

Data Path : Z:\svoasrv\HPCHEM1\BNA\_N\Data\BN052224\  
 Data File : BN031606.D  
 Acq On : 22 May 2024 14:33  
 Operator : MA/JU  
 Sample : P2409-04  
 Misc : SFAM-MDL-SOIL-02  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_N  
 ClientSampleId :  
 MDL-SOIL-QT2-2024-04

Quant Time: May 22 23:30:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.693  | 152  | 466111   | 20.000 | ng/u1  | 0.00     |
| 20) Naphthalene-d8            | 10.475 | 136  | 2006829  | 20.000 | ng/u1  | 0.00     |
| 38) Acenaphthene-d10          | 14.328 | 164  | 1223351  | 20.000 | ng/u1  | 0.00     |
| 64) Phenanthrene-d10          | 17.075 | 188  | 2378486  | 20.000 | ng/u1  | 0.00     |
| 79) Chrysene-d12              | 21.304 | 240  | 1489295  | 20.000 | ng/u1  | 0.00     |
| 88) Perylene-d12              | 24.239 | 264  | 1304292  | 20.000 | ng/u1  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 3) 1,4-Dioxane-d8             | 3.199  | 96   | 63407    | 5.392  | ng/uL  | 0.00     |
| 4) Pyridine-d5                | 3.599  | 84   | 875172   | 26.668 | ng/u1  | 0.00     |
| 7) Phenol-d5                  | 6.857  | 99   | 1009223  | 26.303 | ng/u1  | 0.00     |
| 9) Bis-(2-Chloroethyl)eth...  | 7.034  | 67   | 617283   | 26.823 | ng/u1  | 0.00     |
| 11) 2-Chlorophenol-d4         | 7.222  | 132  | 759783   | 25.698 | ng/u1  | 0.00     |
| 15) 4-Methylphenol-d8         | 8.387  | 113  | 758303   | 25.529 | ng/u1  | 0.00     |
| 21) Nitrobenzene-d5           | 8.846  | 128  | 383549   | 25.253 | ng/u1  | 0.00     |
| 24) 2-Nitrophenol-d4          | 9.563  | 143  | 359926   | 24.817 | ng/u1  | 0.00     |
| 28) 2,4-Dichlorophenol-d3     | 10.093 | 165  | 677487   | 23.891 | ng/u1  | 0.00     |
| 31) 4-Chloroaniline-d4        | 10.610 | 131  | 1058822  | 25.902 | ng/u1  | 0.00     |
| 46) Dimethylphthalate-d6      | 13.745 | 166  | 2063403  | 26.764 | ng/u1  | 0.00     |
| 49) Acenaphthylene-d8         | 14.022 | 160  | 2527151  | 26.153 | ng/u1  | 0.00     |
| 54) 4-Nitrophenol-d4          | 14.522 | 143  | 366978   | 25.158 | ng/u1  | 0.00     |
| 60) Fluorene-d10              | 15.322 | 176  | 1800927  | 26.955 | ng/u1  | 0.00     |
| 65) 4,6-Dinitro-2-methylph... | 15.439 | 200  | 192212   | 18.692 | ng/u1  | 0.00     |
| 73) Anthracene-d10            | 17.169 | 188  | 2380656  | 23.644 | ng/u1  | 0.00     |
| 81) Pyrene-d10                | 19.469 | 212  | 2558201  | 27.385 | ng/u1  | 0.00     |
| 92) Benzo(a)pyrene-d12        | 24.039 | 264  | 1626364  | 26.490 | ng/u1  | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        | Qvalue |          |
| 2) 1,4-Dioxane                | 3.234  | 88   | 13763m   | 1.111  | ng/uL  |          |
| 5) Pyridine                   | 3.622  | 79   | 166228   | 5.147  | ng/u1# | 84       |
| 6) Benzaldehyde               | 6.840  | 77   | 124835m  | 6.352  | ng/u1  |          |
| 8) Phenol                     | 6.881  | 94   | 195402   | 4.955  | ng/u1  | 98       |
| 10) Bis(2-Chloroethyl)ether   | 7.122  | 93   | 165740   | 5.065  | ng/u1  | 99       |
| 12) 2-Chlorophenol            | 7.252  | 128  | 151295   | 4.879  | ng/u1  | 98       |
| 13) 2-Methylphenol            | 8.128  | 108  | 136010   | 4.604  | ng/u1  | 97       |
| 14) 2,2'-oxybis(1-Chloropr... | 8.222  | 45   | 194104   | 5.135  | ng/u1  | 97       |
| 16) Acetophenone              | 8.510  | 105  | 245665   | 5.302  | ng/u1  | 99       |
| 17) N-Nitroso-di-n-propyla... | 8.499  | 70   | 118934   | 4.997  | ng/u1  | 98       |
| 18) 4-Methylphenol            | 8.451  | 108  | 151389   | 4.822  | ng/u1  | 97       |
| 19) Hexachloroethane          | 8.763  | 117  | 63578    | 4.799  | ng/u1  | 97       |
| 22) Nitrobenzene              | 8.887  | 77   | 180270   | 4.845  | ng/u1  | 100      |
| 23) Isophorone                | 9.410  | 82   | 337675   | 4.771  | ng/u1  | 98       |
| 25) 2-Nitrophenol             | 9.593  | 139  | 73521    | 4.548  | ng/u1  | 99       |
| 26) 2,4-Dimethylphenol        | 9.651  | 107  | 95125    | 2.881  | ng/u1  | 97       |
| 27) Bis(2-Chloroethoxy)met... | 9.898  | 93   | 221067   | 4.900  | ng/u1  | 99       |
| 29) 2,4-Dichlorophenol        | 10.122 | 162  | 133191   | 4.738  | ng/u1  | 97       |
| 30) Naphthalene               | 10.522 | 128  | 512332   | 4.961  | ng/u1  | 99       |
| 32) 4-Chloroaniline           | 10.634 | 127  | 203454   | 5.101  | ng/u1  | 98       |
| 33) Hexachlorobutadiene       | 10.804 | 225  | 82982    | 4.824  | ng/u1  | 97       |
| 34) Caprolactam               | 11.416 | 113  | 43211    | 4.746  | ng/u1  | 95       |
| 35) 4-Chloro-3-methylphenol   | 11.757 | 107  | 141979   | 4.650  | ng/u1  | 98       |
| 36) 2-Methylnaphthalene       | 12.140 | 142  | 337782   | 4.998  | ng/u1  | 95       |

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 Sample : P2409-04  
 Misc : SFAM-MDL-SOIL-02  
 ALS Vial : 5 Sample Multiplier: 1

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 BNA\_N  
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 MDL-SOIL-QT2-2024-04

Quant Time: May 22 23:30:40 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_N\Methods\SFAM-EPA-BN052124.MA.M  
 Quant Title : SVOA CALIBRATION  
 QLast Update : Tue May 21 23:42:49 2024  
 Response via : Initial Calibration

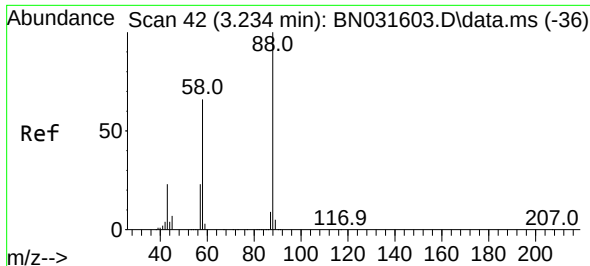
### Manual Integrations APPROVED

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 37) 1-Methylnaphthalene       | 12.363 | 142  | 343105   | 5.128 | ng/ul  | 95       |
| 39) 1,2,4,5-Tetrachloroben... | 12.510 | 216  | 163742   | 4.729 | ng/ul  | 97       |
| 40) Hexachlorocyclopentadiene | 12.487 | 237  | 91910    | 4.428 | ng/ul  | 98       |
| 41) 2,4,6-Trichlorophenol     | 12.751 | 196  | 91896    | 4.295 | ng/ul  | 91       |
| 42) 2,4,5-Trichlorophenol     | 12.816 | 196  | 97498    | 4.210 | ng/ul  | 96       |
| 43) 1,1'-Biphenyl             | 13.157 | 154  | 436041   | 4.944 | ng/ul  | 99       |
| 44) 2-Chloronaphthalene       | 13.198 | 162  | 338980   | 4.854 | ng/ul  | 98       |
| 45) 2-Nitroaniline            | 13.404 | 65   | 77560    | 4.243 | ng/ul  | 95       |
| 47) Dimethylphthalate         | 13.792 | 163  | 408222   | 5.189 | ng/ul  | 100      |
| 48) 2,6-Dinitrotoluene        | 13.910 | 165  | 62115    | 4.143 | ng/ul  | 96       |
| 50) Acenaphthylene            | 14.051 | 152  | 567422   | 5.087 | ng/ul  | 98       |
| 51) 3-Nitroaniline            | 14.234 | 138  | 71971    | 4.229 | ng/ul# | 96       |
| 52) Acenaphthene              | 14.392 | 153  | 365881   | 5.063 | ng/ul  | 92       |
| 53) 2,4-Dinitrophenol         | 14.439 | 184  | 25901    | 3.762 | ng/ul  | 94       |
| 55) 4-Nitrophenol             | 14.534 | 109  | 57803    | 5.259 | ng/ul  | 92       |
| 56) Dibenzofuran              | 14.728 | 168  | 500986   | 5.193 | ng/ul  | 100      |
| 57) 2,4-Dinitrotoluene        | 14.692 | 165  | 92464    | 4.603 | ng/ul  | 98       |
| 58) 2,3,4,6-Tetrachlorophenol | 14.951 | 232  | 76064    | 4.521 | ng/ul  | 99       |
| 59) Diethylphthalate          | 15.157 | 149  | 391219   | 5.278 | ng/ul  | 98       |
| 61) Fluorene                  | 15.381 | 166  | 407265   | 5.389 | ng/ul  | 94       |
| 62) 4-Chlorophenyl-phenyle... | 15.381 | 204  | 193901   | 5.329 | ng/ul  | 97       |
| 63) 4-Nitroaniline            | 15.392 | 138  | 70459    | 4.617 | ng/ul  | 89       |
| 66) 4,6-Dinitro-2-methylph... | 15.451 | 198  | 47512    | 4.213 | ng/ul# | 89       |
| 67) N-Nitrosodiphenylamine    | 15.592 | 169  | 322767   | 4.610 | ng/ul  | 97       |
| 68) 4-Bromophenyl-phenylether | 16.269 | 248  | 107258   | 4.479 | ng/ul  | 96       |
| 69) Hexachlorobenzene         | 16.375 | 284  | 119037   | 4.606 | ng/ul  | 95       |
| 70) Atrazine                  | 16.539 | 200  | 100033   | 5.308 | ng/ul  | 98       |
| 71) Pentachlorophenol         | 16.722 | 266  | 60896    | 4.131 | ng/ul  | 94       |
| 72) Phenanthrene              | 17.116 | 178  | 601470   | 4.983 | ng/ul  | 100      |
| 74) Anthracene                | 17.204 | 178  | 549583   | 4.538 | ng/ul  | 99       |
| 75) 1,2,3,4-Tetrachloroben... | 13.122 | 216  | 157916   | 4.176 | ng/uL  | 98       |
| 76) Pentachlorobenzene        | 14.645 | 250  | 159810   | 4.668 | ng/uL  | 92       |
| 77) Carbazole                 | 17.475 | 167  | 503376   | 4.871 | ng/ul  | 99       |
| 78) Di-n-butylphthalate       | 18.051 | 149  | 536366   | 4.520 | ng/ul  | 99       |
| 80) Fluoranthene              | 19.133 | 202  | 588694   | 5.098 | ng/ul  | 99       |
| 82) Pyrene                    | 19.498 | 202  | 607262   | 5.128 | ng/ul  | 99       |
| 83) Butylbenzylphthalate      | 20.410 | 149  | 165718   | 4.124 | ng/ul  | 100      |
| 84) 3,3'-Dichlorobenzidine    | 21.216 | 252  | 98294    | 3.433 | ng/ul  | 94       |
| 85) Benzo(a)anthracene        | 21.286 | 228  | 479641   | 4.789 | ng/ul  | 97       |
| 86) Bis(2-ethylhexyl)phtha... | 21.227 | 149  | 225818   | 4.104 | ng/ul  | 99       |
| 87) Chrysene                  | 21.345 | 228  | 461710   | 4.991 | ng/ul  | 99       |
| 89) Di-n-octyl phthalate      | 22.339 | 149  | 272282   | 3.652 | ng/ul  | 100      |
| 90) Benzo(b)fluoranthene      | 23.310 | 252  | 363818   | 4.780 | ng/ul  | 96       |
| 91) Benzo(k)fluoranthene      | 23.368 | 252  | 368226   | 4.746 | ng/ul  | 98       |
| 93) Benzo(a)pyrene            | 24.098 | 252  | 344505   | 4.712 | ng/ul  | 97       |
| 94) Indeno(1,2,3-cd)pyrene    | 27.533 | 276  | 368835   | 4.203 | ng/ul  | 95       |
| 95) Dibenzo(a,h)anthracene    | 27.598 | 278  | 303370   | 4.198 | ng/ul  | 99       |
| 96) Benzo(g,h,i)perylene      | 28.562 | 276  | 320047   | 4.415 | ng/ul  | 98       |

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





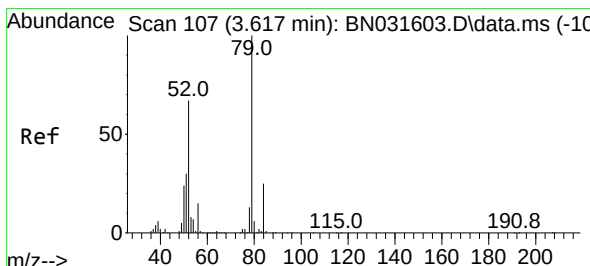
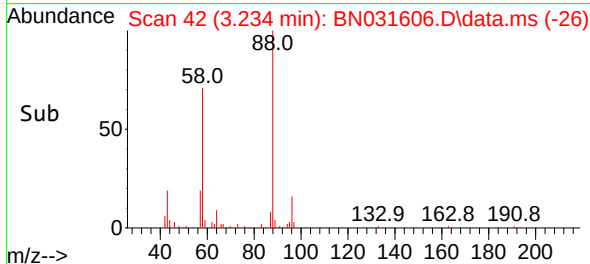
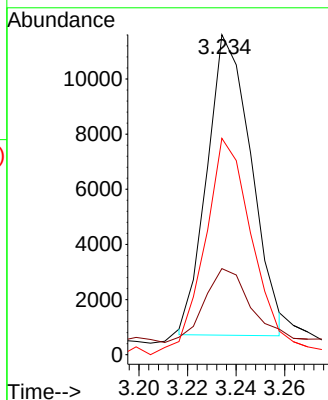
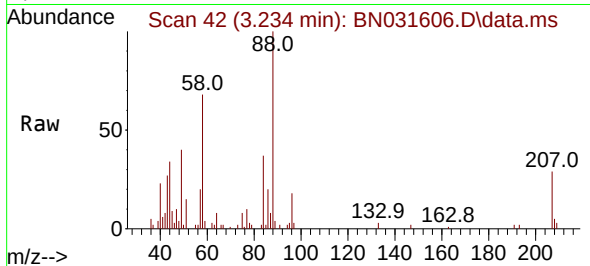
#2  
1,4-Dioxane  
Concen: 1.111 ng/uL m  
RT: 3.234 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04

Tgt Ion: 88 Resp: 1376  
Ion Ratio Lower Upper  
88 100  
43 26.9 18.3 27.5  
58 67.6 55.5 83.3

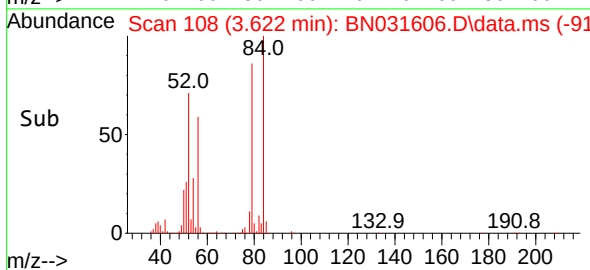
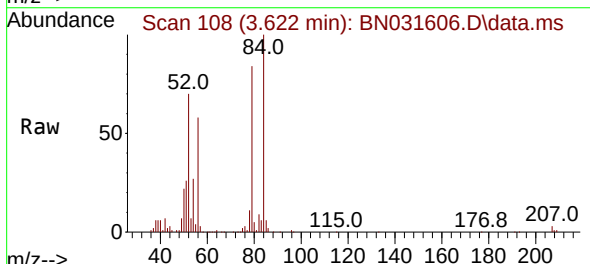
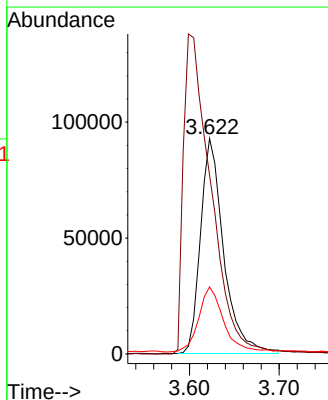
Manual Integrations  
APPROVED

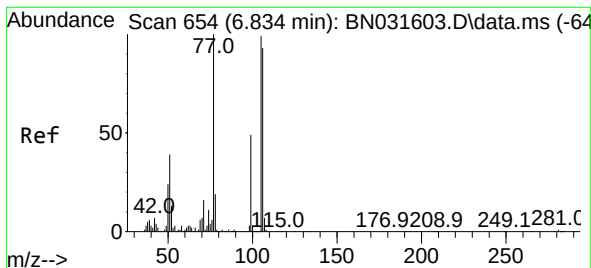
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#5  
Pyridine  
Concen: 5.147 ng/uL  
RT: 3.622 min Scan# 108  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion: 79 Resp: 166228  
Ion Ratio Lower Upper  
79 100  
52 83.0 52.3 78.5#  
51 31.1 24.4 36.6





#6

Benzaldehyde

Concen: 6.352 ng/ul m

RT: 6.840 min Scan# 6

Delta R.T. -0.000 min

Lab File: BN031606.D

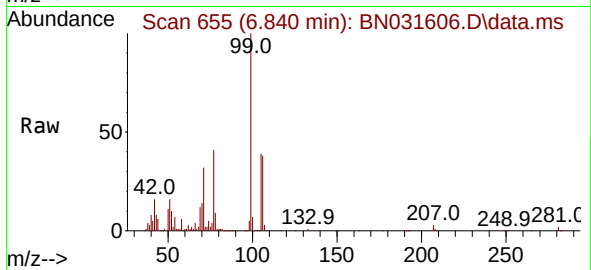
Acq: 22 May 2024 14:33

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT2-2024-04



Tgt Ion: 77 Resp: 12483

Ion Ratio Lower Upper

77 100

105 93.6 82.1 123.1

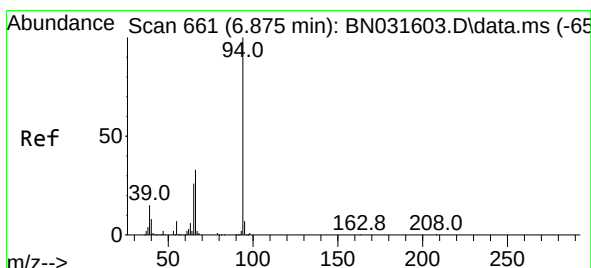
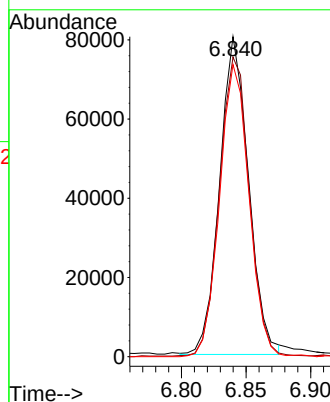
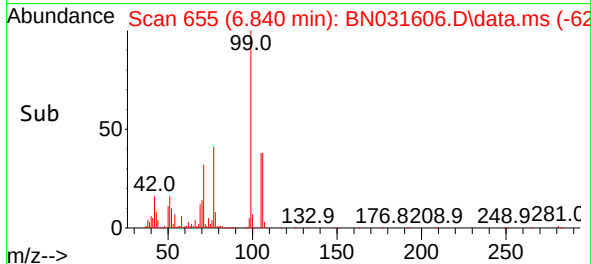
106 91.3 75.5 113.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024



#8

Phenol

Concen: 4.955 ng/ul

RT: 6.881 min Scan# 662

Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

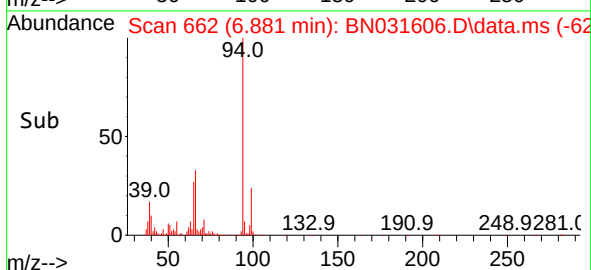
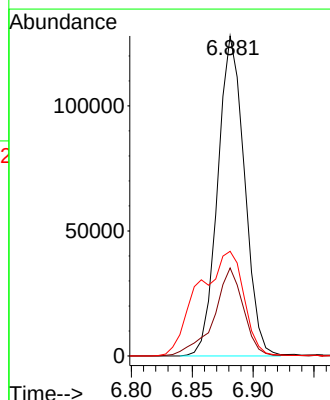
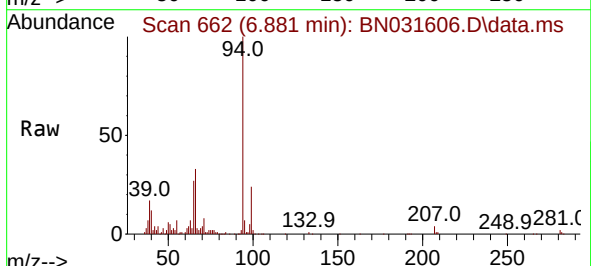
Tgt Ion: 94 Resp: 195402

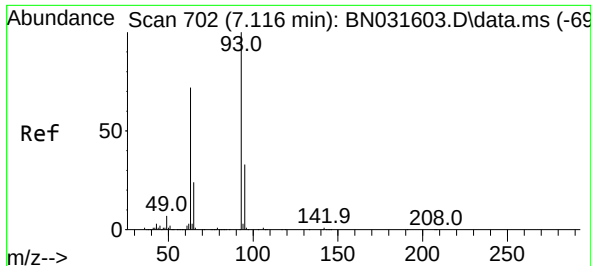
Ion Ratio Lower Upper

94 100

65 27.5 20.8 31.2

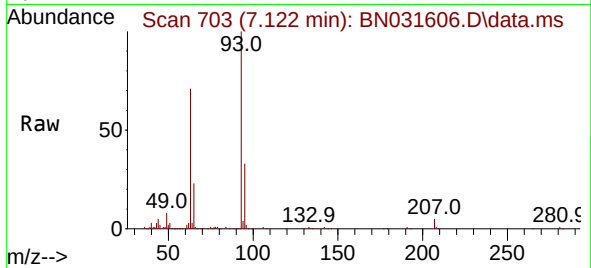
66 32.7 26.7 40.1





#10  
Bis(2-Chloroethyl)ether  
Concen: 5.065 ng/ul  
RT: 7.122 min Scan# 702  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

