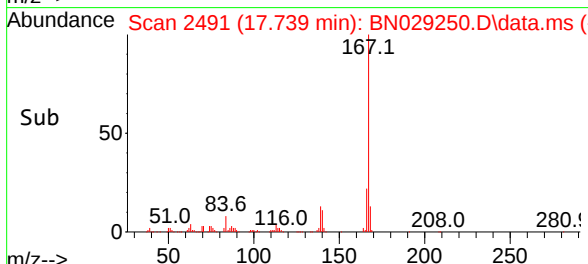
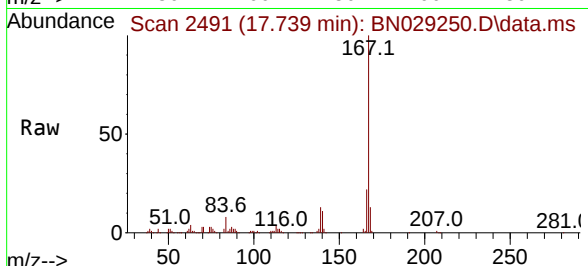
#77  
 Carbazole  
 Concen: 3.881 ng/ul  
 RT: 17.739 min Scan# 2491  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT4-2023-07

Tgt Ion:167 Resp: 174960

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 167 | 100   |       |       |
| 166 | 22.3  | 18.0  | 27.0  |
| 139 | 13.0  | 10.8  | 16.2  |

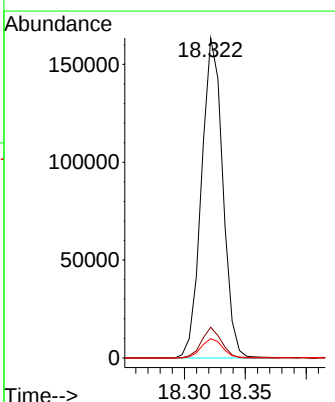
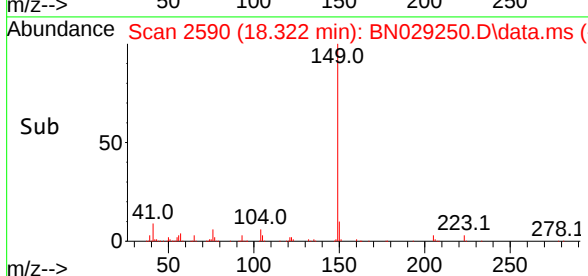
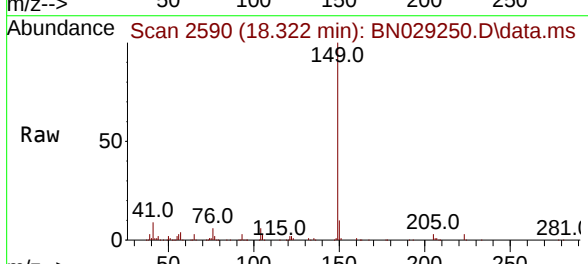
Manual Integrations  
**APPROVED**  
 Reviewed By :Jagrut Upadhyay 01/17/2024  
 Supervised By :mohammad ahmed 01/18/2024

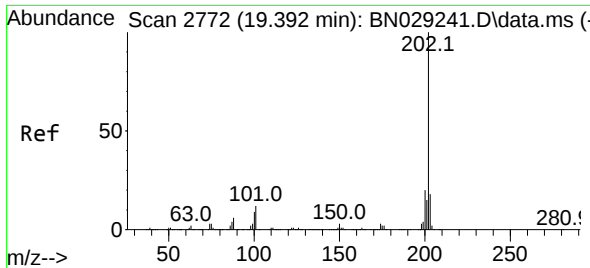


#78  
 Di-n-butylphthalate  
 Concen: 3.609 ng/ul  
 RT: 18.322 min Scan# 2590  
 Delta R.T. 0.000 min  
 Lab File: BN029250.D  
 Acq: 16 Jan 2024 15:43

Tgt Ion:149 Resp: 198415

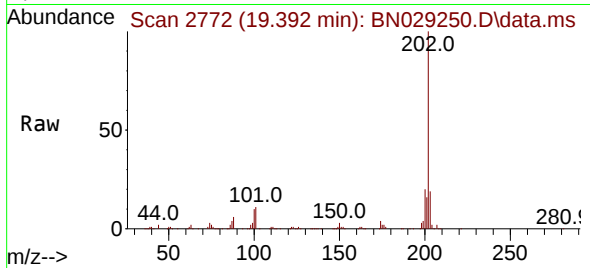
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 149 | 100   |       |       |
| 150 | 9.6   | 7.1   | 10.7  |
| 104 | 6.0   | 4.8   | 7.2   |





