

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091724\  
 Data File : BM047543.D  
 Acq On : 17 Sep 2024 14:14  
 Operator : RC/JU  
 Sample : P2403-02  
 Misc : LOQ-SOIL-10 ppm  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2024

Quant Time: Sep 17 14:49:53 2024  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM091424.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Sep 15 08:56:37 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
 Supervised By :mohammad ahmed 09/19/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Dichlorobenzene-d4     | 7.845  | 152  | 371373   | 20.000 | ng    | 0.00     |
| 21) Naphthalene-d8            | 10.645 | 136  | 1647092  | 20.000 | ng    | 0.00     |
| 39) Acenaphthene-d10          | 14.480 | 164  | 944888   | 20.000 | ng    | 0.00     |
| 64) Phenanthrene-d10          | 17.209 | 188  | 1800922  | 20.000 | ng    | 0.00     |
| 76) Chrysene-d12              | 21.439 | 240  | 1502304  | 20.000 | ng    | 0.00     |
| 86) Perylene-d12              | 24.462 | 264  | 1442147  | 20.000 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 5) 2-Fluorophenol             | 5.422  | 112  | 2174230  | 93.218 | ng    | 0.00     |
| 7) Phenol-d6                  | 7.004  | 99   | 2977530  | 90.648 | ng    | 0.00     |
| 23) Nitrobenzene-d5           | 8.998  | 82   | 2132328  | 64.790 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol      | 15.957 | 330  | 799058   | 87.490 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl          | 13.104 | 172  | 4276993  | 62.353 | ng    | 0.00     |
| 79) Terphenyl-d14             | 19.827 | 244  | 5825980  | 69.492 | ng    | 0.00     |
|                               |        |      |          |        |       |          |
| Target Compounds              |        |      |          |        |       | Qvalue   |
| 2) 1,4-Dioxane                | 3.322  | 88   | 88994    | 8.908  | ng    | 99       |
| 3) Pyridine                   | 3.722  | 79   | 217980   | 7.330  | ng    | 97       |
| 4) n-Nitrosodimethylamine     | 3.628  | 42   | 112351   | 8.327  | ng    | # 95     |
| 6) Aniline                    | 7.169  | 93   | 260646   | 8.950  | ng    | 97       |
| 8) 2-Chlorophenol             | 7.410  | 128  | 190677   | 7.416  | ng    | 97       |
| 9) Benzaldehyde               | 6.987  | 77   | 197767m  | 12.662 | ng    |          |
| 10) Phenol                    | 7.034  | 94   | 243848   | 7.414  | ng    | 98       |
| 11) bis(2-Chloroethyl)ether   | 7.269  | 93   | 202819   | 7.681  | ng    | 98       |
| 12) 1,3-Dichlorobenzene       | 7.739  | 146  | 202772   | 7.205  | ng    | 97       |
| 13) 1,4-Dichlorobenzene       | 7.881  | 146  | 208735   | 7.282  | ng    | 97       |
| 14) 1,2-Dichlorobenzene       | 8.204  | 146  | 202120   | 7.165  | ng    | 97       |
| 15) Benzyl Alcohol            | 8.081  | 79   | 164686   | 7.402  | ng    | 97       |
| 16) 2,2'-oxybis(1-Chloropr... | 8.369  | 45   | 306015   | 8.239  | ng    | 99       |
| 17) 2-Methylphenol            | 8.281  | 107  | 146232   | 6.960  | ng    | 98       |
| 18) Hexachloroethane          | 8.933  | 117  | 85383    | 7.456  | ng    | 94       |
| 19) n-Nitroso-di-n-propyla... | 8.651  | 70   | 161080   | 7.273  | ng    | 98       |
| 20) 3+4-Methylphenols         | 8.604  | 107  | 197279   | 6.729  | ng    | 97       |
| 22) Acetophenone              | 8.663  | 105  | 321682   | 7.429  | ng    | # 98     |
| 24) Nitrobenzene              | 9.039  | 77   | 249498   | 7.377  | ng    | 97       |
| 25) Isophorone                | 9.569  | 82   | 421015   | 7.276  | ng    | 99       |
| 26) 2-Nitrophenol             | 9.757  | 139  | 67613    | 5.867  | ng    | 99       |
| 27) 2,4-Dimethylphenol        | 9.810  | 122  | 92236    | 5.280  | ng    | 98       |
| 28) bis(2-Chloroethoxy)met... | 10.051 | 93   | 267362   | 7.356  | ng    | 99       |
| 29) 2,4-Dichlorophenol        | 10.286 | 162  | 140587   | 6.334  | ng    | 98       |
| 30) 1,2,4-Trichlorobenzene    | 10.504 | 180  | 168109   | 6.612  | ng    | 98       |
| 31) Naphthalene               | 10.692 | 128  | 608314   | 6.838  | ng    | 99       |
| 32) Benzoic acid              | 9.892  | 122  | 123113   | 12.851 | ng    | 97       |
| 33) 4-Chloroaniline           | 10.792 | 127  | 234487   | 7.291  | ng    | 100      |
| 34) Hexachlorobutadiene       | 10.986 | 225  | 89450    | 6.352  | ng    | 99       |
| 35) Caprolactam               | 11.545 | 113  | 47786m   | 6.537  | ng    |          |
| 36) 4-Chloro-3-methylphenol   | 11.916 | 107  | 162125   | 6.374  | ng    | 98       |
| 37) 2-Methylnaphthalene       | 12.304 | 142  | 390560   | 6.597  | ng    | 96       |
| 38) 1-Methylnaphthalene       | 12.521 | 142  | 362710   | 6.165  | ng    | 99       |
| 40) 1,2,4,5-Tetrachloroben... | 12.668 | 216  | 167978   | 6.570  | ng    | 97       |
| 41) Hexachlorocyclopentadiene | 12.663 | 237  | 94675    | 11.327 | ng    | 93       |
| 43) 2,4,6-Trichlorophenol     | 12.910 | 196  | 95632    | 5.970  | ng    | 98       |

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 Sample : P2403-02  
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Instrument :  
 BNA\_M  
 ClientSampleId :  
 LOQ-SOIL-02-QT2-2024

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Sun Sep 15 08:56:37 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

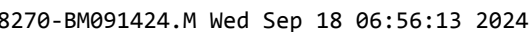
Reviewed By :Jagrut Upadhyay 09/18/2024  
 Supervised By :mohammad ahmed 09/19/2024

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 44) 2,4,5-Trichlorophenol     | 12.974 | 196  | 107326   | 5.932  | ng    | 94       |
| 46) 1,1'-Biphenyl             | 13.316 | 154  | 514680   | 7.001  | ng    | 99       |
| 47) 2-Chloronaphthalene       | 13.351 | 162  | 378096   | 6.623  | ng    | 98       |
| 48) 2-Nitroaniline            | 13.545 | 65   | 104261   | 6.218  | ng    | 94       |
| 49) Acenaphthylene            | 14.198 | 152  | 590354   | 7.166  | ng    | 98       |
| 50) Dimethylphthalate         | 13.933 | 163  | 439411   | 6.823  | ng    | 100      |
| 51) 2,6-Dinitrotoluene        | 14.045 | 165  | 83729    | 6.159  | ng    | 97       |
| 52) Acenaphthene              | 14.539 | 154  | 369445   | 6.401  | ng    | 98       |
| 53) 3-Nitroaniline            | 14.368 | 138  | 95027    | 6.288  | ng    | 97       |
| 54) 2,4-Dinitrophenol         | 14.568 | 184  | 29220    | 8.280  | ng    | 86       |
| 55) Dibenzofuran              | 14.874 | 168  | 547071   | 6.745  | ng    | 96       |
| 56) 4-Nitrophenol             | 14.668 | 139  | 75713    | 6.089  | ng    | 96       |
| 57) 2,4-Dinitrotoluene        | 14.827 | 165  | 105357   | 5.811  | ng    | 93       |
| 58) Fluorene                  | 15.521 | 166  | 449377   | 6.154  | ng    | 99       |
| 59) 2,3,4,6-Tetrachlorophenol | 15.098 | 232  | 85151    | 6.036  | ng    | 93       |
| 60) Diethylphthalate          | 15.298 | 149  | 460468   | 6.718  | ng    | 99       |
| 61) 4-Chlorophenyl-phenyle... | 15.521 | 204  | 199551   | 5.976  | ng    | 99       |
| 62) 4-Nitroaniline            | 15.521 | 138  | 98346    | 5.537  | ng    | 89       |
| 63) Azobenzene                | 15.809 | 77   | 562761   | 7.457  | ng    | 96       |
| 65) 4,6-Dinitro-2-methylph... | 15.586 | 198  | 52257    | 12.018 | ng    | 92       |
| 66) n-Nitrosodiphenylamine    | 15.727 | 169  | 353009   | 6.407  | ng    | 98       |
| 67) 4-Bromophenyl-phenylether | 16.409 | 248  | 106367   | 6.078  | ng    | 99       |
| 68) Hexachlorobenzene         | 16.521 | 284  | 119884   | 6.047  | ng    | 94       |
| 69) Atrazine                  | 16.674 | 200  | 99382    | 6.526  | ng    | 99       |
| 70) Pentachlorophenol         | 16.862 | 266  | 116824   | 10.166 | ng    | 97       |
| 71) Phenanthrene              | 17.251 | 178  | 649070   | 6.540  | ng    | 99       |
| 72) Anthracene                | 17.345 | 178  | 601698   | 6.310  | ng    | 100      |
| 73) Carbazole                 | 17.609 | 167  | 602324   | 6.374  | ng    | 99       |
| 74) Di-n-butylphthalate       | 18.180 | 149  | 704798   | 6.233  | ng    | 98       |
| 75) Fluoranthene              | 19.262 | 202  | 639611   | 5.907  | ng    | 97       |
| 77) Benzidine                 | 19.439 | 184  | 185394   | 8.762  | ng    | 99       |
| 78) Pyrene                    | 19.621 | 202  | 678868   | 6.195  | ng    | 99       |
| 80) Butylbenzylphthalate      | 20.521 | 149  | 248137   | 5.882  | ng    | 92       |
| 81) Benzo(a)anthracene        | 21.421 | 228  | 665774   | 6.799  | ng    | 99       |
| 82) 3,3'-Dichlorobenzidine    | 21.339 | 252  | 176551   | 6.778  | ng    | 99       |
| 83) Chrysene                  | 21.480 | 228  | 629392   | 6.795  | ng    | 99       |
| 84) Bis(2-ethylhexyl)phtha... | 21.356 | 149  | 411800   | 6.232  | ng    | 98       |
| 85) Di-n-octyl phthalate      | 22.503 | 149  | 583687   | 6.244  | ng    | 98       |
| 87) Indeno(1,2,3-cd)pyrene    | 27.873 | 276  | 626631   | 7.261  | ng    | 98       |
| 88) Benzo(b)fluoranthene      | 23.503 | 252  | 573375   | 6.145  | ng    | 98       |
| 89) Benzo(k)fluoranthene      | 23.568 | 252  | 607851   | 6.573  | ng    | 98       |
| 90) Benzo(a)pyrene            | 24.315 | 252  | 513140   | 6.710  | ng    | # 97     |
| 91) Dibenzo(a,h)anthracene    | 27.932 | 278  | 507096   | 6.984  | ng    | 98       |
| 92) Benzo(g,h,i)perylene      | 28.932 | 276  | 487228   | 6.869  | ng    | 98       |

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

## Manual Integrations

Quant Time: Sep 17 14:49:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM091424.M  
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QLast Update : Sun Sep 15 08:56:37 2024  
Response via : Initial Calibration



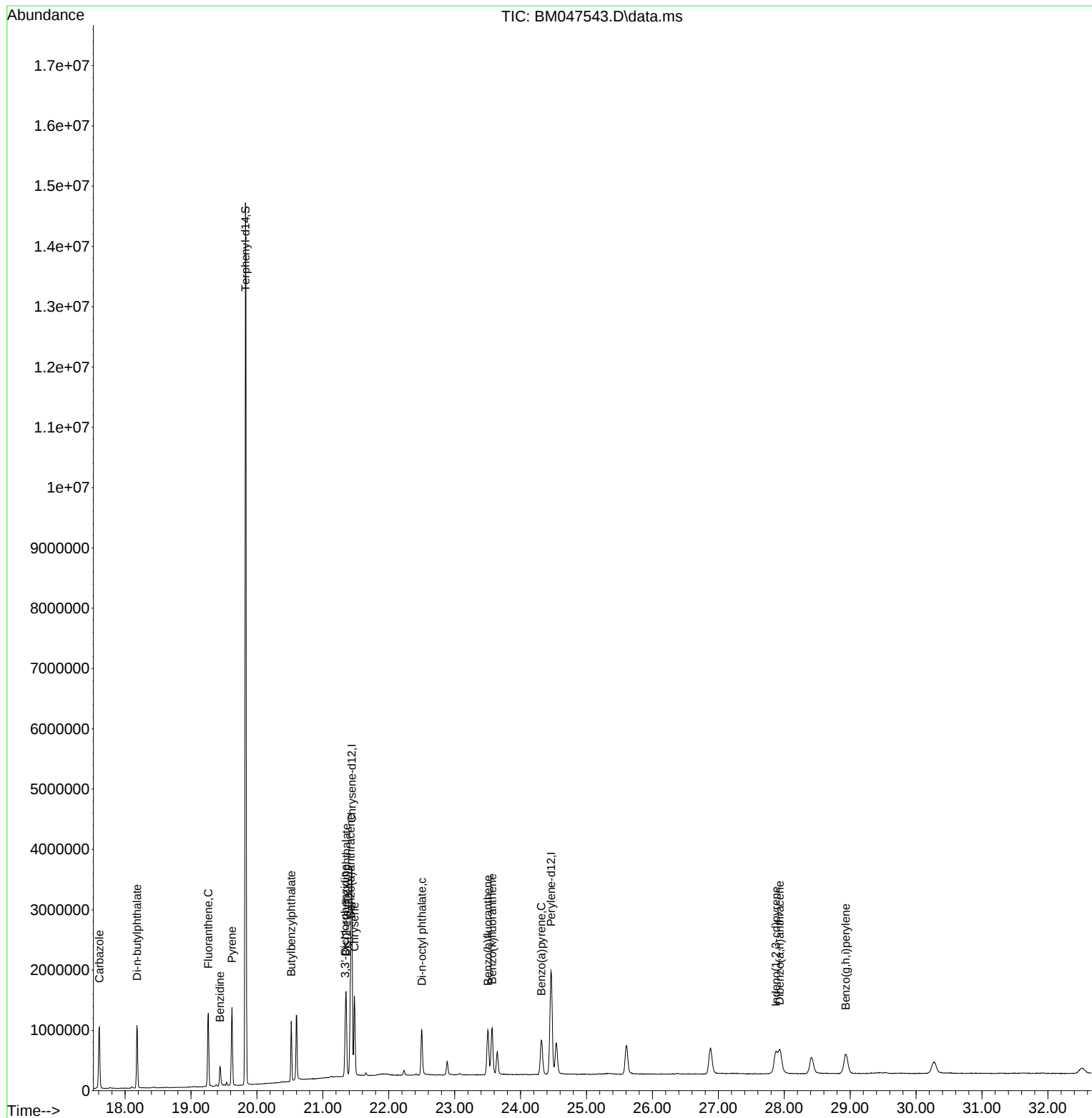
Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM091724\  
Data File : BM047543.D  
Acq On : 17 Sep 2024 14:14  
Operator : RC/JU  
Sample : P2403-02  
Misc : LOQ-SOIL-10 ppm  
ALS Vial : 7 Sample Multiplier: 1

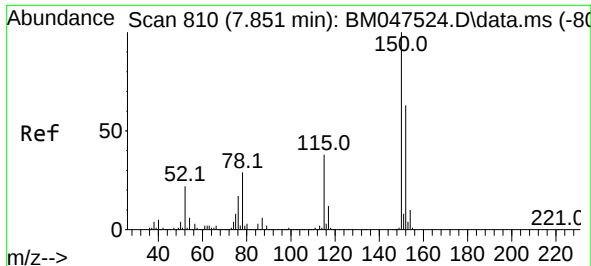
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024

Quant Time: Sep 17 14:49:53 2024  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\8270-BM091424.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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Manual Integrations  
APPROVED

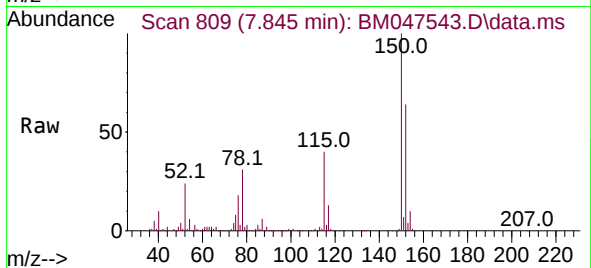
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024





#1  
1,4-Dichlorobenzene-d4  
Concen: 20.000 ng  
RT: 7.845 min Scan# 80  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

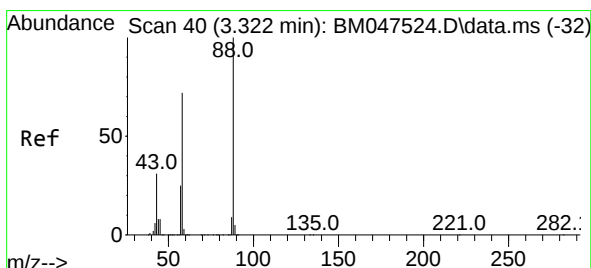
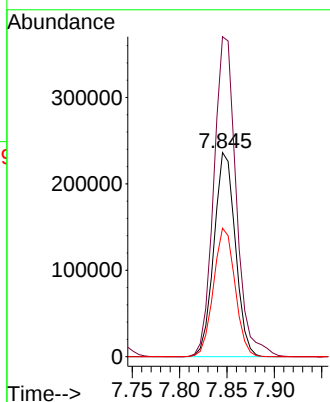
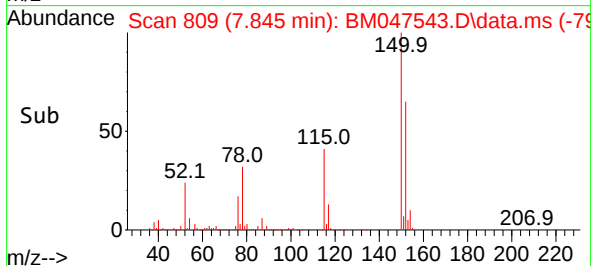
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 152 Resp: 37137  
Ion Ratio Lower Upper  
152 100  
150 156.7 126.8 190.2  
115 62.9 47.8 71.8

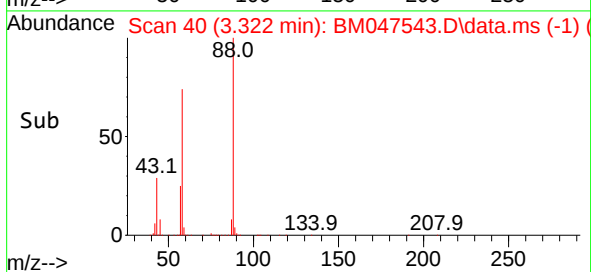
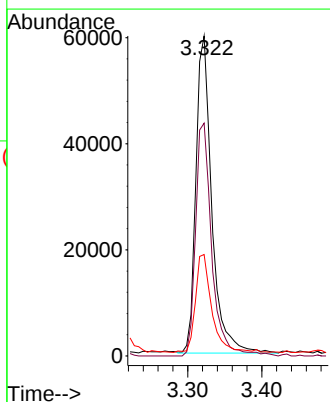
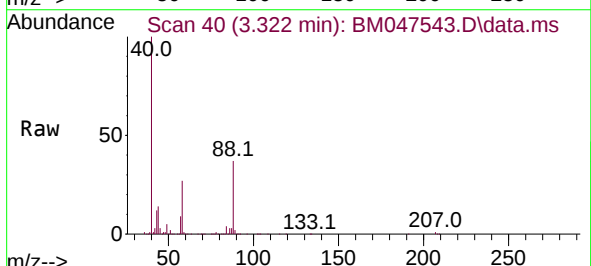
Manual Integrations  
APPROVED

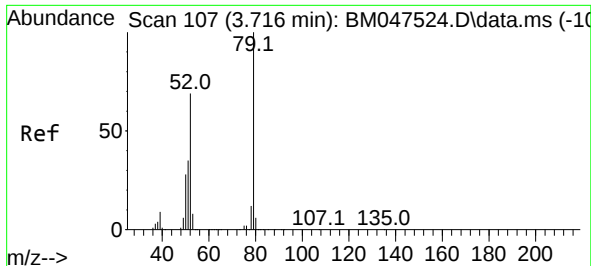
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#2  
1,4-Dioxane  
Concen: 8.908 ng  
RT: 3.322 min Scan# 40  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

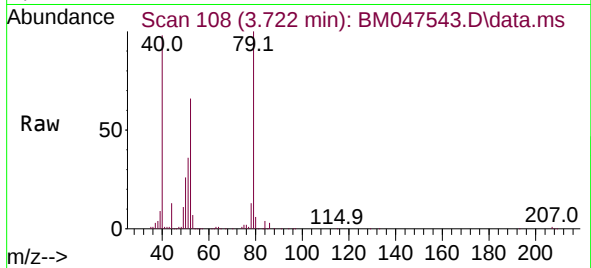
Tgt Ion: 88 Resp: 88994  
Ion Ratio Lower Upper  
88 100  
58 74.8 59.0 88.6  
43 31.9 25.0 37.4





#3  
Pyridine  
Concen: 7.330 ng  
RT: 3.722 min Scan# 107  
Delta R.T. 0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

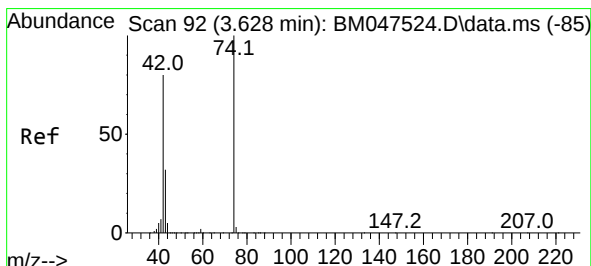
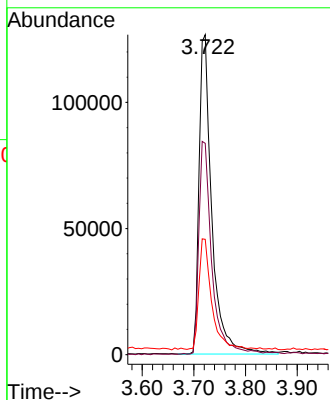
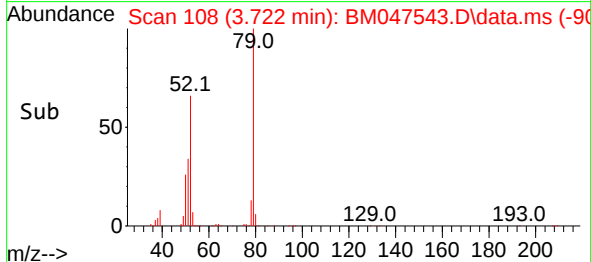
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 79 Resp: 217980  
Ion Ratio Lower Upper  
79 100  
52 66.1 55.4 83.0  
51 36.0 27.9 41.9

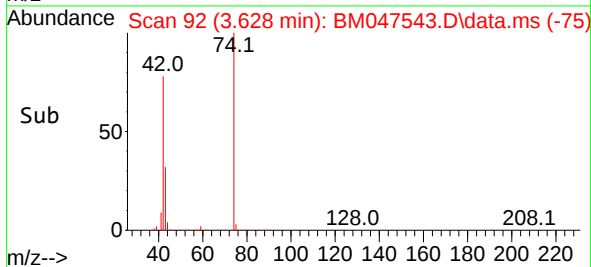
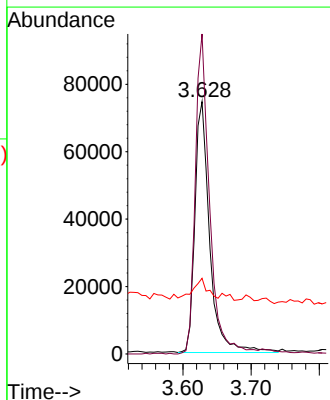
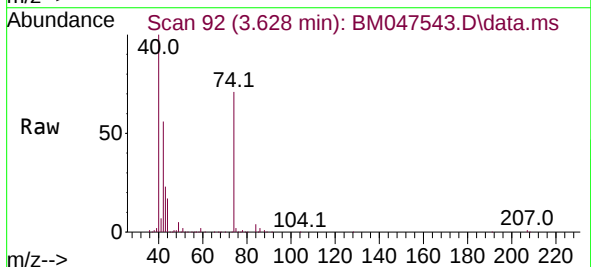
Manual Integrations  
APPROVED

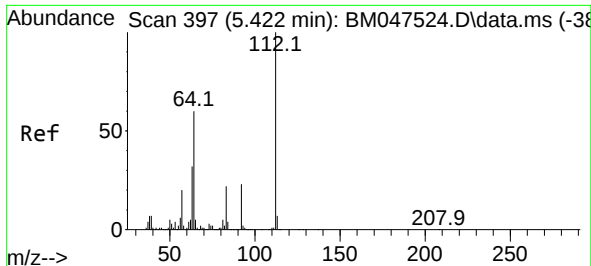
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#4  
n-Nitrosodimethylamine  
Concen: 8.327 ng  
RT: 3.628 min Scan# 92  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

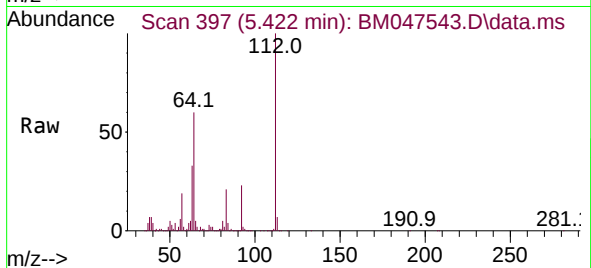
Tgt Ion: 42 Resp: 112351  
Ion Ratio Lower Upper  
42 100  
74 126.8 100.5 150.7  
44 30.0 6.9 10.3





#5  
2-Fluorophenol  
Concen: 93.218 ng  
RT: 5.422 min Scan# 397  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

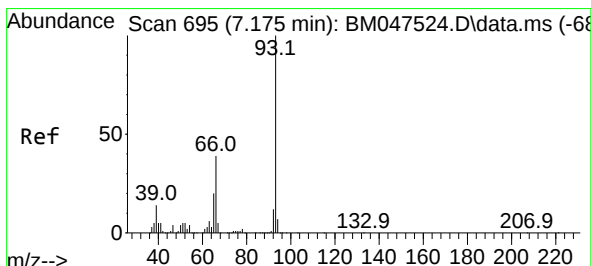
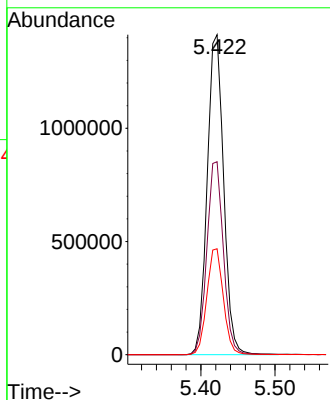
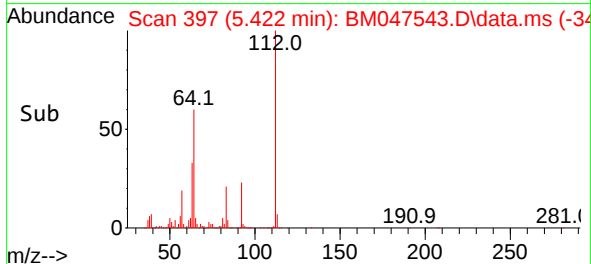
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 112 Resp: 2174230  
Ion Ratio Lower Upper  
112 100  
64 60.3 48.2 72.4  
63 33.1 26.0 39.0

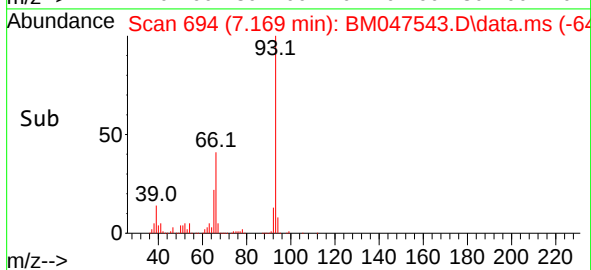
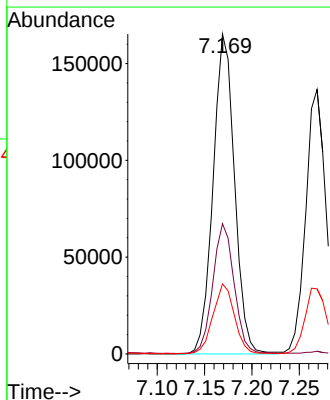
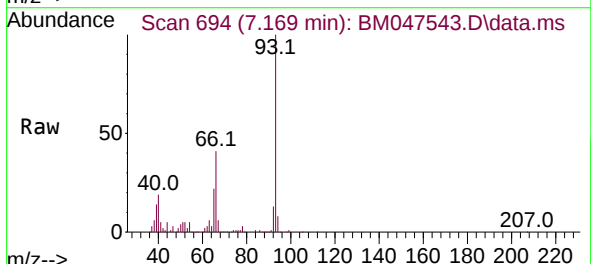
Manual Integrations  
APPROVED