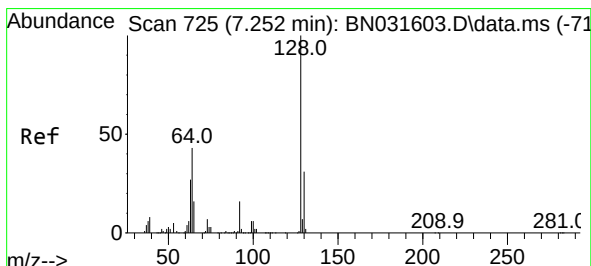
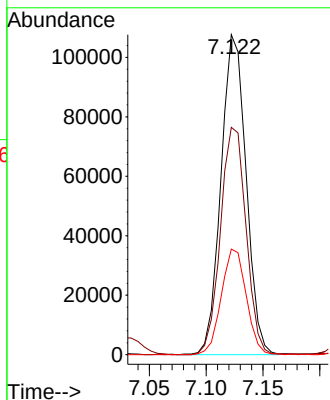
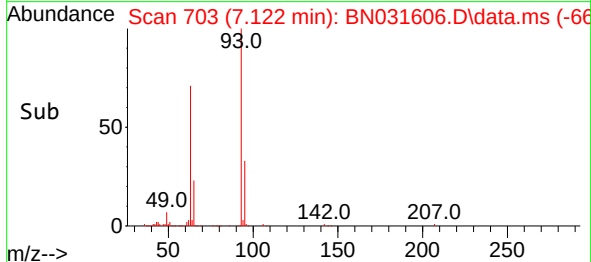
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



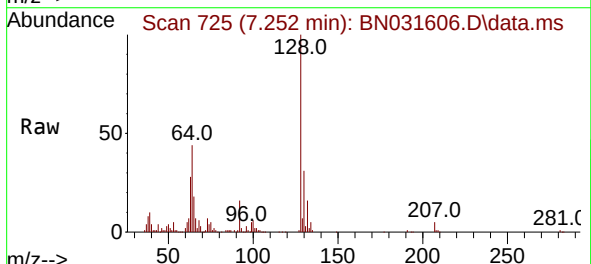
Tgt Ion: 93 Resp: 165740  
Ion Ratio Lower Upper  
93 100  
63 71.1 56.3 84.5  
95 33.0 25.2 37.8

Manual Integrations  
APPROVED

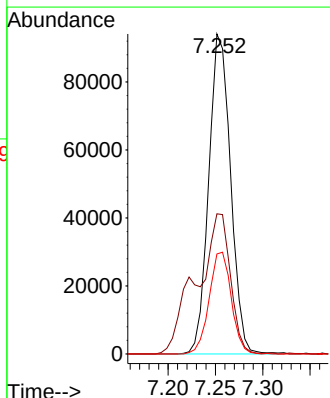
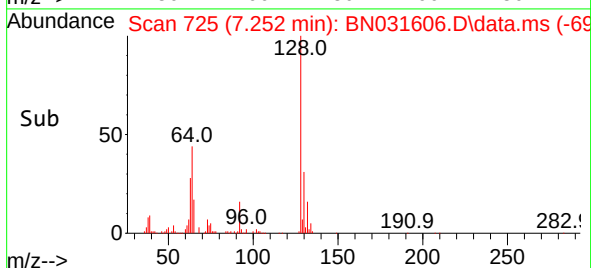
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024

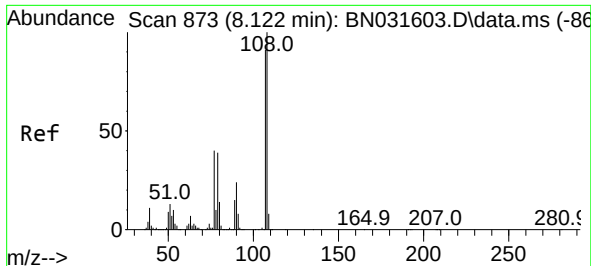


#12  
2-Chlorophenol  
Concen: 4.879 ng/ul  
RT: 7.252 min Scan# 725  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33



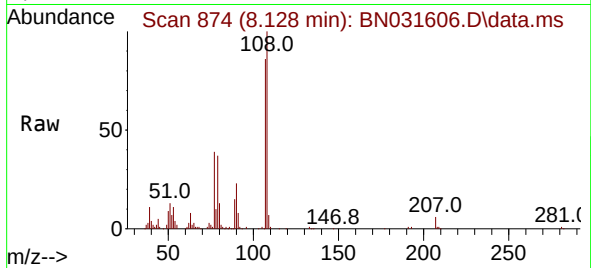
Tgt Ion:128 Resp: 151295  
Ion Ratio Lower Upper  
128 100  
64 43.8 36.1 54.1  
130 31.3 26.0 39.0





#13  
2-Methylphenol  
Concen: 4.604 ng/ul  
RT: 8.128 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

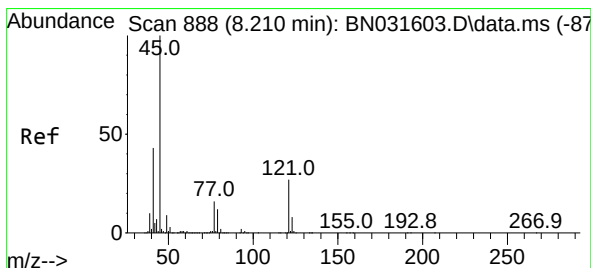
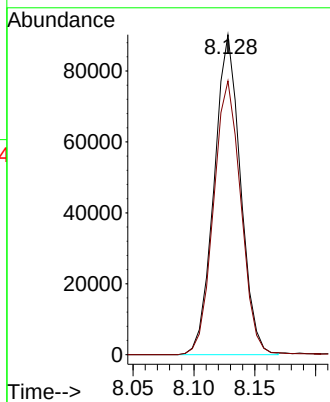
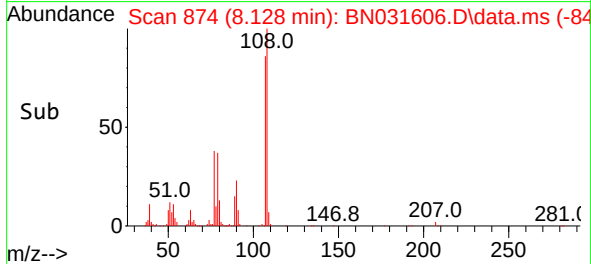
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



Tgt Ion:108 Resp: 136010  
Ion Ratio Lower Upper  
108 100  
107 85.6 71.0 106.6

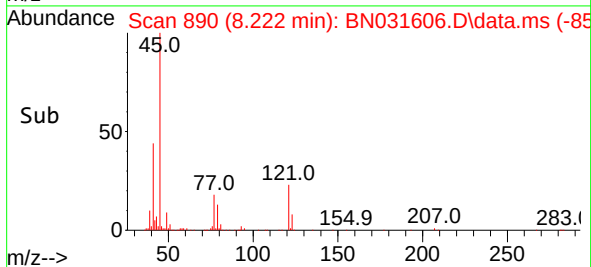
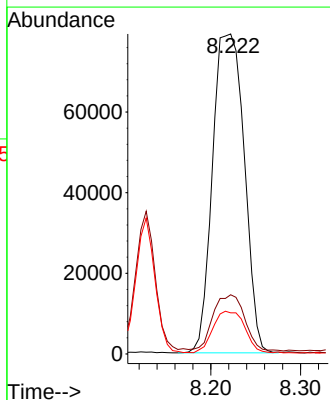
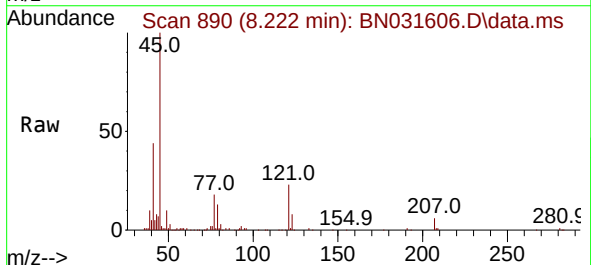
Manual Integrations  
APPROVED

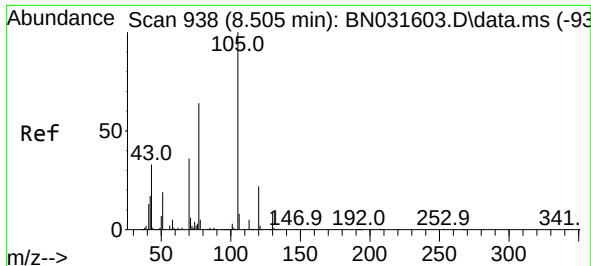
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#14  
2,2'-oxybis(1-Chloropropane)  
Concen: 5.135 ng/ul  
RT: 8.222 min Scan# 890  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

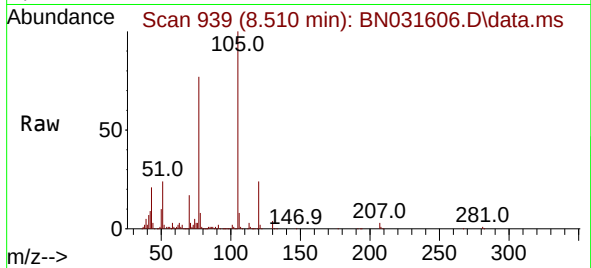
Tgt Ion: 45 Resp: 194104  
Ion Ratio Lower Upper  
45 100  
77 18.5 13.2 19.8  
79 12.9 10.6 16.0





#16  
Acetophenone  
Concen: 5.302 ng/ul  
RT: 8.510 min Scan# 910  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

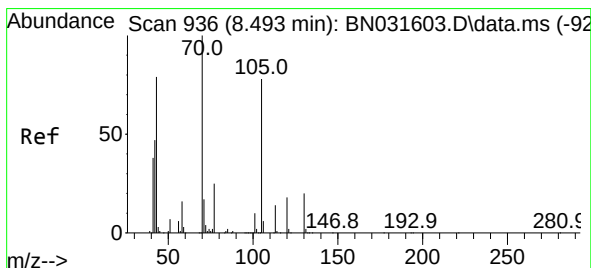
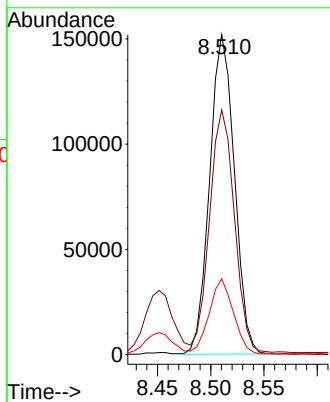
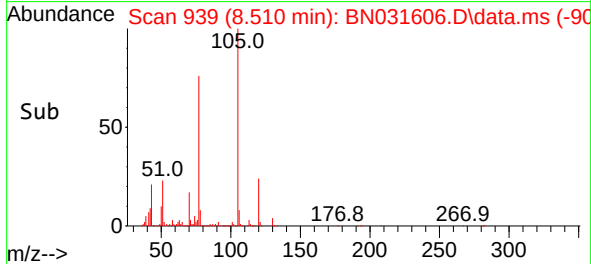
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



Tgt Ion:105 Resp: 24566  
Ion Ratio Lower Upper  
105 100  
77 76.5 60.7 91.1  
51 23.7 18.6 28.0

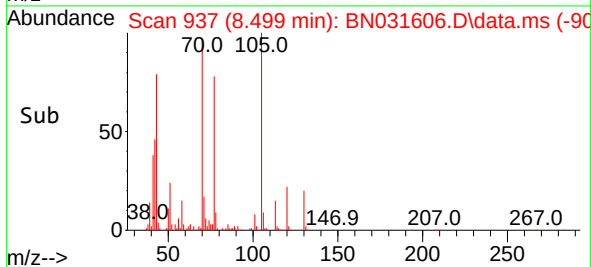
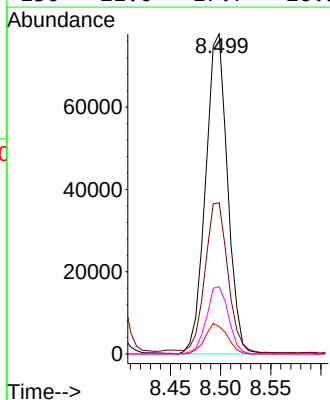
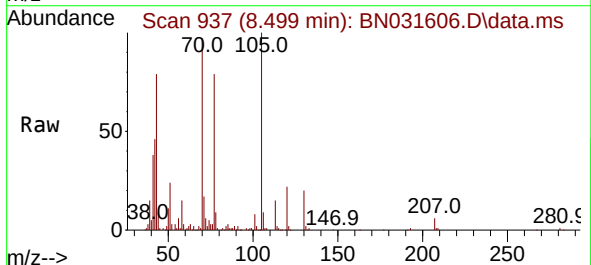
Manual Integrations  
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Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024

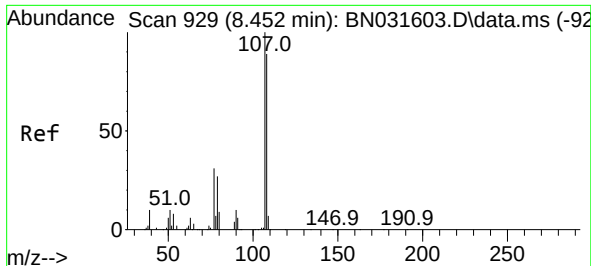


#17  
N-Nitroso-di-n-propylamine  
Concen: 4.997 ng/ul  
RT: 8.499 min Scan# 937  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion: 70 Resp: 118934  
Ion Ratio Lower Upper  
70 100  
42 47.3 38.2 57.4  
101 8.5 8.1 12.1  
130 21.0 17.7 26.5







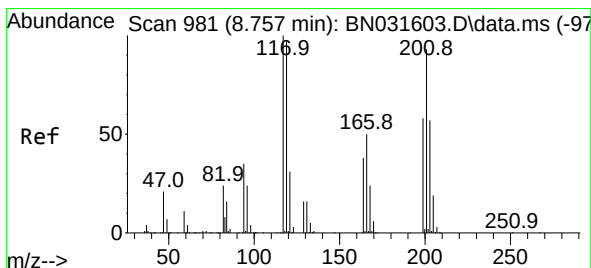
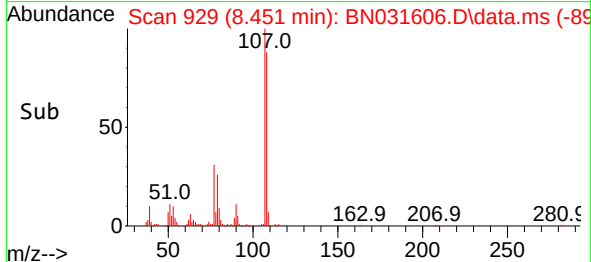
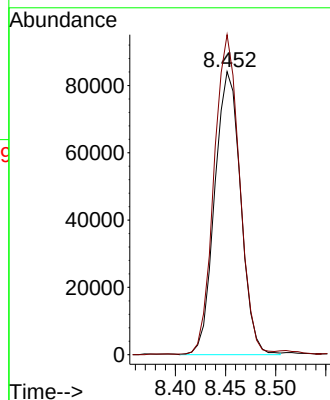
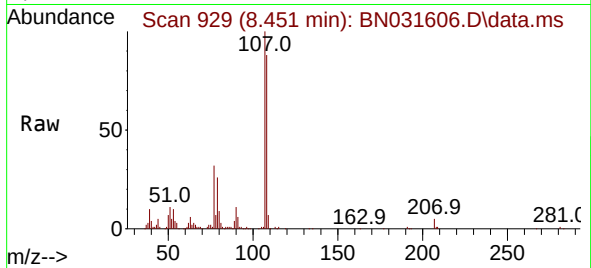
#18  
4-Methylphenol  
Concen: 4.822 ng/ul  
RT: 8.451 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04

Tgt Ion:108 Resp: 151389  
Ion Ratio Lower Upper  
108 100  
107 113.0 87.6 131.4

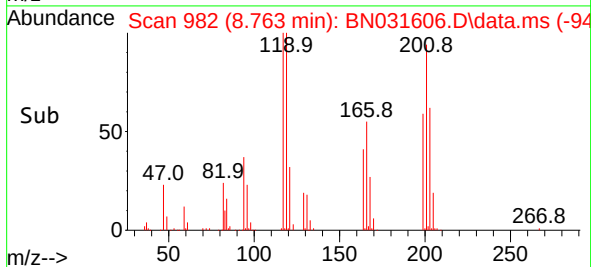
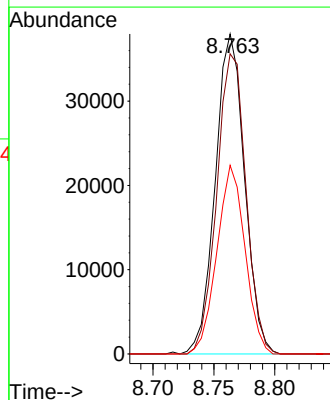
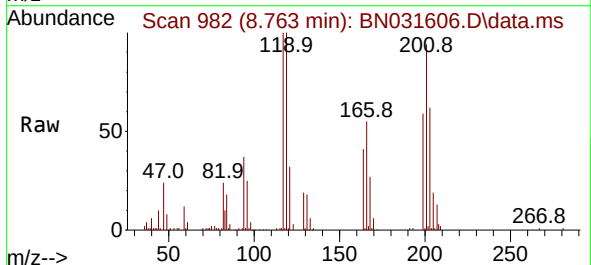
Manual Integrations  
APPROVED

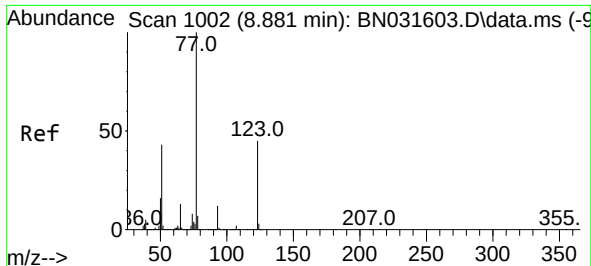
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#19  
Hexachloroethane  
Concen: 4.799 ng/ul  
RT: 8.763 min Scan# 982  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

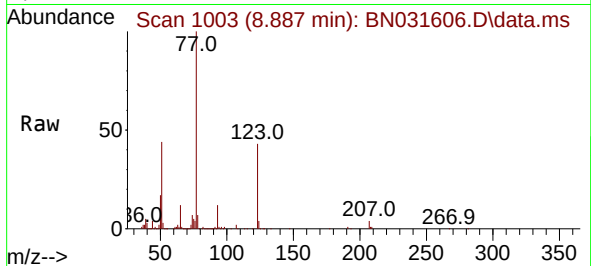
Tgt Ion:117 Resp: 63578  
Ion Ratio Lower Upper  
117 100  
201 93.8 72.6 109.0  
199 59.0 45.6 68.4





#22  
Nitrobenzene  
Concen: 4.845 ng/ul  
RT: 8.887 min Scan# 1002  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

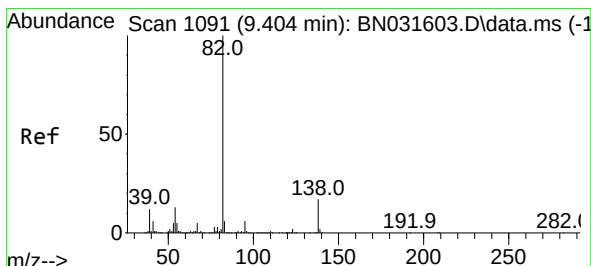
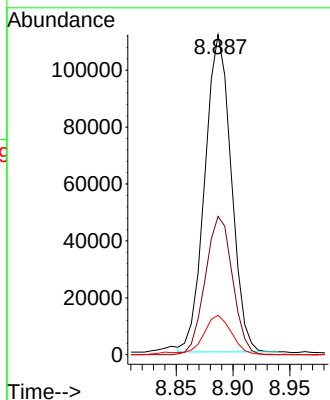
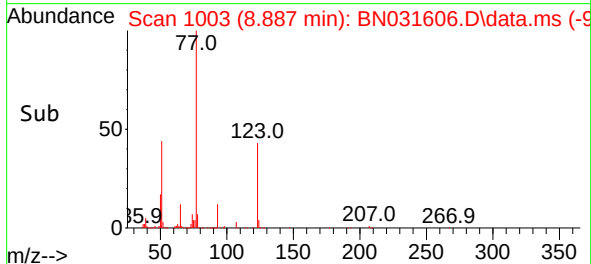
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



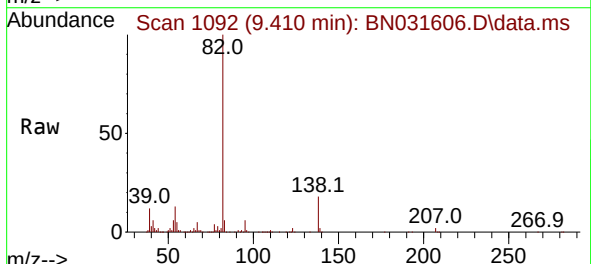
Tgt Ion: 77 Resp: 180270  
Ion Ratio Lower Upper  
77 100  
123 43.2 34.7 52.1  
65 12.3 10.1 15.1

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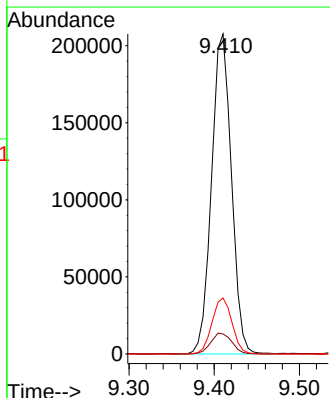
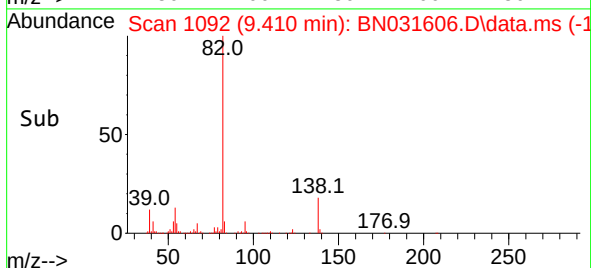
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024