#80  
Fluoranthene  
Concen: 4.131 ng/u1  
RT: 19.392 min Scan# 2772  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

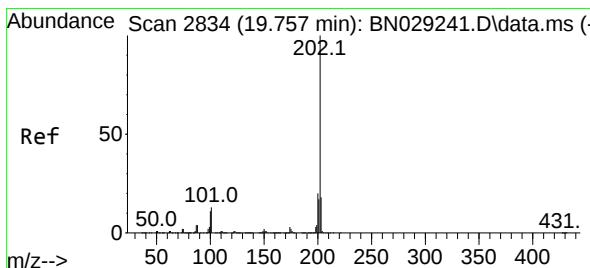
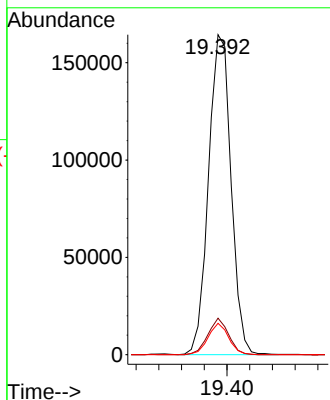
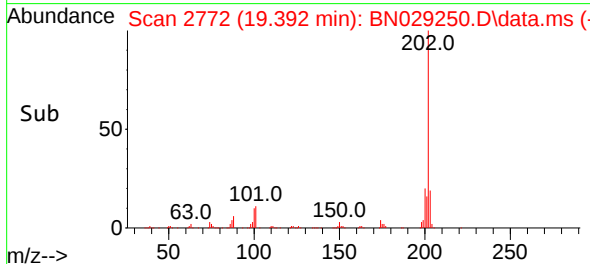
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



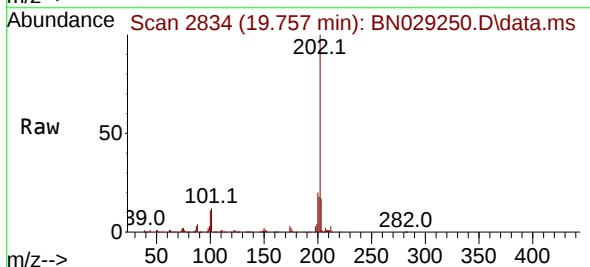
Tgt Ion:202 Resp: 22658  
Ion Ratio Lower Upper  
202 100  
101 11.4 9.3 13.9  
100 9.8 7.0 10.6

Manual Integrations  
APPROVED

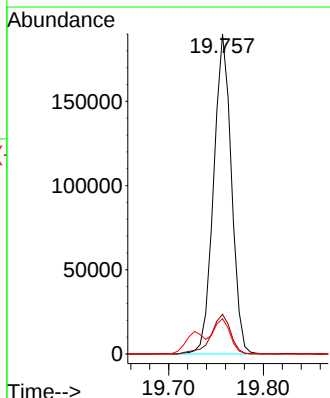
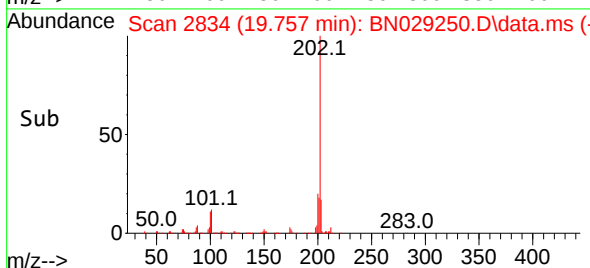
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024

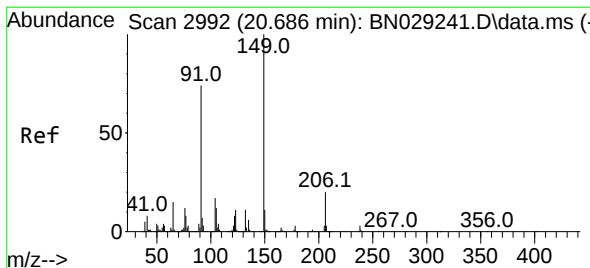


#82  
Pyrene  
Concen: 4.254 ng/u1  
RT: 19.757 min Scan# 2834  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43



Tgt Ion:202 Resp: 247836  
Ion Ratio Lower Upper  
202 100  
101 12.4 10.3 15.5  
100 11.0 8.9 13.3





#83

Butylbenzylphthalate

Concen: 3.276 ng/ul

RT: 20.680 min Scan# 2992

Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

Instrument :

BNA\_N

ClientSampleId :