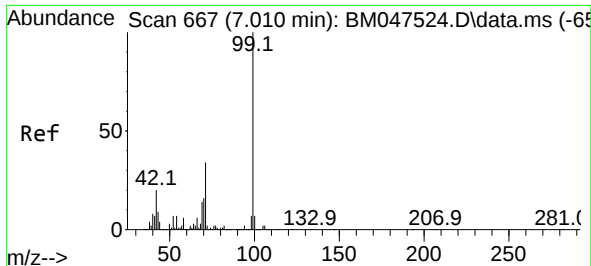
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#6  
Aniline  
Concen: 8.950 ng  
RT: 7.169 min Scan# 694  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

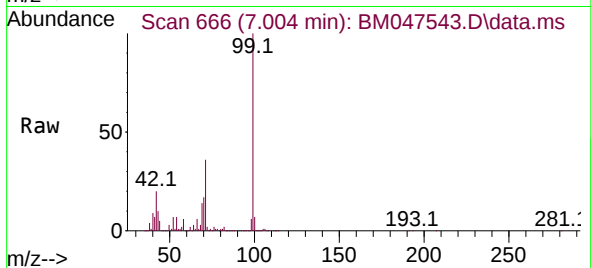
Tgt Ion: 93 Resp: 260646  
Ion Ratio Lower Upper  
93 100  
66 40.7 31.4 47.0  
65 21.9 16.3 24.5





#7  
Phenol-d6  
Concen: 90.648 ng  
RT: 7.004 min Scan# 666  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

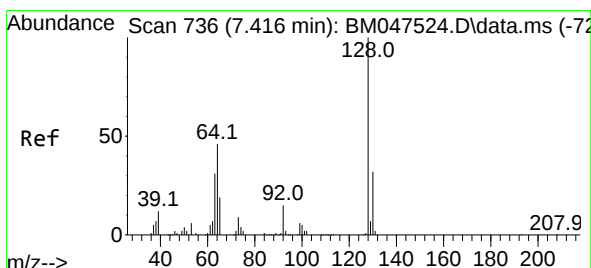
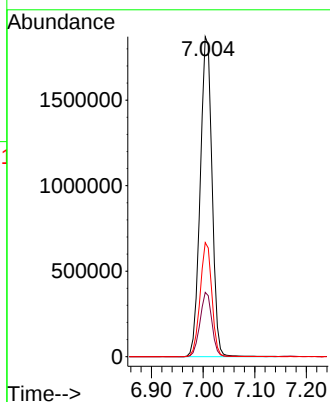
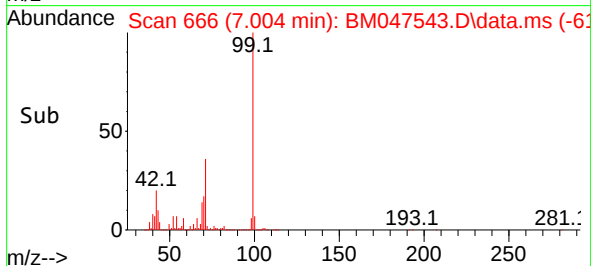
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 99 Resp: 2977530  
Ion Ratio Lower Upper  
99 100  
42 20.1 15.8 23.8  
71 35.6 27.6 41.4

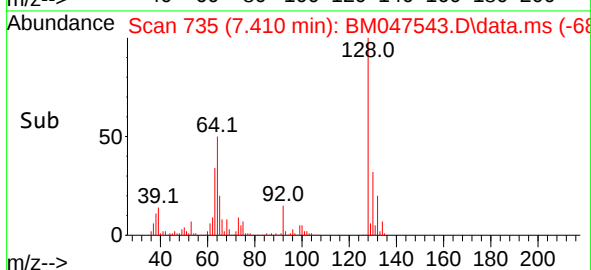
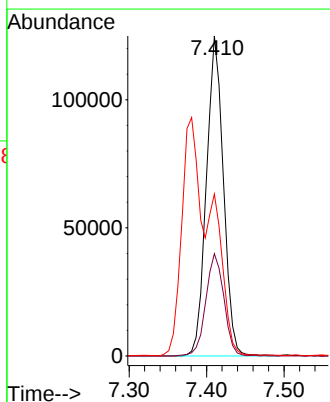
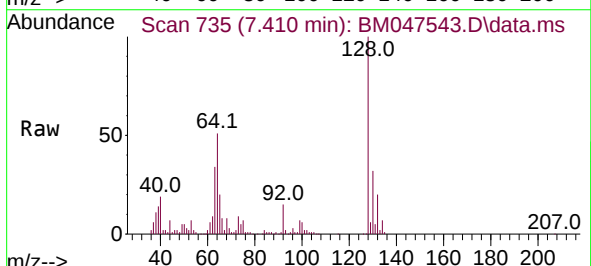
Manual Integrations  
APPROVED

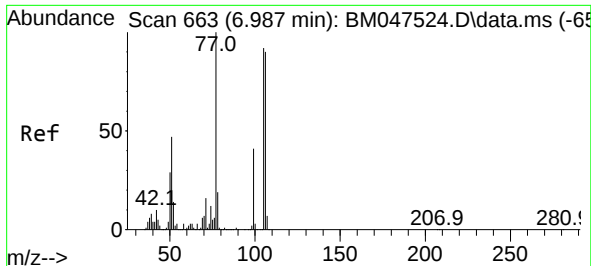
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#8  
2-Chlorophenol  
Concen: 7.416 ng  
RT: 7.410 min Scan# 735  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

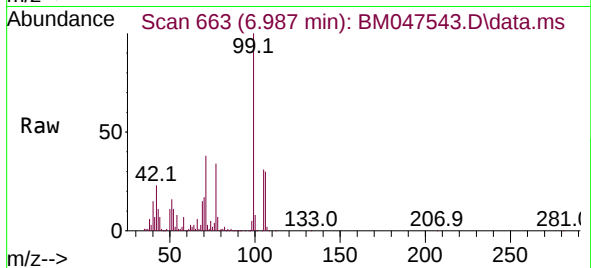
Tgt Ion:128 Resp: 190677  
Ion Ratio Lower Upper  
128 100  
130 32.0 11.8 51.8  
64 50.6 27.6 67.6





#9  
Benzaldehyde  
Concen: 12.662 ng m  
RT: 6.987 min Scan# 663  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

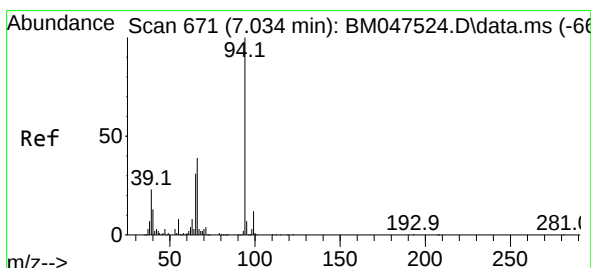
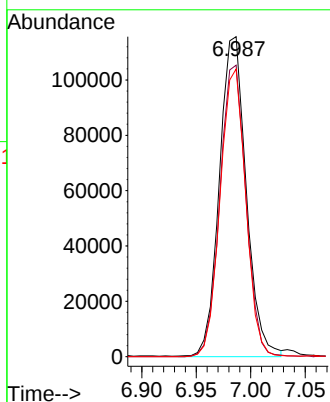
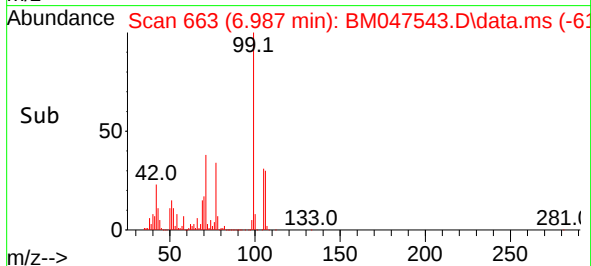
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 77 Resp: 19776  
Ion Ratio Lower Upper  
77 100  
105 91.1 71.8 111.8  
106 89.9 69.7 109.7

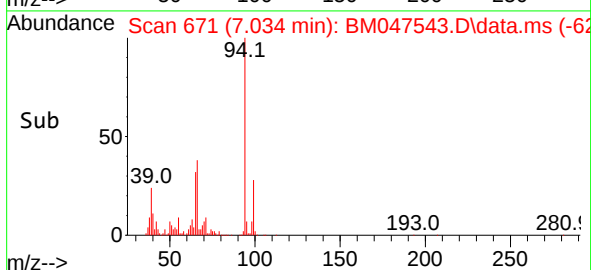
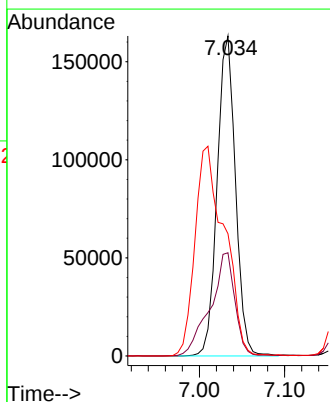
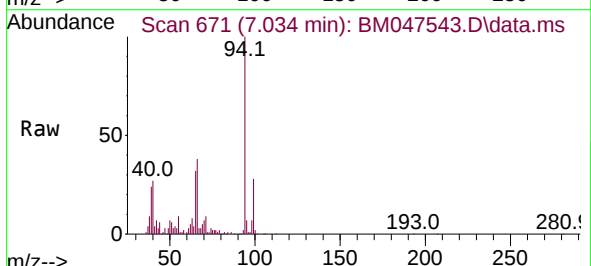
Manual Integrations  
APPROVED

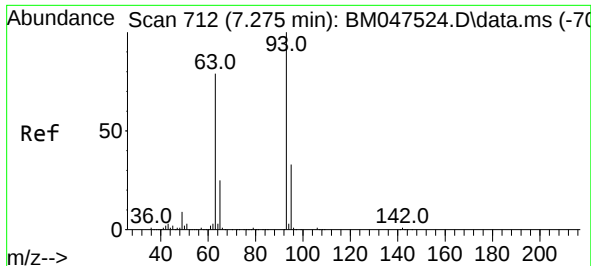
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#10  
Phenol  
Concen: 7.414 ng  
RT: 7.034 min Scan# 671  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

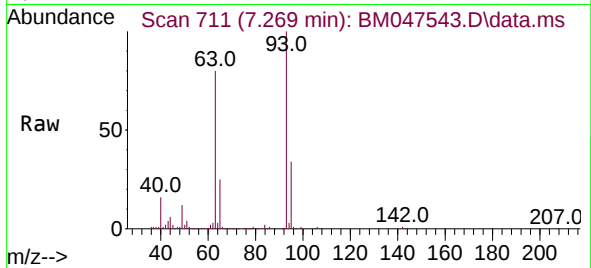
Tgt Ion: 94 Resp: 243848  
Ion Ratio Lower Upper  
94 100  
65 32.3 10.8 50.8  
66 38.2 19.2 59.2





#11  
bis(2-Chloroethyl)ether  
Concen: 7.681 ng  
RT: 7.269 min Scan# 712  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

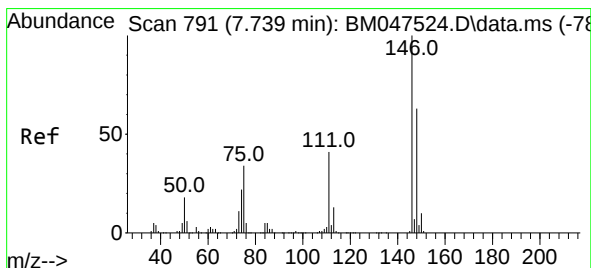
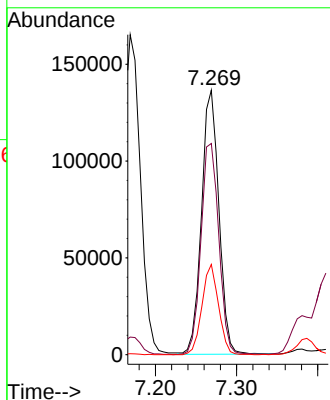
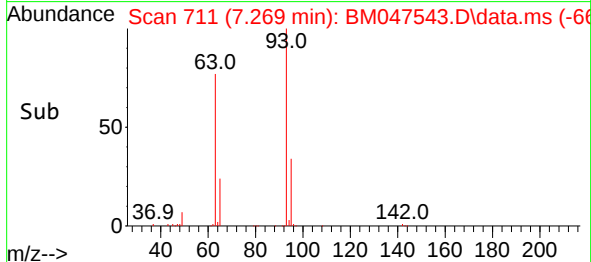
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 93 Resp: 202819  
Ion Ratio Lower Upper  
93 100  
63 79.8 58.2 98.2  
95 34.1 12.8 52.8

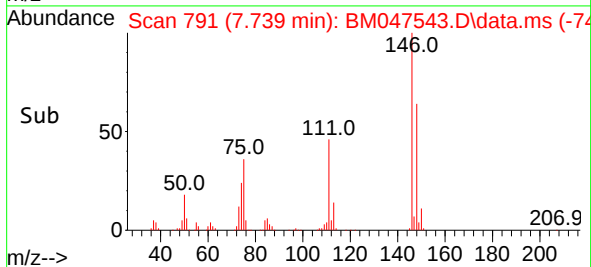
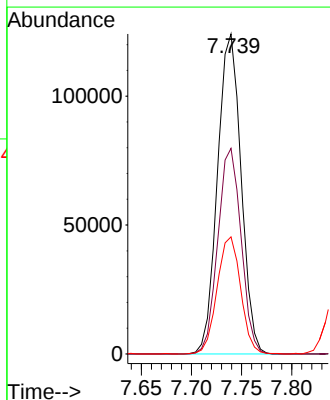
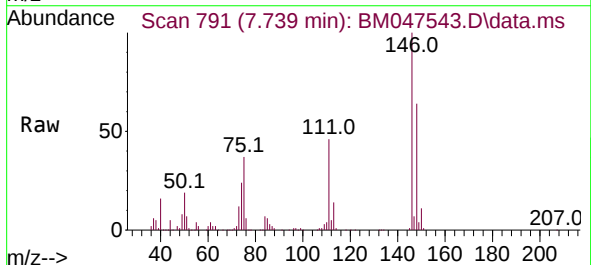
Manual Integrations  
APPROVED

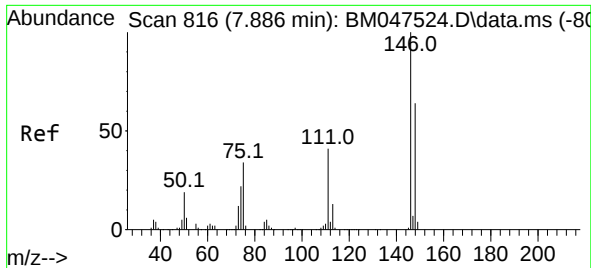
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#12  
1,3-Dichlorobenzene  
Concen: 7.205 ng  
RT: 7.739 min Scan# 791  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion:146 Resp: 202772  
Ion Ratio Lower Upper  
146 100  
148 64.2 50.2 75.4  
75 36.6 27.4 41.0





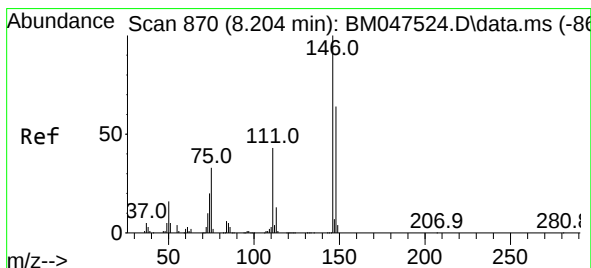
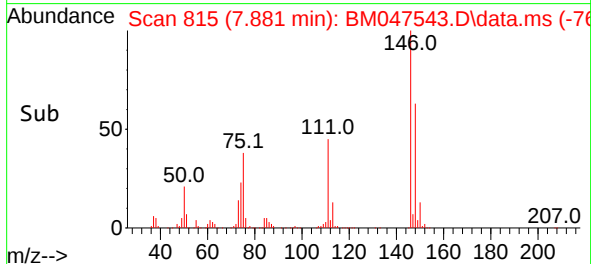
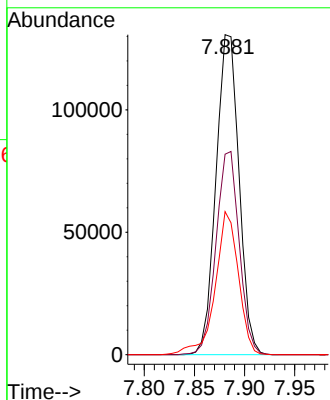
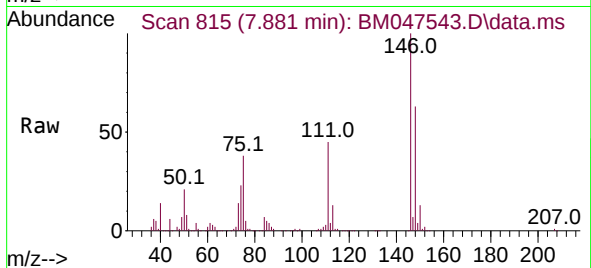
#13  
1,4-Dichlorobenzene  
Concen: 7.282 ng  
RT: 7.881 min Scan# 816  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024

Tgt Ion:146 Resp: 208735  
Ion Ratio Lower Upper  
146 100  
148 62.6 51.3 76.9  
111 44.7 32.9 49.3

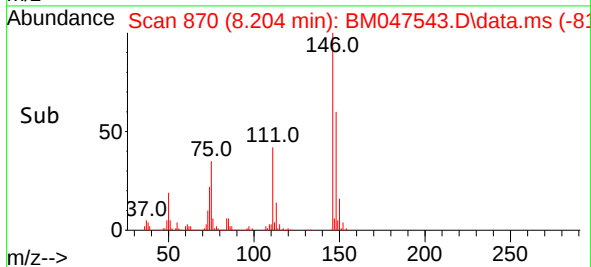
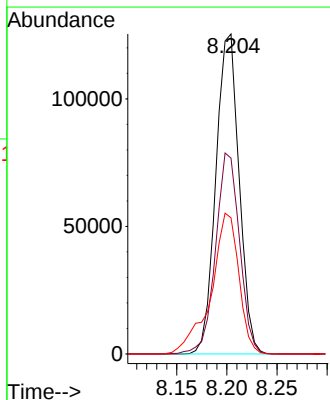
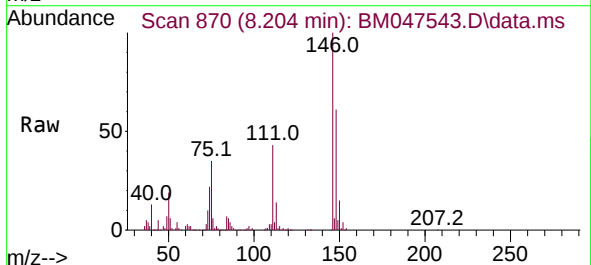
Manual Integrations  
APPROVED

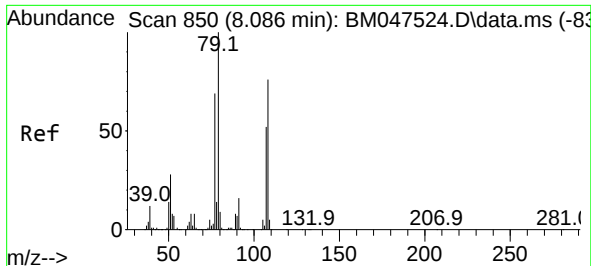
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#14  
1,2-Dichlorobenzene  
Concen: 7.165 ng  
RT: 8.204 min Scan# 870  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

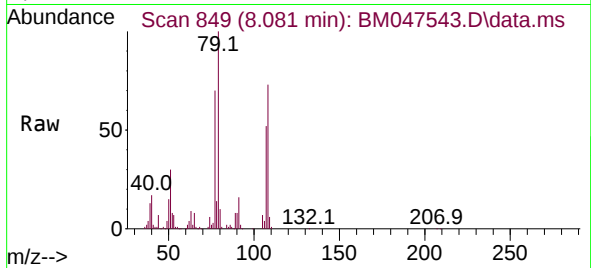
Tgt Ion:146 Resp: 202120  
Ion Ratio Lower Upper  
146 100  
148 61.2 51.1 76.7  
111 42.6 34.7 52.1





#15  
Benzyl Alcohol  
Concen: 7.402 ng  
RT: 8.081 min Scan# 849  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

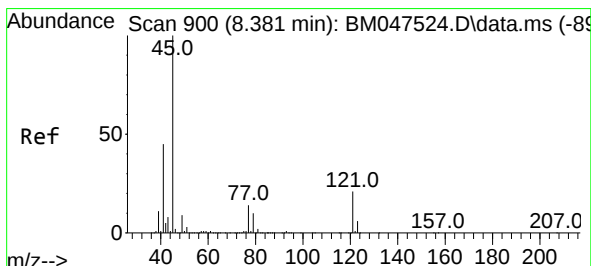
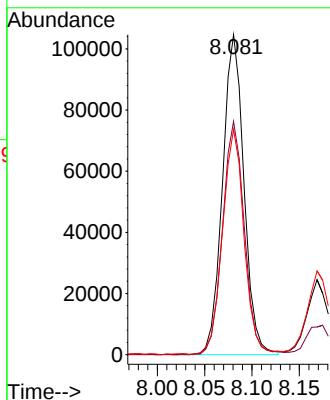
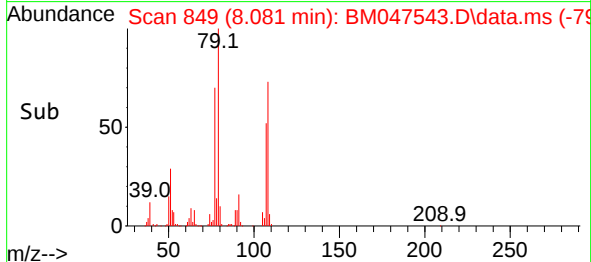
Instrument : BNA\_M  
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion: 79 Resp: 164680  
Ion Ratio Lower Upper  
79 100  
108 72.9 60.6 91.0  
77 70.4 55.0 82.4

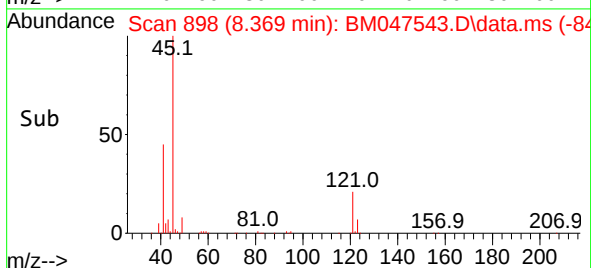
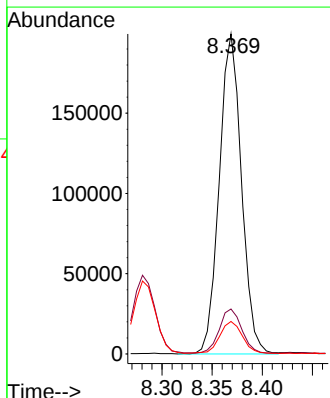
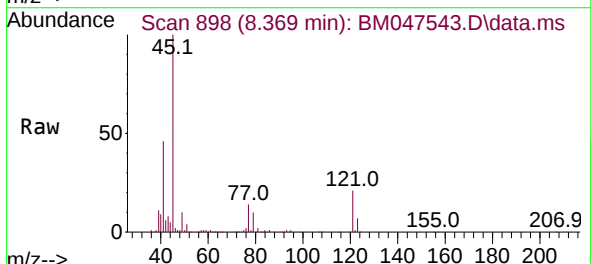
Manual Integrations  
APPROVED

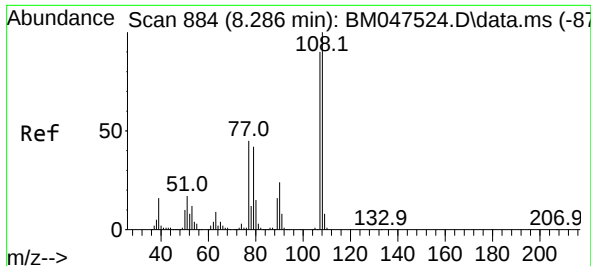
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#16  
2,2'-oxybis(1-Chloropropane)  
Concen: 8.239 ng  
RT: 8.369 min Scan# 898  
Delta R.T. -0.012 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

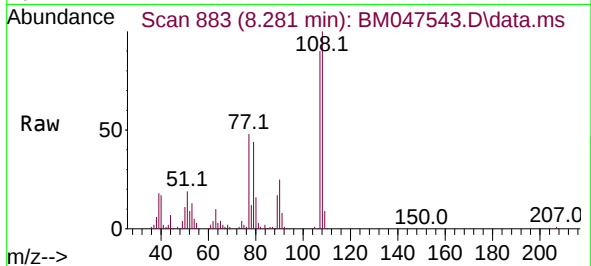
Tgt Ion: 45 Resp: 306015  
Ion Ratio Lower Upper  
45 100  
77 14.0 0.0 33.7  
79 10.1 0.0 30.3





#17  
2-Methylphenol  
Concen: 6.960 ng  
RT: 8.281 min Scan# 884  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

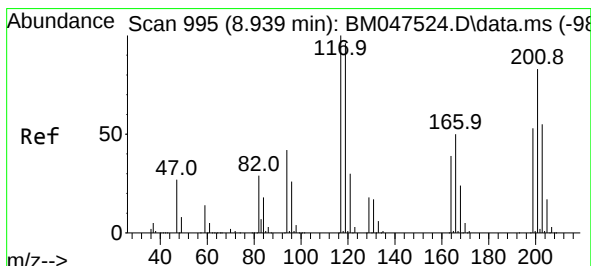
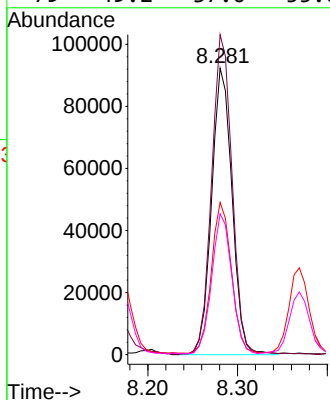
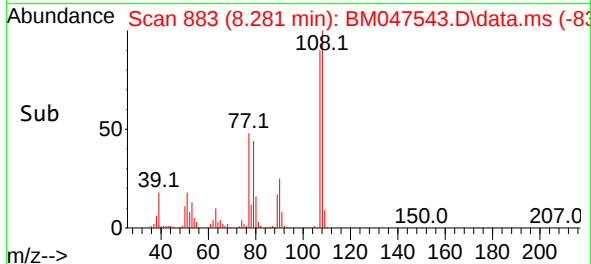
Instrument : BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 108     | 111.6 | 88.9  | 133.3 |
| 77      | 53.1  | 39.8  | 59.8  |
| 79      | 49.2  | 37.0  | 55.6  |

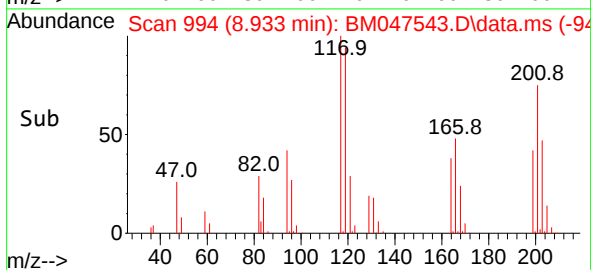
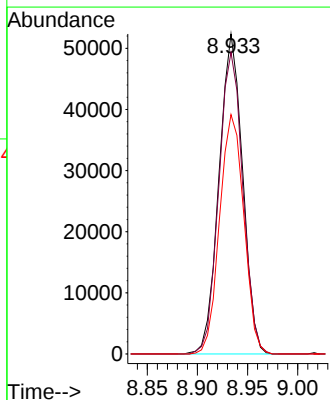
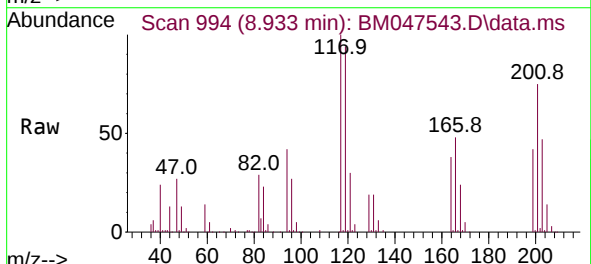
Manual Integrations  
APPROVED