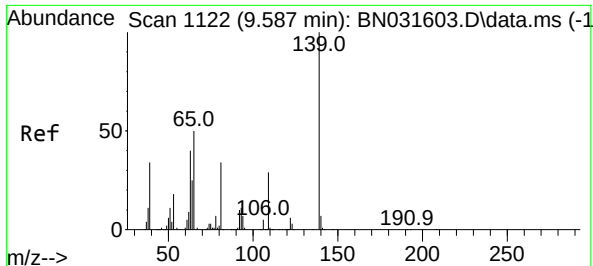


#23  
Isophorone  
Concen: 4.771 ng/ul  
RT: 9.410 min Scan# 1092  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33



Tgt Ion: 82 Resp: 337675  
Ion Ratio Lower Upper  
82 100  
95 6.2 5.4 8.2  
138 17.5 13.4 20.2





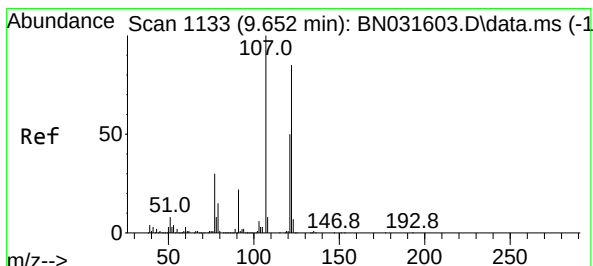
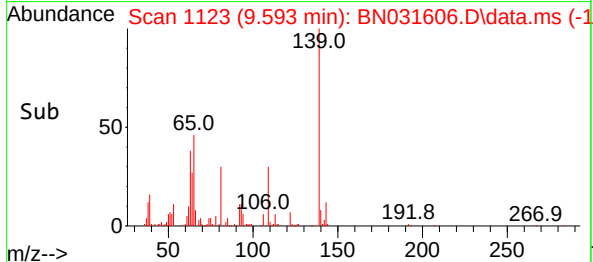
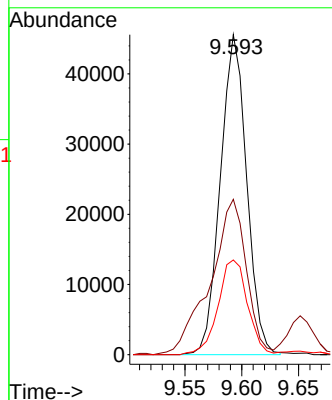
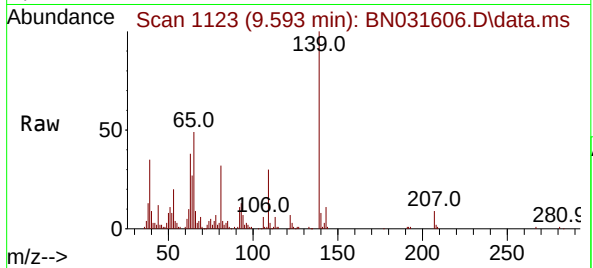
#25  
2-Nitrophenol  
Concen: 4.548 ng/ul  
RT: 9.593 min Scan# 1122  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04

Tgt Ion:139 Resp: 7352  
Ion Ratio Lower Upper  
139 100  
65 48.6 38.6 58.0  
109 29.6 23.2 34.8

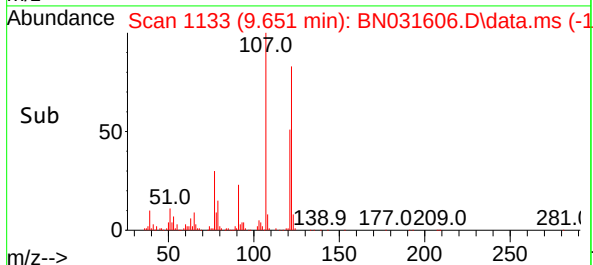
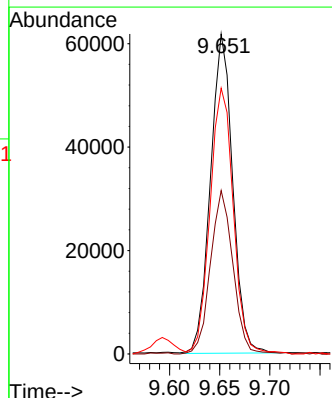
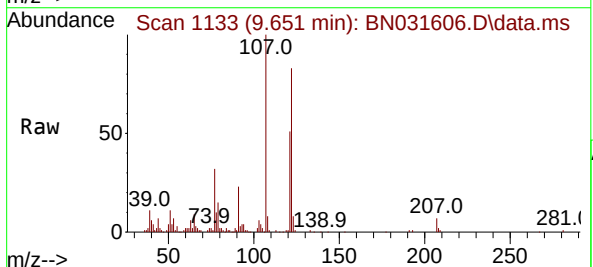
Manual Integrations  
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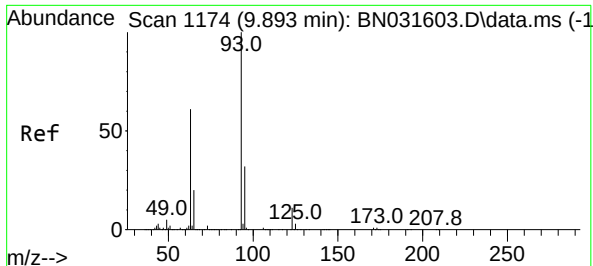
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#26  
2,4-Dimethylphenol  
Concen: 2.881 ng/ul  
RT: 9.651 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion:107 Resp: 95125  
Ion Ratio Lower Upper  
107 100  
121 51.1 40.9 61.3  
122 83.0 69.5 104.3





#27

Bis(2-Chloroethoxy)methane

Concen: 4.900 ng/ul

RT: 9.898 min Scan# 1175

Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT2-2024-04

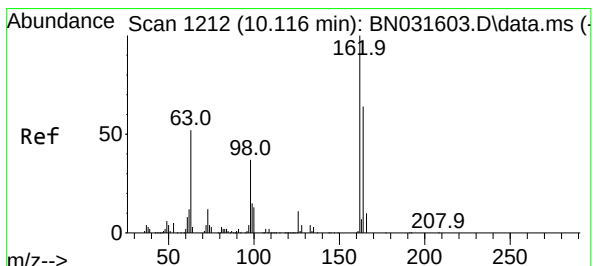
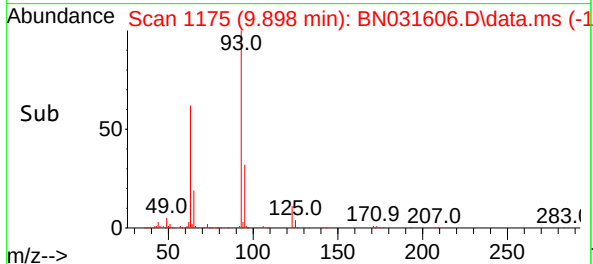
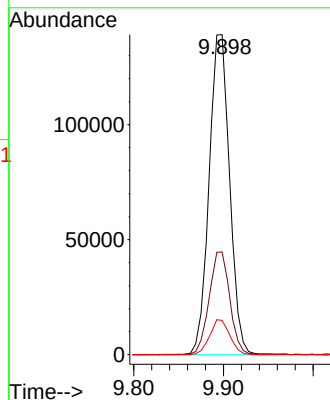
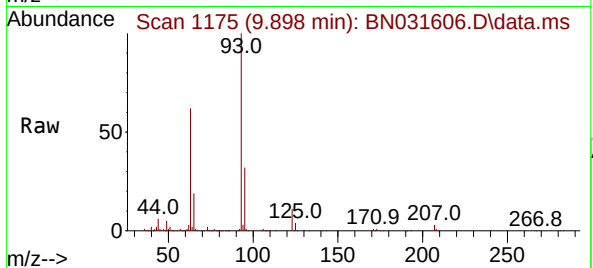
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 93    | Resp: | 22106 |
| Ion Ratio | Lower | Upper |       |
| 93        | 100   |       |       |
| 95        | 32.1  | 26.2  | 39.2  |
| 123       | 10.7  | 9.1   | 13.7  |

Manual Integrations

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Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024



#29

2,4-Dichlorophenol

Concen: 4.738 ng/ul

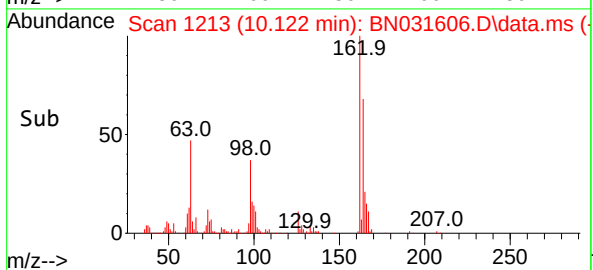
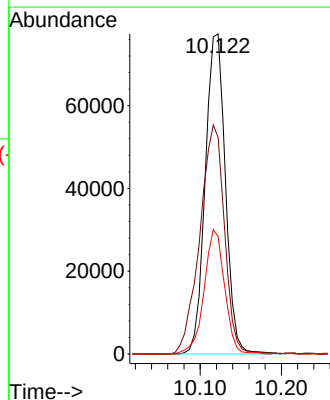
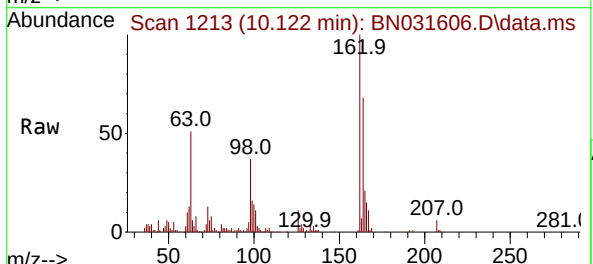
RT: 10.122 min Scan# 1213

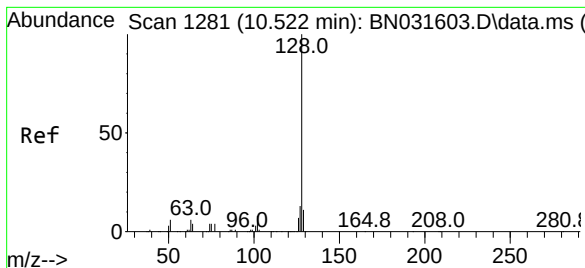
Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

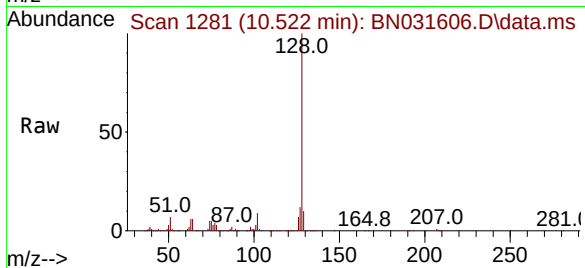
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 162   | Resp: | 133191 |
| Ion Ratio | Lower | Upper |        |
| 162       | 100   |       |        |
| 164       | 67.7  | 51.2  | 76.8   |
| 98        | 36.6  | 29.0  | 43.4   |





#30  
Naphthalene  
Concen: 4.961 ng/ul  
RT: 10.522 min Scan# 1281  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

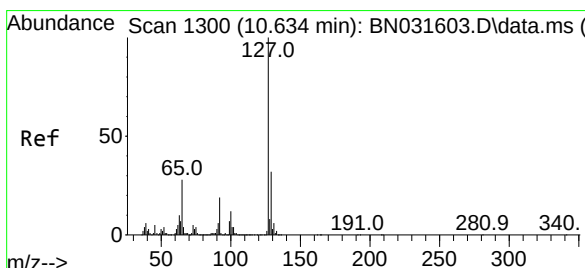
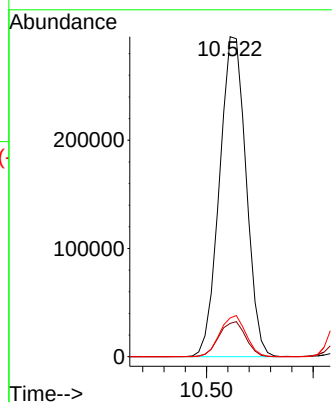
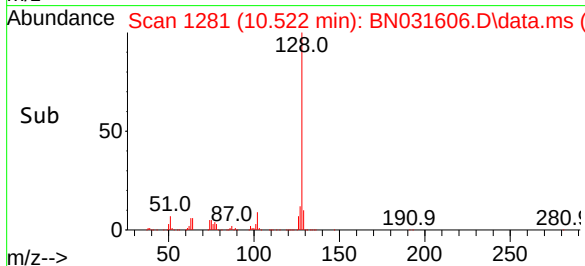
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:128 Resp: 51233  
Ion Ratio Lower Upper  
128 100  
129 10.4 8.8 13.2  
127 12.1 10.2 15.2

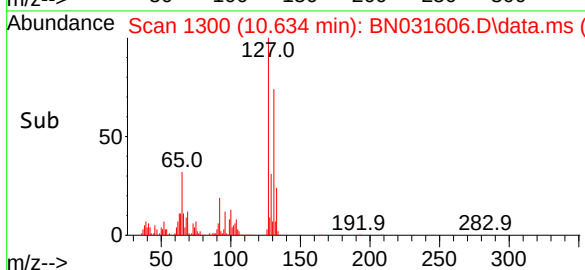
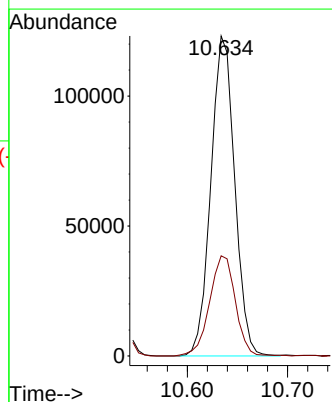
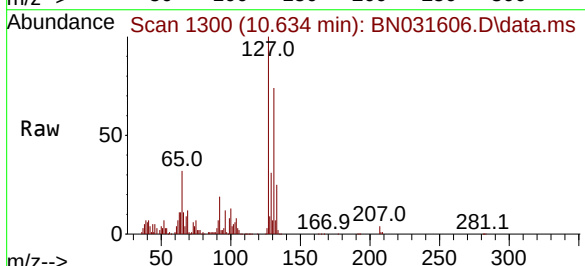
Manual Integrations  
APPROVED

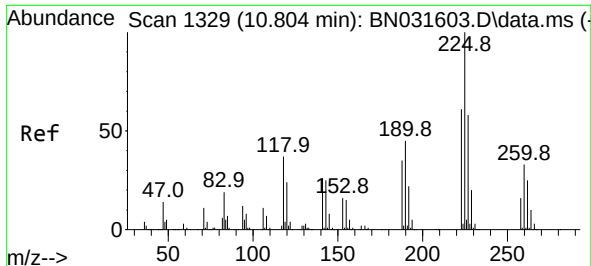
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#32  
4-Chloroaniline  
Concen: 5.101 ng/ul  
RT: 10.634 min Scan# 1300  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

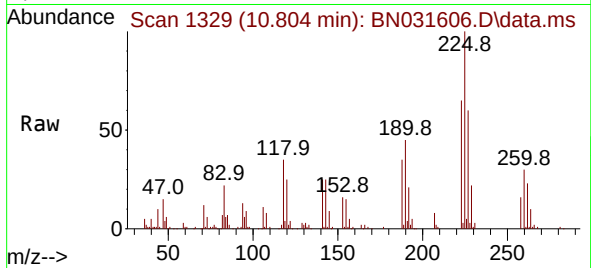
Tgt Ion:127 Resp: 203454  
Ion Ratio Lower Upper  
127 100  
129 31.3 25.8 38.6





#33  
Hexachlorobutadiene  
Concen: 4.824 ng/ul  
RT: 10.804 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

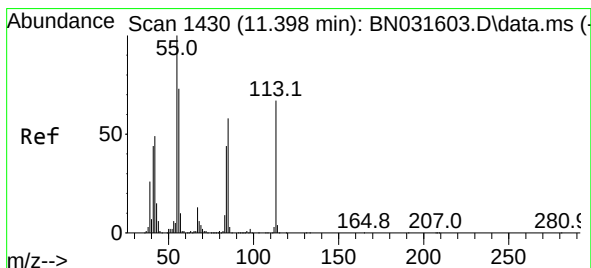
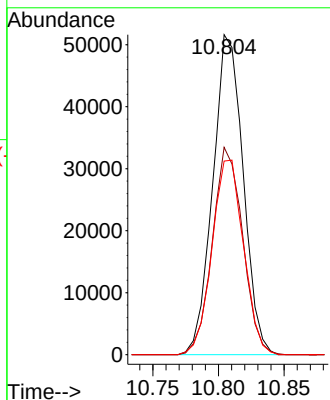
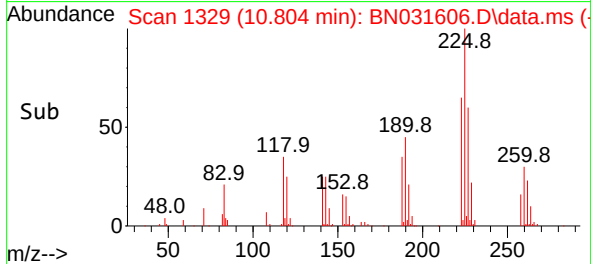
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



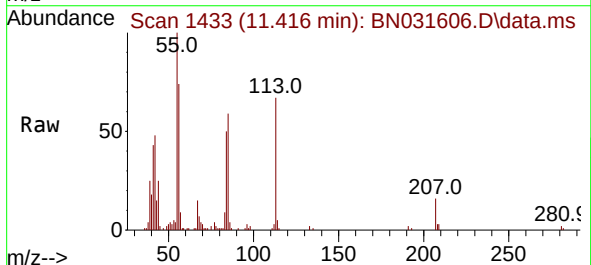
Tgt Ion:225 Resp: 8298  
Ion Ratio Lower Upper  
225 100  
223 64.8 49.5 74.3  
227 60.5 50.2 75.2

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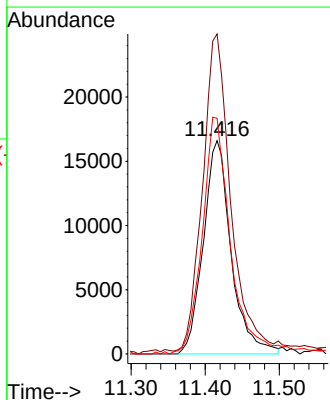
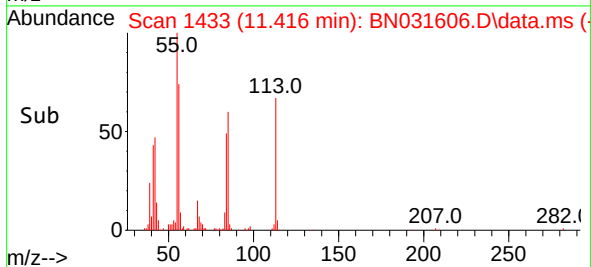
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024

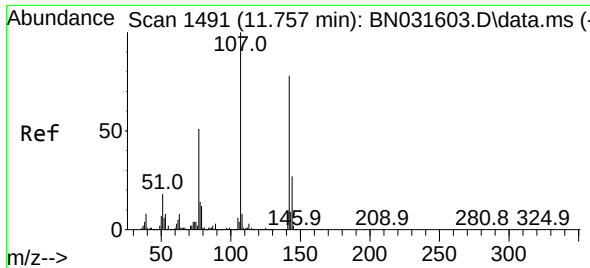


#34  
Caprolactam  
Concen: 4.746 ng/ul  
RT: 11.416 min Scan# 1433  
Delta R.T. 0.012 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33



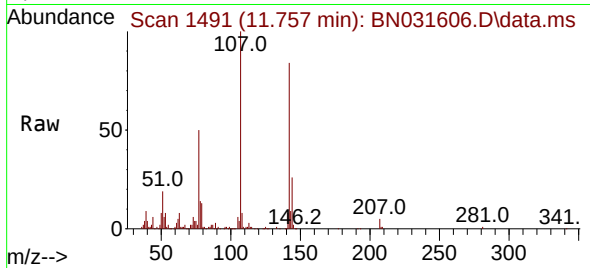
Tgt Ion:113 Resp: 43211  
Ion Ratio Lower Upper  
113 100  
55 150.0 114.6 172.0  
56 110.5 84.3 126.5





#35  
4-Chloro-3-methylphenol  
Concen: 4.650 ng/ul  
RT: 11.757 min Scan# 1491  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

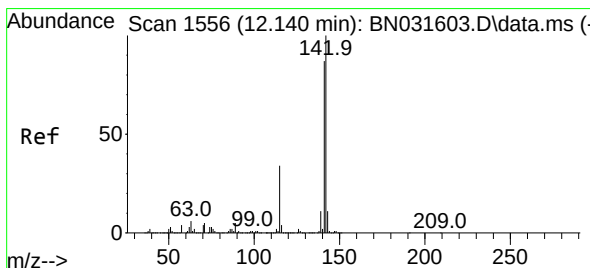
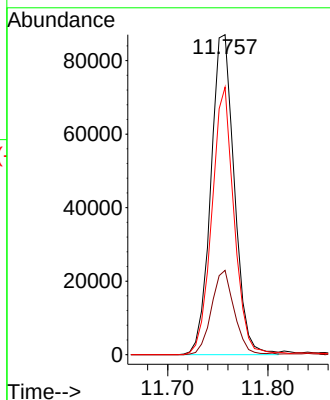
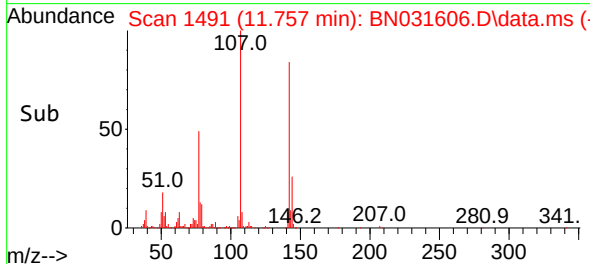
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:107 Resp: 141979  
Ion Ratio Lower Upper  
107 100  
144 26.3 21.4 32.0  
142 83.6 65.0 97.6

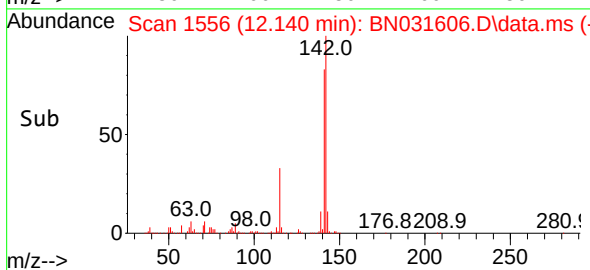
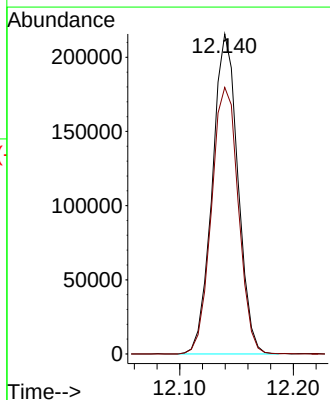
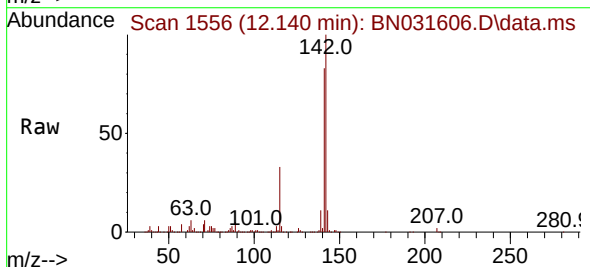
Manual Integrations  
APPROVED