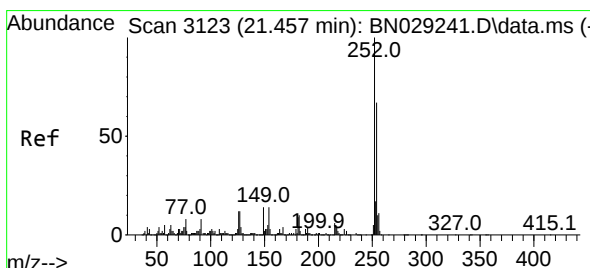
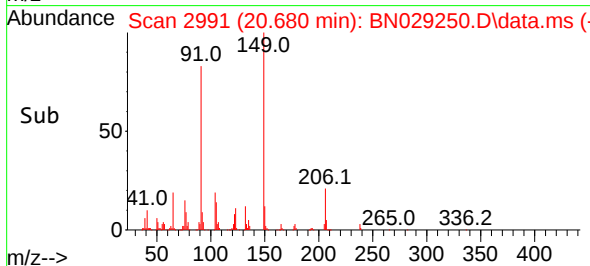
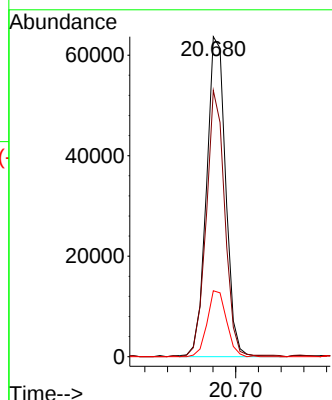
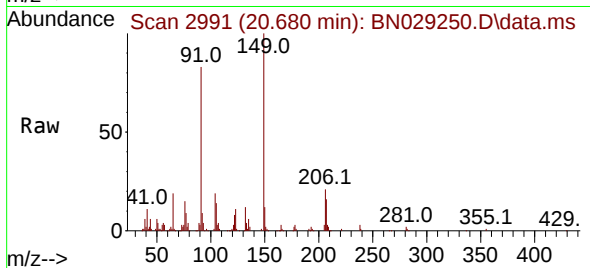
MDL-SOIL-QT4-2023-07

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 149   | Resp: | 7461 |
| Ion Ratio | Lower | Upper |      |
| 149       | 100   |       |      |
| 91        | 83.2  | 65.4  | 98.2 |
| 206       | 20.6  | 14.9  | 22.3 |

Manual Integrations

APPROVED

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



#84

3,3'-Dichlorobenzidine

Concen: 4.195 ng/ul

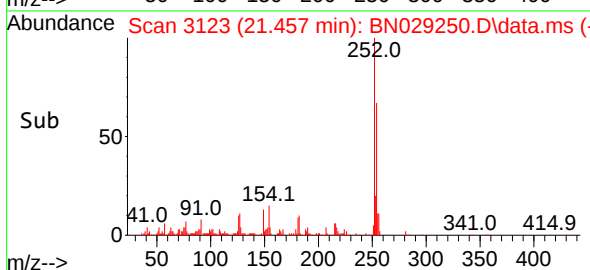
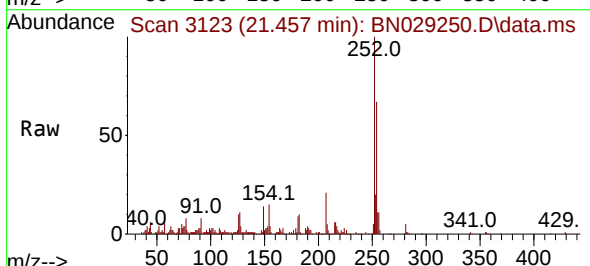
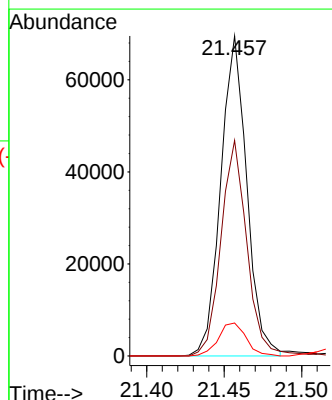
RT: 21.457 min Scan# 3123

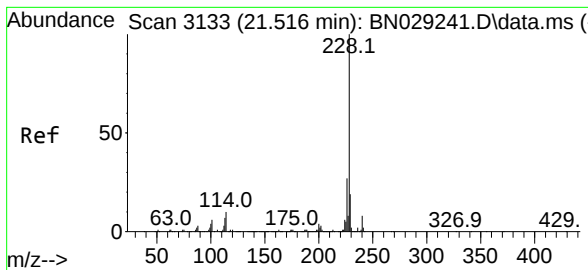
Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 81293 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 254       | 67.4  | 50.7  | 76.1  |
| 126       | 10.3  | 8.6   | 12.8  |