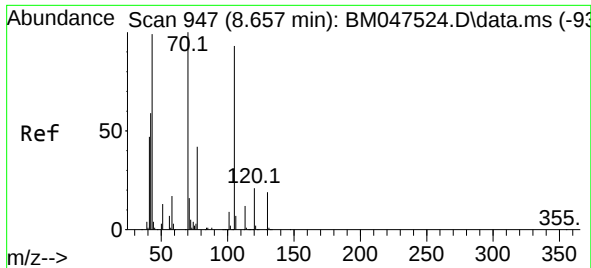
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#18  
Hexachloroethane  
Concen: 7.456 ng  
RT: 8.933 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

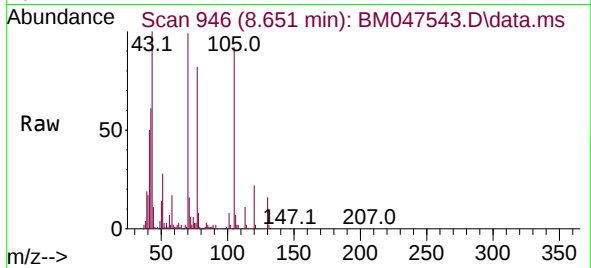
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 94.2  | 77.0  | 115.4 |
| 201     | 74.8  | 66.8  | 100.2 |





#19  
n-Nitroso-di-n-propylamine  
Concen: 7.273 ng  
RT: 8.651 min Scan# 947  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

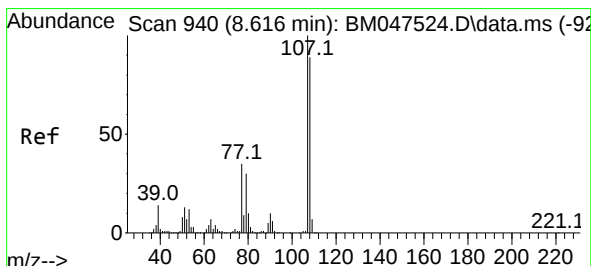
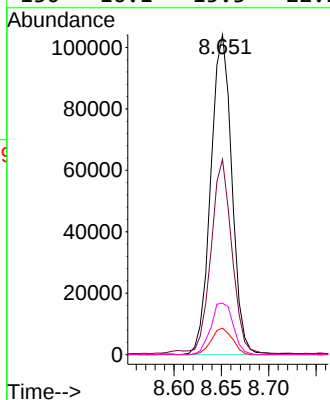
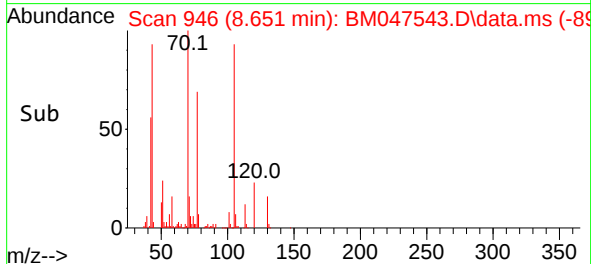
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 70 Resp: 161080  
Ion Ratio Lower Upper  
70 100  
42 61.0 48.2 72.2  
101 8.3 7.0 10.4  
130 16.1 15.3 22.9

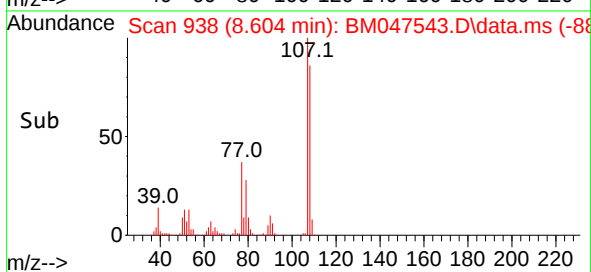
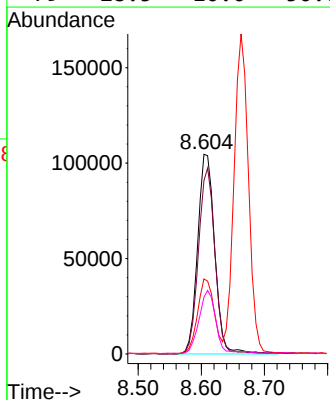
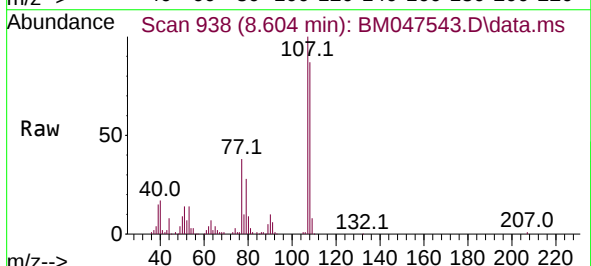
Manual Integrations  
APPROVED

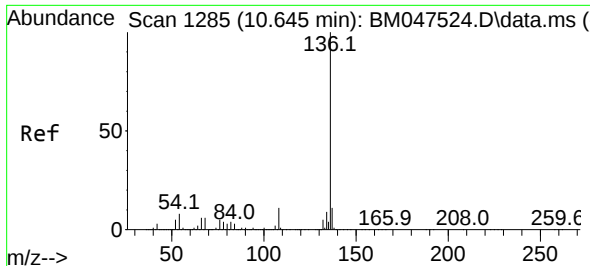
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#20  
3+4-Methylphenols  
Concen: 6.729 ng  
RT: 8.604 min Scan# 938  
Delta R.T. -0.012 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

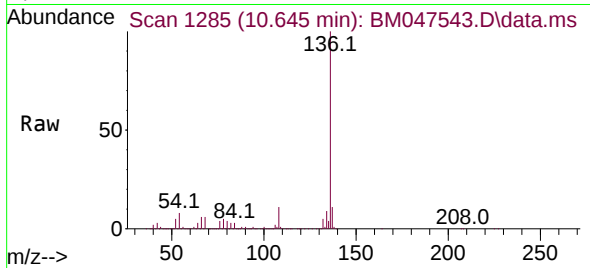
Tgt Ion:107 Resp: 197279  
Ion Ratio Lower Upper  
107 100  
108 86.8 68.9 108.9  
77 37.6 15.5 55.5  
79 28.5 10.0 50.0





#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.645 min Scan# 1285  
Delta R.T. 0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

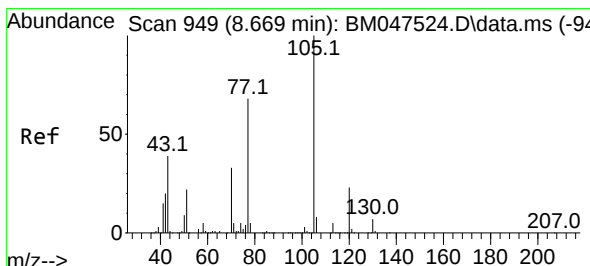
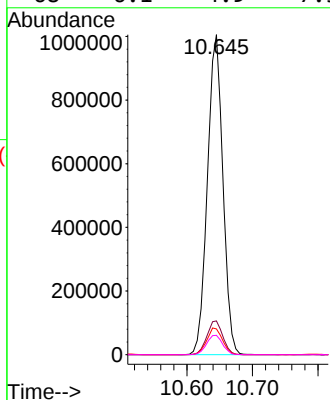
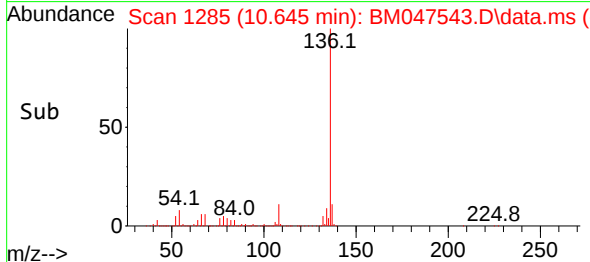
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:136 Resp: 1647092  
Ion Ratio Lower Upper  
136 100  
137 10.5 9.0 13.6  
54 8.1 6.6 9.8  
68 6.1 4.9 7.3

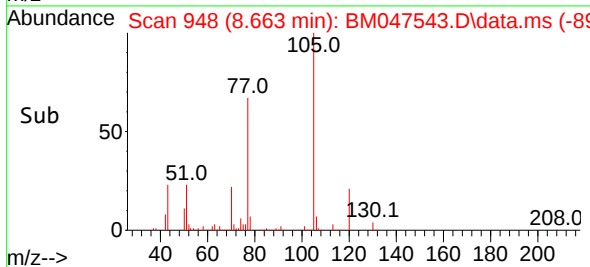
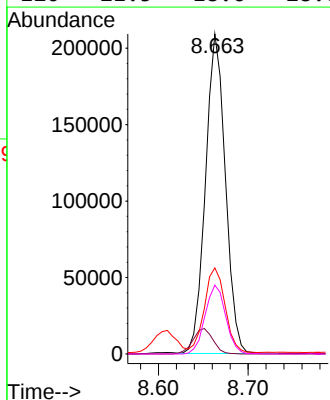
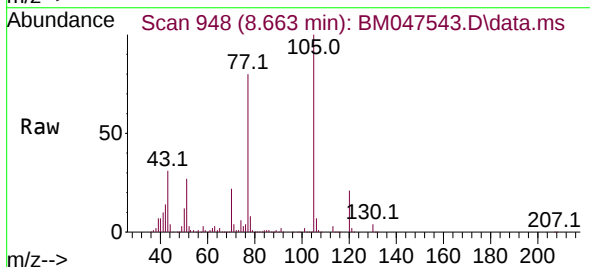
Manual Integrations  
APPROVED

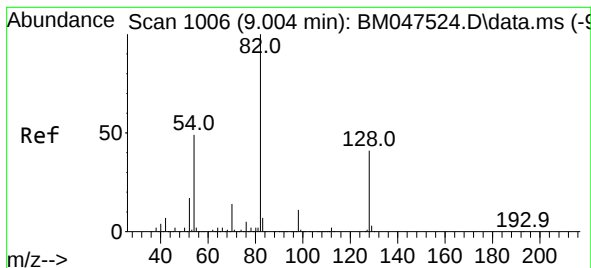
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#22  
Acetophenone  
Concen: 7.429 ng  
RT: 8.663 min Scan# 948  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion:105 Resp: 321682  
Ion Ratio Lower Upper  
105 100  
71 3.6 4.3 6.5#  
51 26.9 21.5 32.3  
120 21.5 18.6 28.0





#23

Nitrobenzene-d5

Concen: 64.790 ng

RT: 8.998 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 82 Resp: 2132328

Ion Ratio Lower Upper

82 100

128 39.1 33.0 49.4

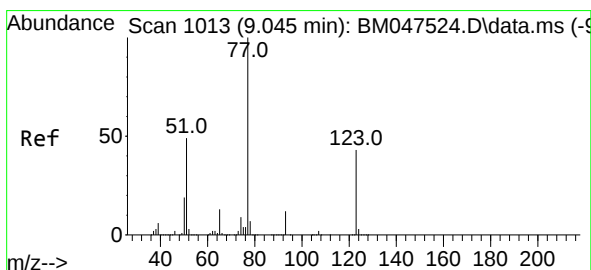
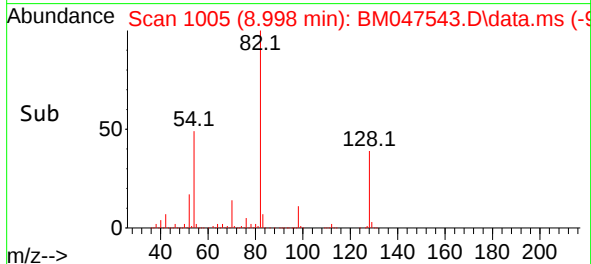
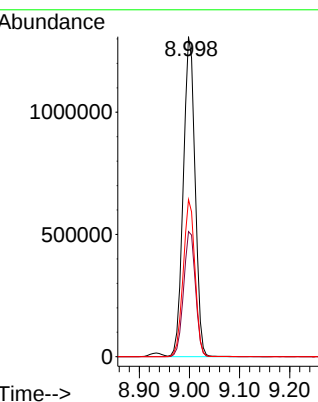
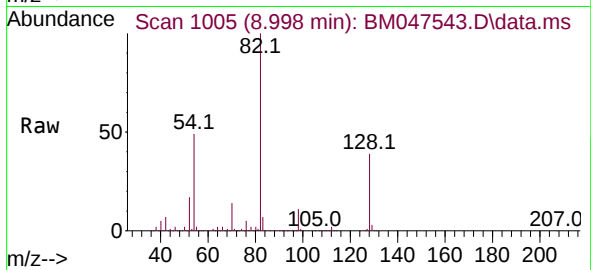
54 49.1 39.3 58.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#24

Nitrobenzene

Concen: 7.377 ng

RT: 9.039 min Scan# 1012

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

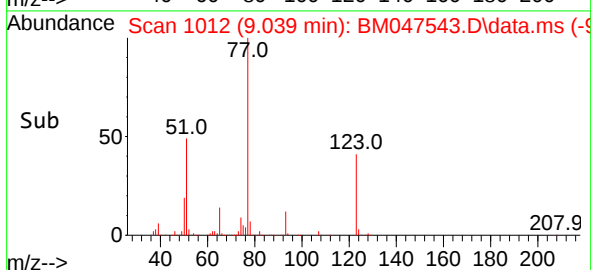
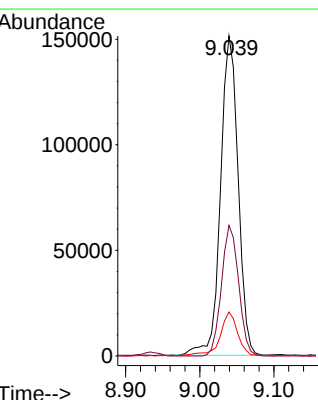
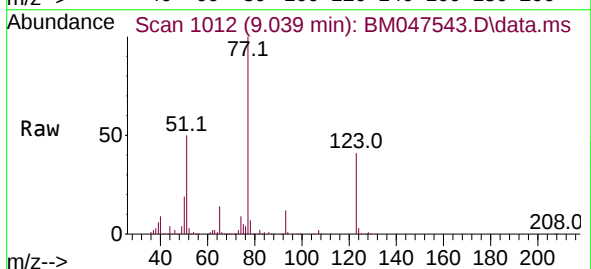
Tgt Ion: 77 Resp: 249498

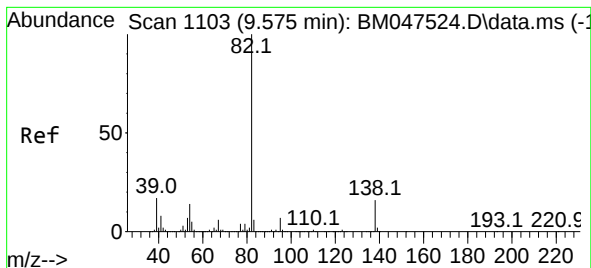
Ion Ratio Lower Upper

77 100

123 40.8 34.5 51.7

65 13.8 10.7 16.1





#25

Isophorone

Concen: 7.276 ng

RT: 9.569 min Scan# 1103

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

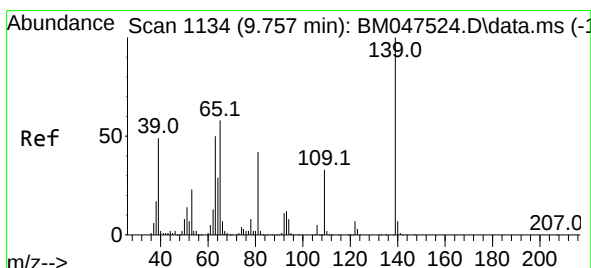
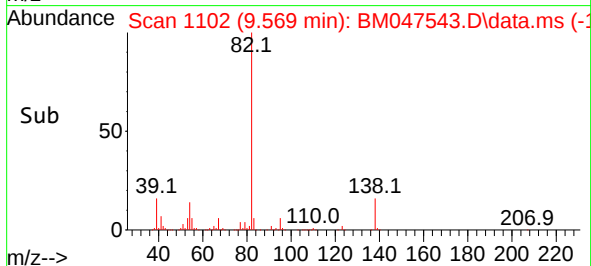
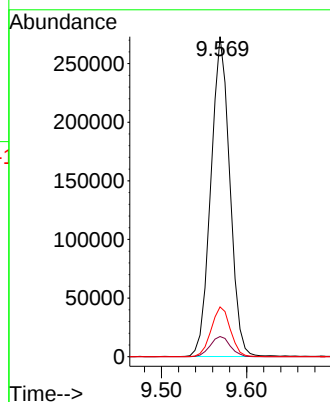
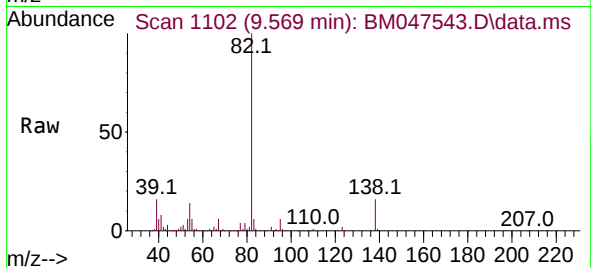
Tgt Ion: 82 Resp: 42101

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 82  | 100   |       |       |
| 95  | 6.3   | 5.4   | 8.0   |
| 138 | 15.6  | 12.9  | 19.3  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#26

2-Nitrophenol

Concen: 5.867 ng

RT: 9.757 min Scan# 1134

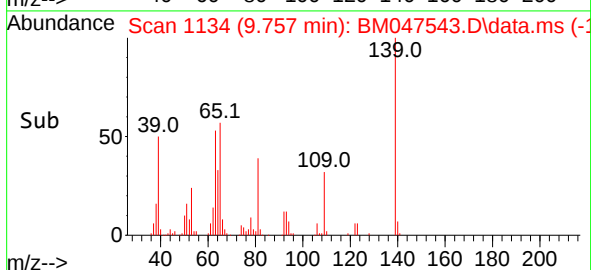
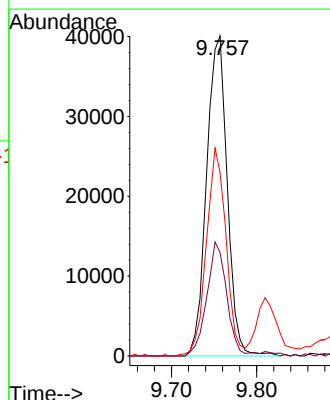
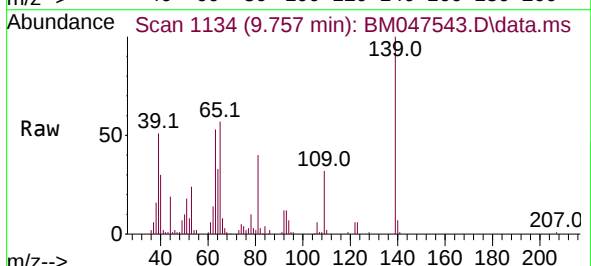
Delta R.T. -0.000 min

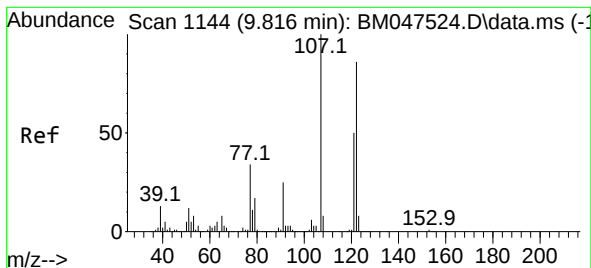
Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion:139 Resp: 67613

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 32.4  | 26.0  | 39.0  |
| 65  | 57.2  | 46.2  | 69.4  |





#27

2,4-Dimethylphenol

Concen: 5.280 ng

RT: 9.810 min Scan# 1144

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

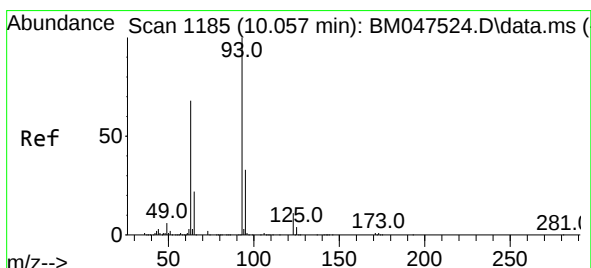
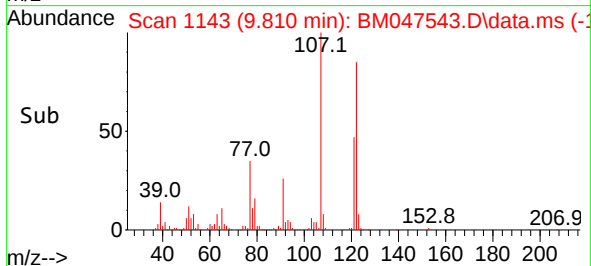
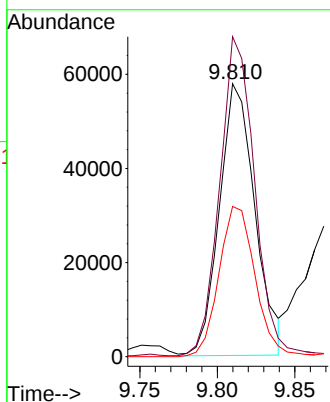
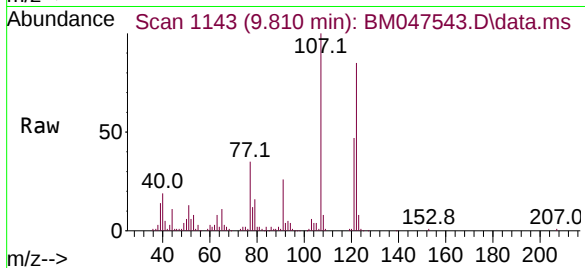
Tgt Ion:122 Resp: 92230

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 122 | 100   |       |       |
| 107 | 117.2 | 92.4  | 138.6 |
| 121 | 55.0  | 46.2  | 69.4  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#28

bis(2-Chloroethoxy)methane

Concen: 7.356 ng

RT: 10.051 min Scan# 1184

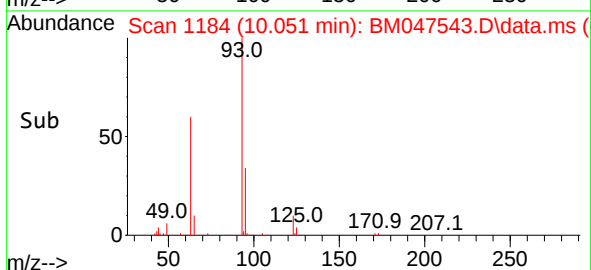
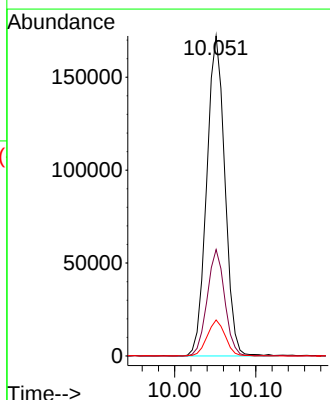
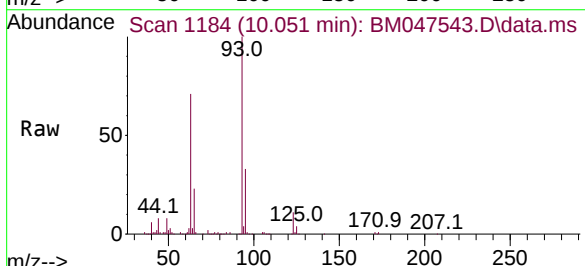
Delta R.T. -0.006 min

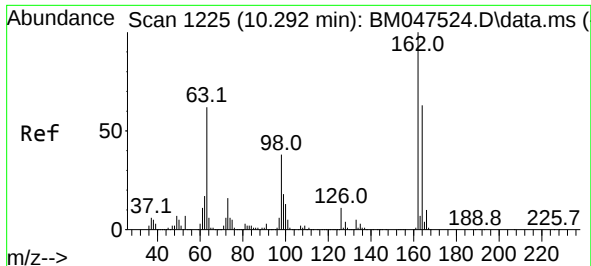
Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion: 93 Resp: 267362

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 93  | 100   |       |       |
| 95  | 33.3  | 26.2  | 39.2  |
| 123 | 11.2  | 9.2   | 13.8  |





#29

2,4-Dichlorophenol

Concen: 6.334 ng

RT: 10.286 min Scan# 1224

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

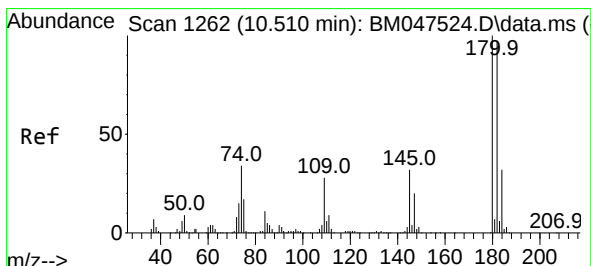
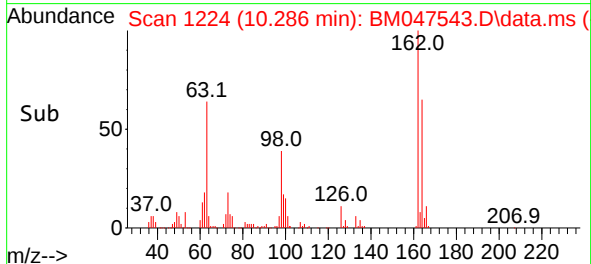
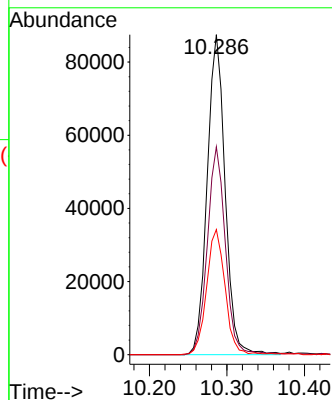
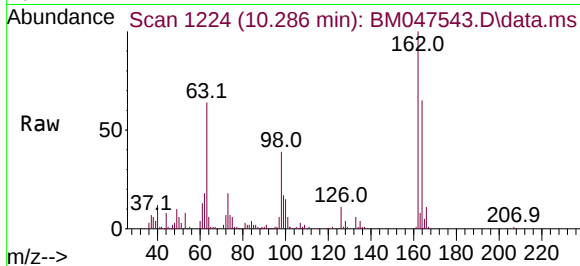
LOQ-SOIL-02-QT2-2024

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 162   | Resp: | 14058 |
| Ion Ratio | Lower | Upper |       |
| 162       | 100   |       |       |
| 164       | 64.9  | 43.5  | 83.5  |
| 98        | 39.1  | 17.6  | 57.6  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#30

1,2,4-Trichlorobenzene

Concen: 6.612 ng

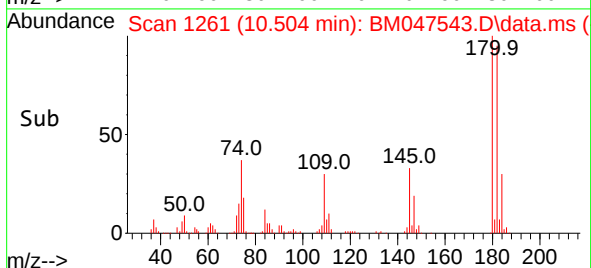
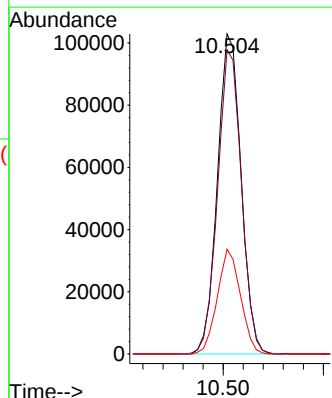
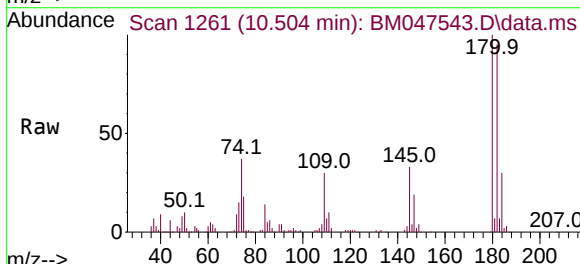
RT: 10.504 min Scan# 1261

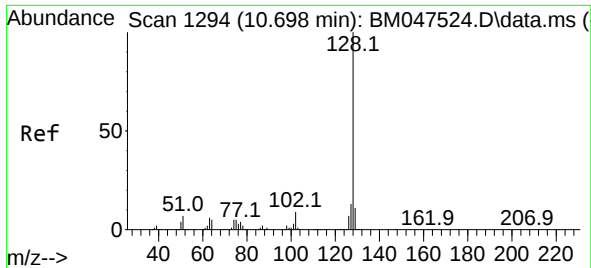
Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

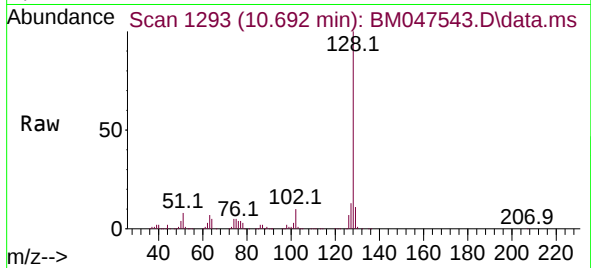
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 168109 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 95.0  | 77.6  | 116.4  |
| 145       | 32.7  | 25.4  | 38.0   |