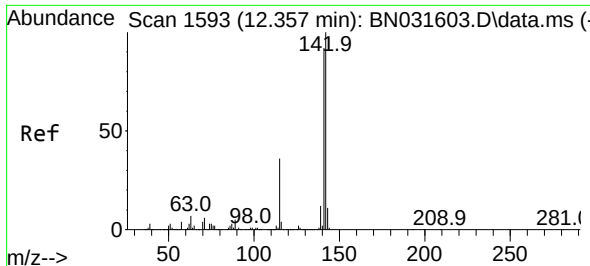
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#36  
2-Methylnaphthalene  
Concen: 4.998 ng/ul  
RT: 12.140 min Scan# 1556  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

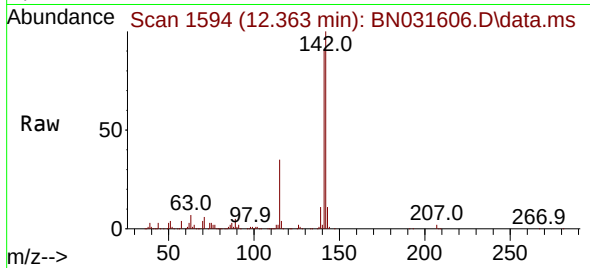
Tgt Ion:142 Resp: 337782  
Ion Ratio Lower Upper  
142 100  
141 83.3 70.5 105.7





#37  
1-Methylnaphthalene  
Concen: 5.128 ng/ul  
RT: 12.363 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

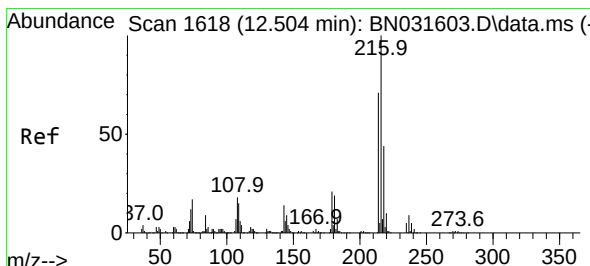
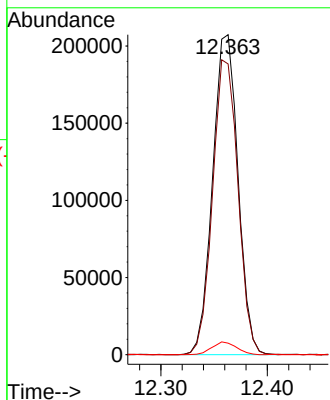
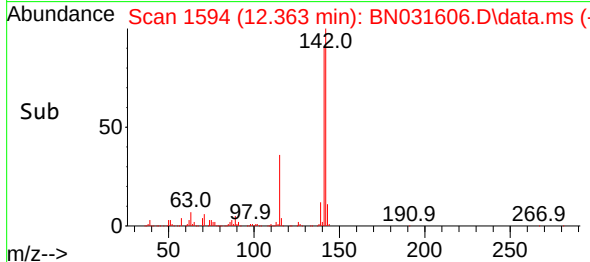
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:142 Resp: 34310  
Ion Ratio Lower Upper  
142 100  
141 90.9 77.0 115.6  
116 3.6 3.0 4.6

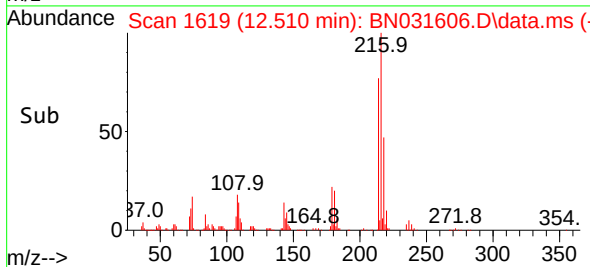
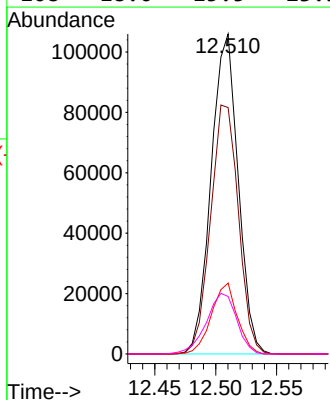
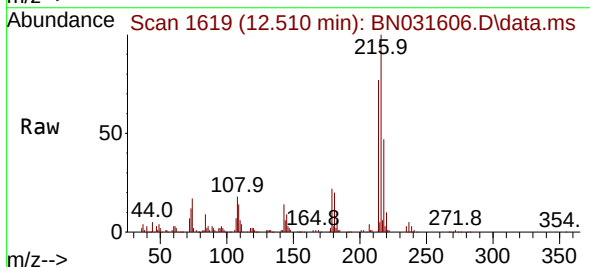
Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024

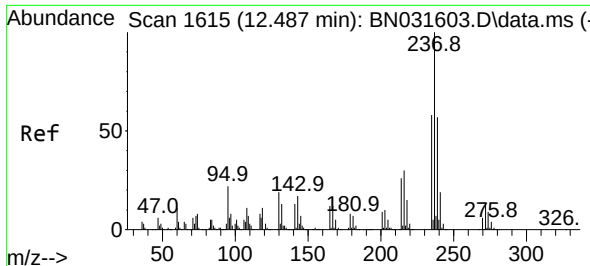


#39  
1,2,4,5-Tetrachlorobenzene  
Concen: 4.729 ng/ul  
RT: 12.510 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion:216 Resp: 163742  
Ion Ratio Lower Upper  
216 100  
214 77.0 64.0 96.0  
179 22.1 16.8 25.2  
108 18.0 15.5 23.3

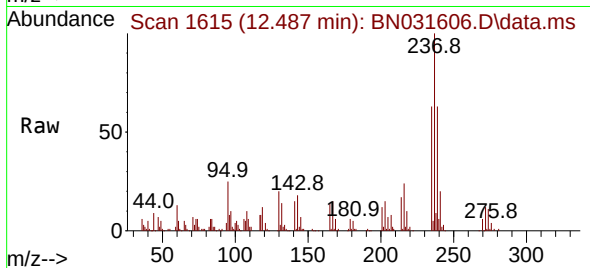






#40  
Hexachlorocyclopentadiene  
Concen: 4.428 ng/ul  
RT: 12.487 min Scan# 1615  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

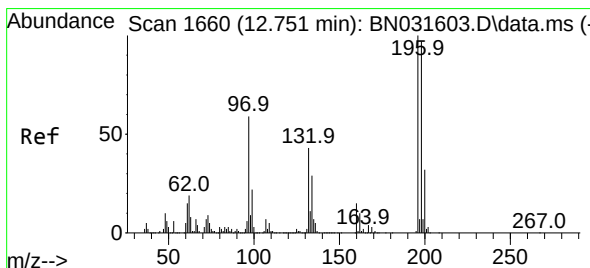
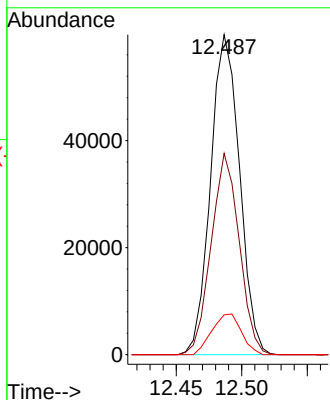
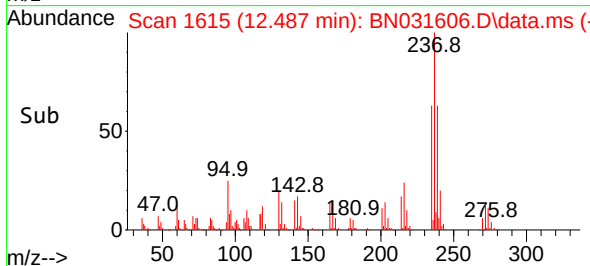
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:237 Resp: 91910  
Ion Ratio Lower Upper  
237 100  
235 62.9 51.3 76.9  
272 13.2 10.1 15.1

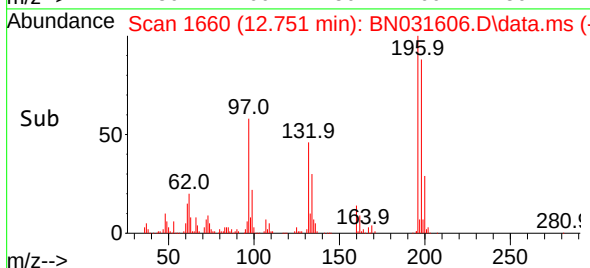
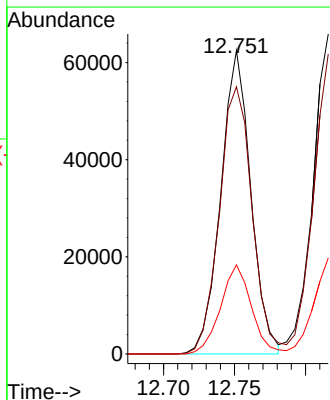
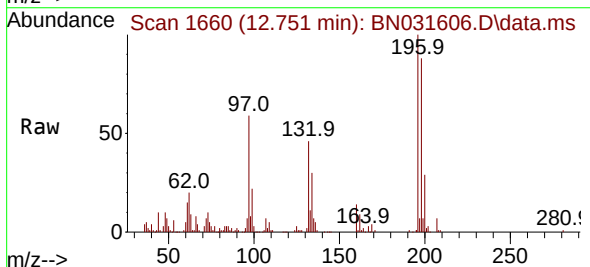
Manual Integrations  
APPROVED

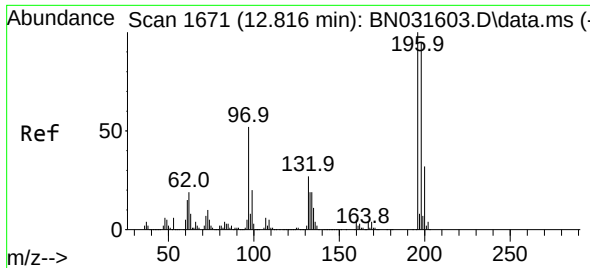
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#41  
2,4,6-Trichlorophenol  
Concen: 4.295 ng/ul  
RT: 12.751 min Scan# 1660  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

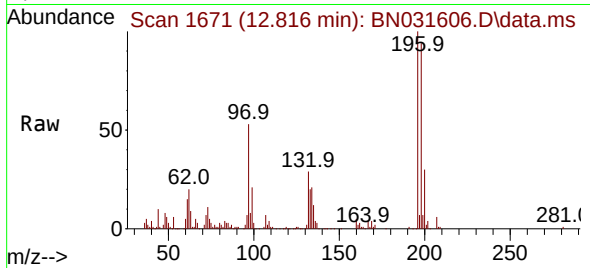
Tgt Ion:196 Resp: 91896  
Ion Ratio Lower Upper  
196 100  
198 88.0 79.4 119.2  
200 29.4 24.0 36.0





#42  
2,4,5-Trichlorophenol  
Concen: 4.210 ng/ul  
RT: 12.816 min Scan# 1671  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

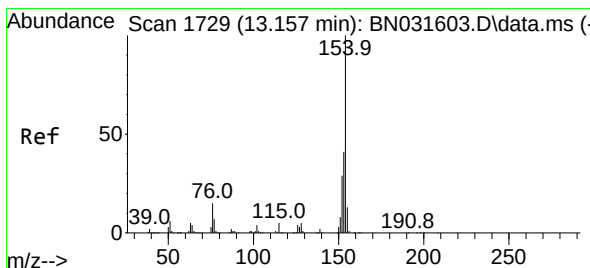
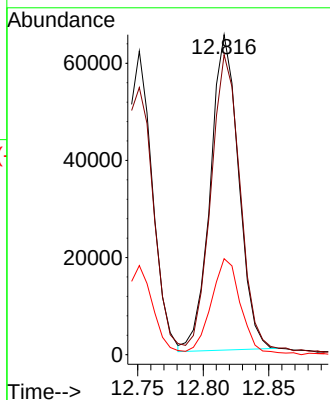
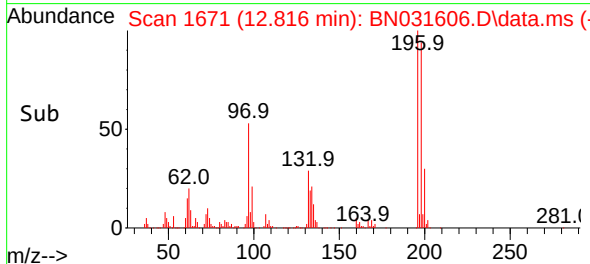
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



Tgt Ion:196 Resp: 97498  
Ion Ratio Lower Upper  
196 100  
198 93.8 71.9 107.9  
200 30.0 23.2 34.8

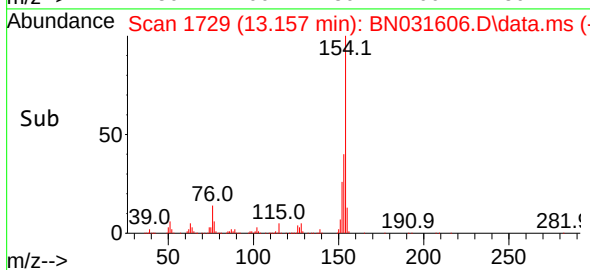
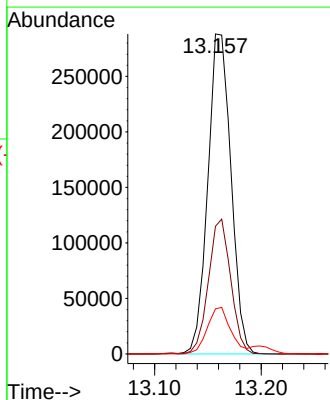
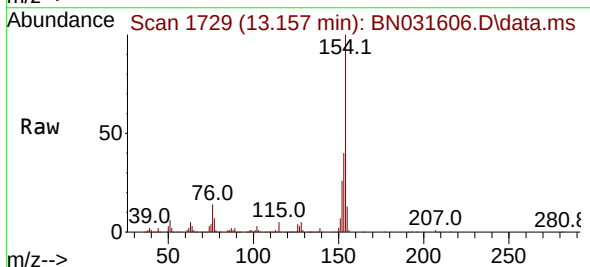
Manual Integrations  
APPROVED

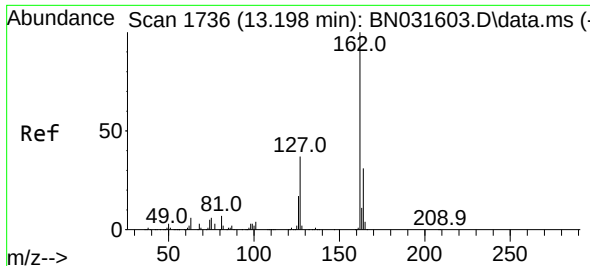
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#43  
1,1'-Biphenyl  
Concen: 4.944 ng/ul  
RT: 13.157 min Scan# 1729  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

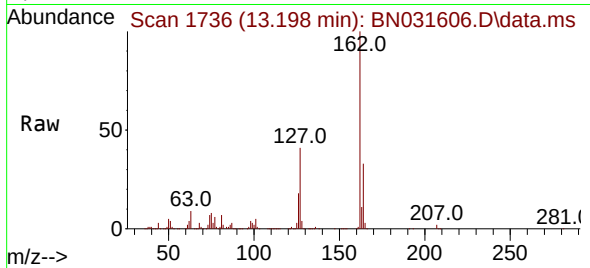
Tgt Ion:154 Resp: 436041  
Ion Ratio Lower Upper  
154 100  
153 39.9 32.6 48.8  
76 14.1 11.3 16.9





#44  
2-Chloronaphthalene  
Concen: 4.854 ng/ul  
RT: 13.198 min Scan# 1736  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

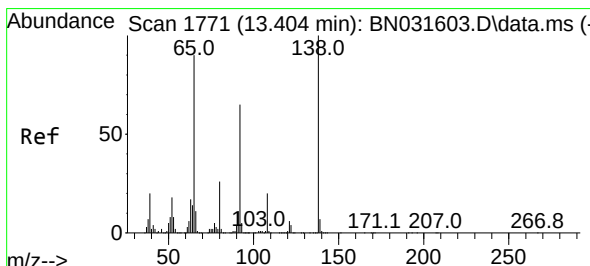
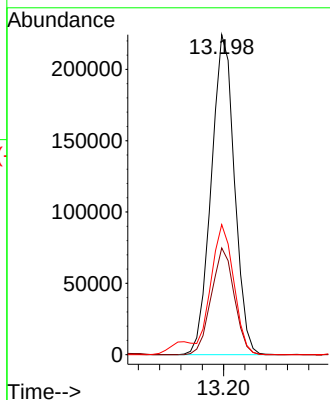
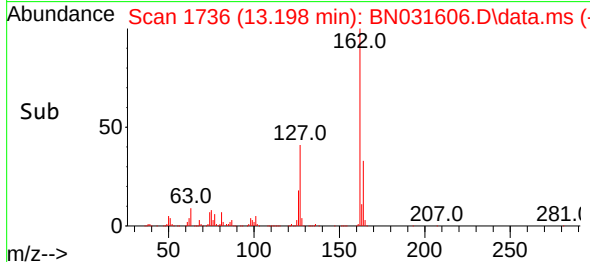
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:162 Resp: 338980  
Ion Ratio Lower Upper  
162 100  
164 33.4 26.6 39.8  
127 40.7 30.8 46.2

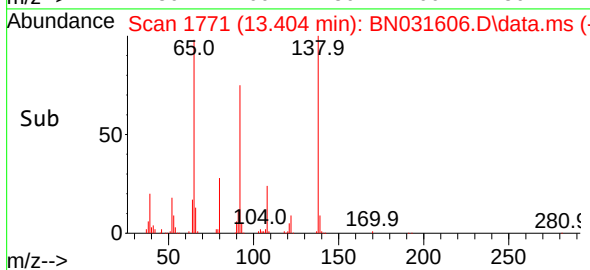
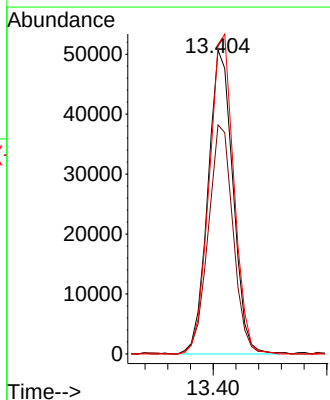
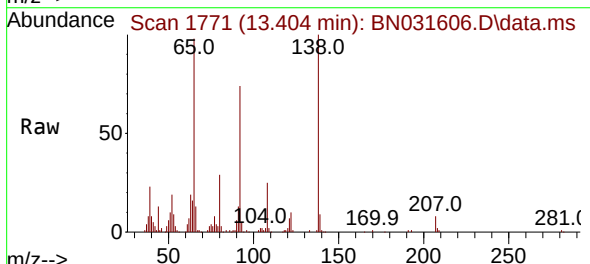
Manual Integrations  
APPROVED

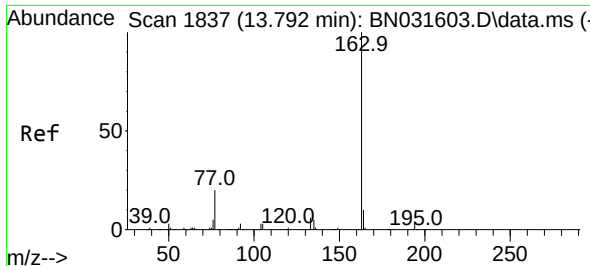
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#45  
2-Nitroaniline  
Concen: 4.243 ng/ul  
RT: 13.404 min Scan# 1771  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

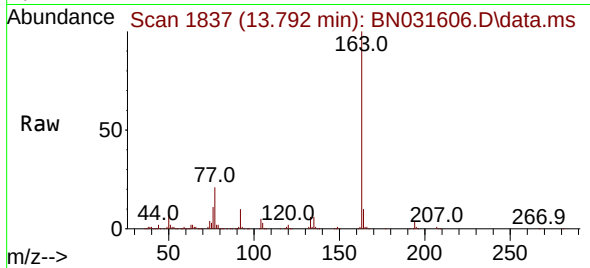
Tgt Ion: 65 Resp: 77560  
Ion Ratio Lower Upper  
65 100  
92 75.4 60.2 90.4  
138 101.6 88.6 132.8





#47  
Dimethylphthalate  
Concen: 5.189 ng/ul  
RT: 13.792 min Scan# 1837  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

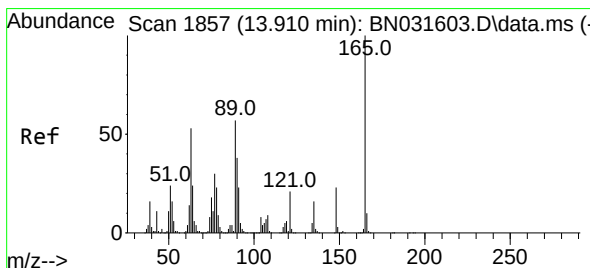
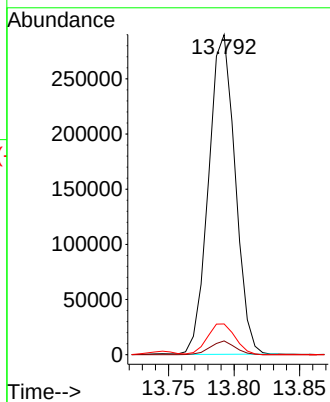
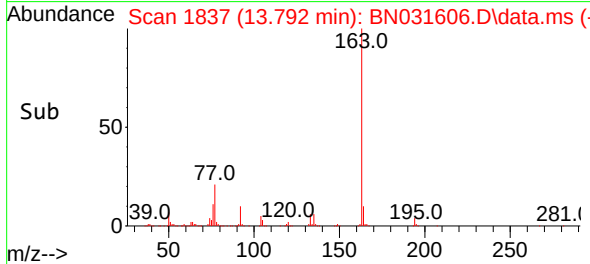
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:163 Resp: 40822  
Ion Ratio Lower Upper  
163 100  
194 4.3 3.2 4.8  
164 9.6 7.8 11.6