#85

Benzo(a)anthracene

Concen: 4.309 ng/ul

RT: 21.515 min Scan# 3133

Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

Instrument :

BNA\_N

ClientSampleId :

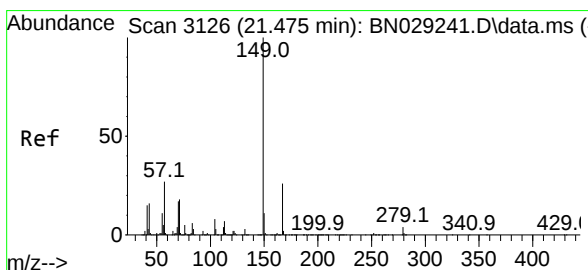
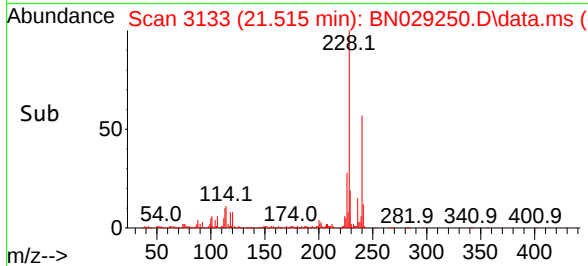
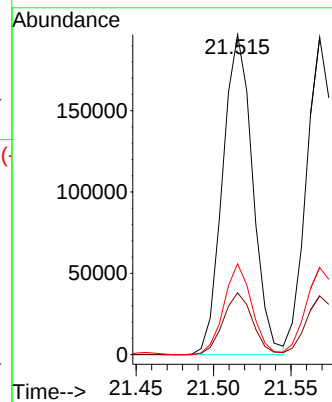
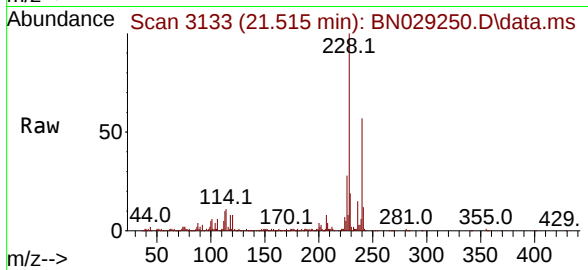
MDL-SOIL-QT4-2023-07

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 228   | Resp: | 265264 |
| Ion Ratio | Lower | Upper |        |
| 228       | 100   |       |        |
| 229       | 19.4  | 16.3  | 24.5   |
| 226       | 28.4  | 22.4  | 33.6   |

Manual Integrations

APPROVED

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



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.405 ng/ul

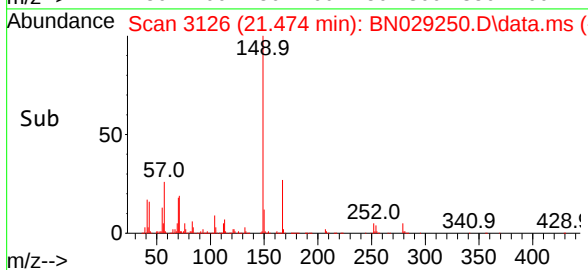
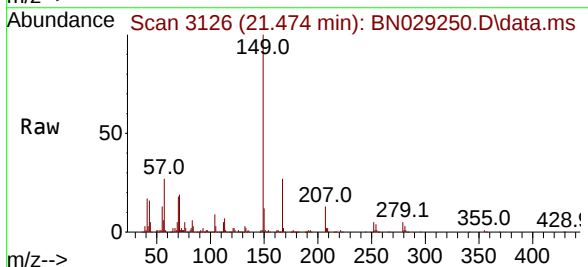
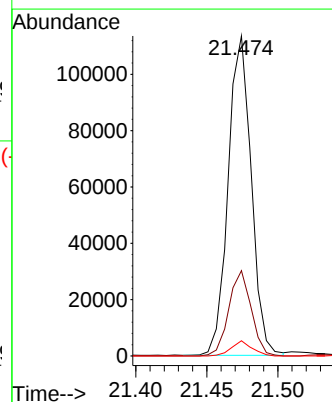
RT: 21.474 min Scan# 3126