#31  
Naphthalene  
Concen: 6.838 ng  
RT: 10.692 min Scan# 1157  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

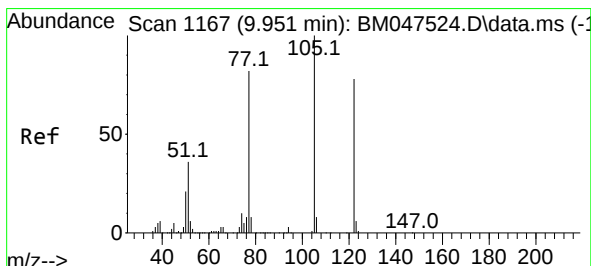
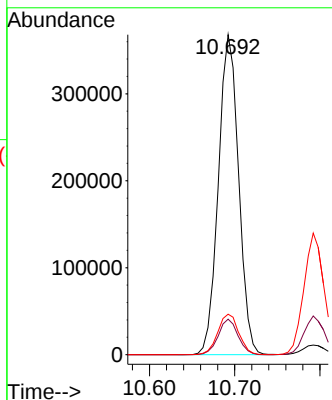
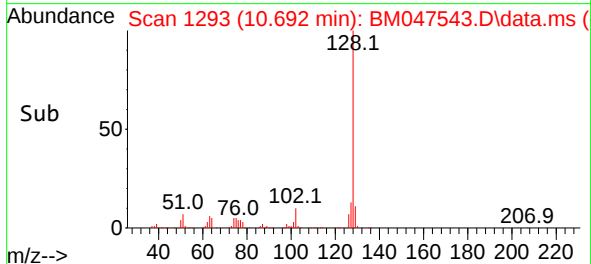
Instrument : BNA\_M  
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:128 Resp: 608314  
Ion Ratio Lower Upper  
128 100  
129 11.1 8.7 13.1  
127 12.6 10.5 15.7

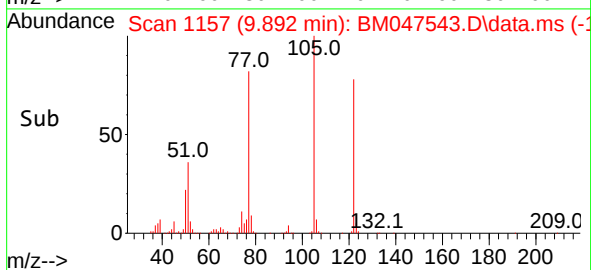
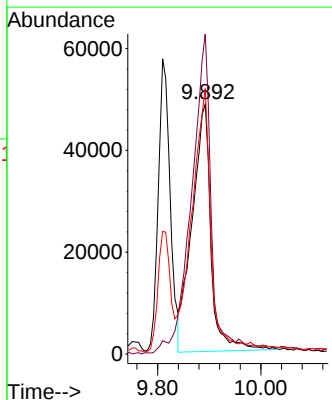
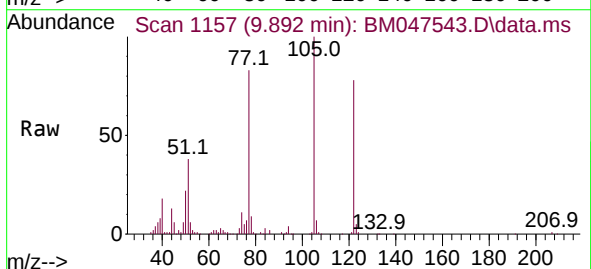
Manual Integrations  
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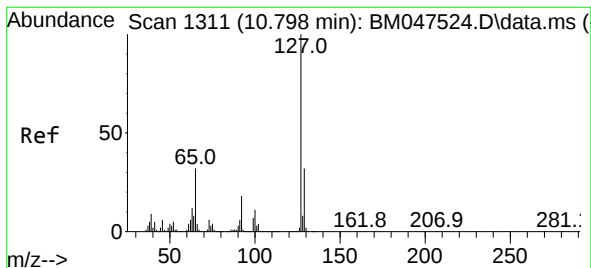
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#32  
Benzoic acid  
Concen: 12.851 ng  
RT: 9.892 min Scan# 1157  
Delta R.T. -0.059 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

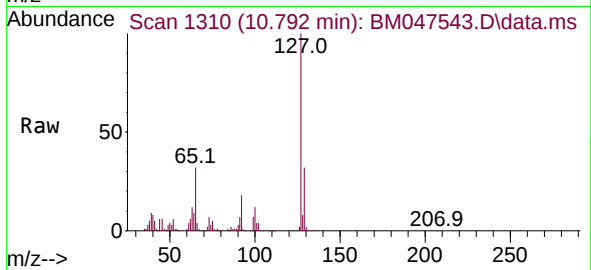
Tgt Ion:122 Resp: 123113  
Ion Ratio Lower Upper  
122 100  
105 128.1 104.7 144.7  
77 106.3 83.4 123.4





#33  
4-Chloroaniline  
Concen: 7.291 ng  
RT: 10.792 min Scan# 1310  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

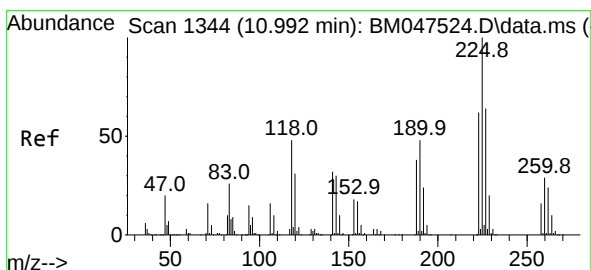
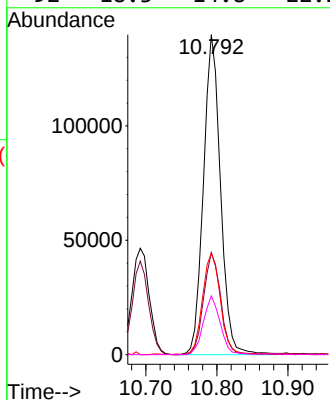
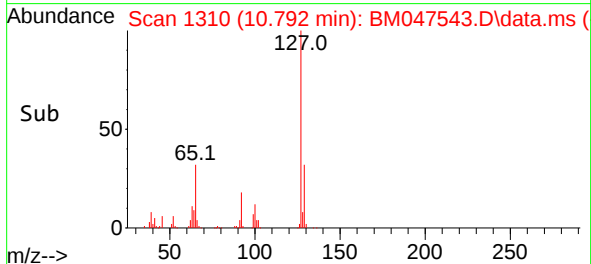
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 127   | Resp: | 23448 |
| Ion Ratio | Lower | Upper |       |
| 127       | 100   |       |       |
| 129       | 31.9  | 25.4  | 38.0  |
| 65        | 31.7  | 25.5  | 38.3  |
| 92        | 18.3  | 14.8  | 22.2  |

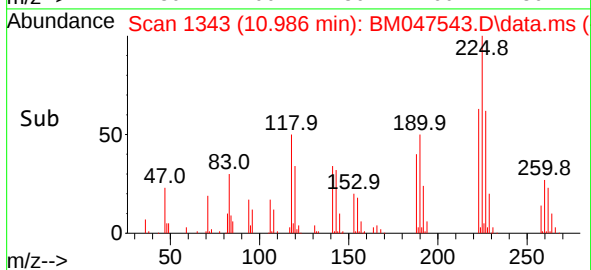
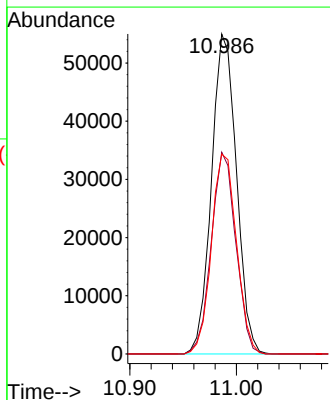
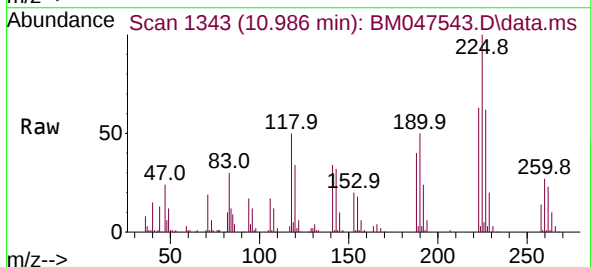
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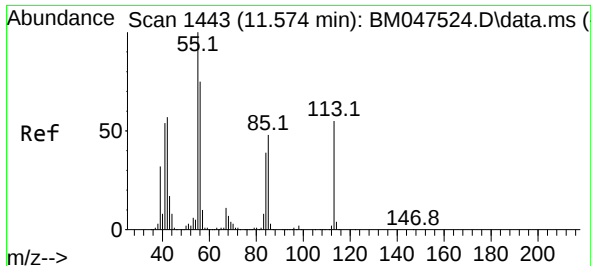
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#34  
Hexachlorobutadiene  
Concen: 6.352 ng  
RT: 10.986 min Scan# 1343  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

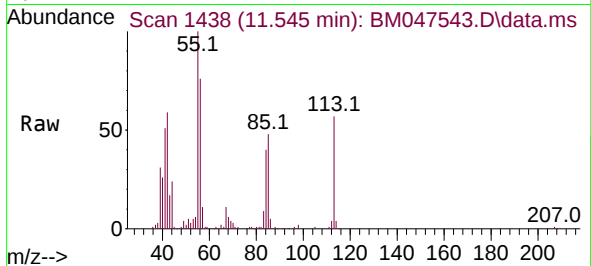
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 89450 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 63.0  | 49.8  | 74.6  |
| 227       | 62.4  | 51.0  | 76.4  |





#35  
Caprolactam  
Concen: 6.537 ng m  
RT: 11.545 min Scan# 1443  
Delta R.T. -0.029 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

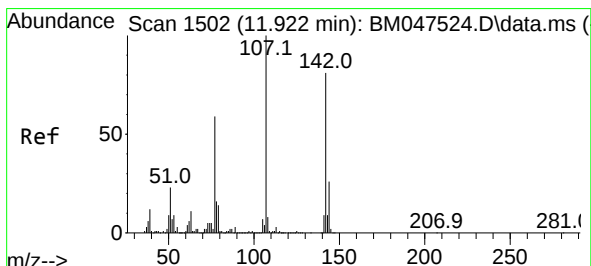
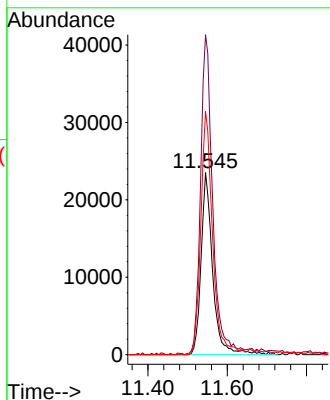
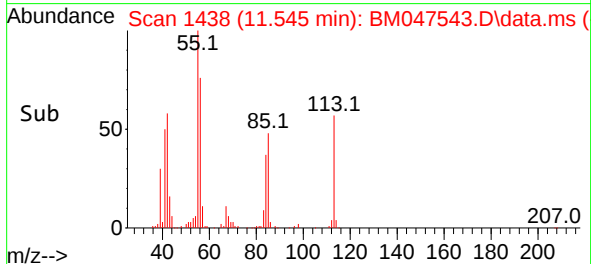
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:113 Resp: 47780  
Ion Ratio Lower Upper  
113 100  
55 175.7 162.5 202.5  
56 133.6 116.5 156.5

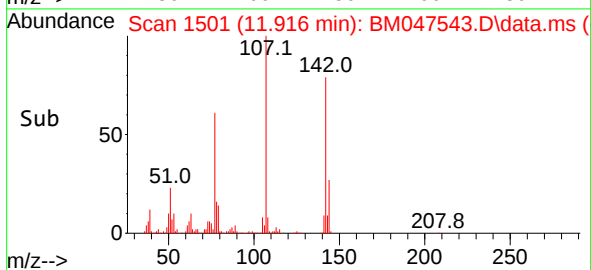
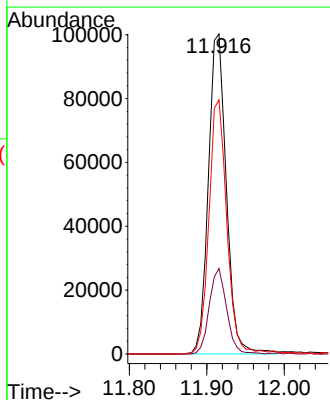
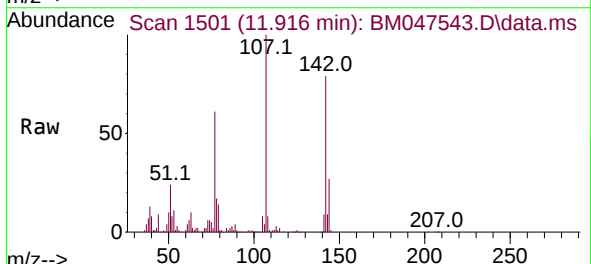
Manual Integrations  
APPROVED

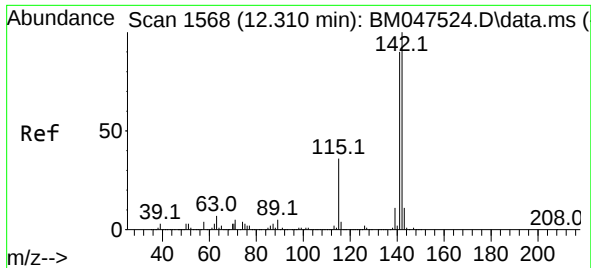
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#36  
4-Chloro-3-methylphenol  
Concen: 6.374 ng  
RT: 11.916 min Scan# 1501  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion:107 Resp: 162125  
Ion Ratio Lower Upper  
107 100  
144 26.7 20.5 30.7  
142 79.4 65.0 97.4





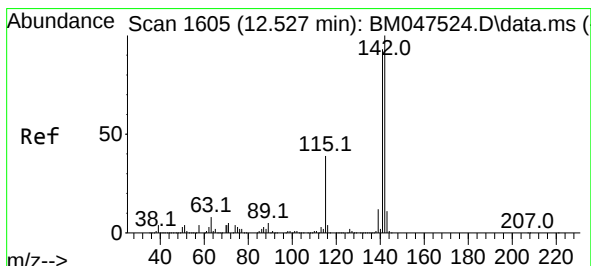
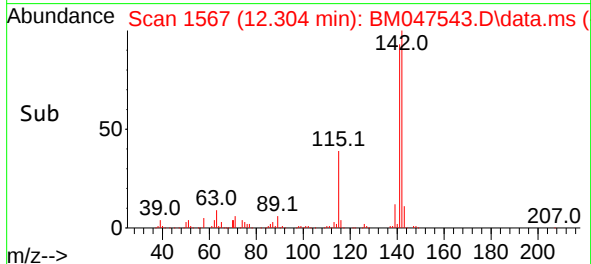
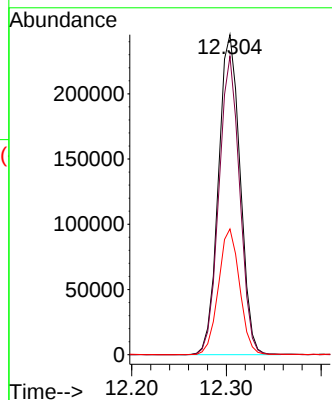
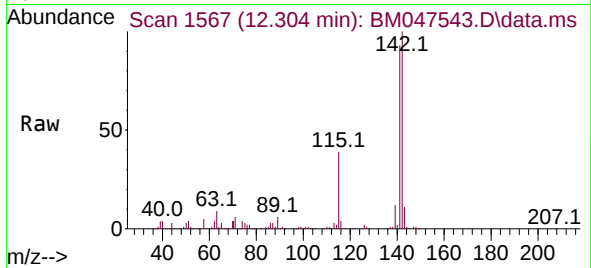
#37  
2-Methylnaphthalene  
Concen: 6.597 ng  
RT: 12.304 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024

Tgt Ion:142 Resp: 390560  
Ion Ratio Lower Upper  
142 100  
141 93.3 72.2 108.4  
115 39.3 29.1 43.7

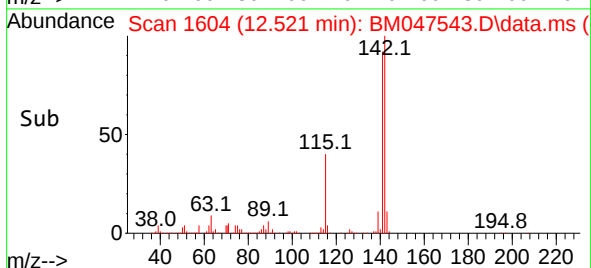
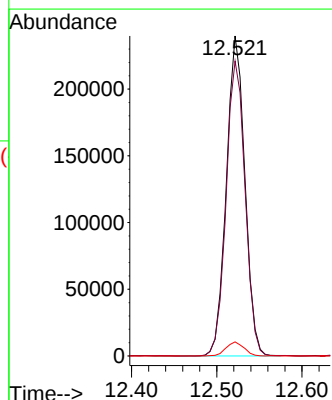
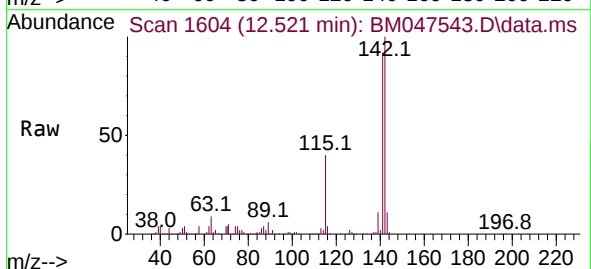
Manual Integrations  
APPROVED

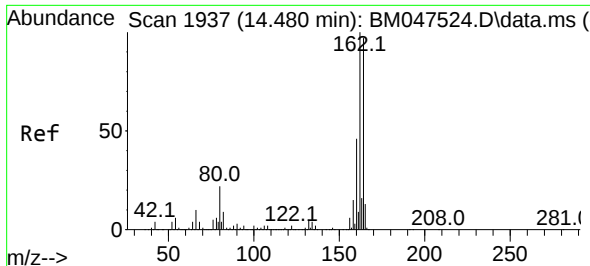
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#38  
1-Methylnaphthalene  
Concen: 6.165 ng  
RT: 12.521 min Scan# 1604  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

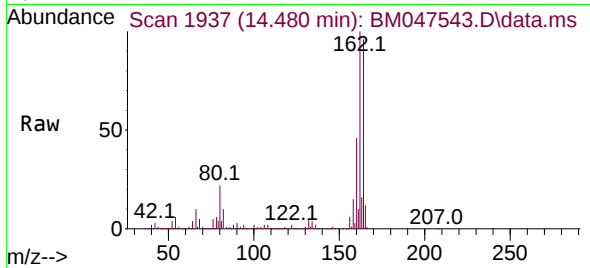
Tgt Ion:142 Resp: 362710  
Ion Ratio Lower Upper  
142 100  
141 92.2 74.7 112.1  
116 4.4 3.2 4.8





#39  
Acenaphthene-d10  
Concen: 20.000 ng  
RT: 14.480 min Scan# 1937  
Delta R.T. 0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

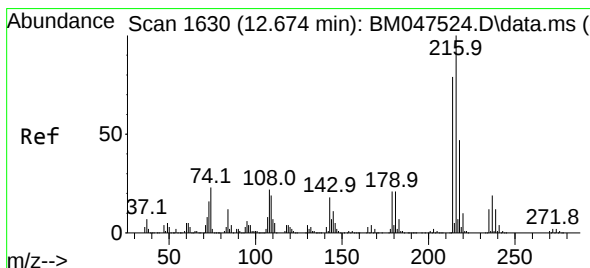
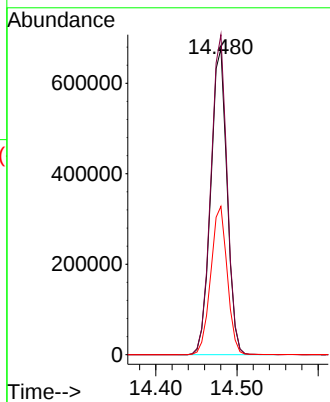
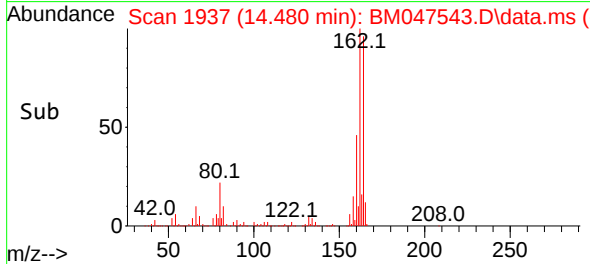
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:164 Resp: 94488  
Ion Ratio Lower Upper  
164 100  
162 104.6 82.2 123.2  
160 48.5 38.2 57.2

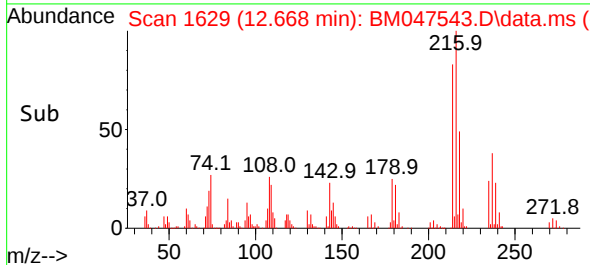
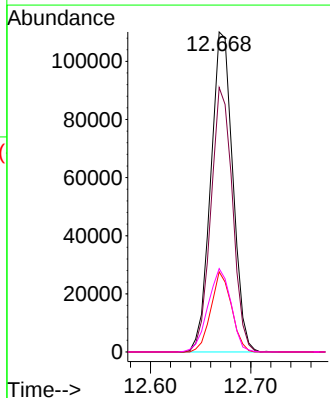
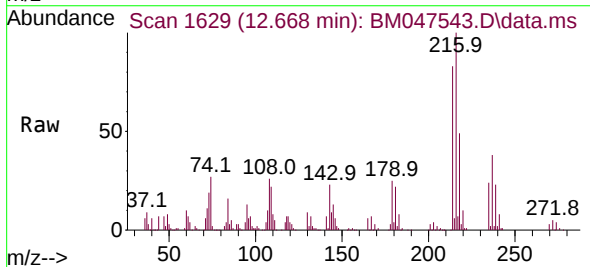
Manual Integrations  
APPROVED

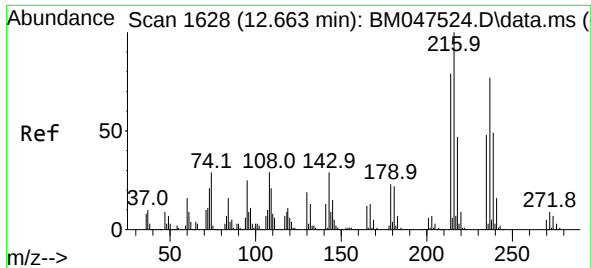
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#40  
1,2,4,5-Tetrachlorobenzene  
Concen: 6.570 ng  
RT: 12.668 min Scan# 1629  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

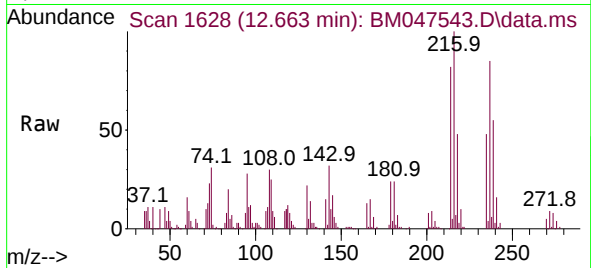
Tgt Ion:216 Resp: 167978  
Ion Ratio Lower Upper  
216 100  
214 80.8 63.0 94.6  
179 23.3 17.5 26.3  
108 27.2 18.6 28.0





#41  
Hexachlorocyclopentadiene  
Concen: 11.327 ng  
RT: 12.663 min Scan# 1628  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

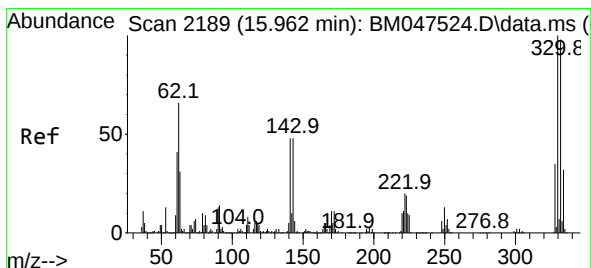
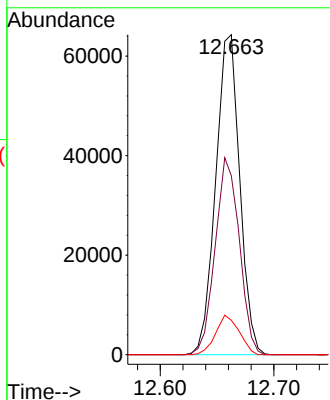
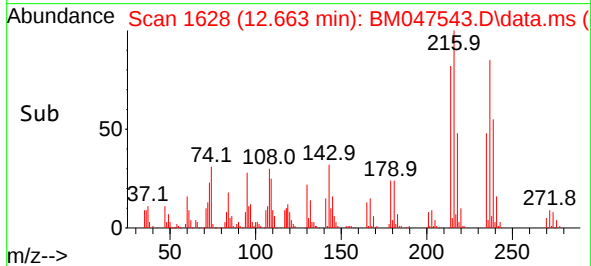
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



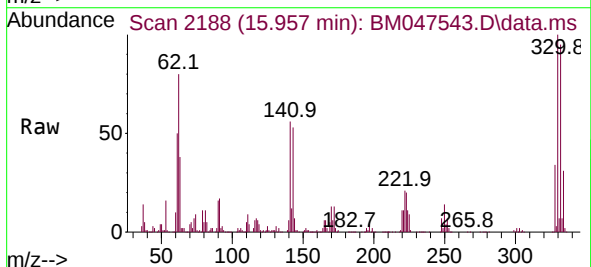
Tgt Ion: 237 Resp: 94679  
Ion Ratio Lower Upper  
237 100  
235 55.9 42.0 82.0  
272 10.8 0.0 31.5

Manual Integrations  
APPROVED

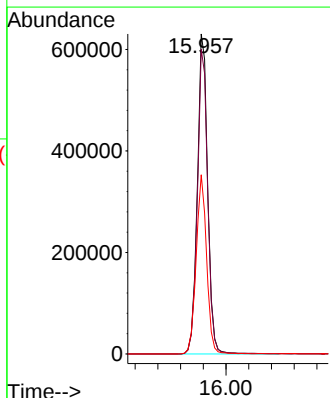
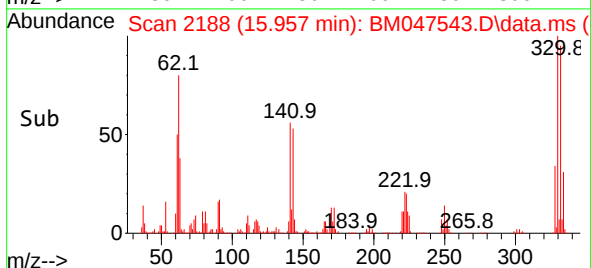
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024

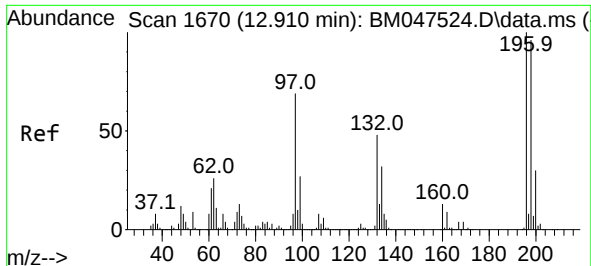


#42  
2,4,6-Tribromophenol  
Concen: 87.490 ng  
RT: 15.957 min Scan# 2188  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14



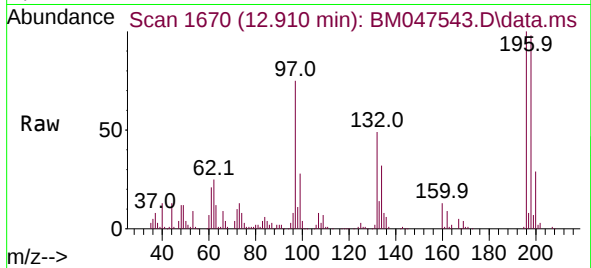
Tgt Ion: 330 Resp: 799058  
Ion Ratio Lower Upper  
330 100  
332 95.2 76.9 115.3  
141 56.8 42.2 63.2





#43  
2,4,6-Trichlorophenol  
Concen: 5.970 ng  
RT: 12.910 min Scan# 1670  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