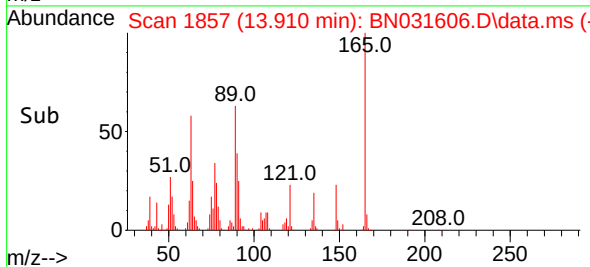
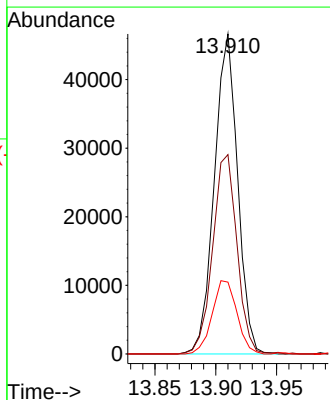
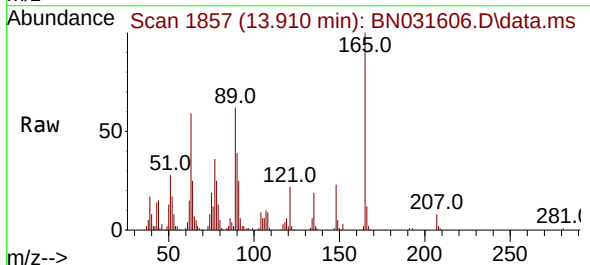
Manual Integrations  
APPROVED

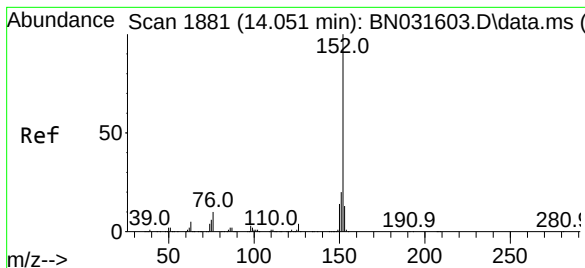
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#48  
2,6-Dinitrotoluene  
Concen: 4.143 ng/ul  
RT: 13.910 min Scan# 1857  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion:165 Resp: 62115  
Ion Ratio Lower Upper  
165 100  
89 62.3 47.0 70.6  
121 22.4 18.7 28.1





#50

Acenaphthylene

Concen: 5.087 ng/ul

RT: 14.051 min Scan# 1881

Delta R.T. -0.000 min

Lab File: BN031606.D

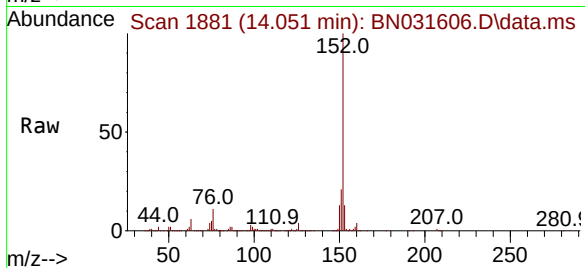
Acq: 22 May 2024 14:33

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT2-2024-04



Tgt Ion:152 Resp: 56742

Ion Ratio Lower Upper

152 100

151 20.6 15.6 23.4

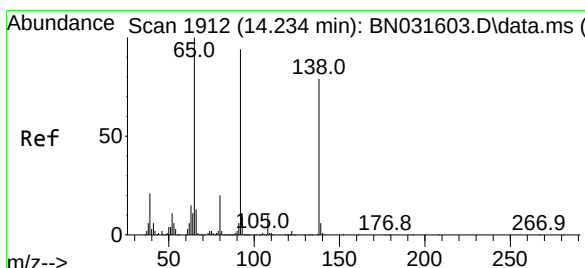
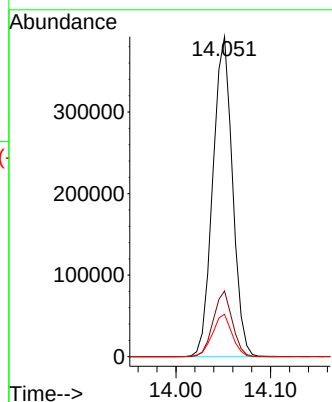
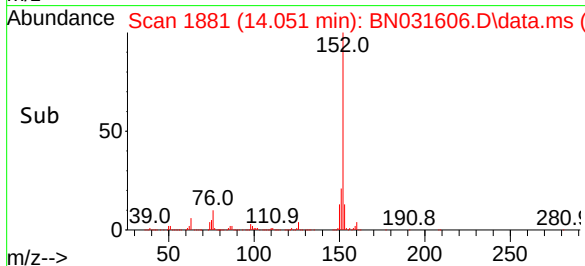
153 13.3 10.8 16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024



#51

3-Nitroaniline

Concen: 4.229 ng/ul

RT: 14.234 min Scan# 1912

Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

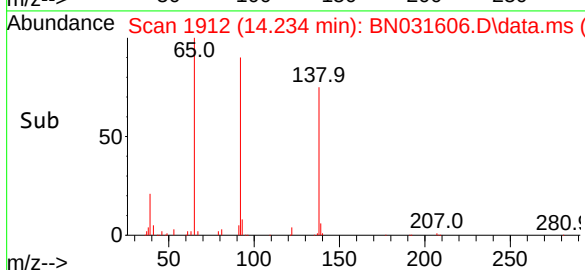
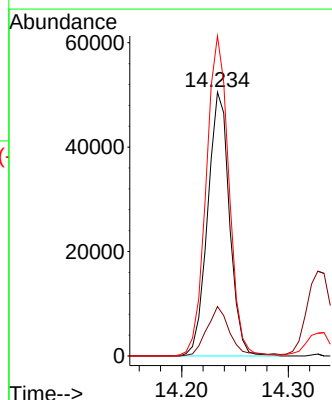
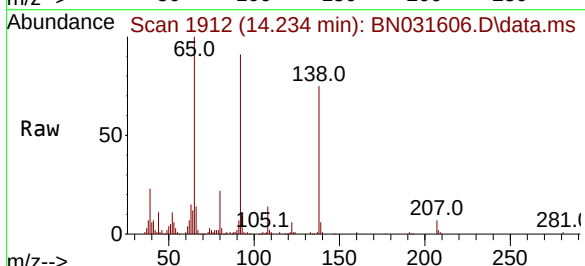
Tgt Ion:138 Resp: 71971

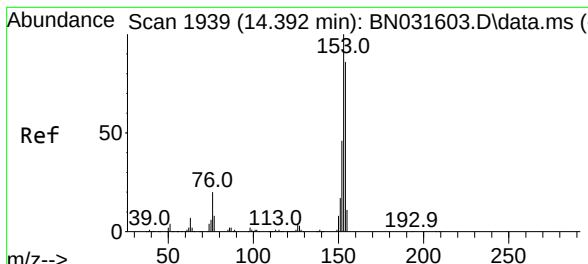
Ion Ratio Lower Upper

138 100

108 18.8 10.7 16.1#

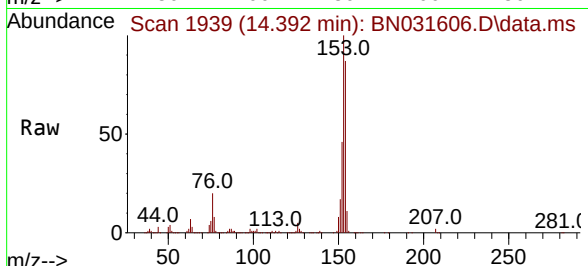
92 121.3 94.6 141.8





#52  
Acenaphthene  
Concen: 5.063 ng/ul  
RT: 14.392 min Scan# 1939  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

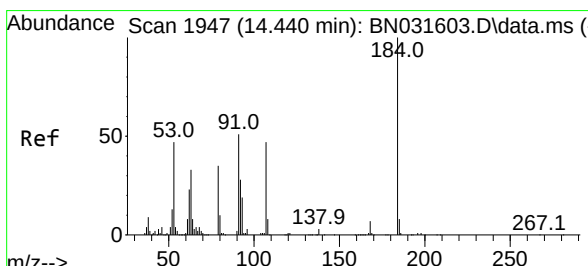
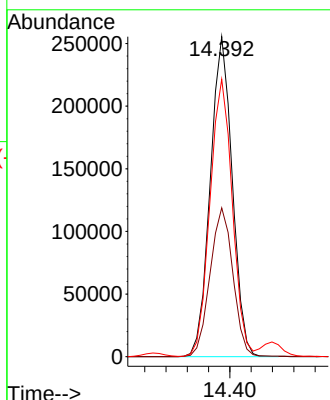
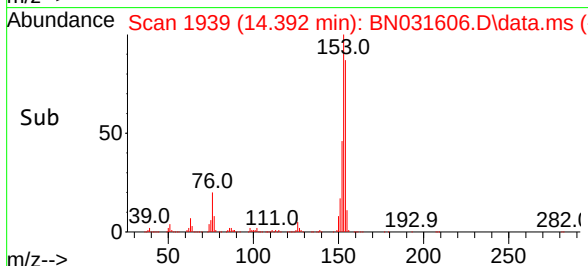
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:153 Resp: 36588  
Ion Ratio Lower Upper  
153 100  
152 46.5 40.5 60.7  
154 86.7 76.6 114.8

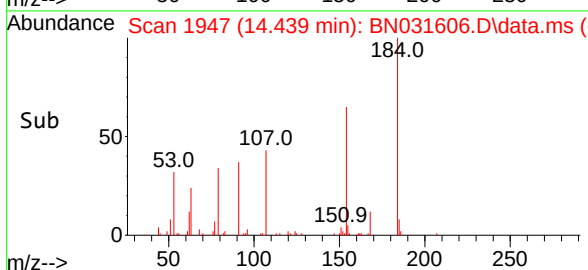
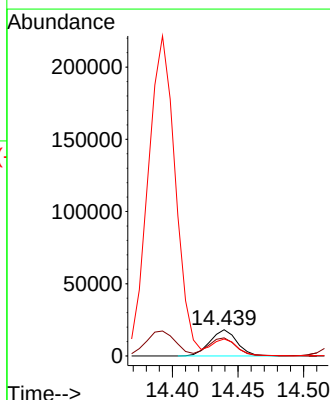
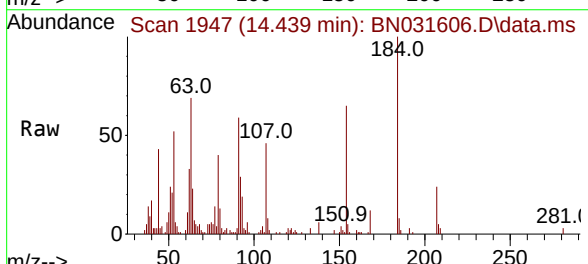
Manual Integrations  
APPROVED

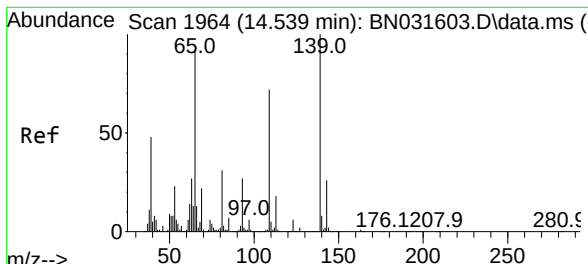
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#53  
2,4-Dinitrophenol  
Concen: 3.762 ng/ul  
RT: 14.439 min Scan# 1947  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion:184 Resp: 25901  
Ion Ratio Lower Upper  
184 100  
63 69.0 50.7 76.1  
154 64.6 49.1 73.7





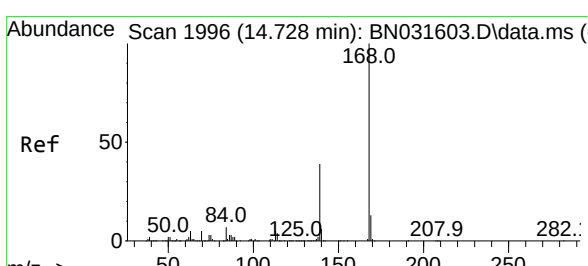
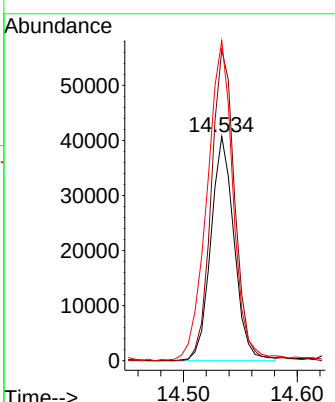
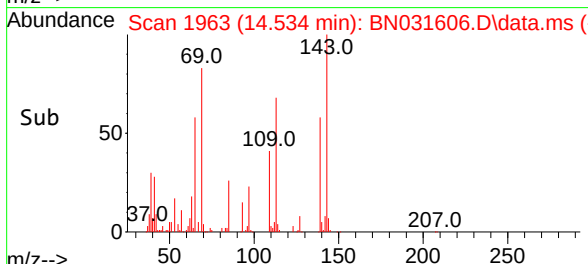
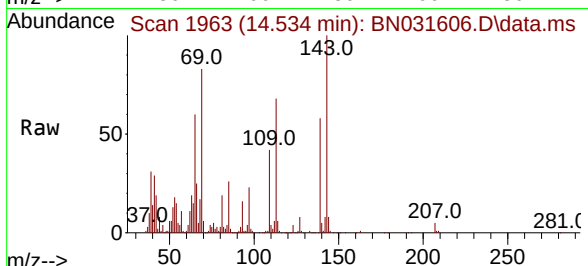
#55  
 4-Nitrophenol  
 Concen: 5.259 ng/ul  
 RT: 14.534 min Scan# 1963  
 Delta R.T. -0.006 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT2-2024-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 109   | Resp: | 5780  |
| Ion Ratio | Lower | Upper |       |
| 109       | 100   |       |       |
| 139       | 138.8 | 113.8 | 170.6 |
| 65        | 142.8 | 101.1 | 151.7 |

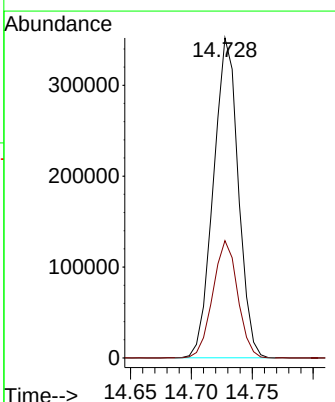
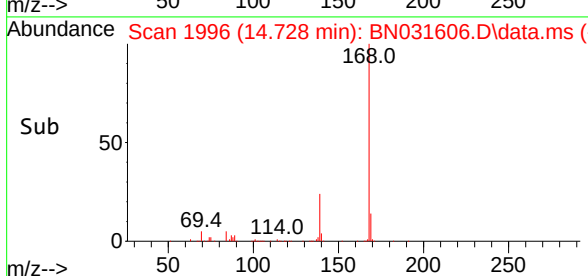
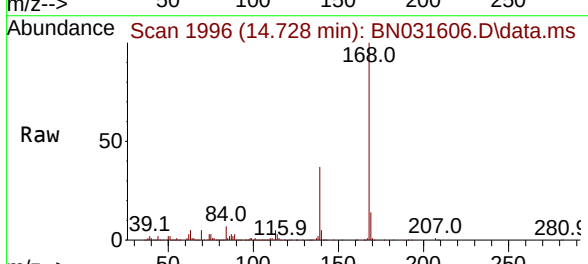
Manual Integrations  
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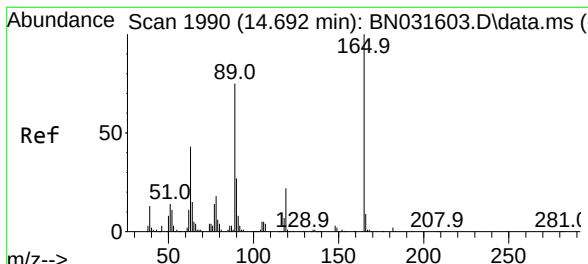
Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024



#56  
 Dibenzofuran  
 Concen: 5.193 ng/ul  
 RT: 14.728 min Scan# 1996  
 Delta R.T. -0.000 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 168   | Resp: | 500986 |
| Ion Ratio | Lower | Upper |        |
| 168       | 100   |       |        |
| 139       | 36.6  | 29.2  | 43.8   |





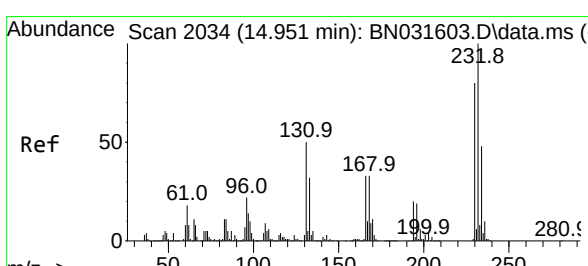
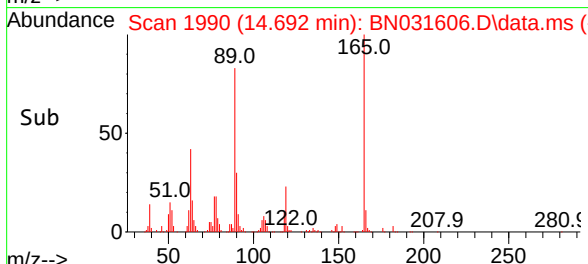
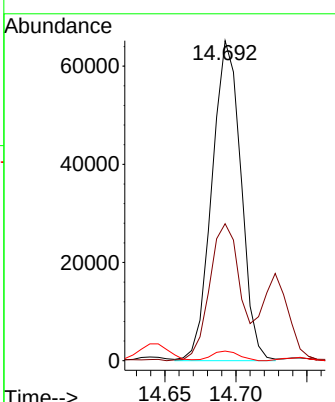
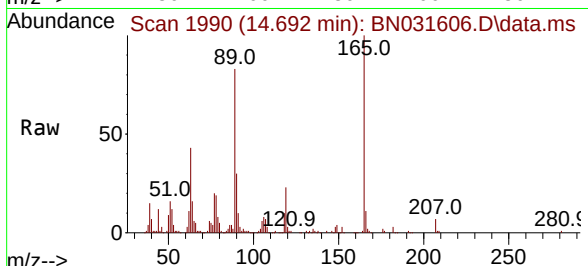
#57  
 2,4-Dinitrotoluene  
 Concen: 4.603 ng/ul  
 RT: 14.692 min Scan# 1990  
 Delta R.T. -0.000 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT2-2024-04

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 165   | Resp: | 92464 |
| Ion Ratio | Lower | Upper |       |
| 165       | 100   |       |       |
| 63        | 42.8  | 35.1  | 52.7  |
| 182       | 3.0   | 2.4   | 3.6   |

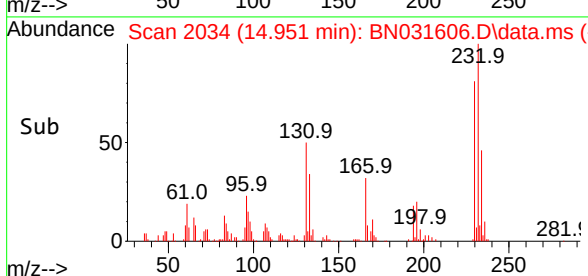
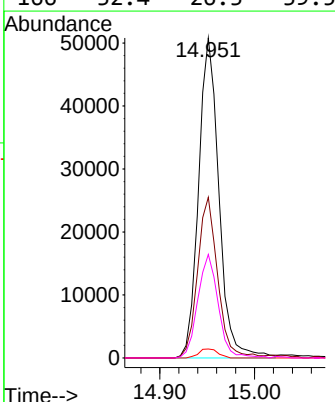
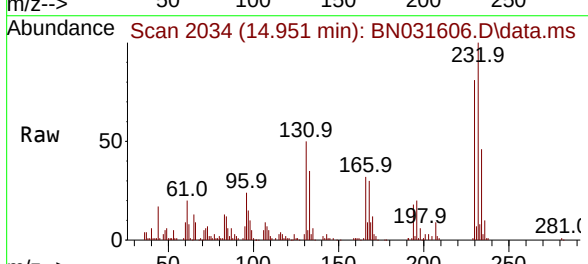
Manual Integrations  
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Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024

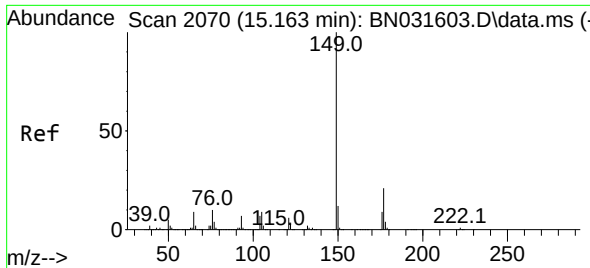


#58  
 2,3,4,6-Tetrachlorophenol  
 Concen: 4.521 ng/ul  
 RT: 14.951 min Scan# 2034  
 Delta R.T. -0.000 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 232   | Resp: | 76064 |
| Ion Ratio | Lower | Upper |       |
| 232       | 100   |       |       |
| 131       | 50.2  | 39.2  | 58.8  |
| 130       | 2.8   | 2.1   | 3.1   |
| 166       | 32.4  | 26.3  | 39.5  |







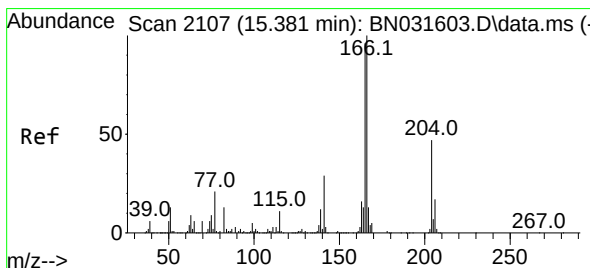
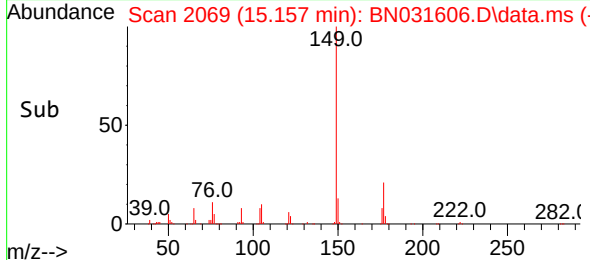
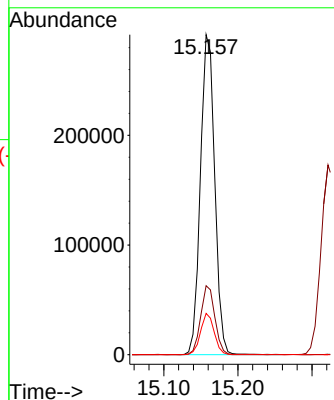
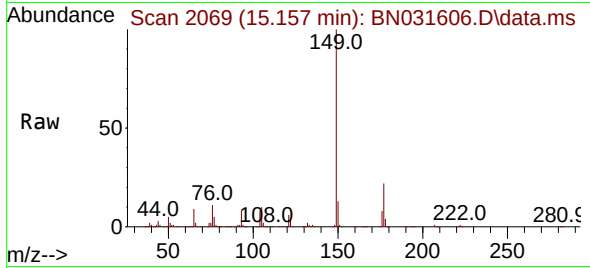
#59  
Diethylphthalate  
Concen: 5.278 ng/ul  
RT: 15.157 min Scan# 2069  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04