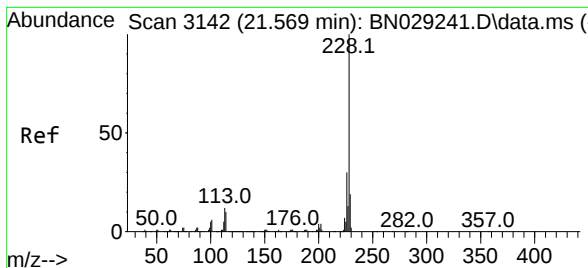
Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 149   | Resp: | 128067 |
| Ion Ratio | Lower | Upper |        |
| 149       | 100   |       |        |
| 167       | 26.6  | 20.6  | 31.0   |
| 279       | 4.8   | 3.6   | 5.4    |





#87

Chrysene

Concen: 4.310 ng/ul

RT: 21.568 min Scan# 3142

Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

Instrument :

BNA\_N

ClientSampleId :

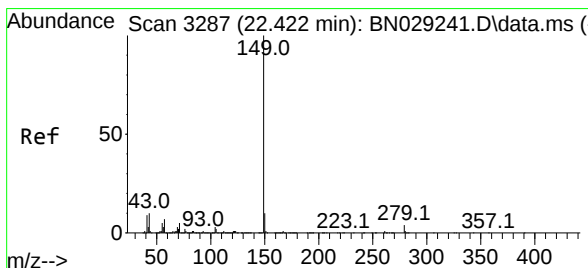
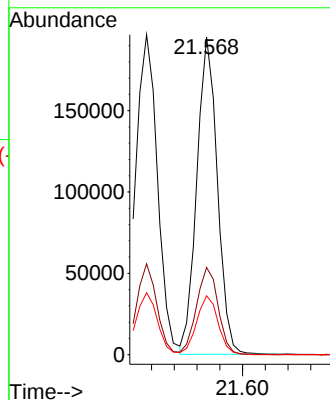
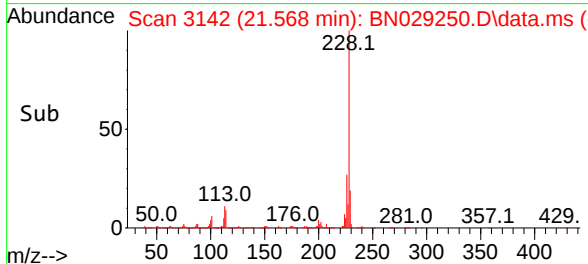
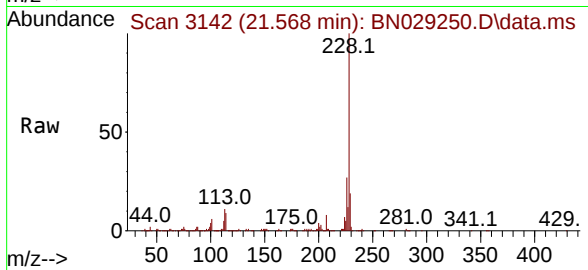
MDL-SOIL-QT4-2023-07

Tgt Ion:228 Resp: 24538  
 Ion Ratio Lower Upper  
 228 100  
 226 27.5 24.3 36.5  
 229 18.6 15.9 23.9

Manual Integrations

APPROVED

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



#89

Di-n-octyl phthalate

Concen: 2.771 ng/ul

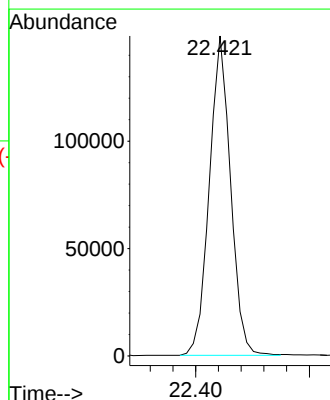
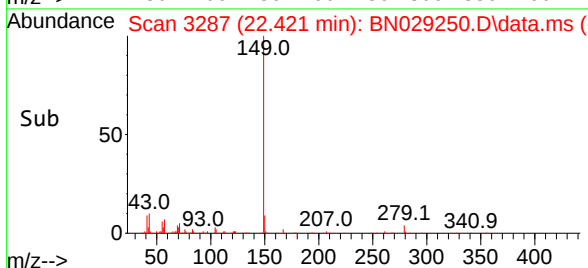
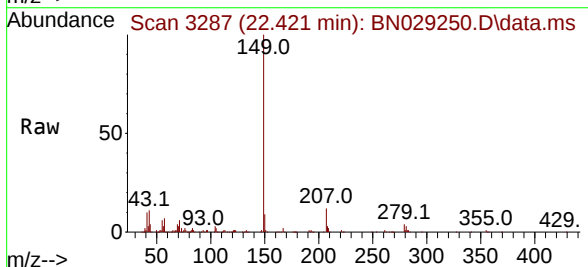
RT: 22.421 min Scan# 3287