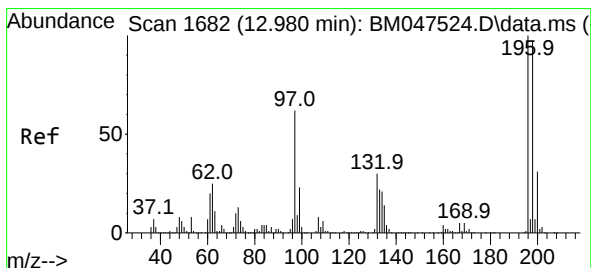
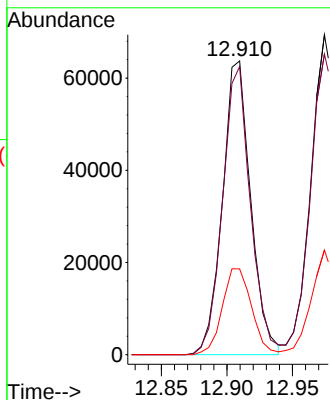
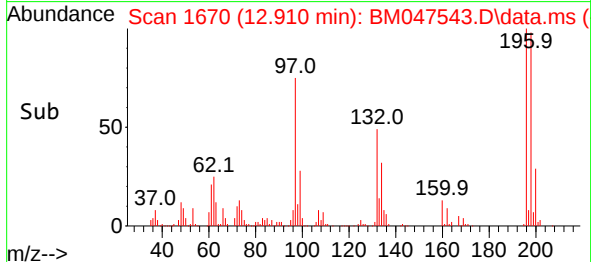
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



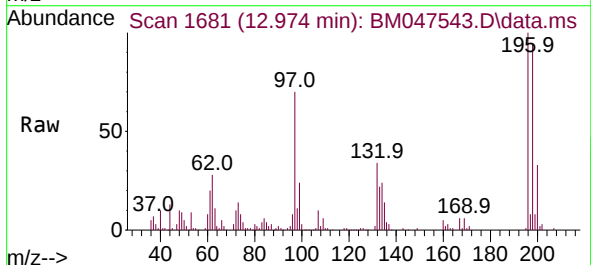
Tgt Ion:196 Resp: 95632  
Ion Ratio Lower Upper  
196 100  
198 98.1 76.9 115.3  
200 29.2 24.3 36.5

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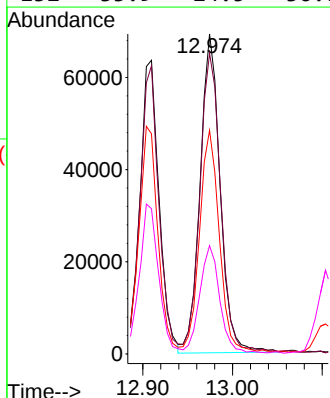
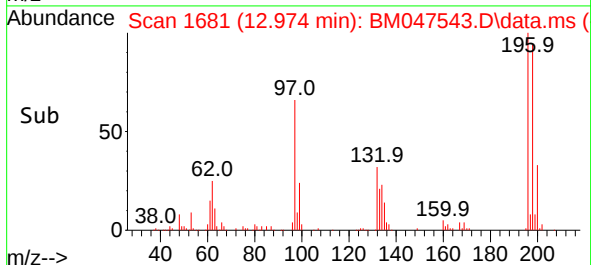
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024

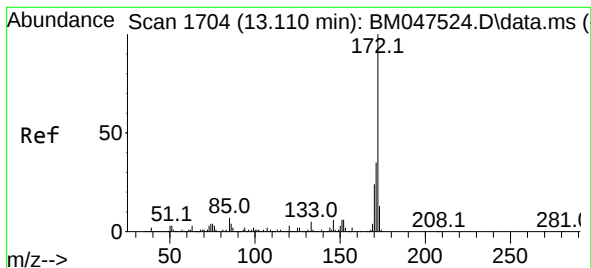


#44  
2,4,5-Trichlorophenol  
Concen: 5.932 ng  
RT: 12.974 min Scan# 1681  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14



Tgt Ion:196 Resp: 107326  
Ion Ratio Lower Upper  
196 100  
198 94.0 77.4 116.2  
97 69.9 49.8 74.8  
132 33.9 24.5 36.7





#45

2-Fluorobiphenyl

Concen: 62.353 ng

RT: 13.104 min Scan# 1703

Delta R.T. -0.006 min

Lab File: BM047543.D

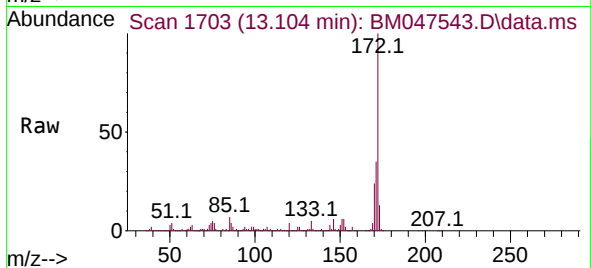
Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:172 Resp: 427699

Ion Ratio Lower Upper

172 100

171 35.4 28.2 42.2

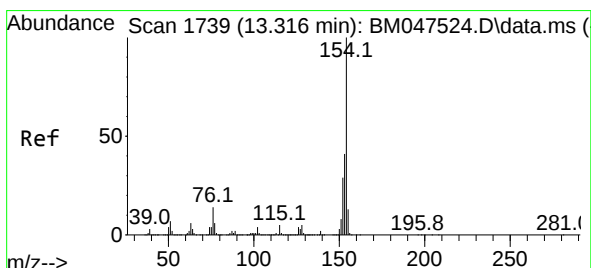
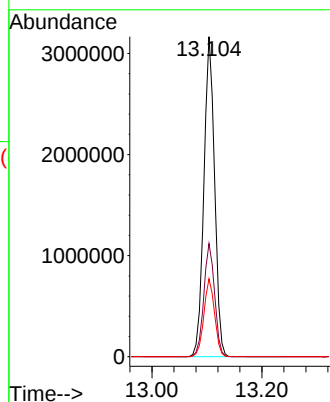
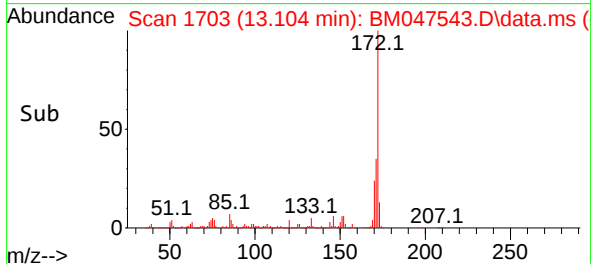
170 24.3 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#46

1,1'-Biphenyl

Concen: 7.001 ng

RT: 13.316 min Scan# 1739

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

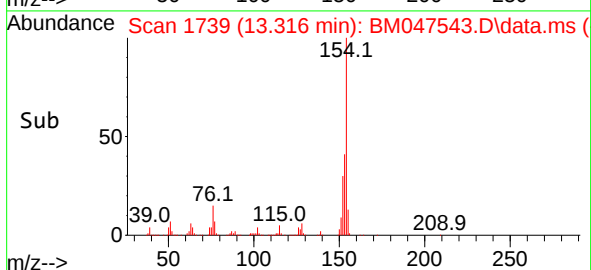
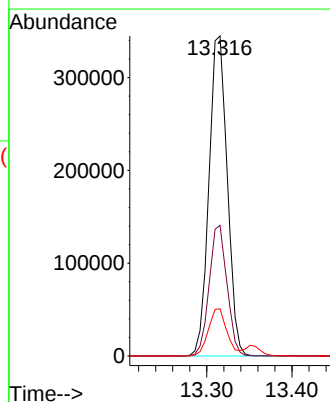
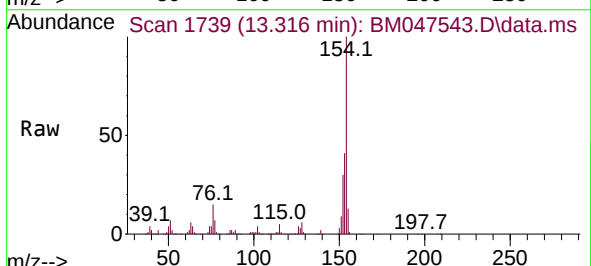
Tgt Ion:154 Resp: 514680

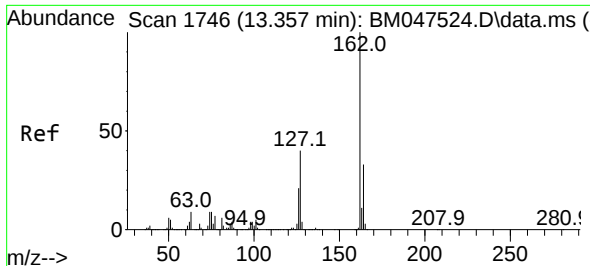
Ion Ratio Lower Upper

154 100

153 40.8 20.6 60.6

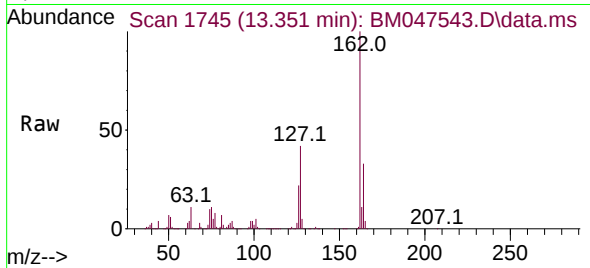
76 14.7 0.0 33.9





#47  
2-Chloronaphthalene  
Concen: 6.623 ng  
RT: 13.351 min Scan# 1745  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

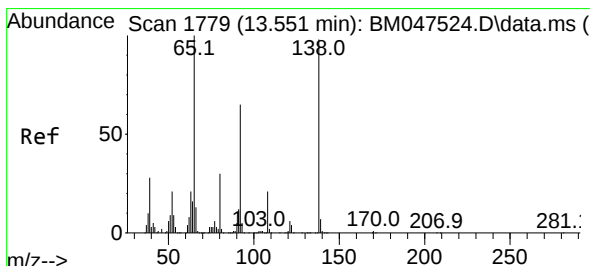
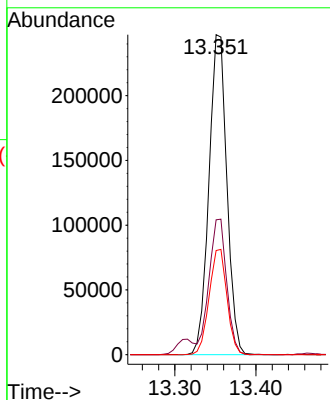
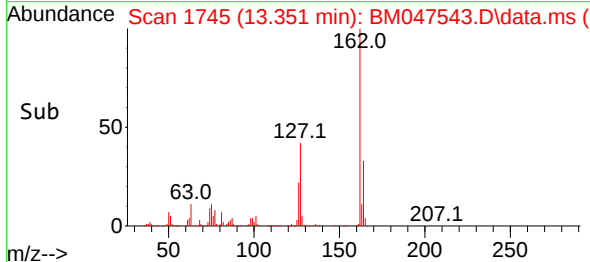
Instrument : BNA\_M  
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:162 Resp: 378090  
Ion Ratio Lower Upper  
162 100  
127 42.1 32.2 48.4  
164 32.5 26.3 39.5

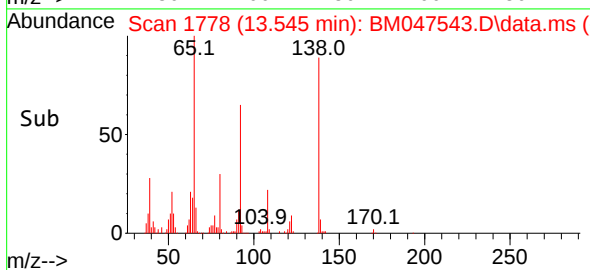
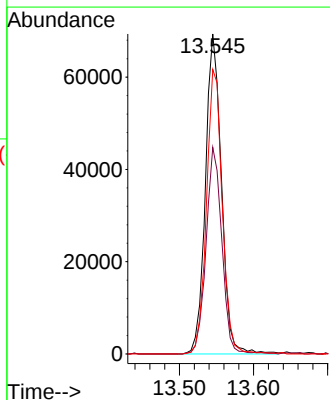
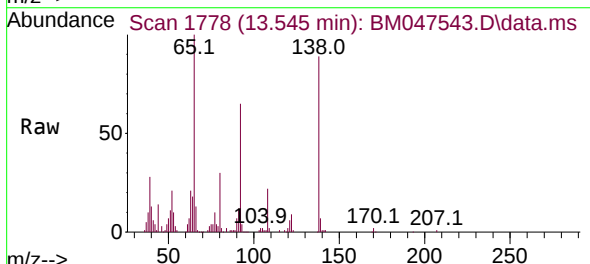
Manual Integrations  
APPROVED

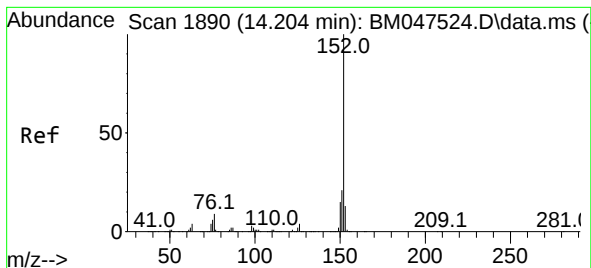
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#48  
2-Nitroaniline  
Concen: 6.218 ng  
RT: 13.545 min Scan# 1778  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion: 65 Resp: 104261  
Ion Ratio Lower Upper  
65 100  
92 64.5 51.9 77.9  
138 88.9 78.5 117.7





#49

Acenaphthylene

Concen: 7.166 ng

RT: 14.198 min Scan# 1889

Delta R.T. -0.006 min

Lab File: BM047543.D

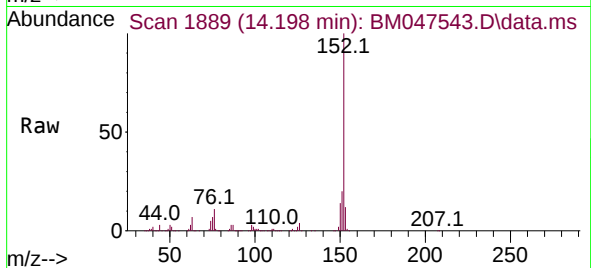
Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

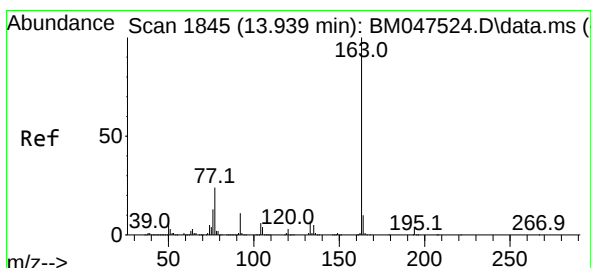
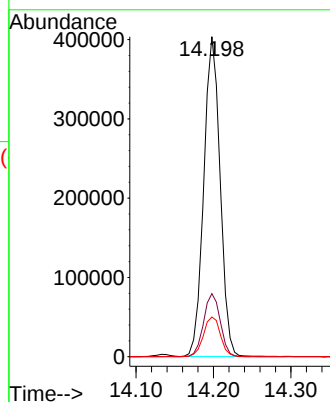
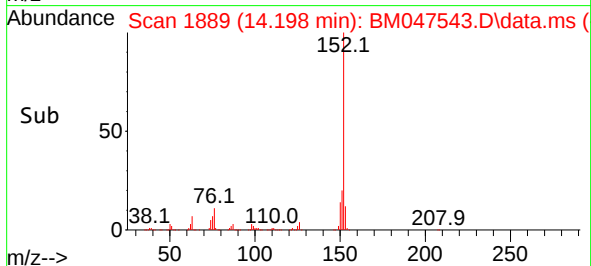


| Tgt Ion:  | 152  | Resp: | 590354 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 152       | 100  |       |        |
| 151       | 19.7 | 16.5  | 24.7   |
| 153       | 12.4 | 10.4  | 15.6   |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#50

Dimethylphthalate

Concen: 6.823 ng

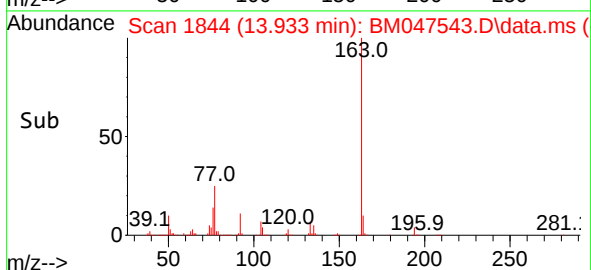
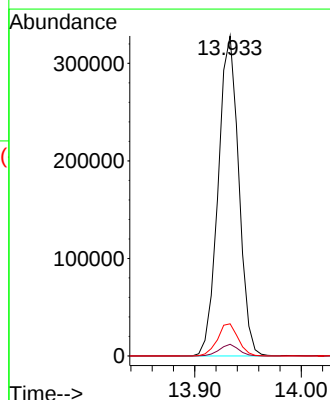
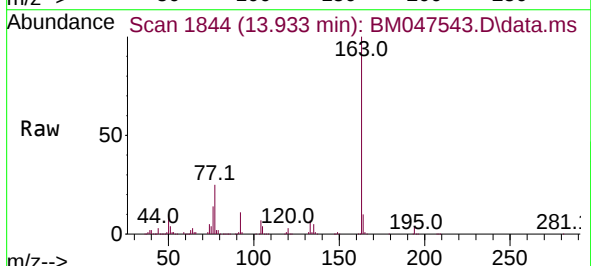
RT: 13.933 min Scan# 1844

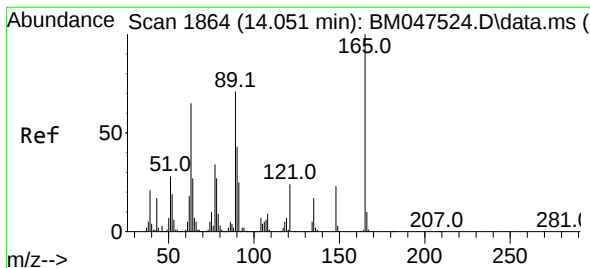
Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

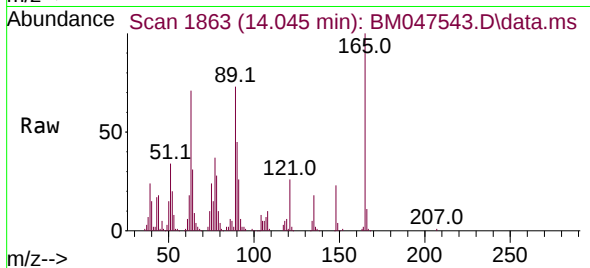
| Tgt Ion:  | 163  | Resp: | 439411 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 163       | 100  |       |        |
| 194       | 3.7  | 2.9   | 4.3    |
| 164       | 10.0 | 7.9   | 11.9   |





#51  
2,6-Dinitrotoluene  
Concen: 6.159 ng  
RT: 14.045 min Scan# 1863  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

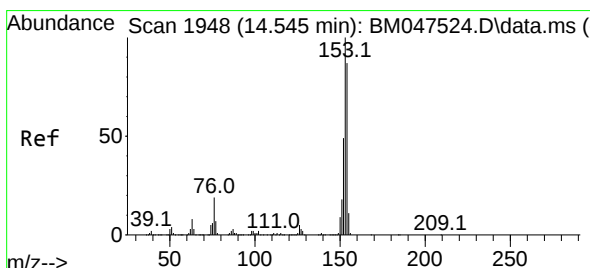
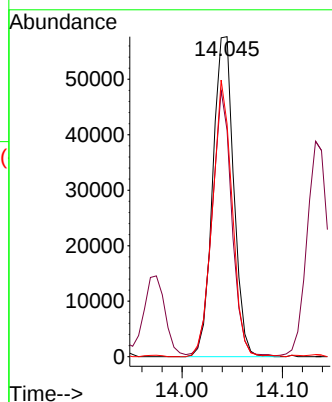
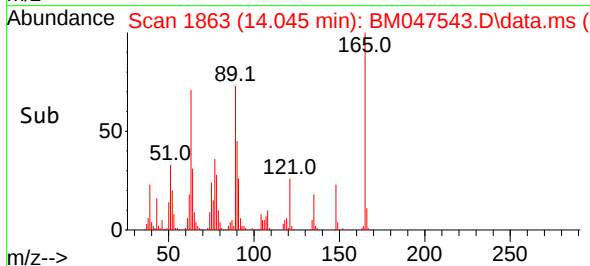
Instrument : BNA\_M  
ClientSampleId : LOQ-SOIL-02-QT2-2024



Tgt Ion:165 Resp: 83729  
Ion Ratio Lower Upper  
165 100  
63 70.7 54.2 81.2  
89 72.7 56.4 84.6

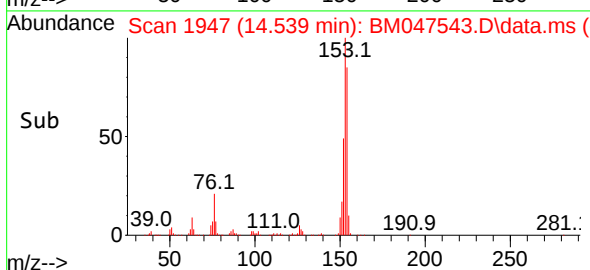
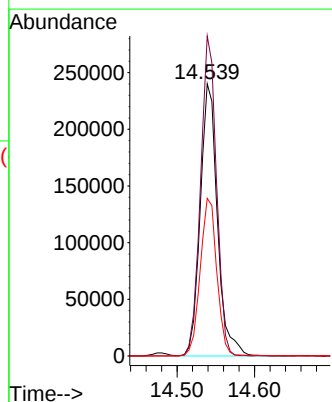
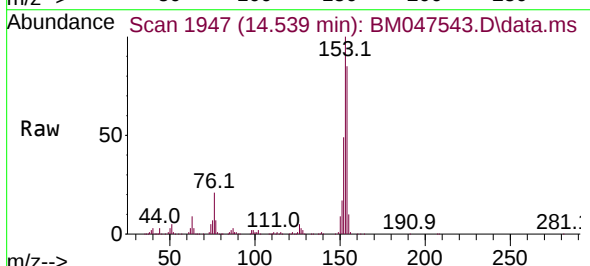
Manual Integrations  
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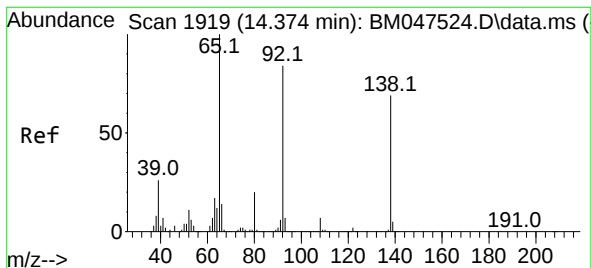
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#52  
Acenaphthene  
Concen: 6.401 ng  
RT: 14.539 min Scan# 1947  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion:154 Resp: 369445  
Ion Ratio Lower Upper  
154 100  
153 117.6 92.2 138.2  
152 57.9 45.4 68.0





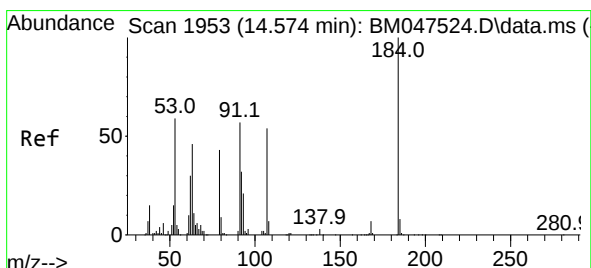
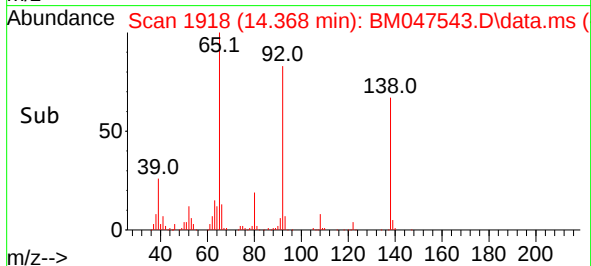
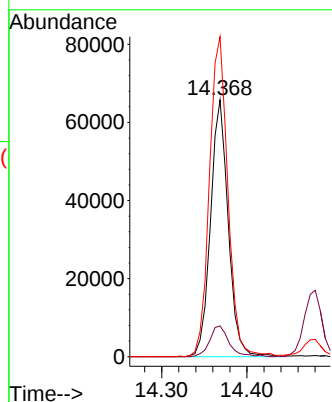
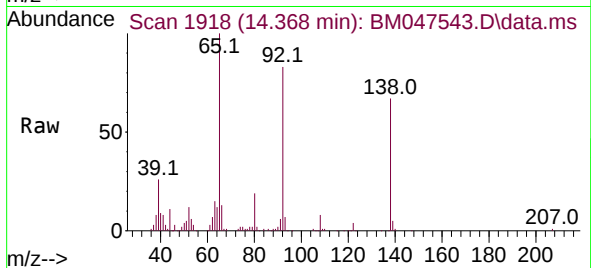
#53  
3-Nitroaniline  
Concen: 6.288 ng  
RT: 14.368 min Scan# 1918  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024

Tgt Ion:138 Resp: 9502  
Ion Ratio Lower Upper  
138 100  
108 11.9 8.0 12.0  
92 124.6 97.4 146.0

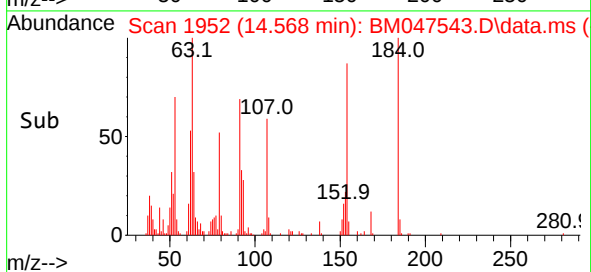
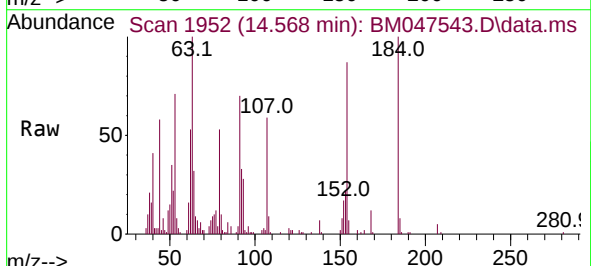
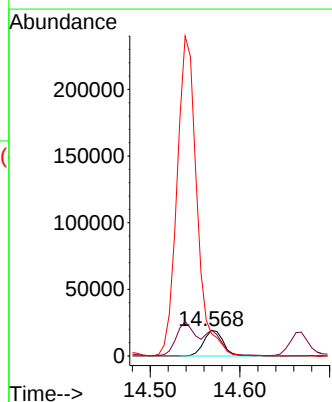
Manual Integrations  
APPROVED

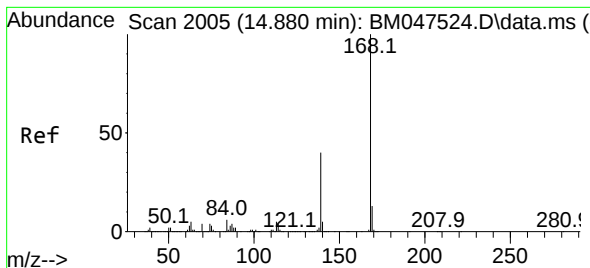
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#54  
2,4-Dinitrophenol  
Concen: 8.280 ng  
RT: 14.568 min Scan# 1952  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion:184 Resp: 29220  
Ion Ratio Lower Upper  
184 100  
63 100.4 69.4 104.0  
154 87.3 60.4 90.6





#55

Dibenzenofuran

Concen: 6.745 ng

RT: 14.874 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BM047543.D

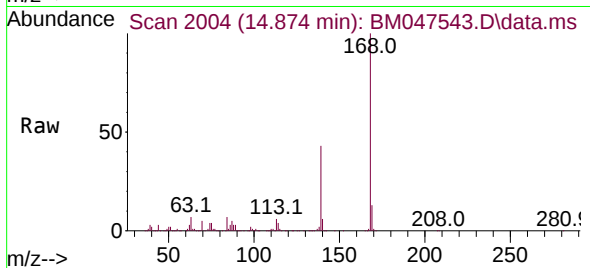
Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024