Tgt Ion:149 Resp: 391219  
Ion Ratio Lower Upper  
149 100  
177 21.5 16.3 24.5  
150 12.9 10.0 15.0

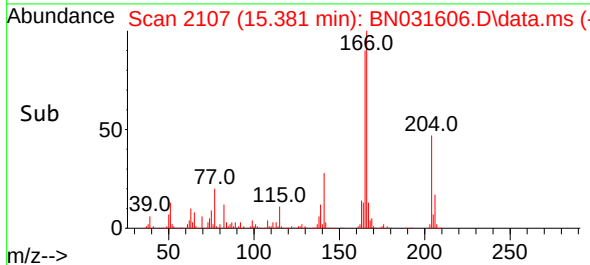
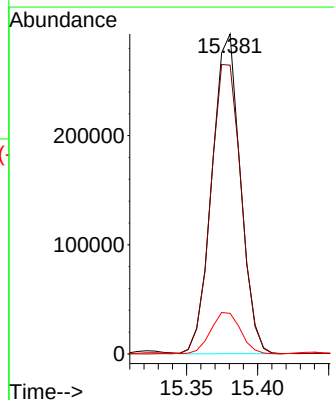
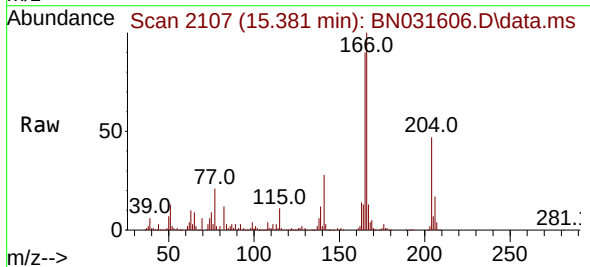
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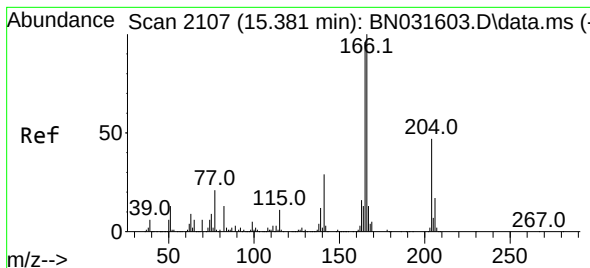
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#61  
Fluorene  
Concen: 5.389 ng/ul  
RT: 15.381 min Scan# 2107  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

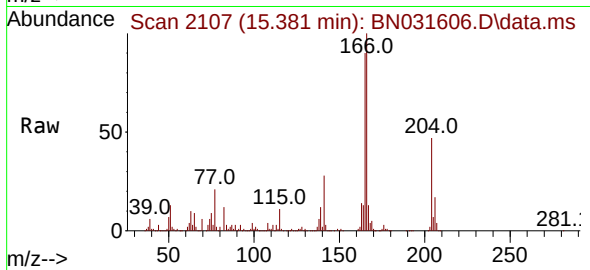
Tgt Ion:166 Resp: 407265  
Ion Ratio Lower Upper  
166 100  
165 90.3 77.0 115.6  
167 12.7 10.9 16.3





#62  
4-Chlorophenyl-phenylether  
Concen: 5.329 ng/ul  
RT: 15.381 min Scan# 2107  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

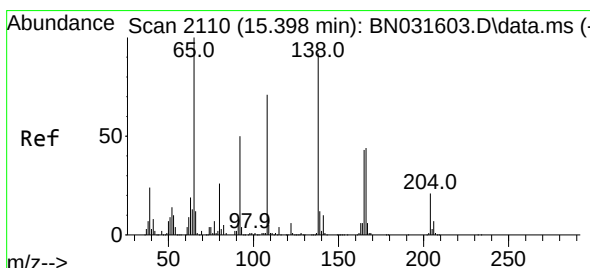
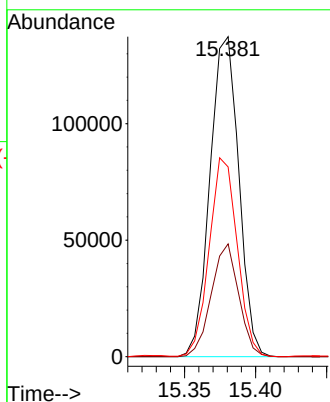
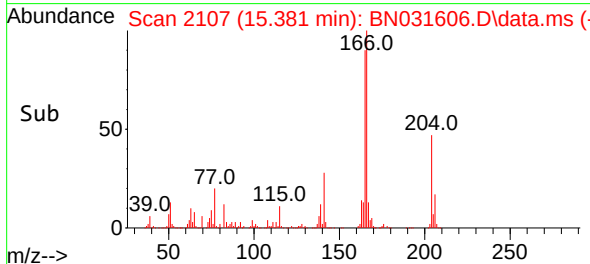
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:204 Resp: 19390  
Ion Ratio Lower Upper  
204 100  
206 35.3 25.8 38.8  
141 59.3 46.5 69.7

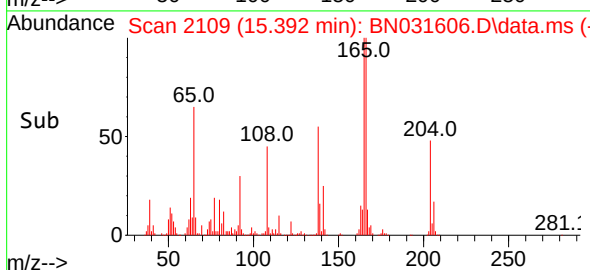
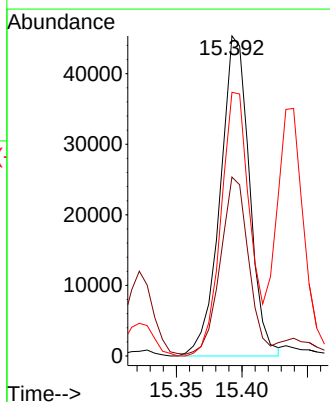
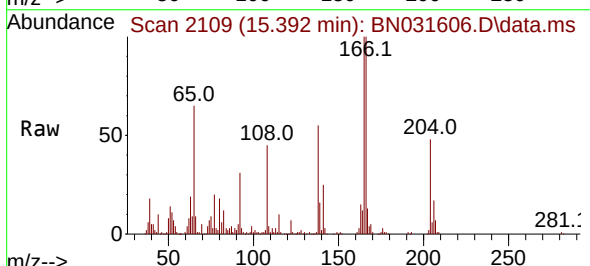
Manual Integrations  
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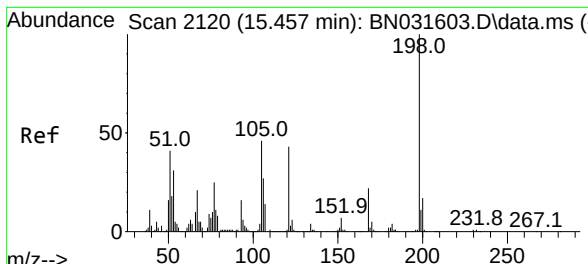
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#63  
4-Nitroaniline  
Concen: 4.617 ng/ul  
RT: 15.392 min Scan# 2109  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

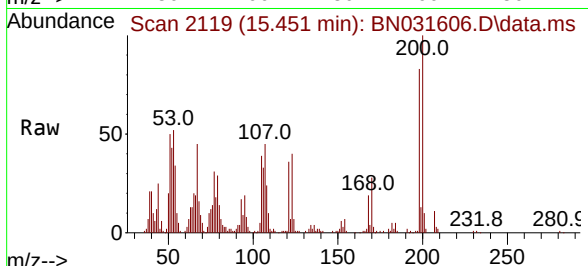
Tgt Ion:138 Resp: 70459  
Ion Ratio Lower Upper  
138 100  
92 55.9 40.7 61.1  
108 82.4 57.1 85.7





#66  
 4,6-Dinitro-2-methylphenol  
 Concen: 4.213 ng/ul  
 RT: 15.451 min Scan# 2119  
 Delta R.T. -0.000 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT2-2024-04

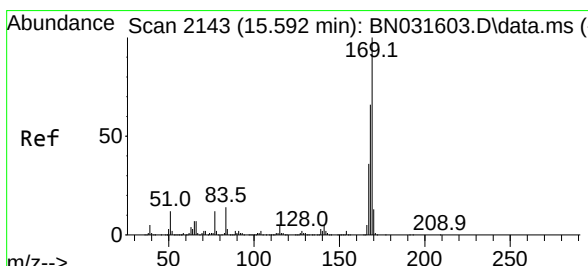
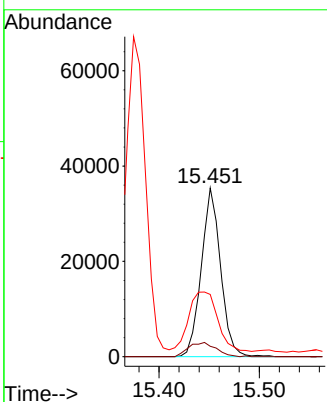
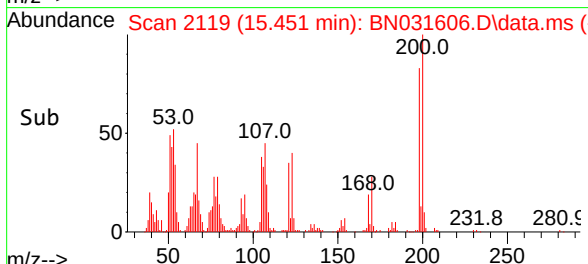


Tgt Ion:198 Resp: 47512

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 198 | 100   |       |       |
| 182 | 6.2   | 3.9   | 5.9   |
| 77  | 36.9  | 24.2  | 36.2  |

Manual Integrations  
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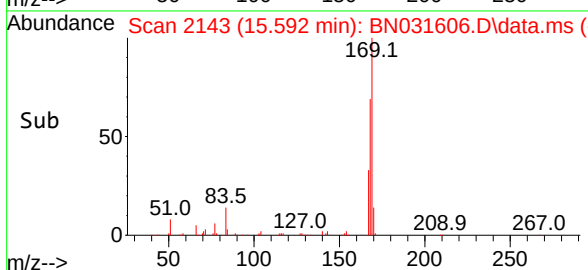
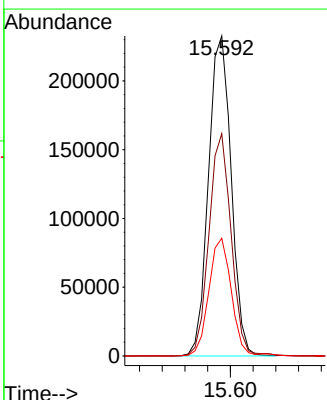
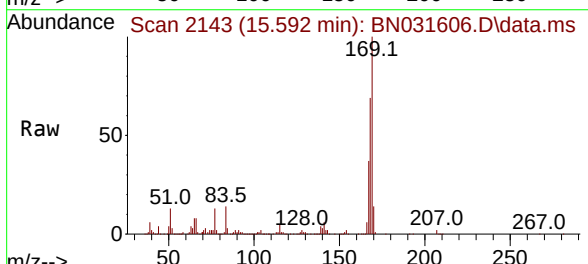
Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024

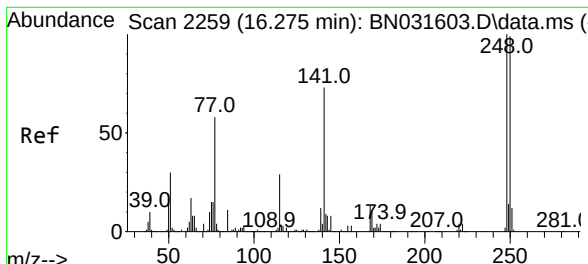


#67  
 N-Nitrosodiphenylamine  
 Concen: 4.610 ng/ul  
 RT: 15.592 min Scan# 2143  
 Delta R.T. -0.000 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

Tgt Ion:169 Resp: 322767

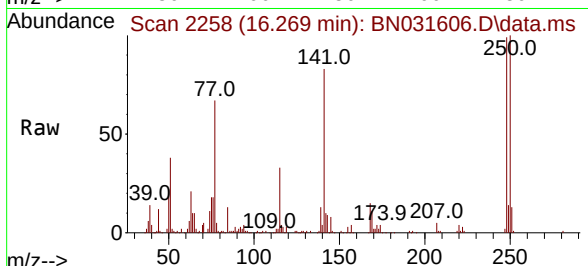
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 169 | 100   |       |       |
| 168 | 69.5  | 52.5  | 78.7  |
| 167 | 36.8  | 29.8  | 44.8  |





#68  
4-Bromophenyl-phenylether  
Concen: 4.479 ng/ul  
RT: 16.269 min Scan# 2258  
Delta R.T. -0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

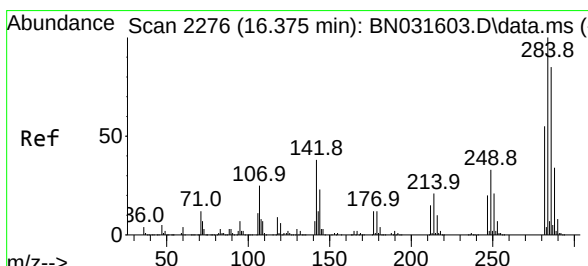
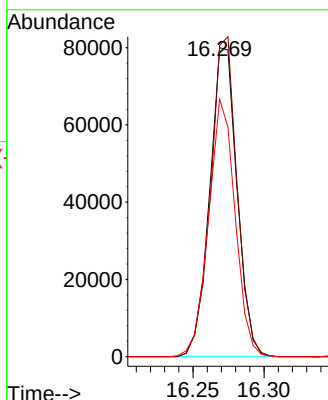
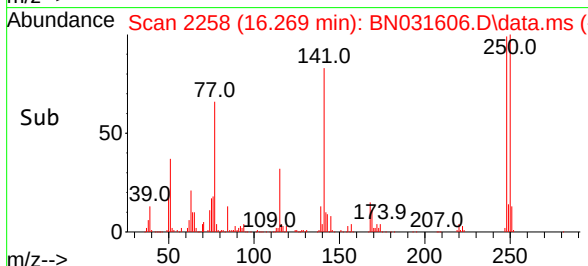
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



Tgt Ion:248 Resp: 107258  
Ion Ratio Lower Upper  
248 100  
250 100.8 79.6 119.4  
141 83.4 61.4 92.0

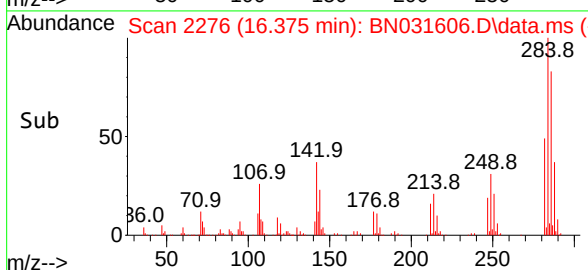
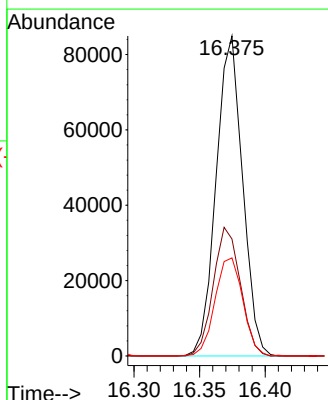
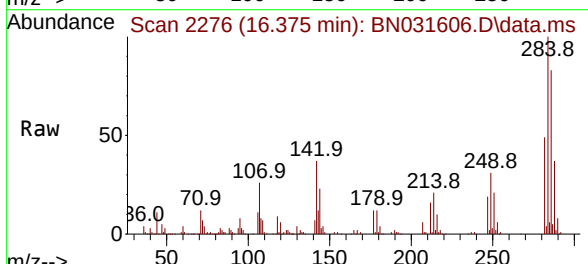
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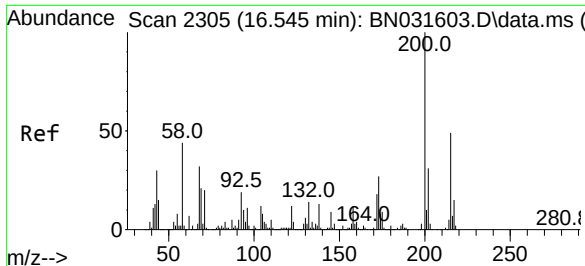
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#69  
Hexachlorobenzene  
Concen: 4.606 ng/ul  
RT: 16.375 min Scan# 2276  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion:284 Resp: 119037  
Ion Ratio Lower Upper  
284 100  
142 36.5 33.0 49.4  
249 33.5 26.4 39.6





#70

Atrazine

Concen: 5.308 ng/ul

RT: 16.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT2-2024-04

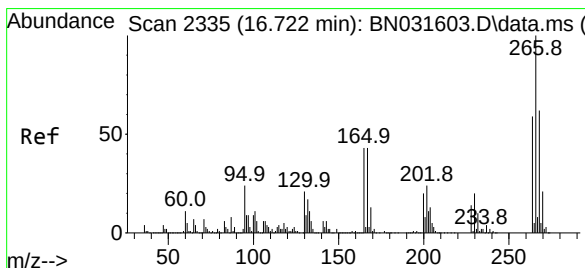
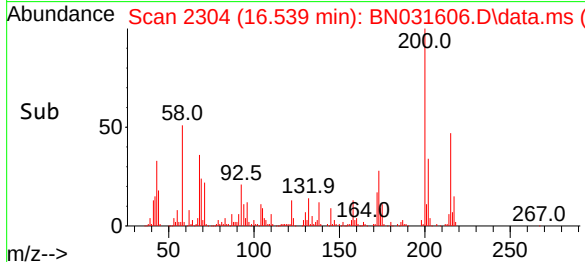
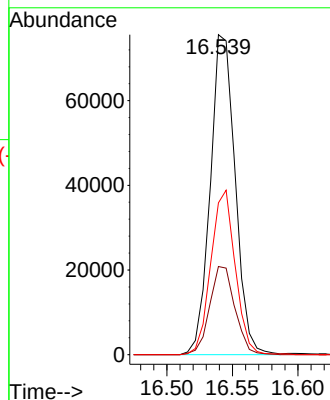
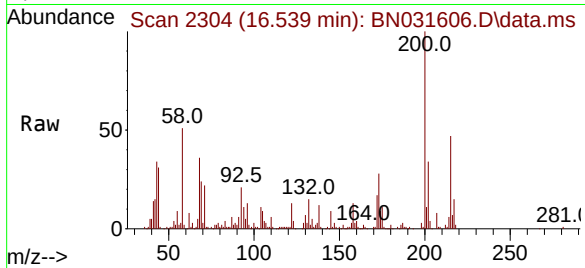
Tgt Ion:200 Resp: 10003  
 Ion Ratio Lower Upper  
 200 100  
 173 27.5 22.1 33.1  
 215 47.5 39.4 59.0

Manual Integrations

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Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024



#71

Pentachlorophenol

Concen: 4.131 ng/ul

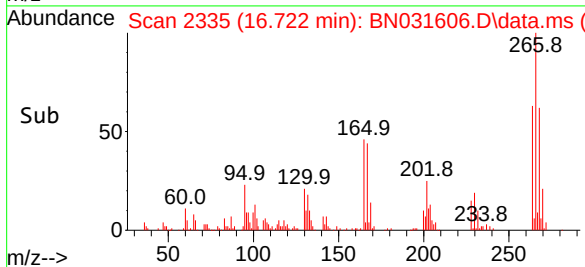
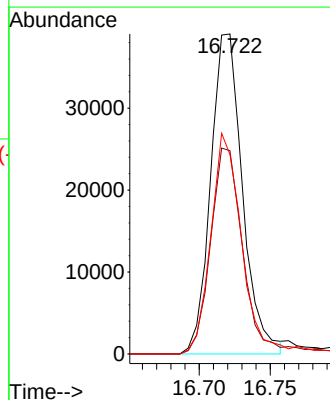
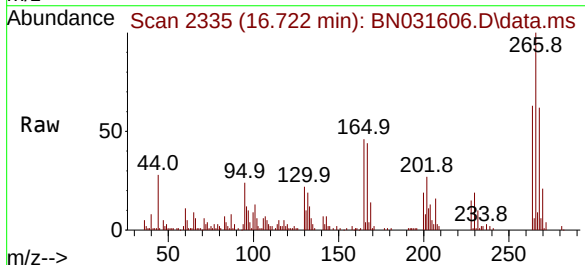
RT: 16.722 min Scan# 2335

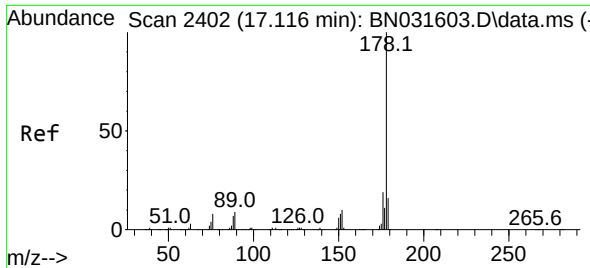
Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

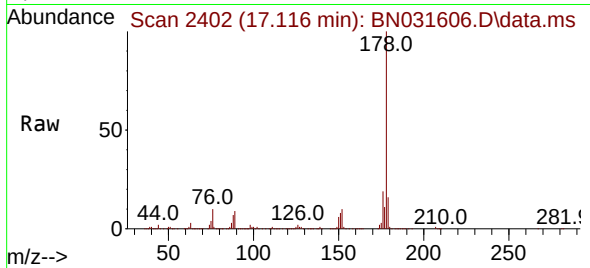
Tgt Ion:266 Resp: 60896  
 Ion Ratio Lower Upper  
 266 100  
 264 63.5 45.8 68.6  
 268 62.3 47.4 71.0





#72  
Phenanthrene  
Concen: 4.983 ng/ul  
RT: 17.116 min Scan# 2402  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