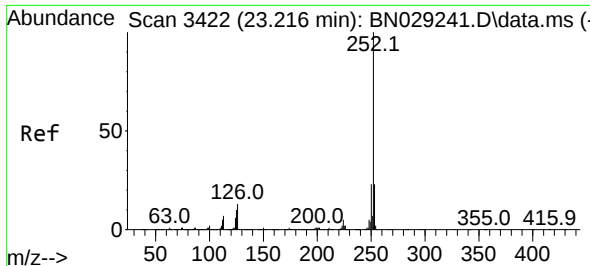
Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

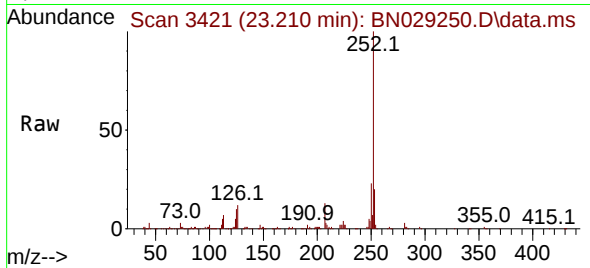
Tgt Ion:149 Resp: 193017





#90  
Benzo(b)fluoranthene  
Concen: 3.943 ng/ul  
RT: 23.210 min Scan# 3421  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

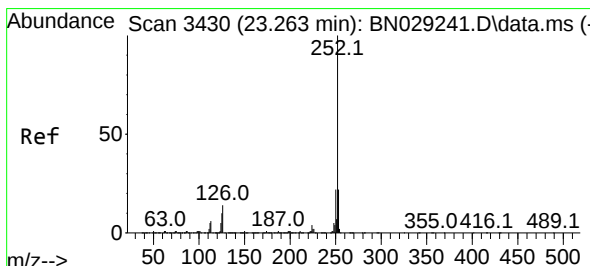
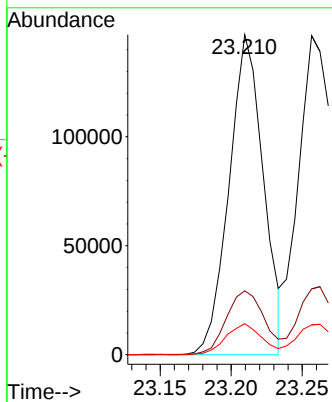
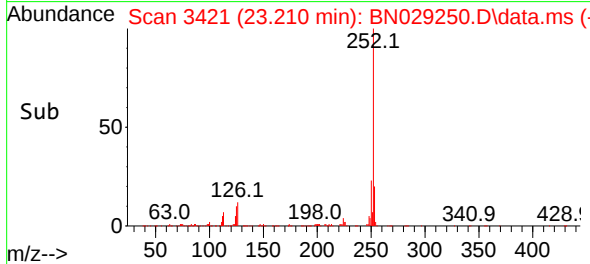
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07



Tgt Ion:252 Resp: 247052  
Ion Ratio Lower Upper  
252 100  
253 19.9 16.9 25.3  
125 9.7 8.2 12.2

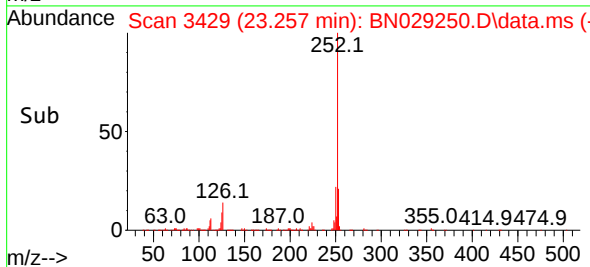
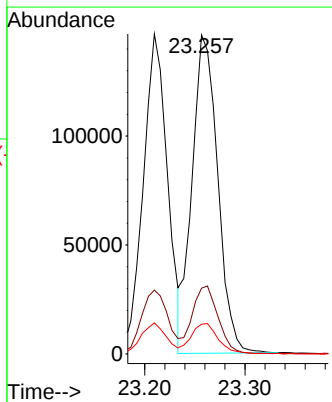
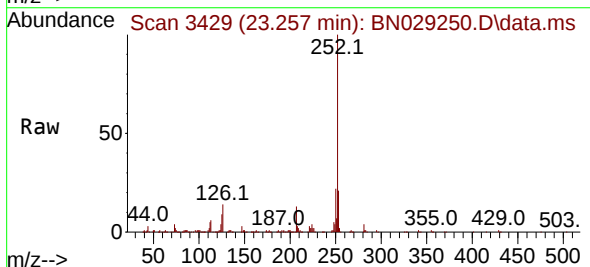
Manual Integrations  
APPROVED