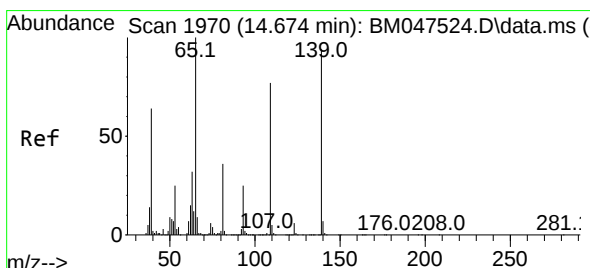
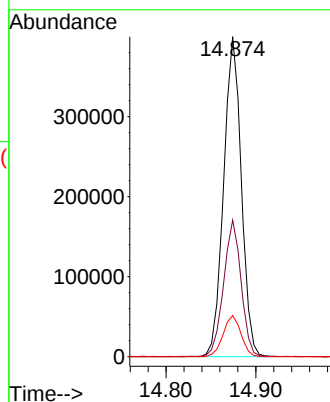
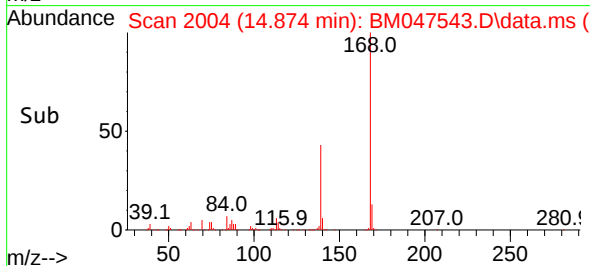
Tgt Ion:168 Resp: 54707

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 168 | 100   |       |       |
| 139 | 42.7  | 31.9  | 47.9  |
| 169 | 12.9  | 10.5  | 15.7  |

Manual Integrations

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Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#56

4-Nitrophenol

Concen: 6.089 ng

RT: 14.668 min Scan# 1969

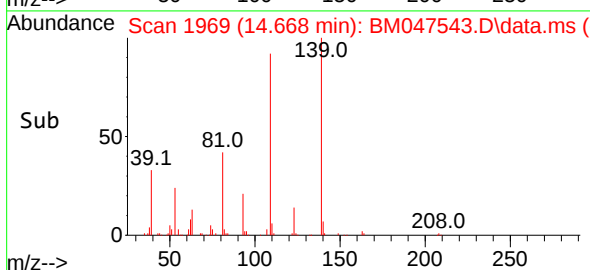
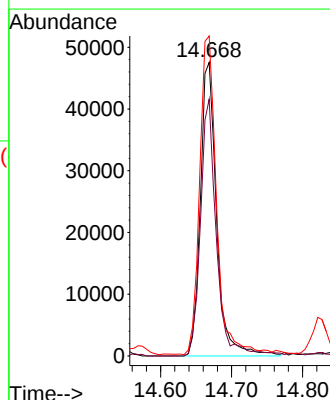
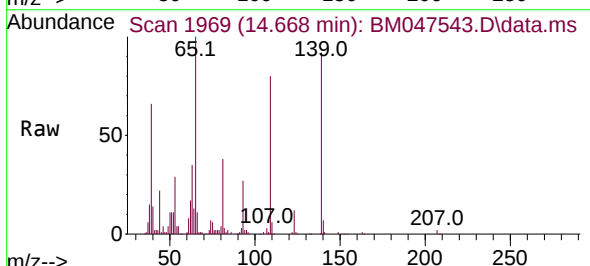
Delta R.T. -0.006 min

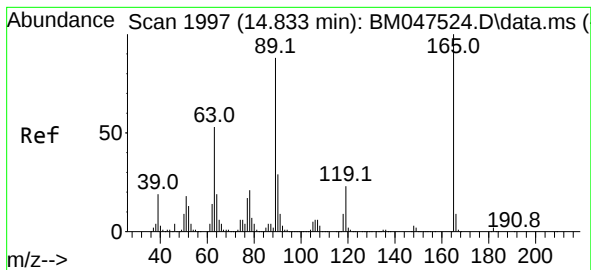
Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion:139 Resp: 75713

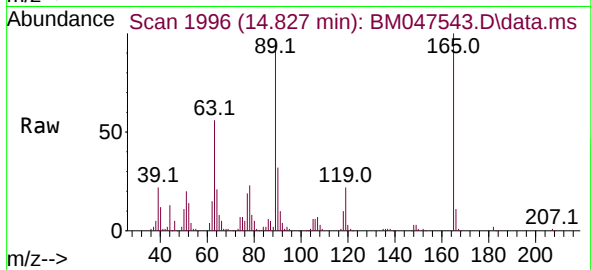
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 139 | 100   |       |       |
| 109 | 87.5  | 62.0  | 102.0 |
| 65  | 109.0 | 87.0  | 127.0 |





#57  
2,4-Dinitrotoluene  
Concen: 5.811 ng  
RT: 14.827 min Scan# 1996  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

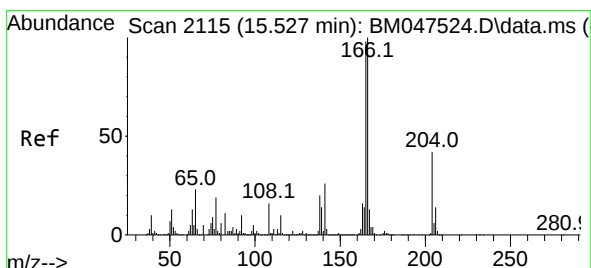
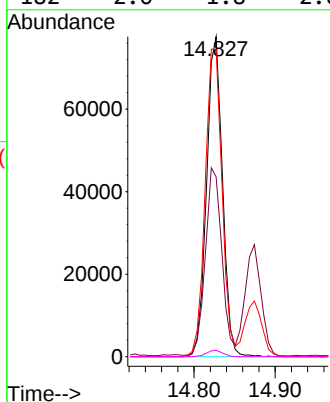
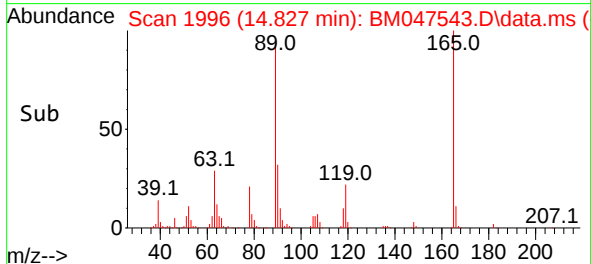
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



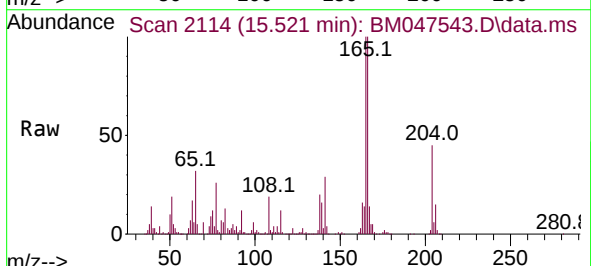
Tgt Ion:165 Resp: 10535  
Ion Ratio Lower Upper  
165 100  
63 56.2 42.4 63.6  
89 96.1 70.5 105.7  
182 2.0 1.8 2.6

Manual Integrations  
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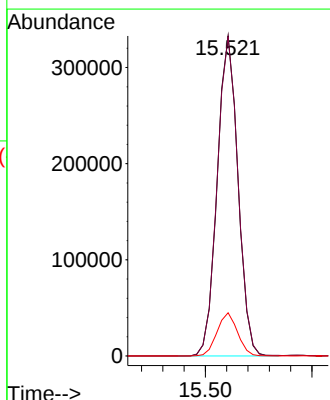
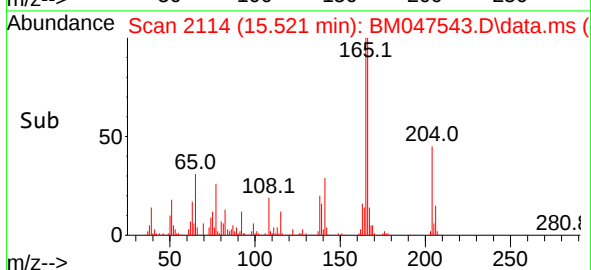
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024

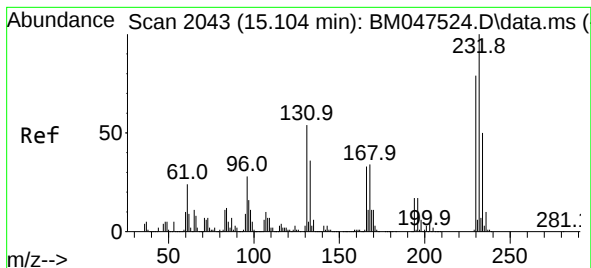


#58  
Fluorene  
Concen: 6.154 ng  
RT: 15.521 min Scan# 2114  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14



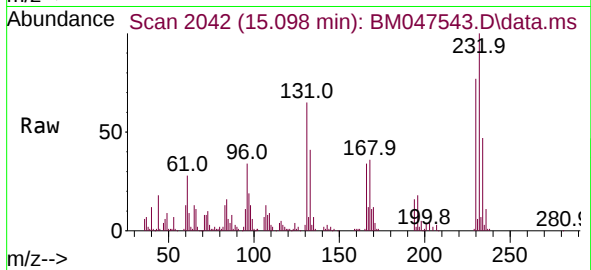
Tgt Ion:166 Resp: 449377  
Ion Ratio Lower Upper  
166 100  
165 99.7 78.6 117.8  
167 13.5 10.7 16.1





#59  
2,3,4,6-Tetrachlorophenol  
Concen: 6.036 ng  
RT: 15.098 min Scan# 2042  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

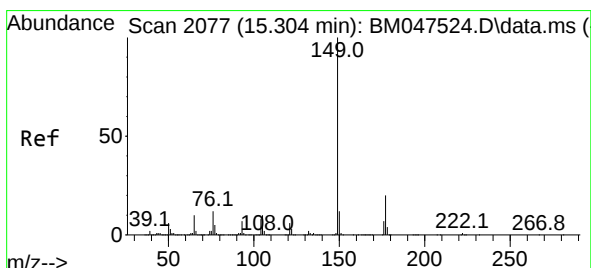
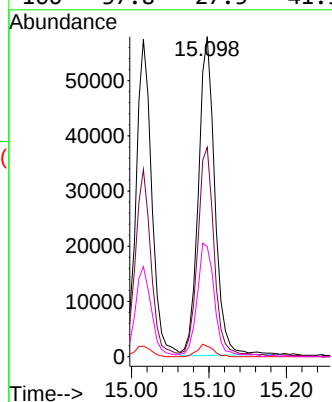
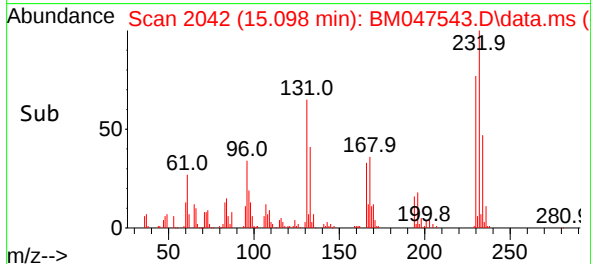
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:232 Resp: 8515  
Ion Ratio Lower Upper  
232 100  
131 65.2 47.0 70.4  
130 3.7 2.6 3.8  
166 37.8 27.5 41.3

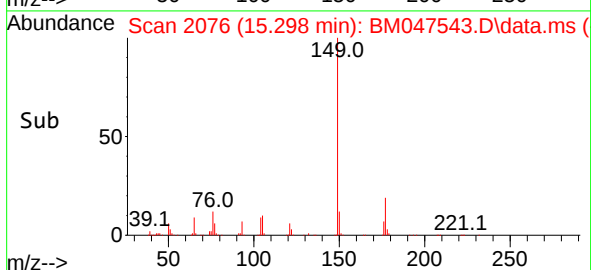
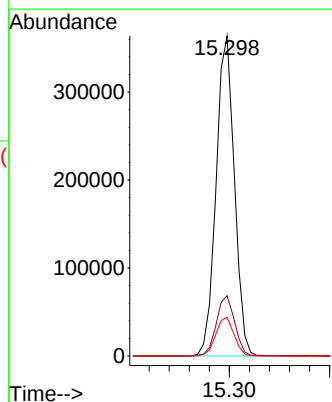
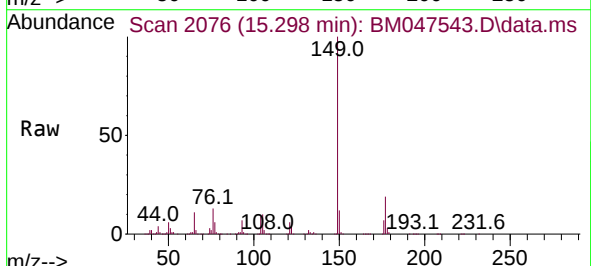
Manual Integrations  
APPROVED

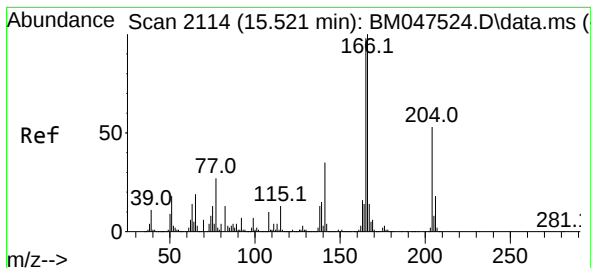
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#60  
Diethylphthalate  
Concen: 6.718 ng  
RT: 15.298 min Scan# 2076  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

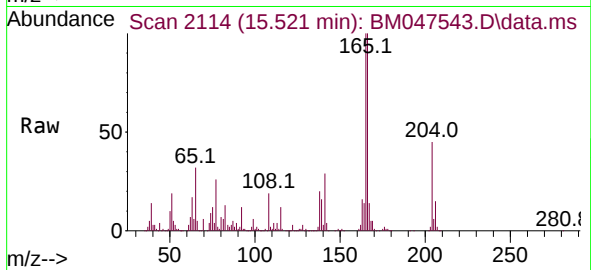
Tgt Ion:149 Resp: 460468  
Ion Ratio Lower Upper  
149 100  
177 18.8 15.8 23.8  
150 12.1 9.7 14.5





#61  
4-Chlorophenyl-phenylether  
Concen: 5.976 ng  
RT: 15.521 min Scan# 2114  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

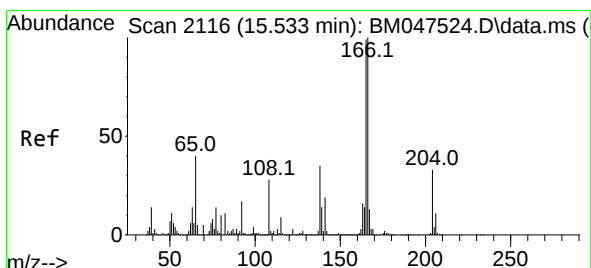
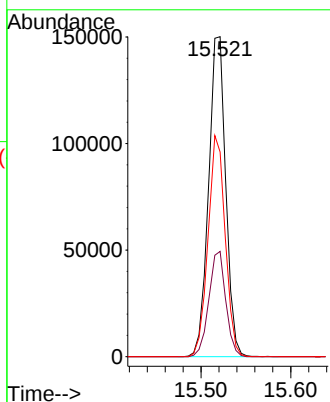
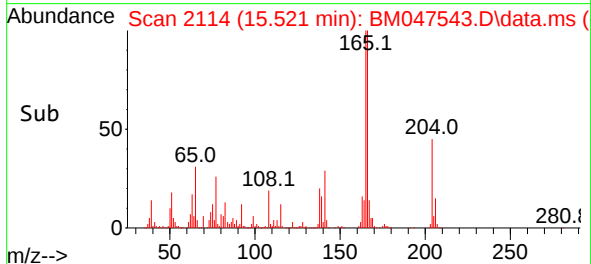
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



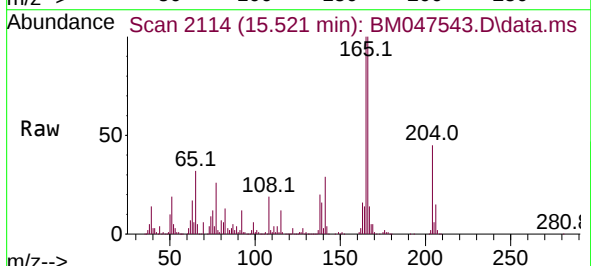
Tgt Ion:204 Resp: 19955  
Ion Ratio Lower Upper  
204 100  
206 32.9 26.5 39.7  
141 64.0 52.1 78.1

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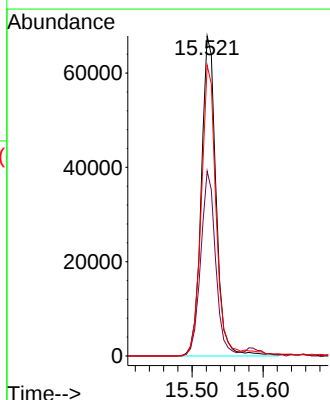
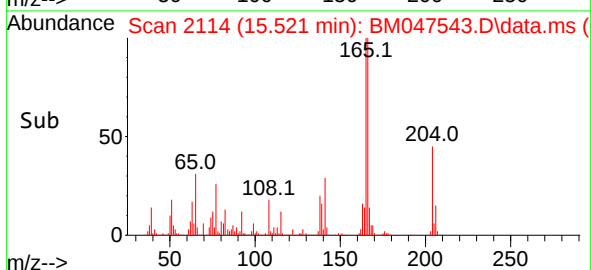
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024

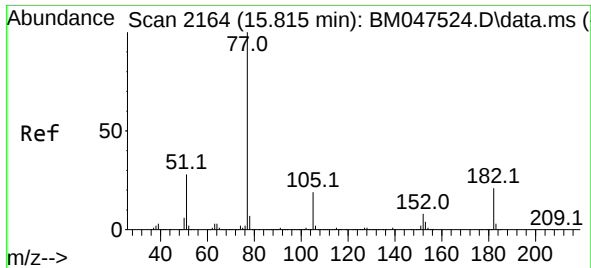


#62  
4-Nitroaniline  
Concen: 5.537 ng  
RT: 15.521 min Scan# 2114  
Delta R.T. -0.012 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14



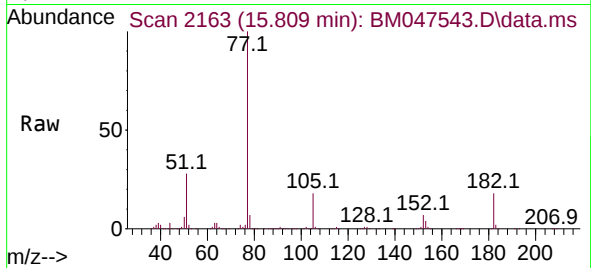
Tgt Ion:138 Resp: 98346  
Ion Ratio Lower Upper  
138 100  
92 57.8 30.0 70.0  
108 90.9 61.7 101.7





#63  
Azobenzene  
Concen: 7.457 ng  
RT: 15.809 min Scan# 2164  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

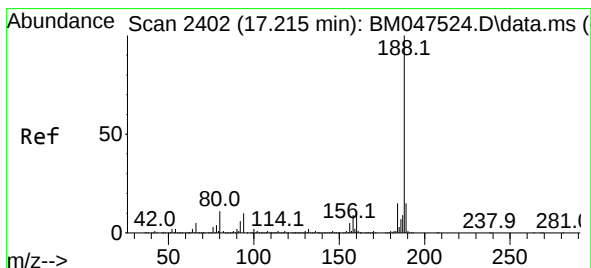
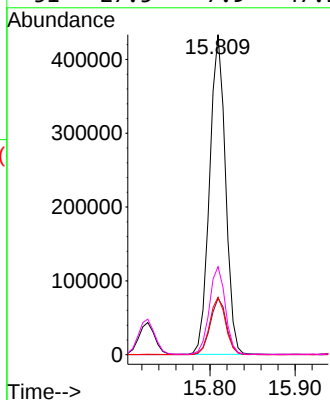
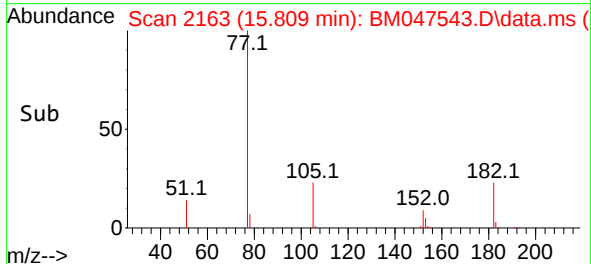
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion: 77 Resp: 56276  
Ion Ratio Lower Upper  
77 100  
182 17.6 1.2 41.2  
105 18.0 0.0 39.4  
51 27.5 7.9 47.9

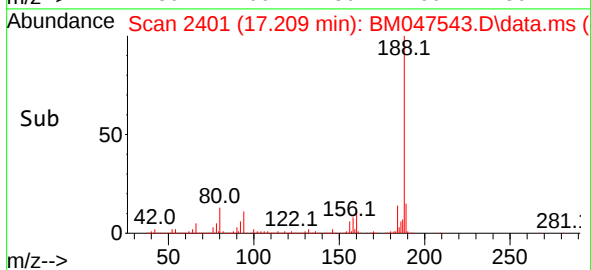
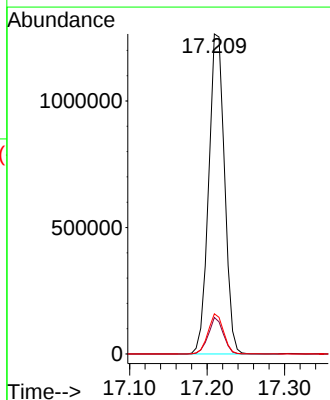
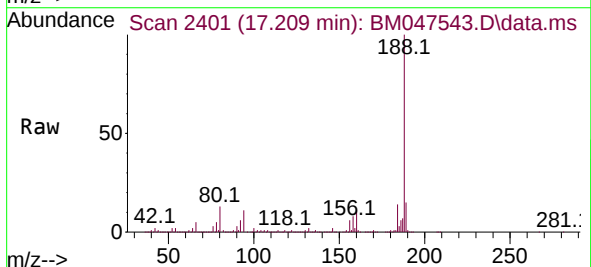
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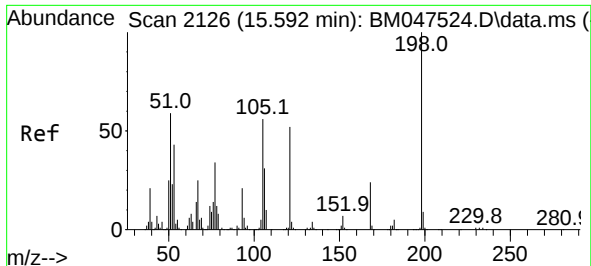
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#64  
Phenanthrene-d10  
Concen: 20.000 ng  
RT: 17.209 min Scan# 2401  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

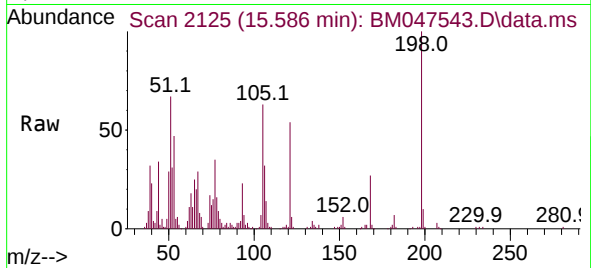
Tgt Ion:188 Resp: 1800922  
Ion Ratio Lower Upper  
188 100  
94 11.4 8.4 12.6  
80 12.6 9.1 13.7





#65  
4,6-Dinitro-2-methylphenol  
Concen: 12.018 ng  
RT: 15.586 min Scan# 2125  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

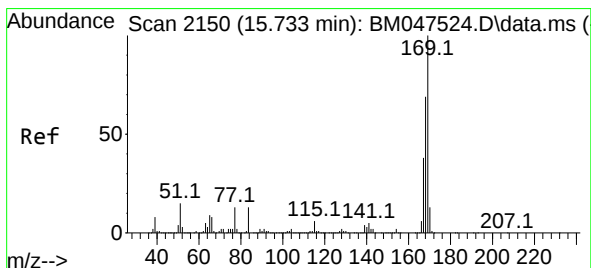
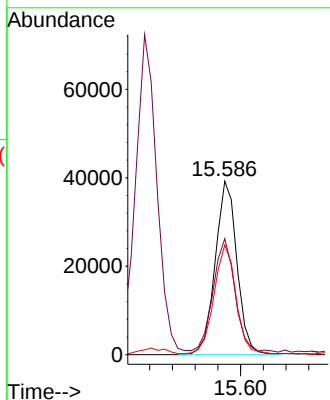
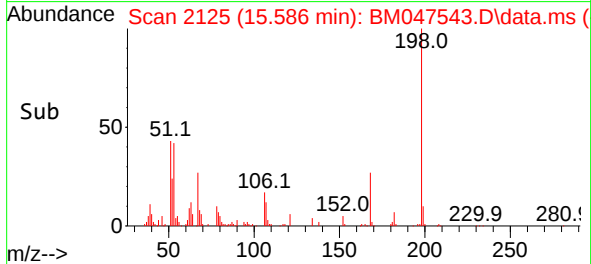
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



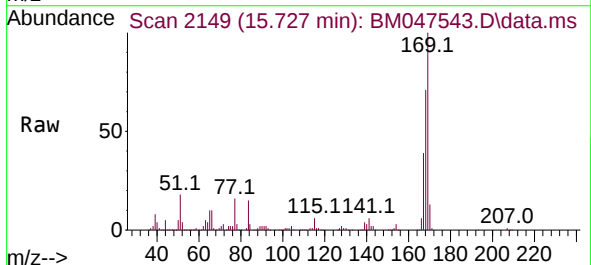
Tgt Ion:198 Resp: 5225  
Ion Ratio Lower Upper  
198 100  
51 67.0 41.5 81.5  
105 63.2 36.4 76.4

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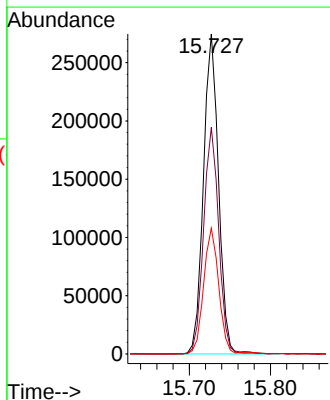
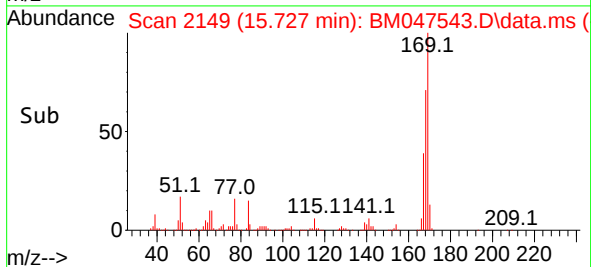
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024

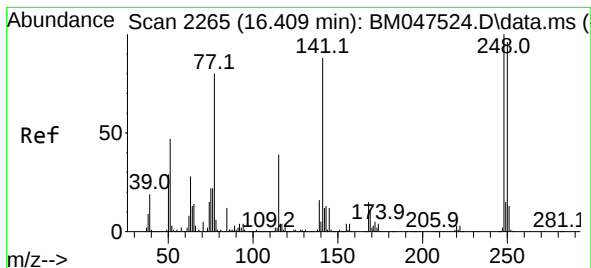


#66  
n-Nitrosodiphenylamine  
Concen: 6.407 ng  
RT: 15.727 min Scan# 2149  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14



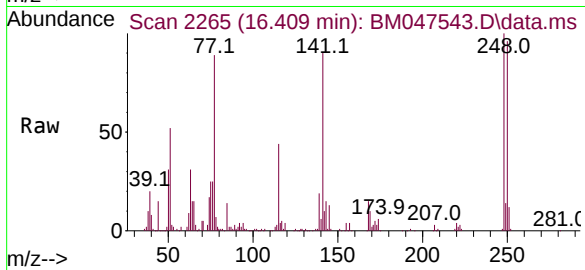
Tgt Ion:169 Resp: 353009  
Ion Ratio Lower Upper  
169 100  
168 70.8 55.3 82.9  
167 39.3 30.5 45.7





#67  
4-Bromophenyl-phenylether  
Concen: 6.078 ng  
RT: 16.409 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

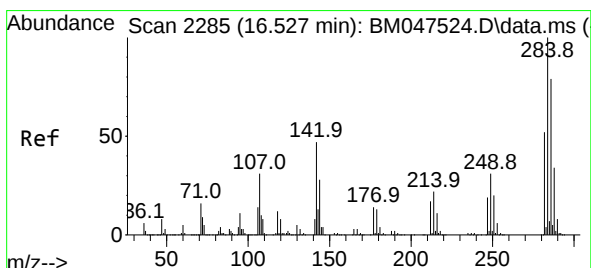
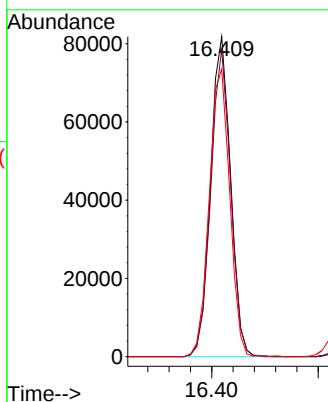
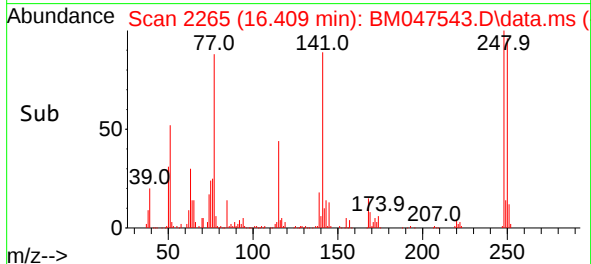
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