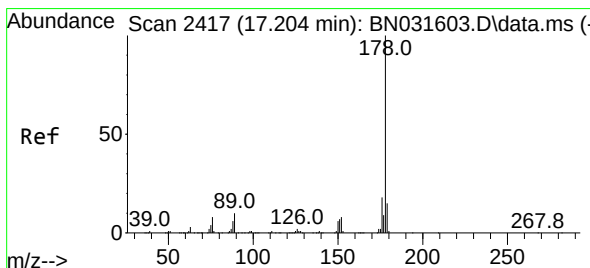
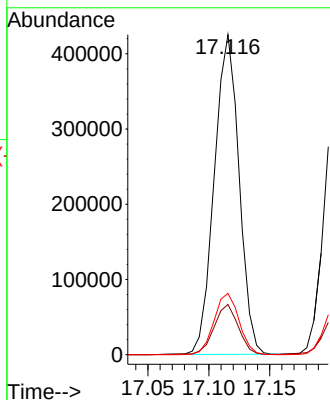
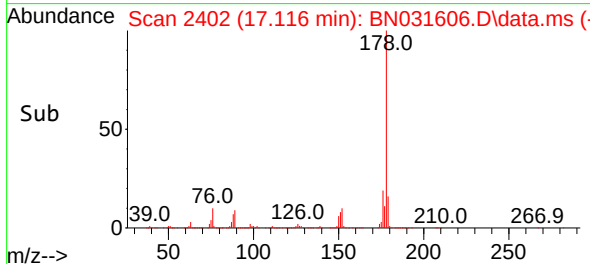
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:178 Resp: 601470  
Ion Ratio Lower Upper  
178 100  
179 15.7 12.6 18.8  
176 19.1 15.2 22.8

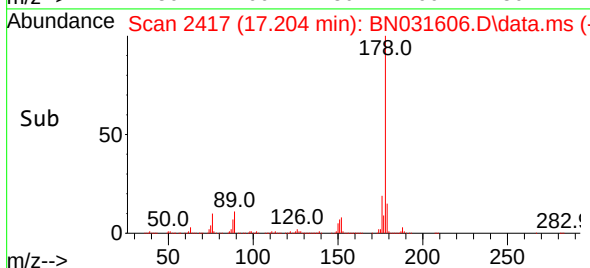
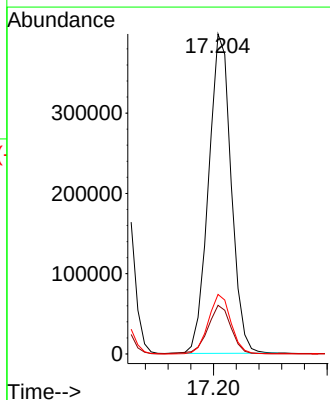
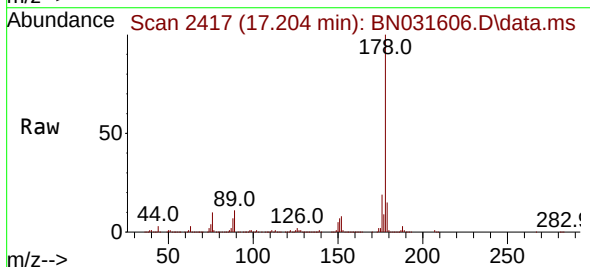
Manual Integrations  
APPROVED

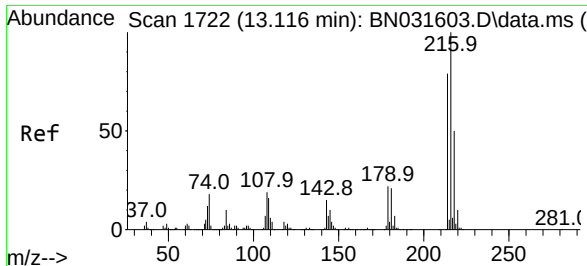
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#74  
Anthracene  
Concen: 4.538 ng/ul  
RT: 17.204 min Scan# 2417  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

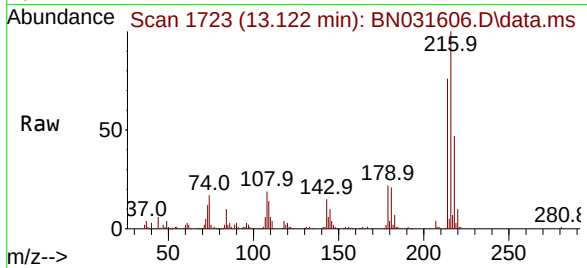
Tgt Ion:178 Resp: 549583  
Ion Ratio Lower Upper  
178 100  
179 15.2 11.9 17.9  
176 18.6 15.4 23.2





#75  
1,2,3,4-Tetrachlorobenzene  
Concen: 4.176 ng/uL  
RT: 13.122 min Scan# 1722  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

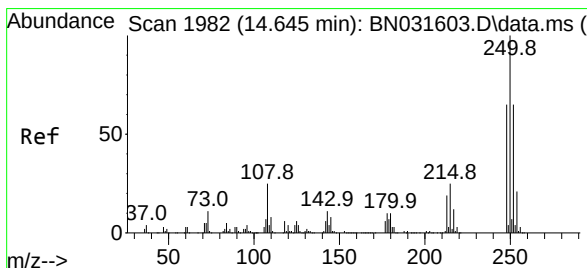
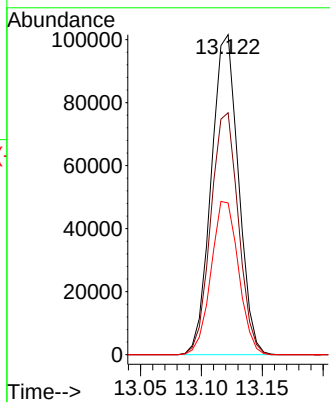
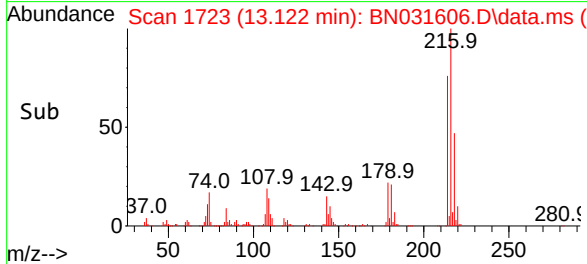
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



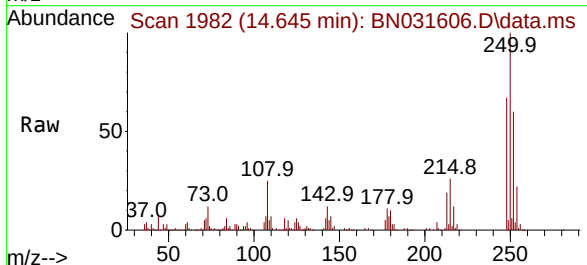
Tgt Ion:216 Resp: 157910  
Ion Ratio Lower Upper  
216 100  
214 75.6 61.7 92.5  
218 47.4 39.0 58.6

Manual Integrations  
APPROVED

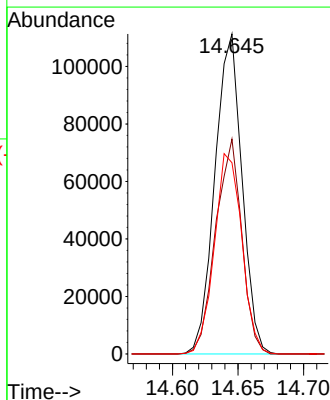
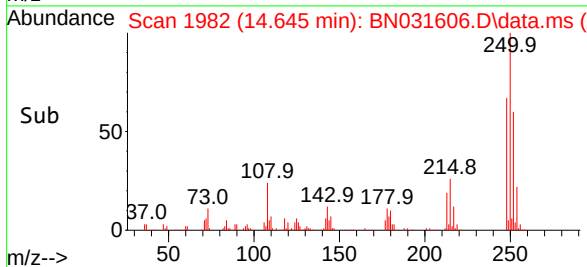
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024

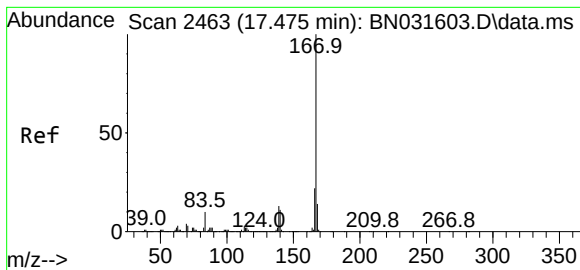


#76  
Pentachlorobenzene  
Concen: 4.668 ng/uL  
RT: 14.645 min Scan# 1982  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33



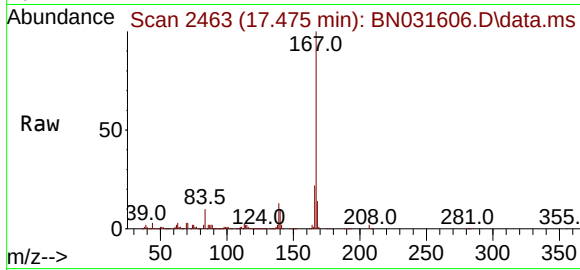
Tgt Ion:250 Resp: 159810  
Ion Ratio Lower Upper  
250 100  
248 67.2 47.3 70.9  
252 59.8 51.0 76.4





#77  
 Carbazole  
 Concen: 4.871 ng/ul  
 RT: 17.475 min Scan# 2463  
 Delta R.T. -0.000 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

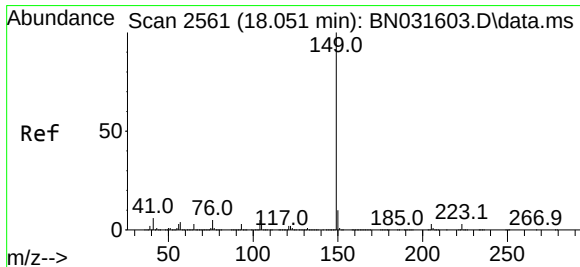
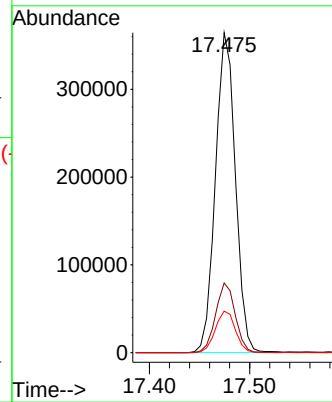
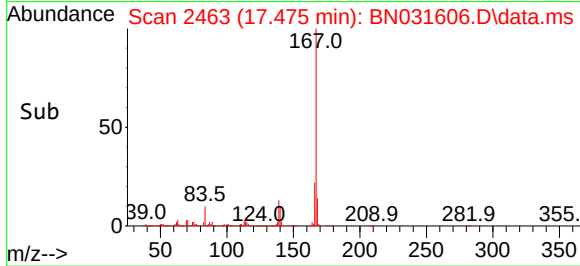
Instrument : BNA\_N  
 ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:167 Resp: 503370  
 Ion Ratio Lower Upper  
 167 100  
 166 21.8 16.7 25.1  
 139 13.0 10.5 15.7

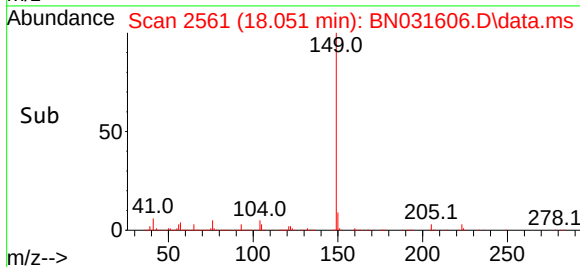
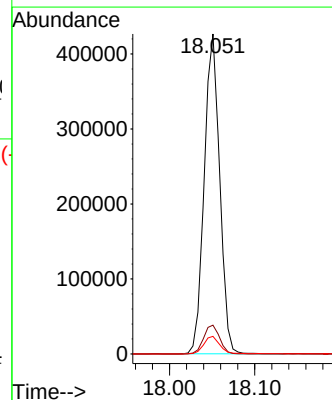
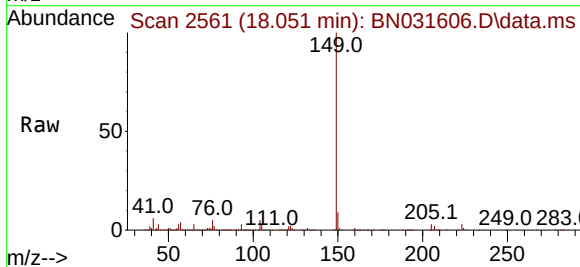
Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 05/24/2024  
 Supervised By :mohammad ahmed 05/24/2024

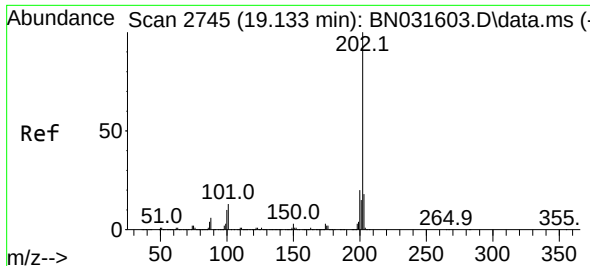


#78  
 Di-n-butylphthalate  
 Concen: 4.520 ng/ul  
 RT: 18.051 min Scan# 2561  
 Delta R.T. -0.000 min  
 Lab File: BN031606.D  
 Acq: 22 May 2024 14:33

Tgt Ion:149 Resp: 536366  
 Ion Ratio Lower Upper  
 149 100  
 150 9.0 7.0 10.6  
 104 5.5 4.2 6.2

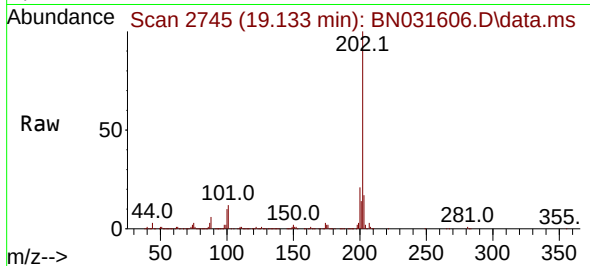






#80  
Fluoranthene  
Concen: 5.098 ng/u1  
RT: 19.133 min Scan# 2745  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

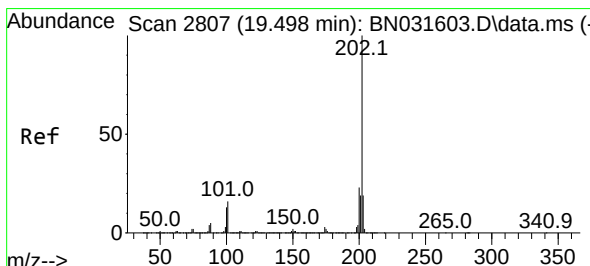
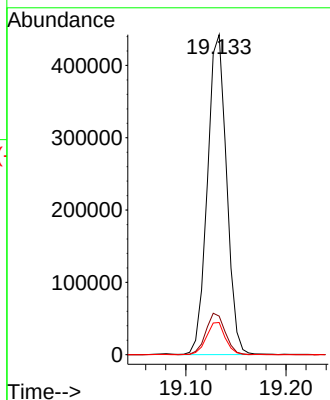
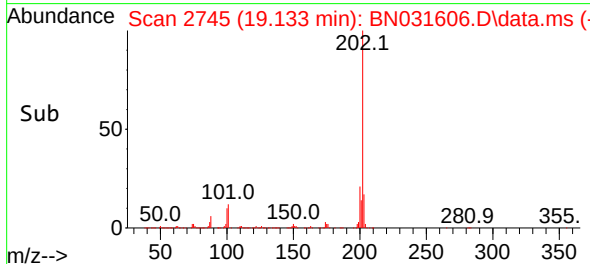
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



Tgt Ion:202 Resp: 588694  
Ion Ratio Lower Upper  
202 100  
101 12.0 10.1 15.1  
100 10.1 8.0 12.0

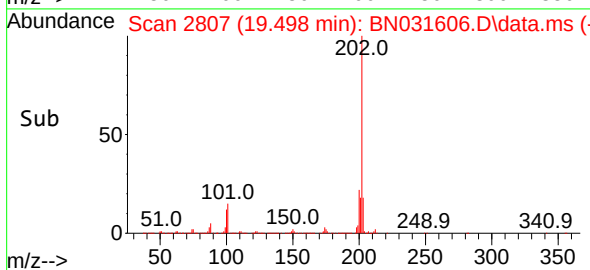
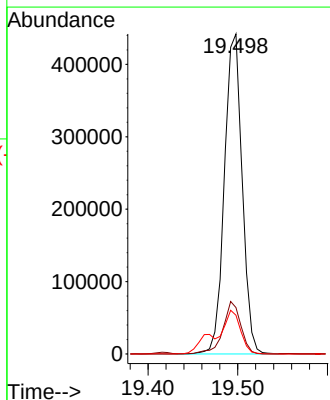
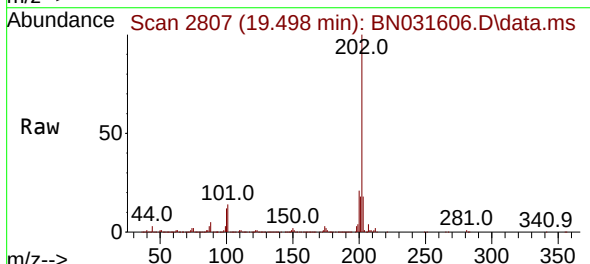
Manual Integrations  
APPROVED

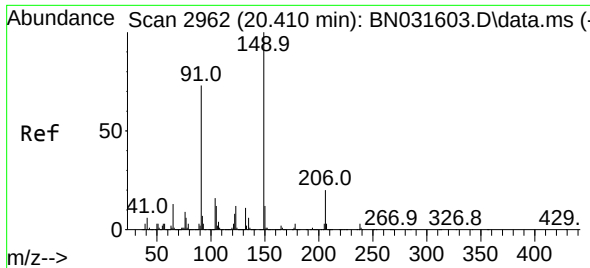
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#82  
Pyrene  
Concen: 5.128 ng/u1  
RT: 19.498 min Scan# 2807  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

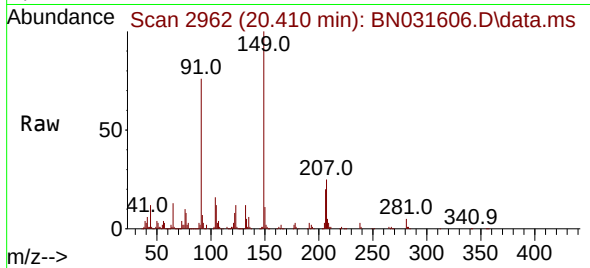
Tgt Ion:202 Resp: 607262  
Ion Ratio Lower Upper  
202 100  
101 14.5 11.4 17.2  
100 12.1 9.3 13.9





#83  
Butylbenzylphthalate  
Concen: 4.124 ng/ul  
RT: 20.410 min Scan# 2962  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

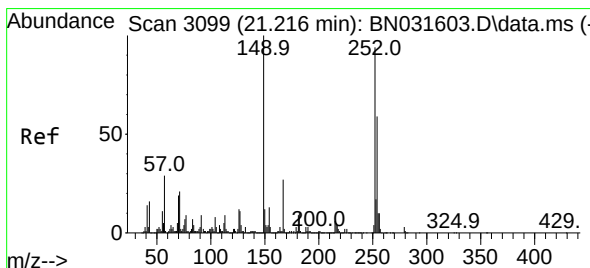
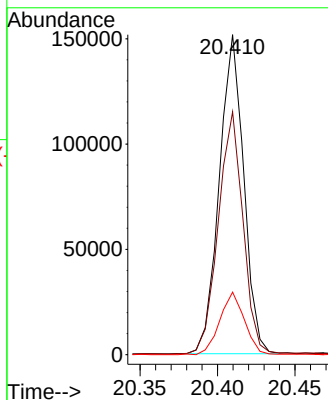
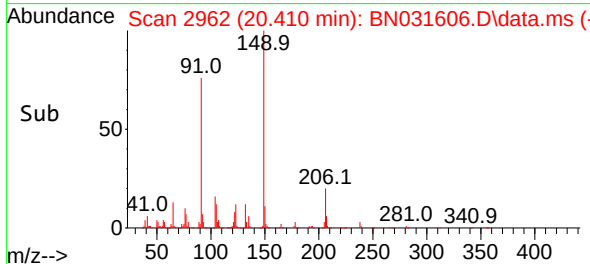
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:149 Resp: 165718  
Ion Ratio Lower Upper  
149 100  
91 75.9 60.8 91.2  
206 19.6 15.8 23.8

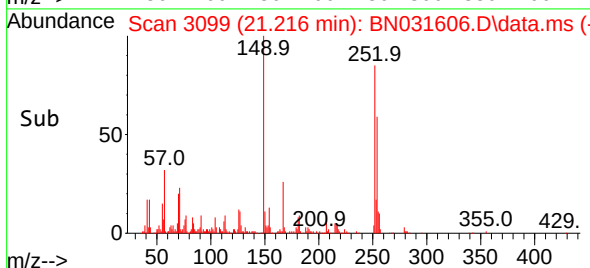
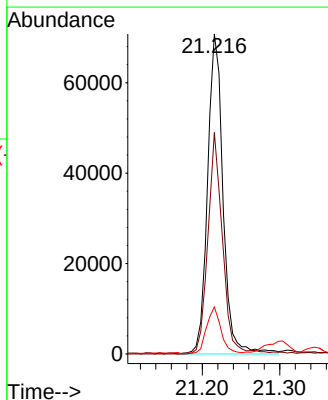
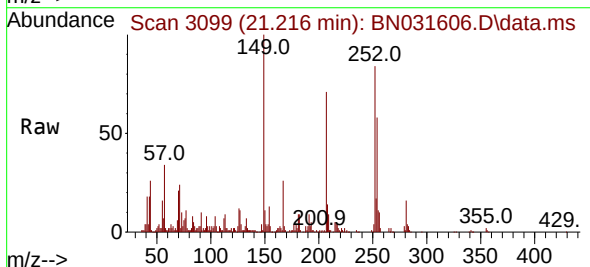
Manual Integrations  
APPROVED

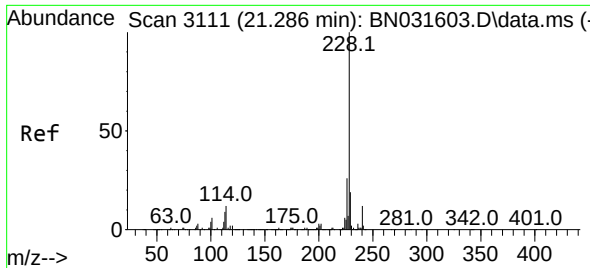
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#84  
3,3'-Dichlorobenzidine  
Concen: 3.433 ng/ul  
RT: 21.216 min Scan# 3099  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

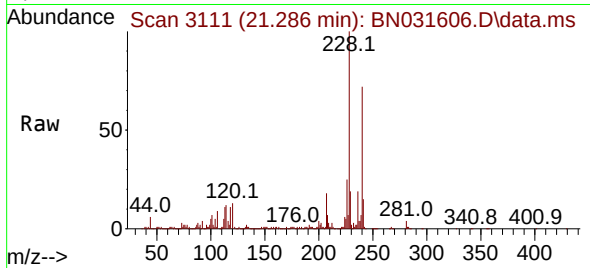
Tgt Ion:252 Resp: 98294  
Ion Ratio Lower Upper  
252 100  
254 69.2 51.4 77.0  
126 14.7 10.6 15.8