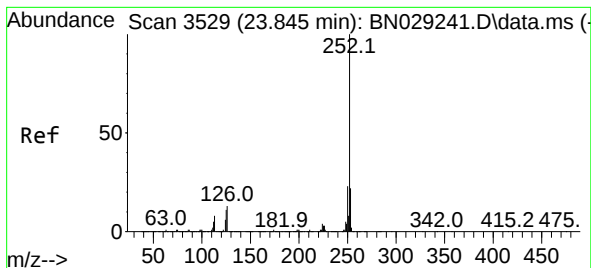
Reviewed By :Jagrut Upadhyay 01/17/2024  
Supervised By :mohammad ahmed 01/18/2024



#91  
Benzo(k)fluoranthene  
Concen: 4.161 ng/ul  
RT: 23.257 min Scan# 3429  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Tgt Ion:252 Resp: 259815  
Ion Ratio Lower Upper  
252 100  
253 20.6 18.2 27.2  
125 9.3 8.0 12.0





#93

Benzo(a)pyrene

Concen: 4.059 ng/ul

RT: 23.839 min Scan# 3529

Delta R.T. 0.000 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

Instrument :

BNA\_N

ClientSampleId :

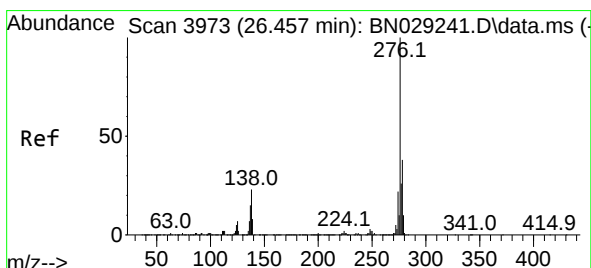
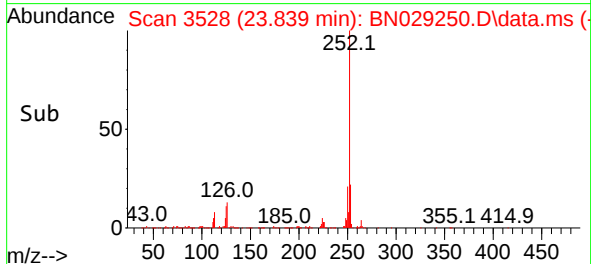
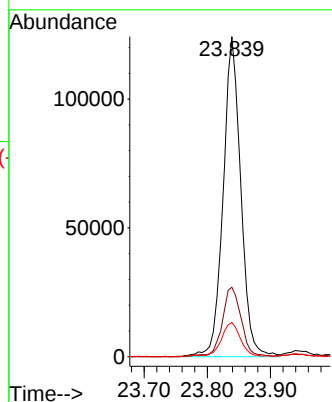
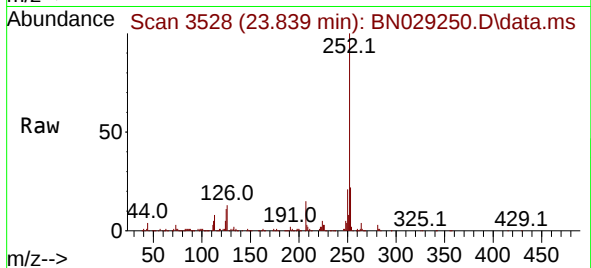
MDL-SOIL-QT4-2023-07

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 252   | Resp: | 24118 |
| Ion Ratio | Lower | Upper |       |
| 252       | 100   |       |       |
| 253       | 21.7  | 17.4  | 26.0  |
| 125       | 10.7  | 9.0   | 13.6  |