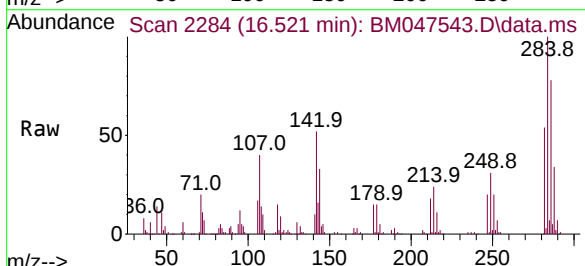
Tgt Ion:248 Resp: 10636  
Ion Ratio Lower Upper  
248 100  
250 96.2 76.9 115.3  
141 89.9 70.8 106.2

Manual Integrations  
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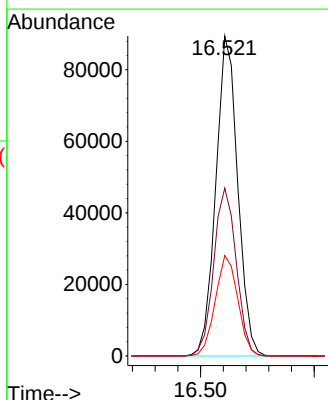
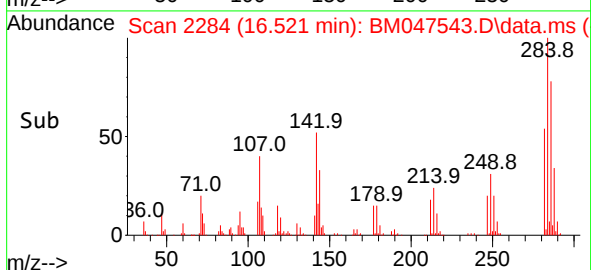
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024

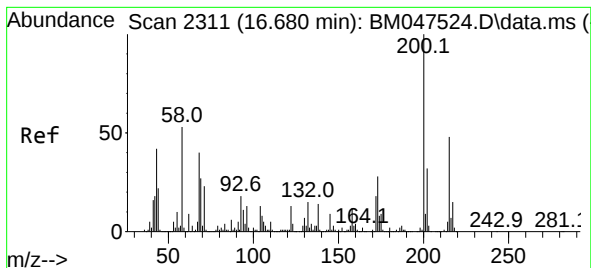


#68  
Hexachlorobenzene  
Concen: 6.047 ng  
RT: 16.521 min Scan# 2284  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14



Tgt Ion:284 Resp: 119884  
Ion Ratio Lower Upper  
284 100  
142 52.4 37.3 55.9  
249 31.4 24.5 36.7





#69

Atrazine

Concen: 6.526 ng

RT: 16.674 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

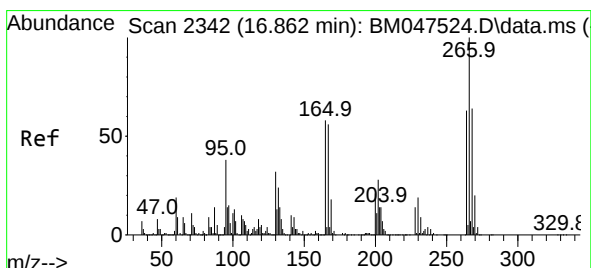
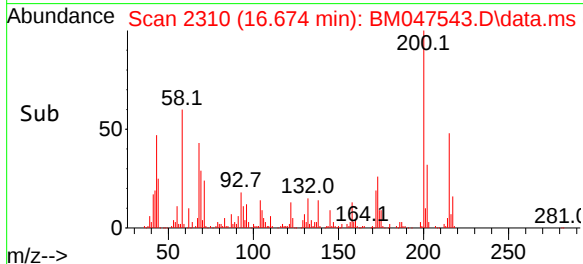
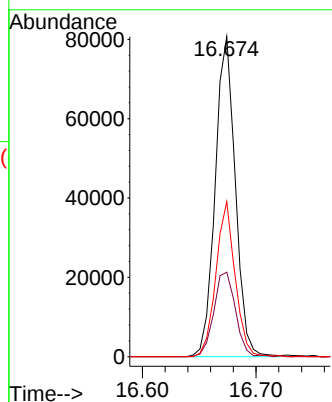
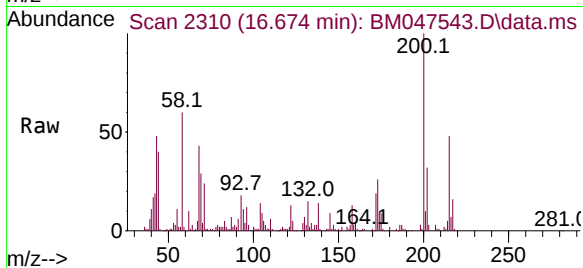
LOQ-SOIL-02-QT2-2024

|             |             |
|-------------|-------------|
| Tgt Ion:200 | Resp: 9938  |
| Ion Ratio   | Lower Upper |
| 200 100     |             |
| 173 26.4    | 7.7 47.7    |
| 215 48.4    | 27.9 67.9   |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#70

Pentachlorophenol

Concen: 10.166 ng

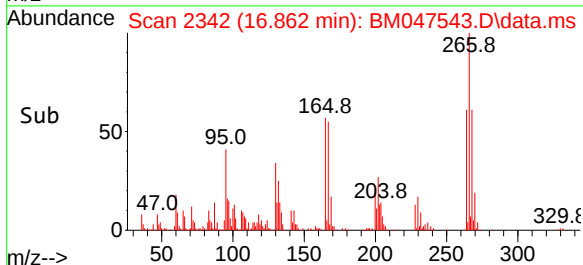
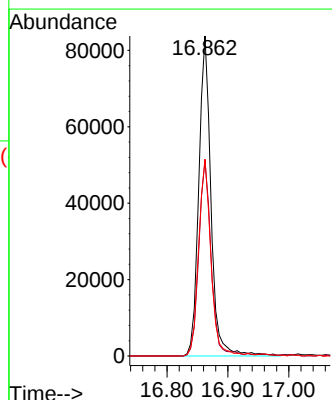
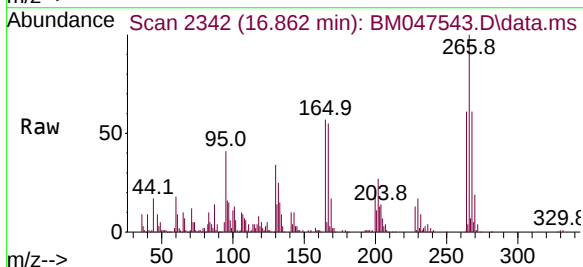
RT: 16.862 min Scan# 2342

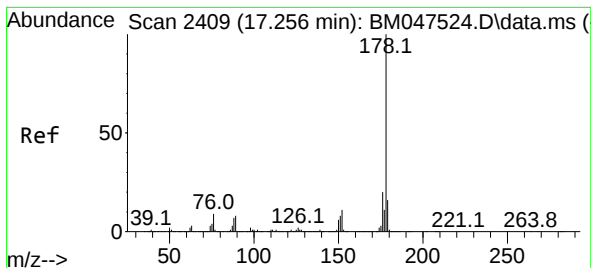
Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

|             |              |
|-------------|--------------|
| Tgt Ion:266 | Resp: 116824 |
| Ion Ratio   | Lower Upper  |
| 266 100     |              |
| 268 61.0    | 51.0 76.4    |
| 264 61.5    | 50.4 75.6    |





#71

Phenanthrene

Concen: 6.540 ng

RT: 17.251 min Scan# 2409

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

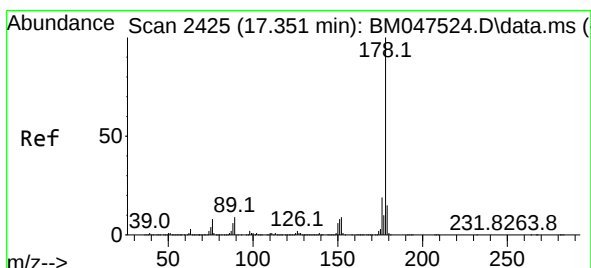
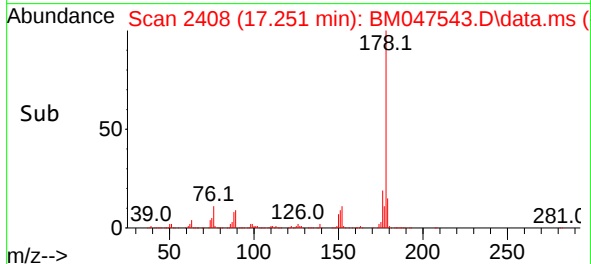
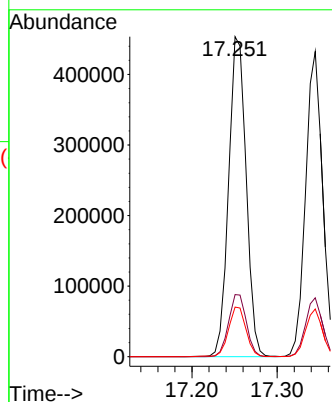
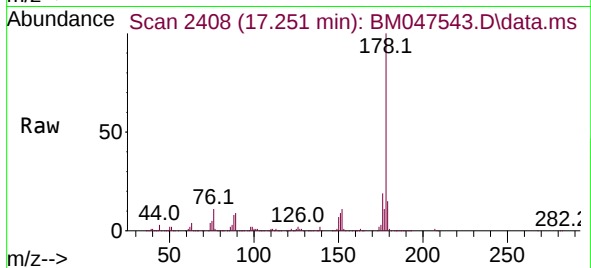
LOQ-SOIL-02-QT2-2024

|             |                |
|-------------|----------------|
| Tgt Ion:178 | Resp: 649070   |
| Ion Ratio   | Lower Upper    |
| 178         | 100            |
| 176         | 19.4 16.0 24.0 |
| 179         | 15.5 12.4 18.6 |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#72

Anthracene

Concen: 6.310 ng

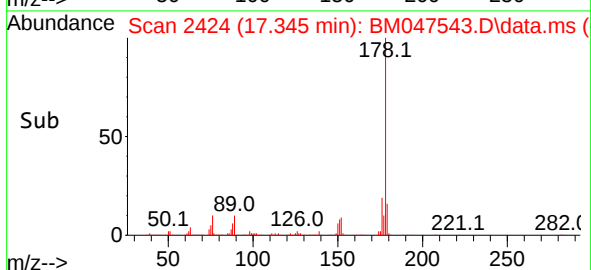
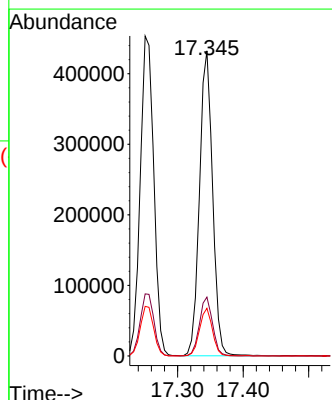
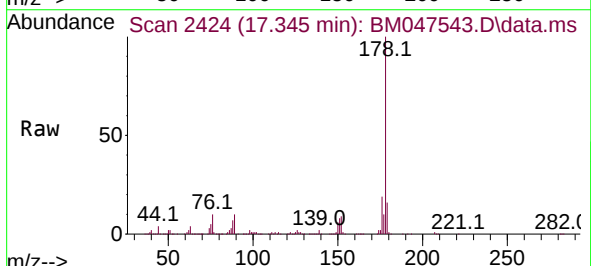
RT: 17.345 min Scan# 2424

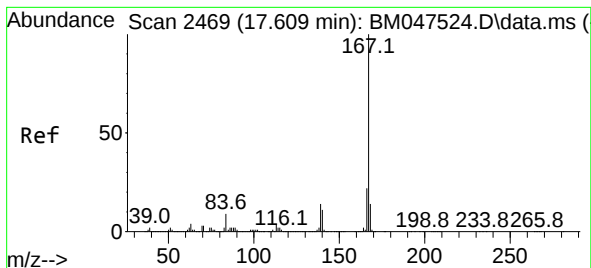
Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

|             |                |
|-------------|----------------|
| Tgt Ion:178 | Resp: 601698   |
| Ion Ratio   | Lower Upper    |
| 178         | 100            |
| 176         | 19.3 15.4 23.0 |
| 179         | 15.6 12.3 18.5 |





#73

Carbazole

Concen: 6.374 ng

RT: 17.609 min Scan# 2469

Delta R.T. -0.000 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

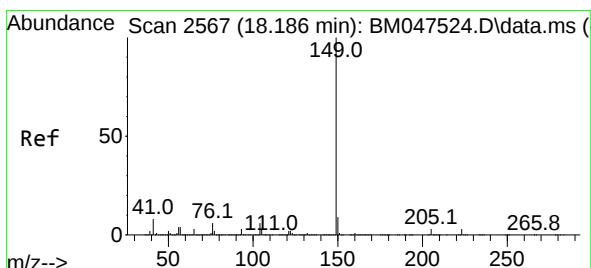
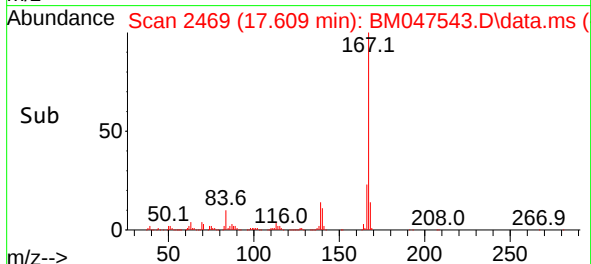
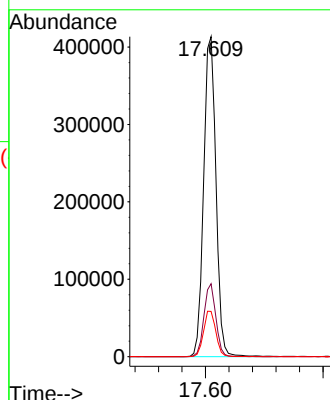
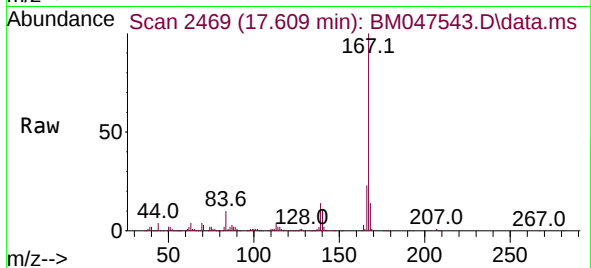
LOQ-SOIL-02-QT2-2024

|             |             |
|-------------|-------------|
| Tgt Ion:167 | Resp: 60232 |
| Ion Ratio   | Lower Upper |
| 167 100     |             |
| 166 22.8    | 17.8 26.8   |
| 139 14.2    | 11.0 16.6   |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#74

Di-n-butylphthalate

Concen: 6.233 ng

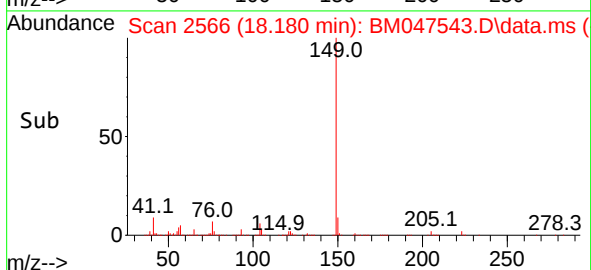
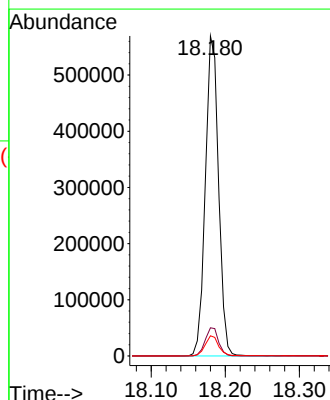
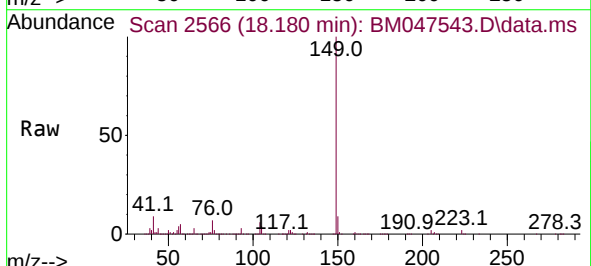
RT: 18.180 min Scan# 2566

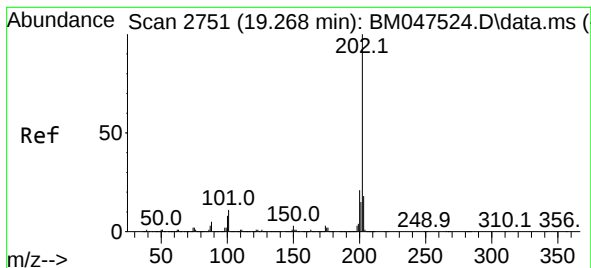
Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

|             |              |
|-------------|--------------|
| Tgt Ion:149 | Resp: 704798 |
| Ion Ratio   | Lower Upper  |
| 149 100     |              |
| 150 8.8     | 7.4 11.2     |
| 104 6.3     | 4.6 6.8      |





#75

Fluoranthene

Concen: 5.907 ng

RT: 19.262 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

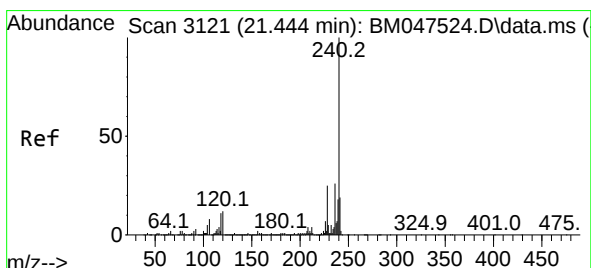
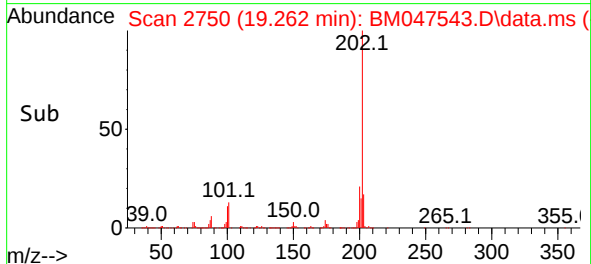
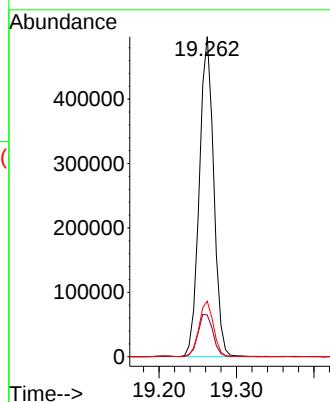
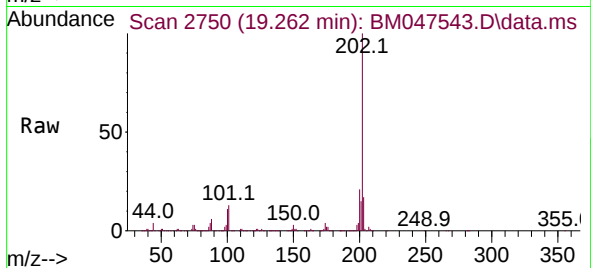
LOQ-SOIL-02-QT2-2024

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 202   | Resp: | 63961 |
| Ion Ratio | Lower | Upper |       |
| 202       | 100   |       |       |
| 101       | 13.0  | 0.0   | 30.8  |
| 203       | 17.3  | 0.0   | 37.7  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#76

Chrysene-d12

Concen: 20.000 ng

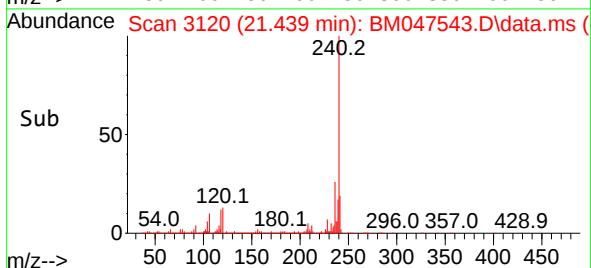
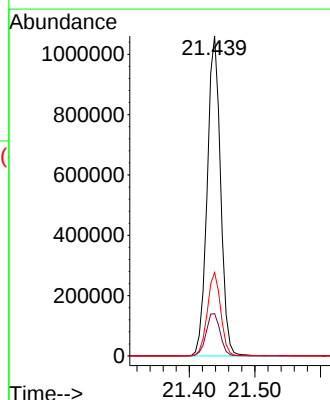
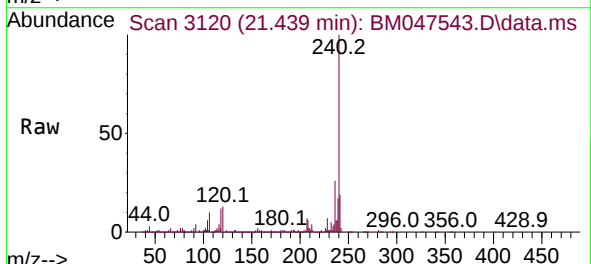
RT: 21.439 min Scan# 3120

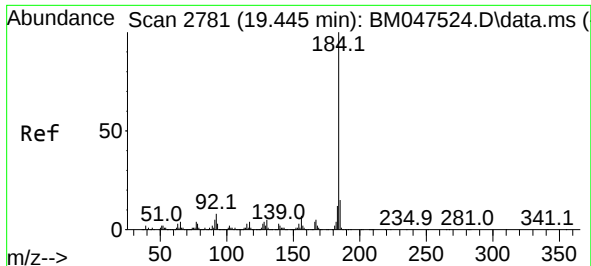
Delta R.T. -0.005 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

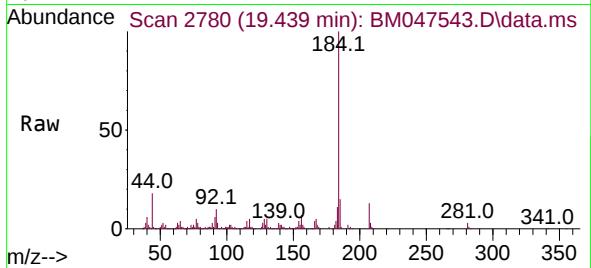
|           |       |       |         |
|-----------|-------|-------|---------|
| Tgt Ion:  | 240   | Resp: | 1502304 |
| Ion Ratio | Lower | Upper |         |
| 240       | 100   |       |         |
| 120       | 13.2  | 9.6   | 14.4    |
| 236       | 26.0  | 20.9  | 31.3    |





#77  
Benzidine  
Concen: 8.762 ng  
RT: 19.439 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

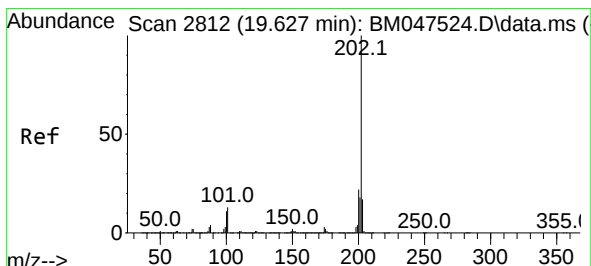
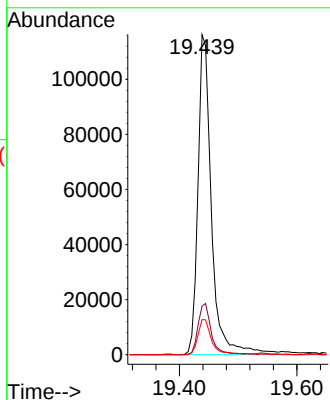
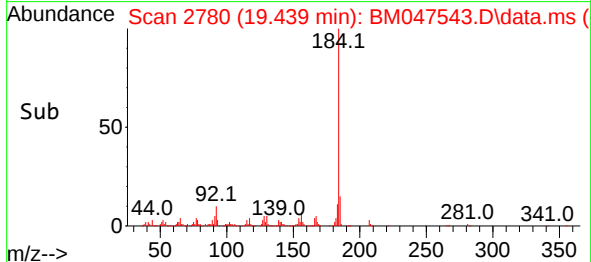
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



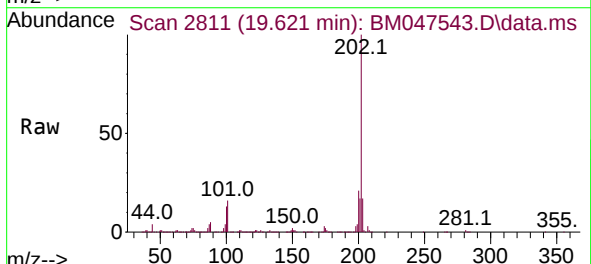
Tgt Ion:184 Resp: 185394  
Ion Ratio Lower Upper  
184 100  
185 15.2 12.2 18.2  
183 11.0 9.6 14.4

Manual Integrations  
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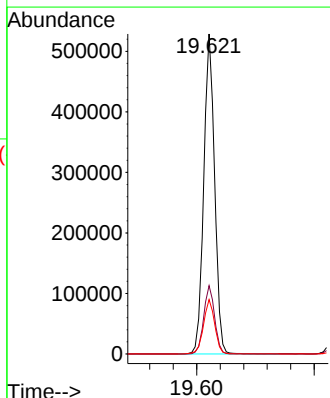
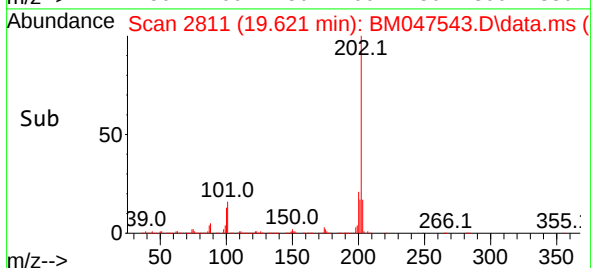
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024

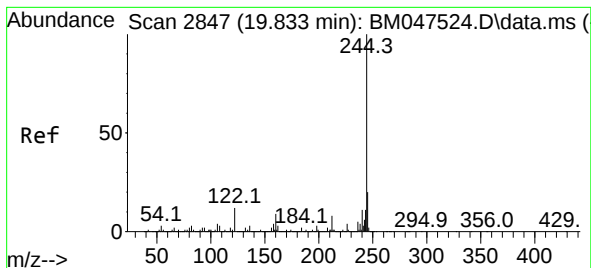


#78  
Pyrene  
Concen: 6.195 ng  
RT: 19.621 min Scan# 2811  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14



Tgt Ion:202 Resp: 678868  
Ion Ratio Lower Upper  
202 100  
200 21.4 17.2 25.8  
203 17.0 14.0 21.0





#79

Terphenyl-d14

Concen: 69.492 ng

RT: 19.827 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM047543.D

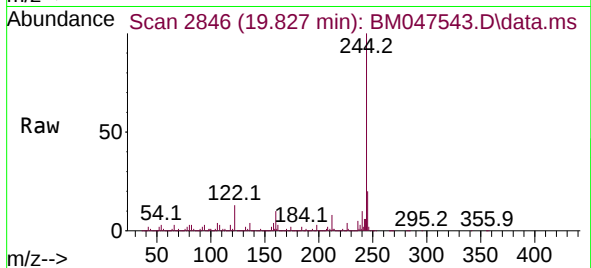
Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:244 Resp: 582598

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

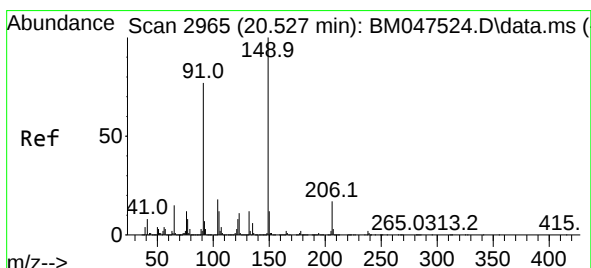
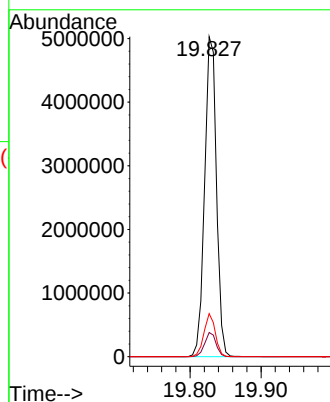
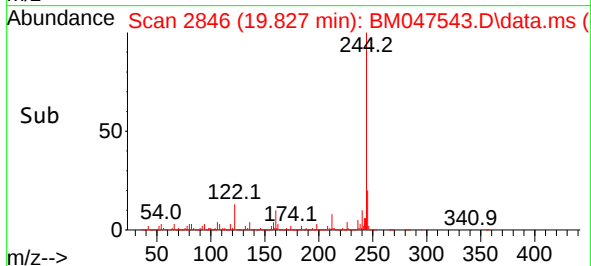
122 13.5 9.6 14.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#80