#85  
Benzo(a)anthracene  
Concen: 4.789 ng/ul  
RT: 21.286 min Scan# 3111  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

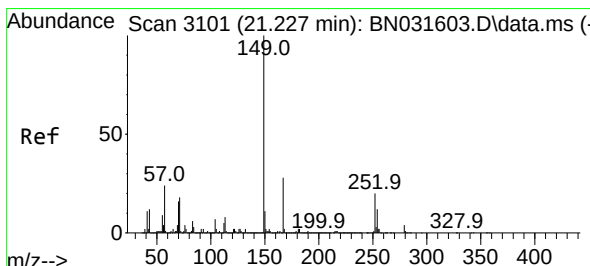
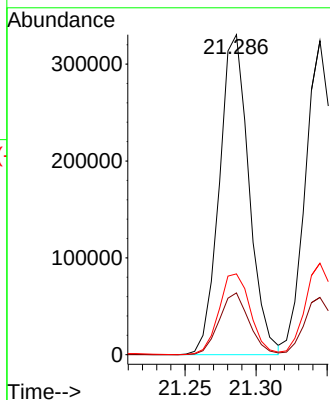
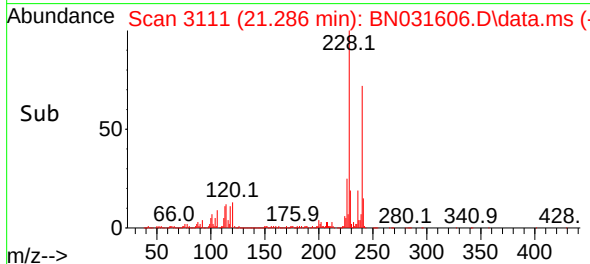
Instrument : BNA\_N  
ClientSampleId : MDL-SOIL-QT2-2024-04



Tgt Ion:228 Resp: 47964  
Ion Ratio Lower Upper  
228 100  
229 19.3 15.7 23.5  
226 25.3 21.9 32.9

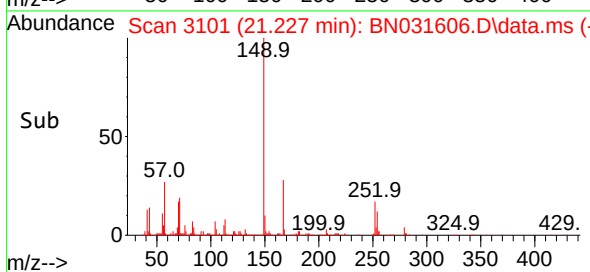
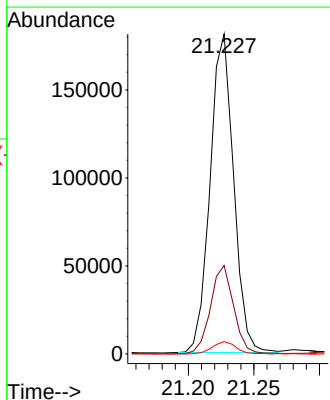
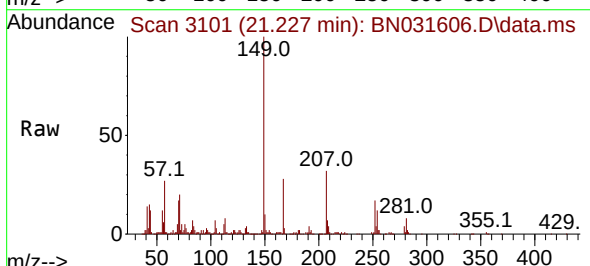
Manual Integrations  
APPROVED

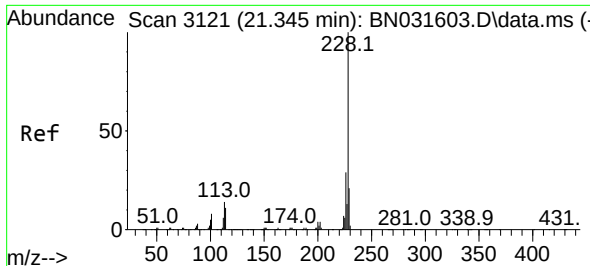
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#86  
Bis(2-ethylhexyl)phthalate  
Concen: 4.104 ng/ul  
RT: 21.227 min Scan# 3101  
Delta R.T. 0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

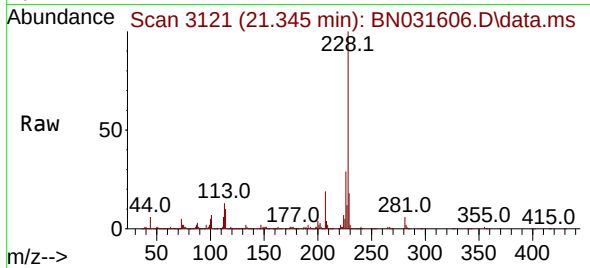
Tgt Ion:149 Resp: 225818  
Ion Ratio Lower Upper  
149 100  
167 27.6 21.6 32.4  
279 3.8 2.8 4.2





#87  
Chrysene  
Concen: 4.991 ng/ul  
RT: 21.345 min Scan# 3121  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

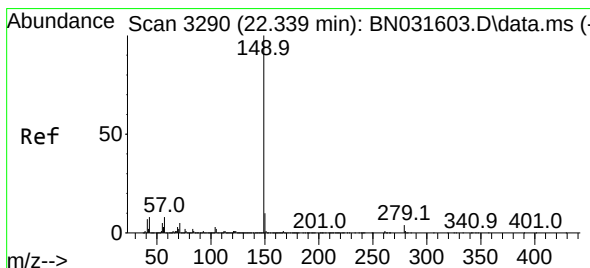
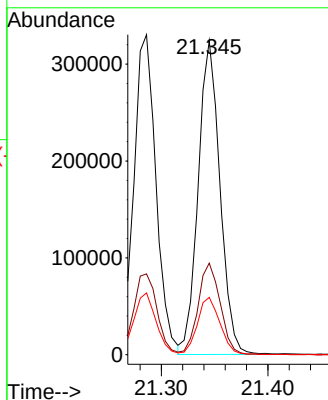
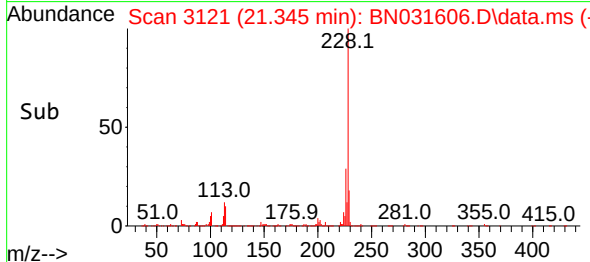
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



Tgt Ion:228 Resp: 461710  
Ion Ratio Lower Upper  
228 100  
226 29.2 22.9 34.3  
229 18.3 15.2 22.8

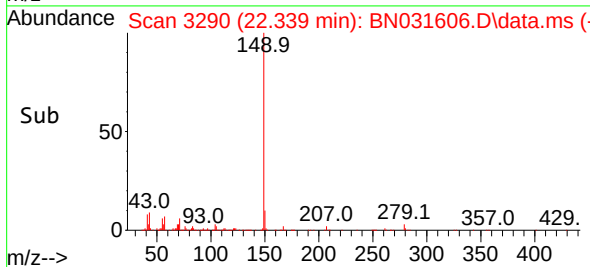
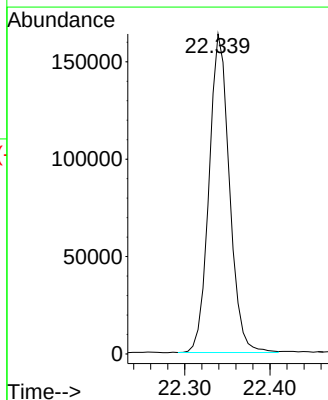
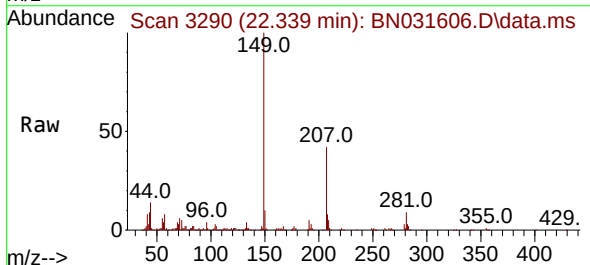
Manual Integrations  
APPROVED

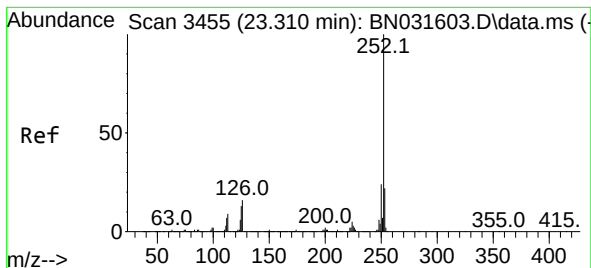
Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#89  
Di-n-octyl phthalate  
Concen: 3.652 ng/ul  
RT: 22.339 min Scan# 3290  
Delta R.T. -0.000 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

Tgt Ion:149 Resp: 272282





#90

Benzo(b)fluoranthene

Concen: 4.780 ng/ul

RT: 23.310 min Scan# 3455

Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT2-2024-04

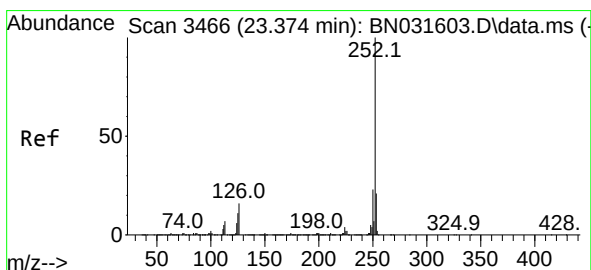
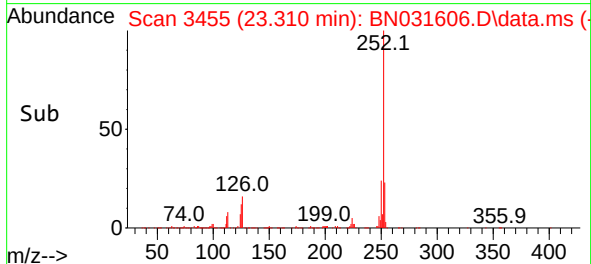
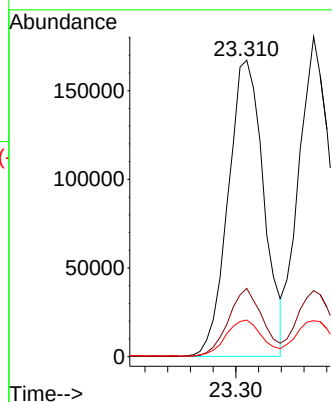
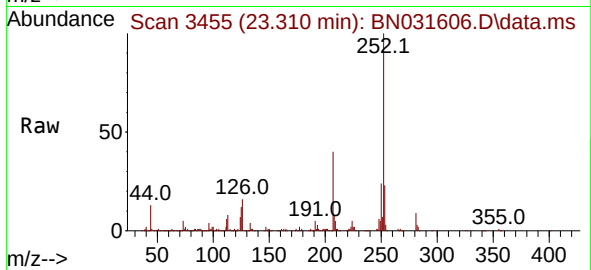
|             |              |
|-------------|--------------|
| Tgt Ion:252 | Resp: 363818 |
| Ion Ratio   | Lower Upper  |
| 252 100     |              |
| 253 23.1    | 16.8 25.2    |
| 125 12.4    | 9.3 13.9     |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024



#91

Benzo(k)fluoranthene

Concen: 4.746 ng/ul

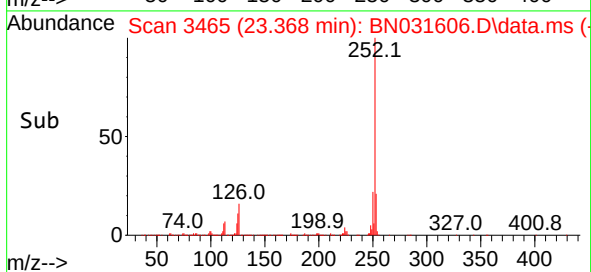
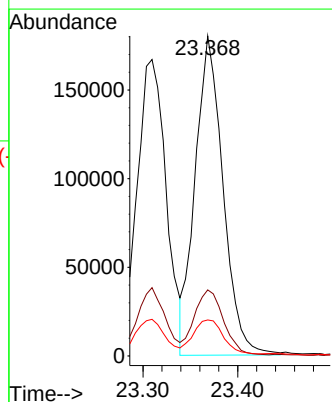
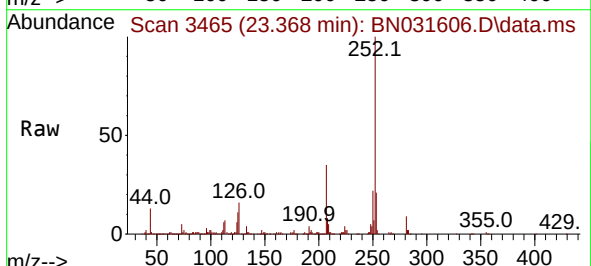
RT: 23.368 min Scan# 3465

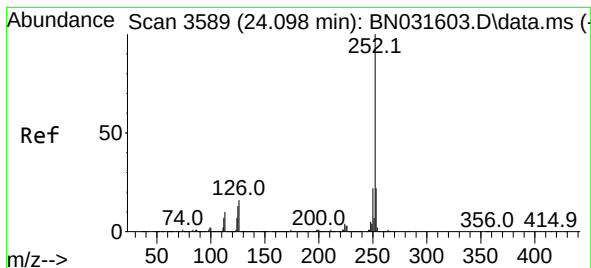
Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:252 | Resp: | 368226 |
| Ion | Ratio   | Lower | Upper  |
| 252 | 100     |       |        |
| 253 | 20.6    | 17.4  | 26.0   |
| 125 | 11.2    | 9.3   | 13.9   |





#93

Benzo(a)pyrene

Concen: 4.712 ng/ul

RT: 24.098 min Scan# 31

Delta R.T. -0.006 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

Instrument :

BNA\_N

ClientSampleId :

MDL-SOIL-QT2-2024-04

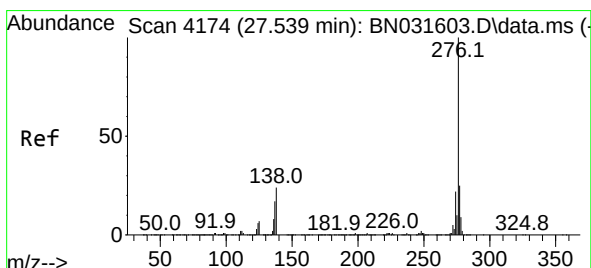
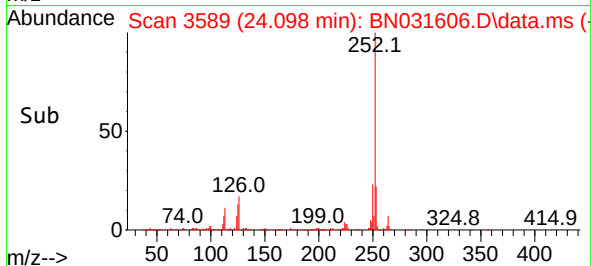
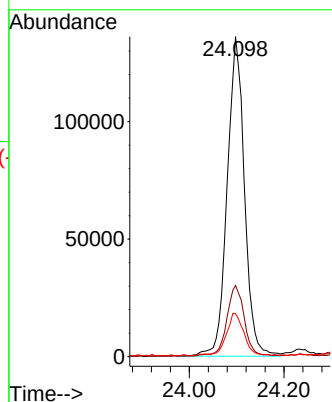
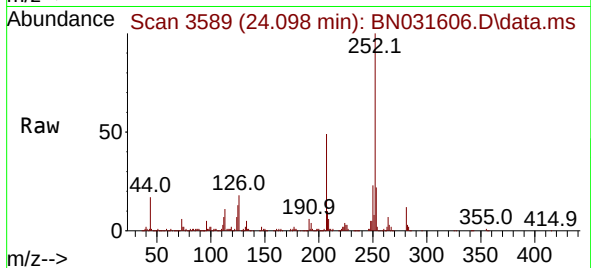
|             |             |
|-------------|-------------|
| Tgt Ion:252 | Resp: 34450 |
| Ion Ratio   | Lower Upper |
| 252 100     |             |
| 253 22.3    | 16.6 24.8   |
| 125 13.4    | 9.8 14.8    |

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 05/24/2024

Supervised By :mohammad ahmed 05/24/2024



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.203 ng/ul

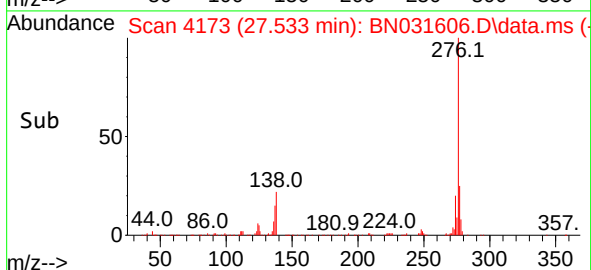
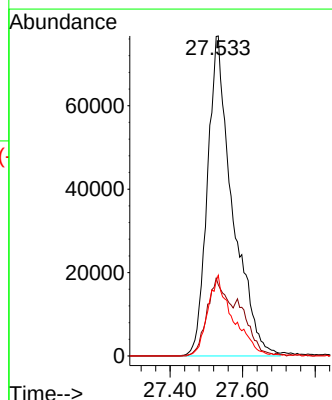
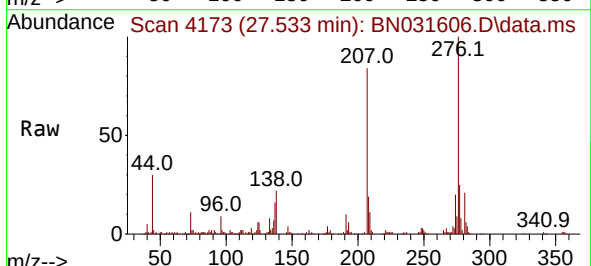
RT: 27.533 min Scan# 4173

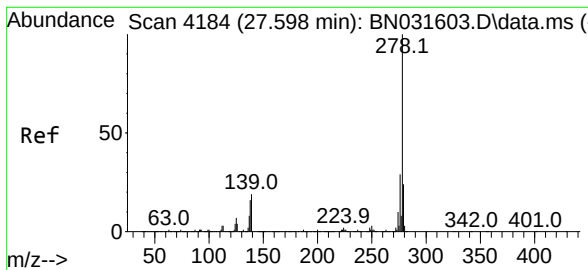
Delta R.T. -0.000 min

Lab File: BN031606.D

Acq: 22 May 2024 14:33

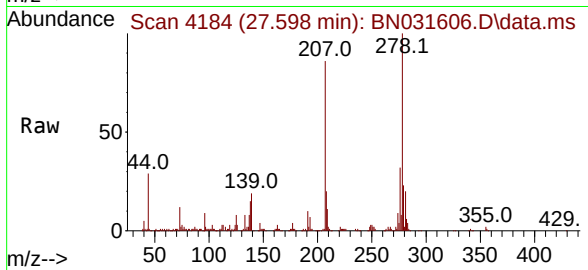
|             |              |
|-------------|--------------|
| Tgt Ion:276 | Resp: 368835 |
| Ion Ratio   | Lower Upper  |
| 276 100     |              |
| 138 22.2    | 19.8 29.6    |
| 277 25.2    | 18.2 27.4    |





#95  
Dibenzo(a,h)anthracene  
Concen: 4.198 ng/ul  
RT: 27.598 min Scan# 4184  
Delta R.T. 0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33

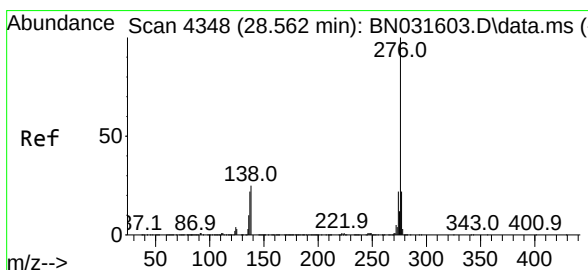
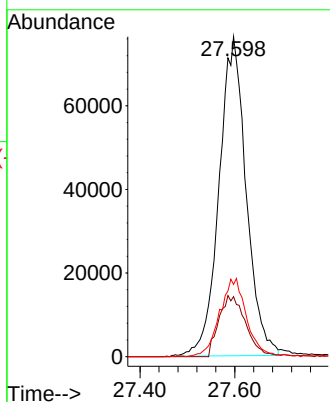
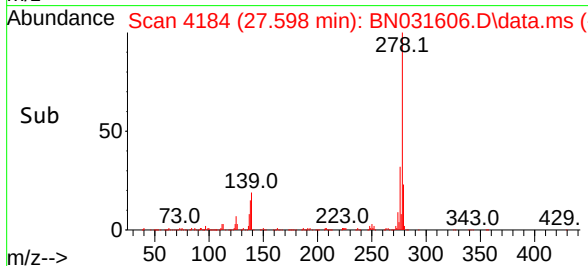
Instrument :  
BNA\_N  
ClientSampleId :  
MDL-SOIL-QT2-2024-04



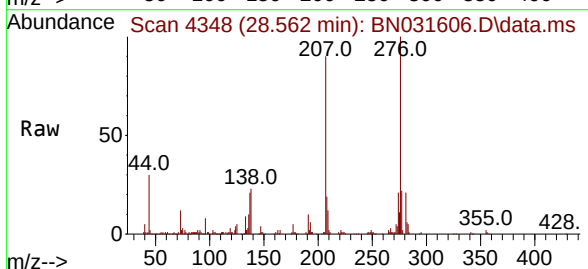
Tgt Ion:278 Resp: 303370  
Ion Ratio Lower Upper  
278 100  
139 18.7 15.2 22.8  
279 22.6 18.4 27.6

Manual Integrations  
APPROVED

Reviewed By :Yogesh Patel 05/24/2024  
Supervised By :mohammad ahmed 05/24/2024



#96  
Benzo(g,h,i)perylene  
Concen: 4.415 ng/ul  
RT: 28.562 min Scan# 4348  
Delta R.T. 0.006 min  
Lab File: BN031606.D  
Acq: 22 May 2024 14:33



Tgt Ion:276 Resp: 320047  
Ion Ratio Lower Upper  
276 100  
138 22.8 19.5 29.3  
277 22.0 17.6 26.4