Manual Integrations

APPROVED

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



#94

Indeno(1,2,3-cd)pyrene

Concen: 3.963 ng/ul

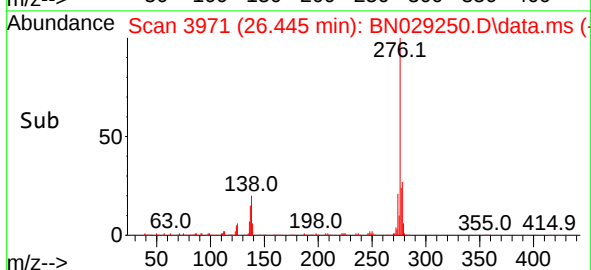
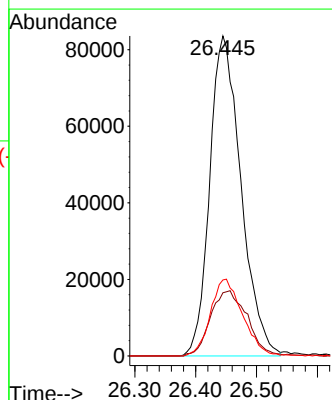
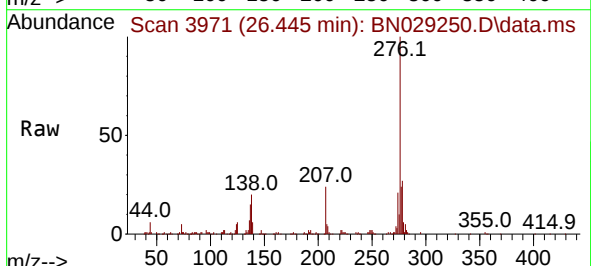
RT: 26.445 min Scan# 3971

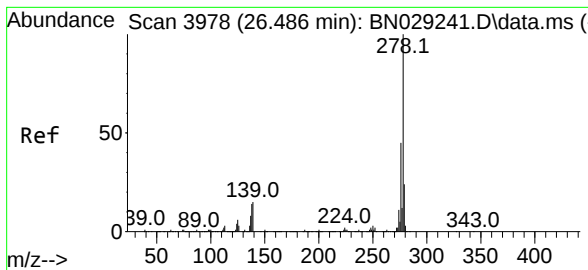
Delta R.T. -0.006 min

Lab File: BN029250.D

Acq: 16 Jan 2024 15:43

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 276   | Resp: | 298040 |
| Ion Ratio | Lower | Upper |        |
| 276       | 100   |       |        |
| 138       | 19.8  | 17.2  | 25.8   |
| 277       | 23.8  | 18.6  | 28.0   |





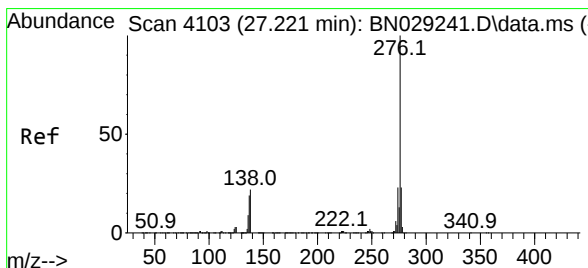
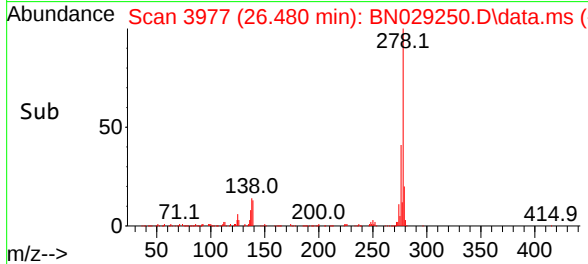
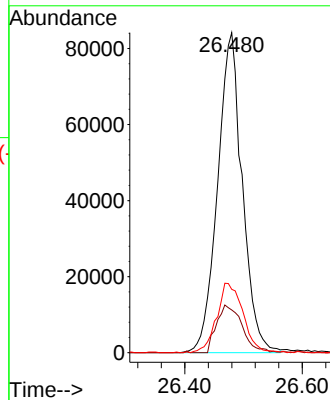
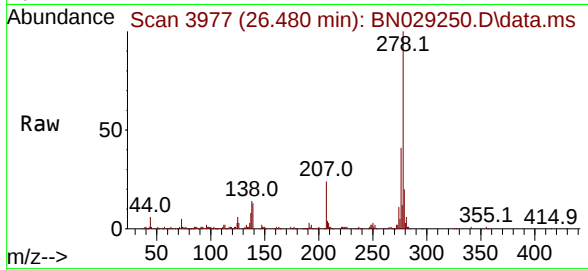
#95  
Dibenzo(a,h)anthracene  
Concen: 3.913 ng/ul  
RT: 26.480 min Scan# 3978  
Delta R.T. 0.000 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT4-2023-07

Tgt Ion:278 Resp: 245392  
Ion Ratio Lower Upper  
278 100  
139 13.4 12.0 18.0  
279 19.8 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: 3.763 ng/ul  
RT: 27.209 min Scan# 4101  
Delta R.T. -0.006 min  
Lab File: BN029250.D  
Acq: 16 Jan 2024 15:43

Tgt Ion:276 Resp: 225989  
Ion Ratio Lower Upper  
276 100  
138 21.3 15.8 23.6  
277 26.2 17.0 25.6#