Butylbenzylphthalate

Concen: 5.882 ng

RT: 20.521 min Scan# 2964

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

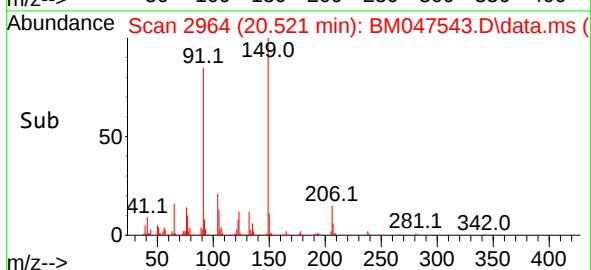
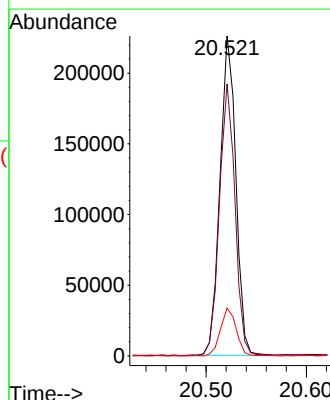
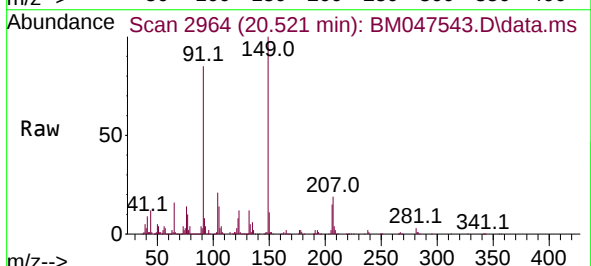
Tgt Ion:149 Resp: 248137

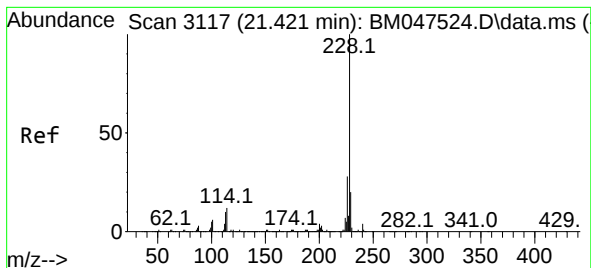
Ion Ratio Lower Upper

149 100

91 85.0 62.0 93.0

206 15.0 13.8 20.8





#81

Benzo(a)anthracene

Concen: 6.799 ng

RT: 21.421 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BM047543.D

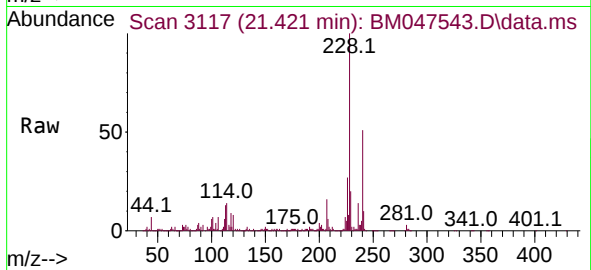
Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:228 Resp: 665774

Ion Ratio Lower Upper

228 100

226 27.4 22.4 33.6

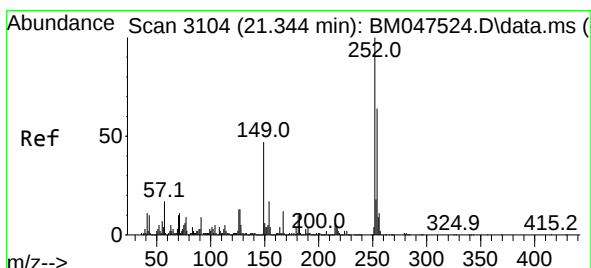
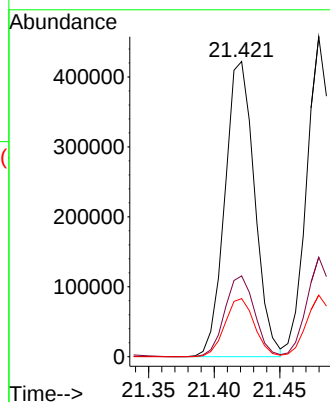
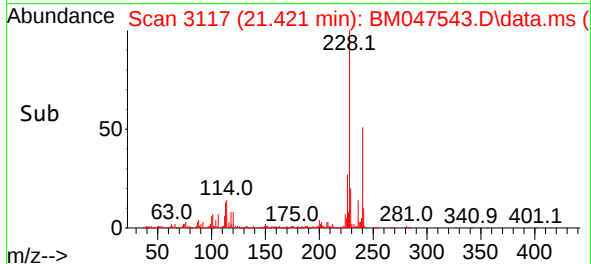
229 19.7 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#82

3,3'-Dichlorobenzidine

Concen: 6.778 ng

RT: 21.339 min Scan# 3103

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

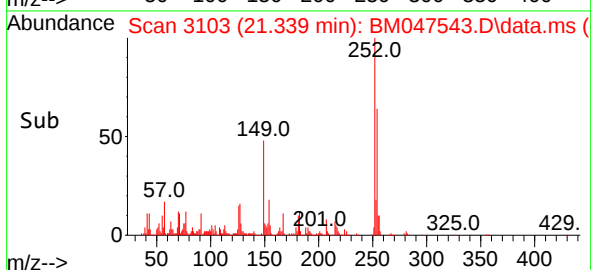
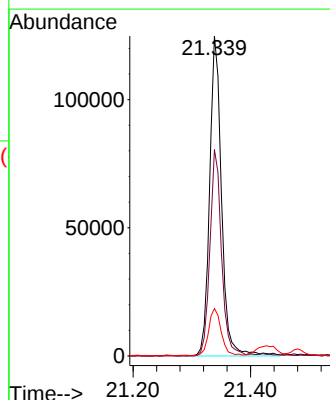
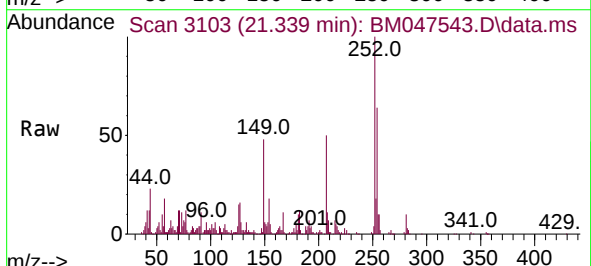
Tgt Ion:252 Resp: 176551

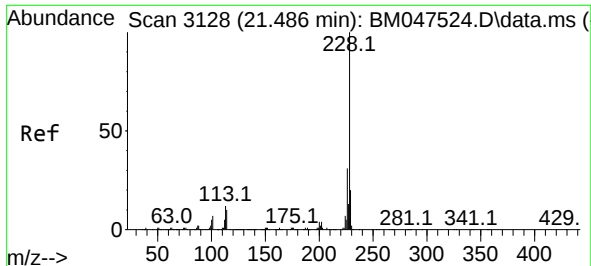
Ion Ratio Lower Upper

252 100

254 64.5 51.5 77.3

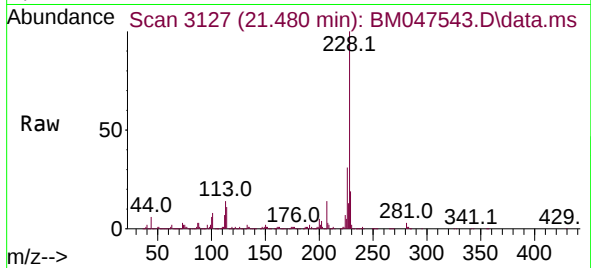
126 14.8 10.3 15.5





#83  
Chrysene  
Concen: 6.795 ng  
RT: 21.480 min Scan# 3128  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

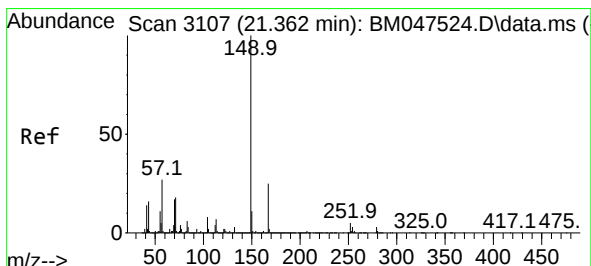
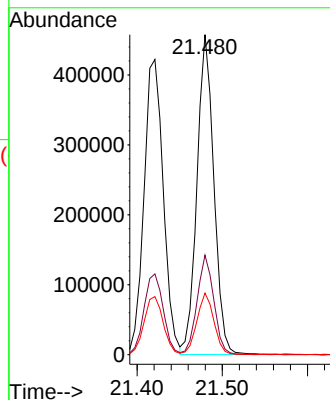
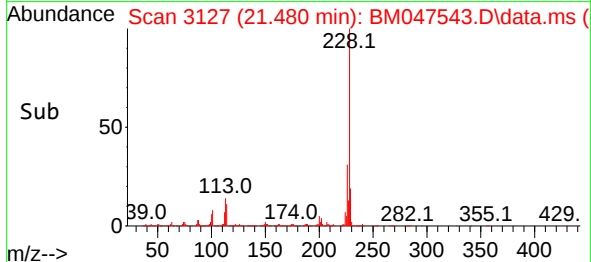
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:228 Resp: 629392  
Ion Ratio Lower Upper  
228 100  
226 31.1 25.0 37.6  
229 19.3 15.9 23.9

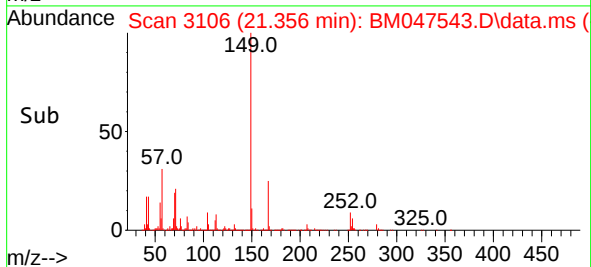
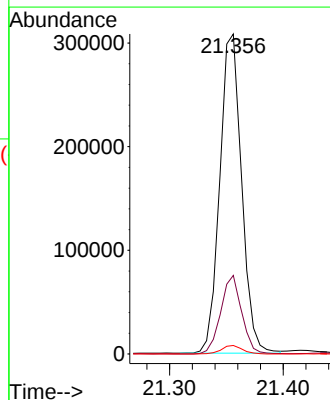
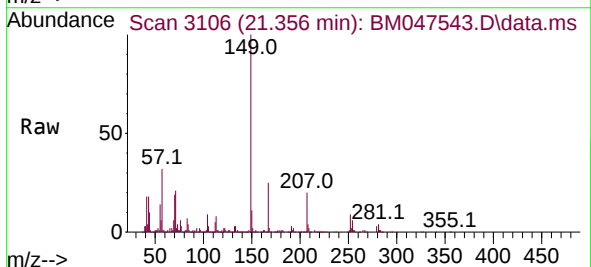
Manual Integrations  
APPROVED

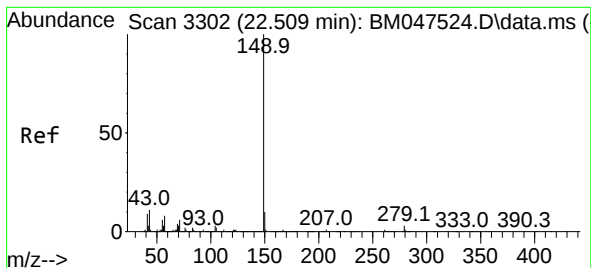
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#84  
Bis(2-ethylhexyl)phthalate  
Concen: 6.232 ng  
RT: 21.356 min Scan# 3106  
Delta R.T. -0.006 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion:149 Resp: 411800  
Ion Ratio Lower Upper  
149 100  
167 24.5 20.2 30.4  
279 2.7 2.6 4.0





#85

Di-n-octyl phthalate

Concen: 6.244 ng

RT: 22.503 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:149 Resp: 58368

Ion Ratio Lower Upper

149 100

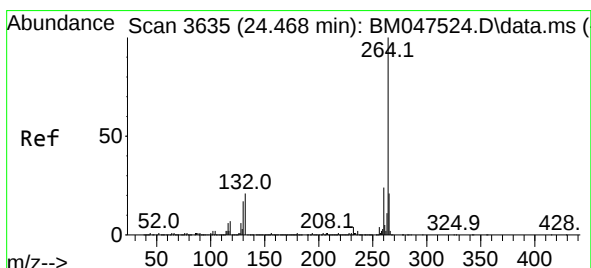
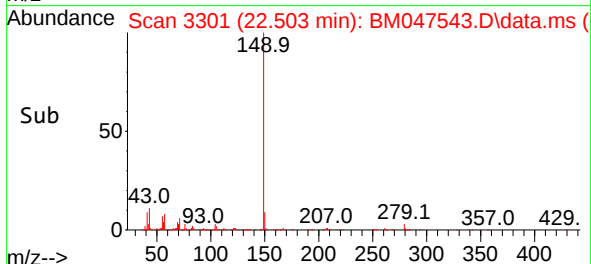
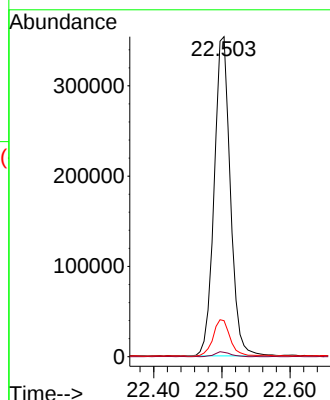
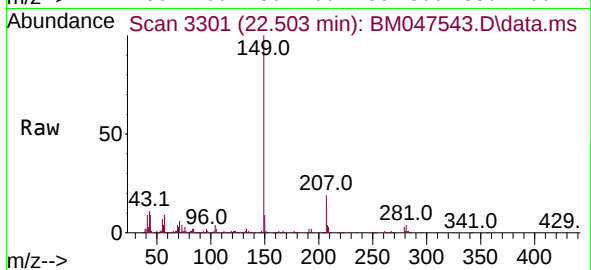
167 1.5 1.1 1.7

43 12.2 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3634

Delta R.T. -0.006 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

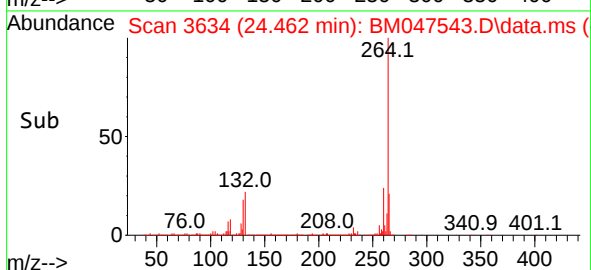
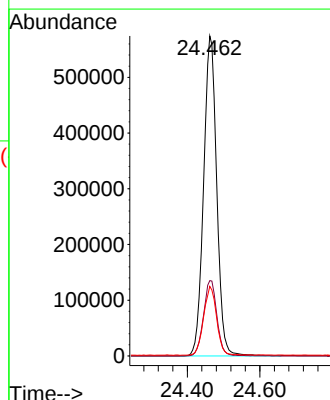
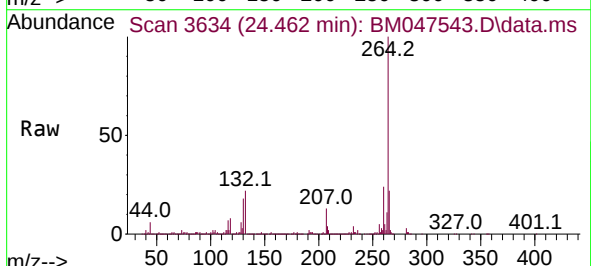
Tgt Ion:264 Resp: 1442147

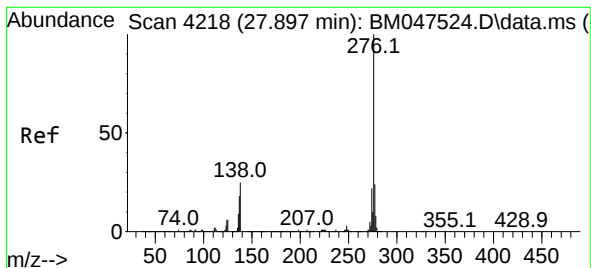
Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 7.261 ng

RT: 27.873 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

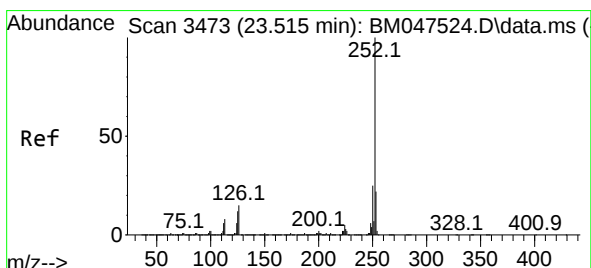
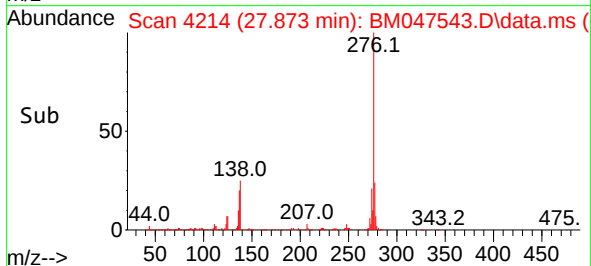
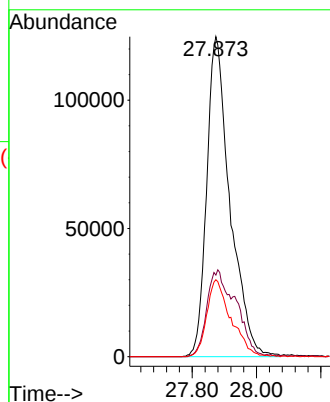
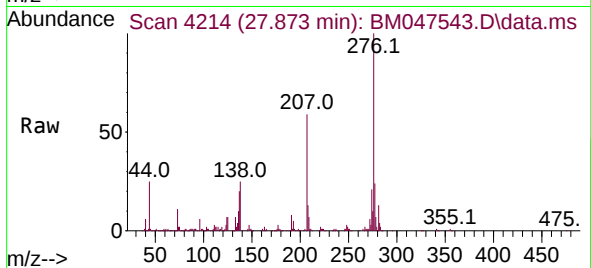
LOQ-SOIL-02-QT2-2024

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 276   | Resp: | 62663 |
| Ion Ratio | Lower | Upper |       |
| 276       | 100   |       |       |
| 138       | 33.7  | 25.0  | 37.6  |
| 277       | 25.0  | 20.1  | 30.1  |

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#88

Benzo(b)fluoranthene

Concen: 6.145 ng

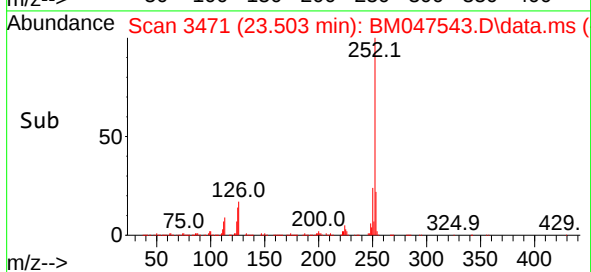
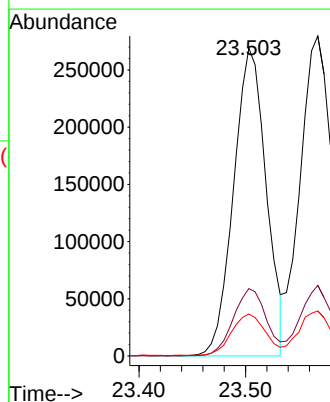
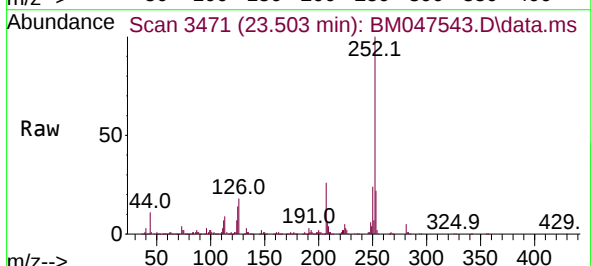
RT: 23.503 min Scan# 3471

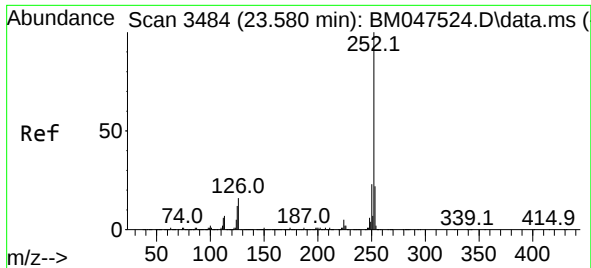
Delta R.T. -0.012 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

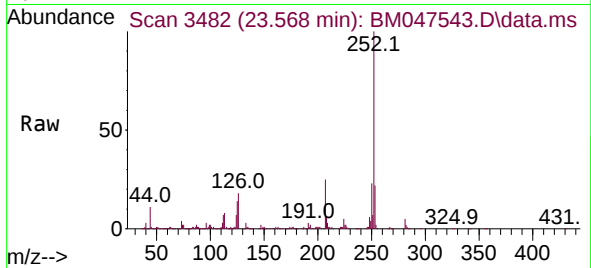
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 252   | Resp: | 573375 |
| Ion Ratio | Lower | Upper |        |
| 252       | 100   |       |        |
| 253       | 21.9  | 17.8  | 26.8   |
| 125       | 13.6  | 9.5   | 14.3   |





#89  
Benzo(k)fluoranthene  
Concen: 6.573 ng  
RT: 23.568 min Scan# 34  
Delta R.T. -0.012 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

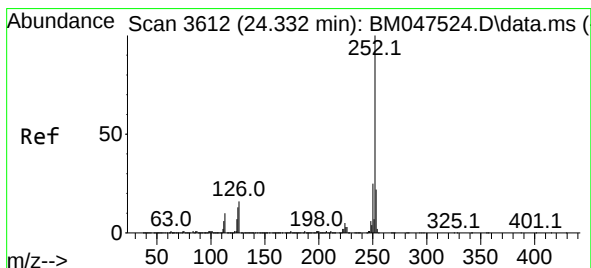
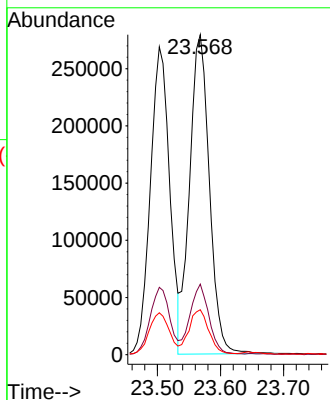
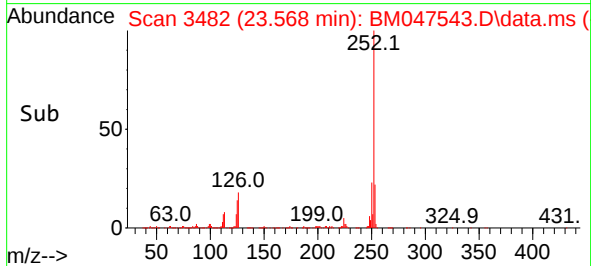
Instrument :  
BNA\_M  
ClientSampleId :  
LOQ-SOIL-02-QT2-2024



Tgt Ion:252 Resp: 60785  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.8 26.6  
125 14.1 9.5 14.3

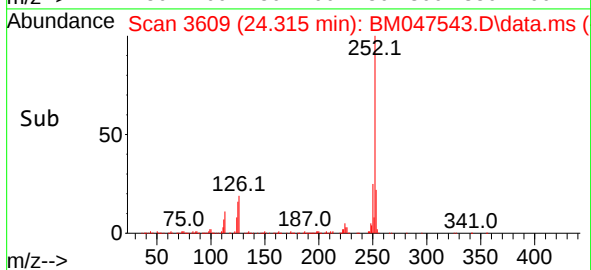
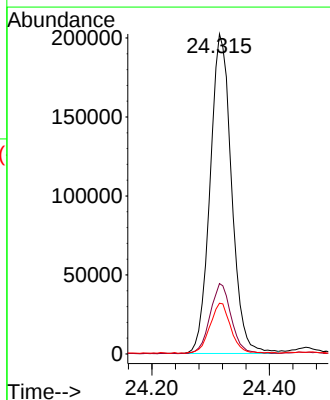
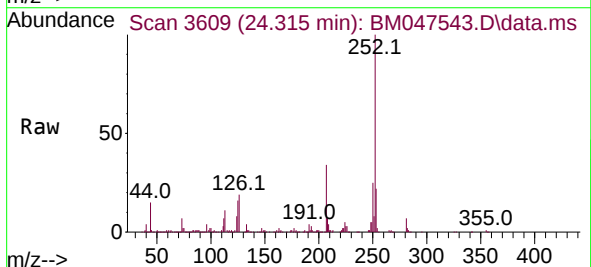
Manual Integrations  
APPROVED

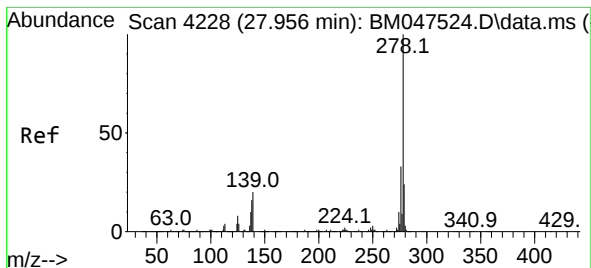
Reviewed By :Jagrut Upadhyay 09/18/2024  
Supervised By :mohammad ahmed 09/19/2024



#90  
Benzo(a)pyrene  
Concen: 6.710 ng  
RT: 24.315 min Scan# 3609  
Delta R.T. -0.018 min  
Lab File: BM047543.D  
Acq: 17 Sep 2024 14:14

Tgt Ion:252 Resp: 513140  
Ion Ratio Lower Upper  
252 100  
253 22.0 17.7 26.5  
125 15.9 10.2 15.4#





#91

Dibenzo(a,h)anthracene

Concen: 6.984 ng

RT: 27.932 min Scan# 41

Delta R.T. -0.024 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Instrument :

BNA\_M

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:278 Resp: 507090

Ion Ratio Lower Upper

278 100

139 20.8 15.9 23.9

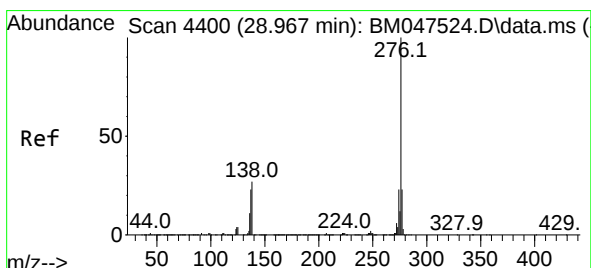
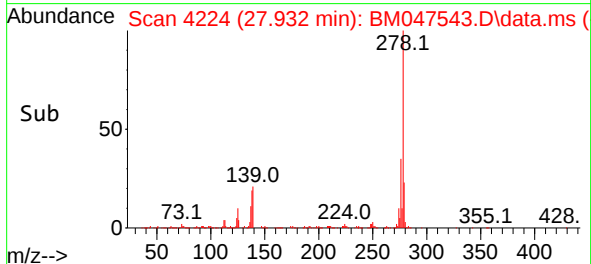
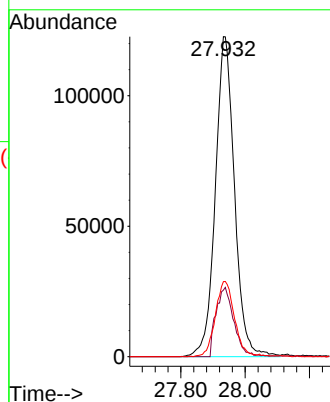
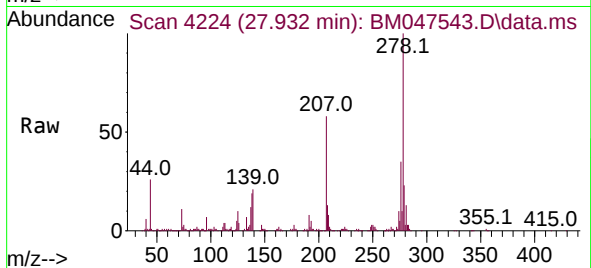
279 23.5 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 09/18/2024

Supervised By :mohammad ahmed 09/19/2024



#92

Benzo(g,h,i)perylene

Concen: 6.869 ng

RT: 28.932 min Scan# 4394

Delta R.T. -0.035 min

Lab File: BM047543.D

Acq: 17 Sep 2024 14:14

Tgt Ion:276 Resp: 487228

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 28.1 21.5 32.3

